



**AGRICOLA WIND**  
**SHADOW FLICKER IMPACT ASSESSMENT**  
**OFFICE OF RENEWABLE ENERGY SITING AND ELECTRIC TRANSMISSION**

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October 29, 2024

**REDACTED VERSION**

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## 1.0 EXECUTIVE SUMMARY

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Agricola Wind LLC (the Applicant), is proposing to construct a wind energy generation facility, including up to twenty-four (24) wind turbines and corresponding ancillary project infrastructure, within the Towns of Scipio and Venice in Cayuga County, New York (the Project). The proposed Project has an expected generating capacity of up to 99 megawatts (MW). Regardless of which wind turbine model is ultimately selected, no more than 24 wind turbines will be constructed. Therefore, for the purposes of this assessment, 24 wind turbines were included.

This report provides an assessment of the potential shadow flicker that could be experienced at sensitive receptors located in the vicinity of the Project. This assessment tracks the requirements of Shadow Flicker for Wind Facilities regulations from the New York State Office of Renewable Energy Siting and Electric Transmission (ORES) in accordance with Title 16 New York Codes Rules and Regulations (16 NYCRR Part 1100) Chapter XI §1100-2.9(d)(6) which were issued final July 17, 2024. The regulations limit the amount of potential shadow flicker from a Project to thirty (30) hours per year at any non-participating residence.<sup>1</sup>

For the up to 24 wind turbines associated with the Agricola Wind Project, three different wind turbine generators are being considered. These include the Vestas V150-4.5 wind turbine, the Vestas V162-6.8 wind turbine, or the Nordex N149-4.X TS 108 wind turbine. All three wind turbine generators were included in this shadow flicker assessment. Shadow flicker was modeled for all potentially sensitive receptors (as defined in 16 NYCRR §1100-2.8(h), sensitive receptors include any known residential structures [both participating and non-participating], outdoor public facilities and public areas, hospitals, schools, libraries, parks, camps, summer camps, places of worship, cemeteries, historic resources listed or eligible for listing on the State or National Register of Historic Places, any public lands, cabins and hunting camps identified by property tax codes, and any other seasonal residences with septic systems/running water) located within ten times the rotor diameter of a wind turbine (dependent on each individual generator), and isolines were generated from a grid encompassing the area surrounding the wind turbines. For the purpose of this modeling effort, receptors were treated as “greenhouses” (i.e., it was assumed that sunlight could enter the structure from any angle), which is inherently conservative, and all the receptors were modeled without obstacles such as vegetation or structures that could block the shadow flicker effect (“bare earth”).

<sup>1</sup> For the purposes of this report, it is assumed that all residences located outside the Facility Site are “non-participating residences.” The Applicant is actively pursuing and/or has secured Good Neighbor Agreements with landowners located outside the Facility Site that may be impacted by shadow flicker (see Appendix 4-A). However, as the real estate process for any utility-scale wind energy generating facility is dynamic and protracted, the assumption above is being applied in this report to support the conservative approach to curtailment outlined in Section 6.0.

For each wind turbine generator, the majority of potentially sensitive receptors are expected to receive less than 30 hours of shadow flicker per year. However, shadow flicker was modeled to exceed 30 hours per year for each modeling scenario at some non-participating residences. Under the worst-case scenario (i.e., modeling the Vestas V162-6.8 turbine), thirteen (13) non-participating residences were modeled to receive greater than 30 hours per year of shadow flicker, based on the proposed Project layout. It is important to note that these results do not reflect expected on-the-ground conditions—many of the receptors modeled to receive greater than 30 hours of shadow flicker per year are likely to have limited exposure to shadow flicker as a result of vegetation and structures obstructing visibility of the turbines.

To address locations that are currently modeled to exceed 30 hours of shadow flicker per year, the Applicant intends to conduct further shadow flicker assessments prior to the start of construction. These assessments will be based on the final Project layout and turbine model selected and will incorporate site-specific information on the visibility individual non-participating residential receptors will have of those turbines with the potential to cause shadow flicker. For those non-participating residential receptors that continue to exceed the 30-hour annual threshold, the Applicant intends to secure Good Neighbor Agreements (GNAs) or use shadow flicker detection and prevention technology to curtail turbines contributing to exceedances and meet the 30-hour annual threshold. As a result, based on detailed analyses presented in this report, the operation of the Agricola Wind Project will comply with 16 NYCRR §1100-2.9(d)(6) as it relates to shadow flicker at non-participating residences.

## 2.0 INTRODUCTION

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Agricola Wind LLC is proposing to construct a wind generation facility of up to 99 MW, including up to twenty-four (24) wind turbines within the Towns of Scipio and Venice in Cayuga County, New York. The actual number and location of wind turbines constructed will depend on the capacity of the wind turbine model selected. Twelve wind turbines are currently proposed in the Town of Scipio and twelve wind turbines in the Town of Venice. Associated support facilities will include an underground medium voltage collection system, gravel access roads, two permanent meteorological (MET) towers, an aircraft detection lighting system (ADLS) tower, temporary construction laydown yards, a temporary concrete batch plant, an operations and maintenance (O&M) facility, a collection substation, a point of interconnection (POI) switchyard, and a short 115-kilovolt (kV) transmission line that will connect the Facility to the high voltage electric grid.

This shadow flicker analysis was conducted in accordance with the ORES Article VIII regulations. This report, which summarizes the results of the study, includes the following elements:

- Wind turbine shadow flicker description
- Discussion of shadow flicker limits and regulations for the Project
- Shadow flicker modeling procedures
- Shadow flicker modeling results
- Shadow flicker evaluation
- Detailed appendices of modeling data and results tables

### 3.0 WIND TURBINE SHADOW FLICKER

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With respect to the Project's wind turbines, shadow flicker can be defined as an intermittent change in the intensity of light in a given area resulting from the operation of a wind turbine due to its interaction with the sun. While indoors, an observer may experience repeated changes in the brightness of the room as shadows cast from the wind turbine blades briefly pass by windows as the blades rotate. For this to occur, the wind turbine must be operating, the sun must be shining, and the window must be within the shadow region of the wind turbine. Otherwise, there is no shadow flicker. A stationary wind turbine only generates a stationary shadow similar to any other structure.

Based on the current design and operation of typical modern wind turbines, shadow flicker impacts are generally an annoyance and not a health effects concern. Sometimes the public is concerned about the possibility of epileptic seizures being caused by shadow flicker (i.e., photosensitive epilepsy). According to the Epilepsy Foundation, "[g]enerally, flashing lights most likely to trigger seizures are between the frequency of 5 to 30 flashes per second (Hertz)."<sup>2</sup> Of the proposed wind turbines under consideration for this Project, the maximum rotational speed of 12.6 revolutions per minute (rpm) corresponds to a frequency of 0.63 hertz (Hz) (above this amount, the turbine shuts down). This frequency is well below the frequency identified by the Epilepsy Foundation as a possible epilepsy trigger; therefore, the triggering of epileptic seizures is not a concern with this Project.

<sup>2</sup> Epilepsy Foundation, <https://www.epilepsy.com/what-is-epilepsy/seizure-triggers/photosensitivity>. Accessed in January 2024.

## 4.0 REGULATIONS – SHADOW FLICKER

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### 4.1 New York State

Part 1100-2.9(d)(6) of the Article VIII regulations establishes the following shadow flicker limits:

- (6) **Shadow Flicker for Wind Facilities.** Shadow flicker shall be limited to thirty (30) hours per year at any non-participating residence, subject to verification using shadow prediction and operational controls at appropriate wind turbines. The Visual Impacts Minimization and Mitigation Plan shall include:
- (i) Analysis of a full year of hourly potential and realistic and receptor-specific predicted flicker based on sunshine probabilities, operational projections, and facility design;
  - (ii) A protocol for monitoring operational conditions and potential flicker exposure at the wind turbine locations identified in the updated analysis, based on meteorological conditions;
  - (iii) Details of the shadow prediction and prevention technology that will be adopted for real-time meteorological monitoring and operational control of turbines;
  - (iv) Schedule and protocol for temporary turbine shutdowns during periods that produce flicker to meet required shadow flicker; and
  - (v) Shielding or blocking measures (such as landscape plantings and window treatments) may also be implemented at receptor locations that exceed the thirty (30)-hour annual limit, with approval by the residential receptor.

### 4.2 Local Laws

Agricola Wind is located within the Towns of Scipio and Venice in Cayuga County, New York. The Town of Scipio addresses wind energy within Article XI Wind Energy Systems of the Town's Zoning Ordinance. Article XI provides the regulations for the construction and operation of Wind Energy Facilities in the Town of Scipio. Within the Article, shadow flicker is defined, but there is no quantitative shadow flicker limit regulated by the Town of Scipio.

The Town of Venice addresses wind energy through their 2024 Wind Energy Facilities Law. The Wind Energy Facilities Law states their shadow flicker standards in Section 8-10.

10. **Shadow Flicker/Glint.** The Wind Energy Conversion System shall be designed such that shadow flicker and /or glint from an individual Wind Energy Conversion Unit will not fall on any portion of a non-participating residential or commercial structure in excess of thirty (30) hours per year. If a non-participating residence or commercial structure is being impacted by multiple Wind Energy Conversion Units, the cumulative effect of said impact shall not exceed thirty (30) hours per year, subject to verification using shadow prediction and operational controls at appropriate wind turbines. If shadow flicker and /

or glint exceeds these conditions, the applicant/owner/operator of the project must submit within 90 days, a mutually agreeable plan to remedy the issue to the affected property owner and Town Board.

## 5.0 MODELING ANALYSIS – PREDICTED SHADOW FLICKER

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### 5.1 Modeling Methodology

Shadow flicker was modeled using a software package, WindPRO version 3.6.366. WindPRO is a software suite developed by EMD International A/S and is used for assessing potential environmental impacts from wind turbines. Using the Shadow module within WindPRO, worst-case shadow flicker in the area surrounding the wind turbines was calculated based on data inputs including:

- Location of the wind turbines (latitude and longitude coordinates),
- Location of discrete modeling points (i.e., latitude and longitude coordinates of receptors),
- Wind turbine dimensions,
- Flicker calculation limits, and
- Terrain data.

For purposes of this study, the discrete modeling points (i.e., receptors), both participating and non-participating, include residences (year-round residences and seasonal residences), unknown structures, commercial structures, other structures (other structures and uninhabitable residences), and public structures (public structures and institutional structures).

Based on these data, the model was able to incorporate the appropriate sun angle and maximum daily sunlight for this latitude into the calculations. The resulting worst-case calculations assume that the sun is always shining during daylight hours and that the wind turbine is always operating. The WindPRO Shadow module can be further refined by incorporating sunshine probabilities and wind turbine operational estimates by wind direction over the course of a year. The values for this further refinement, also known as the “expected” shadow flicker, are presented in this section. These apply to the expected hours per year of shadow flicker.

A twenty-four (24) wind turbine project layout was provided by the Applicant on August 8, 2024. All wind turbines were input into the model for the three wind turbine generators being considered by the Applicant:

- Vestas V150-4.5,
- Vestas V162-6.8, or
- Nordex N149-4.X TS 108.

The proposed locations of the Project’s wind turbines are shown in Figure 5-1 and listed in tabular format in Table A-1 as part of Appendix A.

Each wind turbine had key specifications included in the analysis based on the technical data provided by the Applicant. The Vestas V150-4.5 wind turbines have a hub height (HH) of 120 meters and a rotor diameter of 150 meters. The cut-in and cut-out wind speeds for the V150-4.5

wind turbines are 3.0 m/s and 24.5 m/s respectively. The Vestas V162-6.8 wind turbines have a hub height of 119 meters and a rotor diameter of 162 meters. The cut-in and cut-out wind speeds for the V162-6.8 are 3.0 m/s and 25.0 m/s respectively. The Nordex N149-4.X TS 108 wind turbines have a hub height of 108 meters and a rotor diameter of 149 meters. The cut-in and cut-out wind speeds for the N149-4.X TS 108 turbines are 3.0 m/s and 26.0 m/s respectively.

A modeling receptor dataset was developed and provided by Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR). The 1,012 receptors from this dataset were input into the WindPRO model. This receptor dataset identified and classified structures or places that may meet the sensitive receptor definition outlined in 16 NYCRR § 1100-2.8(h)(1) that are located within a 2-mile radius of any proposed wind turbine or substation. Of the 1,012 total receptors, 910 are non-participating residences and 12 are participating residences. Of the remaining 90 receptors, 42 are non-participating commercial structures in the Town of Venice, and 11 are participating commercial structures in the Town of Venice. The remaining 37 receptors are categorized as other structures or public structures (public structures and institutional structures). As outlined in the Article VIII regulations and the Town of Venice Wind Energy Facilities Law, residences and commercial buildings in the Town of Venice were evaluated for shadow flicker impacts.<sup>3</sup>

Shadow flicker was assessed out to a distance of 10 times the rotor diameter of the turbine model being evaluated (the Study Area).<sup>4</sup> For this Project, 10 times the rotor diameter corresponds to a distance of 1,500 meters (0.93 miles) for the V150-4.5 wind turbine, a distance of 1,620 meters (1.01 miles) for the V162-6.8 wind turbine, and a distance of 1,490 meters (0.93 miles) for the N149 4.X TS 108 wind turbine. Receptors located outside the Study Area were assigned a shadow flicker value of zero in the output tables.

<sup>3</sup> The Applicant will update the receptor dataset, and studies that rely on this dataset, as additional information is made available on the status of receptors located within the Study Area. For example, if a permanent residence is determined to be uninhabitable, seasonal, or otherwise not a permanent residence, the shadow flicker and sound results will be updated accordingly.

<sup>4</sup> To-date, there are no federal, state, or local regulations or guidelines regarding the maximum radial distance from a wind turbine to which shadow flicker should be analyzed applicable to this Project. In the United States, shadow flicker is commonly evaluated out to a distance of ten times the rotor diameter. According to the Massachusetts Model Bylaw for wind energy facilities, shadow flicker impacts are minimal at and beyond a distance of ten rotor diameters (Massachusetts Department of Energy Resources, "Model As-of-Right Zoning Ordinance or Bylaw: Allowing Use of Wind Energy Facilities" 2009). Defining the shadow flicker calculation area has also been addressed in Europe where the ten times rotor diameter approach has been accepted in multiple European countries. In addition to modeling discrete points, which occurred for all three wind turbine generators and associated hub height combinations being considered, shadow flicker was calculated at grid points in the area surrounding the modeled wind turbines to generate flicker isolines. A 20-meter spacing was used for this grid.

Receptors were modeled as discrete points and are shown in Figure 5-1. Each modeling point was assumed to have a window facing all directions (“greenhouse” mode) which yields conservative results. In addition, a dataset containing the latest parcel participation status was provided by the Applicant on August 8, 2024, which allowed for participation status to be assigned to each modeling receptor. Only parcels in the Project’s Facility Site were considered “participating.” All other parcels and corresponding modeling receptors were considered “non-participating.” Participating parcels are shown on Figure 5-1.

The terrain height contour elevations for the modeling domain were generated from elevation information derived from the National Elevation Dataset (NED) developed by the U.S. Geological Survey from their 10-meter resolution digital elevation model (DEM) data. Obstacles such as buildings and vegetation were excluded from the analysis though, in practical terms, such obstacles may significantly mitigate or eliminate the flicker effect depending on their size, type, and location. Adopting the “bare earth” scenario ensures the model results are conservative. In addition, shadow flicker durations were calculated only when the angle of the sun was at least 3° above the horizon.

Monthly sunshine probability values were included for each month from January to December. These numbers were obtained from the most recent publicly available historical dataset for Syracuse, New York, from the National Oceanic and Atmospheric Administration’s (NOAA) National Centers for Environmental Information (NCEI).<sup>5</sup> Table 5-1 shows the percentage of sunshine hours by month used in the shadow flicker modeling. These values are the percentages that the sun is expected to be shining during daylight hours.

The number of hours the wind turbines are expected to operate for the 16 cardinal wind directions was also considered in the model. Ten-minute wind speed and direction were provided by the Applicant for one year of on-site meteorological data from the year 2022 at a height of 120 meters, representing the tallest of the proposed wind turbine hub heights. Epsilon processed the data into a joint frequency distribution of wind speed and wind direction, which allowed for the determination of operational hours per wind direction sector. These hours per wind direction sector are used by WindPRO to estimate the “wind direction” and “operation time” reduction factors. Based on this dataset, the wind turbines would be expected to operate at some level approximately <BEGIN CONFIDENTIAL INFORMATION> [REDACTED] <END CONFIDENTIAL INFORMATION> due to cut-in and cut-out specifications of the proposed wind turbines. Table 5-2 shows the distribution of operational hours for the 16 wind directions. The reduction factors in Tables 5-1 and 5-2 are only applied to the expected hours per year of shadow flicker calculations. The worst-case shadow flicker hours per year and the maximum shadow flicker minutes per day are both calculated as if the sun is always shining, and the wind is always blowing above cut-in speed and below cut-out speed. These are conservative estimates.

<sup>5</sup> NCEI (formerly NCDC), <https://www1.ncdc.noaa.gov/pub/data/ccd-data/pctpos15.dat>. Accessed in June 2024.

**Table 5-1 Monthly Percent of Possible Sunshine**

| Month     | Possible Sunshine |
|-----------|-------------------|
| January   | 34%               |
| February  | 39%               |
| March     | 46%               |
| April     | 53%               |
| May       | 53%               |
| June      | 54%               |
| July      | 60%               |
| August    | 57%               |
| September | 51%               |
| October   | 40%               |
| November  | 25%               |
| December  | 23%               |

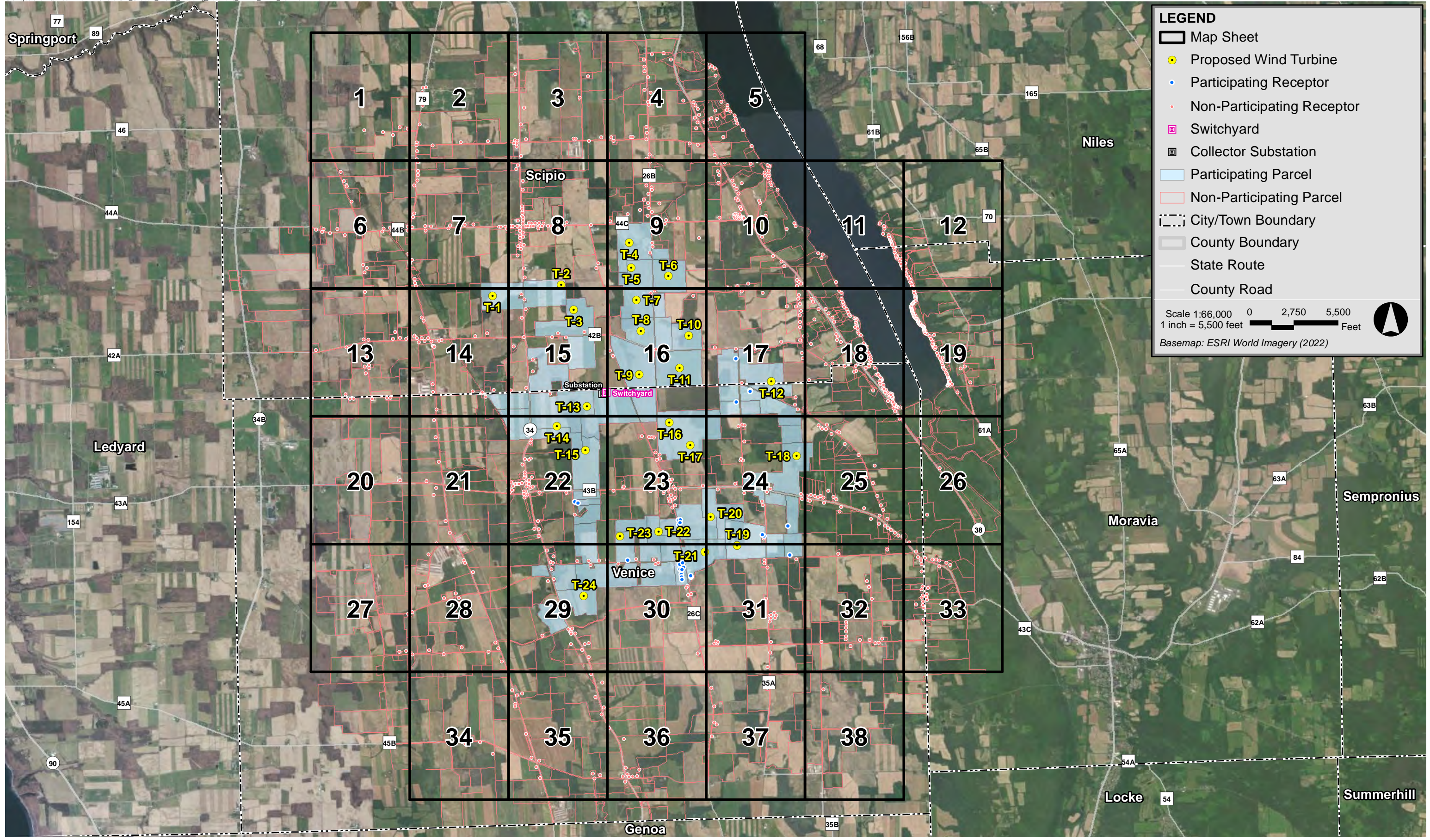
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**Table 5-2** [Redacted]

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Agricola Wind Cayuga County, NY



Figure 5-1, Index  
Shadow Flicker Modeling Locations

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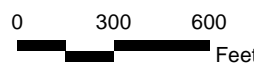













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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr> <td style="background-color: red; color: white;">1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> </tr> <tr> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> </tr> <tr> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td>32</td> <td>33</td> </tr> <tr> <td>34</td> <td>35</td> <td>36</td> <td>37</td> <td>38</td> <td></td> <td></td> </tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
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| 34   | 35  | 36   | 37   | 38  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <ul style="list-style-type: none"> <li> Proposed Wind Turbine</li> <li> Participating Receptor</li> <li> Non-Participating Receptor</li> <li> Switchyard</li> <li> Collector Substation</li> </ul> | <ul style="list-style-type: none"> <li> Participating Parcel</li> <li> Non-Participating Parcel</li> <li> City/Town Boundary</li> <li> County Boundary</li> </ul> | <ul style="list-style-type: none"> <li> State Route</li> <li> County Road</li> </ul> |  |   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br>0 300 600 Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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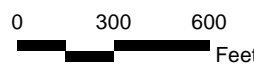













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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

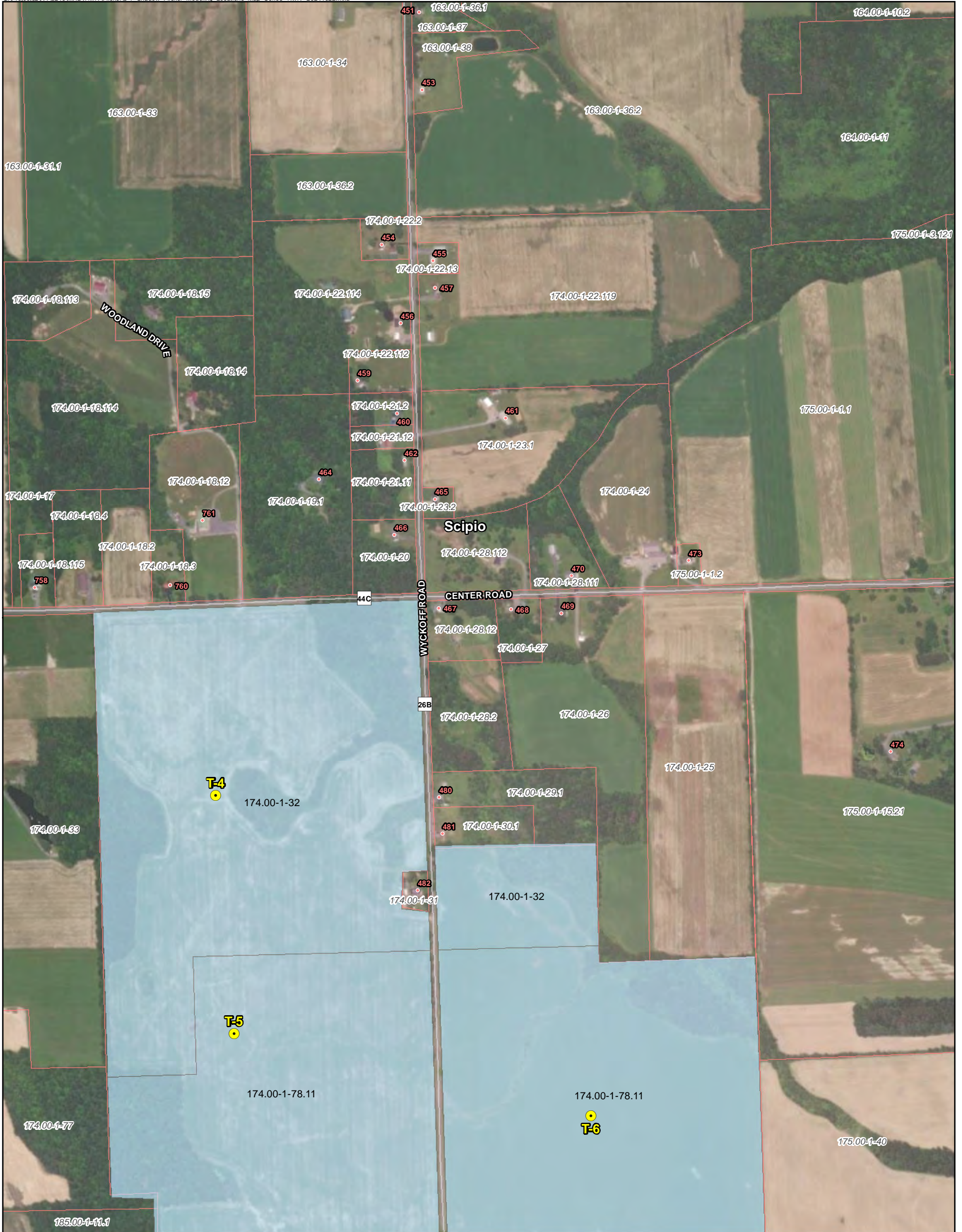
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| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Switchyard</li> <li><span style="background-color: gray; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Collector Substation</li> <li><span style="background-color: lightblue; border: 1px solid blue; width: 15px; height: 10px; display: inline-block;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; width: 15px; height: 10px; display: inline-block;"></span> Non-Participating Parcel</li> <li><span style="border-bottom: 1px dashed gray; width: 15px; display: inline-block;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; width: 15px; height: 10px; display: inline-block;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; width: 15px; display: inline-block;"></span> State Route</li> <li><span style="border-bottom: 1px solid gray; width: 15px; display: inline-block;"></span> County Road</li> </ul> |    |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td style="background-color: red;">8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3  | 4  | 5   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28 | 29 | 30   | 31  | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36 | 37   | 38  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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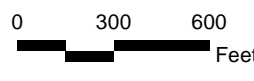











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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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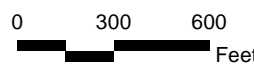













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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <ul style="list-style-type: none"> <li> Proposed Wind Turbine</li> <li> Participating Receptor</li> <li> Non-Participating Receptor</li> <li> Switchyard</li> <li> Collector Substation</li> </ul> | <ul style="list-style-type: none"> <li> Participating Parcel</li> <li> Non-Participating Parcel</li> <li> City/Town Boundary</li> <li> County Boundary</li> </ul> | <ul style="list-style-type: none"> <li> State Route</li> <li> County Road</li> </ul> |  |  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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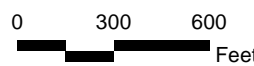


**LEGEND**

- Proposed Wind Turbine
- Participating Receptor
- Non-Participating Receptor
- Switchyard
- Collector Substation
- Participating Parcel
- Non-Participating Parcel
- - - City/Town Boundary
- County Boundary
- State Route
- County Road



Scale 1:7,200  
1 inch = 600 feet




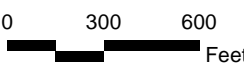











0 300 600 Feet

|    |    |    |    |    |    |    |
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| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 34 | 35 | 36 | 37 | 38 |    |    |

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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|                            |                          |                 |
|----------------------------|--------------------------|-----------------|
| <b>LEGEND</b>              |                          |                 |
| Proposed Wind Turbine      | Participating Parcel     | State Route     |
| Participating Receptor     | Non-Participating Parcel | County Road     |
| Non-Participating Receptor | City/Town Boundary       | County Boundary |
| Switchyard                 |                          |                 |
| Collector Substation       |                          |                 |

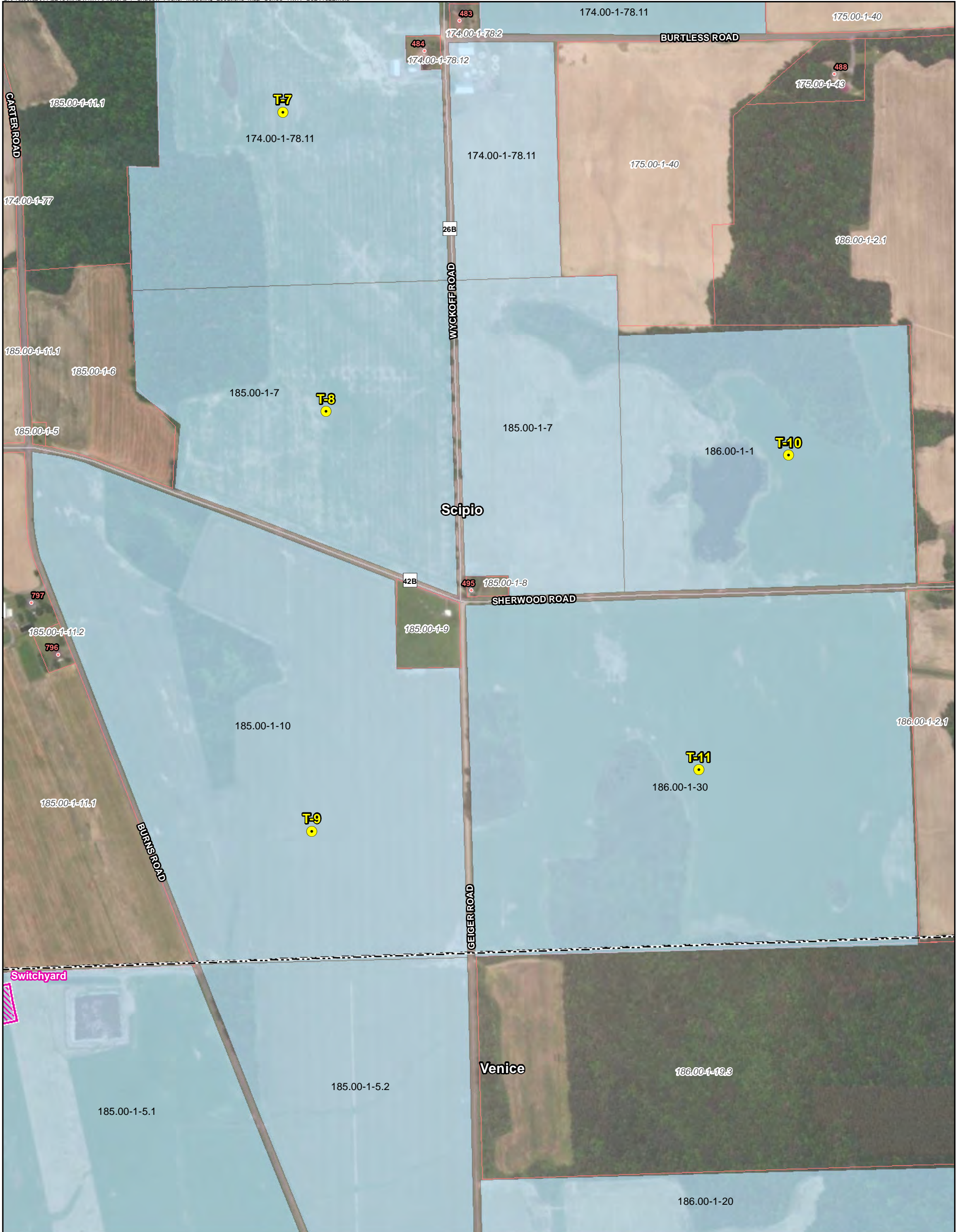
Scale 1:7,200  
1 inch = 600 feet

0 300 600 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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| 1  | 2  | 3  | 4  | 5  |    |    |
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| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 |
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| 13   | 14  | 15   | 16  | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23  | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30  | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37  | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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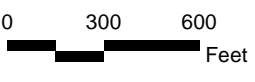













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| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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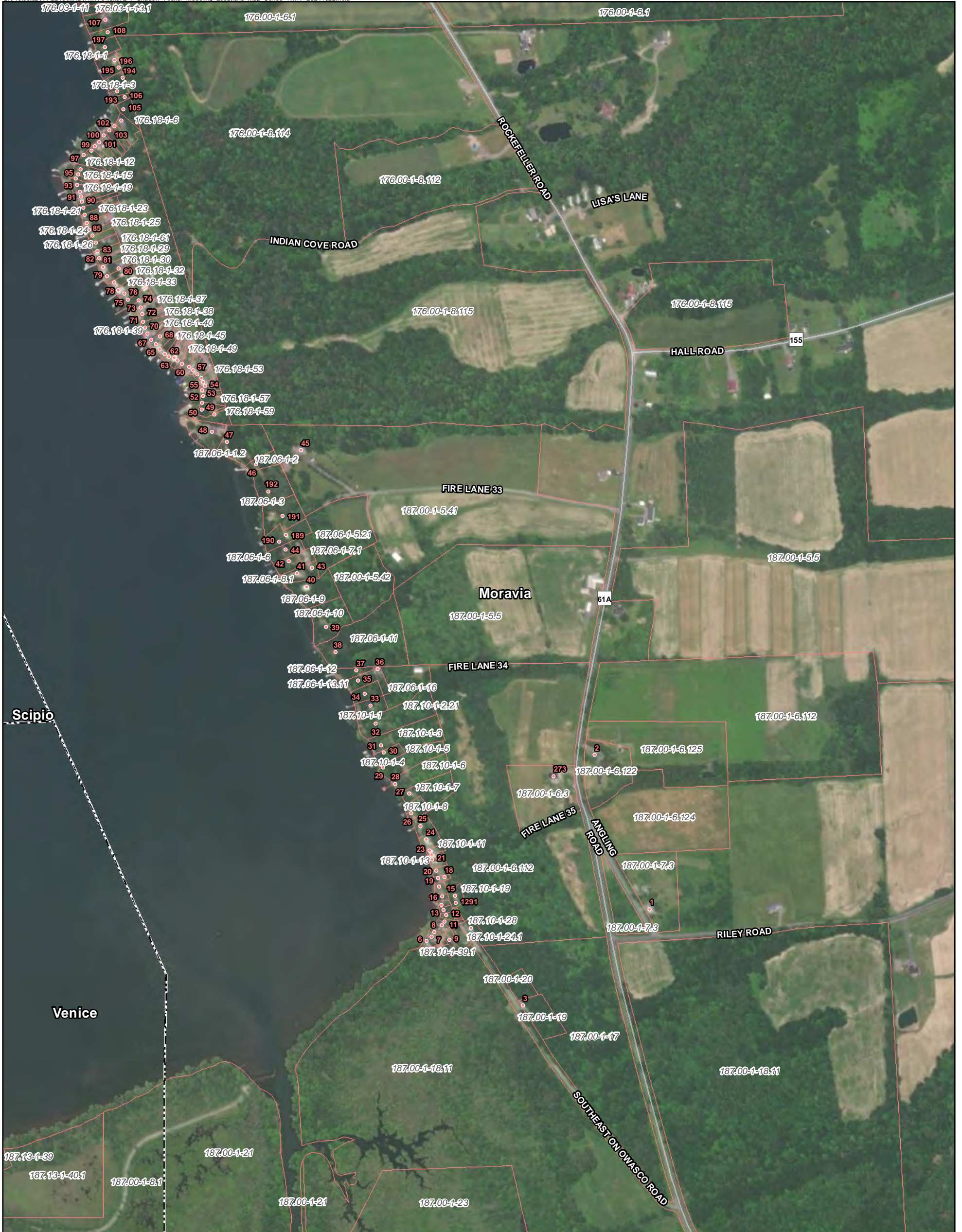
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|--|---|--|--|--|----|----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
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| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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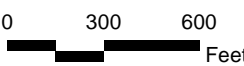













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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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|                            |                          |             |
|----------------------------|--------------------------|-------------|
| <b>LEGEND</b>              |                          |             |
| Proposed Wind Turbine      | Participating Parcel     | State Route |
| Participating Receptor     | Non-Participating Parcel | County Road |
| Non-Participating Receptor | City/Town Boundary       |             |
| Switchyard                 | County Boundary          |             |
| Collector Substation       |                          |             |

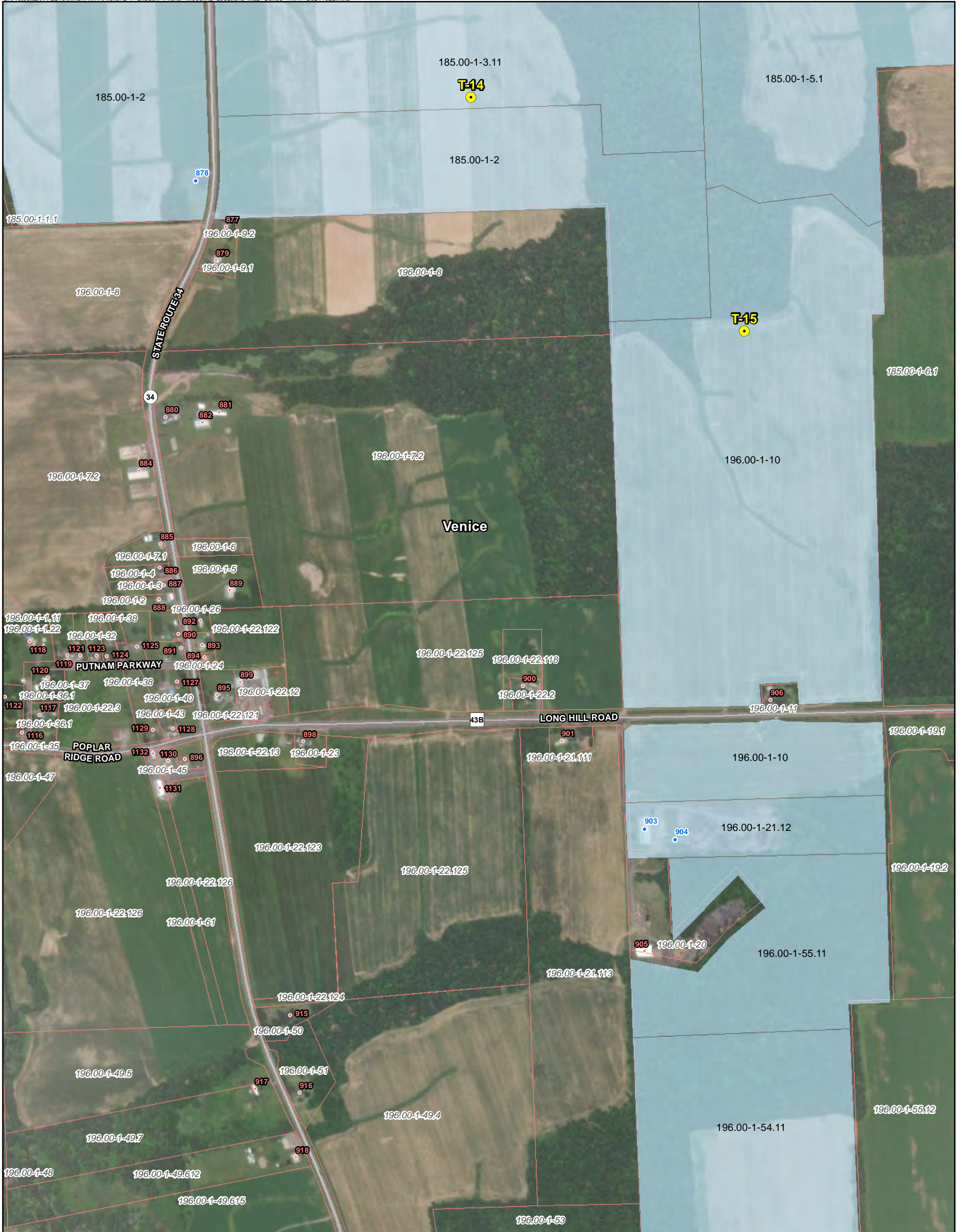
Scale 1:7,200  
1 inch = 600 feet














0 300 600 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  |    |    |
| 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 34 | 35 | 36 | 37 | 38 |    |    |

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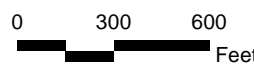













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|--|---|--|--|--|----|----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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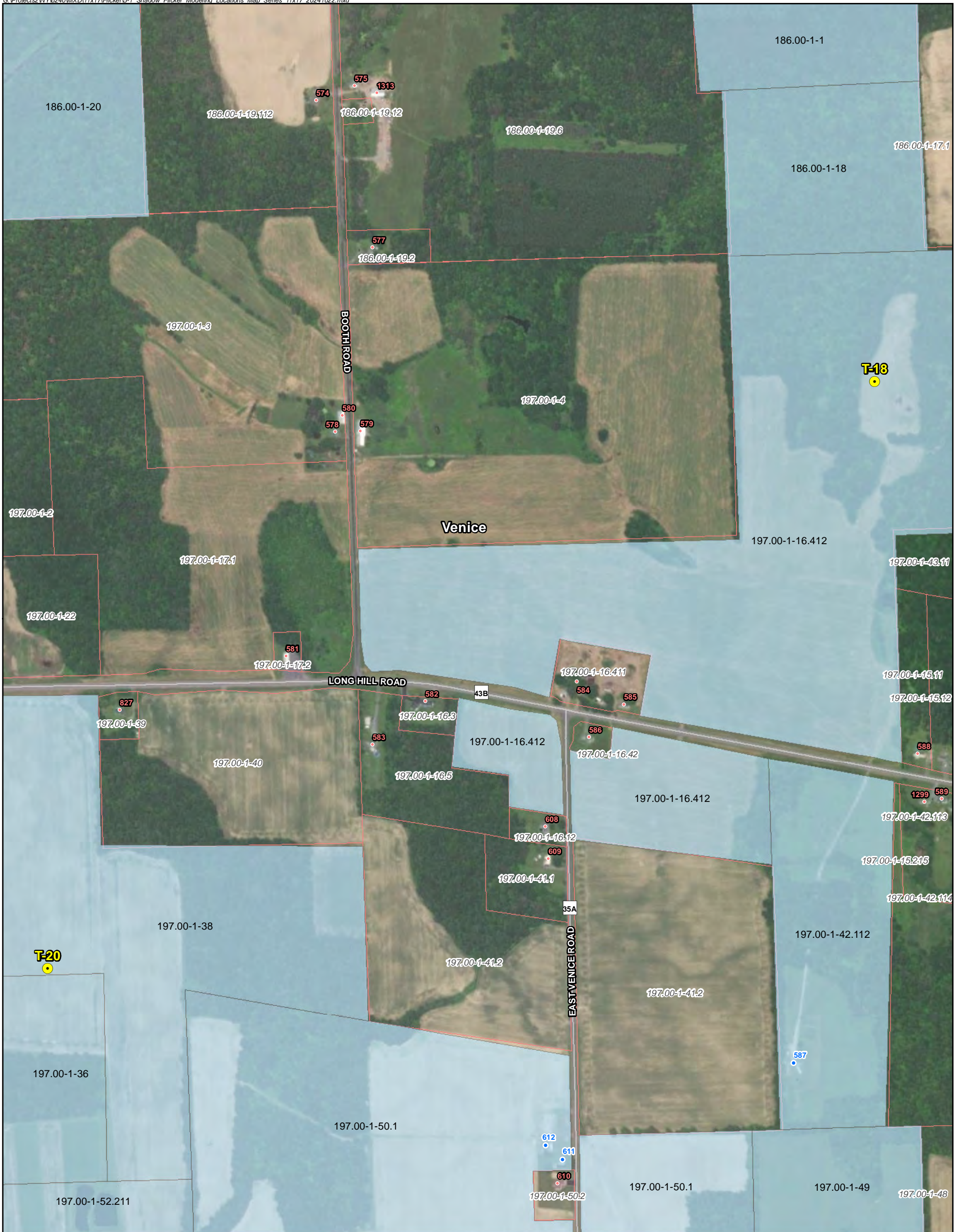
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|--|---|--|--|--|----|----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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|                            |                          |                 |
|----------------------------|--------------------------|-----------------|
| <b>LEGEND</b>              |                          |                 |
| Proposed Wind Turbine      | Participating Parcel     | State Route     |
| Participating Receptor     | Non-Participating Parcel | County Road     |
| Non-Participating Receptor | City/Town Boundary       | County Boundary |
| Switchyard                 |                          |                 |
| Collector Substation       |                          |                 |

Scale 1:7,200  
1 inch = 600 feet














0 300 600 Feet

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|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  |    |    |
| 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
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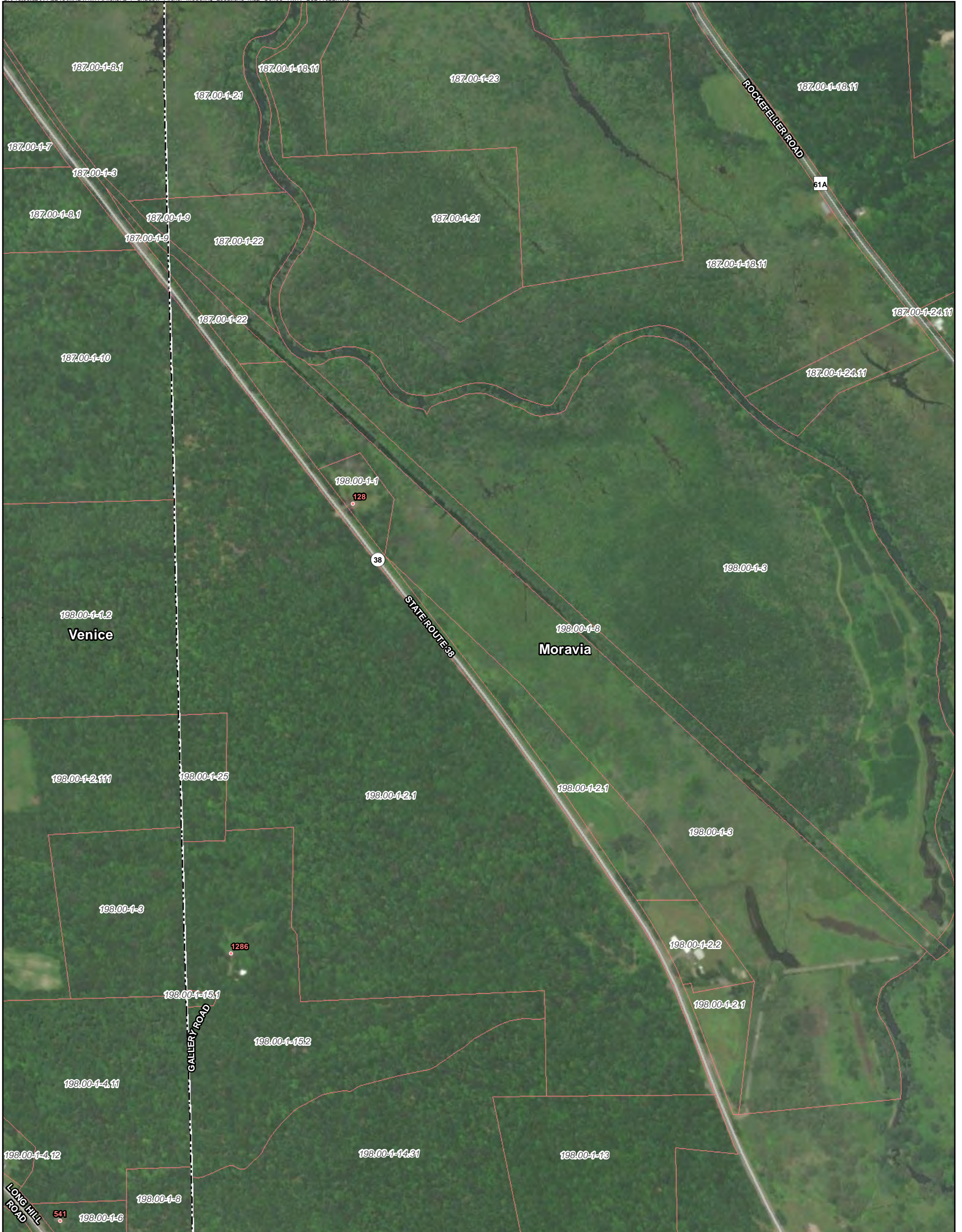
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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td style="background-color: red;">25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   | 3  |  |   | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10  | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17  | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28  | 29   | 30   | 31  | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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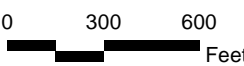











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| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Switchyard</li> <li><span style="background-color: gray; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Collector Substation</li> <li><span style="background-color: lightblue; border: 1px solid blue; width: 15px; height: 10px; display: inline-block;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; width: 15px; height: 10px; display: inline-block;"></span> Non-Participating Parcel</li> <li><span style="border-top: 1px dashed black; width: 15px; height: 10px; display: inline-block;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; width: 15px; height: 10px; display: inline-block;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; width: 15px; height: 10px; display: inline-block;"></span> State Route</li> <li><span style="border-left: 1px solid gray; width: 15px; height: 10px; display: inline-block;"></span> County Road</li> </ul> |    |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td style="background-color: red;">28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3  | 4  | 5   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8  | 9  | 10  | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15 | 16   | 17  | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28 | 29 | 30   | 31  | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36 | 37   | 38  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |


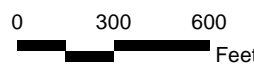











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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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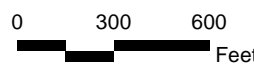













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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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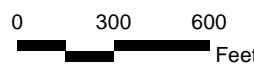













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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 13   | 14  | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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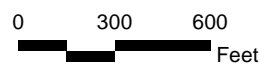
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| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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**LEGEND**

- Proposed Wind Turbine
- Participating Receptor
- Non-Participating Receptor
- Switchyard
- Collector Substation
- Participating Parcel
- Non-Participating Parcel
- City/Town Boundary
- County Boundary
- State Route
- County Road


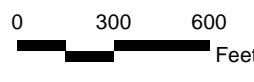











  
 Scale 1:7,200  
 1 inch = 600 feet  
  
 Feet

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
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| 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 34 | 35 | 36 | 37 | 38 |    |    |

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





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| 1  | 2   | 3  |  |  | 4  | 5  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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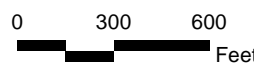













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| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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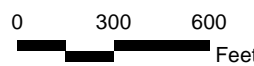













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| <b>LEGEND</b>  |   |  | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
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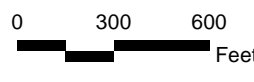





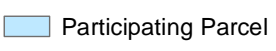
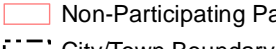
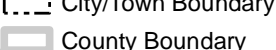
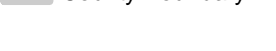

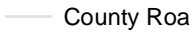


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| 20   | 21  | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28  | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35  | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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## 5.2 Results

### 5.2.1 *Shadow Flicker Modeling Results – V150-4.5, 120m HH*

Table B-1 in Appendix B presents the modeling results of expected shadow flicker for the Project layout under conditions specified in Section 5.1 of this report for the V150-4.5 wind turbine with a hub height at 120 meters. Table B-1 includes sixteen tables, B-1a through B-1p, which presents expected hours per year of shadow flicker at the 1,012 receptors included in the analysis sorted by receptor ID and expected flicker and broken out by receptor category and participation.

The predicted expected annual shadow flicker at non-participating residences ranged from 0 hours, 0 minutes per year to 62 hours, 56 minutes per year. Thirteen (13) residential receptors were predicted to experience more than 30 hours per year, of which eleven (11) are currently non-participating. A summary of the predicted annual shadow flicker duration at the 910 non-participating residences for the V150-4.5 wind turbine is presented below:

- No shadow flicker: 766 receptors (84%)
- 0 to 10 hours per year: 104 receptors (11%)
- 10 to 30 hours per year: 29 receptors (3%)
- Over 30 hours per year: 11 receptors (1%)

The maximum expected annual duration of shadow flicker at a residential receptor (#836) on a participating parcel is 65 hours, 46 minutes. The maximum expected annual duration of shadow flicker at a residential receptor (#482) on a non-participating parcel is 62 hours, 56 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings. Therefore, these data overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

The maximum expected annual duration of shadow flicker at a commercial receptor in the Town of Venice (#1312) on a participating parcel is 61 hours, 16 minutes. The maximum expected annual duration of shadow flicker at a commercial receptor in the Town of Venice (#832) on a non-participating parcel is 16 hours, 23 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings. Therefore, these data overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

Graphical and tabular shadow flicker calendars for these eleven (11) non-participating residential receptors are included in Appendix C of this report for the V150-4.5 wind turbine with a hub height of 120 meters. The calendars in Appendix C present numerically and graphically when shadow flicker at a given location has the potential to occur under worst-case conditions and which wind turbines generate the shadow flicker at that location. These graphical and tabular calendars are output directly from WindPRO.

### **5.2.2 Shadow Flicker Modeling Results – V162-6.8, 119m HH**

Table B-2 in Appendix B presents the modeling results of expected shadow flicker for the Project layout under conditions specified in Section 5.1 of this report for the V162-6.8 wind turbine at a hub height of 119 meters. Table B-2 includes sixteen tables, B-2a through B-2p, which presents expected hours per year of shadow flicker at the 1,012 receptors included in the analysis sorted by receptor ID and expected flicker and broken out by receptor category and participation.

The predicted expected annual shadow flicker at non-participating residences ranged from 0 hours, 0 minutes per year to 73 hours, 18 minutes per year. Fifteen (15) residential receptors were predicted to experience more than 30 hours per year, of which thirteen (13) are currently non-participating. A summary of the predicted annual shadow flicker duration at the 910 non-participating residences for the V162-6.8 wind turbine is presented below:

- No shadow flicker: 738 receptors (81%)
- 0 to 10 hours per year: 114 receptors (13%)
- 10 to 30 hours per year: 45 receptors (5%)
- Over 30 hours per year: 13 receptors (1%)

The maximum expected annual duration of shadow flicker at a residential receptor (#836) on a participating parcel is 74 hours, 9 minutes. The maximum expected annual duration of shadow flicker at a residential receptor (#482) on a non-participating parcel is 73 hours, 18 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings. Therefore, these data overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

The maximum expected annual duration of shadow flicker at a commercial receptor in the Town of Venice (#1312) on a participating parcel is 69 hours, 20 minutes. The maximum expected annual duration of shadow flicker at a commercial receptor in the Town of Venice (#580) on a non-participating parcel is 21 hours, 13 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings. Therefore, these data overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

Graphical and tabular shadow flicker calendars for these thirteen (13) non-participating residential receptors are included in Appendix C of this report for the V168-6.2 wind turbine with a hub height of 119 meters. The calendars in Appendix C present numerically and graphically when shadow flicker at a given location has the potential to occur under worst-case conditions and which wind turbines generate the shadow flicker at that location. These graphical and tabular calendars are output directly from WindPRO.

The V162-6.8 wind turbine was modeled to generate the largest amount of annual shadow flicker amongst the three wind turbine generators being considered by the Applicant. Accordingly, this turbine model represents a worst-case scenario and flicker isolines were created for this turbine

consistent with the procedure outlined in Section 5.1. Figure 5-2 displays the modeled flicker isolines over aerial imagery in relation to modeled wind turbine locations and receptors. This figure is accompanied by a series of thirty-eight (38) inset maps that provide a higher level of detail at all modeled receptors. These figures show the expected annual hours of shadow flicker around each wind turbine to where it drops to zero hours per year.

To address all thirteen (13) non-participating residential receptors that are currently predicted to exceed the limit of 30 hours per year, the Applicant will seek GNAs from each landowner. In the case that a GNA is unattainable, the Applicant will implement shadow flicker curtailments to ensure the limit is achieved at all locations. Details of the shadow flicker mitigation strategy are provided in Section 6.0 of this report. Table 5-3<sup>6</sup> summarizes the thirteen (13) non-participating residential receptors over 30 hours per year of shadow flicker without curtailment for the worst-case (V162-6.8) wind turbine being proposed and identifies the contributing wind turbines.

### **5.2.3 Shadow Flicker Modeling Results – N149-4.X TS 108, 108m HH**

Table B-3 in Appendix B presents the modeling results of expected shadow flicker for the Project layout under conditions specified in Section 5.1 of this report for the N149-4.X TS 108 wind turbine at a hub height of 108 meters. Table B-3 includes sixteen tables, B-3a through B-3p, which presents expected hours per year of shadow flicker at the 1,012 receptors included in the analysis sorted by receptor ID and expected flicker and broken out by receptor category and participation.

The predicted expected annual shadow flicker at non-participating residences ranged from 0 hours, 0 minutes per year to 64 hours, 52 minutes per year. Thirteen (13) residential receptors were predicted to experience more than 30 hours per year, of which eleven (11) are currently non-participating. A summary of the predicted annual shadow flicker duration at the 910 non-participating residences for the N149-4.X TS 108 wind turbine is presented below:

- No shadow flicker: 767 receptors (83%)
- 0 to 10 hours per year: 105 receptors (9%)
- 10 to 30 hours per year: 27 receptors (6%)
- Over 30 hours per year: 11 receptors (1%)

The maximum expected annual duration of shadow flicker at a residential receptor (#836) on a participating parcel is 62 hours, 38 minutes. The maximum expected annual duration of shadow flicker at a residential receptor (#482) on a non-participating parcel is 64 hours, 52 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings. Therefore, these data overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

<sup>6</sup> Values presented in Table 5-3 were calculated using the Time Series results output on a modeling receptor per turbine minute-by-minute basis from the Shadow module within the WindPRO software package. This aligns with the values presented in Appendix F.

The maximum expected annual duration of shadow flicker at a commercial receptor in the Town of Venice (#1312) on a participating parcel is 57 hours, 37 minutes. The maximum expected annual duration of shadow flicker at a commercial receptor in the Town of Venice (#832) on a non-participating parcel is 15 hours, 41 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings. Therefore, these data overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

Graphical and tabular shadow flicker calendars for these eleven (11) non-participating residential receptors are included in Appendix C of this report for the N149-4.X TS 108 wind turbine with a hub height of 108 meters. The calendars in Appendix C present numerically and graphically when shadow flicker at a given location has the potential to occur under worst-case conditions and which wind turbines generate the shadow flicker at that location. These graphical and tabular calendars are output directly from WindPRO.

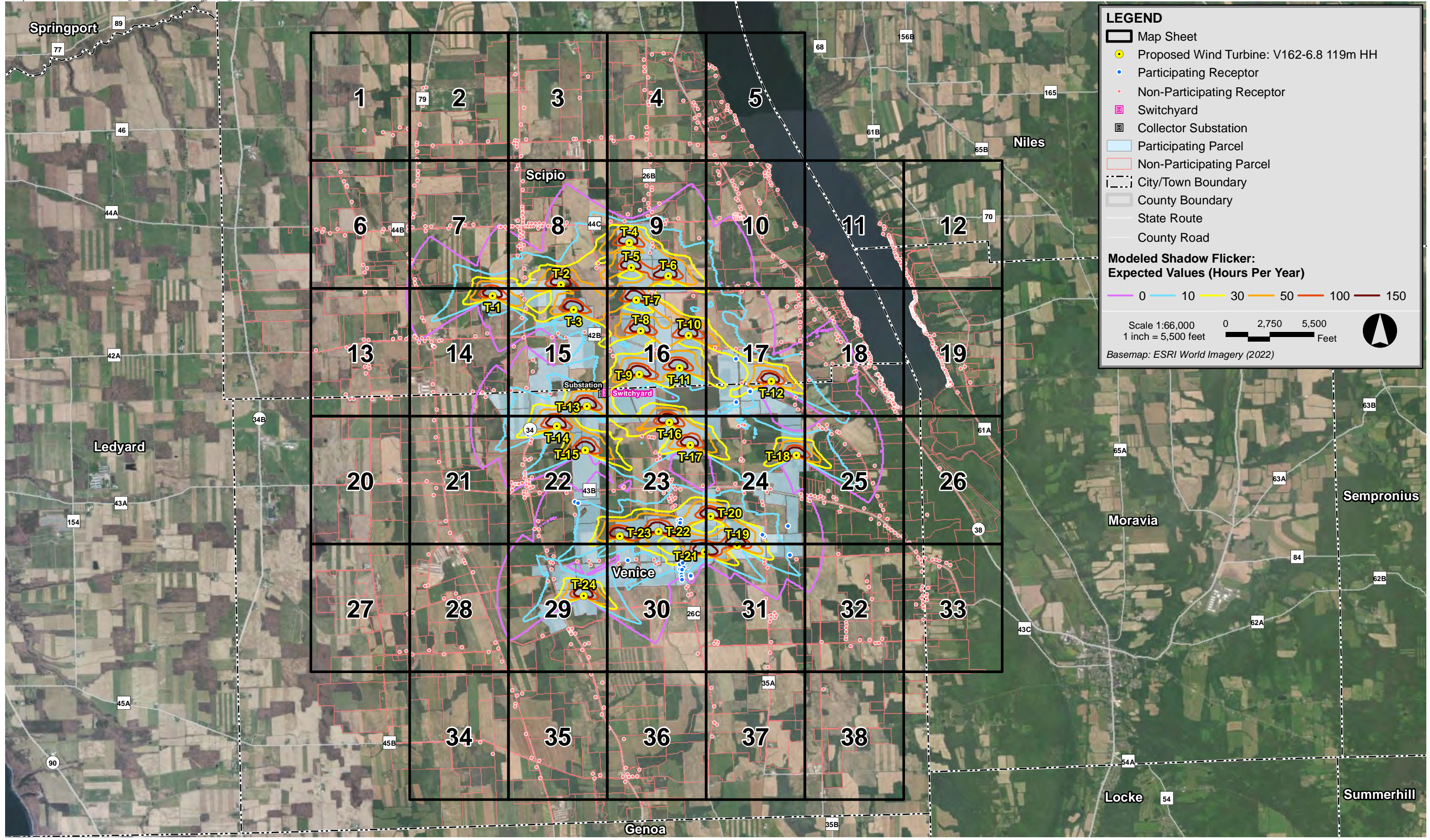
**Table 5-3 Summary of Non-Participating Residences over 30 Hours/Year (V162-6.8)**

| Modeling Receptor ID | Tax Parcel ID  | Participation Status | Annual Shadow Flicker (HH:MM)/Year | Contributing Wind Turbines | Annual Shadow Flicker Contribution (HH:MM)/Year |
|----------------------|----------------|----------------------|------------------------------------|----------------------------|---|
| 480                  | 174.00-1-29.1  | Non-Participating    | 46:32                              | T-4                        | 35:36   |
|                      |                |                      |                                    | T-5                        | 10:56   |
| 481                  | 174.00-1-30.1  | Non-Participating    | 68:15                              | T-4                        | 50:50   |
|                      |                |                      |                                    | T-5                        | 16:11   |
|                      |                |                      |                                    | T-6                        | 1:14  |
| 482                  | 174.00-1-31    | Non-Participating    | 73:35                              | T-4                        | 33:16   |
|                      |                |                      |                                    | T-5                        | 24:49   |
|                      |                |                      |                                    | T-6                        | 15:30   |
| 484                  | 174.00-1-78.12 | Non-Participating    | 49:22                              | T-7                        | 47:03   |
|                      |                |                      |                                    | T-3                        | 1:19  |
|                      |                |                      |                                    | T-10                       | 1:00  |
| 495                  | 185.00-1-8     | Non-Participating    | 48:06                              | T-11                       | 23:38   |
|                      |                |                      |                                    | T-10                       | 19:07   |
|                      |                |                      |                                    | T-9                        | 5:21  |
| 496                  | 186.00-1-4     | Non-Participating    | 43:50                              | T-10                       | 27:14   |
|                      |                |                      |                                    | T-11                       | 8:05  |
|                      |                |                      |                                    | T-12                       | 3:29  |
|                      |                |                      |                                    | T-8                        | 3:21  |
|                      |                |                      |                                    | T-9                        | 1:41  |

**Table 5-3 Summary of Non-Participating Residences over 30 Hours/Year (V162-6.8) (Continued)**



| <b>Modeling Receptor ID</b> | <b>Tax Parcel ID</b> | <b>Participation Status</b> | <b>Annual Shadow Flicker (HH:MM)/Year</b> | <b>Contributing Wind Turbines</b> | <b>Shadow Flicker Contribution (HH:MM)/Year</b> |
|-----------------------------|----------------------|-----------------------------|---|-----------------------------------|---|
| 610                         | 197.00-1-50.2        | Non-Participating           | 34:04                                     | T-19                              | 17:19   |
|                             |                      |                             |   | T-20                              | 14:13   |
|                             |                      |                             |   | T-21                              | 2:32  |
| 785                         | 174.00-1-73.1        | Non-Participating           | 43:49                                     | T-2                               | 19:39   |
|                             |                      |                             |   | T-1                               | 18:43   |
|                             |                      |                             |   | T-3                               | 5:27  |
| 786                         | 174.00-1-74          | Non-Participating           | 40:49                                     | T-1                               | 19:33   |
|                             |                      |                             |   | T-2                               | 14:53   |
|                             |                      |                             |   | T-3                               | 6:23  |
| 787                         | 185.00-1-3.2         | Non-Participating           | 37:16                                     | T-1                               | 29:30   |
|                             |                      |                             |   | T-3                               | 7:46  |
| 794                         | 174.00-1-34          | Non-Participating           | 31:41                                     | T-5                               | 15:32   |
|                             |                      |                             |   | T-2                               | 7:01  |
|                             |                      |                             |   | T-7                               | 6:28  |
|                             |                      |                             |   | T-6                               | 2:40  |
| 795                         | 174.00-1-77          | Non-Participating           | 35:37                                     | T-5                               | 15:04   |
|                             |                      |                             |   | T-7                               | 9:50  |
|                             |                      |                             |   | T-2                               | 8:04  |
|                             |                      |                             |   | T-6                               | 2:39  |
| 839                         | 196.00-1-59.2        | Non-Participating           | 47:45                                     | T-21                              | 32:07   |
|                             |                      |                             |   | T-23                              | 9:42  |
|                             |                      |                             |   | T-19                              | 5:56  |

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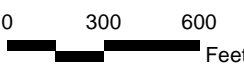
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|--|----|--|----|--|----|--|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine: V162-6.8 119m HH</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Switchyard</li> <li><span style="background-color: black; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Collector Substation</li> </ul> |    | <ul style="list-style-type: none"> <li><span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Non-Participating Parcel</li> <li><span style="border-top: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> State Route</li> <li><span style="border-left: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Road</li> </ul> |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br><ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid purple; display: inline-block; width: 15px;"></span> 0</li> <li><span style="border-bottom: 2px solid cyan; display: inline-block; width: 15px;"></span> 10</li> <li><span style="border-bottom: 2px solid yellow; display: inline-block; width: 15px;"></span> 30</li> <li><span style="border-bottom: 2px solid orange; display: inline-block; width: 15px;"></span> 50</li> <li><span style="border-bottom: 2px solid red; display: inline-block; width: 15px;"></span> 100</li> <li><span style="border-bottom: 2px solid darkred; display: inline-block; width: 15px;"></span> 150</li> </ul> |    | <div style="text-align: center;"> <br/>                 Scale 1:7,200<br/>                 1 inch = 600 feet<br/> <br/>                 0 300 600 Feet             </div> <p style="font-size: small;">Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community</p> |  | <table border="1" style="width: 100%; text-align: center;"> <tr><td style="background-color: red; color: white;">1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3  | 4  | 5  |    |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8  | 9  | 10   | 11 | 12   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15   | 16 | 17   | 18 | 19   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22   | 23 | 24   | 25 | 26   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29   | 30 | 31   | 32 | 33   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36   | 37 | 38   |    |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|--|----|--|----|--|----|--|--|---|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
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| 1  | 2  | 3  | 4  | 5  |    |  |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8  | 9  | 10   | 11 | 12   |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15   | 16 | 17   | 18 | 19   |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22   | 23 | 24   | 25 | 26   |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29   | 30 | 31   | 32 | 33   |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36   | 37 | 38   |    |  |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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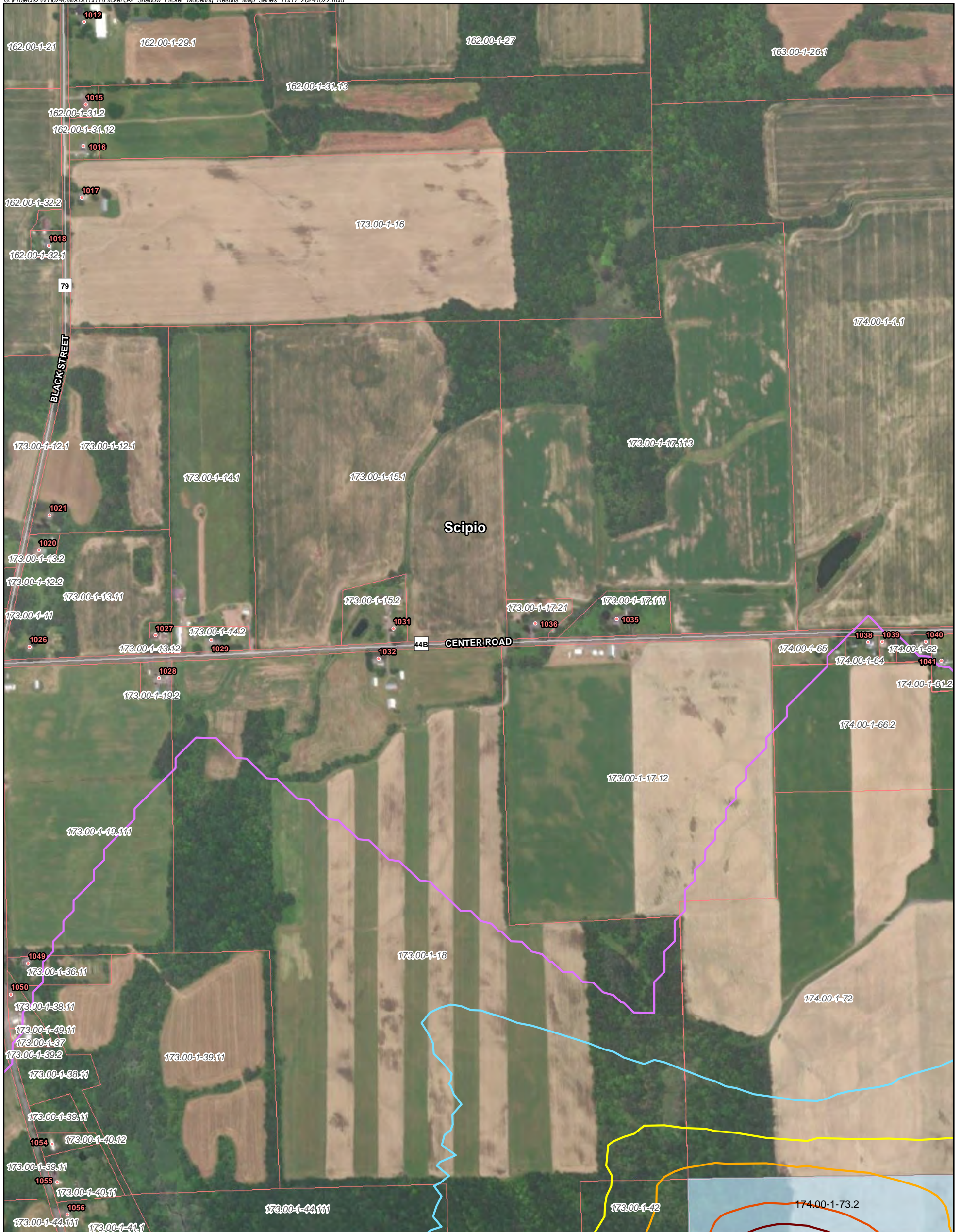
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|---|----|--|---|--|----|----|---|---|---|--|--|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation<br>Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td></td><td></td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 |  |  | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1   | 2  | 3  | 4   | 5  |    |    |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6   | 7  | 8  | 9   | 10   | 11 | 12 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13  | 14 | 15   | 16  | 17   | 18 | 19 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20  | 21 | 22   | 23  | 24   | 25 | 26 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27  | 28 | 29   | 30  | 31   | 32 | 33 |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34  | 35 | 36   | 37  | 38   |    |    |   |   |   |  |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |



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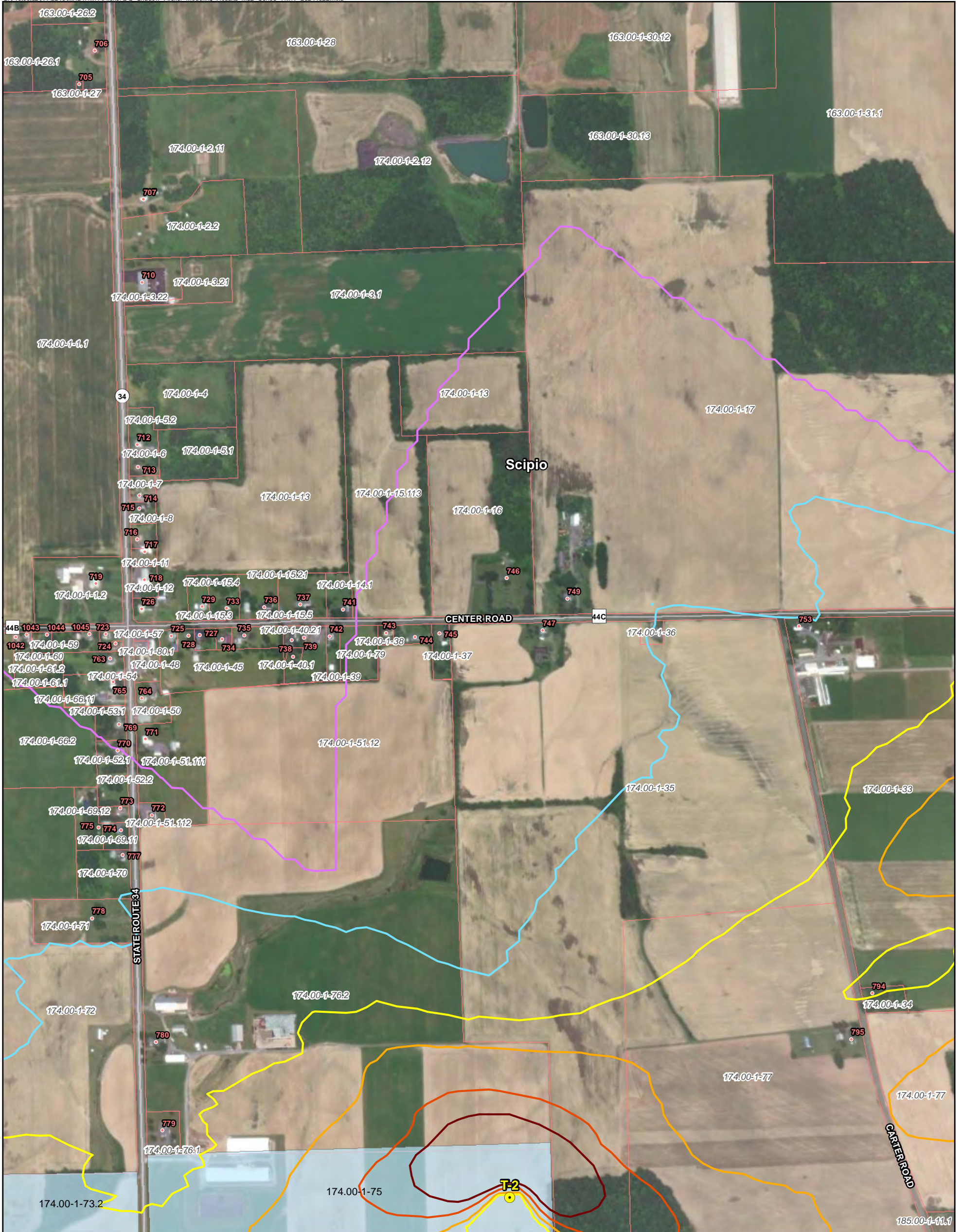
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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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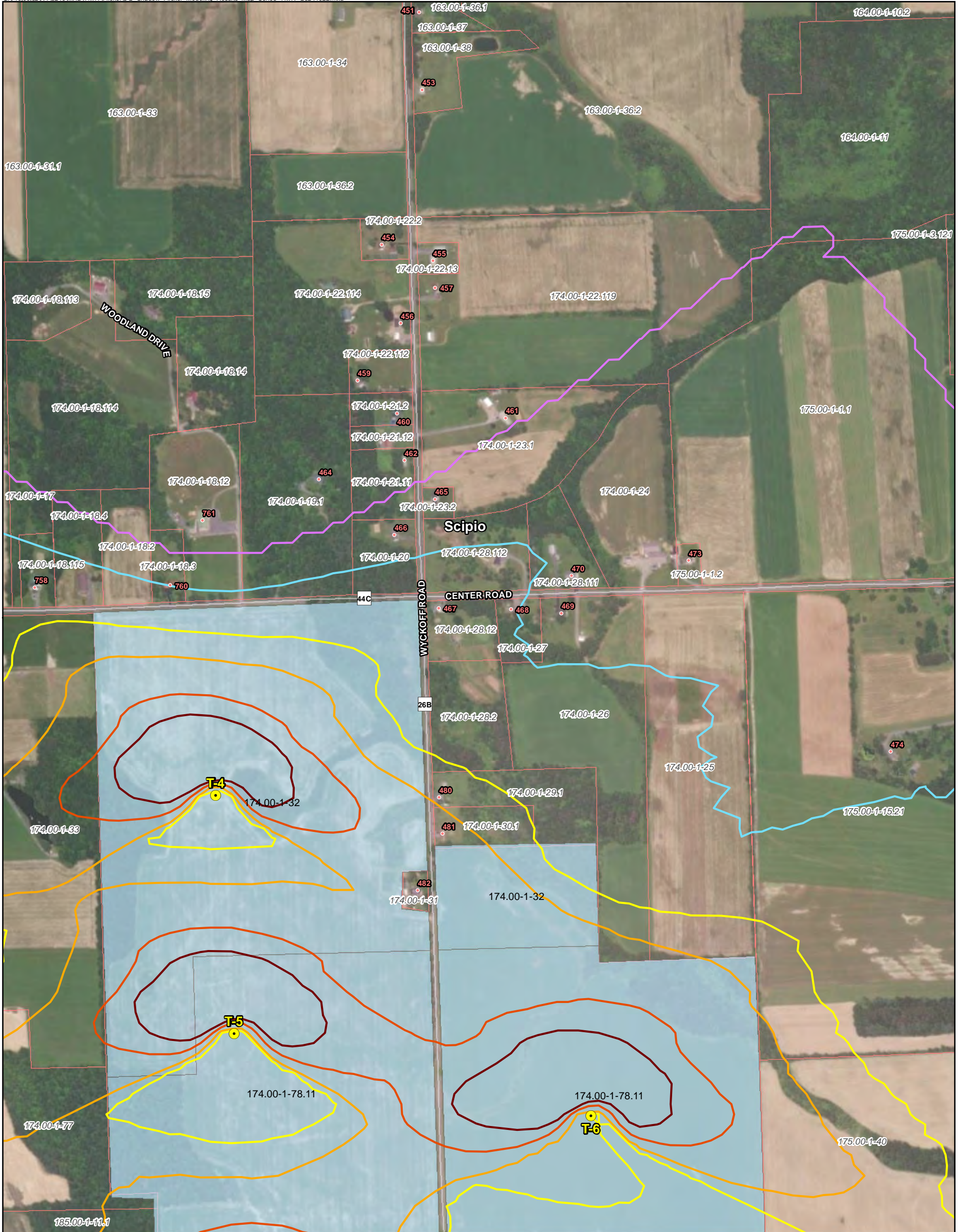
|  |    |  |  |  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|--|----|--|--|--|----|----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine: V162-6.8 119m HH</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Switchyard</li> <li><span style="background-color: black; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Collector Substation</li> <li><span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Non-Participating Parcel</li> <li><span style="border-top: 1px dashed black; display: inline-block; width: 10px; height: 10px;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 10px; height: 10px;"></span> State Route</li> <li><span style="border-left: 1px solid gray; display: inline-block; width: 10px; height: 10px;"></span> County Road</li> </ul> |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br><ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> 0</li> <li><span style="border-bottom: 2px solid cyan; width: 20px; display: inline-block;"></span> 10</li> <li><span style="border-bottom: 2px solid yellow; width: 20px; display: inline-block;"></span> 30</li> <li><span style="border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span> 50</li> <li><span style="border-bottom: 2px solid red; width: 20px; display: inline-block;"></span> 100</li> <li><span style="border-bottom: 2px solid darkred; width: 20px; display: inline-block;"></span> 150</li> </ul> | <div style="text-align: center;"> <br/>                 Scale 1:7,200<br/>                 1 inch = 600 feet<br/> <br/>                 0 300 600 Feet             </div> <p style="font-size: small;">Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community</p> | <table border="1" style="text-align: center; width: 100%;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td style="background-color: red;">7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3  | 4  | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|---|--|----|---|--|----|----|----|----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation<br>Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
|   | 1  | 2  |   |  | 3  | 4  | 5  |    |    |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|   | 6  | 7  |   |  | 8  | 9  | 10 | 11 | 12 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|   | 13   | 14 |   |  | 15 | 16 | 17 | 18 | 19 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|   | 20   | 21 |   |  | 22 | 23 | 24 | 25 | 26 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|   | 27   | 28 |   |  | 29 | 30 | 31 | 32 | 33 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34  | 35   | 36 | 37  | 38   |    |    |    |    |    |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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| <b>LEGEND</b>  |   | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b> | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   |   |   |  | 3  | 4  | 5 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8   | 9   | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15  | 16  | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22  | 23  | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29  | 30  | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36  | 37  | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <ul style="list-style-type: none"> <li> Proposed Wind Turbine: V162-6.8 119m HH</li> <li> Participating Receptor</li> <li> Non-Participating Receptor</li> <li> Switchyard</li> <li> Collector Substation</li> </ul> | <ul style="list-style-type: none"> <li> Participating Parcel</li> <li> Non-Participating Parcel</li> <li> City/Town Boundary</li> <li> County Boundary</li> <li> State Route</li> <li> County Road</li> </ul> |   |   |  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |



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| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |


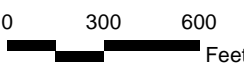
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| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine: V162-6.8 119m HH</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Switchyard</li> <li><span style="background-color: black; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Collector Substation</li> <li><span style="background-color: lightblue; border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Non-Participating Parcel</li> <li><span style="border-top: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> State Route</li> <li><span style="border-left: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Road</li> </ul> |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br><ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> 0</li> <li><span style="border-bottom: 2px solid cyan; width: 20px; display: inline-block;"></span> 10</li> <li><span style="border-bottom: 2px solid yellow; width: 20px; display: inline-block;"></span> 30</li> <li><span style="border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span> 50</li> <li><span style="border-bottom: 2px solid red; width: 20px; display: inline-block;"></span> 100</li> <li><span style="border-bottom: 2px solid darkred; width: 20px; display: inline-block;"></span> 150</li> </ul> | <div style="text-align: center;"> <br/>                 Scale 1:7,200<br/>                 1 inch = 600 feet<br/> <br/>                 0 300 600 Feet             </div> <p style="font-size: small;">Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community</p> | <table border="1" style="width: 100%; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td style="background-color: red;">12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1   | 2  | 3  | 4  | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 13  | 14 | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27  | 28 | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34  | 35 | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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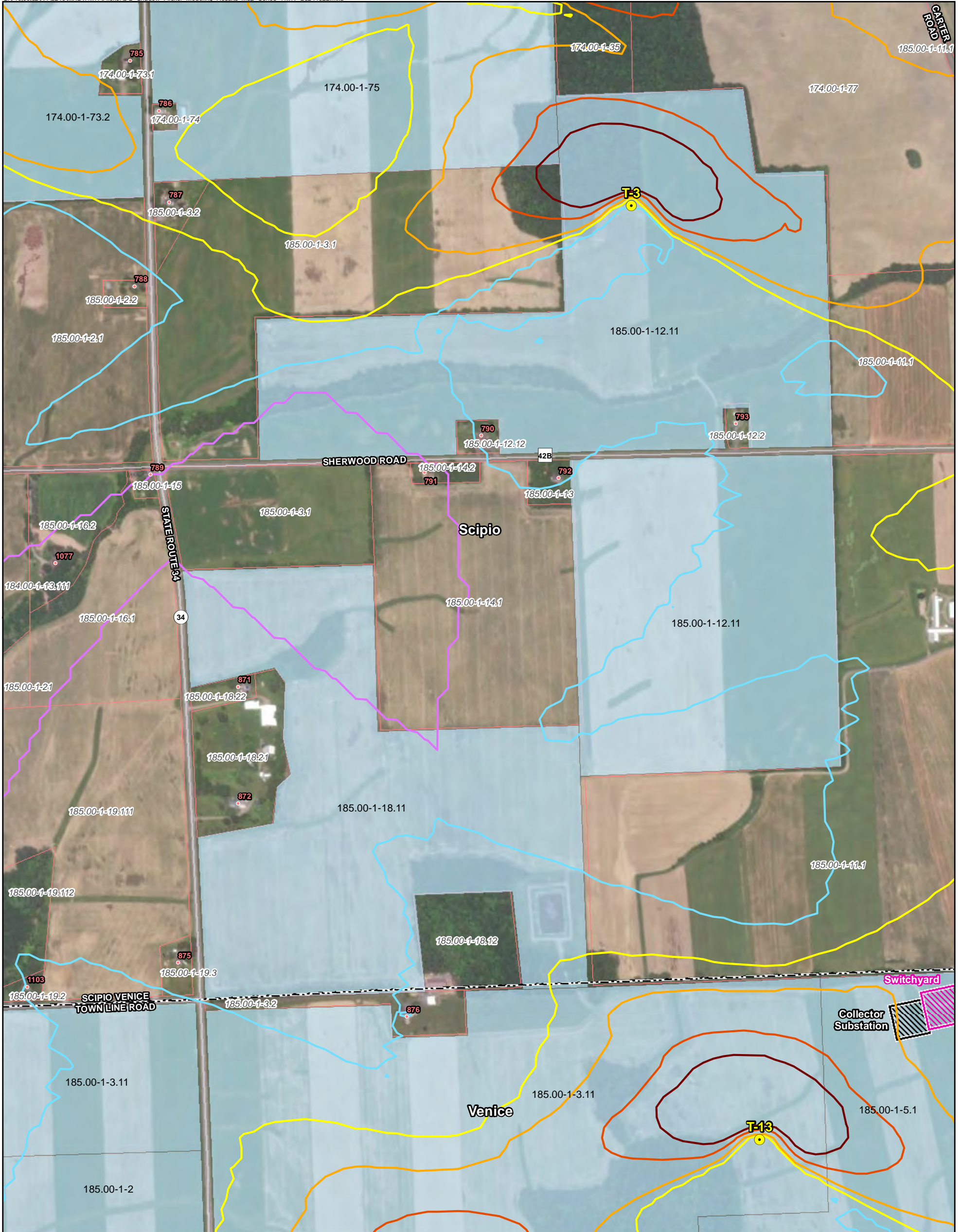
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| 1  | 2  | 3  | 4  | 5   |    |  |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 13   | 14 | 15   | 16 | 17  | 18 | 19   |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 27   | 28 | 29   | 30 | 31  | 32 | 33   |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36   | 37 | 38  |    |  |  |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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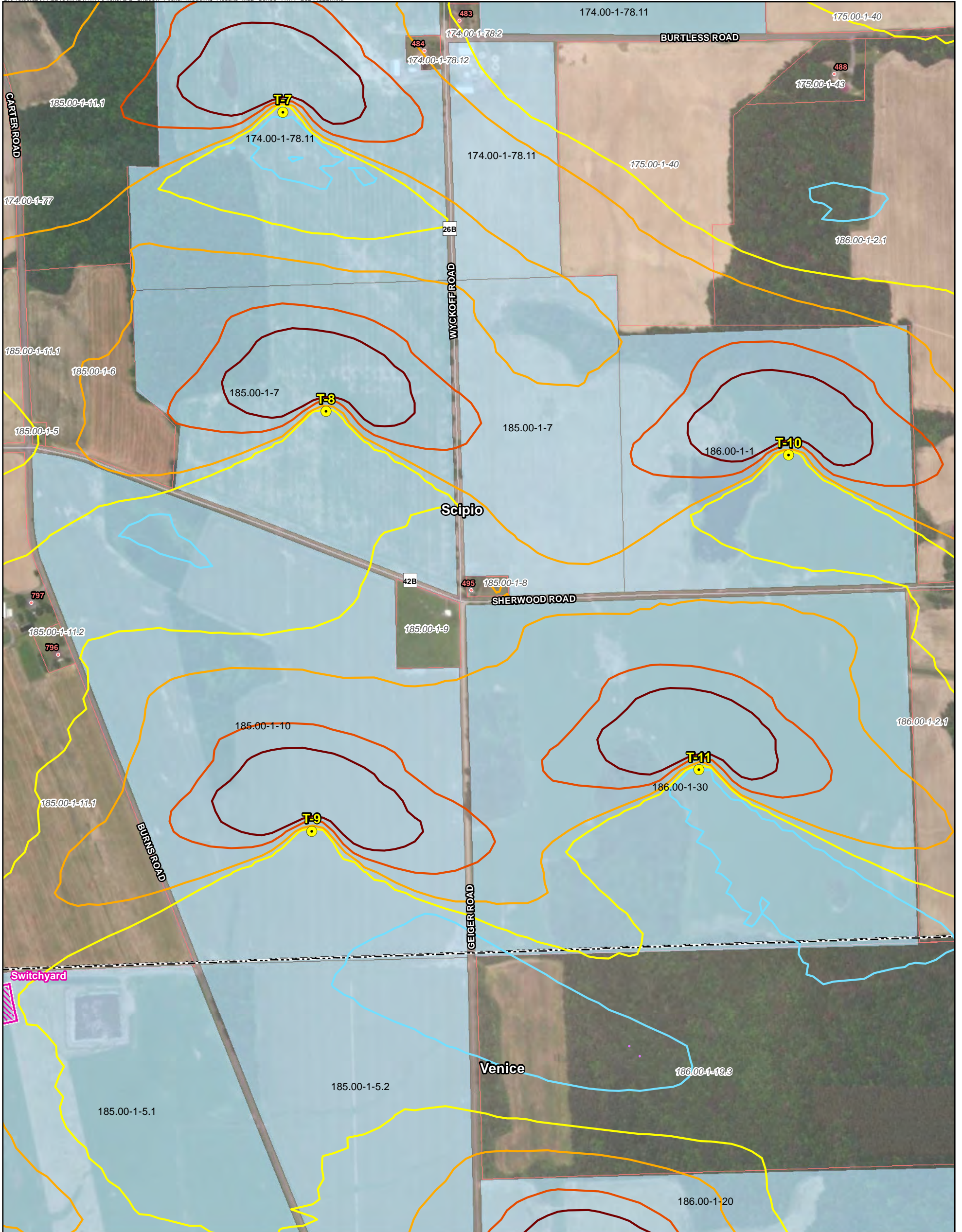
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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
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| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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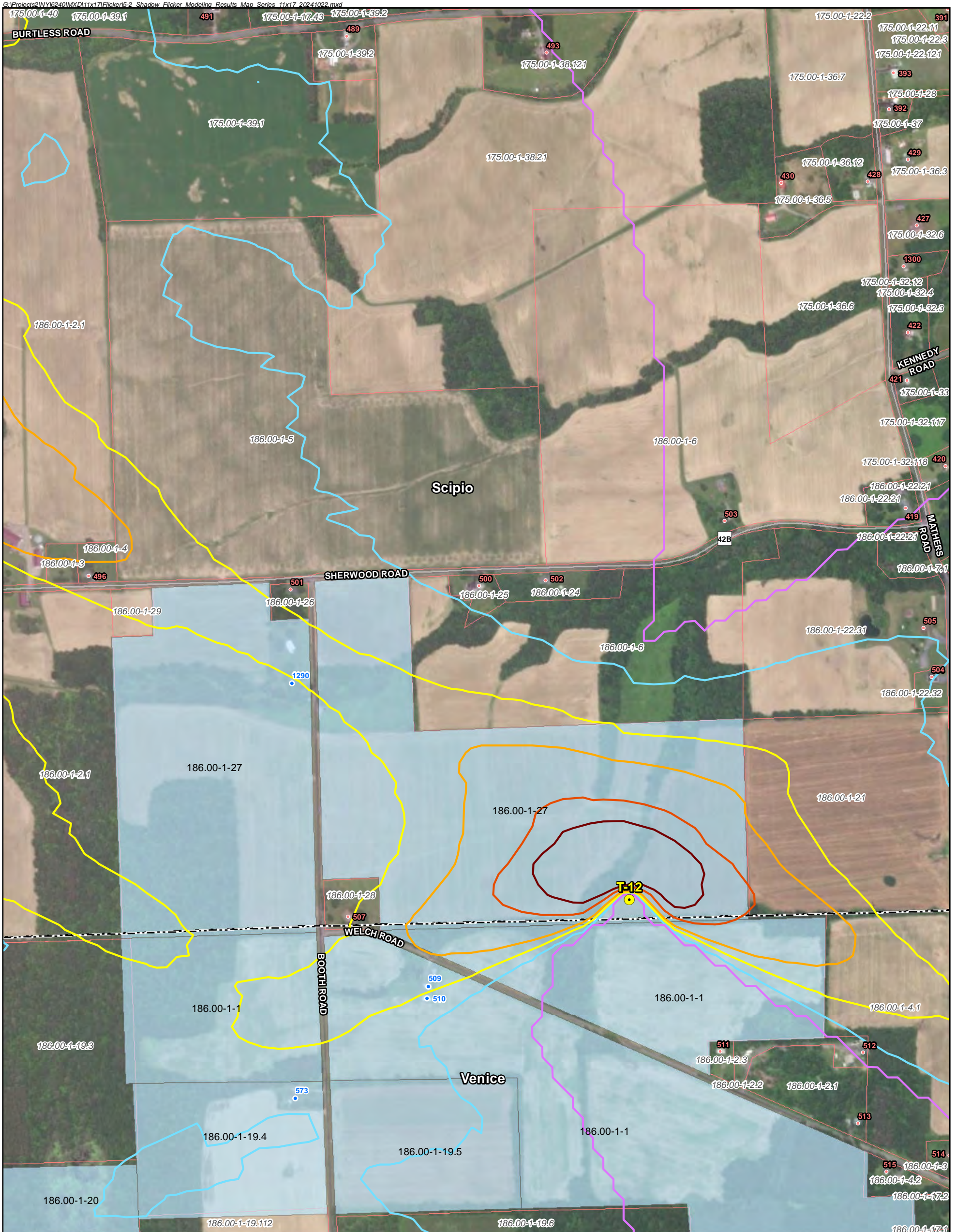


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| <b>LEGEND</b>  |   | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   |  |   |  | 3  | 4  | 5 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8  | 9   | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15   | 16  | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22   | 23  | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29   | 30  | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36   | 37  | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <ul style="list-style-type: none"> <li> Proposed Wind Turbine: V162-6.8 119m HH</li> <li> Participating Receptor</li> <li> Non-Participating Receptor</li> <li> Switchyard</li> <li> Collector Substation</li> </ul> | <ul style="list-style-type: none"> <li> Participating Parcel</li> <li> Non-Participating Parcel</li> <li> City/Town Boundary</li> <li> County Boundary</li> <li> State Route</li> <li> County Road</li> </ul> |  |   |  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |



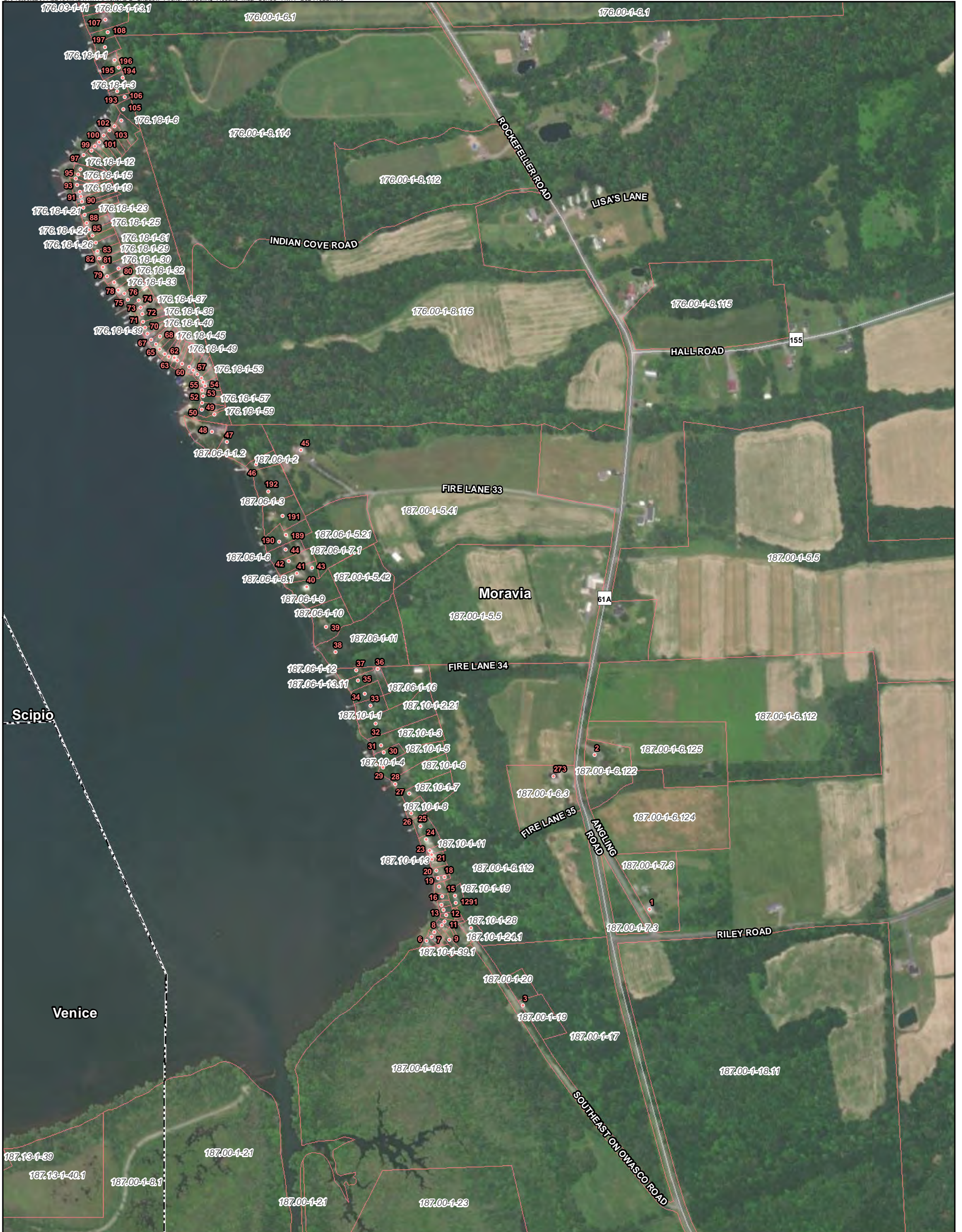
|  |    |   |    |  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation<br>Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1   | 2  | 3  | 4   | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6   | 7  | 8  | 9   | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13  | 14 | 15   | 16  | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20  | 21 | 22   | 23  | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27  | 28 | 29   | 30  | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34  | 35 | 36   | 37  | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | Scale 1:7,200<br>1 inch = 600 feet<br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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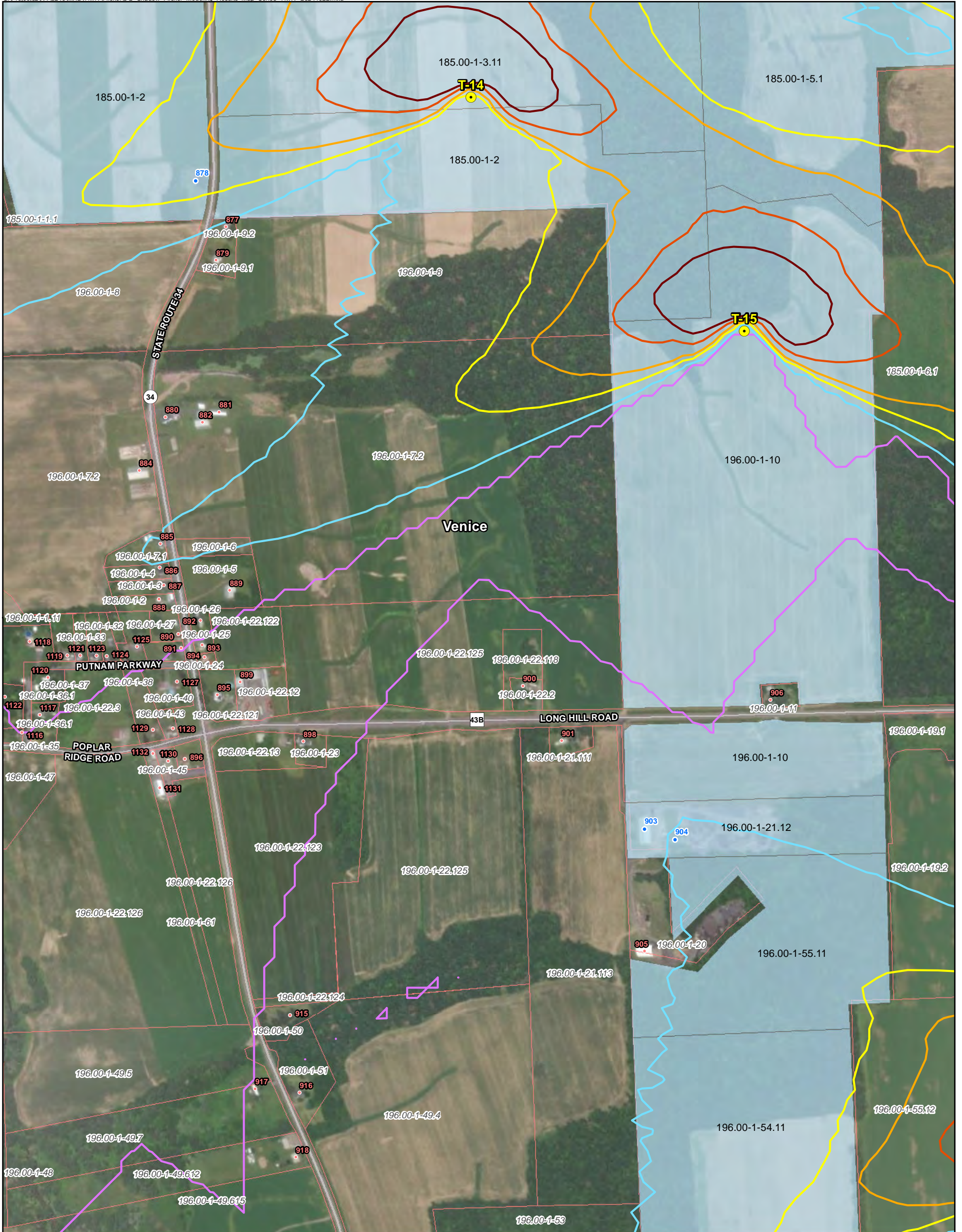
|  |    |   |    |  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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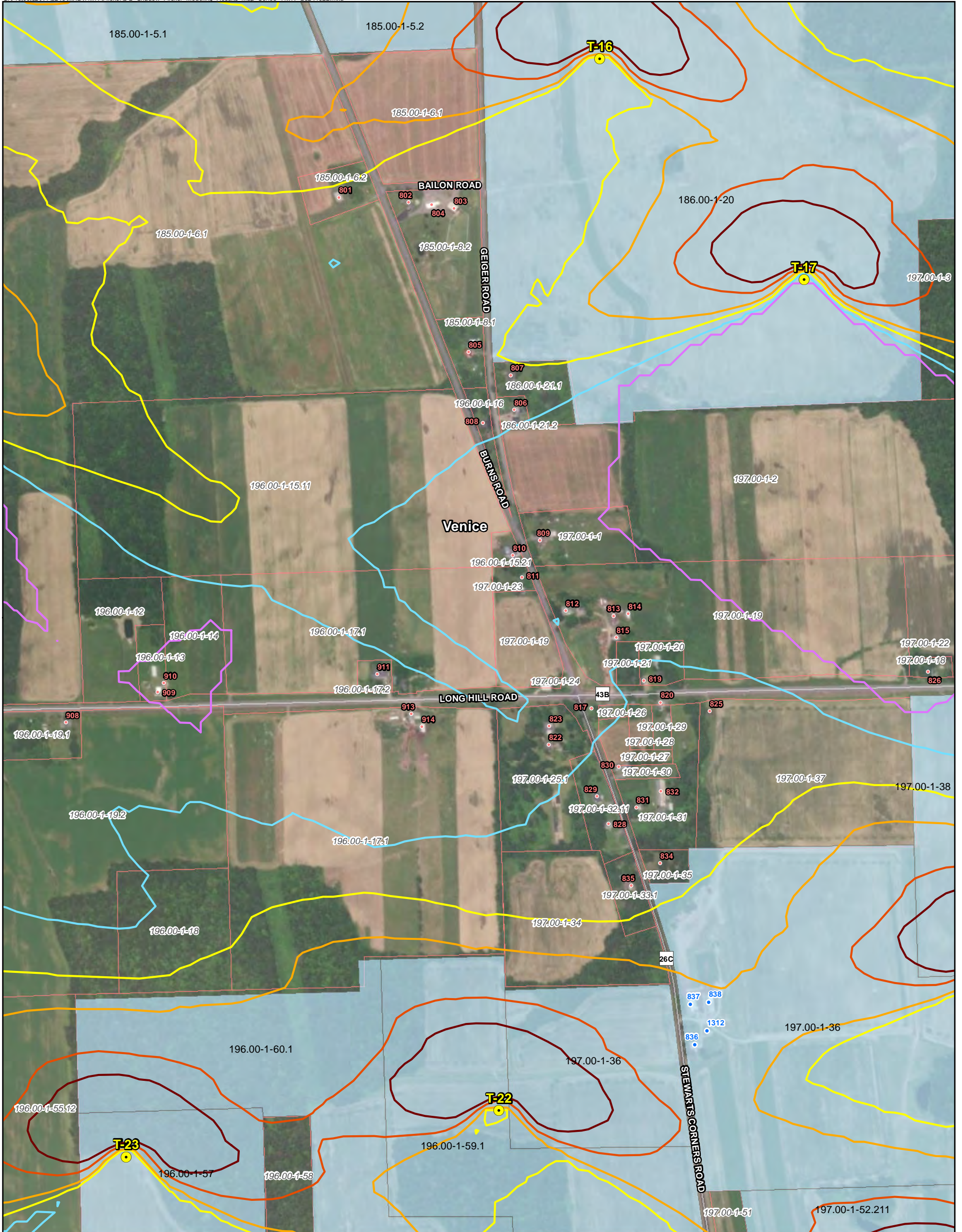
|  |   |   |   |  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| <b>LEGEND</b>  |   | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b> | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2   |   |   |  | 3  | 4  | 5 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7   | 8   | 9   | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14  | 15  | 16  | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21  | 22  | 23  | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28  | 29  | 30  | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35  | 36  | 37  | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <ul style="list-style-type: none"> <li> Proposed Wind Turbine: V162-6.8 119m HH</li> <li> Participating Receptor</li> <li> Non-Participating Receptor</li> <li> Switchyard</li> <li> Collector Substation</li> </ul> | <ul style="list-style-type: none"> <li> Participating Parcel</li> <li> Non-Participating Parcel</li> <li> City/Town Boundary</li> <li> County Boundary</li> <li> State Route</li> <li> County Road</li> </ul> |   |   |  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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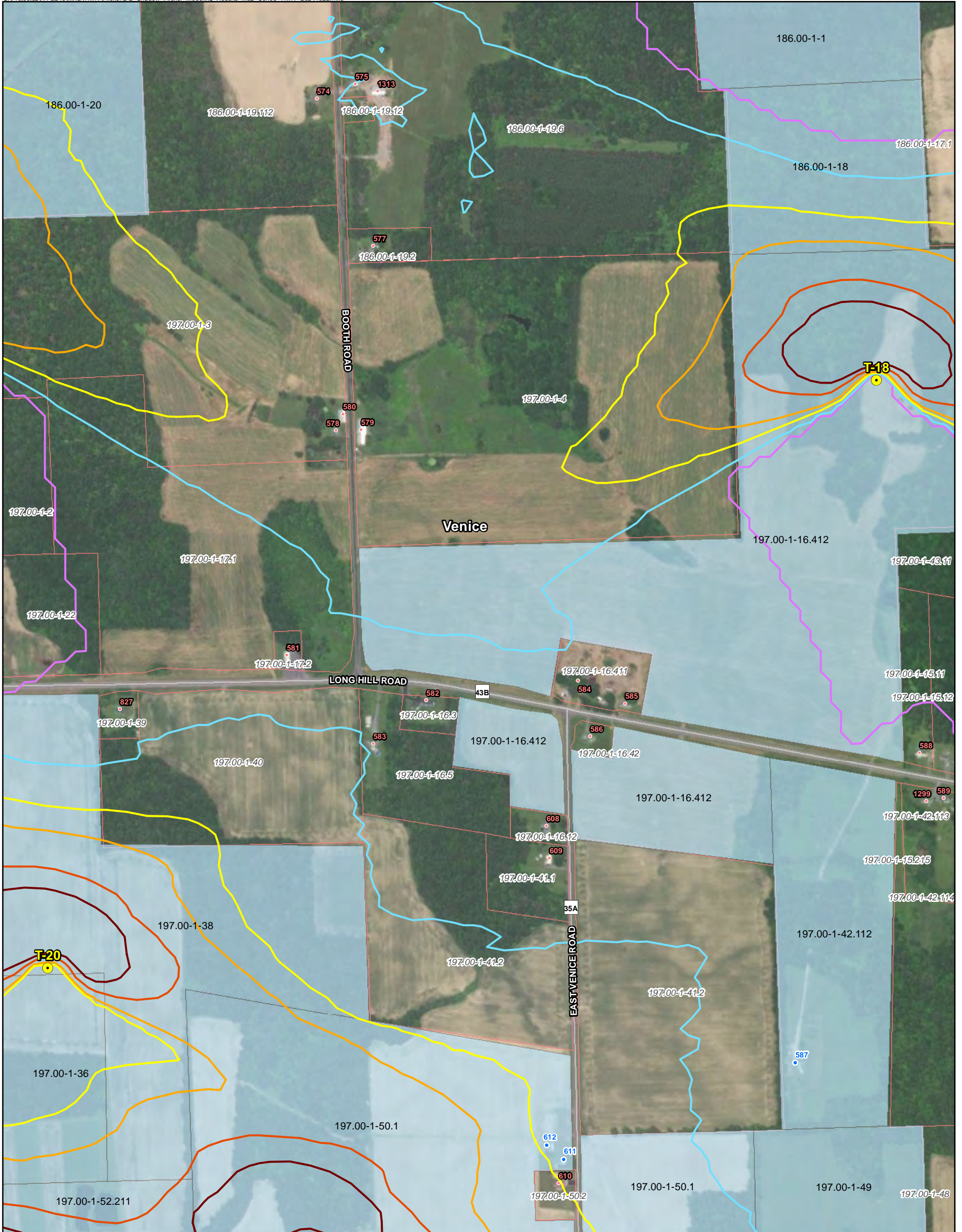
|  |    |   |    |  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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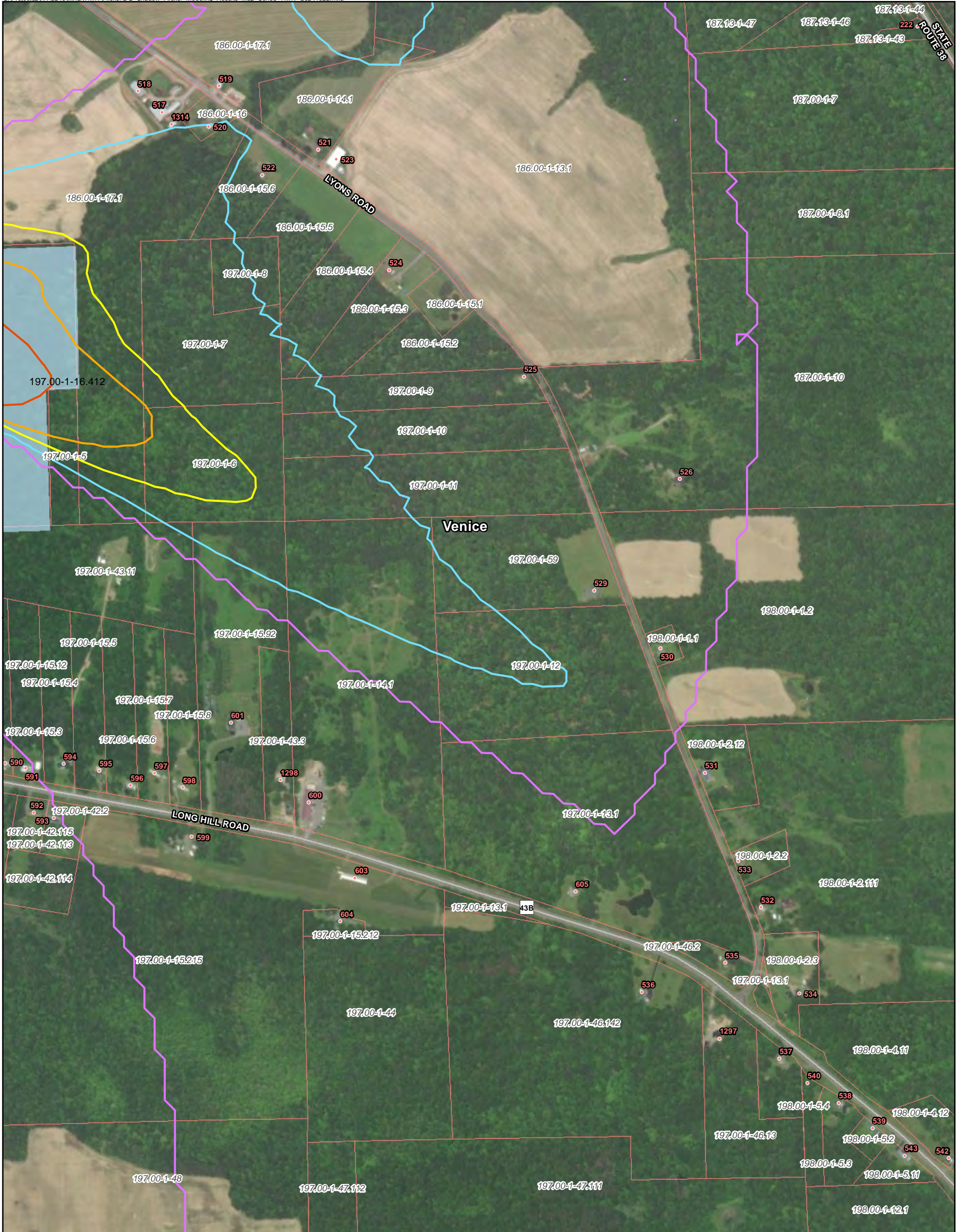
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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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| <b>LEGEND</b><br>● Proposed Wind Turbine: V162-6.8<br>119m HH<br>● Participating Receptor<br>● Non-Participating Receptor<br>▨ Switchyard<br>▨ Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1   | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6   | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13  | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27  | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34  | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |



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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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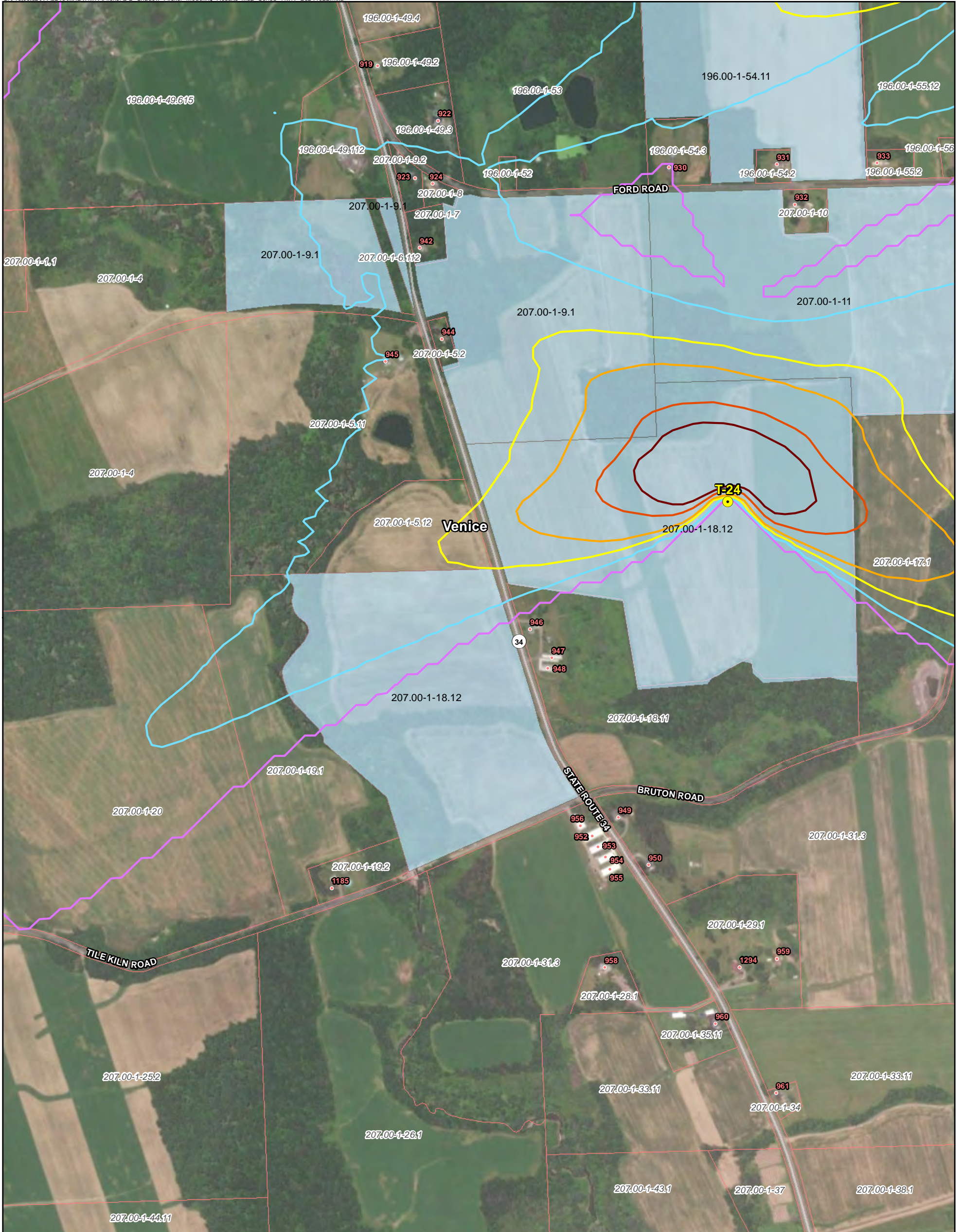
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| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine: V162-6.8 119m HH</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Switchyard</li> <li><span style="background-color: black; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Collector Substation</li> <li><span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Non-Participating Parcel</li> <li><span style="border-top: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> State Route</li> <li><span style="border-left: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Road</li> </ul> |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br><ul style="list-style-type: none"> <li><span style="color: purple;">—</span> 0</li> <li><span style="color: blue;">—</span> 10</li> <li><span style="color: yellow;">—</span> 30</li> <li><span style="color: orange;">—</span> 50</li> <li><span style="color: red;">—</span> 100</li> <li><span style="color: darkred;">—</span> 150</li> </ul> | <div style="text-align: center;"> <br/>                 Scale 1:7,200<br/>                 1 inch = 600 feet<br/> <br/>                 Feet             </div> <p style="font-size: small;">Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community</p> | <table border="1" style="width: 100%; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td style="background-color: red;">27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3  | 4  | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8  | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 27   | 28 | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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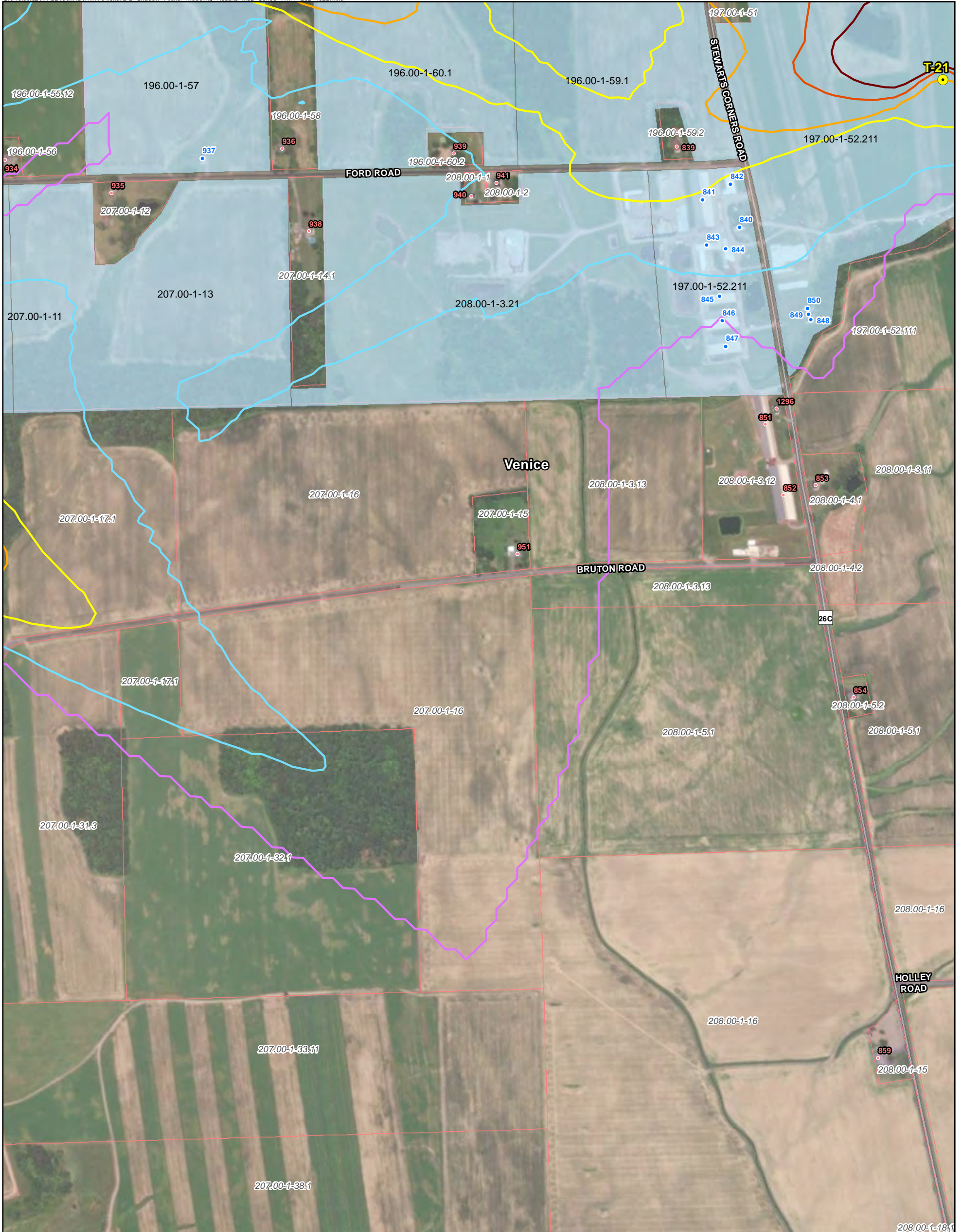
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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |



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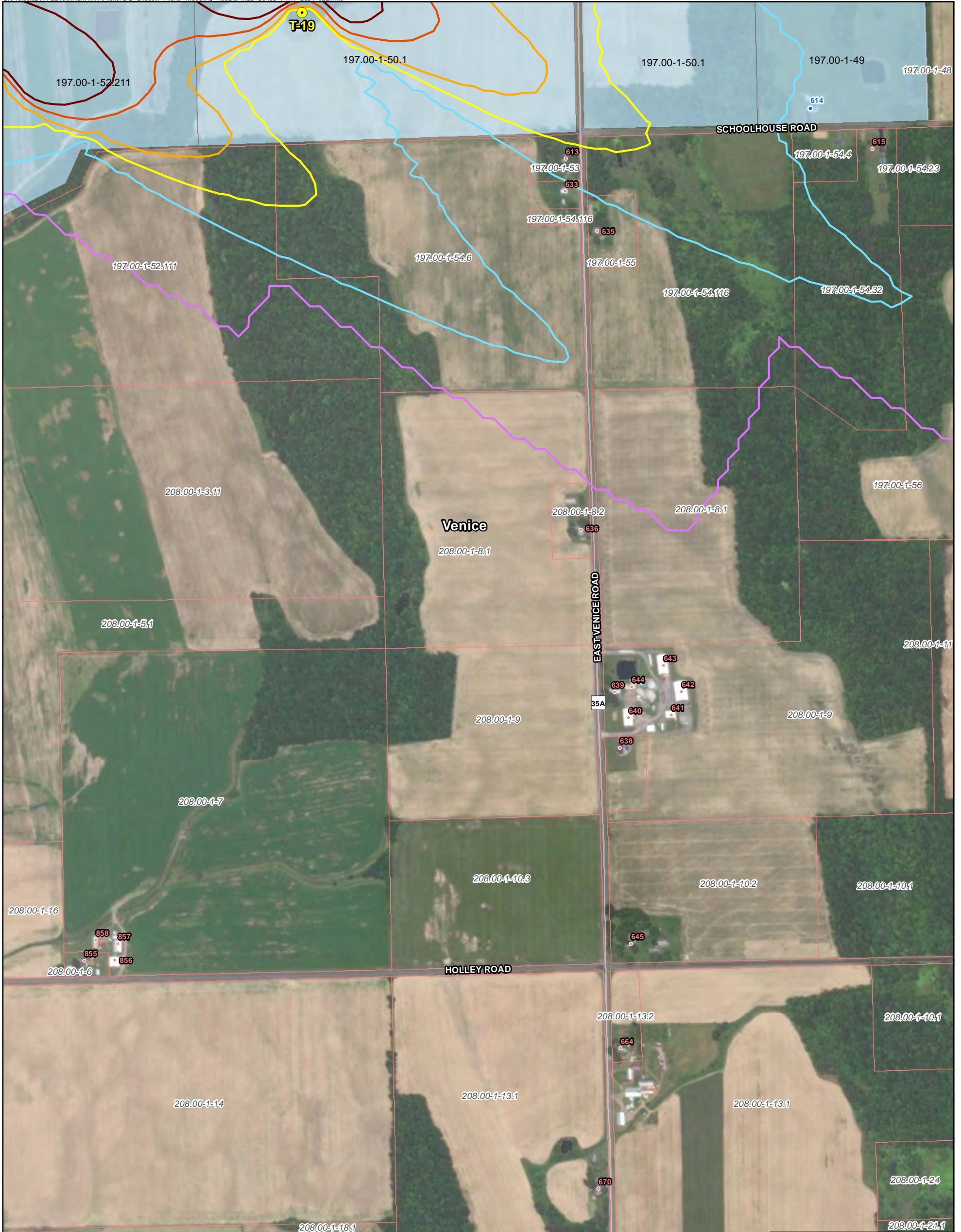
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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8<br>119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1   | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| 27  | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34  | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |


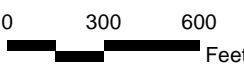
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| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine: V162-6.8<br/>119m HH</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Switchyard</li> <li><span style="background-color: black; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Collector Substation</li> <li><span style="background-color: lightblue; border: 1px solid lightblue; display: inline-block; width: 15px; height: 10px;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Non-Participating Parcel</li> <li><span style="border-top: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> City/Town Boundary</li> <li><span style="border: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> State Route</li> <li><span style="border-left: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> County Road</li> </ul> |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br><ul style="list-style-type: none"> <li><span style="color: purple;">—</span> 0</li> <li><span style="color: lightblue;">—</span> 10</li> <li><span style="color: yellow;">—</span> 30</li> <li><span style="color: orange;">—</span> 50</li> <li><span style="color: red;">—</span> 100</li> <li><span style="color: darkred;">—</span> 150</li> </ul> | <div style="text-align: center;"> <br/>                 Scale 1:7,200<br/>                 1 inch = 600 feet<br/> <br/>                 0 300 600 Feet             </div> <p style="font-size: small;">Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community</p> | <table border="1" style="width: 100%; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td style="background-color: red;">30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3   | 4  | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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|--|----|--|--|--|----|----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
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| 1  | 2  | 3  | 4  | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 13   | 14 | 15   | 16   | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td></td><td></td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |  |  |
| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

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|--|----|---|----|--|----|---|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
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| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |


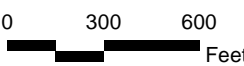
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| 1  | 2  | 3   | 4  | 5  |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 7  | 8   | 9  | 10   | 11 | 12  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14 | 15  | 16 | 17   | 18 | 19  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22  | 23 | 24   | 25 | 26  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29  | 30 | 31   | 32 | 33  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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| <b>LEGEND</b><br><ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Proposed Wind Turbine: V162-6.8<br/>119m HH</li> <li><span style="color: blue;">●</span> Participating Receptor</li> <li><span style="color: red;">●</span> Non-Participating Receptor</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Switchyard</li> <li><span style="background-color: black; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Collector Substation</li> </ul> |    | <ul style="list-style-type: none"> <li><span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Participating Parcel</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Non-Participating Parcel</li> <li><span style="border-bottom: 1px dashed black; display: inline-block; width: 15px;"></span> City/Town Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px;"></span> County Boundary</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px;"></span> State Route</li> <li><span style="border-bottom: 1px solid gray; display: inline-block; width: 15px;"></span> County Road</li> </ul> |    | <b>Modeled Shadow Flicker:<br/>Expected Values (Hours Per Year)</b><br><ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid purple; display: inline-block; width: 15px;"></span> 0</li> <li><span style="border-bottom: 2px solid lightblue; display: inline-block; width: 15px;"></span> 10</li> <li><span style="border-bottom: 2px solid yellow; display: inline-block; width: 15px;"></span> 30</li> <li><span style="border-bottom: 2px solid orange; display: inline-block; width: 15px;"></span> 50</li> <li><span style="border-bottom: 2px solid red; display: inline-block; width: 15px;"></span> 100</li> <li><span style="border-bottom: 2px solid darkred; display: inline-block; width: 15px;"></span> 150</li> </ul> |    | <div style="text-align: center;"> <br/>                 Scale 1:7,200<br/>                 1 inch = 600 feet<br/> <br/>                 Feet             </div> <p style="font-size: small;">Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community</p> |  | <table border="1" style="width: 100%; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td style="background-color: red;">35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 1  | 2  | 3  | 4  | 5   |    |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 13   | 14 | 15   | 16 | 17  | 18 | 19   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20   | 21 | 22   | 23 | 24  | 25 | 26   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27   | 28 | 29   | 30 | 31  | 32 | 33   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35 | 36   | 37 | 38  |    |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
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| 6  | 7   | 8  | 9   | 10   | 11 | 12 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13   | 14  | 15   | 16  | 17   | 18 | 19 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 27   | 28  | 29   | 30  | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34   | 35  | 36   | 37  | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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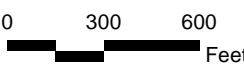
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| <b>LEGEND</b><br>Proposed Wind Turbine: V162-6.8 119m HH<br>Participating Receptor<br>Non-Participating Receptor<br>Switchyard<br>Collector Substation |    | Participating Parcel<br>Non-Participating Parcel<br>City/Town Boundary<br>County Boundary<br>State Route<br>County Road |    | <b>Modeled Shadow Flicker: Expected Values (Hours Per Year)</b><br>0<br>10<br>30<br>50<br>100<br>150 |    | <br>Scale 1:7,200<br>1 inch = 600 feet<br><br>0 300 600 Feet<br>Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community |  | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td></tr> <tr><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr> </table> |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
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| 34   | 35 | 36  | 37 | 38   |    |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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| 1   | 2  | 3  | 4  | 5  |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 20  | 21 | 22   | 23   | 24   | 25 | 26 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27  | 28 | 29   | 30   | 31   | 32 | 33 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 34  | 35 | 36   | 37   | 38   |    |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

## 6.0 SHADOW FLICKER MONITORING AND MITIGATION

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### 6.1 Monitoring and Mitigation

The Applicant intends to conduct further shadow flicker assessments prior to the start of construction. These assessments will be based on the final Project layout and turbine model selected and will incorporate site-specific information on the visibility individual non-participating residential receptors or commercial buildings in the Town of Venice will have of those turbines with the potential to cause shadow flicker. For those non-participating residential receptors or commercial buildings in the Town of Venice that continue to exceed the 30-hour annual threshold, the Applicant intends to secure GNAs or use shadow flicker detection and prevention technology to curtail turbines contributing to exceedances and meet the 30-hour annual threshold.

To comply with 16 NYCRR §1100-2.9(d)(6), select wind turbines will be curtailed as needed to reduce shadow flicker below the 30-hour threshold using a Vestas Shadow Flicker Control (VSFC) system for the V150-4.5 or V162-6.8 turbines or a Nordex Shadow Flicker Module (SFM-V4.0) system for the N149-4.X TS 108 turbines. Details for the Vestas Shadow Flicker Control system are found in the Vestas literature in Appendix D and details for the Nordex Shadow Flicker Module are found in the Nordex literature in Appendix E.

To address the largest number of non-participating residential receptors over 30 hours per year of shadow flicker for the worst-case wind turbine being proposed (V162-6.8), Table 6-1 identifies the sixteen (16) specific wind turbines that will have the VSFC installed. These wind turbines were selected by the Applicant based on a receptor-by-receptor evaluation of the V162-6.8 shadow flicker results, as shown earlier in Table 5-3. For the N149-4.X TS 108 wind turbine or the V150-4.5 wind turbine, a smaller subset of wind turbines would be required to have shadow flicker curtailment software, as fewer non-participating residences exceed the 30-hour shadow flicker threshold. The VSFC on each wind turbine in Table 6-1 will be programmed with all periods that shadow flicker is possible (i.e. worst-case) at the thirteen (13) non-participating residential receptors modeled with over 30 hours of annual shadow flicker for the V162-6.8. Table F-1 in Appendix F identifies these possible mitigation periods, sorted by receptor and then by date for all thirteen (13) non-participating residences with the V162-6.8.

The shadow flicker curtailment software (VSFC or SFM-V4.0) will make real-time measurements of the potential for shadow flicker using light intensity sensor(s) installed on the wind turbines shown in Table 6-1. If shadow flicker is possible based on the time of day/time of year and solar/cloud conditions, and the wind turbine is operational, the shadow flicker curtailment software may shut down the respective wind turbine until shadow flicker is no longer possible. Turbine shutdown will not necessarily occur during every possible occurrence of shadow flicker. The shadow flicker curtailment software system will keep a running tally of shadow flicker time such that a total of 30 hours/year will not be exceeded at these receptors.

The mitigation method described above will limit shadow flicker to a total of no more than 30 hours/year from the respective Agricola Wind Project turbines at the identified thirteen (13) non-participating residential receptors. As noted above, to further address these locations that are currently modeled to exceed 30 hours of shadow flicker per year, the Applicant intends to conduct further shadow flicker assessments prior to the start of construction. These assessments will be based on the final Project layout and turbine model selected and will incorporate site-specific information on the visibility individual non-participating residential receptors or commercial buildings in the Town of Venice will have of those turbines with the potential to cause shadow flicker. For those non-participating residential receptors or commercial buildings in the Town of Venice that continue to exceed the 30-hour annual threshold, the Applicant intends to secure Good Neighbor Agreements (GNAs) or use the shadow flicker detection and prevention technology to curtail turbines contributing to exceedances and meet the 30-hour annual threshold. Shadow flicker durations from the Project with mitigation included at the thirteen (13) non-participating residential receptors modeled for the worst-case wind turbine being proposed (V162-6.8) are presented in Table 6-2. For reference and comparison, the durations without mitigation (from Table 5-3) are also presented. It can be seen from Table 6-2 that the shadow flicker durations at the thirteen (13) non-participating residential receptors originally above 30 hours per year with the V162-6.8 wind turbine have been reduced to no more than 30 hours per year by utilizing the VSFC on certain wind turbines. Based on a review of the results in Table 6-2 and the results in Appendix B, the maximum duration of annual shadow flicker at a non-participating residence will be 29 hours, 38 minutes (receptor 483) for the worst-case (V162-6.8) wind turbine. Therefore, the Agricola Wind Project will comply with the 30 hours per year shadow flicker limit at non-participating residences and commercial buildings in the Town of Venice.

**Table 6-1 Wind Turbines with Curtailment Software Installed – V162-6.8**

| Wind Turbine ID |
|-----------------|
| T-1             |
| T-2             |
| T-3             |
| T-4             |
| T-5             |
| T-6             |
| T-7             |
| T-8             |
| T-9             |
| T-10            |
| T-11            |
| T-12            |
| T-19            |
| T-20            |
| T-21            |
| T-23            |

**Table 6-2 Receptors over 30 hours/year – Mitigation Results (V162-6.8)**

| Modeling Receptor ID | Tax Parcel ID  | Participation Category | Annual Shadow Flicker without Mitigation (HH:MM) | Annual Shadow Flicker with Mitigation (HH:MM) |
|----------------------|----------------|------------------------|--|---|
| 480                  | 174.00-1-29.1  | Non-Participating      | 46:32  | <30:00  |
| 481                  | 174.00-1-30.1  | Non-Participating      | 68:15  | <30:00  |
| 482                  | 174.00-1-31    | Non-Participating      | 73:35  | <30:00  |
| 484                  | 174.00-1-78.12 | Non-Participating      | 49:22  | <30:00  |
| 495                  | 185.00-1-8     | Non-Participating      | 48:06  | <30:00  |
| 496                  | 186.00-1-4     | Non-Participating      | 43:50  | <30:00  |
| 610                  | 197.00-1-50.2  | Non-Participating      | 34:04  | <30:00  |
| 785                  | 174.00-1-73.1  | Non-Participating      | 43:49  | <30:00  |
| 786                  | 174.00-1-74    | Non-Participating      | 40:49  | <30:00  |
| 787                  | 185.00-1-3.2   | Non-Participating      | 37:16  | <30:00  |
| 794                  | 174.00-1-34    | Non-Participating      | 31:41  | <30:00  |
| 795                  | 174.00-1-77    | Non-Participating      | 35:37  | <30:00  |
| 839                  | 196.00-1-59.2  | Non-Participating      | 47:45  | <30:00  |

## 6.2 Responding to Complaints

The Applicant seeks to minimize shadow flicker exposure at residences in the area as much as possible, while also meeting other Project design constraints. In cases where Agricola Wind receives a shadow flicker-related complaint, it will be addressed through the Agricola Wind Project Complaint Management Plan that will follow as described in 16 NYCRR § 1100-10.2(e)(7) of the Article VIII regulations. The Applicant is committed to the following steps in response to participating residents who submit complaints for shadow flicker that are not subject to the 30-hour annual limit:

- Meet with the homeowner to determine the specifics of their complaint.
- Investigate the cause of the complaint.
- Provide the homeowner with reasonable mitigation alternatives including, as appropriate, shades, blinds, awnings, or plantings to significantly reduce the number of hours of shadow flicker inside the home.

## 7.0 CONCLUSIONS

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A shadow flicker analysis was conducted to determine the location of shadow flicker and model the duration of shadow flicker in the vicinity of the proposed Agricola Wind Project. A regulatory limit of 30 hours per year of shadow flicker at non-participating residential receptors has been established in 16 NYCRR §1100-2.9(d)(6) or commercial buildings in the Town of Venice through their 2024 Wind Energy Facilities Law. The shadow flicker modeling analysis included twenty-four (24) proposed wind turbines, and three wind turbine models: Vestas V150-4.5, Vestas V162-6.8, and Nordex N149-4.X TS108. A receptor dataset containing a total of 1,012 receptors within a 2-mile radius of any proposed wind turbine or substation was included in the analysis. All three wind turbine generators under consideration by the Applicant were analyzed using WindPRO to assess their shadow flicker impacts. The duration of shadow flicker was modeled for all receptors located within 10 times the rotor diameter of the turbine model being evaluated (the Study Area). Shadow flicker isolines were generated for the worst-case wind turbine being proposed (V162-6.8) (see Figure 5-2). However, the modeling results are inherently conservative because modeling receptors are treated as “greenhouses” (i.e., it is assumed that sunlight can enter the structure from any angle) and all of the receptors were modeled without obstacles such as vegetation or structures that could block the shadow flicker effect (“bare earth”).

The number of non-participating residences over 30 hours per year of shadow flicker for the three turbine generators ranged from 11 for the V150-4.5 wind turbine model, 13 for the V162-6.8 wind turbine model, and 11 for the N149-4.X TS108 wind turbine model. Zero exceedances over 30 hours per year of shadow flicker occurred at commercial buildings in the Town of Venice across all three turbine generators. The maximum, unmitigated annual shadow flicker impact at an individual non-participating residence (#482) for the worst-case (V162-6.8) wind turbine model is 73 hours, 18 minutes. The maximum, unmitigated annual shadow flicker impact at an individual non-participating commercial receptor in the Town of Venice (#580) for the worst-case (V162-6.8) wind turbine model is 21 hours, 13 minutes.

With respect to the worst-case (V162-6.8) 13 non-participating residential receptors over 30 hours of shadow flicker per year, compliance via the use of curtailment is obtainable, as shown in Section 6.1. Mitigation with the use of shadow flicker curtailment software, such as the VSFC with the V162-6.8, will be used on each wind turbine identified in Table 6-1. These wind turbines will be programmed with all periods that shadow flicker is possible (i.e. worst-case) at the 13 non-participating residential receptors modeled with over 30 hours of annual shadow flicker.

Ultimately, the Applicant intends to prepare an updated shadow flicker analysis once the final turbine model has been selected and the turbine layout has been finalized. The actual amount of shadow flicker that will be produced by the proposed Project will be dependent on the final number of wind turbines, the final wind turbine design layout, the final wind turbine model selected for the Project, and the visibility individual non-participating residential receptors project wide or commercial buildings in the Town of Venice will have of those turbines with the potential to cause shadow flicker. In addition, for the purposes of this report, it is assumed that all

residences located outside the Facility Site are “non-participating residences.” However, the Applicant is actively pursuing and/or has secured Good Neighbor Agreements with landowners located outside the Facility Site that may be impacted by shadow flicker (see Appendix 4-A). Therefore, many of the receptors identified in Table 6-2 may ultimately be Project participants. All these items will lay the framework for the exact amount of shadow flicker curtailment mitigation that will be needed across the Project. With curtailment mitigation, the maximum duration of annual shadow flicker will be below 30 hours/year for all non-participating residences across the Project. Therefore, the Agricola Wind Project will comply with the shadow flicker limit in 16 NYCRR §1100-2.9(d)(6) and the Town of Venice 2024 Wind Energy Facilities Law.

**Appendix A**

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**Wind Turbines in the WindPRO Model**

**Table A-1: Point Sources in the WindPro Model- Vestas V150-4.5**

| ID   | Relative Source Height | Coordinates<br>UTM NAD83 Zone 18N |            | Elevation + Source Height |
|------|------------------------|-----------------------------------|------------|---------------------------|
|      |                        |                                   |            | Z                         |
|      | (m)                    | (m)                               | (m)        | (m)                       |
| T-1  | 120                    | 371951.66                         | 4736627.17 | 452.1                     |
| T-2  | 120                    | 373240.64                         | 4736836.90 | 498.1                     |
| T-3  | 120                    | 373478.92                         | 4736366.58 | 501.1                     |
| T-4  | 120                    | 374529.73                         | 4737625.20 | 512.1                     |
| T-5  | 120                    | 374565.59                         | 4737158.51 | 517.3                     |
| T-6  | 120                    | 375264.28                         | 4736997.71 | 514.0                     |
| T-7  | 120                    | 374661.26                         | 4736550.20 | 523.0                     |
| T-8  | 120                    | 374746.05                         | 4735963.12 | 523.0                     |
| T-9  | 120                    | 374717.94                         | 4735141.02 | 523.8                     |
| T-10 | 120                    | 375651.84                         | 4735877.69 | 523.6                     |
| T-11 | 120                    | 375476.35                         | 4735262.04 | 532.0                     |
| T-12 | 120                    | 377211.26                         | 4735010.34 | 505.0                     |
| T-13 | 120                    | 373730.13                         | 4734536.81 | 481.0                     |
| T-14 | 120                    | 373165.16                         | 4734164.55 | 472.0                     |
| T-15 | 120                    | 373700.21                         | 4733707.10 | 476.6                     |
| T-16 | 120                    | 375281.68                         | 4734240.44 | 528.3                     |
| T-17 | 120                    | 375682.28                         | 4733807.24 | 532.0                     |
| T-18 | 120                    | 377688.60                         | 4733610.84 | 526.0                     |
| T-19 | 120                    | 376564.09                         | 4731917.12 | 530.2                     |
| T-20 | 120                    | 376065.10                         | 4732459.42 | 528.8                     |
| T-21 | 120                    | 375954.11                         | 4731784.90 | 512.0                     |
| T-22 | 120                    | 375084.26                         | 4732179.39 | 491.3                     |
| T-23 | 120                    | 374353.79                         | 4732088.58 | 486.3                     |
| T-24 | 120                    | 373667.73                         | 4730958.18 | 445.0                     |

**Table A-2: Point Sources in the WindPro Model- Vestas V162-6.8**

| ID   | Relative Source Height | Coordinates<br>UTM NAD83 Zone 18N |            | Elevation + Source Height |
|------|------------------------|-----------------------------------|------------|---------------------------|
|      |                        |                                   |            | Z                         |
|      | (m)                    | (m)                               | (m)        | (m)                       |
| T-1  | 119                    | 371951.66                         | 4736627.17 | 451.1                     |
| T-2  | 119                    | 373240.64                         | 4736836.90 | 497.1                     |
| T-3  | 119                    | 373478.92                         | 4736366.58 | 500.1                     |
| T-4  | 119                    | 374529.73                         | 4737625.20 | 511.1                     |
| T-5  | 119                    | 374565.59                         | 4737158.51 | 516.3                     |
| T-6  | 119                    | 375264.28                         | 4736997.71 | 513.0                     |
| T-7  | 119                    | 374661.26                         | 4736550.20 | 522.0                     |
| T-8  | 119                    | 374746.05                         | 4735963.12 | 522.0                     |
| T-9  | 119                    | 374717.94                         | 4735141.02 | 522.8                     |
| T-10 | 119                    | 375651.84                         | 4735877.69 | 522.6                     |
| T-11 | 119                    | 375476.35                         | 4735262.04 | 531.0                     |
| T-12 | 119                    | 377211.26                         | 4735010.34 | 504.0                     |
| T-13 | 119                    | 373730.13                         | 4734536.81 | 480.0                     |
| T-14 | 119                    | 373165.16                         | 4734164.55 | 471.0                     |
| T-15 | 119                    | 373700.21                         | 4733707.10 | 475.6                     |
| T-16 | 119                    | 375281.68                         | 4734240.44 | 527.3                     |
| T-17 | 119                    | 375682.28                         | 4733807.24 | 531.0                     |
| T-18 | 119                    | 377688.60                         | 4733610.84 | 525.0                     |
| T-19 | 119                    | 376564.09                         | 4731917.12 | 529.2                     |
| T-20 | 119                    | 376065.10                         | 4732459.42 | 527.8                     |
| T-21 | 119                    | 375954.11                         | 4731784.90 | 511.0                     |
| T-22 | 119                    | 375084.26                         | 4732179.39 | 490.3                     |
| T-23 | 119                    | 374353.79                         | 4732088.58 | 485.3                     |
| T-24 | 119                    | 373667.73                         | 4730958.18 | 444.0                     |

**Table A-3: Point Sources in the WindPro Model- Nordex N149-4.X TS 108**

| ID   | Relative Source Height | Coordinates<br>UTM NAD83 Zone 18N |            | Elevation + Source Height |
|------|------------------------|-----------------------------------|------------|---------------------------|
|      |                        |                                   |            | Z                         |
|      | (m)                    | (m)                               | (m)        | (m)                       |
| T-1  | 108                    | 371951.66                         | 4736627.17 | 440.1                     |
| T-2  | 108                    | 373240.64                         | 4736836.90 | 486.1                     |
| T-3  | 108                    | 373478.92                         | 4736366.58 | 489.1                     |
| T-4  | 108                    | 374529.73                         | 4737625.20 | 500.1                     |
| T-5  | 108                    | 374565.59                         | 4737158.51 | 505.3                     |
| T-6  | 108                    | 375264.28                         | 4736997.71 | 502.0                     |
| T-7  | 108                    | 374661.26                         | 4736550.20 | 511.0                     |
| T-8  | 108                    | 374746.05                         | 4735963.12 | 511.0                     |
| T-9  | 108                    | 374717.94                         | 4735141.02 | 511.8                     |
| T-10 | 108                    | 375651.84                         | 4735877.69 | 511.6                     |
| T-11 | 108                    | 375476.35                         | 4735262.04 | 520.0                     |
| T-12 | 108                    | 377211.26                         | 4735010.34 | 493.0                     |
| T-13 | 108                    | 373730.13                         | 4734536.81 | 469.0                     |
| T-14 | 108                    | 373165.16                         | 4734164.55 | 460.0                     |
| T-15 | 108                    | 373700.21                         | 4733707.10 | 464.6                     |
| T-16 | 108                    | 375281.68                         | 4734240.44 | 516.3                     |
| T-17 | 108                    | 375682.28                         | 4733807.24 | 520.0                     |
| T-18 | 108                    | 377688.60                         | 4733610.84 | 514.0                     |
| T-19 | 108                    | 376564.09                         | 4731917.12 | 518.2                     |
| T-20 | 108                    | 376065.10                         | 4732459.42 | 516.8                     |
| T-21 | 108                    | 375954.11                         | 4731784.90 | 500.0                     |
| T-22 | 108                    | 375084.26                         | 4732179.39 | 479.3                     |
| T-23 | 108                    | 374353.79                         | 4732088.58 | 474.3                     |
| T-24 | 108                    | 373667.73                         | 4730958.18 | 433.0                     |

**Appendix B**

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**Shadow Flicker Modeling Results - Annual: Discrete Points**

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1                    | Year-Round Residence | Non-Participating    | Moravia | 380974.40                          | 4734987.20 | 0:00  | 0   | 0:00  | 0   |
| 2                    | Year-Round Residence | Non-Participating    | Moravia | 380866.90                          | 4735289.63 | 0:00  | 0   | 0:00  | 0   |
| 3                    | Year-Round Residence | Non-Participating    | Moravia | 380726.27                          | 4734798.67 | 0:00  | 0   | 0:00  | 0   |
| 4                    | Year-Round Residence | Non-Participating    | Moravia | 380624.96                          | 4734950.66 | 0:00  | 0   | 0:00  | 0   |
| 6                    | Year-Round Residence | Non-Participating    | Moravia | 380537.85                          | 4734925.23 | 0:00  | 0   | 0:00  | 0   |
| 7                    | Year-Round Residence | Non-Participating    | Moravia | 380547.46                          | 4734933.18 | 0:00  | 0   | 0:00  | 0   |
| 8                    | Year-Round Residence | Non-Participating    | Moravia | 380553.11                          | 4734942.62 | 0:00  | 0   | 0:00  | 0   |
| 9                    | Year-Round Residence | Non-Participating    | Moravia | 380582.31                          | 4734927.07 | 0:00  | 0   | 0:00  | 0   |
| 10                   | Year-Round Residence | Non-Participating    | Moravia | 380567.76                          | 4734956.07 | 0:00  | 0   | 0:00  | 0   |
| 11                   | Year-Round Residence | Non-Participating    | Moravia | 380572.90                          | 4734963.10 | 0:00  | 0   | 0:00  | 0   |
| 12                   | Year-Round Residence | Non-Participating    | Moravia | 380576.24                          | 4734975.92 | 0:00  | 0   | 0:00  | 0   |
| 13                   | Seasonal Residence   | Non-Participating    | Moravia | 380570.92                          | 4734986.10 | 0:00  | 0   | 0:00  | 0   |
| 14                   | Seasonal Residence   | Non-Participating    | Moravia | 380567.08                          | 4734995.75 | 0:00  | 0   | 0:00  | 0   |
| 15                   | Year-Round Residence | Non-Participating    | Moravia | 380593.56                          | 4735013.77 | 0:00  | 0   | 0:00  | 0   |
| 16                   | Year-Round Residence | Non-Participating    | Moravia | 380568.28                          | 4735012.37 | 0:00  | 0   | 0:00  | 0   |
| 17                   | Year-Round Residence | Non-Participating    | Moravia | 380562.57                          | 4735031.51 | 0:00  | 0   | 0:00  | 0   |
| 18                   | Year-Round Residence | Non-Participating    | Moravia | 380573.23                          | 4735050.34 | 0:00  | 0   | 0:00  | 0   |
| 19                   | Year-Round Residence | Non-Participating    | Moravia | 380560.66                          | 4735048.28 | 0:00  | 0   | 0:00  | 0   |
| 20                   | Year-Round Residence | Non-Participating    | Moravia | 380557.29                          | 4735062.90 | 0:00  | 0   | 0:00  | 0   |
| 21                   | Year-Round Residence | Non-Participating    | Moravia | 380548.67                          | 4735085.11 | 0:00  | 0   | 0:00  | 0   |
| 22                   | Year-Round Residence | Non-Participating    | Moravia | 380547.61                          | 4735094.12 | 0:00  | 0   | 0:00  | 0   |
| 23                   | Year-Round Residence | Non-Participating    | Moravia | 380544.01                          | 4735102.22 | 0:00  | 0   | 0:00  | 0   |
| 24                   | Year-Round Residence | Non-Participating    | Moravia | 380536.88                          | 4735124.05 | 0:00  | 0   | 0:00  | 0   |
| 25                   | Seasonal Residence   | Non-Participating    | Moravia | 380525.89                          | 4735150.27 | 0:00  | 0   | 0:00  | 0   |
| 26                   | Year-Round Residence | Non-Participating    | Moravia | 380507.58                          | 4735175.30 | 0:00  | 0   | 0:00  | 0   |
| 27                   | Year-Round Residence | Non-Participating    | Moravia | 380503.51                          | 4735214.08 | 0:00  | 0   | 0:00  | 0   |
| 28                   | Seasonal Residence   | Non-Participating    | Moravia | 380476.39                          | 4735232.72 | 0:00  | 0   | 0:00  | 0   |
| 29                   | Seasonal Residence   | Non-Participating    | Moravia | 380452.56                          | 4735265.42 | 0:00  | 0   | 0:00  | 0   |
| 30                   | Seasonal Residence   | Non-Participating    | Moravia | 380454.20                          | 4735294.37 | 0:00  | 0   | 0:00  | 0   |
| 31                   | Year-Round Residence | Non-Participating    | Moravia | 380448.90                          | 4735308.55 | 0:00  | 0   | 0:00  | 0   |
| 32                   | Seasonal Residence   | Non-Participating    | Moravia | 380438.27                          | 4735350.68 | 0:00  | 0   | 0:00  | 0   |
| 33                   | Year-Round Residence | Non-Participating    | Moravia | 380427.86                          | 4735386.06 | 0:00  | 0   | 0:00  | 0   |
| 34                   | Seasonal Residence   | Non-Participating    | Moravia | 380416.84                          | 4735409.35 | 0:00  | 0   | 0:00  | 0   |
| 35                   | Year-Round Residence | Non-Participating    | Moravia | 380403.13                          | 4735435.60 | 0:00  | 0   | 0:00  | 0   |
| 36                   | Year-Round Residence | Non-Participating    | Moravia | 380441.80                          | 4735458.07 | 0:00  | 0   | 0:00  | 0   |
| 37                   | Seasonal Residence   | Non-Participating    | Moravia | 380400.33                          | 4735455.33 | 0:00  | 0   | 0:00  | 0   |
| 38                   | Seasonal Residence   | Non-Participating    | Moravia | 380359.45                          | 4735490.94 | 0:00  | 0   | 0:00  | 0   |
| 39                   | Seasonal Residence   | Non-Participating    | Moravia | 380341.03                          | 4735540.39 | 0:00  | 0   | 0:00  | 0   |
| 40                   | Seasonal Residence   | Non-Participating    | Moravia | 380302.92                          | 4735618.66 | 0:00  | 0   | 0:00  | 0   |
| 41                   | Seasonal Residence   | Non-Participating    | Moravia | 380283.76                          | 4735645.23 | 0:00  | 0   | 0:00  | 0   |
| 42                   | Seasonal Residence   | Non-Participating    | Moravia | 380267.66                          | 4735669.56 | 0:00  | 0   | 0:00  | 0   |
| 43                   | Seasonal Residence   | Non-Participating    | Moravia | 380313.47                          | 4735656.03 | 0:00  | 0   | 0:00  | 0   |
| 44                   | Seasonal Residence   | Non-Participating    | Moravia | 380261.87                          | 4735692.34 | 0:00  | 0   | 0:00  | 0   |
| 45                   | Year-Round Residence | Non-Participating    | Moravia | 380291.46                          | 4735887.00 | 0:00  | 0   | 0:00  | 0   |
| 46                   | Seasonal Residence   | Non-Participating    | Moravia | 380204.11                          | 4735858.86 | 0:00  | 0   | 0:00  | 0   |
| 47                   | Year-Round Residence | Non-Participating    | Moravia | 380146.65                          | 4735902.72 | 0:00  | 0   | 0:00  | 0   |
| 48                   | Year-Round Residence | Non-Participating    | Moravia | 380117.68                          | 4735922.82 | 0:00  | 0   | 0:00  | 0   |
| 49                   | Year-Round Residence | Non-Participating    | Moravia | 380121.95                          | 4735957.09 | 0:00  | 0   | 0:00  | 0   |
| 50                   | Year-Round Residence | Non-Participating    | Moravia | 380097.52                          | 4735965.78 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 51                   | Seasonal Residence   | Non-Participating    | Moravia | 380098.40                          | 4735979.46 | 0:00  | 0   | 0:00  | 0   |
| 52                   | Year-Round Residence | Non-Participating    | Moravia | 380100.13                          | 4735992.83 | 0:00  | 0   | 0:00  | 0   |
| 53                   | Year-Round Residence | Non-Participating    | Moravia | 380098.09                          | 4736004.03 | 0:00  | 0   | 0:00  | 0   |
| 54                   | Year-Round Residence | Non-Participating    | Moravia | 380104.10                          | 4736012.71 | 0:00  | 0   | 0:00  | 0   |
| 55                   | Seasonal Residence   | Non-Participating    | Moravia | 380099.82                          | 4736020.13 | 0:00  | 0   | 0:00  | 0   |
| 56                   | Seasonal Residence   | Non-Participating    | Moravia | 380096.62                          | 4736028.20 | 0:00  | 0   | 0:00  | 0   |
| 57                   | Seasonal Residence   | Non-Participating    | Moravia | 380088.71                          | 4736035.37 | 0:00  | 0   | 0:00  | 0   |
| 58                   | Year-Round Residence | Non-Participating    | Moravia | 380080.51                          | 4736043.16 | 0:00  | 0   | 0:00  | 0   |
| 59                   | Year-Round Residence | Non-Participating    | Moravia | 380072.76                          | 4736049.57 | 0:00  | 0   | 0:00  | 0   |
| 60                   | Year-Round Residence | Non-Participating    | Moravia | 380059.06                          | 4736055.81 | 0:00  | 0   | 0:00  | 0   |
| 61                   | Seasonal Residence   | Non-Participating    | Moravia | 380049.43                          | 4736062.66 | 0:00  | 0   | 0:00  | 0   |
| 62                   | Seasonal Residence   | Non-Participating    | Moravia | 380043.45                          | 4736067.58 | 0:00  | 0   | 0:00  | 0   |
| 63                   | Seasonal Residence   | Non-Participating    | Moravia | 380032.66                          | 4736069.73 | 0:00  | 0   | 0:00  | 0   |
| 64                   | Seasonal Residence   | Non-Participating    | Moravia | 380024.81                          | 4736074.84 | 0:00  | 0   | 0:00  | 0   |
| 65                   | Year-Round Residence | Non-Participating    | Moravia | 380015.17                          | 4736084.39 | 0:00  | 0   | 0:00  | 0   |
| 66                   | Year-Round Residence | Non-Participating    | Moravia | 380007.45                          | 4736094.17 | 0:00  | 0   | 0:00  | 0   |
| 67                   | Seasonal Residence   | Non-Participating    | Moravia | 379998.32                          | 4736103.01 | 0:00  | 0   | 0:00  | 0   |
| 68                   | Seasonal Residence   | Non-Participating    | Moravia | 380015.51                          | 4736109.61 | 0:00  | 0   | 0:00  | 0   |
| 69                   | Seasonal Residence   | Non-Participating    | Moravia | 379991.31                          | 4736114.99 | 0:00  | 0   | 0:00  | 0   |
| 70                   | Seasonal Residence   | Non-Participating    | Moravia | 379986.33                          | 4736126.88 | 0:00  | 0   | 0:00  | 0   |
| 71                   | Year-Round Residence | Non-Participating    | Moravia | 379982.47                          | 4736138.54 | 0:00  | 0   | 0:00  | 0   |
| 72                   | Year-Round Residence | Non-Participating    | Moravia | 379981.33                          | 4736153.64 | 0:00  | 0   | 0:00  | 0   |
| 73                   | Seasonal Residence   | Non-Participating    | Moravia | 379977.63                          | 4736166.10 | 0:00  | 0   | 0:00  | 0   |
| 74                   | Seasonal Residence   | Non-Participating    | Moravia | 379973.78                          | 4736180.45 | 0:00  | 0   | 0:00  | 0   |
| 75                   | Seasonal Residence   | Non-Participating    | Moravia | 379952.77                          | 4736181.44 | 0:00  | 0   | 0:00  | 0   |
| 76                   | Year-Round Residence | Non-Participating    | Moravia | 379945.83                          | 4736193.47 | 0:00  | 0   | 0:00  | 0   |
| 77                   | Year-Round Residence | Non-Participating    | Moravia | 379933.66                          | 4736200.40 | 0:00  | 0   | 0:00  | 0   |
| 78                   | Seasonal Residence   | Non-Participating    | Moravia | 379925.74                          | 4736215.20 | 0:00  | 0   | 0:00  | 0   |
| 79                   | Year-Round Residence | Non-Participating    | Moravia | 379912.23                          | 4736227.16 | 0:00  | 0   | 0:00  | 0   |
| 80                   | Year-Round Residence | Non-Participating    | Moravia | 379934.79                          | 4736242.85 | 0:00  | 0   | 0:00  | 0   |
| 81                   | Year-Round Residence | Non-Participating    | Moravia | 379904.07                          | 4736245.60 | 0:00  | 0   | 0:00  | 0   |
| 82                   | Seasonal Residence   | Non-Participating    | Moravia | 379896.48                          | 4736262.60 | 0:00  | 0   | 0:00  | 0   |
| 83                   | Seasonal Residence   | Non-Participating    | Moravia | 379893.42                          | 4736276.99 | 0:00  | 0   | 0:00  | 0   |
| 84                   | Year-Round Residence | Non-Participating    | Moravia | 379889.83                          | 4736293.05 | 0:00  | 0   | 0:00  | 0   |
| 85                   | Year-Round Residence | Non-Participating    | Moravia | 379883.55                          | 4736307.31 | 0:00  | 0   | 0:00  | 0   |
| 86                   | Year-Round Residence | Non-Participating    | Moravia | 379876.46                          | 4736318.86 | 0:00  | 0   | 0:00  | 0   |
| 87                   | Seasonal Residence   | Non-Participating    | Moravia | 379872.06                          | 4736332.18 | 0:00  | 0   | 0:00  | 0   |
| 88                   | Seasonal Residence   | Non-Participating    | Moravia | 379867.88                          | 4736348.13 | 0:00  | 0   | 0:00  | 0   |
| 89                   | Seasonal Residence   | Non-Participating    | Moravia | 379865.15                          | 4736361.94 | 0:00  | 0   | 0:00  | 0   |
| 90                   | Seasonal Residence   | Non-Participating    | Moravia | 379862.44                          | 4736373.56 | 0:00  | 0   | 0:00  | 0   |
| 91                   | Seasonal Residence   | Non-Participating    | Moravia | 379860.53                          | 4736383.43 | 0:00  | 0   | 0:00  | 0   |
| 92                   | Seasonal Residence   | Non-Participating    | Moravia | 379858.57                          | 4736393.35 | 0:00  | 0   | 0:00  | 0   |
| 93                   | Year-Round Residence | Non-Participating    | Moravia | 379853.41                          | 4736406.22 | 0:00  | 0   | 0:00  | 0   |
| 94                   | Seasonal Residence   | Non-Participating    | Moravia | 379851.04                          | 4736418.93 | 0:00  | 0   | 0:00  | 0   |
| 95                   | Seasonal Residence   | Non-Participating    | Moravia | 379855.16                          | 4736427.29 | 0:00  | 0   | 0:00  | 0   |
| 96                   | Year-Round Residence | Non-Participating    | Moravia | 379859.78                          | 4736436.88 | 0:00  | 0   | 0:00  | 0   |
| 97                   | Seasonal Residence   | Non-Participating    | Moravia | 379866.18                          | 4736464.61 | 0:00  | 0   | 0:00  | 0   |
| 98                   | Seasonal Residence   | Non-Participating    | Moravia | 379881.57                          | 4736473.40 | 0:00  | 0   | 0:00  | 0   |
| 99                   | Seasonal Residence   | Non-Participating    | Moravia | 379887.71                          | 4736482.06 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 100                  | Year-Round Residence | Non-Participating    | Moravia | 379896.49                          | 4736490.13 | 0:00  | 0   | 0:00  | 0   |
| 101                  | Seasonal Residence   | Non-Participating    | Moravia | 379905.23                          | 4736503.72 | 0:00  | 0   | 0:00  | 0   |
| 102                  | Seasonal Residence   | Non-Participating    | Moravia | 379916.65                          | 4736513.61 | 0:00  | 0   | 0:00  | 0   |
| 103                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.41                          | 4736521.19 | 0:00  | 0   | 0:00  | 0   |
| 104                  | Year-Round Residence | Non-Participating    | Moravia | 379939.72                          | 4736532.77 | 0:00  | 0   | 0:00  | 0   |
| 105                  | Year-Round Residence | Non-Participating    | Moravia | 379943.83                          | 4736554.70 | 0:00  | 0   | 0:00  | 0   |
| 106                  | Seasonal Residence   | Non-Participating    | Moravia | 379946.39                          | 4736578.38 | 0:00  | 0   | 0:00  | 0   |
| 107                  | Year-Round Residence | Non-Participating    | Moravia | 379908.79                          | 4736729.99 | 0:00  | 0   | 0:00  | 0   |
| 108                  | Year-Round Residence | Non-Participating    | Moravia | 379913.37                          | 4736705.87 | 0:00  | 0   | 0:00  | 0   |
| 109                  | Year-Round Residence | Non-Participating    | Moravia | 379874.96                          | 4736793.65 | 0:00  | 0   | 0:00  | 0   |
| 110                  | Year-Round Residence | Non-Participating    | Moravia | 379847.60                          | 4736862.71 | 0:00  | 0   | 0:00  | 0   |
| 111                  | Year-Round Residence | Non-Participating    | Moravia | 379835.70                          | 4736880.42 | 0:00  | 0   | 0:00  | 0   |
| 112                  | Year-Round Residence | Non-Participating    | Moravia | 379841.25                          | 4736922.72 | 0:00  | 0   | 0:00  | 0   |
| 113                  | Year-Round Residence | Non-Participating    | Moravia | 379793.03                          | 4736984.92 | 0:00  | 0   | 0:00  | 0   |
| 114                  | Year-Round Residence | Non-Participating    | Moravia | 379764.76                          | 4737017.63 | 0:00  | 0   | 0:00  | 0   |
| 115                  | Year-Round Residence | Non-Participating    | Moravia | 379719.73                          | 4737122.89 | 0:00  | 0   | 0:00  | 0   |
| 116                  | Year-Round Residence | Non-Participating    | Moravia | 379689.44                          | 4737191.52 | 0:00  | 0   | 0:00  | 0   |
| 117                  | Year-Round Residence | Non-Participating    | Moravia | 379665.82                          | 4737201.12 | 0:00  | 0   | 0:00  | 0   |
| 118                  | Year-Round Residence | Non-Participating    | Moravia | 379666.62                          | 4737222.05 | 0:00  | 0   | 0:00  | 0   |
| 119                  | Year-Round Residence | Non-Participating    | Moravia | 379739.15                          | 4737235.91 | 0:00  | 0   | 0:00  | 0   |
| 120                  | Year-Round Residence | Non-Participating    | Moravia | 379673.87                          | 4737313.71 | 0:00  | 0   | 0:00  | 0   |
| 121                  | Year-Round Residence | Non-Participating    | Moravia | 379609.87                          | 4737321.66 | 0:00  | 0   | 0:00  | 0   |
| 122                  | Year-Round Residence | Non-Participating    | Moravia | 379574.35                          | 4737345.38 | 0:00  | 0   | 0:00  | 0   |
| 123                  | Year-Round Residence | Non-Participating    | Moravia | 379587.31                          | 4737376.91 | 0:00  | 0   | 0:00  | 0   |
| 124                  | Year-Round Residence | Non-Participating    | Moravia | 379556.81                          | 4737418.00 | 0:00  | 0   | 0:00  | 0   |
| 125                  | Year-Round Residence | Non-Participating    | Moravia | 379540.04                          | 4737445.68 | 0:00  | 0   | 0:00  | 0   |
| 126                  | Seasonal Residence   | Non-Participating    | Moravia | 379538.51                          | 4737487.34 | 0:00  | 0   | 0:00  | 0   |
| 127                  | Seasonal Residence   | Non-Participating    | Moravia | 379522.84                          | 4737537.82 | 0:00  | 0   | 0:00  | 0   |
| 128                  | Year-Round Residence | Non-Participating    | Moravia | 380393.70                          | 4733367.74 | 0:00  | 0   | 0:00  | 0   |
| 129                  | Year-Round Residence | Non-Participating    | Venice  | 379601.66                          | 4734355.41 | 0:00  | 0   | 0:00  | 0   |
| 130                  | Year-Round Residence | Non-Participating    | Venice  | 379553.27                          | 4734436.52 | 0:00  | 0   | 0:00  | 0   |
| 131                  | Year-Round Residence | Non-Participating    | Venice  | 379521.53                          | 4734497.17 | 0:00  | 0   | 0:00  | 0   |
| 132                  | Year-Round Residence | Non-Participating    | Venice  | 379526.21                          | 4734581.83 | 0:00  | 0   | 0:00  | 0   |
| 133                  | Year-Round Residence | Non-Participating    | Venice  | 379520.61                          | 4734591.42 | 0:00  | 0   | 0:00  | 0   |
| 134                  | Year-Round Residence | Non-Participating    | Venice  | 379499.97                          | 4734639.42 | 0:00  | 0   | 0:00  | 0   |
| 135                  | Year-Round Residence | Non-Participating    | Venice  | 379503.53                          | 4734689.79 | 0:00  | 0   | 0:00  | 0   |
| 136                  | Year-Round Residence | Non-Participating    | Venice  | 379509.85                          | 4734704.74 | 0:00  | 0   | 0:00  | 0   |
| 137                  | Year-Round Residence | Non-Participating    | Venice  | 379505.21                          | 4734718.32 | 0:00  | 0   | 0:00  | 0   |
| 138                  | Year-Round Residence | Non-Participating    | Venice  | 379480.77                          | 4734715.83 | 0:00  | 0   | 0:00  | 0   |
| 139                  | Year-Round Residence | Non-Participating    | Venice  | 379466.85                          | 4734716.96 | 0:00  | 0   | 0:00  | 0   |
| 140                  | Year-Round Residence | Non-Participating    | Venice  | 379444.20                          | 4734721.42 | 0:00  | 0   | 0:00  | 0   |
| 141                  | Year-Round Residence | Non-Participating    | Venice  | 379450.28                          | 4734742.87 | 0:00  | 0   | 0:00  | 0   |
| 142                  | Year-Round Residence | Non-Participating    | Venice  | 379465.79                          | 4734740.55 | 0:00  | 0   | 0:00  | 0   |
| 143                  | Year-Round Residence | Non-Participating    | Venice  | 379482.64                          | 4734759.89 | 0:00  | 0   | 0:00  | 0   |
| 144                  | Year-Round Residence | Non-Participating    | Venice  | 379495.37                          | 4734767.84 | 0:00  | 0   | 0:00  | 0   |
| 145                  | Year-Round Residence | Non-Participating    | Venice  | 379464.26                          | 4734778.19 | 0:00  | 0   | 0:00  | 0   |
| 146                  | Year-Round Residence | Non-Participating    | Venice  | 379450.97                          | 4734772.70 | 0:00  | 0   | 0:00  | 0   |
| 147                  | Year-Round Residence | Non-Participating    | Venice  | 379436.69                          | 4734771.16 | 0:00  | 0   | 0:00  | 0   |
| 148                  | Year-Round Residence | Non-Participating    | Venice  | 379383.59                          | 4734788.93 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 149                  | Year-Round Residence | Non-Participating    | Venice  | 379320.63                          | 4734871.09 | 0:00  | 0   | 0:00  | 0   |
| 150                  | Year-Round Residence | Non-Participating    | Venice  | 379330.09                          | 4734900.60 | 0:00  | 0   | 0:00  | 0   |
| 151                  | Year-Round Residence | Non-Participating    | Venice  | 379299.41                          | 4735030.46 | 0:00  | 0   | 0:00  | 0   |
| 152                  | Year-Round Residence | Non-Participating    | Venice  | 379296.10                          | 4735041.99 | 0:00  | 0   | 0:00  | 0   |
| 153                  | Year-Round Residence | Non-Participating    | Venice  | 379295.49                          | 4735049.39 | 0:00  | 0   | 0:00  | 0   |
| 154                  | Year-Round Residence | Non-Participating    | Venice  | 379294.02                          | 4735058.51 | 0:00  | 0   | 0:00  | 0   |
| 155                  | Year-Round Residence | Non-Participating    | Venice  | 379285.35                          | 4735066.50 | 0:00  | 0   | 0:00  | 0   |
| 156                  | Year-Round Residence | Non-Participating    | Venice  | 379260.90                          | 4735095.33 | 0:00  | 0   | 0:00  | 0   |
| 157                  | Year-Round Residence | Non-Participating    | Venice  | 379195.43                          | 4735133.47 | 0:00  | 0   | 0:00  | 0   |
| 158                  | Year-Round Residence | Non-Participating    | Venice  | 379227.11                          | 4735143.52 | 0:00  | 0   | 0:00  | 0   |
| 159                  | Year-Round Residence | Non-Participating    | Venice  | 379169.61                          | 4735261.41 | 0:00  | 0   | 0:00  | 0   |
| 160                  | Year-Round Residence | Non-Participating    | Venice  | 379136.78                          | 4734833.48 | 0:00  | 0   | 0:00  | 0   |
| 161                  | Year-Round Residence | Non-Participating    | Scipio  | 379078.40                          | 4735389.22 | 0:00  | 0   | 0:00  | 0   |
| 162                  | Year-Round Residence | Non-Participating    | Scipio  | 378932.36                          | 4735361.36 | 0:00  | 0   | 0:00  | 0   |
| 163                  | Year-Round Residence | Non-Participating    | Scipio  | 379062.92                          | 4735417.23 | 0:00  | 0   | 0:00  | 0   |
| 164                  | Year-Round Residence | Non-Participating    | Scipio  | 379007.15                          | 4735665.70 | 0:00  | 0   | 0:00  | 0   |
| 165                  | Year-Round Residence | Non-Participating    | Scipio  | 378991.68                          | 4735691.18 | 0:00  | 0   | 0:00  | 0   |
| 166                  | Year-Round Residence | Non-Participating    | Scipio  | 378845.96                          | 4735938.38 | 0:00  | 0   | 0:00  | 0   |
| 167                  | Year-Round Residence | Non-Participating    | Scipio  | 378862.50                          | 4735907.77 | 0:00  | 0   | 0:00  | 0   |
| 168                  | Year-Round Residence | Non-Participating    | Scipio  | 378784.98                          | 4736197.60 | 0:00  | 0   | 0:00  | 0   |
| 169                  | Year-Round Residence | Non-Participating    | Scipio  | 378808.17                          | 4736194.21 | 0:00  | 0   | 0:00  | 0   |
| 170                  | Year-Round Residence | Non-Participating    | Scipio  | 378823.26                          | 4736180.99 | 0:00  | 0   | 0:00  | 0   |
| 171                  | Year-Round Residence | Non-Participating    | Scipio  | 378827.78                          | 4736164.41 | 0:00  | 0   | 0:00  | 0   |
| 172                  | Year-Round Residence | Non-Participating    | Scipio  | 378821.67                          | 4736142.81 | 0:00  | 0   | 0:00  | 0   |
| 173                  | Year-Round Residence | Non-Participating    | Scipio  | 378805.48                          | 4736110.70 | 0:00  | 0   | 0:00  | 0   |
| 174                  | Year-Round Residence | Non-Participating    | Scipio  | 378826.72                          | 4736080.44 | 0:00  | 0   | 0:00  | 0   |
| 175                  | Year-Round Residence | Non-Participating    | Scipio  | 378830.65                          | 4736050.08 | 0:00  | 0   | 0:00  | 0   |
| 176                  | Year-Round Residence | Non-Participating    | Scipio  | 378836.78                          | 4736024.41 | 0:00  | 0   | 0:00  | 0   |
| 177                  | Year-Round Residence | Non-Participating    | Scipio  | 378846.89                          | 4736005.63 | 0:00  | 0   | 0:00  | 0   |
| 178                  | Year-Round Residence | Non-Participating    | Scipio  | 378796.76                          | 4736027.98 | 0:00  | 0   | 0:00  | 0   |
| 179                  | Year-Round Residence | Non-Participating    | Scipio  | 378706.10                          | 4736245.01 | 0:00  | 0   | 0:00  | 0   |
| 180                  | Year-Round Residence | Non-Participating    | Scipio  | 378683.89                          | 4736266.78 | 0:00  | 0   | 0:00  | 0   |
| 181                  | Year-Round Residence | Non-Participating    | Scipio  | 378668.08                          | 4736317.93 | 0:00  | 0   | 0:00  | 0   |
| 182                  | Year-Round Residence | Non-Participating    | Scipio  | 378637.04                          | 4736373.84 | 0:00  | 0   | 0:00  | 0   |
| 183                  | Year-Round Residence | Non-Participating    | Scipio  | 378586.39                          | 4736417.38 | 0:00  | 0   | 0:00  | 0   |
| 184                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.86                          | 4736562.25 | 0:00  | 0   | 0:00  | 0   |
| 185                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.64                          | 4736673.79 | 0:00  | 0   | 0:00  | 0   |
| 186                  | Year-Round Residence | Non-Participating    | Scipio  | 378496.15                          | 4736716.62 | 0:00  | 0   | 0:00  | 0   |
| 187                  | Year-Round Residence | Non-Participating    | Scipio  | 378184.28                          | 4737400.63 | 0:00  | 0   | 0:00  | 0   |
| 188                  | Year-Round Residence | Non-Participating    | Scipio  | 378098.48                          | 4737428.21 | 0:00  | 0   | 0:00  | 0   |
| 189                  | Seasonal Residence   | Non-Participating    | Moravia | 380262.66                          | 4735720.44 | 0:00  | 0   | 0:00  | 0   |
| 190                  | Seasonal Residence   | Non-Participating    | Moravia | 380249.36                          | 4735707.15 | 0:00  | 0   | 0:00  | 0   |
| 191                  | Seasonal Residence   | Non-Participating    | Moravia | 380255.65                          | 4735757.88 | 0:00  | 0   | 0:00  | 0   |
| 192                  | Seasonal Residence   | Non-Participating    | Moravia | 380227.61                          | 4735806.08 | 0:00  | 0   | 0:00  | 0   |
| 193                  | Seasonal Residence   | Non-Participating    | Moravia | 379931.83                          | 4736590.10 | 0:00  | 0   | 0:00  | 0   |
| 194                  | Seasonal Residence   | Non-Participating    | Moravia | 379942.36                          | 4736616.30 | 0:00  | 0   | 0:00  | 0   |
| 195                  | Seasonal Residence   | Non-Participating    | Moravia | 379934.71                          | 4736636.42 | 0:00  | 0   | 0:00  | 0   |
| 196                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.33                          | 4736651.23 | 0:00  | 0   | 0:00  | 0   |
| 197                  | Seasonal Residence   | Non-Participating    | Moravia | 379907.88                          | 4736676.63 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 198                  | Seasonal Residence   | Non-Participating    | Moravia | 379901.53                          | 4736770.98 | 0:00  | 0   | 0:00  | 0   |
| 199                  | Seasonal Residence   | Non-Participating    | Moravia | 379874.80                          | 4736813.17 | 0:00  | 0   | 0:00  | 0   |
| 200                  | Seasonal Residence   | Non-Participating    | Moravia | 379862.22                          | 4736838.61 | 0:00  | 0   | 0:00  | 0   |
| 201                  | Seasonal Residence   | Non-Participating    | Moravia | 379810.54                          | 4736949.11 | 0:00  | 0   | 0:00  | 0   |
| 202                  | Seasonal Residence   | Non-Participating    | Moravia | 379754.81                          | 4737062.03 | 0:00  | 0   | 0:00  | 0   |
| 203                  | Seasonal Residence   | Non-Participating    | Moravia | 379738.10                          | 4737086.35 | 0:00  | 0   | 0:00  | 0   |
| 204                  | Seasonal Residence   | Non-Participating    | Moravia | 379747.11                          | 4737112.68 | 0:00  | 0   | 0:00  | 0   |
| 205                  | Seasonal Residence   | Non-Participating    | Moravia | 379697.70                          | 4737132.04 | 0:00  | 0   | 0:00  | 0   |
| 206                  | Seasonal Residence   | Non-Participating    | Moravia | 379693.37                          | 4737158.69 | 0:00  | 0   | 0:00  | 0   |
| 207                  | Seasonal Residence   | Non-Participating    | Moravia | 379638.83                          | 4737273.11 | 0:00  | 0   | 0:00  | 0   |
| 208                  | Seasonal Residence   | Non-Participating    | Moravia | 379561.59                          | 4737384.67 | 0:00  | 0   | 0:00  | 0   |
| 209                  | Seasonal Residence   | Non-Participating    | Niles   | 379498.76                          | 4737580.94 | 0:00  | 0   | 0:00  | 0   |
| 210                  | Seasonal Residence   | Non-Participating    | Niles   | 379492.60                          | 4737607.77 | 0:00  | 0   | 0:00  | 0   |
| 211                  | Seasonal Residence   | Non-Participating    | Niles   | 379479.32                          | 4737638.85 | 0:00  | 0   | 0:00  | 0   |
| 212                  | Seasonal Residence   | Non-Participating    | Niles   | 379468.92                          | 4737659.08 | 0:00  | 0   | 0:00  | 0   |
| 213                  | Seasonal Residence   | Non-Participating    | Niles   | 379461.19                          | 4737677.38 | 0:00  | 0   | 0:00  | 0   |
| 214                  | Seasonal Residence   | Non-Participating    | Niles   | 379455.43                          | 4737694.03 | 0:00  | 0   | 0:00  | 0   |
| 215                  | Seasonal Residence   | Non-Participating    | Niles   | 379446.82                          | 4737714.46 | 0:00  | 0   | 0:00  | 0   |
| 216                  | Seasonal Residence   | Non-Participating    | Niles   | 379436.64                          | 4737737.67 | 0:00  | 0   | 0:00  | 0   |
| 217                  | Seasonal Residence   | Non-Participating    | Niles   | 379427.69                          | 4737765.33 | 0:00  | 0   | 0:00  | 0   |
| 218                  | Seasonal Residence   | Non-Participating    | Niles   | 379324.64                          | 4737794.52 | 0:00  | 0   | 0:00  | 0   |
| 219                  | Seasonal Residence   | Non-Participating    | Niles   | 379348.60                          | 4737891.42 | 0:00  | 0   | 0:00  | 0   |
| 220                  | Seasonal Residence   | Non-Participating    | Niles   | 379335.91                          | 4737939.30 | 0:00  | 0   | 0:00  | 0   |
| 221                  | Seasonal Residence   | Non-Participating    | Niles   | 379262.28                          | 4737989.10 | 0:00  | 0   | 0:00  | 0   |
| 222                  | Seasonal Residence   | Non-Participating    | Venice  | 379634.88                          | 4734302.75 | 0:00  | 0   | 0:00  | 0   |
| 223                  | Seasonal Residence   | Non-Participating    | Venice  | 379698.88                          | 4734505.64 | 0:00  | 0   | 0:00  | 0   |
| 224                  | Seasonal Residence   | Non-Participating    | Venice  | 379597.50                          | 4734525.85 | 0:00  | 0   | 0:00  | 0   |
| 225                  | Seasonal Residence   | Non-Participating    | Venice  | 379583.90                          | 4734535.92 | 0:00  | 0   | 0:00  | 0   |
| 226                  | Seasonal Residence   | Non-Participating    | Venice  | 379570.06                          | 4734543.74 | 0:00  | 0   | 0:00  | 0   |
| 227                  | Seasonal Residence   | Non-Participating    | Venice  | 379544.15                          | 4734554.57 | 0:00  | 0   | 0:00  | 0   |
| 228                  | Seasonal Residence   | Non-Participating    | Venice  | 379553.12                          | 4734572.45 | 0:00  | 0   | 0:00  | 0   |
| 229                  | Seasonal Residence   | Non-Participating    | Venice  | 379510.21                          | 4734601.49 | 0:00  | 0   | 0:00  | 0   |
| 230                  | Seasonal Residence   | Non-Participating    | Venice  | 379511.82                          | 4734610.87 | 0:00  | 0   | 0:00  | 0   |
| 231                  | Seasonal Residence   | Non-Participating    | Venice  | 379492.96                          | 4734717.58 | 0:00  | 0   | 0:00  | 0   |
| 232                  | Seasonal Residence   | Non-Participating    | Venice  | 379472.59                          | 4734751.64 | 0:00  | 0   | 0:00  | 0   |
| 233                  | Seasonal Residence   | Non-Participating    | Venice  | 379412.27                          | 4734796.05 | 0:00  | 0   | 0:00  | 0   |
| 234                  | Seasonal Residence   | Non-Participating    | Venice  | 379389.59                          | 4734779.14 | 0:00  | 0   | 0:00  | 0   |
| 235                  | Seasonal Residence   | Non-Participating    | Venice  | 379361.33                          | 4734801.75 | 0:00  | 0   | 0:00  | 0   |
| 236                  | Seasonal Residence   | Non-Participating    | Venice  | 379377.56                          | 4734844.99 | 0:00  | 0   | 0:00  | 0   |
| 237                  | Seasonal Residence   | Non-Participating    | Venice  | 379351.97                          | 4734841.33 | 0:00  | 0   | 0:00  | 0   |
| 238                  | Seasonal Residence   | Non-Participating    | Venice  | 379342.18                          | 4734857.25 | 0:00  | 0   | 0:00  | 0   |
| 239                  | Seasonal Residence   | Non-Participating    | Venice  | 379329.92                          | 4734937.17 | 0:00  | 0   | 0:00  | 0   |
| 240                  | Seasonal Residence   | Non-Participating    | Venice  | 379279.11                          | 4734959.98 | 0:00  | 0   | 0:00  | 0   |
| 241                  | Seasonal Residence   | Non-Participating    | Venice  | 379272.44                          | 4734970.00 | 0:00  | 0   | 0:00  | 0   |
| 242                  | Seasonal Residence   | Non-Participating    | Venice  | 379256.31                          | 4735014.79 | 0:00  | 0   | 0:00  | 0   |
| 243                  | Seasonal Residence   | Non-Participating    | Venice  | 379278.90                          | 4735079.07 | 0:00  | 0   | 0:00  | 0   |
| 244                  | Seasonal Residence   | Non-Participating    | Venice  | 379245.70                          | 4735116.49 | 0:00  | 0   | 0:00  | 0   |
| 245                  | Seasonal Residence   | Non-Participating    | Venice  | 379232.44                          | 4735134.99 | 0:00  | 0   | 0:00  | 0   |
| 246                  | Year-Round Residence | Non-Participating    | Venice  | 378998.25                          | 4735265.22 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 247                  | Seasonal Residence   | Non-Participating    | Venice  | 379066.29                          | 4735291.50 | 0:00  | 0   | 0:00  | 0   |
| 248                  | Seasonal Residence   | Non-Participating    | Scipio  | 379089.05                          | 4735348.51 | 0:00  | 0   | 0:00  | 0   |
| 249                  | Seasonal Residence   | Non-Participating    | Scipio  | 379093.32                          | 4735369.67 | 0:00  | 0   | 0:00  | 0   |
| 250                  | Seasonal Residence   | Non-Participating    | Scipio  | 379091.13                          | 4735434.72 | 0:00  | 0   | 0:00  | 0   |
| 251                  | Seasonal Residence   | Non-Participating    | Scipio  | 379086.27                          | 4735473.71 | 0:00  | 0   | 0:00  | 0   |
| 252                  | Seasonal Residence   | Non-Participating    | Scipio  | 379066.93                          | 4735506.50 | 0:00  | 0   | 0:00  | 0   |
| 253                  | Seasonal Residence   | Non-Participating    | Scipio  | 379053.19                          | 4735549.98 | 0:00  | 0   | 0:00  | 0   |
| 254                  | Seasonal Residence   | Non-Participating    | Scipio  | 379015.81                          | 4735615.48 | 0:00  | 0   | 0:00  | 0   |
| 255                  | Seasonal Residence   | Non-Participating    | Scipio  | 379005.35                          | 4735632.30 | 0:00  | 0   | 0:00  | 0   |
| 256                  | Seasonal Residence   | Non-Participating    | Scipio  | 379006.77                          | 4735650.36 | 0:00  | 0   | 0:00  | 0   |
| 257                  | Seasonal Residence   | Non-Participating    | Scipio  | 378968.98                          | 4735711.86 | 0:00  | 0   | 0:00  | 0   |
| 258                  | Seasonal Residence   | Non-Participating    | Scipio  | 378961.50                          | 4735726.01 | 0:00  | 0   | 0:00  | 0   |
| 259                  | Seasonal Residence   | Non-Participating    | Scipio  | 378907.66                          | 4735876.35 | 0:00  | 0   | 0:00  | 0   |
| 260                  | Seasonal Residence   | Non-Participating    | Scipio  | 378578.03                          | 4736475.96 | 0:00  | 0   | 0:00  | 0   |
| 261                  | Seasonal Residence   | Non-Participating    | Scipio  | 378564.57                          | 4736508.17 | 0:00  | 0   | 0:00  | 0   |
| 262                  | Seasonal Residence   | Non-Participating    | Scipio  | 378433.48                          | 4736881.83 | 0:00  | 0   | 0:00  | 0   |
| 263                  | Seasonal Residence   | Non-Participating    | Scipio  | 378162.15                          | 4737337.37 | 0:00  | 0   | 0:00  | 0   |
| 264                  | Seasonal Residence   | Non-Participating    | Scipio  | 377503.52                          | 4737880.95 | 0:00  | 0   | 0:00  | 0   |
| 265                  | Seasonal Residence   | Non-Participating    | Scipio  | 377647.75                          | 4737994.31 | 0:00  | 0   | 0:00  | 0   |
| 266                  | Seasonal Residence   | Non-Participating    | Scipio  | 377676.45                          | 4737936.68 | 0:00  | 0   | 0:00  | 0   |
| 273                  | Year-Round Residence | Non-Participating    | Moravia | 380786.57                          | 4735247.98 | 0:00  | 0   | 0:00  | 0   |
| 290                  | Year-Round Residence | Non-Participating    | Scipio  | 377104.22                          | 4738132.82 | 0:00  | 0   | 0:00  | 0   |
| 292                  | Year-Round Residence | Non-Participating    | Scipio  | 377335.15                          | 4738630.15 | 0:00  | 0   | 0:00  | 0   |
| 293                  | Year-Round Residence | Non-Participating    | Scipio  | 377219.41                          | 4738715.14 | 0:00  | 0   | 0:00  | 0   |
| 294                  | Year-Round Residence | Non-Participating    | Scipio  | 377195.26                          | 4738763.91 | 0:00  | 0   | 0:00  | 0   |
| 295                  | Seasonal Residence   | Non-Participating    | Scipio  | 377164.00                          | 4738840.42 | 0:00  | 0   | 0:00  | 0   |
| 296                  | Year-Round Residence | Non-Participating    | Scipio  | 377177.55                          | 4738904.10 | 0:00  | 0   | 0:00  | 0   |
| 297                  | Year-Round Residence | Non-Participating    | Scipio  | 377160.07                          | 4738940.39 | 0:00  | 0   | 0:00  | 0   |
| 298                  | Year-Round Residence | Non-Participating    | Scipio  | 377166.05                          | 4738988.23 | 0:00  | 0   | 0:00  | 0   |
| 299                  | Year-Round Residence | Non-Participating    | Scipio  | 377169.54                          | 4739077.16 | 0:00  | 0   | 0:00  | 0   |
| 300                  | Year-Round Residence | Non-Participating    | Scipio  | 377175.12                          | 4739064.71 | 0:00  | 0   | 0:00  | 0   |
| 301                  | Year-Round Residence | Non-Participating    | Scipio  | 377145.85                          | 4739092.14 | 0:00  | 0   | 0:00  | 0   |
| 303                  | Year-Round Residence | Non-Participating    | Scipio  | 376945.33                          | 4739169.65 | 0:00  | 0   | 0:00  | 0   |
| 304                  | Year-Round Residence | Non-Participating    | Scipio  | 376824.82                          | 4739117.06 | 0:00  | 0   | 0:00  | 0   |
| 305                  | Seasonal Residence   | Non-Participating    | Scipio  | 376847.02                          | 4739447.58 | 0:00  | 0   | 0:00  | 0   |
| 306                  | Seasonal Residence   | Non-Participating    | Scipio  | 376679.79                          | 4739750.41 | 0:00  | 0   | 0:00  | 0   |
| 307                  | Seasonal Residence   | Non-Participating    | Scipio  | 376572.43                          | 4739875.57 | 0:00  | 0   | 0:00  | 0   |
| 308                  | Seasonal Residence   | Non-Participating    | Scipio  | 376554.38                          | 4739939.48 | 0:00  | 0   | 0:00  | 0   |
| 309                  | Year-Round Residence | Non-Participating    | Scipio  | 376540.37                          | 4739966.99 | 0:00  | 0   | 0:00  | 0   |
| 310                  | Seasonal Residence   | Non-Participating    | Scipio  | 376518.99                          | 4740028.06 | 0:00  | 0   | 0:00  | 0   |
| 311                  | Seasonal Residence   | Non-Participating    | Scipio  | 376445.15                          | 4740100.28 | 0:00  | 0   | 0:00  | 0   |
| 312                  | Year-Round Residence | Non-Participating    | Scipio  | 376375.24                          | 4740129.93 | 0:00  | 0   | 0:00  | 0   |
| 313                  | Year-Round Residence | Non-Participating    | Scipio  | 376385.70                          | 4740184.22 | 0:00  | 0   | 0:00  | 0   |
| 314                  | Seasonal Residence   | Non-Participating    | Scipio  | 376385.76                          | 4740226.00 | 0:00  | 0   | 0:00  | 0   |
| 315                  | Seasonal Residence   | Non-Participating    | Scipio  | 376157.52                          | 4740123.48 | 0:00  | 0   | 0:00  | 0   |
| 317                  | Seasonal Residence   | Non-Participating    | Scipio  | 376269.90                          | 4740285.20 | 0:00  | 0   | 0:00  | 0   |
| 318                  | Seasonal Residence   | Non-Participating    | Scipio  | 376164.74                          | 4740778.68 | 0:00  | 0   | 0:00  | 0   |
| 319                  | Year-Round Residence | Non-Participating    | Scipio  | 376019.05                          | 4740932.17 | 0:00  | 0   | 0:00  | 0   |
| 320                  | Year-Round Residence | Non-Participating    | Scipio  | 376095.37                          | 4740953.62 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 321                  | Seasonal Residence   | Non-Participating    | Scipio | 376148.50                          | 4740919.57 | 0:00  | 0   | 0:00  | 0   |
| 322                  | Year-Round Residence | Non-Participating    | Scipio | 375998.14                          | 4740998.68 | 0:00  | 0   | 0:00  | 0   |
| 323                  | Year-Round Residence | Non-Participating    | Scipio | 375317.58                          | 4741086.66 | 0:00  | 0   | 0:00  | 0   |
| 324                  | Year-Round Residence | Non-Participating    | Scipio | 375551.40                          | 4740306.69 | 0:00  | 0   | 0:00  | 0   |
| 325                  | Year-Round Residence | Non-Participating    | Scipio | 375745.99                          | 4740280.88 | 0:00  | 0   | 0:00  | 0   |
| 326                  | Year-Round Residence | Non-Participating    | Scipio | 375781.55                          | 4740220.63 | 0:00  | 0   | 0:00  | 0   |
| 327                  | Year-Round Residence | Non-Participating    | Scipio | 375824.58                          | 4740152.26 | 0:00  | 0   | 0:00  | 0   |
| 328                  | Year-Round Residence | Non-Participating    | Scipio | 375851.51                          | 4740038.78 | 0:00  | 0   | 0:00  | 0   |
| 329                  | Year-Round Residence | Non-Participating    | Scipio | 375771.75                          | 4739989.05 | 0:00  | 0   | 0:00  | 0   |
| 330                  | Year-Round Residence | Non-Participating    | Scipio | 375817.88                          | 4739892.29 | 0:00  | 0   | 0:00  | 0   |
| 331                  | Year-Round Residence | Non-Participating    | Scipio | 375953.83                          | 4739896.63 | 0:00  | 0   | 0:00  | 0   |
| 332                  | Year-Round Residence | Non-Participating    | Scipio | 376022.06                          | 4739951.66 | 0:00  | 0   | 0:00  | 0   |
| 333                  | Year-Round Residence | Non-Participating    | Scipio | 376083.18                          | 4739975.58 | 0:00  | 0   | 0:00  | 0   |
| 334                  | Year-Round Residence | Non-Participating    | Scipio | 376187.86                          | 4739959.44 | 0:00  | 0   | 0:00  | 0   |
| 335                  | Year-Round Residence | Non-Participating    | Scipio | 375998.56                          | 4739764.29 | 0:00  | 0   | 0:00  | 0   |
| 336                  | Year-Round Residence | Non-Participating    | Scipio | 375796.95                          | 4739783.34 | 0:00  | 0   | 0:00  | 0   |
| 337                  | Year-Round Residence | Non-Participating    | Scipio | 376306.15                          | 4739623.74 | 0:00  | 0   | 0:00  | 0   |
| 339                  | Year-Round Residence | Non-Participating    | Scipio | 376332.70                          | 4739141.92 | 0:00  | 0   | 0:00  | 0   |
| 340                  | Year-Round Residence | Non-Participating    | Scipio | 376144.16                          | 4739276.60 | 0:00  | 0   | 0:00  | 0   |
| 341                  | Year-Round Residence | Non-Participating    | Scipio | 376187.31                          | 4739137.02 | 0:00  | 0   | 0:00  | 0   |
| 342                  | Year-Round Residence | Non-Participating    | Scipio | 376227.89                          | 4738899.41 | 0:00  | 0   | 0:00  | 0   |
| 344                  | Year-Round Residence | Non-Participating    | Scipio | 376217.92                          | 4738755.38 | 0:00  | 0   | 0:00  | 0   |
| 345                  | Year-Round Residence | Non-Participating    | Scipio | 376480.22                          | 4738795.14 | 0:00  | 0   | 0:00  | 0   |
| 346                  | Year-Round Residence | Non-Participating    | Scipio | 376514.68                          | 4738715.30 | 0:00  | 0   | 0:00  | 0   |
| 347                  | Year-Round Residence | Non-Participating    | Scipio | 376555.71                          | 4738636.79 | 0:00  | 0   | 0:00  | 0   |
| 348                  | Year-Round Residence | Non-Participating    | Scipio | 376655.88                          | 4738748.25 | 0:00  | 0   | 0:00  | 0   |
| 349                  | Year-Round Residence | Non-Participating    | Scipio | 376597.43                          | 4738556.45 | 0:00  | 0   | 0:00  | 0   |
| 350                  | Year-Round Residence | Non-Participating    | Scipio | 376582.31                          | 4738428.14 | 0:00  | 0   | 0:00  | 0   |
| 351                  | Year-Round Residence | Non-Participating    | Scipio | 376547.67                          | 4738460.03 | 0:00  | 0   | 0:00  | 0   |
| 352                  | Year-Round Residence | Non-Participating    | Scipio | 376622.44                          | 4738302.06 | 0:00  | 0   | 0:00  | 0   |
| 353                  | Year-Round Residence | Non-Participating    | Scipio | 376645.33                          | 4738263.85 | 0:00  | 0   | 0:00  | 0   |
| 354                  | Year-Round Residence | Non-Participating    | Scipio | 376509.32                          | 4738158.88 | 0:00  | 0   | 0:00  | 0   |
| 355                  | Year-Round Residence | Non-Participating    | Scipio | 376527.16                          | 4738161.09 | 0:00  | 0   | 0:00  | 0   |
| 356                  | Year-Round Residence | Non-Participating    | Scipio | 376559.13                          | 4738161.21 | 0:00  | 0   | 0:00  | 0   |
| 357                  | Year-Round Residence | Non-Participating    | Scipio | 376588.09                          | 4738155.58 | 0:00  | 0   | 0:00  | 0   |
| 358                  | Year-Round Residence | Non-Participating    | Scipio | 376583.35                          | 4738116.08 | 0:00  | 0   | 0:00  | 0   |
| 359                  | Year-Round Residence | Non-Participating    | Scipio | 376563.83                          | 4738121.53 | 0:00  | 0   | 0:00  | 0   |
| 360                  | Year-Round Residence | Non-Participating    | Scipio | 376518.42                          | 4738121.29 | 0:00  | 0   | 0:00  | 0   |
| 361                  | Year-Round Residence | Non-Participating    | Scipio | 376515.96                          | 4738106.08 | 0:00  | 0   | 0:00  | 0   |
| 362                  | Year-Round Residence | Non-Participating    | Scipio | 376535.16                          | 4738084.29 | 0:00  | 0   | 0:00  | 0   |
| 363                  | Year-Round Residence | Non-Participating    | Scipio | 376564.58                          | 4738102.99 | 0:00  | 0   | 0:00  | 0   |
| 364                  | Year-Round Residence | Non-Participating    | Scipio | 376578.37                          | 4738083.11 | 0:00  | 0   | 0:00  | 0   |
| 365                  | Year-Round Residence | Non-Participating    | Scipio | 376601.14                          | 4738096.49 | 0:00  | 0   | 0:00  | 0   |
| 366                  | Year-Round Residence | Non-Participating    | Scipio | 376613.55                          | 4738080.27 | 0:00  | 0   | 0:00  | 0   |
| 367                  | Year-Round Residence | Non-Participating    | Scipio | 376636.08                          | 4738119.45 | 0:00  | 0   | 0:00  | 0   |
| 368                  | Year-Round Residence | Non-Participating    | Scipio | 376645.52                          | 4738099.65 | 0:00  | 0   | 0:00  | 0   |
| 369                  | Year-Round Residence | Non-Participating    | Scipio | 376653.23                          | 4738084.61 | 0:00  | 0   | 0:00  | 0   |
| 370                  | Year-Round Residence | Non-Participating    | Scipio | 376682.48                          | 4738113.85 | 0:00  | 0   | 0:00  | 0   |
| 371                  | Year-Round Residence | Non-Participating    | Scipio | 376682.37                          | 4738088.79 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 372                  | Year-Round Residence | Non-Participating    | Scipio | 376700.87                          | 4738087.35 | 0:00  | 0   | 0:00  | 0   |
| 374                  | Year-Round Residence | Non-Participating    | Scipio | 377002.88                          | 4738376.40 | 0:00  | 0   | 0:00  | 0   |
| 375                  | Year-Round Residence | Non-Participating    | Scipio | 376982.55                          | 4738420.26 | 0:00  | 0   | 0:00  | 0   |
| 380                  | Year-Round Residence | Non-Participating    | Scipio | 376806.33                          | 4737996.74 | 0:00  | 0   | 0:00  | 0   |
| 381                  | Year-Round Residence | Non-Participating    | Scipio | 377037.53                          | 4737734.48 | 0:00  | 0   | 0:00  | 0   |
| 382                  | Year-Round Residence | Non-Participating    | Scipio | 377249.06                          | 4737372.69 | 0:00  | 0   | 0:00  | 0   |
| 385                  | Year-Round Residence | Non-Participating    | Scipio | 377404.36                          | 4737266.61 | 0:00  | 0   | 0:00  | 0   |
| 386                  | Year-Round Residence | Non-Participating    | Scipio | 377459.07                          | 4737181.30 | 0:00  | 0   | 0:00  | 0   |
| 387                  | Year-Round Residence | Non-Participating    | Scipio | 377706.61                          | 4736919.10 | 0:00  | 0   | 0:00  | 0   |
| 388                  | Year-Round Residence | Non-Participating    | Scipio | 377700.41                          | 4736801.52 | 0:00  | 0   | 0:00  | 0   |
| 389                  | Year-Round Residence | Non-Participating    | Scipio | 377741.56                          | 4736884.30 | 0:00  | 0   | 0:00  | 0   |
| 390                  | Year-Round Residence | Non-Participating    | Scipio | 377779.16                          | 4736855.26 | 0:00  | 0   | 0:00  | 0   |
| 391                  | Year-Round Residence | Non-Participating    | Scipio | 377839.18                          | 4736763.32 | 0:00  | 0   | 0:00  | 0   |
| 392                  | Year-Round Residence | Non-Participating    | Scipio | 377723.23                          | 4736565.70 | 0:00  | 0   | 0:00  | 0   |
| 393                  | Year-Round Residence | Non-Participating    | Scipio | 377732.21                          | 4736637.82 | 0:00  | 0   | 0:00  | 0   |
| 394                  | Year-Round Residence | Non-Participating    | Scipio | 377970.65                          | 4736567.96 | 0:00  | 0   | 0:00  | 0   |
| 395                  | Year-Round Residence | Non-Participating    | Scipio | 378002.63                          | 4736510.69 | 0:00  | 0   | 0:00  | 0   |
| 396                  | Year-Round Residence | Non-Participating    | Scipio | 378238.68                          | 4736371.12 | 0:00  | 0   | 0:00  | 0   |
| 397                  | Year-Round Residence | Non-Participating    | Scipio | 378107.18                          | 4736371.41 | 0:00  | 0   | 0:00  | 0   |
| 398                  | Year-Round Residence | Non-Participating    | Scipio | 378297.18                          | 4736294.83 | 0:00  | 0   | 0:00  | 0   |
| 399                  | Year-Round Residence | Non-Participating    | Scipio | 378365.66                          | 4736207.82 | 0:00  | 0   | 0:00  | 0   |
| 400                  | Year-Round Residence | Non-Participating    | Scipio | 378401.71                          | 4736134.85 | 0:00  | 0   | 0:00  | 0   |
| 403                  | Year-Round Residence | Non-Participating    | Scipio | 378443.04                          | 4735898.68 | 0:00  | 0   | 0:00  | 0   |
| 404                  | Year-Round Residence | Non-Participating    | Scipio | 378471.26                          | 4735853.47 | 0:00  | 0   | 0:00  | 0   |
| 405                  | Year-Round Residence | Non-Participating    | Scipio | 378452.25                          | 4735789.17 | 14:12   | 25  | 2:01  | 121   |
| 406                  | Year-Round Residence | Non-Participating    | Scipio | 378527.85                          | 4735752.51 | 0:00  | 0   | 0:00  | 0   |
| 407                  | Year-Round Residence | Non-Participating    | Venice | 379418.44                          | 4734636.13 | 0:00  | 0   | 0:00  | 0   |
| 408                  | Year-Round Residence | Non-Participating    | Venice | 378811.32                          | 4735200.84 | 0:00  | 0   | 0:00  | 0   |
| 409                  | Year-Round Residence | Non-Participating    | Venice | 378777.44                          | 4735191.95 | 0:00  | 0   | 0:00  | 0   |
| 410                  | Year-Round Residence | Non-Participating    | Venice | 378806.44                          | 4735300.44 | 0:00  | 0   | 0:00  | 0   |
| 412                  | Year-Round Residence | Non-Participating    | Venice | 378600.96                          | 4735293.06 | 9:53  | 24  | 1:58  | 118   |
| 415                  | Year-Round Residence | Non-Participating    | Scipio | 378369.73                          | 4735340.63 | 13:51   | 29  | 2:40  | 160   |
| 416                  | Year-Round Residence | Non-Participating    | Scipio | 378241.69                          | 4735331.41 | 17:21   | 32  | 3:20  | 200   |
| 418                  | Year-Round Residence | Non-Participating    | Scipio | 377968.10                          | 4735715.79 | 36:02   | 36  | 4:53  | 293   |
| 419                  | Year-Round Residence | Non-Participating    | Scipio | 377756.08                          | 4735780.44 | 0:00  | 0   | 0:00  | 0   |
| 420                  | Year-Round Residence | Non-Participating    | Scipio | 377834.28                          | 4735863.24 | 0:00  | 0   | 0:00  | 0   |
| 421                  | Year-Round Residence | Non-Participating    | Scipio | 377758.62                          | 4736032.13 | 0:00  | 0   | 0:00  | 0   |
| 422                  | Year-Round Residence | Non-Participating    | Scipio | 377760.75                          | 4736126.17 | 0:00  | 0   | 0:00  | 0   |
| 424                  | Year-Round Residence | Non-Participating    | Scipio | 378029.39                          | 4736175.93 | 0:00  | 0   | 0:00  | 0   |
| 427                  | Year-Round Residence | Non-Participating    | Scipio | 377777.78                          | 4736336.91 | 0:00  | 0   | 0:00  | 0   |
| 428                  | Year-Round Residence | Non-Participating    | Scipio | 377681.32                          | 4736423.36 | 0:00  | 0   | 0:00  | 0   |
| 429                  | Year-Round Residence | Non-Participating    | Scipio | 377760.24                          | 4736466.92 | 0:00  | 0   | 0:00  | 0   |
| 430                  | Year-Round Residence | Non-Participating    | Scipio | 377511.27                          | 4736420.74 | 0:00  | 0   | 0:00  | 0   |
| 431                  | Year-Round Residence | Non-Participating    | Scipio | 374961.46                          | 4741178.49 | 0:00  | 0   | 0:00  | 0   |
| 432                  | Year-Round Residence | Non-Participating    | Scipio | 374810.39                          | 4741083.13 | 0:00  | 0   | 0:00  | 0   |
| 433                  | Year-Round Residence | Non-Participating    | Scipio | 375180.48                          | 4741204.45 | 0:00  | 0   | 0:00  | 0   |
| 434                  | Year-Round Residence | Non-Participating    | Scipio | 374822.08                          | 4740951.38 | 0:00  | 0   | 0:00  | 0   |
| 435                  | Year-Round Residence | Non-Participating    | Scipio | 374823.36                          | 4740864.54 | 0:00  | 0   | 0:00  | 0   |
| 436                  | Year-Round Residence | Non-Participating    | Scipio | 374889.05                          | 4740745.61 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 438                  | Year-Round Residence | Non-Participating    | Scipio | 374822.90                          | 4740511.45 | 0:00  | 0   | 0:00  | 0   |
| 439                  | Year-Round Residence | Non-Participating    | Scipio | 374933.80                          | 4740458.88 | 0:00  | 0   | 0:00  | 0   |
| 440                  | Year-Round Residence | Non-Participating    | Scipio | 374890.23                          | 4740286.05 | 0:00  | 0   | 0:00  | 0   |
| 441                  | Year-Round Residence | Non-Participating    | Scipio | 374900.82                          | 4740231.00 | 0:00  | 0   | 0:00  | 0   |
| 442                  | Year-Round Residence | Non-Participating    | Scipio | 374861.06                          | 4739699.92 | 0:00  | 0   | 0:00  | 0   |
| 443                  | Year-Round Residence | Non-Participating    | Scipio | 374856.91                          | 4739807.89 | 0:00  | 0   | 0:00  | 0   |
| 446                  | Year-Round Residence | Non-Participating    | Scipio | 374859.13                          | 4739577.90 | 0:00  | 0   | 0:00  | 0   |
| 447                  | Year-Round Residence | Non-Participating    | Scipio | 375675.13                          | 4739496.33 | 0:00  | 0   | 0:00  | 0   |
| 448                  | Year-Round Residence | Non-Participating    | Scipio | 375826.88                          | 4739477.02 | 0:00  | 0   | 0:00  | 0   |
| 449                  | Year-Round Residence | Non-Participating    | Scipio | 374916.41                          | 4739293.75 | 0:00  | 0   | 0:00  | 0   |
| 450                  | Year-Round Residence | Non-Participating    | Scipio | 374858.13                          | 4739212.54 | 0:00  | 0   | 0:00  | 0   |
| 451                  | Year-Round Residence | Non-Participating    | Scipio | 374928.64                          | 4739158.84 | 0:00  | 0   | 0:00  | 0   |
| 453                  | Year-Round Residence | Non-Participating    | Scipio | 374934.50                          | 4739006.89 | 0:00  | 0   | 0:00  | 0   |
| 454                  | Year-Round Residence | Non-Participating    | Scipio | 374855.79                          | 4738703.58 | 0:00  | 0   | 0:00  | 0   |
| 455                  | Year-Round Residence | Non-Participating    | Scipio | 374956.18                          | 4738671.91 | 0:00  | 0   | 0:00  | 0   |
| 456                  | Year-Round Residence | Non-Participating    | Scipio | 374892.50                          | 4738549.60 | 0:00  | 0   | 0:00  | 0   |
| 457                  | Year-Round Residence | Non-Participating    | Scipio | 374960.28                          | 4738619.16 | 0:00  | 0   | 0:00  | 0   |
| 459                  | Year-Round Residence | Non-Participating    | Scipio | 374808.65                          | 4738437.47 | 0:00  | 0   | 0:00  | 0   |
| 460                  | Year-Round Residence | Non-Participating    | Scipio | 374885.54                          | 4738372.82 | 0:00  | 0   | 0:00  | 0   |
| 461                  | Year-Round Residence | Non-Participating    | Scipio | 375098.61                          | 4738363.73 | 0:00  | 0   | 0:00  | 0   |
| 462                  | Year-Round Residence | Non-Participating    | Scipio | 374900.17                          | 4738281.00 | 0:00  | 0   | 0:00  | 0   |
| 464                  | Year-Round Residence | Non-Participating    | Scipio | 374732.66                          | 4738243.73 | 0:00  | 0   | 0:00  | 0   |
| 465                  | Year-Round Residence | Non-Participating    | Scipio | 374960.11                          | 4738204.84 | 15:23   | 32  | 2:00  | 120   |
| 466                  | Year-Round Residence | Non-Participating    | Scipio | 374880.46                          | 4738134.81 | 33:25   | 48  | 4:34  | 274   |
| 467                  | Year-Round Residence | Non-Participating    | Scipio | 374967.38                          | 4737991.30 | 104:29  | 63  | 15:12   | 912   |
| 468                  | Year-Round Residence | Non-Participating    | Scipio | 375108.65                          | 4737989.01 | 58:12   | 52  | 9:01  | 541   |
| 469                  | Year-Round Residence | Non-Participating    | Scipio | 375207.68                          | 4737981.34 | 40:49   | 46  | 6:50  | 410   |
| 470                  | Year-Round Residence | Non-Participating    | Scipio | 375227.58                          | 4738054.71 | 42:11   | 44  | 6:23  | 383   |
| 473                  | Year-Round Residence | Non-Participating    | Scipio | 375456.64                          | 4738084.92 | 23:27   | 35  | 3:50  | 230   |
| 474                  | Year-Round Residence | Non-Participating    | Scipio | 375852.74                          | 4737710.15 | 23:25   | 26  | 4:41  | 281   |
| 476                  | Year-Round Residence | Non-Participating    | Scipio | 376236.43                          | 4738096.80 | 0:00  | 0   | 0:00  | 0   |
| 480                  | Year-Round Residence | Non-Participating    | Scipio | 374967.87                          | 4737620.62 | 178:54  | 76  | 39:44   | 2384  |
| 481                  | Year-Round Residence | Non-Participating    | Scipio | 374974.48                          | 4737549.55 | 253:15  | 76  | 59:00   | 3540  |
| 482                  | Year-Round Residence | Non-Participating    | Scipio | 374925.84                          | 4737438.08 | 297:33  | 120   | 62:56   | 3776  |
| 483                  | Year-Round Residence | Non-Participating    | Scipio | 375007.87                          | 4736728.17 | 126:20  | 85  | 24:21   | 1461  |
| 484                  | Year-Round Residence | Non-Participating    | Scipio | 374939.22                          | 4736669.29 | 194:13  | 122   | 41:32   | 2492  |
| 488                  | Year-Round Residence | Non-Participating    | Scipio | 375742.09                          | 4736623.57 | 77:33   | 32  | 18:10   | 1090  |
| 489                  | Year-Round Residence | Non-Participating    | Scipio | 376655.28                          | 4736709.73 | 38:50   | 29  | 6:57  | 417   |
| 490                  | Year-Round Residence | Non-Participating    | Scipio | 376574.74                          | 4736803.76 | 18:18   | 27  | 4:17  | 257   |
| 491                  | Year-Round Residence | Non-Participating    | Scipio | 376392.38                          | 4736765.18 | 18:11   | 31  | 5:22  | 322   |
| 492                  | Year-Round Residence | Non-Participating    | Scipio | 376776.58                          | 4736852.19 | 17:25   | 25  | 2:14  | 134   |
| 493                  | Year-Round Residence | Non-Participating    | Scipio | 377049.15                          | 4736677.36 | 0:00  | 0   | 0:00  | 0   |
| 495                  | Year-Round Residence | Non-Participating    | Scipio | 375031.21                          | 4735612.39 | 200:54  | 84  | 43:49   | 2629  |
| 496                  | Year-Round Residence | Non-Participating    | Scipio | 376146.86                          | 4735647.17 | 137:38  | 71  | 35:26   | 2126  |
| 500                  | Year-Round Residence | Non-Participating    | Scipio | 376915.88                          | 4735627.65 | 23:33   | 28  | 5:55  | 355   |
| 501                  | Year-Round Residence | Non-Participating    | Scipio | 376544.86                          | 4735620.45 | 94:21   | 42  | 22:14   | 1334  |
| 502                  | Year-Round Residence | Non-Participating    | Scipio | 377046.68                          | 4735638.14 | 11:16   | 25  | 3:16  | 196   |
| 503                  | Year-Round Residence | Non-Participating    | Scipio | 377399.08                          | 4735755.26 | 0:00  | 0   | 0:00  | 0   |
| 504                  | Year-Round Residence | Non-Participating    | Scipio | 377807.23                          | 4735447.82 | 57:27   | 48  | 8:34  | 514   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 505                  | Year-Round Residence | Non-Participating    | Scipio  | 377791.24                          | 4735544.38 | 60:52   | 47  | 8:27  | 507   |
| 506                  | Year-Round Residence | Non-Participating    | Scipio  | 377928.65                          | 4735032.12 | 38:39   | 48  | 9:48  | 588   |
| 507                  | Year-Round Residence | Non-Participating    | Scipio  | 376657.73                          | 4734976.08 | 89:06   | 88  | 24:02   | 1442  |
| 511                  | Year-Round Residence | Non-Participating    | Venice  | 377390.89                          | 4734710.21 | 0:00  | 0   | 0:00  | 0   |
| 512                  | Year-Round Residence | Non-Participating    | Venice  | 377672.03                          | 4734708.57 | 0:00  | 0   | 0:00  | 0   |
| 513                  | Year-Round Residence | Non-Participating    | Venice  | 377662.14                          | 4734568.90 | 0:00  | 0   | 0:00  | 0   |
| 514                  | Year-Round Residence | Non-Participating    | Venice  | 377842.22                          | 4734505.58 | 0:00  | 0   | 0:00  | 0   |
| 515                  | Year-Round Residence | Non-Participating    | Venice  | 377718.11                          | 4734473.76 | 0:00  | 0   | 0:00  | 0   |
| 520                  | Year-Round Residence | Non-Participating    | Venice  | 378246.23                          | 4734106.95 | 66:36   | 49  | 9:14  | 554   |
| 521                  | Year-Round Residence | Non-Participating    | Venice  | 378460.52                          | 4734061.70 | 32:58   | 40  | 5:09  | 309   |
| 522                  | Year-Round Residence | Non-Participating    | Venice  | 378350.97                          | 4734011.81 | 43:47   | 46  | 6:52  | 412   |
| 524                  | Year-Round Residence | Non-Participating    | Venice  | 378599.67                          | 4733825.60 | 22:38   | 37  | 4:33  | 273   |
| 525                  | Year-Round Residence | Non-Participating    | Venice  | 378864.11                          | 4733616.76 | 14:30   | 30  | 3:38  | 218   |
| 526                  | Year-Round Residence | Non-Participating    | Venice  | 379169.12                          | 4733416.33 | 9:31  | 24  | 2:40  | 160   |
| 529                  | Year-Round Residence | Non-Participating    | Venice  | 379001.19                          | 4733197.89 | 13:49   | 26  | 4:20  | 260   |
| 530                  | Year-Round Residence | Non-Participating    | Venice  | 379130.93                          | 4733084.30 | 0:00  | 0   | 0:00  | 0   |
| 531                  | Year-Round Residence | Non-Participating    | Venice  | 379218.26                          | 4732840.73 | 0:00  | 0   | 0:00  | 0   |
| 532                  | Year-Round Residence | Non-Participating    | Venice  | 379327.75                          | 4732577.12 | 0:00  | 0   | 0:00  | 0   |
| 533                  | Year-Round Residence | Non-Participating    | Venice  | 379283.30                          | 4732667.32 | 0:00  | 0   | 0:00  | 0   |
| 534                  | Year-Round Residence | Non-Participating    | Venice  | 379403.04                          | 4732407.89 | 0:00  | 0   | 0:00  | 0   |
| 535                  | Year-Round Residence | Non-Participating    | Venice  | 379258.15                          | 4732468.73 | 0:00  | 0   | 0:00  | 0   |
| 536                  | Year-Round Residence | Non-Participating    | Venice  | 379094.69                          | 4732411.13 | 0:00  | 0   | 0:00  | 0   |
| 537                  | Year-Round Residence | Non-Participating    | Venice  | 379363.95                          | 4732280.39 | 0:00  | 0   | 0:00  | 0   |
| 538                  | Year-Round Residence | Non-Participating    | Venice  | 379480.39                          | 4732193.56 | 0:00  | 0   | 0:00  | 0   |
| 539                  | Year-Round Residence | Non-Participating    | Venice  | 379546.67                          | 4732144.37 | 0:00  | 0   | 0:00  | 0   |
| 540                  | Year-Round Residence | Non-Participating    | Venice  | 379419.37                          | 4732232.85 | 0:00  | 0   | 0:00  | 0   |
| 541                  | Year-Round Residence | Non-Participating    | Venice  | 379820.43                          | 4731962.69 | 0:00  | 0   | 0:00  | 0   |
| 542                  | Year-Round Residence | Non-Participating    | Venice  | 379695.95                          | 4732085.63 | 0:00  | 0   | 0:00  | 0   |
| 543                  | Year-Round Residence | Non-Participating    | Venice  | 379609.23                          | 4732090.52 | 0:00  | 0   | 0:00  | 0   |
| 544                  | Year-Round Residence | Non-Participating    | Venice  | 379945.84                          | 4731793.24 | 0:00  | 0   | 0:00  | 0   |
| 545                  | Year-Round Residence | Non-Participating    | Venice  | 379981.26                          | 4731686.87 | 0:00  | 0   | 0:00  | 0   |
| 546                  | Year-Round Residence | Non-Participating    | Moravia | 380117.58                          | 4731672.32 | 0:00  | 0   | 0:00  | 0   |
| 547                  | Year-Round Residence | Non-Participating    | Venice  | 380038.60                          | 4731625.49 | 0:00  | 0   | 0:00  | 0   |
| 548                  | Year-Round Residence | Non-Participating    | Moravia | 380253.21                          | 4731640.72 | 0:00  | 0   | 0:00  | 0   |
| 549                  | Year-Round Residence | Non-Participating    | Venice  | 380049.66                          | 4731556.63 | 0:00  | 0   | 0:00  | 0   |
| 550                  | Year-Round Residence | Non-Participating    | Moravia | 380327.64                          | 4731638.96 | 0:00  | 0   | 0:00  | 0   |
| 551                  | Year-Round Residence | Non-Participating    | Moravia | 380387.17                          | 4731622.60 | 0:00  | 0   | 0:00  | 0   |
| 552                  | Year-Round Residence | Non-Participating    | Moravia | 380517.73                          | 4731579.93 | 0:00  | 0   | 0:00  | 0   |
| 553                  | Year-Round Residence | Non-Participating    | Moravia | 380384.41                          | 4731512.45 | 0:00  | 0   | 0:00  | 0   |
| 557                  | Year-Round Residence | Non-Participating    | Venice  | 380052.09                          | 4731414.91 | 0:00  | 0   | 0:00  | 0   |
| 558                  | Year-Round Residence | Non-Participating    | Moravia | 380171.99                          | 4731107.26 | 0:00  | 0   | 0:00  | 0   |
| 559                  | Year-Round Residence | Non-Participating    | Venice  | 380051.70                          | 4731077.43 | 0:00  | 0   | 0:00  | 0   |
| 560                  | Year-Round Residence | Non-Participating    | Venice  | 380070.41                          | 4731133.11 | 0:00  | 0   | 0:00  | 0   |
| 563                  | Year-Round Residence | Non-Participating    | Moravia | 380148.32                          | 4730987.36 | 0:00  | 0   | 0:00  | 0   |
| 564                  | Year-Round Residence | Non-Participating    | Venice  | 380074.55                          | 4730966.22 | 0:00  | 0   | 0:00  | 0   |
| 565                  | Year-Round Residence | Non-Participating    | Venice  | 380050.06                          | 4730919.46 | 0:00  | 0   | 0:00  | 0   |
| 566                  | Year-Round Residence | Non-Participating    | Venice  | 380080.01                          | 4730850.60 | 0:00  | 0   | 0:00  | 0   |
| 567                  | Year-Round Residence | Non-Participating    | Moravia | 380139.31                          | 4730933.04 | 0:00  | 0   | 0:00  | 0   |
| 568                  | Year-Round Residence | Non-Participating    | Moravia | 380156.81                          | 4730878.23 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 569                  | Year-Round Residence | Non-Participating    | Venice | 379948.14                          | 4730792.05 | 0:00  | 0   | 0:00  | 0   |
| 570                  | Year-Round Residence | Non-Participating    | Venice | 380088.55                          | 4730725.12 | 0:00  | 0   | 0:00  | 0   |
| 571                  | Year-Round Residence | Non-Participating    | Venice | 380077.94                          | 4730779.08 | 0:00  | 0   | 0:00  | 0   |
| 572                  | Year-Round Residence | Non-Participating    | Venice | 380089.15                          | 4730505.34 | 0:00  | 0   | 0:00  | 0   |
| 574                  | Year-Round Residence | Non-Participating    | Venice | 376593.51                          | 4734161.61 | 46:42   | 56  | 9:46  | 586   |
| 575                  | Year-Round Residence | Non-Participating    | Venice | 376668.33                          | 4734190.36 | 44:11   | 43  | 8:58  | 538   |
| 577                  | Year-Round Residence | Non-Participating    | Venice | 376703.96                          | 4733873.22 | 44:23   | 35  | 11:08   | 668   |
| 578                  | Year-Round Residence | Non-Participating    | Venice | 376630.83                          | 4733511.46 | 44:31   | 36  | 13:02   | 782   |
| 582                  | Year-Round Residence | Non-Participating    | Venice | 376807.56                          | 4732982.80 | 50:12   | 41  | 6:43  | 403   |
| 583                  | Year-Round Residence | Non-Participating    | Venice | 376703.75                          | 4732897.46 | 64:49   | 47  | 8:52  | 532   |
| 584                  | Year-Round Residence | Non-Participating    | Venice | 377104.75                          | 4733021.03 | 17:07   | 30  | 2:29  | 149   |
| 585                  | Year-Round Residence | Non-Participating    | Venice | 377197.24                          | 4732976.44 | 13:01   | 28  | 2:07  | 127   |
| 586                  | Year-Round Residence | Non-Participating    | Venice | 377128.42                          | 4732912.35 | 15:02   | 30  | 2:35  | 155   |
| 588                  | Year-Round Residence | Non-Participating    | Venice | 377774.09                          | 4732879.92 | 0:00  | 0   | 0:00  | 0   |
| 589                  | Year-Round Residence | Non-Participating    | Venice | 377821.31                          | 4732791.11 | 0:00  | 0   | 0:00  | 0   |
| 590                  | Year-Round Residence | Non-Participating    | Venice | 377847.66                          | 4732858.86 | 0:00  | 0   | 0:00  | 0   |
| 591                  | Year-Round Residence | Non-Participating    | Venice | 377887.48                          | 4732849.86 | 0:00  | 0   | 0:00  | 0   |
| 592                  | Year-Round Residence | Non-Participating    | Venice | 377903.62                          | 4732762.58 | 0:00  | 0   | 0:00  | 0   |
| 593                  | Year-Round Residence | Non-Participating    | Venice | 377942.47                          | 4732752.01 | 0:00  | 0   | 0:00  | 0   |
| 594                  | Year-Round Residence | Non-Participating    | Venice | 377961.92                          | 4732858.30 | 0:00  | 0   | 0:00  | 0   |
| 595                  | Year-Round Residence | Non-Participating    | Venice | 378031.81                          | 4732844.29 | 0:00  | 0   | 0:00  | 0   |
| 596                  | Year-Round Residence | Non-Participating    | Venice | 378092.86                          | 4732816.17 | 0:00  | 0   | 0:00  | 0   |
| 597                  | Year-Round Residence | Non-Participating    | Venice | 378140.29                          | 4732840.04 | 0:00  | 0   | 0:00  | 0   |
| 598                  | Year-Round Residence | Non-Participating    | Venice | 378195.62                          | 4732811.70 | 0:00  | 0   | 0:00  | 0   |
| 601                  | Year-Round Residence | Non-Participating    | Venice | 378290.06                          | 4732938.80 | 0:00  | 0   | 0:00  | 0   |
| 604                  | Year-Round Residence | Non-Participating    | Venice | 378503.69                          | 4732549.76 | 0:00  | 0   | 0:00  | 0   |
| 605                  | Year-Round Residence | Non-Participating    | Venice | 378964.73                          | 4732608.41 | 0:00  | 0   | 0:00  | 0   |
| 608                  | Year-Round Residence | Non-Participating    | Venice | 377042.60                          | 4732736.57 | 18:41   | 34  | 3:32  | 212   |
| 609                  | Year-Round Residence | Non-Participating    | Venice | 377049.09                          | 4732673.75 | 28:37   | 34  | 4:54  | 294   |
| 610                  | Year-Round Residence | Non-Participating    | Venice | 377067.11                          | 4732036.69 | 111:38  | 67  | 27:32   | 1652  |
| 613                  | Year-Round Residence | Non-Participating    | Venice | 377082.27                          | 4731629.31 | 56:16   | 53  | 18:37   | 1117  |
| 615                  | Year-Round Residence | Non-Participating    | Venice | 377683.41                          | 4731648.39 | 15:25   | 30  | 4:38  | 278   |
| 618                  | Year-Round Residence | Non-Participating    | Venice | 378481.17                          | 4731753.74 | 0:00  | 0   | 0:00  | 0   |
| 620                  | Year-Round Residence | Non-Participating    | Venice | 379402.21                          | 4731828.34 | 0:00  | 0   | 0:00  | 0   |
| 621                  | Year-Round Residence | Non-Participating    | Venice | 379019.02                          | 4731232.57 | 0:00  | 0   | 0:00  | 0   |
| 622                  | Year-Round Residence | Non-Participating    | Venice | 379056.17                          | 4731120.91 | 0:00  | 0   | 0:00  | 0   |
| 623                  | Year-Round Residence | Non-Participating    | Venice | 379112.86                          | 4730897.01 | 0:00  | 0   | 0:00  | 0   |
| 626                  | Year-Round Residence | Non-Participating    | Venice | 379025.01                          | 4730721.60 | 0:00  | 0   | 0:00  | 0   |
| 627                  | Year-Round Residence | Non-Participating    | Venice | 379069.55                          | 4730120.77 | 0:00  | 0   | 0:00  | 0   |
| 628                  | Year-Round Residence | Non-Participating    | Venice | 379238.06                          | 4730068.39 | 0:00  | 0   | 0:00  | 0   |
| 629                  | Year-Round Residence | Non-Participating    | Venice | 379308.52                          | 4730145.22 | 0:00  | 0   | 0:00  | 0   |
| 630                  | Year-Round Residence | Non-Participating    | Venice | 379177.59                          | 4730063.69 | 0:00  | 0   | 0:00  | 0   |
| 635                  | Year-Round Residence | Non-Participating    | Venice | 377143.43                          | 4731488.18 | 11:00   | 25  | 3:20  | 200   |
| 636                  | Year-Round Residence | Non-Participating    | Venice | 377111.10                          | 4730900.97 | 0:00  | 0   | 0:00  | 0   |
| 638                  | Year-Round Residence | Non-Participating    | Venice | 377187.78                          | 4730473.68 | 0:00  | 0   | 0:00  | 0   |
| 639                  | Year-Round Residence | Non-Participating    | Venice | 377177.56                          | 4730583.35 | 0:00  | 0   | 0:00  | 0   |
| 645                  | Year-Round Residence | Non-Participating    | Venice | 377209.87                          | 4730089.36 | 0:00  | 0   | 0:00  | 0   |
| 648                  | Year-Round Residence | Non-Participating    | Venice | 378158.82                          | 4730088.50 | 0:00  | 0   | 0:00  | 0   |
| 651                  | Year-Round Residence | Non-Participating    | Venice | 378627.37                          | 4730467.53 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 652                  | Year-Round Residence | Non-Participating    | Venice | 378627.90                          | 4730413.63 | 0:00  | 0   | 0:00  | 0   |
| 653                  | Year-Round Residence | Non-Participating    | Venice | 378625.27                          | 4730355.69 | 0:00  | 0   | 0:00  | 0   |
| 654                  | Year-Round Residence | Non-Participating    | Venice | 378625.42                          | 4730281.78 | 0:00  | 0   | 0:00  | 0   |
| 655                  | Year-Round Residence | Non-Participating    | Venice | 378622.63                          | 4730187.39 | 0:00  | 0   | 0:00  | 0   |
| 656                  | Year-Round Residence | Non-Participating    | Venice | 378620.09                          | 4730134.07 | 0:00  | 0   | 0:00  | 0   |
| 657                  | Year-Round Residence | Non-Participating    | Venice | 378886.27                          | 4730123.94 | 0:00  | 0   | 0:00  | 0   |
| 658                  | Year-Round Residence | Non-Participating    | Venice | 378710.66                          | 4730010.22 | 0:00  | 0   | 0:00  | 0   |
| 659                  | Year-Round Residence | Non-Participating    | Venice | 378199.52                          | 4729189.92 | 0:00  | 0   | 0:00  | 0   |
| 664                  | Year-Round Residence | Non-Participating    | Venice | 377189.15                          | 4729884.45 | 0:00  | 0   | 0:00  | 0   |
| 670                  | Year-Round Residence | Non-Participating    | Venice | 377145.68                          | 4729609.03 | 0:00  | 0   | 0:00  | 0   |
| 671                  | Year-Round Residence | Non-Participating    | Venice | 377136.49                          | 4729219.93 | 0:00  | 0   | 0:00  | 0   |
| 672                  | Year-Round Residence | Non-Participating    | Scipio | 373751.33                          | 4740767.95 | 0:00  | 0   | 0:00  | 0   |
| 673                  | Year-Round Residence | Non-Participating    | Scipio | 373593.96                          | 4740365.45 | 0:00  | 0   | 0:00  | 0   |
| 674                  | Year-Round Residence | Non-Participating    | Scipio | 374002.17                          | 4739615.65 | 0:00  | 0   | 0:00  | 0   |
| 675                  | Year-Round Residence | Non-Participating    | Scipio | 373772.19                          | 4739547.63 | 0:00  | 0   | 0:00  | 0   |
| 676                  | Year-Round Residence | Non-Participating    | Scipio | 374237.87                          | 4739548.19 | 0:00  | 0   | 0:00  | 0   |
| 677                  | Year-Round Residence | Non-Participating    | Scipio | 374192.31                          | 4739616.21 | 0:00  | 0   | 0:00  | 0   |
| 679                  | Year-Round Residence | Non-Participating    | Scipio | 374559.59                          | 4739622.40 | 0:00  | 0   | 0:00  | 0   |
| 680                  | Year-Round Residence | Non-Participating    | Scipio | 374593.28                          | 4739619.01 | 0:00  | 0   | 0:00  | 0   |
| 682                  | Year-Round Residence | Non-Participating    | Scipio | 372382.31                          | 4740812.30 | 0:00  | 0   | 0:00  | 0   |
| 686                  | Year-Round Residence | Non-Participating    | Scipio | 372485.00                          | 4739857.00 | 0:00  | 0   | 0:00  | 0   |
| 690                  | Year-Round Residence | Non-Participating    | Scipio | 372583.11                          | 4739578.92 | 0:00  | 0   | 0:00  | 0   |
| 691                  | Year-Round Residence | Non-Participating    | Scipio | 372375.07                          | 4739560.78 | 0:00  | 0   | 0:00  | 0   |
| 692                  | Year-Round Residence | Non-Participating    | Scipio | 372416.23                          | 4739551.40 | 0:00  | 0   | 0:00  | 0   |
| 696                  | Year-Round Residence | Non-Participating    | Scipio | 373521.24                          | 4739591.61 | 0:00  | 0   | 0:00  | 0   |
| 697                  | Year-Round Residence | Non-Participating    | Scipio | 373478.20                          | 4739592.76 | 0:00  | 0   | 0:00  | 0   |
| 704                  | Year-Round Residence | Non-Participating    | Scipio | 372493.88                          | 4739258.69 | 0:00  | 0   | 0:00  | 0   |
| 706                  | Year-Round Residence | Non-Participating    | Scipio | 372428.89                          | 4739083.59 | 0:00  | 0   | 0:00  | 0   |
| 707                  | Year-Round Residence | Non-Participating    | Scipio | 372523.75                          | 4738792.38 | 0:00  | 0   | 0:00  | 0   |
| 712                  | Year-Round Residence | Non-Participating    | Scipio | 372511.71                          | 4738311.56 | 0:00  | 0   | 0:00  | 0   |
| 713                  | Year-Round Residence | Non-Participating    | Scipio | 372513.14                          | 4738267.39 | 0:00  | 0   | 0:00  | 0   |
| 714                  | Year-Round Residence | Non-Participating    | Scipio | 372515.61                          | 4738212.16 | 0:00  | 0   | 0:00  | 0   |
| 715                  | Year-Round Residence | Non-Participating    | Scipio | 372516.13                          | 4738186.32 | 0:00  | 0   | 0:00  | 0   |
| 716                  | Year-Round Residence | Non-Participating    | Scipio | 372511.99                          | 4738126.20 | 0:00  | 0   | 0:00  | 0   |
| 719                  | Year-Round Residence | Non-Participating    | Scipio | 372431.11                          | 4738039.69 | 0:00  | 0   | 0:00  | 0   |
| 723                  | Year-Round Residence | Non-Participating    | Scipio | 372450.31                          | 4737940.26 | 0:00  | 0   | 0:00  | 0   |
| 724                  | Year-Round Residence | Non-Participating    | Scipio | 372469.28                          | 4737922.09 | 0:00  | 0   | 0:00  | 0   |
| 725                  | Year-Round Residence | Non-Participating    | Scipio | 372578.41                          | 4737936.85 | 0:00  | 0   | 0:00  | 0   |
| 726                  | Year-Round Residence | Non-Participating    | Scipio | 372520.46                          | 4737989.60 | 0:00  | 0   | 0:00  | 0   |
| 727                  | Year-Round Residence | Non-Participating    | Scipio | 372634.62                          | 4737938.55 | 0:00  | 0   | 0:00  | 0   |
| 728                  | Year-Round Residence | Non-Participating    | Scipio | 372612.28                          | 4737937.47 | 0:00  | 0   | 0:00  | 0   |
| 729                  | Year-Round Residence | Non-Participating    | Scipio | 372639.18                          | 4737994.15 | 0:00  | 0   | 0:00  | 0   |
| 733                  | Year-Round Residence | Non-Participating    | Scipio | 372686.52                          | 4737991.00 | 0:00  | 0   | 0:00  | 0   |
| 734                  | Year-Round Residence | Non-Participating    | Scipio | 372677.87                          | 4737930.72 | 0:00  | 0   | 0:00  | 0   |
| 735                  | Year-Round Residence | Non-Participating    | Scipio | 372721.40                          | 4737938.18 | 0:00  | 0   | 0:00  | 0   |
| 736                  | Year-Round Residence | Non-Participating    | Scipio | 372760.56                          | 4737993.37 | 0:00  | 0   | 0:00  | 0   |
| 737                  | Year-Round Residence | Non-Participating    | Scipio | 372830.88                          | 4737998.57 | 0:00  | 0   | 0:00  | 0   |
| 739                  | Year-Round Residence | Non-Participating    | Scipio | 372838.18                          | 4737933.23 | 0:00  | 0   | 0:00  | 0   |
| 741                  | Year-Round Residence | Non-Participating    | Scipio | 372914.97                          | 4737988.72 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 742                  | Year-Round Residence | Non-Participating    | Scipio | 372889.15                          | 4737936.03 | 0:00  | 0   | 0:00  | 0   |
| 743                  | Year-Round Residence | Non-Participating    | Scipio | 372999.13                          | 4737942.75 | 0:00  | 0   | 0:00  | 0   |
| 744                  | Year-Round Residence | Non-Participating    | Scipio | 373055.90                          | 4737934.41 | 0:00  | 0   | 0:00  | 0   |
| 745                  | Year-Round Residence | Non-Participating    | Scipio | 373103.70                          | 4737941.79 | 8:46  | 24  | 2:04  | 124   |
| 747                  | Year-Round Residence | Non-Participating    | Scipio | 373305.95                          | 4737947.52 | 24:46   | 28  | 5:16  | 316   |
| 749                  | Year-Round Residence | Non-Participating    | Scipio | 373354.28                          | 4738009.81 | 30:40   | 28  | 6:18  | 378   |
| 753                  | Year-Round Residence | Non-Participating    | Scipio | 373808.43                          | 4737955.68 | 42:53   | 44  | 9:28  | 568   |
| 758                  | Year-Round Residence | Non-Participating    | Scipio | 374175.98                          | 4738031.44 | 94:10   | 69  | 17:45   | 1065  |
| 760                  | Year-Round Residence | Non-Participating    | Scipio | 374440.94                          | 4738036.46 | 44:43   | 64  | 7:50  | 470   |
| 763                  | Year-Round Residence | Non-Participating    | Scipio | 372458.81                          | 4737892.80 | 0:00  | 0   | 0:00  | 0   |
| 764                  | Year-Round Residence | Non-Participating    | Scipio | 372520.83                          | 4737814.92 | 0:00  | 0   | 0:00  | 0   |
| 765                  | Year-Round Residence | Non-Participating    | Scipio | 372465.00                          | 4737846.83 | 0:00  | 0   | 0:00  | 0   |
| 769                  | Year-Round Residence | Non-Participating    | Scipio | 372476.22                          | 4737763.30 | 0:00  | 0   | 0:00  | 0   |
| 770                  | Year-Round Residence | Non-Participating    | Scipio | 372473.50                          | 4737712.43 | 0:00  | 0   | 0:00  | 0   |
| 771                  | Year-Round Residence | Non-Participating    | Scipio | 372527.93                          | 4737734.99 | 0:00  | 0   | 0:00  | 0   |
| 773                  | Year-Round Residence | Non-Participating    | Scipio | 372478.65                          | 4737599.25 | 22:42   | 32  | 3:57  | 237   |
| 774                  | Year-Round Residence | Non-Participating    | Scipio | 372480.04                          | 4737556.02 | 31:58   | 36  | 5:41  | 341   |
| 775                  | Year-Round Residence | Non-Participating    | Scipio | 372435.83                          | 4737561.25 | 34:15   | 35  | 6:06  | 366   |
| 777                  | Year-Round Residence | Non-Participating    | Scipio | 372483.31                          | 4737507.24 | 40:43   | 37  | 7:19  | 439   |
| 779                  | Year-Round Residence | Non-Participating    | Scipio | 372560.91                          | 4736967.97 | 118:09  | 83  | 23:21   | 1401  |
| 780                  | Year-Round Residence | Non-Participating    | Scipio | 372548.55                          | 4737140.96 | 117:08  | 77  | 20:57   | 1257  |
| 785                  | Year-Round Residence | Non-Participating    | Scipio | 372497.81                          | 4736650.08 | 151:13  | 63  | 38:14   | 2294  |
| 786                  | Year-Round Residence | Non-Participating    | Scipio | 372554.51                          | 4736551.55 | 131:19  | 57  | 35:34   | 2134  |
| 787                  | Year-Round Residence | Non-Participating    | Scipio | 372574.58                          | 4736372.75 | 106:33  | 55  | 33:32   | 2012  |
| 788                  | Year-Round Residence | Non-Participating    | Scipio | 372506.73                          | 4736207.67 | 25:39   | 36  | 6:29  | 389   |
| 789                  | Year-Round Residence | Non-Participating    | Scipio | 372538.19                          | 4735839.04 | 0:00  | 0   | 0:00  | 0   |
| 790                  | Year-Round Residence | Non-Participating    | Scipio | 373185.29                          | 4735915.59 | 10:34   | 16  | 3:38  | 218   |
| 791                  | Year-Round Residence | Non-Participating    | Scipio | 373074.74                          | 4735843.27 | 0:00  | 0   | 0:00  | 0   |
| 792                  | Year-Round Residence | Non-Participating    | Scipio | 373337.00                          | 4735832.49 | 10:44   | 25  | 2:45  | 165   |
| 793                  | Year-Round Residence | Non-Participating    | Scipio | 373684.57                          | 4735938.55 | 49:07   | 33  | 10:42   | 642   |
| 794                  | Year-Round Residence | Non-Participating    | Scipio | 373951.61                          | 4737236.92 | 128:03  | 55  | 26:40   | 1600  |
| 795                  | Year-Round Residence | Non-Participating    | Scipio | 373910.82                          | 4737146.69 | 148:40  | 53  | 32:10   | 1930  |
| 796                  | Year-Round Residence | Non-Participating    | Scipio | 374221.46                          | 4735486.15 | 95:01   | 58  | 21:31   | 1291  |
| 797                  | Year-Round Residence | Non-Participating    | Scipio | 374168.89                          | 4735587.85 | 86:46   | 51  | 17:04   | 1024  |
| 802                  | Year-Round Residence | Non-Participating    | Venice | 374907.98                          | 4733958.24 | 60:46   | 52  | 16:37   | 997   |
| 805                  | Year-Round Residence | Non-Participating    | Venice | 375026.12                          | 4733664.81 | 83:29   | 53  | 21:04   | 1264  |
| 806                  | Year-Round Residence | Non-Participating    | Venice | 375114.80                          | 4733552.03 | 54:20   | 54  | 14:18   | 858   |
| 807                  | Year-Round Residence | Non-Participating    | Venice | 375108.29                          | 4733619.37 | 94:54   | 60  | 24:36   | 1476  |
| 808                  | Year-Round Residence | Non-Participating    | Venice | 375053.87                          | 4733526.34 | 52:55   | 51  | 13:59   | 839   |
| 809                  | Year-Round Residence | Non-Participating    | Venice | 375165.68                          | 4733296.26 | 18:49   | 29  | 3:13  | 193   |
| 810                  | Year-Round Residence | Non-Participating    | Venice | 375111.95                          | 4733266.67 | 33:57   | 30  | 6:54  | 414   |
| 811                  | Year-Round Residence | Non-Participating    | Venice | 375129.95                          | 4733223.44 | 32:27   | 31  | 5:45  | 345   |
| 812                  | Year-Round Residence | Non-Participating    | Venice | 375216.01                          | 4733158.13 | 38:01   | 34  | 6:47  | 407   |
| 817                  | Year-Round Residence | Non-Participating    | Venice | 375266.84                          | 4732966.56 | 31:56   | 38  | 6:23  | 383   |
| 819                  | Year-Round Residence | Non-Participating    | Venice | 375368.69                          | 4733021.58 | 53:59   | 41  | 9:54  | 594   |
| 820                  | Year-Round Residence | Non-Participating    | Venice | 375401.74                          | 4732978.32 | 62:32   | 43  | 11:16   | 676   |
| 822                  | Year-Round Residence | Non-Participating    | Venice | 375183.00                          | 4732895.90 | 24:10   | 36  | 5:28  | 328   |
| 826                  | Year-Round Residence | Non-Participating    | Venice | 375925.93                          | 4733038.83 | 0:00  | 0   | 0:00  | 0   |
| 827                  | Year-Round Residence | Non-Participating    | Venice | 376207.34                          | 4732965.22 | 15:50   | 21  | 2:02  | 122   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 829                  | Year-Round Residence | Non-Participating    | Venice | 375277.07                          | 4732794.35 | 55:15   | 41  | 10:08   | 608   |
| 830                  | Year-Round Residence | Non-Participating    | Venice | 375319.61                          | 4732852.63 | 52:46   | 42  | 9:44  | 584   |
| 831                  | Year-Round Residence | Non-Participating    | Venice | 375354.48                          | 4732772.84 | 79:01   | 53  | 15:04   | 904   |
| 835                  | Year-Round Residence | Non-Participating    | Venice | 375344.68                          | 4732619.86 | 90:07   | 57  | 17:24   | 1044  |
| 839                  | Year-Round Residence | Non-Participating    | Venice | 375433.68                          | 4731653.44 | 145:38  | 96  | 38:52   | 2332  |
| 853                  | Year-Round Residence | Non-Participating    | Venice | 375705.30                          | 4730990.51 | 0:00  | 0   | 0:00  | 0   |
| 854                  | Year-Round Residence | Non-Participating    | Venice | 375779.95                          | 4730574.81 | 0:00  | 0   | 0:00  | 0   |
| 855                  | Year-Round Residence | Non-Participating    | Venice | 376137.98                          | 4730055.92 | 0:00  | 0   | 0:00  | 0   |
| 859                  | Year-Round Residence | Non-Participating    | Venice | 375827.90                          | 4729868.11 | 0:00  | 0   | 0:00  | 0   |
| 860                  | Year-Round Residence | Non-Participating    | Venice | 376084.55                          | 4729222.10 | 0:00  | 0   | 0:00  | 0   |
| 861                  | Year-Round Residence | Non-Participating    | Venice | 376139.57                          | 4728867.53 | 0:00  | 0   | 0:00  | 0   |
| 863                  | Year-Round Residence | Non-Participating    | Venice | 376187.16                          | 4728523.95 | 0:00  | 0   | 0:00  | 0   |
| 864                  | Year-Round Residence | Non-Participating    | Venice | 376134.79                          | 4728559.72 | 0:00  | 0   | 0:00  | 0   |
| 866                  | Year-Round Residence | Non-Participating    | Venice | 376094.75                          | 4728297.67 | 0:00  | 0   | 0:00  | 0   |
| 871                  | Year-Round Residence | Non-Participating    | Scipio | 372709.38                          | 4735422.95 | 22:50   | 28  | 3:59  | 239   |
| 872                  | Year-Round Residence | Non-Participating    | Scipio | 372709.18                          | 4735194.33 | 21:06   | 30  | 4:01  | 241   |
| 875                  | Year-Round Residence | Non-Participating    | Scipio | 372591.73                          | 4734882.41 | 24:51   | 29  | 5:17  | 317   |
| 876                  | Year-Round Residence | Non-Participating    | Venice | 373039.66                          | 4734776.69 | 37:36   | 47  | 9:14  | 554   |
| 877                  | Year-Round Residence | Non-Participating    | Venice | 372685.62                          | 4733910.32 | 18:15   | 33  | 4:32  | 272   |
| 879                  | Year-Round Residence | Non-Participating    | Venice | 372666.33                          | 4733845.43 | 18:00   | 33  | 4:35  | 275   |
| 880                  | Year-Round Residence | Non-Participating    | Venice | 372567.31                          | 4733537.57 | 18:13   | 31  | 4:39  | 279   |
| 885                  | Year-Round Residence | Non-Participating    | Venice | 372557.14                          | 4733289.33 | 35:50   | 31  | 9:21  | 561   |
| 886                  | Year-Round Residence | Non-Participating    | Venice | 372556.04                          | 4733242.62 | 33:11   | 30  | 8:41  | 521   |
| 887                  | Year-Round Residence | Non-Participating    | Venice | 372563.78                          | 4733208.31 | 27:56   | 30  | 7:19  | 439   |
| 888                  | Year-Round Residence | Non-Participating    | Venice | 372554.22                          | 4733180.93 | 23:30   | 29  | 6:09  | 369   |
| 890                  | Year-Round Residence | Non-Participating    | Venice | 372592.18                          | 4733112.54 | 2:48  | 12  | 0:42  | 42  |
| 891                  | Year-Round Residence | Non-Participating    | Venice | 372597.84                          | 4733085.32 | 0:00  | 0   | 0:00  | 0   |
| 892                  | Year-Round Residence | Non-Participating    | Venice | 372635.66                          | 4733138.84 | 3:40  | 14  | 0:56  | 56  |
| 893                  | Year-Round Residence | Non-Participating    | Venice | 372639.17                          | 4733091.16 | 0:00  | 0   | 0:00  | 0   |
| 894                  | Year-Round Residence | Non-Participating    | Venice | 372643.58                          | 4733067.49 | 0:00  | 0   | 0:00  | 0   |
| 895                  | Year-Round Residence | Non-Participating    | Venice | 372669.08                          | 4732993.39 | 0:00  | 0   | 0:00  | 0   |
| 898                  | Year-Round Residence | Non-Participating    | Venice | 372837.34                          | 4732902.14 | 0:00  | 0   | 0:00  | 0   |
| 900                  | Year-Round Residence | Non-Participating    | Venice | 373267.68                          | 4733011.05 | 21:27   | 27  | 3:43  | 223   |
| 901                  | Year-Round Residence | Non-Participating    | Venice | 373343.03                          | 4732903.87 | 29:40   | 29  | 5:15  | 315   |
| 906                  | Year-Round Residence | Non-Participating    | Venice | 373751.96                          | 4732983.28 | 0:00  | 0   | 0:00  | 0   |
| 908                  | Year-Round Residence | Non-Participating    | Venice | 374236.89                          | 4732939.33 | 28:04   | 33  | 4:56  | 296   |
| 909                  | Year-Round Residence | Non-Participating    | Venice | 374416.57                          | 4732998.69 | 0:00  | 0   | 0:00  | 0   |
| 910                  | Year-Round Residence | Non-Participating    | Venice | 374428.35                          | 4733016.38 | 0:00  | 0   | 0:00  | 0   |
| 911                  | Year-Round Residence | Non-Participating    | Venice | 374847.07                          | 4733033.74 | 23:54   | 27  | 6:40  | 400   |
| 916                  | Year-Round Residence | Non-Participating    | Venice | 372829.83                          | 4732213.83 | 0:00  | 0   | 0:00  | 0   |
| 917                  | Year-Round Residence | Non-Participating    | Venice | 372742.38                          | 4732221.63 | 0:00  | 0   | 0:00  | 0   |
| 918                  | Year-Round Residence | Non-Participating    | Venice | 372822.67                          | 4732087.60 | 0:00  | 0   | 0:00  | 0   |
| 919                  | Year-Round Residence | Non-Participating    | Venice | 372982.53                          | 4731811.62 | 12:57   | 25  | 3:12  | 192   |
| 922                  | Year-Round Residence | Non-Participating    | Venice | 373100.98                          | 4731704.26 | 19:19   | 27  | 4:58  | 298   |
| 923                  | Year-Round Residence | Non-Participating    | Venice | 373055.62                          | 4731591.88 | 67:38   | 42  | 15:34   | 934   |
| 924                  | Year-Round Residence | Non-Participating    | Venice | 373090.77                          | 4731580.96 | 65:53   | 43  | 15:19   | 919   |
| 930                  | Year-Round Residence | Non-Participating    | Venice | 373553.30                          | 4731613.11 | 0:00  | 0   | 0:00  | 0   |
| 931                  | Year-Round Residence | Non-Participating    | Venice | 373764.63                          | 4731618.96 | 27:38   | 26  | 7:16  | 436   |
| 932                  | Year-Round Residence | Non-Participating    | Venice | 373800.11                          | 4731540.05 | 19:52   | 27  | 5:12  | 312   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 933                  | Year-Round Residence | Non-Participating    | Venice | 373961.25                          | 4731621.47 | 22:57   | 30  | 6:01  | 361  |
| 934                  | Year-Round Residence | Non-Participating    | Venice | 374117.12                          | 4731627.46 | 4:11  | 15  | 1:04  | 64   |
| 935                  | Year-Round Residence | Non-Participating    | Venice | 374326.19                          | 4731562.59 | 22:18   | 35  | 2:52  | 172  |
| 936                  | Year-Round Residence | Non-Participating    | Venice | 374660.72                          | 4731649.70 | 36:01   | 27  | 6:21  | 381  |
| 938                  | Year-Round Residence | Non-Participating    | Venice | 374712.92                          | 4731487.62 | 29:38   | 28  | 6:06  | 366  |
| 939                  | Year-Round Residence | Non-Participating    | Venice | 374996.64                          | 4731640.06 | 31:51   | 37  | 7:27  | 447  |
| 940                  | Year-Round Residence | Non-Participating    | Venice | 375030.96                          | 4731556.61 | 38:45   | 38  | 9:19  | 559  |
| 941                  | Year-Round Residence | Non-Participating    | Venice | 375080.37                          | 4731582.55 | 36:33   | 40  | 9:12  | 552  |
| 942                  | Year-Round Residence | Non-Participating    | Venice | 373065.32                          | 4731455.36 | 80:24   | 46  | 16:44   | 1004   |
| 944                  | Year-Round Residence | Non-Participating    | Venice | 373108.64                          | 4731276.61 | 51:55   | 54  | 12:17   | 737  |
| 945                  | Year-Round Residence | Non-Participating    | Venice | 372998.17                          | 4731232.32 | 37:26   | 47  | 9:22  | 562  |
| 946                  | Year-Round Residence | Non-Participating    | Venice | 373281.23                          | 4730707.63 | 0:00  | 0   | 0:00  | 0  |
| 949                  | Year-Round Residence | Non-Participating    | Venice | 373454.13                          | 4730339.13 | 0:00  | 0   | 0:00  | 0  |
| 950                  | Year-Round Residence | Non-Participating    | Venice | 373513.16                          | 4730245.92 | 0:00  | 0   | 0:00  | 0  |
| 951                  | Year-Round Residence | Non-Participating    | Venice | 375121.88                          | 4730855.12 | 5:13  | 17  | 1:22  | 82   |
| 958                  | Year-Round Residence | Non-Participating    | Venice | 373427.79                          | 4730045.06 | 0:00  | 0   | 0:00  | 0  |
| 959                  | Year-Round Residence | Non-Participating    | Venice | 373764.55                          | 4730062.23 | 0:00  | 0   | 0:00  | 0  |
| 960                  | Year-Round Residence | Non-Participating    | Venice | 373644.54                          | 4729935.02 | 0:00  | 0   | 0:00  | 0  |
| 961                  | Year-Round Residence | Non-Participating    | Venice | 373763.67                          | 4729799.06 | 0:00  | 0   | 0:00  | 0  |
| 962                  | Year-Round Residence | Non-Participating    | Venice | 373813.04                          | 4729475.92 | 0:00  | 0   | 0:00  | 0  |
| 966                  | Year-Round Residence | Non-Participating    | Venice | 374049.59                          | 4728848.78 | 0:00  | 0   | 0:00  | 0  |
| 967                  | Year-Round Residence | Non-Participating    | Venice | 374010.11                          | 4728714.02 | 0:00  | 0   | 0:00  | 0  |
| 973                  | Year-Round Residence | Non-Participating    | Venice | 374147.12                          | 4728456.35 | 0:00  | 0   | 0:00  | 0  |
| 975                  | Year-Round Residence | Non-Participating    | Venice | 374427.97                          | 4728254.59 | 0:00  | 0   | 0:00  | 0  |
| 976                  | Year-Round Residence | Non-Participating    | Venice | 374499.57                          | 4727588.59 | 0:00  | 0   | 0:00  | 0  |
| 977                  | Year-Round Residence | Non-Participating    | Venice | 374528.05                          | 4727540.76 | 0:00  | 0   | 0:00  | 0  |
| 978                  | Year-Round Residence | Non-Participating    | Venice | 374410.04                          | 4727545.45 | 0:00  | 0   | 0:00  | 0  |
| 979                  | Year-Round Residence | Non-Participating    | Venice | 374456.43                          | 4727447.51 | 0:00  | 0   | 0:00  | 0  |
| 985                  | Year-Round Residence | Non-Participating    | Venice | 374677.55                          | 4727550.41 | 0:00  | 0   | 0:00  | 0  |
| 986                  | Year-Round Residence | Non-Participating    | Venice | 374593.06                          | 4727546.59 | 0:00  | 0   | 0:00  | 0  |
| 987                  | Year-Round Residence | Non-Participating    | Venice | 374724.84                          | 4727671.09 | 0:00  | 0   | 0:00  | 0  |
| 989                  | Year-Round Residence | Non-Participating    | Scipio | 370635.99                          | 4740556.00 | 0:00  | 0   | 0:00  | 0  |
| 990                  | Year-Round Residence | Non-Participating    | Scipio | 370698.10                          | 4740558.67 | 0:00  | 0   | 0:00  | 0  |
| 991                  | Year-Round Residence | Non-Participating    | Scipio | 370628.23                          | 4740466.57 | 0:00  | 0   | 0:00  | 0  |
| 992                  | Year-Round Residence | Non-Participating    | Scipio | 370634.28                          | 4740209.25 | 0:00  | 0   | 0:00  | 0  |
| 994                  | Year-Round Residence | Non-Participating    | Scipio | 370578.79                          | 4739860.96 | 0:00  | 0   | 0:00  | 0  |
| 998                  | Year-Round Residence | Non-Participating    | Scipio | 370350.80                          | 4739781.42 | 0:00  | 0   | 0:00  | 0  |
| 999                  | Year-Round Residence | Non-Participating    | Scipio | 370198.64                          | 4739804.76 | 0:00  | 0   | 0:00  | 0  |
| 1000                 | Year-Round Residence | Non-Participating    | Scipio | 370071.45                          | 4739658.07 | 0:00  | 0   | 0:00  | 0  |
| 1001                 | Year-Round Residence | Non-Participating    | Scipio | 369882.41                          | 4739710.88 | 0:00  | 0   | 0:00  | 0  |
| 1002                 | Year-Round Residence | Non-Participating    | Scipio | 369531.59                          | 4739751.06 | 0:00  | 0   | 0:00  | 0  |
| 1004                 | Year-Round Residence | Non-Participating    | Scipio | 370522.33                          | 4739516.89 | 0:00  | 0   | 0:00  | 0  |
| 1005                 | Year-Round Residence | Non-Participating    | Scipio | 370528.91                          | 4739355.01 | 0:00  | 0   | 0:00  | 0  |
| 1006                 | Year-Round Residence | Non-Participating    | Scipio | 370517.17                          | 4739465.89 | 0:00  | 0   | 0:00  | 0  |
| 1007                 | Year-Round Residence | Non-Participating    | Scipio | 370821.72                          | 4739460.53 | 0:00  | 0   | 0:00  | 0  |
| 1009                 | Year-Round Residence | Non-Participating    | Scipio | 371354.10                          | 4739524.57 | 0:00  | 0   | 0:00  | 0  |
| 1010                 | Year-Round Residence | Non-Participating    | Scipio | 371862.43                          | 4739542.54 | 0:00  | 0   | 0:00  | 0  |
| 1011                 | Year-Round Residence | Non-Participating    | Scipio | 370523.87                          | 4739200.23 | 0:00  | 0   | 0:00  | 0  |
| 1012                 | Year-Round Residence | Non-Participating    | Scipio | 370541.50                          | 4739143.51 | 0:00  | 0   | 0:00  | 0  |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1015                 | Year-Round Residence | Non-Participating    | Scipio | 370544.70                          | 4738981.30 | 0:00  | 0   | 0:00  | 0   |
| 1016                 | Year-Round Residence | Non-Participating    | Scipio | 370540.26                          | 4738900.02 | 0:00  | 0   | 0:00  | 0   |
| 1017                 | Year-Round Residence | Non-Participating    | Scipio | 370536.77                          | 4738798.84 | 0:00  | 0   | 0:00  | 0   |
| 1018                 | Year-Round Residence | Non-Participating    | Scipio | 370472.45                          | 4738704.63 | 0:00  | 0   | 0:00  | 0   |
| 1020                 | Year-Round Residence | Non-Participating    | Scipio | 370452.63                          | 4738107.00 | 0:00  | 0   | 0:00  | 0   |
| 1021                 | Year-Round Residence | Non-Participating    | Scipio | 370473.55                          | 4738175.43 | 0:00  | 0   | 0:00  | 0   |
| 1024                 | Year-Round Residence | Non-Participating    | Scipio | 370349.66                          | 4737924.26 | 0:00  | 0   | 0:00  | 0   |
| 1025                 | Year-Round Residence | Non-Participating    | Scipio | 370352.04                          | 4737853.18 | 0:00  | 0   | 0:00  | 0   |
| 1026                 | Year-Round Residence | Non-Participating    | Scipio | 370434.60                          | 4737917.10 | 0:00  | 0   | 0:00  | 0   |
| 1027                 | Year-Round Residence | Non-Participating    | Scipio | 370681.79                          | 4737939.76 | 0:00  | 0   | 0:00  | 0   |
| 1028                 | Year-Round Residence | Non-Participating    | Scipio | 370688.43                          | 4737855.88 | 0:00  | 0   | 0:00  | 0   |
| 1029                 | Year-Round Residence | Non-Participating    | Scipio | 370790.55                          | 4737930.56 | 0:00  | 0   | 0:00  | 0   |
| 1031                 | Year-Round Residence | Non-Participating    | Scipio | 371148.25                          | 4737953.00 | 0:00  | 0   | 0:00  | 0   |
| 1032                 | Year-Round Residence | Non-Participating    | Scipio | 371119.04                          | 4737893.65 | 0:00  | 0   | 0:00  | 0   |
| 1035                 | Year-Round Residence | Non-Participating    | Scipio | 371586.89                          | 4737971.67 | 0:00  | 0   | 0:00  | 0   |
| 1036                 | Year-Round Residence | Non-Participating    | Scipio | 371426.94                          | 4737962.80 | 0:00  | 0   | 0:00  | 0   |
| 1038                 | Year-Round Residence | Non-Participating    | Scipio | 372080.17                          | 4737926.23 | 0:00  | 0   | 0:00  | 0   |
| 1039                 | Year-Round Residence | Non-Participating    | Scipio | 372108.01                          | 4737927.29 | 0:00  | 0   | 0:00  | 0   |
| 1040                 | Year-Round Residence | Non-Participating    | Scipio | 372193.09                          | 4737927.02 | 0:00  | 0   | 0:00  | 0   |
| 1041                 | Year-Round Residence | Non-Participating    | Scipio | 372223.67                          | 4737890.14 | 0:00  | 0   | 0:00  | 0   |
| 1042                 | Year-Round Residence | Non-Participating    | Scipio | 372273.70                          | 4737934.69 | 0:00  | 0   | 0:00  | 0   |
| 1043                 | Year-Round Residence | Non-Participating    | Scipio | 372294.81                          | 4737938.87 | 0:00  | 0   | 0:00  | 0   |
| 1044                 | Year-Round Residence | Non-Participating    | Scipio | 372335.35                          | 4737938.96 | 0:00  | 0   | 0:00  | 0   |
| 1045                 | Year-Round Residence | Non-Participating    | Scipio | 372417.82                          | 4737940.46 | 0:00  | 0   | 0:00  | 0   |
| 1048                 | Year-Round Residence | Non-Participating    | Scipio | 370362.13                          | 4737411.30 | 0:00  | 0   | 0:00  | 0   |
| 1049                 | Year-Round Residence | Non-Participating    | Scipio | 370431.96                          | 4737296.15 | 0:00  | 0   | 0:00  | 0   |
| 1050                 | Year-Round Residence | Non-Participating    | Scipio | 370397.68                          | 4737235.04 | 0:00  | 0   | 0:00  | 0   |
| 1054                 | Year-Round Residence | Non-Participating    | Scipio | 370479.10                          | 4736941.43 | 0:00  | 0   | 0:00  | 0   |
| 1055                 | Year-Round Residence | Non-Participating    | Scipio | 370489.17                          | 4736866.29 | 8:30  | 24  | 2:05  | 125   |
| 1056                 | Year-Round Residence | Non-Participating    | Scipio | 370508.69                          | 4736803.33 | 8:56  | 24  | 2:15  | 135   |
| 1057                 | Year-Round Residence | Non-Participating    | Scipio | 370612.52                          | 4736211.42 | 14:32   | 26  | 3:43  | 223   |
| 1059                 | Year-Round Residence | Non-Participating    | Scipio | 370651.64                          | 4736150.12 | 18:31   | 26  | 4:50  | 290   |
| 1060                 | Year-Round Residence | Non-Participating    | Scipio | 370737.30                          | 4735824.12 | 0:00  | 0   | 0:00  | 0   |
| 1061                 | Year-Round Residence | Non-Participating    | Scipio | 370796.17                          | 4735753.47 | 0:00  | 0   | 0:00  | 0   |
| 1068                 | Year-Round Residence | Non-Participating    | Scipio | 370984.92                          | 4735784.99 | 0:00  | 0   | 0:00  | 0   |
| 1069                 | Year-Round Residence | Non-Participating    | Scipio | 370941.32                          | 4735776.20 | 0:00  | 0   | 0:00  | 0   |
| 1071                 | Year-Round Residence | Non-Participating    | Scipio | 371627.95                          | 4735862.12 | 0:00  | 0   | 0:00  | 0   |
| 1072                 | Year-Round Residence | Non-Participating    | Scipio | 371852.44                          | 4735915.93 | 0:00  | 0   | 0:00  | 0   |
| 1077                 | Year-Round Residence | Non-Participating    | Scipio | 372351.38                          | 4735665.18 | 0:00  | 0   | 0:00  | 0   |
| 1078                 | Year-Round Residence | Non-Participating    | Scipio | 370668.53                          | 4735769.92 | 0:00  | 0   | 0:00  | 0   |
| 1079                 | Year-Round Residence | Non-Participating    | Scipio | 370822.45                          | 4735679.32 | 0:00  | 0   | 0:00  | 0   |
| 1080                 | Year-Round Residence | Non-Participating    | Scipio | 370834.95                          | 4735677.92 | 0:00  | 0   | 0:00  | 0   |
| 1081                 | Year-Round Residence | Non-Participating    | Scipio | 370851.09                          | 4735668.58 | 0:00  | 0   | 0:00  | 0   |
| 1082                 | Year-Round Residence | Non-Participating    | Scipio | 370854.12                          | 4735658.91 | 0:00  | 0   | 0:00  | 0   |
| 1092                 | Year-Round Residence | Non-Participating    | Scipio | 370825.53                          | 4734806.52 | 0:00  | 0   | 0:00  | 0   |
| 1095                 | Year-Round Residence | Non-Participating    | Scipio | 371580.56                          | 4734816.77 | 0:00  | 0   | 0:00  | 0   |
| 1096                 | Year-Round Residence | Non-Participating    | Scipio | 371762.93                          | 4734798.49 | 0:00  | 0   | 0:00  | 0   |
| 1099                 | Year-Round Residence | Non-Participating    | Scipio | 371974.17                          | 4734843.08 | 13:58   | 26  | 2:51  | 171   |
| 1100                 | Year-Round Residence | Non-Participating    | Venice | 371821.36                          | 4734713.17 | 10:24   | 24  | 2:26  | 146   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1103                 | Year-Round Residence | Non-Participating    | Scipio | 372296.40                          | 4734835.13 | 46:58   | 34  | 9:20  | 560   |
| 1104                 | Year-Round Residence | Non-Participating    | Venice | 370896.40                          | 4734478.04 | 0:00  | 0   | 0:00  | 0   |
| 1107                 | Year-Round Residence | Non-Participating    | Venice | 370847.21                          | 4734272.15 | 0:00  | 0   | 0:00  | 0   |
| 1108                 | Year-Round Residence | Non-Participating    | Venice | 370879.40                          | 4733951.64 | 0:00  | 0   | 0:00  | 0   |
| 1113                 | Year-Round Residence | Non-Participating    | Venice | 370936.50                          | 4733488.98 | 0:00  | 0   | 0:00  | 0   |
| 1116                 | Year-Round Residence | Non-Participating    | Venice | 372285.65                          | 4732919.49 | 0:00  | 0   | 0:00  | 0   |
| 1117                 | Year-Round Residence | Non-Participating    | Venice | 372321.22                          | 4732954.31 | 0:00  | 0   | 0:00  | 0   |
| 1118                 | Year-Round Residence | Non-Participating    | Venice | 372300.82                          | 4733098.03 | 0:00  | 0   | 0:00  | 0   |
| 1119                 | Year-Round Residence | Non-Participating    | Venice | 372374.94                          | 4733070.73 | 17:24   | 25  | 4:33  | 273   |
| 1120                 | Year-Round Residence | Non-Participating    | Venice | 372336.95                          | 4733027.23 | 0:00  | 0   | 0:00  | 0   |
| 1121                 | Year-Round Residence | Non-Participating    | Venice | 372399.99                          | 4733070.26 | 15:15   | 24  | 3:59  | 239   |
| 1122                 | Year-Round Residence | Non-Participating    | Venice | 372252.76                          | 4732989.37 | 0:00  | 0   | 0:00  | 0   |
| 1123                 | Year-Round Residence | Non-Participating    | Venice | 372432.10                          | 4733070.22 | 12:30   | 23  | 3:15  | 195   |
| 1124                 | Year-Round Residence | Non-Participating    | Venice | 372452.08                          | 4733069.57 | 10:12   | 21  | 2:38  | 158   |
| 1125                 | Year-Round Residence | Non-Participating    | Venice | 372511.28                          | 4733087.61 | 7:31  | 18  | 1:56  | 116   |
| 1127                 | Year-Round Residence | Non-Participating    | Venice | 372589.81                          | 4733019.10 | 0:00  | 0   | 0:00  | 0   |
| 1128                 | Year-Round Residence | Non-Participating    | Venice | 372582.06                          | 4732927.73 | 0:00  | 0   | 0:00  | 0   |
| 1129                 | Year-Round Residence | Non-Participating    | Venice | 372542.30                          | 4732925.09 | 0:00  | 0   | 0:00  | 0   |
| 1133                 | Year-Round Residence | Non-Participating    | Venice | 371065.32                          | 4732364.50 | 0:00  | 0   | 0:00  | 0   |
| 1136                 | Year-Round Residence | Non-Participating    | Venice | 371144.54                          | 4732149.09 | 0:00  | 0   | 0:00  | 0   |
| 1152                 | Year-Round Residence | Non-Participating    | Venice | 370896.62                          | 4731944.72 | 0:00  | 0   | 0:00  | 0   |
| 1153                 | Year-Round Residence | Non-Participating    | Venice | 370742.82                          | 4731739.97 | 0:00  | 0   | 0:00  | 0   |
| 1154                 | Year-Round Residence | Non-Participating    | Venice | 370733.21                          | 4731153.71 | 0:00  | 0   | 0:00  | 0   |
| 1155                 | Year-Round Residence | Non-Participating    | Venice | 370677.56                          | 4731138.61 | 0:00  | 0   | 0:00  | 0   |
| 1156                 | Year-Round Residence | Non-Participating    | Venice | 371035.82                          | 4730909.73 | 0:00  | 0   | 0:00  | 0   |
| 1158                 | Year-Round Residence | Non-Participating    | Venice | 371261.41                          | 4731003.25 | 0:00  | 0   | 0:00  | 0   |
| 1159                 | Year-Round Residence | Non-Participating    | Venice | 371318.22                          | 4730914.77 | 0:00  | 0   | 0:00  | 0   |
| 1161                 | Year-Round Residence | Non-Participating    | Venice | 371581.43                          | 4731404.85 | 0:00  | 0   | 0:00  | 0   |
| 1162                 | Year-Round Residence | Non-Participating    | Venice | 371429.57                          | 4731581.17 | 0:00  | 0   | 0:00  | 0   |
| 1163                 | Year-Round Residence | Non-Participating    | Venice | 371407.66                          | 4731628.67 | 0:00  | 0   | 0:00  | 0   |
| 1164                 | Year-Round Residence | Non-Participating    | Venice | 372006.30                          | 4730073.93 | 0:00  | 0   | 0:00  | 0   |
| 1165                 | Year-Round Residence | Non-Participating    | Venice | 372058.30                          | 4729964.80 | 0:00  | 0   | 0:00  | 0   |
| 1167                 | Year-Round Residence | Non-Participating    | Venice | 372128.51                          | 4729716.48 | 0:00  | 0   | 0:00  | 0   |
| 1169                 | Year-Round Residence | Non-Participating    | Venice | 372319.27                          | 4729171.25 | 0:00  | 0   | 0:00  | 0   |
| 1170                 | Year-Round Residence | Non-Participating    | Venice | 372411.85                          | 4729072.80 | 0:00  | 0   | 0:00  | 0   |
| 1172                 | Year-Round Residence | Non-Participating    | Venice | 372384.80                          | 4728914.66 | 0:00  | 0   | 0:00  | 0   |
| 1173                 | Year-Round Residence | Non-Participating    | Venice | 372375.10                          | 4728866.30 | 0:00  | 0   | 0:00  | 0   |
| 1174                 | Year-Round Residence | Non-Participating    | Venice | 372580.64                          | 4728346.41 | 0:00  | 0   | 0:00  | 0   |
| 1176                 | Year-Round Residence | Non-Participating    | Venice | 372835.40                          | 4727842.73 | 0:00  | 0   | 0:00  | 0   |
| 1179                 | Year-Round Residence | Non-Participating    | Venice | 372780.48                          | 4727718.85 | 0:00  | 0   | 0:00  | 0   |
| 1181                 | Year-Round Residence | Non-Participating    | Venice | 373988.03                          | 4727567.69 | 0:00  | 0   | 0:00  | 0   |
| 1182                 | Year-Round Residence | Non-Participating    | Venice | 373846.44                          | 4727600.47 | 0:00  | 0   | 0:00  | 0   |
| 1183                 | Year-Round Residence | Non-Participating    | Venice | 373877.97                          | 4727507.40 | 0:00  | 0   | 0:00  | 0   |
| 1185                 | Year-Round Residence | Non-Participating    | Venice | 372892.74                          | 4730200.61 | 0:00  | 0   | 0:00  | 0   |
| 1188                 | Year-Round Residence | Non-Participating    | Scipio | 369085.70                          | 4738963.06 | 0:00  | 0   | 0:00  | 0   |
| 1189                 | Year-Round Residence | Non-Participating    | Scipio | 369147.02                          | 4738784.19 | 0:00  | 0   | 0:00  | 0   |
| 1190                 | Year-Round Residence | Non-Participating    | Scipio | 369194.56                          | 4738710.07 | 0:00  | 0   | 0:00  | 0   |
| 1191                 | Year-Round Residence | Non-Participating    | Scipio | 369201.58                          | 4738689.02 | 0:00  | 0   | 0:00  | 0   |
| 1192                 | Year-Round Residence | Non-Participating    | Scipio | 369290.09                          | 4738401.70 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1193                 | Year-Round Residence | Non-Participating    | Scipio | 369388.53                          | 4737969.73 | 0:00  | 0   | 0:00  | 0   |
| 1194                 | Year-Round Residence | Non-Participating    | Scipio | 369361.68                          | 4737873.93 | 0:00  | 0   | 0:00  | 0   |
| 1195                 | Year-Round Residence | Non-Participating    | Scipio | 369416.05                          | 4737868.77 | 0:00  | 0   | 0:00  | 0   |
| 1196                 | Year-Round Residence | Non-Participating    | Scipio | 370018.47                          | 4737909.32 | 0:00  | 0   | 0:00  | 0   |
| 1197                 | Year-Round Residence | Non-Participating    | Scipio | 369870.77                          | 4737835.68 | 0:00  | 0   | 0:00  | 0   |
| 1198                 | Year-Round Residence | Non-Participating    | Scipio | 369897.60                          | 4737887.84 | 0:00  | 0   | 0:00  | 0   |
| 1199                 | Year-Round Residence | Non-Participating    | Scipio | 370056.92                          | 4737846.17 | 0:00  | 0   | 0:00  | 0   |
| 1200                 | Year-Round Residence | Non-Participating    | Scipio | 370061.19                          | 4737900.28 | 0:00  | 0   | 0:00  | 0   |
| 1202                 | Year-Round Residence | Non-Participating    | Scipio | 370140.34                          | 4737839.63 | 0:00  | 0   | 0:00  | 0   |
| 1205                 | Year-Round Residence | Non-Participating    | Scipio | 369449.40                          | 4737790.37 | 0:00  | 0   | 0:00  | 0   |
| 1206                 | Year-Round Residence | Non-Participating    | Scipio | 369577.30                          | 4737144.02 | 0:00  | 0   | 0:00  | 0   |
| 1207                 | Year-Round Residence | Non-Participating    | Scipio | 369512.07                          | 4737207.79 | 0:00  | 0   | 0:00  | 0   |
| 1209                 | Year-Round Residence | Non-Participating    | Scipio | 369538.47                          | 4737068.15 | 0:00  | 0   | 0:00  | 0   |
| 1213                 | Year-Round Residence | Non-Participating    | Scipio | 369541.06                          | 4736695.86 | 0:00  | 0   | 0:00  | 0   |
| 1215                 | Year-Round Residence | Non-Participating    | Scipio | 369515.39                          | 4735798.02 | 0:00  | 0   | 0:00  | 0   |
| 1216                 | Year-Round Residence | Non-Participating    | Scipio | 369605.83                          | 4735790.39 | 0:00  | 0   | 0:00  | 0   |
| 1220                 | Year-Round Residence | Non-Participating    | Scipio | 370111.60                          | 4735941.57 | 0:00  | 0   | 0:00  | 0   |
| 1221                 | Year-Round Residence | Non-Participating    | Scipio | 370072.30                          | 4735808.85 | 0:00  | 0   | 0:00  | 0   |
| 1222                 | Year-Round Residence | Non-Participating    | Scipio | 370207.37                          | 4735830.85 | 0:00  | 0   | 0:00  | 0   |
| 1223                 | Year-Round Residence | Non-Participating    | Scipio | 370320.12                          | 4735811.98 | 0:00  | 0   | 0:00  | 0   |
| 1224                 | Year-Round Residence | Non-Participating    | Scipio | 370372.61                          | 4735834.63 | 0:00  | 0   | 0:00  | 0   |
| 1225                 | Year-Round Residence | Non-Participating    | Scipio | 370481.01                          | 4735870.90 | 0:00  | 0   | 0:00  | 0   |
| 1226                 | Year-Round Residence | Non-Participating    | Scipio | 370615.10                          | 4735822.96 | 0:00  | 0   | 0:00  | 0   |
| 1227                 | Year-Round Residence | Non-Participating    | Scipio | 370524.14                          | 4735822.94 | 0:00  | 0   | 0:00  | 0   |
| 1228                 | Year-Round Residence | Non-Participating    | Scipio | 370562.34                          | 4735746.58 | 0:00  | 0   | 0:00  | 0   |
| 1229                 | Year-Round Residence | Non-Participating    | Scipio | 370476.78                          | 4735850.84 | 0:00  | 0   | 0:00  | 0   |
| 1230                 | Year-Round Residence | Non-Participating    | Scipio | 369194.35                          | 4735646.67 | 0:00  | 0   | 0:00  | 0   |
| 1231                 | Year-Round Residence | Non-Participating    | Scipio | 368616.98                          | 4735594.86 | 0:00  | 0   | 0:00  | 0   |
| 1232                 | Year-Round Residence | Non-Participating    | Scipio | 369540.78                          | 4735285.06 | 0:00  | 0   | 0:00  | 0   |
| 1233                 | Year-Round Residence | Non-Participating    | Scipio | 369619.47                          | 4735310.17 | 0:00  | 0   | 0:00  | 0   |
| 1234                 | Year-Round Residence | Non-Participating    | Scipio | 369627.39                          | 4735256.20 | 0:00  | 0   | 0:00  | 0   |
| 1235                 | Year-Round Residence | Non-Participating    | Scipio | 369562.65                          | 4735161.54 | 0:00  | 0   | 0:00  | 0   |
| 1237                 | Year-Round Residence | Non-Participating    | Venice | 369329.74                          | 4734679.28 | 0:00  | 0   | 0:00  | 0   |
| 1238                 | Year-Round Residence | Non-Participating    | Venice | 369261.99                          | 4734679.19 | 0:00  | 0   | 0:00  | 0   |
| 1239                 | Year-Round Residence | Non-Participating    | Scipio | 369176.77                          | 4734764.54 | 0:00  | 0   | 0:00  | 0   |
| 1241                 | Year-Round Residence | Non-Participating    | Venice | 369680.97                          | 4734672.69 | 0:00  | 0   | 0:00  | 0   |
| 1244                 | Year-Round Residence | Non-Participating    | Venice | 369955.51                          | 4734697.47 | 0:00  | 0   | 0:00  | 0   |
| 1245                 | Year-Round Residence | Non-Participating    | Venice | 370024.77                          | 4734695.73 | 0:00  | 0   | 0:00  | 0   |
| 1246                 | Year-Round Residence | Non-Participating    | Venice | 369689.97                          | 4733097.85 | 0:00  | 0   | 0:00  | 0   |
| 1251                 | Year-Round Residence | Non-Participating    | Venice | 370185.96                          | 4733133.42 | 0:00  | 0   | 0:00  | 0   |
| 1252                 | Year-Round Residence | Non-Participating    | Venice | 370211.86                          | 4733139.87 | 0:00  | 0   | 0:00  | 0   |
| 1256                 | Year-Round Residence | Non-Participating    | Venice | 370704.31                          | 4733121.91 | 0:00  | 0   | 0:00  | 0   |
| 1258                 | Year-Round Residence | Non-Participating    | Venice | 370436.72                          | 4730647.22 | 0:00  | 0   | 0:00  | 0   |
| 1259                 | Year-Round Residence | Non-Participating    | Venice | 370360.49                          | 4730618.02 | 0:00  | 0   | 0:00  | 0   |
| 1260                 | Year-Round Residence | Non-Participating    | Venice | 370191.83                          | 4729899.20 | 0:00  | 0   | 0:00  | 0   |
| 1261                 | Year-Round Residence | Non-Participating    | Venice | 370318.89                          | 4729913.51 | 0:00  | 0   | 0:00  | 0   |
| 1263                 | Year-Round Residence | Non-Participating    | Venice | 370439.71                          | 4729850.72 | 0:00  | 0   | 0:00  | 0   |
| 1264                 | Year-Round Residence | Non-Participating    | Venice | 370755.62                          | 4729928.49 | 0:00  | 0   | 0:00  | 0   |
| 1265                 | Year-Round Residence | Non-Participating    | Venice | 371028.92                          | 4729857.94 | 0:00  | 0   | 0:00  | 0   |

Table B-1.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points

| Modeling Receptor ID  | Receptor Type               | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1266  | Year-Round Residence        | Non-Participating        | Venice        | 371372.61                          | 4729984.93        | 0:00  | 0   | 0:00  | 0   |
| 1267  | Year-Round Residence        | Non-Participating        | Venice        | 371877.86                          | 4729899.42        | 0:00  | 0   | 0:00  | 0   |
| 1268  | Year-Round Residence        | Non-Participating        | Venice        | 371437.77                          | 4728155.22        | 0:00  | 0   | 0:00  | 0   |
| 1269  | Year-Round Residence        | Non-Participating        | Venice        | 371374.62                          | 4728198.61        | 0:00  | 0   | 0:00  | 0   |
| 1272  | Year-Round Residence        | Non-Participating        | Venice        | 371716.71                          | 4728190.43        | 0:00  | 0   | 0:00  | 0   |
| 1273  | Year-Round Residence        | Non-Participating        | Venice        | 371955.34                          | 4727968.40        | 0:00  | 0   | 0:00  | 0   |
| 1274  | Year-Round Residence        | Non-Participating        | Venice        | 372687.17                          | 4727898.00        | 0:00  | 0   | 0:00  | 0   |
| 1277  | Year-Round Residence        | Non-Participating        | Scipio        | 369164.96                          | 4737764.67        | 0:00  | 0   | 0:00  | 0   |
| 1278  | Year-Round Residence        | Non-Participating        | Scipio        | 369025.74                          | 4737884.46        | 0:00  | 0   | 0:00  | 0   |
| 1279  | Year-Round Residence        | Non-Participating        | Scipio        | 368880.82                          | 4737805.28        | 0:00  | 0   | 0:00  | 0   |
| 1280  | Year-Round Residence        | Non-Participating        | Scipio        | 368738.72                          | 4737827.60        | 0:00  | 0   | 0:00  | 0   |
| 1282  | Year-Round Residence        | Non-Participating        | Scipio        | 368761.86                          | 4737884.60        | 0:00  | 0   | 0:00  | 0   |
| 1285  | Year-Round Residence        | Non-Participating        | Scipio        | 368620.63                          | 4737869.95        | 0:00  | 0   | 0:00  | 0   |
| 1286  | Year-Round Residence        | Non-Participating        | Moravia       | 380154.73                          | 4732486.54        | 0:00  | 0   | 0:00  | 0   |
| 1291  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.68                          | 4734999.45        | 0:00  | 0   | 0:00  | 0   |
| 1293  | Year-Round Residence        | Non-Participating        | Venice        | 374464.99                          | 4727707.51        | 0:00  | 0   | 0:00  | 0   |
| 1294  | Year-Round Residence        | Non-Participating        | Venice        | 373691.57                          | 4730045.59        | 0:00  | 0   | 0:00  | 0   |
| 1295  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.97                          | 4731539.77        | 0:00  | 0   | 0:00  | 0   |
| 1296  | Year-Round Residence        | Non-Participating        | Venice        | 375629.01                          | 4731140.04        | 0:00  | 0   | 0:00  | 0   |
| 1297  | Year-Round Residence        | Non-Participating        | Venice        | 379246.62                          | 4732319.99        | 0:00  | 0   | 0:00  | 0   |
| 1298  | Year-Round Residence        | Non-Participating        | Venice        | 378386.72                          | 4732826.33        | 0:00  | 0   | 0:00  | 0   |
| 1299  | Year-Round Residence        | Non-Participating        | Venice        | 377786.82                          | 4732785.06        | 19:06   | 24  | 2:28  | 148   |
| 1300  | Year-Round Residence        | Non-Participating        | Scipio        | 377751.67                          | 4736256.75        | 0:00  | 0   | 0:00  | 0   |
| 1301  | Seasonal Residence          | Non-Participating        | Scipio        | 377097.07                          | 4738891.37        | 0:00  | 0   | 0:00  | 0   |
| 1302  | Year-Round Residence        | Non-Participating        | Scipio        | 376618.19                          | 4738159.86        | 0:00  | 0   | 0:00  | 0   |
| 1303  | Seasonal Residence          | Non-Participating        | Venice        | 379532.17                          | 4734569.54        | 0:00  | 0   | 0:00  | 0   |
| 1304  | Year-Round Residence        | Non-Participating        | Scipio        | 376201.96                          | 4738976.16        | 0:00  | 0   | 0:00  | 0   |
| 1309  | Seasonal Residence          | Non-Participating        | Scipio        | 377090.59                          | 4738950.65        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors |                             |                          |               |                                    |                   |   |   |   |   |
| <b>482</b>  | <b>Year-Round Residence</b> | <b>Non-Participating</b> | <b>Scipio</b> | <b>374925.84</b>                   | <b>4737438.08</b> | <b>297:33</b>   | <b>120</b>  | <b>62:56</b>  | <b>3776</b>   |
| <b>1309</b>   | <b>Seasonal Residence</b>   | <b>Non-Participating</b> | <b>Scipio</b> | <b>377090.59</b>                   | <b>4738950.65</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 482                  | Year-Round Residence | Non-Participating    | Scipio | 374925.84                          | 4737438.08 | 297:33  | 120   | 62:56   | 3776  |
| 481                  | Year-Round Residence | Non-Participating    | Scipio | 374974.48                          | 4737549.55 | 253:15  | 76  | 59:00   | 3540  |
| 495                  | Year-Round Residence | Non-Participating    | Scipio | 375031.21                          | 4735612.39 | 200:54  | 84  | 43:49   | 2629  |
| 484                  | Year-Round Residence | Non-Participating    | Scipio | 374939.22                          | 4736669.29 | 194:13  | 122   | 41:32   | 2492  |
| 480                  | Year-Round Residence | Non-Participating    | Scipio | 374967.87                          | 4737620.62 | 178:54  | 76  | 39:44   | 2384  |
| 839                  | Year-Round Residence | Non-Participating    | Venice | 375433.68                          | 4731653.44 | 145:38  | 96  | 38:52   | 2332  |
| 785                  | Year-Round Residence | Non-Participating    | Scipio | 372497.81                          | 4736650.08 | 151:13  | 63  | 38:14   | 2294  |
| 786                  | Year-Round Residence | Non-Participating    | Scipio | 372554.51                          | 4736551.55 | 131:19  | 57  | 35:34   | 2134  |
| 496                  | Year-Round Residence | Non-Participating    | Scipio | 376146.86                          | 4735647.17 | 137:38  | 71  | 35:26   | 2126  |
| 787                  | Year-Round Residence | Non-Participating    | Scipio | 372574.58                          | 4736372.75 | 106:33  | 55  | 33:32   | 2012  |
| 795                  | Year-Round Residence | Non-Participating    | Scipio | 373910.82                          | 4737146.69 | 148:40  | 53  | 32:10   | 1930  |
| 610                  | Year-Round Residence | Non-Participating    | Venice | 377067.11                          | 4732036.69 | 111:38  | 67  | 27:32   | 1652  |
| 794                  | Year-Round Residence | Non-Participating    | Scipio | 373951.61                          | 4737236.92 | 128:03  | 55  | 26:40   | 1600  |
| 807                  | Year-Round Residence | Non-Participating    | Venice | 375108.29                          | 4733619.37 | 94:54   | 60  | 24:36   | 1476  |
| 483                  | Year-Round Residence | Non-Participating    | Scipio | 375007.87                          | 4736728.17 | 126:20  | 85  | 24:21   | 1461  |
| 507                  | Year-Round Residence | Non-Participating    | Scipio | 376657.73                          | 4734976.08 | 89:06   | 88  | 24:02   | 1442  |
| 779                  | Year-Round Residence | Non-Participating    | Scipio | 372560.91                          | 4736967.97 | 118:09  | 83  | 23:21   | 1401  |
| 501                  | Year-Round Residence | Non-Participating    | Scipio | 376544.86                          | 4735620.45 | 94:21   | 42  | 22:14   | 1334  |
| 796                  | Year-Round Residence | Non-Participating    | Scipio | 374221.46                          | 4735486.15 | 95:01   | 58  | 21:31   | 1291  |
| 805                  | Year-Round Residence | Non-Participating    | Venice | 375026.12                          | 4733664.81 | 83:29   | 53  | 21:04   | 1264  |
| 780                  | Year-Round Residence | Non-Participating    | Scipio | 372548.55                          | 4737140.96 | 117:08  | 77  | 20:57   | 1257  |
| 613                  | Year-Round Residence | Non-Participating    | Venice | 377082.27                          | 4731629.31 | 56:16   | 53  | 18:37   | 1117  |
| 488                  | Year-Round Residence | Non-Participating    | Scipio | 375742.09                          | 4736623.57 | 77:33   | 32  | 18:10   | 1090  |
| 758                  | Year-Round Residence | Non-Participating    | Scipio | 374175.98                          | 4738031.44 | 94:10   | 69  | 17:45   | 1065  |
| 835                  | Year-Round Residence | Non-Participating    | Venice | 375344.68                          | 4732619.86 | 90:07   | 57  | 17:24   | 1044  |
| 797                  | Year-Round Residence | Non-Participating    | Scipio | 374168.89                          | 4735587.85 | 86:46   | 51  | 17:04   | 1024  |
| 942                  | Year-Round Residence | Non-Participating    | Venice | 373065.32                          | 4731455.36 | 80:24   | 46  | 16:44   | 1004  |
| 802                  | Year-Round Residence | Non-Participating    | Venice | 374907.98                          | 4733958.24 | 60:46   | 52  | 16:37   | 997   |
| 923                  | Year-Round Residence | Non-Participating    | Venice | 373055.62                          | 4731591.88 | 67:38   | 42  | 15:34   | 934   |
| 924                  | Year-Round Residence | Non-Participating    | Venice | 373090.77                          | 4731580.96 | 65:53   | 43  | 15:19   | 919   |
| 467                  | Year-Round Residence | Non-Participating    | Scipio | 374967.38                          | 4737991.30 | 104:29  | 63  | 15:12   | 912   |
| 831                  | Year-Round Residence | Non-Participating    | Venice | 375354.48                          | 4732772.84 | 79:01   | 53  | 15:04   | 904   |
| 806                  | Year-Round Residence | Non-Participating    | Venice | 375114.80                          | 4733552.03 | 54:20   | 54  | 14:18   | 858   |
| 808                  | Year-Round Residence | Non-Participating    | Venice | 375053.87                          | 4733526.34 | 52:55   | 51  | 13:59   | 839   |
| 578                  | Year-Round Residence | Non-Participating    | Venice | 376630.83                          | 4733511.46 | 44:31   | 36  | 13:02   | 782   |
| 944                  | Year-Round Residence | Non-Participating    | Venice | 373108.64                          | 4731276.61 | 51:55   | 54  | 12:17   | 737   |
| 820                  | Year-Round Residence | Non-Participating    | Venice | 375401.74                          | 4732978.32 | 62:32   | 43  | 11:16   | 676   |
| 577                  | Year-Round Residence | Non-Participating    | Venice | 376703.96                          | 4733873.22 | 44:23   | 35  | 11:08   | 668   |
| 793                  | Year-Round Residence | Non-Participating    | Scipio | 373684.57                          | 4735938.55 | 49:07   | 33  | 10:42   | 642   |
| 829                  | Year-Round Residence | Non-Participating    | Venice | 375277.07                          | 4732794.35 | 55:15   | 41  | 10:08   | 608   |
| 819                  | Year-Round Residence | Non-Participating    | Venice | 375368.69                          | 4733021.58 | 53:59   | 41  | 9:54  | 594   |
| 506                  | Year-Round Residence | Non-Participating    | Scipio | 377928.65                          | 4735032.12 | 38:39   | 48  | 9:48  | 588   |
| 574                  | Year-Round Residence | Non-Participating    | Venice | 376593.51                          | 4734161.61 | 46:42   | 56  | 9:46  | 586   |
| 830                  | Year-Round Residence | Non-Participating    | Venice | 375319.61                          | 4732852.63 | 52:46   | 42  | 9:44  | 584   |
| 753                  | Year-Round Residence | Non-Participating    | Scipio | 373808.43                          | 4737955.68 | 42:53   | 44  | 9:28  | 568   |
| 945                  | Year-Round Residence | Non-Participating    | Venice | 372998.17                          | 4731232.32 | 37:26   | 47  | 9:22  | 562   |
| 885                  | Year-Round Residence | Non-Participating    | Venice | 372557.14                          | 4733289.33 | 35:50   | 31  | 9:21  | 561   |
| 1103                 | Year-Round Residence | Non-Participating    | Scipio | 372296.40                          | 4734835.13 | 46:58   | 34  | 9:20  | 560   |
| 940                  | Year-Round Residence | Non-Participating    | Venice | 375030.96                          | 4731556.61 | 38:45   | 38  | 9:19  | 559   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 520                  | Year-Round Residence | Non-Participating    | Venice | 378246.23                          | 4734106.95 | 66:36   | 49  | 9:14  | 554  |
| 876                  | Year-Round Residence | Non-Participating    | Venice | 373039.66                          | 4734776.69 | 37:36   | 47  | 9:14  | 554  |
| 941                  | Year-Round Residence | Non-Participating    | Venice | 375080.37                          | 4731582.55 | 36:33   | 40  | 9:12  | 552  |
| 468                  | Year-Round Residence | Non-Participating    | Scipio | 375108.65                          | 4737989.01 | 58:12   | 52  | 9:01  | 541  |
| 575                  | Year-Round Residence | Non-Participating    | Venice | 376668.33                          | 4734190.36 | 44:11   | 43  | 8:58  | 538  |
| 583                  | Year-Round Residence | Non-Participating    | Venice | 376703.75                          | 4732897.46 | 64:49   | 47  | 8:52  | 532  |
| 886                  | Year-Round Residence | Non-Participating    | Venice | 372556.04                          | 4733242.62 | 33:11   | 30  | 8:41  | 521  |
| 504                  | Year-Round Residence | Non-Participating    | Scipio | 377807.23                          | 4735447.82 | 57:27   | 48  | 8:34  | 514  |
| 505                  | Year-Round Residence | Non-Participating    | Scipio | 377791.24                          | 4735544.38 | 60:52   | 47  | 8:27  | 507  |
| 760                  | Year-Round Residence | Non-Participating    | Scipio | 374440.94                          | 4738036.46 | 44:43   | 64  | 7:50  | 470  |
| 939                  | Year-Round Residence | Non-Participating    | Venice | 374996.64                          | 4731640.06 | 31:51   | 37  | 7:27  | 447  |
| 777                  | Year-Round Residence | Non-Participating    | Scipio | 372483.31                          | 4737507.24 | 40:43   | 37  | 7:19  | 439  |
| 887                  | Year-Round Residence | Non-Participating    | Venice | 372563.78                          | 4733208.31 | 27:56   | 30  | 7:19  | 439  |
| 931                  | Year-Round Residence | Non-Participating    | Venice | 373764.63                          | 4731618.96 | 27:38   | 26  | 7:16  | 436  |
| 489                  | Year-Round Residence | Non-Participating    | Scipio | 376655.28                          | 4736709.73 | 38:50   | 29  | 6:57  | 417  |
| 810                  | Year-Round Residence | Non-Participating    | Venice | 375111.95                          | 4733266.67 | 33:57   | 30  | 6:54  | 414  |
| 522                  | Year-Round Residence | Non-Participating    | Venice | 378350.97                          | 4734011.81 | 43:47   | 46  | 6:52  | 412  |
| 469                  | Year-Round Residence | Non-Participating    | Scipio | 375207.68                          | 4737981.34 | 40:49   | 46  | 6:50  | 410  |
| 812                  | Year-Round Residence | Non-Participating    | Venice | 375216.01                          | 4733158.13 | 38:01   | 34  | 6:47  | 407  |
| 582                  | Year-Round Residence | Non-Participating    | Venice | 376807.56                          | 4732982.80 | 50:12   | 41  | 6:43  | 403  |
| 911                  | Year-Round Residence | Non-Participating    | Venice | 374847.07                          | 4733033.74 | 23:54   | 27  | 6:40  | 400  |
| 788                  | Year-Round Residence | Non-Participating    | Scipio | 372506.73                          | 4736207.67 | 25:39   | 36  | 6:29  | 389  |
| 470                  | Year-Round Residence | Non-Participating    | Scipio | 375227.58                          | 4738054.71 | 42:11   | 44  | 6:23  | 383  |
| 817                  | Year-Round Residence | Non-Participating    | Venice | 375266.84                          | 4732966.56 | 31:56   | 38  | 6:23  | 383  |
| 936                  | Year-Round Residence | Non-Participating    | Venice | 374660.72                          | 4731649.70 | 36:01   | 27  | 6:21  | 381  |
| 749                  | Year-Round Residence | Non-Participating    | Scipio | 373354.28                          | 4738009.81 | 30:40   | 28  | 6:18  | 378  |
| 888                  | Year-Round Residence | Non-Participating    | Venice | 372554.22                          | 4733180.93 | 23:30   | 29  | 6:09  | 369  |
| 775                  | Year-Round Residence | Non-Participating    | Scipio | 372435.83                          | 4737561.25 | 34:15   | 35  | 6:06  | 366  |
| 938                  | Year-Round Residence | Non-Participating    | Venice | 374712.92                          | 4731487.62 | 29:38   | 28  | 6:06  | 366  |
| 933                  | Year-Round Residence | Non-Participating    | Venice | 373961.25                          | 4731621.47 | 22:57   | 30  | 6:01  | 361  |
| 500                  | Year-Round Residence | Non-Participating    | Scipio | 376915.88                          | 4735627.65 | 23:33   | 28  | 5:55  | 355  |
| 811                  | Year-Round Residence | Non-Participating    | Venice | 375129.95                          | 4733223.44 | 32:27   | 31  | 5:45  | 345  |
| 774                  | Year-Round Residence | Non-Participating    | Scipio | 372480.04                          | 4737556.02 | 31:58   | 36  | 5:41  | 341  |
| 822                  | Year-Round Residence | Non-Participating    | Venice | 375183.00                          | 4732895.90 | 24:10   | 36  | 5:28  | 328  |
| 491                  | Year-Round Residence | Non-Participating    | Scipio | 376392.38                          | 4736765.18 | 18:11   | 31  | 5:22  | 322  |
| 875                  | Year-Round Residence | Non-Participating    | Scipio | 372591.73                          | 4734882.41 | 24:51   | 29  | 5:17  | 317  |
| 747                  | Year-Round Residence | Non-Participating    | Scipio | 373305.95                          | 4737947.52 | 24:46   | 28  | 5:16  | 316  |
| 901                  | Year-Round Residence | Non-Participating    | Venice | 373343.03                          | 4732903.87 | 29:40   | 29  | 5:15  | 315  |
| 932                  | Year-Round Residence | Non-Participating    | Venice | 373800.11                          | 4731540.05 | 19:52   | 27  | 5:12  | 312  |
| 521                  | Year-Round Residence | Non-Participating    | Venice | 378460.52                          | 4734061.70 | 32:58   | 40  | 5:09  | 309  |
| 922                  | Year-Round Residence | Non-Participating    | Venice | 373100.98                          | 4731704.26 | 19:19   | 27  | 4:58  | 298  |
| 908                  | Year-Round Residence | Non-Participating    | Venice | 374236.89                          | 4732939.33 | 28:04   | 33  | 4:56  | 296  |
| 609                  | Year-Round Residence | Non-Participating    | Venice | 377049.09                          | 4732673.75 | 28:37   | 34  | 4:54  | 294  |
| 418                  | Year-Round Residence | Non-Participating    | Scipio | 377968.10                          | 4735715.79 | 36:02   | 36  | 4:53  | 293  |
| 1059                 | Year-Round Residence | Non-Participating    | Scipio | 370651.64                          | 4736150.12 | 18:31   | 26  | 4:50  | 290  |
| 474                  | Year-Round Residence | Non-Participating    | Scipio | 375852.74                          | 4737710.15 | 23:25   | 26  | 4:41  | 281  |
| 880                  | Year-Round Residence | Non-Participating    | Venice | 372567.31                          | 4733537.57 | 18:13   | 31  | 4:39  | 279  |
| 615                  | Year-Round Residence | Non-Participating    | Venice | 377683.41                          | 4731648.39 | 15:25   | 30  | 4:38  | 278  |
| 879                  | Year-Round Residence | Non-Participating    | Venice | 372666.33                          | 4733845.43 | 18:00   | 33  | 4:35  | 275  |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 466                  | Year-Round Residence | Non-Participating    | Scipio  | 374880.46                          | 4738134.81 | 33:25   | 48  | 4:34  | 274   |
| 524                  | Year-Round Residence | Non-Participating    | Venice  | 378599.67                          | 4733825.60 | 22:38   | 37  | 4:33  | 273   |
| 1119                 | Year-Round Residence | Non-Participating    | Venice  | 372374.94                          | 4733070.73 | 17:24   | 25  | 4:33  | 273   |
| 877                  | Year-Round Residence | Non-Participating    | Venice  | 372685.62                          | 4733910.32 | 18:15   | 33  | 4:32  | 272   |
| 529                  | Year-Round Residence | Non-Participating    | Venice  | 379001.19                          | 4733197.89 | 13:49   | 26  | 4:20  | 260   |
| 490                  | Year-Round Residence | Non-Participating    | Scipio  | 376574.74                          | 4736803.76 | 18:18   | 27  | 4:17  | 257   |
| 872                  | Year-Round Residence | Non-Participating    | Scipio  | 372709.18                          | 4735194.33 | 21:06   | 30  | 4:01  | 241   |
| 871                  | Year-Round Residence | Non-Participating    | Scipio  | 372709.38                          | 4735422.95 | 22:50   | 28  | 3:59  | 239   |
| 1121                 | Year-Round Residence | Non-Participating    | Venice  | 372399.99                          | 4733070.26 | 15:15   | 24  | 3:59  | 239   |
| 773                  | Year-Round Residence | Non-Participating    | Scipio  | 372478.65                          | 4737599.25 | 22:42   | 32  | 3:57  | 237   |
| 473                  | Year-Round Residence | Non-Participating    | Scipio  | 375456.64                          | 4738084.92 | 23:27   | 35  | 3:50  | 230   |
| 900                  | Year-Round Residence | Non-Participating    | Venice  | 373267.68                          | 4733011.05 | 21:27   | 27  | 3:43  | 223   |
| 1057                 | Year-Round Residence | Non-Participating    | Scipio  | 370612.52                          | 4736211.42 | 14:32   | 26  | 3:43  | 223   |
| 525                  | Year-Round Residence | Non-Participating    | Venice  | 378864.11                          | 4733616.76 | 14:30   | 30  | 3:38  | 218   |
| 790                  | Year-Round Residence | Non-Participating    | Scipio  | 373185.29                          | 4735915.59 | 10:34   | 16  | 3:38  | 218   |
| 608                  | Year-Round Residence | Non-Participating    | Venice  | 377042.60                          | 4732736.57 | 18:41   | 34  | 3:32  | 212   |
| 416                  | Year-Round Residence | Non-Participating    | Scipio  | 378241.69                          | 4735331.41 | 17:21   | 32  | 3:20  | 200   |
| 635                  | Year-Round Residence | Non-Participating    | Venice  | 377143.43                          | 4731488.18 | 11:00   | 25  | 3:20  | 200   |
| 502                  | Year-Round Residence | Non-Participating    | Scipio  | 377046.68                          | 4735638.14 | 11:16   | 25  | 3:16  | 196   |
| 1123                 | Year-Round Residence | Non-Participating    | Venice  | 372432.10                          | 4733070.22 | 12:30   | 23  | 3:15  | 195   |
| 809                  | Year-Round Residence | Non-Participating    | Venice  | 375165.68                          | 4733296.26 | 18:49   | 29  | 3:13  | 193   |
| 919                  | Year-Round Residence | Non-Participating    | Venice  | 372982.53                          | 4731811.62 | 12:57   | 25  | 3:12  | 192   |
| 935                  | Year-Round Residence | Non-Participating    | Venice  | 374326.19                          | 4731562.59 | 22:18   | 35  | 2:52  | 172   |
| 1099                 | Year-Round Residence | Non-Participating    | Scipio  | 371974.17                          | 4734843.08 | 13:58   | 26  | 2:51  | 171   |
| 792                  | Year-Round Residence | Non-Participating    | Scipio  | 373337.00                          | 4735832.49 | 10:44   | 25  | 2:45  | 165   |
| 415                  | Year-Round Residence | Non-Participating    | Scipio  | 378369.73                          | 4735340.63 | 13:51   | 29  | 2:40  | 160   |
| 526                  | Year-Round Residence | Non-Participating    | Venice  | 379169.12                          | 4733416.33 | 9:31  | 24  | 2:40  | 160   |
| 1124                 | Year-Round Residence | Non-Participating    | Venice  | 372452.08                          | 4733069.57 | 10:12   | 21  | 2:38  | 158   |
| 586                  | Year-Round Residence | Non-Participating    | Venice  | 377128.42                          | 4732912.35 | 15:02   | 30  | 2:35  | 155   |
| 584                  | Year-Round Residence | Non-Participating    | Venice  | 377104.75                          | 4733021.03 | 17:07   | 30  | 2:29  | 149   |
| 1299                 | Year-Round Residence | Non-Participating    | Venice  | 377786.82                          | 4732785.06 | 19:06   | 24  | 2:28  | 148   |
| 1100                 | Year-Round Residence | Non-Participating    | Venice  | 371821.36                          | 4734713.17 | 10:24   | 24  | 2:26  | 146   |
| 1056                 | Year-Round Residence | Non-Participating    | Scipio  | 370508.69                          | 4736803.33 | 8:56  | 24  | 2:15  | 135   |
| 492                  | Year-Round Residence | Non-Participating    | Scipio  | 376776.58                          | 4736852.19 | 17:25   | 25  | 2:14  | 134   |
| 585                  | Year-Round Residence | Non-Participating    | Venice  | 377197.24                          | 4732976.44 | 13:01   | 28  | 2:07  | 127   |
| 1055                 | Year-Round Residence | Non-Participating    | Scipio  | 370489.17                          | 4736866.29 | 8:30  | 24  | 2:05  | 125   |
| 745                  | Year-Round Residence | Non-Participating    | Scipio  | 373103.70                          | 4737941.79 | 8:46  | 24  | 2:04  | 124   |
| 827                  | Year-Round Residence | Non-Participating    | Venice  | 376207.34                          | 4732965.22 | 15:50   | 21  | 2:02  | 122   |
| 405                  | Year-Round Residence | Non-Participating    | Scipio  | 378452.25                          | 4735789.17 | 14:12   | 25  | 2:01  | 121   |
| 465                  | Year-Round Residence | Non-Participating    | Scipio  | 374960.11                          | 4738204.84 | 15:23   | 32  | 2:00  | 120   |
| 412                  | Year-Round Residence | Non-Participating    | Venice  | 378600.96                          | 4735293.06 | 9:53  | 24  | 1:58  | 118   |
| 1125                 | Year-Round Residence | Non-Participating    | Venice  | 372511.28                          | 4733087.61 | 7:31  | 18  | 1:56  | 116   |
| 951                  | Year-Round Residence | Non-Participating    | Venice  | 375121.88                          | 4730855.12 | 5:13  | 17  | 1:22  | 82  |
| 934                  | Year-Round Residence | Non-Participating    | Venice  | 374117.12                          | 4731627.46 | 4:11  | 15  | 1:04  | 64  |
| 892                  | Year-Round Residence | Non-Participating    | Venice  | 372635.66                          | 4733138.84 | 3:40  | 14  | 0:56  | 56  |
| 890                  | Year-Round Residence | Non-Participating    | Venice  | 372592.18                          | 4733112.54 | 2:48  | 12  | 0:42  | 42  |
| 1                    | Year-Round Residence | Non-Participating    | Moravia | 380974.40                          | 4734987.20 | 0:00  | 0   | 0:00  | 0   |
| 2                    | Year-Round Residence | Non-Participating    | Moravia | 380866.90                          | 4735289.63 | 0:00  | 0   | 0:00  | 0   |
| 3                    | Year-Round Residence | Non-Participating    | Moravia | 380726.27                          | 4734798.67 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 4                    | Year-Round Residence | Non-Participating    | Moravia | 380624.96                          | 4734950.66 | 0:00  | 0   | 0:00  | 0   |
| 6                    | Year-Round Residence | Non-Participating    | Moravia | 380537.85                          | 4734925.23 | 0:00  | 0   | 0:00  | 0   |
| 7                    | Year-Round Residence | Non-Participating    | Moravia | 380547.46                          | 4734933.18 | 0:00  | 0   | 0:00  | 0   |
| 8                    | Year-Round Residence | Non-Participating    | Moravia | 380553.11                          | 4734942.62 | 0:00  | 0   | 0:00  | 0   |
| 9                    | Year-Round Residence | Non-Participating    | Moravia | 380582.31                          | 4734927.07 | 0:00  | 0   | 0:00  | 0   |
| 10                   | Year-Round Residence | Non-Participating    | Moravia | 380567.76                          | 4734956.07 | 0:00  | 0   | 0:00  | 0   |
| 11                   | Year-Round Residence | Non-Participating    | Moravia | 380572.90                          | 4734963.10 | 0:00  | 0   | 0:00  | 0   |
| 12                   | Year-Round Residence | Non-Participating    | Moravia | 380576.24                          | 4734975.92 | 0:00  | 0   | 0:00  | 0   |
| 13                   | Seasonal Residence   | Non-Participating    | Moravia | 380570.92                          | 4734986.10 | 0:00  | 0   | 0:00  | 0   |
| 14                   | Seasonal Residence   | Non-Participating    | Moravia | 380567.08                          | 4734995.75 | 0:00  | 0   | 0:00  | 0   |
| 15                   | Year-Round Residence | Non-Participating    | Moravia | 380593.56                          | 4735013.77 | 0:00  | 0   | 0:00  | 0   |
| 16                   | Year-Round Residence | Non-Participating    | Moravia | 380568.28                          | 4735012.37 | 0:00  | 0   | 0:00  | 0   |
| 17                   | Year-Round Residence | Non-Participating    | Moravia | 380562.57                          | 4735031.51 | 0:00  | 0   | 0:00  | 0   |
| 18                   | Year-Round Residence | Non-Participating    | Moravia | 380573.23                          | 4735050.34 | 0:00  | 0   | 0:00  | 0   |
| 19                   | Year-Round Residence | Non-Participating    | Moravia | 380560.66                          | 4735048.28 | 0:00  | 0   | 0:00  | 0   |
| 20                   | Year-Round Residence | Non-Participating    | Moravia | 380557.29                          | 4735062.90 | 0:00  | 0   | 0:00  | 0   |
| 21                   | Year-Round Residence | Non-Participating    | Moravia | 380548.67                          | 4735085.11 | 0:00  | 0   | 0:00  | 0   |
| 22                   | Year-Round Residence | Non-Participating    | Moravia | 380547.61                          | 4735094.12 | 0:00  | 0   | 0:00  | 0   |
| 23                   | Year-Round Residence | Non-Participating    | Moravia | 380544.01                          | 4735102.22 | 0:00  | 0   | 0:00  | 0   |
| 24                   | Year-Round Residence | Non-Participating    | Moravia | 380536.88                          | 4735124.05 | 0:00  | 0   | 0:00  | 0   |
| 25                   | Seasonal Residence   | Non-Participating    | Moravia | 380525.89                          | 4735150.27 | 0:00  | 0   | 0:00  | 0   |
| 26                   | Year-Round Residence | Non-Participating    | Moravia | 380507.58                          | 4735175.30 | 0:00  | 0   | 0:00  | 0   |
| 27                   | Year-Round Residence | Non-Participating    | Moravia | 380503.51                          | 4735214.08 | 0:00  | 0   | 0:00  | 0   |
| 28                   | Seasonal Residence   | Non-Participating    | Moravia | 380476.39                          | 4735232.72 | 0:00  | 0   | 0:00  | 0   |
| 29                   | Seasonal Residence   | Non-Participating    | Moravia | 380452.56                          | 4735265.42 | 0:00  | 0   | 0:00  | 0   |
| 30                   | Seasonal Residence   | Non-Participating    | Moravia | 380454.20                          | 4735294.37 | 0:00  | 0   | 0:00  | 0   |
| 31                   | Year-Round Residence | Non-Participating    | Moravia | 380448.90                          | 4735308.55 | 0:00  | 0   | 0:00  | 0   |
| 32                   | Seasonal Residence   | Non-Participating    | Moravia | 380438.27                          | 4735350.68 | 0:00  | 0   | 0:00  | 0   |
| 33                   | Year-Round Residence | Non-Participating    | Moravia | 380427.86                          | 4735386.06 | 0:00  | 0   | 0:00  | 0   |
| 34                   | Seasonal Residence   | Non-Participating    | Moravia | 380416.84                          | 4735409.35 | 0:00  | 0   | 0:00  | 0   |
| 35                   | Year-Round Residence | Non-Participating    | Moravia | 380403.13                          | 4735435.60 | 0:00  | 0   | 0:00  | 0   |
| 36                   | Year-Round Residence | Non-Participating    | Moravia | 380441.80                          | 4735458.07 | 0:00  | 0   | 0:00  | 0   |
| 37                   | Seasonal Residence   | Non-Participating    | Moravia | 380400.33                          | 4735455.33 | 0:00  | 0   | 0:00  | 0   |
| 38                   | Seasonal Residence   | Non-Participating    | Moravia | 380359.45                          | 4735490.94 | 0:00  | 0   | 0:00  | 0   |
| 39                   | Seasonal Residence   | Non-Participating    | Moravia | 380341.03                          | 4735540.39 | 0:00  | 0   | 0:00  | 0   |
| 40                   | Seasonal Residence   | Non-Participating    | Moravia | 380302.92                          | 4735618.66 | 0:00  | 0   | 0:00  | 0   |
| 41                   | Seasonal Residence   | Non-Participating    | Moravia | 380283.76                          | 4735645.23 | 0:00  | 0   | 0:00  | 0   |
| 42                   | Seasonal Residence   | Non-Participating    | Moravia | 380267.66                          | 4735669.56 | 0:00  | 0   | 0:00  | 0   |
| 43                   | Seasonal Residence   | Non-Participating    | Moravia | 380313.47                          | 4735656.03 | 0:00  | 0   | 0:00  | 0   |
| 44                   | Seasonal Residence   | Non-Participating    | Moravia | 380261.87                          | 4735692.34 | 0:00  | 0   | 0:00  | 0   |
| 45                   | Year-Round Residence | Non-Participating    | Moravia | 380291.46                          | 4735887.00 | 0:00  | 0   | 0:00  | 0   |
| 46                   | Seasonal Residence   | Non-Participating    | Moravia | 380204.11                          | 4735858.86 | 0:00  | 0   | 0:00  | 0   |
| 47                   | Year-Round Residence | Non-Participating    | Moravia | 380146.65                          | 4735902.72 | 0:00  | 0   | 0:00  | 0   |
| 48                   | Year-Round Residence | Non-Participating    | Moravia | 380117.68                          | 4735922.82 | 0:00  | 0   | 0:00  | 0   |
| 49                   | Year-Round Residence | Non-Participating    | Moravia | 380121.95                          | 4735957.09 | 0:00  | 0   | 0:00  | 0   |
| 50                   | Year-Round Residence | Non-Participating    | Moravia | 380097.52                          | 4735965.78 | 0:00  | 0   | 0:00  | 0   |
| 51                   | Seasonal Residence   | Non-Participating    | Moravia | 380098.40                          | 4735979.46 | 0:00  | 0   | 0:00  | 0   |
| 52                   | Year-Round Residence | Non-Participating    | Moravia | 380100.13                          | 4735992.83 | 0:00  | 0   | 0:00  | 0   |
| 53                   | Year-Round Residence | Non-Participating    | Moravia | 380098.09                          | 4736004.03 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 54                   | Year-Round Residence | Non-Participating    | Moravia | 380104.10                          | 4736012.71 | 0:00  | 0   | 0:00  | 0   |
| 55                   | Seasonal Residence   | Non-Participating    | Moravia | 380099.82                          | 4736020.13 | 0:00  | 0   | 0:00  | 0   |
| 56                   | Seasonal Residence   | Non-Participating    | Moravia | 380096.62                          | 4736028.20 | 0:00  | 0   | 0:00  | 0   |
| 57                   | Seasonal Residence   | Non-Participating    | Moravia | 380088.71                          | 4736035.37 | 0:00  | 0   | 0:00  | 0   |
| 58                   | Year-Round Residence | Non-Participating    | Moravia | 380080.51                          | 4736043.16 | 0:00  | 0   | 0:00  | 0   |
| 59                   | Year-Round Residence | Non-Participating    | Moravia | 380072.76                          | 4736049.57 | 0:00  | 0   | 0:00  | 0   |
| 60                   | Year-Round Residence | Non-Participating    | Moravia | 380059.06                          | 4736055.81 | 0:00  | 0   | 0:00  | 0   |
| 61                   | Seasonal Residence   | Non-Participating    | Moravia | 380049.43                          | 4736062.66 | 0:00  | 0   | 0:00  | 0   |
| 62                   | Seasonal Residence   | Non-Participating    | Moravia | 380043.45                          | 4736067.58 | 0:00  | 0   | 0:00  | 0   |
| 63                   | Seasonal Residence   | Non-Participating    | Moravia | 380032.66                          | 4736069.73 | 0:00  | 0   | 0:00  | 0   |
| 64                   | Seasonal Residence   | Non-Participating    | Moravia | 380024.81                          | 4736074.84 | 0:00  | 0   | 0:00  | 0   |
| 65                   | Year-Round Residence | Non-Participating    | Moravia | 380015.17                          | 4736084.39 | 0:00  | 0   | 0:00  | 0   |
| 66                   | Year-Round Residence | Non-Participating    | Moravia | 380007.45                          | 4736094.17 | 0:00  | 0   | 0:00  | 0   |
| 67                   | Seasonal Residence   | Non-Participating    | Moravia | 379998.32                          | 4736103.01 | 0:00  | 0   | 0:00  | 0   |
| 68                   | Seasonal Residence   | Non-Participating    | Moravia | 380015.51                          | 4736109.61 | 0:00  | 0   | 0:00  | 0   |
| 69                   | Seasonal Residence   | Non-Participating    | Moravia | 379991.31                          | 4736114.99 | 0:00  | 0   | 0:00  | 0   |
| 70                   | Seasonal Residence   | Non-Participating    | Moravia | 379986.33                          | 4736126.88 | 0:00  | 0   | 0:00  | 0   |
| 71                   | Year-Round Residence | Non-Participating    | Moravia | 379982.47                          | 4736138.54 | 0:00  | 0   | 0:00  | 0   |
| 72                   | Year-Round Residence | Non-Participating    | Moravia | 379981.33                          | 4736153.64 | 0:00  | 0   | 0:00  | 0   |
| 73                   | Seasonal Residence   | Non-Participating    | Moravia | 379977.63                          | 4736166.10 | 0:00  | 0   | 0:00  | 0   |
| 74                   | Seasonal Residence   | Non-Participating    | Moravia | 379973.78                          | 4736180.45 | 0:00  | 0   | 0:00  | 0   |
| 75                   | Seasonal Residence   | Non-Participating    | Moravia | 379952.77                          | 4736181.44 | 0:00  | 0   | 0:00  | 0   |
| 76                   | Year-Round Residence | Non-Participating    | Moravia | 379945.83                          | 4736193.47 | 0:00  | 0   | 0:00  | 0   |
| 77                   | Year-Round Residence | Non-Participating    | Moravia | 379933.66                          | 4736200.40 | 0:00  | 0   | 0:00  | 0   |
| 78                   | Seasonal Residence   | Non-Participating    | Moravia | 379925.74                          | 4736215.20 | 0:00  | 0   | 0:00  | 0   |
| 79                   | Year-Round Residence | Non-Participating    | Moravia | 379912.23                          | 4736227.16 | 0:00  | 0   | 0:00  | 0   |
| 80                   | Year-Round Residence | Non-Participating    | Moravia | 379934.79                          | 4736242.85 | 0:00  | 0   | 0:00  | 0   |
| 81                   | Year-Round Residence | Non-Participating    | Moravia | 379904.07                          | 4736245.60 | 0:00  | 0   | 0:00  | 0   |
| 82                   | Seasonal Residence   | Non-Participating    | Moravia | 379896.48                          | 4736262.60 | 0:00  | 0   | 0:00  | 0   |
| 83                   | Seasonal Residence   | Non-Participating    | Moravia | 379893.42                          | 4736276.99 | 0:00  | 0   | 0:00  | 0   |
| 84                   | Year-Round Residence | Non-Participating    | Moravia | 379889.83                          | 4736293.05 | 0:00  | 0   | 0:00  | 0   |
| 85                   | Year-Round Residence | Non-Participating    | Moravia | 379883.55                          | 4736307.31 | 0:00  | 0   | 0:00  | 0   |
| 86                   | Year-Round Residence | Non-Participating    | Moravia | 379876.46                          | 4736318.86 | 0:00  | 0   | 0:00  | 0   |
| 87                   | Seasonal Residence   | Non-Participating    | Moravia | 379872.06                          | 4736332.18 | 0:00  | 0   | 0:00  | 0   |
| 88                   | Seasonal Residence   | Non-Participating    | Moravia | 379867.88                          | 4736348.13 | 0:00  | 0   | 0:00  | 0   |
| 89                   | Seasonal Residence   | Non-Participating    | Moravia | 379865.15                          | 4736361.94 | 0:00  | 0   | 0:00  | 0   |
| 90                   | Seasonal Residence   | Non-Participating    | Moravia | 379862.44                          | 4736373.56 | 0:00  | 0   | 0:00  | 0   |
| 91                   | Seasonal Residence   | Non-Participating    | Moravia | 379860.53                          | 4736383.43 | 0:00  | 0   | 0:00  | 0   |
| 92                   | Seasonal Residence   | Non-Participating    | Moravia | 379858.57                          | 4736393.35 | 0:00  | 0   | 0:00  | 0   |
| 93                   | Year-Round Residence | Non-Participating    | Moravia | 379853.41                          | 4736406.22 | 0:00  | 0   | 0:00  | 0   |
| 94                   | Seasonal Residence   | Non-Participating    | Moravia | 379851.04                          | 4736418.93 | 0:00  | 0   | 0:00  | 0   |
| 95                   | Seasonal Residence   | Non-Participating    | Moravia | 379855.16                          | 4736427.29 | 0:00  | 0   | 0:00  | 0   |
| 96                   | Year-Round Residence | Non-Participating    | Moravia | 379859.78                          | 4736436.88 | 0:00  | 0   | 0:00  | 0   |
| 97                   | Seasonal Residence   | Non-Participating    | Moravia | 379866.18                          | 4736464.61 | 0:00  | 0   | 0:00  | 0   |
| 98                   | Seasonal Residence   | Non-Participating    | Moravia | 379881.57                          | 4736473.40 | 0:00  | 0   | 0:00  | 0   |
| 99                   | Seasonal Residence   | Non-Participating    | Moravia | 379887.71                          | 4736482.06 | 0:00  | 0   | 0:00  | 0   |
| 100                  | Year-Round Residence | Non-Participating    | Moravia | 379896.49                          | 4736490.13 | 0:00  | 0   | 0:00  | 0   |
| 101                  | Seasonal Residence   | Non-Participating    | Moravia | 379905.23                          | 4736503.72 | 0:00  | 0   | 0:00  | 0   |
| 102                  | Seasonal Residence   | Non-Participating    | Moravia | 379916.65                          | 4736513.61 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 103                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.41                          | 4736521.19 | 0:00  | 0   | 0:00  | 0   |
| 104                  | Year-Round Residence | Non-Participating    | Moravia | 379939.72                          | 4736532.77 | 0:00  | 0   | 0:00  | 0   |
| 105                  | Year-Round Residence | Non-Participating    | Moravia | 379943.83                          | 4736554.70 | 0:00  | 0   | 0:00  | 0   |
| 106                  | Seasonal Residence   | Non-Participating    | Moravia | 379946.39                          | 4736578.38 | 0:00  | 0   | 0:00  | 0   |
| 107                  | Year-Round Residence | Non-Participating    | Moravia | 379908.79                          | 4736729.99 | 0:00  | 0   | 0:00  | 0   |
| 108                  | Year-Round Residence | Non-Participating    | Moravia | 379913.37                          | 4736705.87 | 0:00  | 0   | 0:00  | 0   |
| 109                  | Year-Round Residence | Non-Participating    | Moravia | 379874.96                          | 4736793.65 | 0:00  | 0   | 0:00  | 0   |
| 110                  | Year-Round Residence | Non-Participating    | Moravia | 379847.60                          | 4736862.71 | 0:00  | 0   | 0:00  | 0   |
| 111                  | Year-Round Residence | Non-Participating    | Moravia | 379835.70                          | 4736880.42 | 0:00  | 0   | 0:00  | 0   |
| 112                  | Year-Round Residence | Non-Participating    | Moravia | 379841.25                          | 4736922.72 | 0:00  | 0   | 0:00  | 0   |
| 113                  | Year-Round Residence | Non-Participating    | Moravia | 379793.03                          | 4736984.92 | 0:00  | 0   | 0:00  | 0   |
| 114                  | Year-Round Residence | Non-Participating    | Moravia | 379764.76                          | 4737017.63 | 0:00  | 0   | 0:00  | 0   |
| 115                  | Year-Round Residence | Non-Participating    | Moravia | 379719.73                          | 4737122.89 | 0:00  | 0   | 0:00  | 0   |
| 116                  | Year-Round Residence | Non-Participating    | Moravia | 379689.44                          | 4737191.52 | 0:00  | 0   | 0:00  | 0   |
| 117                  | Year-Round Residence | Non-Participating    | Moravia | 379665.82                          | 4737201.12 | 0:00  | 0   | 0:00  | 0   |
| 118                  | Year-Round Residence | Non-Participating    | Moravia | 379666.62                          | 4737222.05 | 0:00  | 0   | 0:00  | 0   |
| 119                  | Year-Round Residence | Non-Participating    | Moravia | 379739.15                          | 4737235.91 | 0:00  | 0   | 0:00  | 0   |
| 120                  | Year-Round Residence | Non-Participating    | Moravia | 379673.87                          | 4737313.71 | 0:00  | 0   | 0:00  | 0   |
| 121                  | Year-Round Residence | Non-Participating    | Moravia | 379609.87                          | 4737321.66 | 0:00  | 0   | 0:00  | 0   |
| 122                  | Year-Round Residence | Non-Participating    | Moravia | 379574.35                          | 4737345.38 | 0:00  | 0   | 0:00  | 0   |
| 123                  | Year-Round Residence | Non-Participating    | Moravia | 379587.31                          | 4737376.91 | 0:00  | 0   | 0:00  | 0   |
| 124                  | Year-Round Residence | Non-Participating    | Moravia | 379556.81                          | 4737418.00 | 0:00  | 0   | 0:00  | 0   |
| 125                  | Year-Round Residence | Non-Participating    | Moravia | 379540.04                          | 4737445.68 | 0:00  | 0   | 0:00  | 0   |
| 126                  | Seasonal Residence   | Non-Participating    | Moravia | 379538.51                          | 4737487.34 | 0:00  | 0   | 0:00  | 0   |
| 127                  | Seasonal Residence   | Non-Participating    | Moravia | 379522.84                          | 4737537.82 | 0:00  | 0   | 0:00  | 0   |
| 128                  | Year-Round Residence | Non-Participating    | Moravia | 380393.70                          | 4733367.74 | 0:00  | 0   | 0:00  | 0   |
| 129                  | Year-Round Residence | Non-Participating    | Venice  | 379601.66                          | 4734355.41 | 0:00  | 0   | 0:00  | 0   |
| 130                  | Year-Round Residence | Non-Participating    | Venice  | 379553.27                          | 4734436.52 | 0:00  | 0   | 0:00  | 0   |
| 131                  | Year-Round Residence | Non-Participating    | Venice  | 379521.53                          | 4734497.17 | 0:00  | 0   | 0:00  | 0   |
| 132                  | Year-Round Residence | Non-Participating    | Venice  | 379526.21                          | 4734581.83 | 0:00  | 0   | 0:00  | 0   |
| 133                  | Year-Round Residence | Non-Participating    | Venice  | 379520.61                          | 4734591.42 | 0:00  | 0   | 0:00  | 0   |
| 134                  | Year-Round Residence | Non-Participating    | Venice  | 379499.97                          | 4734639.42 | 0:00  | 0   | 0:00  | 0   |
| 135                  | Year-Round Residence | Non-Participating    | Venice  | 379503.53                          | 4734689.79 | 0:00  | 0   | 0:00  | 0   |
| 136                  | Year-Round Residence | Non-Participating    | Venice  | 379509.85                          | 4734704.74 | 0:00  | 0   | 0:00  | 0   |
| 137                  | Year-Round Residence | Non-Participating    | Venice  | 379505.21                          | 4734718.32 | 0:00  | 0   | 0:00  | 0   |
| 138                  | Year-Round Residence | Non-Participating    | Venice  | 379480.77                          | 4734715.83 | 0:00  | 0   | 0:00  | 0   |
| 139                  | Year-Round Residence | Non-Participating    | Venice  | 379466.85                          | 4734716.96 | 0:00  | 0   | 0:00  | 0   |
| 140                  | Year-Round Residence | Non-Participating    | Venice  | 379444.20                          | 4734721.42 | 0:00  | 0   | 0:00  | 0   |
| 141                  | Year-Round Residence | Non-Participating    | Venice  | 379450.28                          | 4734742.87 | 0:00  | 0   | 0:00  | 0   |
| 142                  | Year-Round Residence | Non-Participating    | Venice  | 379465.79                          | 4734740.55 | 0:00  | 0   | 0:00  | 0   |
| 143                  | Year-Round Residence | Non-Participating    | Venice  | 379482.64                          | 4734759.89 | 0:00  | 0   | 0:00  | 0   |
| 144                  | Year-Round Residence | Non-Participating    | Venice  | 379495.37                          | 4734767.84 | 0:00  | 0   | 0:00  | 0   |
| 145                  | Year-Round Residence | Non-Participating    | Venice  | 379464.26                          | 4734778.19 | 0:00  | 0   | 0:00  | 0   |
| 146                  | Year-Round Residence | Non-Participating    | Venice  | 379450.97                          | 4734772.70 | 0:00  | 0   | 0:00  | 0   |
| 147                  | Year-Round Residence | Non-Participating    | Venice  | 379436.69                          | 4734771.16 | 0:00  | 0   | 0:00  | 0   |
| 148                  | Year-Round Residence | Non-Participating    | Venice  | 379383.59                          | 4734788.93 | 0:00  | 0   | 0:00  | 0   |
| 149                  | Year-Round Residence | Non-Participating    | Venice  | 379320.63                          | 4734871.09 | 0:00  | 0   | 0:00  | 0   |
| 150                  | Year-Round Residence | Non-Participating    | Venice  | 379330.09                          | 4734900.60 | 0:00  | 0   | 0:00  | 0   |
| 151                  | Year-Round Residence | Non-Participating    | Venice  | 379299.41                          | 4735030.46 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 152                  | Year-Round Residence | Non-Participating    | Venice  | 379296.10                          | 4735041.99 | 0:00  | 0   | 0:00  | 0   |
| 153                  | Year-Round Residence | Non-Participating    | Venice  | 379295.49                          | 4735049.39 | 0:00  | 0   | 0:00  | 0   |
| 154                  | Year-Round Residence | Non-Participating    | Venice  | 379294.02                          | 4735058.51 | 0:00  | 0   | 0:00  | 0   |
| 155                  | Year-Round Residence | Non-Participating    | Venice  | 379285.35                          | 4735066.50 | 0:00  | 0   | 0:00  | 0   |
| 156                  | Year-Round Residence | Non-Participating    | Venice  | 379260.90                          | 4735095.33 | 0:00  | 0   | 0:00  | 0   |
| 157                  | Year-Round Residence | Non-Participating    | Venice  | 379195.43                          | 4735133.47 | 0:00  | 0   | 0:00  | 0   |
| 158                  | Year-Round Residence | Non-Participating    | Venice  | 379227.11                          | 4735143.52 | 0:00  | 0   | 0:00  | 0   |
| 159                  | Year-Round Residence | Non-Participating    | Venice  | 379169.61                          | 4735261.41 | 0:00  | 0   | 0:00  | 0   |
| 160                  | Year-Round Residence | Non-Participating    | Venice  | 379136.78                          | 4734833.48 | 0:00  | 0   | 0:00  | 0   |
| 161                  | Year-Round Residence | Non-Participating    | Scipio  | 379078.40                          | 4735389.22 | 0:00  | 0   | 0:00  | 0   |
| 162                  | Year-Round Residence | Non-Participating    | Scipio  | 378932.36                          | 4735361.36 | 0:00  | 0   | 0:00  | 0   |
| 163                  | Year-Round Residence | Non-Participating    | Scipio  | 379062.92                          | 4735417.23 | 0:00  | 0   | 0:00  | 0   |
| 164                  | Year-Round Residence | Non-Participating    | Scipio  | 379007.15                          | 4735665.70 | 0:00  | 0   | 0:00  | 0   |
| 165                  | Year-Round Residence | Non-Participating    | Scipio  | 378991.68                          | 4735691.18 | 0:00  | 0   | 0:00  | 0   |
| 166                  | Year-Round Residence | Non-Participating    | Scipio  | 378845.96                          | 4735938.38 | 0:00  | 0   | 0:00  | 0   |
| 167                  | Year-Round Residence | Non-Participating    | Scipio  | 378862.50                          | 4735907.77 | 0:00  | 0   | 0:00  | 0   |
| 168                  | Year-Round Residence | Non-Participating    | Scipio  | 378784.98                          | 4736197.60 | 0:00  | 0   | 0:00  | 0   |
| 169                  | Year-Round Residence | Non-Participating    | Scipio  | 378808.17                          | 4736194.21 | 0:00  | 0   | 0:00  | 0   |
| 170                  | Year-Round Residence | Non-Participating    | Scipio  | 378823.26                          | 4736180.99 | 0:00  | 0   | 0:00  | 0   |
| 171                  | Year-Round Residence | Non-Participating    | Scipio  | 378827.78                          | 4736164.41 | 0:00  | 0   | 0:00  | 0   |
| 172                  | Year-Round Residence | Non-Participating    | Scipio  | 378821.67                          | 4736142.81 | 0:00  | 0   | 0:00  | 0   |
| 173                  | Year-Round Residence | Non-Participating    | Scipio  | 378805.48                          | 4736110.70 | 0:00  | 0   | 0:00  | 0   |
| 174                  | Year-Round Residence | Non-Participating    | Scipio  | 378826.72                          | 4736080.44 | 0:00  | 0   | 0:00  | 0   |
| 175                  | Year-Round Residence | Non-Participating    | Scipio  | 378830.65                          | 4736050.08 | 0:00  | 0   | 0:00  | 0   |
| 176                  | Year-Round Residence | Non-Participating    | Scipio  | 378836.78                          | 4736024.41 | 0:00  | 0   | 0:00  | 0   |
| 177                  | Year-Round Residence | Non-Participating    | Scipio  | 378846.89                          | 4736005.63 | 0:00  | 0   | 0:00  | 0   |
| 178                  | Year-Round Residence | Non-Participating    | Scipio  | 378796.76                          | 4736027.98 | 0:00  | 0   | 0:00  | 0   |
| 179                  | Year-Round Residence | Non-Participating    | Scipio  | 378706.10                          | 4736245.01 | 0:00  | 0   | 0:00  | 0   |
| 180                  | Year-Round Residence | Non-Participating    | Scipio  | 378683.89                          | 4736266.78 | 0:00  | 0   | 0:00  | 0   |
| 181                  | Year-Round Residence | Non-Participating    | Scipio  | 378668.08                          | 4736317.93 | 0:00  | 0   | 0:00  | 0   |
| 182                  | Year-Round Residence | Non-Participating    | Scipio  | 378637.04                          | 4736373.84 | 0:00  | 0   | 0:00  | 0   |
| 183                  | Year-Round Residence | Non-Participating    | Scipio  | 378586.39                          | 4736417.38 | 0:00  | 0   | 0:00  | 0   |
| 184                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.86                          | 4736562.25 | 0:00  | 0   | 0:00  | 0   |
| 185                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.64                          | 4736673.79 | 0:00  | 0   | 0:00  | 0   |
| 186                  | Year-Round Residence | Non-Participating    | Scipio  | 378496.15                          | 4736716.62 | 0:00  | 0   | 0:00  | 0   |
| 187                  | Year-Round Residence | Non-Participating    | Scipio  | 378184.28                          | 4737400.63 | 0:00  | 0   | 0:00  | 0   |
| 188                  | Year-Round Residence | Non-Participating    | Scipio  | 378098.48                          | 4737428.21 | 0:00  | 0   | 0:00  | 0   |
| 189                  | Seasonal Residence   | Non-Participating    | Moravia | 380262.66                          | 4735720.44 | 0:00  | 0   | 0:00  | 0   |
| 190                  | Seasonal Residence   | Non-Participating    | Moravia | 380249.36                          | 4735707.15 | 0:00  | 0   | 0:00  | 0   |
| 191                  | Seasonal Residence   | Non-Participating    | Moravia | 380255.65                          | 4735757.88 | 0:00  | 0   | 0:00  | 0   |
| 192                  | Seasonal Residence   | Non-Participating    | Moravia | 380227.61                          | 4735806.08 | 0:00  | 0   | 0:00  | 0   |
| 193                  | Seasonal Residence   | Non-Participating    | Moravia | 379931.83                          | 4736590.10 | 0:00  | 0   | 0:00  | 0   |
| 194                  | Seasonal Residence   | Non-Participating    | Moravia | 379942.36                          | 4736616.30 | 0:00  | 0   | 0:00  | 0   |
| 195                  | Seasonal Residence   | Non-Participating    | Moravia | 379934.71                          | 4736636.42 | 0:00  | 0   | 0:00  | 0   |
| 196                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.33                          | 4736651.23 | 0:00  | 0   | 0:00  | 0   |
| 197                  | Seasonal Residence   | Non-Participating    | Moravia | 379907.88                          | 4736676.63 | 0:00  | 0   | 0:00  | 0   |
| 198                  | Seasonal Residence   | Non-Participating    | Moravia | 379901.53                          | 4736770.98 | 0:00  | 0   | 0:00  | 0   |
| 199                  | Seasonal Residence   | Non-Participating    | Moravia | 379874.80                          | 4736813.17 | 0:00  | 0   | 0:00  | 0   |
| 200                  | Seasonal Residence   | Non-Participating    | Moravia | 379862.22                          | 4736838.61 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 201                  | Seasonal Residence   | Non-Participating    | Moravia | 379810.54                          | 4736949.11 | 0:00  | 0   | 0:00  | 0   |
| 202                  | Seasonal Residence   | Non-Participating    | Moravia | 379754.81                          | 4737062.03 | 0:00  | 0   | 0:00  | 0   |
| 203                  | Seasonal Residence   | Non-Participating    | Moravia | 379738.10                          | 4737086.35 | 0:00  | 0   | 0:00  | 0   |
| 204                  | Seasonal Residence   | Non-Participating    | Moravia | 379747.11                          | 4737112.68 | 0:00  | 0   | 0:00  | 0   |
| 205                  | Seasonal Residence   | Non-Participating    | Moravia | 379697.70                          | 4737132.04 | 0:00  | 0   | 0:00  | 0   |
| 206                  | Seasonal Residence   | Non-Participating    | Moravia | 379693.37                          | 4737158.69 | 0:00  | 0   | 0:00  | 0   |
| 207                  | Seasonal Residence   | Non-Participating    | Moravia | 379638.83                          | 4737273.11 | 0:00  | 0   | 0:00  | 0   |
| 208                  | Seasonal Residence   | Non-Participating    | Moravia | 379561.59                          | 4737384.67 | 0:00  | 0   | 0:00  | 0   |
| 209                  | Seasonal Residence   | Non-Participating    | Niles   | 379498.76                          | 4737580.94 | 0:00  | 0   | 0:00  | 0   |
| 210                  | Seasonal Residence   | Non-Participating    | Niles   | 379492.60                          | 4737607.77 | 0:00  | 0   | 0:00  | 0   |
| 211                  | Seasonal Residence   | Non-Participating    | Niles   | 379479.32                          | 4737638.85 | 0:00  | 0   | 0:00  | 0   |
| 212                  | Seasonal Residence   | Non-Participating    | Niles   | 379468.92                          | 4737659.08 | 0:00  | 0   | 0:00  | 0   |
| 213                  | Seasonal Residence   | Non-Participating    | Niles   | 379461.19                          | 4737677.38 | 0:00  | 0   | 0:00  | 0   |
| 214                  | Seasonal Residence   | Non-Participating    | Niles   | 379455.43                          | 4737694.03 | 0:00  | 0   | 0:00  | 0   |
| 215                  | Seasonal Residence   | Non-Participating    | Niles   | 379446.82                          | 4737714.46 | 0:00  | 0   | 0:00  | 0   |
| 216                  | Seasonal Residence   | Non-Participating    | Niles   | 379436.64                          | 4737737.67 | 0:00  | 0   | 0:00  | 0   |
| 217                  | Seasonal Residence   | Non-Participating    | Niles   | 379427.69                          | 4737765.33 | 0:00  | 0   | 0:00  | 0   |
| 218                  | Seasonal Residence   | Non-Participating    | Niles   | 379324.64                          | 4737794.52 | 0:00  | 0   | 0:00  | 0   |
| 219                  | Seasonal Residence   | Non-Participating    | Niles   | 379348.60                          | 4737891.42 | 0:00  | 0   | 0:00  | 0   |
| 220                  | Seasonal Residence   | Non-Participating    | Niles   | 379335.91                          | 4737939.30 | 0:00  | 0   | 0:00  | 0   |
| 221                  | Seasonal Residence   | Non-Participating    | Niles   | 379262.28                          | 4737989.10 | 0:00  | 0   | 0:00  | 0   |
| 222                  | Seasonal Residence   | Non-Participating    | Venice  | 379634.88                          | 4734302.75 | 0:00  | 0   | 0:00  | 0   |
| 223                  | Seasonal Residence   | Non-Participating    | Venice  | 379698.88                          | 4734505.64 | 0:00  | 0   | 0:00  | 0   |
| 224                  | Seasonal Residence   | Non-Participating    | Venice  | 379597.50                          | 4734525.85 | 0:00  | 0   | 0:00  | 0   |
| 225                  | Seasonal Residence   | Non-Participating    | Venice  | 379583.90                          | 4734535.92 | 0:00  | 0   | 0:00  | 0   |
| 226                  | Seasonal Residence   | Non-Participating    | Venice  | 379570.06                          | 4734543.74 | 0:00  | 0   | 0:00  | 0   |
| 227                  | Seasonal Residence   | Non-Participating    | Venice  | 379544.15                          | 4734554.57 | 0:00  | 0   | 0:00  | 0   |
| 228                  | Seasonal Residence   | Non-Participating    | Venice  | 379553.12                          | 4734572.45 | 0:00  | 0   | 0:00  | 0   |
| 229                  | Seasonal Residence   | Non-Participating    | Venice  | 379510.21                          | 4734601.49 | 0:00  | 0   | 0:00  | 0   |
| 230                  | Seasonal Residence   | Non-Participating    | Venice  | 379511.82                          | 4734610.87 | 0:00  | 0   | 0:00  | 0   |
| 231                  | Seasonal Residence   | Non-Participating    | Venice  | 379492.96                          | 4734717.58 | 0:00  | 0   | 0:00  | 0   |
| 232                  | Seasonal Residence   | Non-Participating    | Venice  | 379472.59                          | 4734751.64 | 0:00  | 0   | 0:00  | 0   |
| 233                  | Seasonal Residence   | Non-Participating    | Venice  | 379412.27                          | 4734796.05 | 0:00  | 0   | 0:00  | 0   |
| 234                  | Seasonal Residence   | Non-Participating    | Venice  | 379389.59                          | 4734779.14 | 0:00  | 0   | 0:00  | 0   |
| 235                  | Seasonal Residence   | Non-Participating    | Venice  | 379361.33                          | 4734801.75 | 0:00  | 0   | 0:00  | 0   |
| 236                  | Seasonal Residence   | Non-Participating    | Venice  | 379377.56                          | 4734844.99 | 0:00  | 0   | 0:00  | 0   |
| 237                  | Seasonal Residence   | Non-Participating    | Venice  | 379351.97                          | 4734841.33 | 0:00  | 0   | 0:00  | 0   |
| 238                  | Seasonal Residence   | Non-Participating    | Venice  | 379342.18                          | 4734857.25 | 0:00  | 0   | 0:00  | 0   |
| 239                  | Seasonal Residence   | Non-Participating    | Venice  | 379329.92                          | 4734937.17 | 0:00  | 0   | 0:00  | 0   |
| 240                  | Seasonal Residence   | Non-Participating    | Venice  | 379279.11                          | 4734959.98 | 0:00  | 0   | 0:00  | 0   |
| 241                  | Seasonal Residence   | Non-Participating    | Venice  | 379272.44                          | 4734970.00 | 0:00  | 0   | 0:00  | 0   |
| 242                  | Seasonal Residence   | Non-Participating    | Venice  | 379256.31                          | 4735014.79 | 0:00  | 0   | 0:00  | 0   |
| 243                  | Seasonal Residence   | Non-Participating    | Venice  | 379278.90                          | 4735079.07 | 0:00  | 0   | 0:00  | 0   |
| 244                  | Seasonal Residence   | Non-Participating    | Venice  | 379245.70                          | 4735116.49 | 0:00  | 0   | 0:00  | 0   |
| 245                  | Seasonal Residence   | Non-Participating    | Venice  | 379232.44                          | 4735134.99 | 0:00  | 0   | 0:00  | 0   |
| 246                  | Year-Round Residence | Non-Participating    | Venice  | 378998.25                          | 4735265.22 | 0:00  | 0   | 0:00  | 0   |
| 247                  | Seasonal Residence   | Non-Participating    | Venice  | 379066.29                          | 4735291.50 | 0:00  | 0   | 0:00  | 0   |
| 248                  | Seasonal Residence   | Non-Participating    | Scipio  | 379089.05                          | 4735348.51 | 0:00  | 0   | 0:00  | 0   |
| 249                  | Seasonal Residence   | Non-Participating    | Scipio  | 379093.32                          | 4735369.67 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 250                  | Seasonal Residence   | Non-Participating    | Scipio  | 379091.13                          | 4735434.72 | 0:00  | 0   | 0:00  | 0   |
| 251                  | Seasonal Residence   | Non-Participating    | Scipio  | 379086.27                          | 4735473.71 | 0:00  | 0   | 0:00  | 0   |
| 252                  | Seasonal Residence   | Non-Participating    | Scipio  | 379066.93                          | 4735506.50 | 0:00  | 0   | 0:00  | 0   |
| 253                  | Seasonal Residence   | Non-Participating    | Scipio  | 379053.19                          | 4735549.98 | 0:00  | 0   | 0:00  | 0   |
| 254                  | Seasonal Residence   | Non-Participating    | Scipio  | 379015.81                          | 4735615.48 | 0:00  | 0   | 0:00  | 0   |
| 255                  | Seasonal Residence   | Non-Participating    | Scipio  | 379005.35                          | 4735632.30 | 0:00  | 0   | 0:00  | 0   |
| 256                  | Seasonal Residence   | Non-Participating    | Scipio  | 379006.77                          | 4735650.36 | 0:00  | 0   | 0:00  | 0   |
| 257                  | Seasonal Residence   | Non-Participating    | Scipio  | 378968.98                          | 4735711.86 | 0:00  | 0   | 0:00  | 0   |
| 258                  | Seasonal Residence   | Non-Participating    | Scipio  | 378961.50                          | 4735726.01 | 0:00  | 0   | 0:00  | 0   |
| 259                  | Seasonal Residence   | Non-Participating    | Scipio  | 378907.66                          | 4735876.35 | 0:00  | 0   | 0:00  | 0   |
| 260                  | Seasonal Residence   | Non-Participating    | Scipio  | 378578.03                          | 4736475.96 | 0:00  | 0   | 0:00  | 0   |
| 261                  | Seasonal Residence   | Non-Participating    | Scipio  | 378564.57                          | 4736508.17 | 0:00  | 0   | 0:00  | 0   |
| 262                  | Seasonal Residence   | Non-Participating    | Scipio  | 378433.48                          | 4736881.83 | 0:00  | 0   | 0:00  | 0   |
| 263                  | Seasonal Residence   | Non-Participating    | Scipio  | 378162.15                          | 4737337.37 | 0:00  | 0   | 0:00  | 0   |
| 264                  | Seasonal Residence   | Non-Participating    | Scipio  | 377503.52                          | 4737880.95 | 0:00  | 0   | 0:00  | 0   |
| 265                  | Seasonal Residence   | Non-Participating    | Scipio  | 377647.75                          | 4737994.31 | 0:00  | 0   | 0:00  | 0   |
| 266                  | Seasonal Residence   | Non-Participating    | Scipio  | 377676.45                          | 4737936.68 | 0:00  | 0   | 0:00  | 0   |
| 273                  | Year-Round Residence | Non-Participating    | Moravia | 380786.57                          | 4735247.98 | 0:00  | 0   | 0:00  | 0   |
| 290                  | Year-Round Residence | Non-Participating    | Scipio  | 377104.22                          | 4738132.82 | 0:00  | 0   | 0:00  | 0   |
| 292                  | Year-Round Residence | Non-Participating    | Scipio  | 377335.15                          | 4738630.15 | 0:00  | 0   | 0:00  | 0   |
| 293                  | Year-Round Residence | Non-Participating    | Scipio  | 377219.41                          | 4738715.14 | 0:00  | 0   | 0:00  | 0   |
| 294                  | Year-Round Residence | Non-Participating    | Scipio  | 377195.26                          | 4738763.91 | 0:00  | 0   | 0:00  | 0   |
| 295                  | Seasonal Residence   | Non-Participating    | Scipio  | 377164.00                          | 4738840.42 | 0:00  | 0   | 0:00  | 0   |
| 296                  | Year-Round Residence | Non-Participating    | Scipio  | 377177.55                          | 4738904.10 | 0:00  | 0   | 0:00  | 0   |
| 297                  | Year-Round Residence | Non-Participating    | Scipio  | 377160.07                          | 4738940.39 | 0:00  | 0   | 0:00  | 0   |
| 298                  | Year-Round Residence | Non-Participating    | Scipio  | 377166.05                          | 4738988.23 | 0:00  | 0   | 0:00  | 0   |
| 299                  | Year-Round Residence | Non-Participating    | Scipio  | 377169.54                          | 4739077.16 | 0:00  | 0   | 0:00  | 0   |
| 300                  | Year-Round Residence | Non-Participating    | Scipio  | 377175.12                          | 4739064.71 | 0:00  | 0   | 0:00  | 0   |
| 301                  | Year-Round Residence | Non-Participating    | Scipio  | 377145.85                          | 4739092.14 | 0:00  | 0   | 0:00  | 0   |
| 303                  | Year-Round Residence | Non-Participating    | Scipio  | 376945.33                          | 4739169.65 | 0:00  | 0   | 0:00  | 0   |
| 304                  | Year-Round Residence | Non-Participating    | Scipio  | 376824.82                          | 4739117.06 | 0:00  | 0   | 0:00  | 0   |
| 305                  | Seasonal Residence   | Non-Participating    | Scipio  | 376847.02                          | 4739447.58 | 0:00  | 0   | 0:00  | 0   |
| 306                  | Seasonal Residence   | Non-Participating    | Scipio  | 376679.79                          | 4739750.41 | 0:00  | 0   | 0:00  | 0   |
| 307                  | Seasonal Residence   | Non-Participating    | Scipio  | 376572.43                          | 4739875.57 | 0:00  | 0   | 0:00  | 0   |
| 308                  | Seasonal Residence   | Non-Participating    | Scipio  | 376554.38                          | 4739939.48 | 0:00  | 0   | 0:00  | 0   |
| 309                  | Year-Round Residence | Non-Participating    | Scipio  | 376540.37                          | 4739966.99 | 0:00  | 0   | 0:00  | 0   |
| 310                  | Seasonal Residence   | Non-Participating    | Scipio  | 376518.99                          | 4740028.06 | 0:00  | 0   | 0:00  | 0   |
| 311                  | Seasonal Residence   | Non-Participating    | Scipio  | 376445.15                          | 4740100.28 | 0:00  | 0   | 0:00  | 0   |
| 312                  | Year-Round Residence | Non-Participating    | Scipio  | 376375.24                          | 4740129.93 | 0:00  | 0   | 0:00  | 0   |
| 313                  | Year-Round Residence | Non-Participating    | Scipio  | 376385.70                          | 4740184.22 | 0:00  | 0   | 0:00  | 0   |
| 314                  | Seasonal Residence   | Non-Participating    | Scipio  | 376385.76                          | 4740226.00 | 0:00  | 0   | 0:00  | 0   |
| 315                  | Seasonal Residence   | Non-Participating    | Scipio  | 376157.52                          | 4740123.48 | 0:00  | 0   | 0:00  | 0   |
| 317                  | Seasonal Residence   | Non-Participating    | Scipio  | 376269.90                          | 4740285.20 | 0:00  | 0   | 0:00  | 0   |
| 318                  | Seasonal Residence   | Non-Participating    | Scipio  | 376164.74                          | 4740778.68 | 0:00  | 0   | 0:00  | 0   |
| 319                  | Year-Round Residence | Non-Participating    | Scipio  | 376019.05                          | 4740932.17 | 0:00  | 0   | 0:00  | 0   |
| 320                  | Year-Round Residence | Non-Participating    | Scipio  | 376095.37                          | 4740953.62 | 0:00  | 0   | 0:00  | 0   |
| 321                  | Seasonal Residence   | Non-Participating    | Scipio  | 376148.50                          | 4740919.57 | 0:00  | 0   | 0:00  | 0   |
| 322                  | Year-Round Residence | Non-Participating    | Scipio  | 375998.14                          | 4740998.68 | 0:00  | 0   | 0:00  | 0   |
| 323                  | Year-Round Residence | Non-Participating    | Scipio  | 375317.58                          | 4741086.66 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 324                  | Year-Round Residence | Non-Participating    | Scipio | 375551.40                          | 4740306.69 | 0:00  | 0   | 0:00  | 0   |
| 325                  | Year-Round Residence | Non-Participating    | Scipio | 375745.99                          | 4740280.88 | 0:00  | 0   | 0:00  | 0   |
| 326                  | Year-Round Residence | Non-Participating    | Scipio | 375781.55                          | 4740220.63 | 0:00  | 0   | 0:00  | 0   |
| 327                  | Year-Round Residence | Non-Participating    | Scipio | 375824.58                          | 4740152.26 | 0:00  | 0   | 0:00  | 0   |
| 328                  | Year-Round Residence | Non-Participating    | Scipio | 375851.51                          | 4740038.78 | 0:00  | 0   | 0:00  | 0   |
| 329                  | Year-Round Residence | Non-Participating    | Scipio | 375771.75                          | 4739989.05 | 0:00  | 0   | 0:00  | 0   |
| 330                  | Year-Round Residence | Non-Participating    | Scipio | 375817.88                          | 4739892.29 | 0:00  | 0   | 0:00  | 0   |
| 331                  | Year-Round Residence | Non-Participating    | Scipio | 375953.83                          | 4739896.63 | 0:00  | 0   | 0:00  | 0   |
| 332                  | Year-Round Residence | Non-Participating    | Scipio | 376022.06                          | 4739951.66 | 0:00  | 0   | 0:00  | 0   |
| 333                  | Year-Round Residence | Non-Participating    | Scipio | 376083.18                          | 4739975.58 | 0:00  | 0   | 0:00  | 0   |
| 334                  | Year-Round Residence | Non-Participating    | Scipio | 376187.86                          | 4739959.44 | 0:00  | 0   | 0:00  | 0   |
| 335                  | Year-Round Residence | Non-Participating    | Scipio | 375998.56                          | 4739764.29 | 0:00  | 0   | 0:00  | 0   |
| 336                  | Year-Round Residence | Non-Participating    | Scipio | 375796.95                          | 4739783.34 | 0:00  | 0   | 0:00  | 0   |
| 337                  | Year-Round Residence | Non-Participating    | Scipio | 376306.15                          | 4739623.74 | 0:00  | 0   | 0:00  | 0   |
| 339                  | Year-Round Residence | Non-Participating    | Scipio | 376332.70                          | 4739141.92 | 0:00  | 0   | 0:00  | 0   |
| 340                  | Year-Round Residence | Non-Participating    | Scipio | 376144.16                          | 4739276.60 | 0:00  | 0   | 0:00  | 0   |
| 341                  | Year-Round Residence | Non-Participating    | Scipio | 376187.31                          | 4739137.02 | 0:00  | 0   | 0:00  | 0   |
| 342                  | Year-Round Residence | Non-Participating    | Scipio | 376227.89                          | 4738899.41 | 0:00  | 0   | 0:00  | 0   |
| 344                  | Year-Round Residence | Non-Participating    | Scipio | 376217.92                          | 4738755.38 | 0:00  | 0   | 0:00  | 0   |
| 345                  | Year-Round Residence | Non-Participating    | Scipio | 376480.22                          | 4738795.14 | 0:00  | 0   | 0:00  | 0   |
| 346                  | Year-Round Residence | Non-Participating    | Scipio | 376514.68                          | 4738715.30 | 0:00  | 0   | 0:00  | 0   |
| 347                  | Year-Round Residence | Non-Participating    | Scipio | 376555.71                          | 4738636.79 | 0:00  | 0   | 0:00  | 0   |
| 348                  | Year-Round Residence | Non-Participating    | Scipio | 376655.88                          | 4738748.25 | 0:00  | 0   | 0:00  | 0   |
| 349                  | Year-Round Residence | Non-Participating    | Scipio | 376597.43                          | 4738556.45 | 0:00  | 0   | 0:00  | 0   |
| 350                  | Year-Round Residence | Non-Participating    | Scipio | 376582.31                          | 4738428.14 | 0:00  | 0   | 0:00  | 0   |
| 351                  | Year-Round Residence | Non-Participating    | Scipio | 376547.67                          | 4738460.03 | 0:00  | 0   | 0:00  | 0   |
| 352                  | Year-Round Residence | Non-Participating    | Scipio | 376622.44                          | 4738302.06 | 0:00  | 0   | 0:00  | 0   |
| 353                  | Year-Round Residence | Non-Participating    | Scipio | 376645.33                          | 4738263.85 | 0:00  | 0   | 0:00  | 0   |
| 354                  | Year-Round Residence | Non-Participating    | Scipio | 376509.32                          | 4738158.88 | 0:00  | 0   | 0:00  | 0   |
| 355                  | Year-Round Residence | Non-Participating    | Scipio | 376527.16                          | 4738161.09 | 0:00  | 0   | 0:00  | 0   |
| 356                  | Year-Round Residence | Non-Participating    | Scipio | 376559.13                          | 4738161.21 | 0:00  | 0   | 0:00  | 0   |
| 357                  | Year-Round Residence | Non-Participating    | Scipio | 376588.09                          | 4738155.58 | 0:00  | 0   | 0:00  | 0   |
| 358                  | Year-Round Residence | Non-Participating    | Scipio | 376583.35                          | 4738116.08 | 0:00  | 0   | 0:00  | 0   |
| 359                  | Year-Round Residence | Non-Participating    | Scipio | 376563.83                          | 4738121.53 | 0:00  | 0   | 0:00  | 0   |
| 360                  | Year-Round Residence | Non-Participating    | Scipio | 376518.42                          | 4738121.29 | 0:00  | 0   | 0:00  | 0   |
| 361                  | Year-Round Residence | Non-Participating    | Scipio | 376515.96                          | 4738106.08 | 0:00  | 0   | 0:00  | 0   |
| 362                  | Year-Round Residence | Non-Participating    | Scipio | 376535.16                          | 4738084.29 | 0:00  | 0   | 0:00  | 0   |
| 363                  | Year-Round Residence | Non-Participating    | Scipio | 376564.58                          | 4738102.99 | 0:00  | 0   | 0:00  | 0   |
| 364                  | Year-Round Residence | Non-Participating    | Scipio | 376578.37                          | 4738083.11 | 0:00  | 0   | 0:00  | 0   |
| 365                  | Year-Round Residence | Non-Participating    | Scipio | 376601.14                          | 4738096.49 | 0:00  | 0   | 0:00  | 0   |
| 366                  | Year-Round Residence | Non-Participating    | Scipio | 376613.55                          | 4738080.27 | 0:00  | 0   | 0:00  | 0   |
| 367                  | Year-Round Residence | Non-Participating    | Scipio | 376636.08                          | 4738119.45 | 0:00  | 0   | 0:00  | 0   |
| 368                  | Year-Round Residence | Non-Participating    | Scipio | 376645.52                          | 4738099.65 | 0:00  | 0   | 0:00  | 0   |
| 369                  | Year-Round Residence | Non-Participating    | Scipio | 376653.23                          | 4738084.61 | 0:00  | 0   | 0:00  | 0   |
| 370                  | Year-Round Residence | Non-Participating    | Scipio | 376682.48                          | 4738113.85 | 0:00  | 0   | 0:00  | 0   |
| 371                  | Year-Round Residence | Non-Participating    | Scipio | 376682.37                          | 4738088.79 | 0:00  | 0   | 0:00  | 0   |
| 372                  | Year-Round Residence | Non-Participating    | Scipio | 376700.87                          | 4738087.35 | 0:00  | 0   | 0:00  | 0   |
| 374                  | Year-Round Residence | Non-Participating    | Scipio | 377002.88                          | 4738376.40 | 0:00  | 0   | 0:00  | 0   |
| 375                  | Year-Round Residence | Non-Participating    | Scipio | 376982.55                          | 4738420.26 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 380                  | Year-Round Residence | Non-Participating    | Scipio | 376806.33                          | 4737996.74 | 0:00  | 0   | 0:00  | 0   |
| 381                  | Year-Round Residence | Non-Participating    | Scipio | 377037.53                          | 4737734.48 | 0:00  | 0   | 0:00  | 0   |
| 382                  | Year-Round Residence | Non-Participating    | Scipio | 377249.06                          | 4737372.69 | 0:00  | 0   | 0:00  | 0   |
| 385                  | Year-Round Residence | Non-Participating    | Scipio | 377404.36                          | 4737266.61 | 0:00  | 0   | 0:00  | 0   |
| 386                  | Year-Round Residence | Non-Participating    | Scipio | 377459.07                          | 4737181.30 | 0:00  | 0   | 0:00  | 0   |
| 387                  | Year-Round Residence | Non-Participating    | Scipio | 377706.61                          | 4736919.10 | 0:00  | 0   | 0:00  | 0   |
| 388                  | Year-Round Residence | Non-Participating    | Scipio | 377700.41                          | 4736801.52 | 0:00  | 0   | 0:00  | 0   |
| 389                  | Year-Round Residence | Non-Participating    | Scipio | 377741.56                          | 4736884.30 | 0:00  | 0   | 0:00  | 0   |
| 390                  | Year-Round Residence | Non-Participating    | Scipio | 377779.16                          | 4736855.26 | 0:00  | 0   | 0:00  | 0   |
| 391                  | Year-Round Residence | Non-Participating    | Scipio | 377839.18                          | 4736763.32 | 0:00  | 0   | 0:00  | 0   |
| 392                  | Year-Round Residence | Non-Participating    | Scipio | 377723.23                          | 4736565.70 | 0:00  | 0   | 0:00  | 0   |
| 393                  | Year-Round Residence | Non-Participating    | Scipio | 377732.21                          | 4736637.82 | 0:00  | 0   | 0:00  | 0   |
| 394                  | Year-Round Residence | Non-Participating    | Scipio | 377970.65                          | 4736567.96 | 0:00  | 0   | 0:00  | 0   |
| 395                  | Year-Round Residence | Non-Participating    | Scipio | 378002.63                          | 4736510.69 | 0:00  | 0   | 0:00  | 0   |
| 396                  | Year-Round Residence | Non-Participating    | Scipio | 378238.68                          | 4736371.12 | 0:00  | 0   | 0:00  | 0   |
| 397                  | Year-Round Residence | Non-Participating    | Scipio | 378107.18                          | 4736371.41 | 0:00  | 0   | 0:00  | 0   |
| 398                  | Year-Round Residence | Non-Participating    | Scipio | 378297.18                          | 4736294.83 | 0:00  | 0   | 0:00  | 0   |
| 399                  | Year-Round Residence | Non-Participating    | Scipio | 378365.66                          | 4736207.82 | 0:00  | 0   | 0:00  | 0   |
| 400                  | Year-Round Residence | Non-Participating    | Scipio | 378401.71                          | 4736134.85 | 0:00  | 0   | 0:00  | 0   |
| 403                  | Year-Round Residence | Non-Participating    | Scipio | 378443.04                          | 4735898.68 | 0:00  | 0   | 0:00  | 0   |
| 404                  | Year-Round Residence | Non-Participating    | Scipio | 378471.26                          | 4735853.47 | 0:00  | 0   | 0:00  | 0   |
| 406                  | Year-Round Residence | Non-Participating    | Scipio | 378527.85                          | 4735752.51 | 0:00  | 0   | 0:00  | 0   |
| 407                  | Year-Round Residence | Non-Participating    | Venice | 379418.44                          | 4734636.13 | 0:00  | 0   | 0:00  | 0   |
| 408                  | Year-Round Residence | Non-Participating    | Venice | 378811.32                          | 4735200.84 | 0:00  | 0   | 0:00  | 0   |
| 409                  | Year-Round Residence | Non-Participating    | Venice | 378777.44                          | 4735191.95 | 0:00  | 0   | 0:00  | 0   |
| 410                  | Year-Round Residence | Non-Participating    | Venice | 378806.44                          | 4735300.44 | 0:00  | 0   | 0:00  | 0   |
| 419                  | Year-Round Residence | Non-Participating    | Scipio | 377756.08                          | 4735780.44 | 0:00  | 0   | 0:00  | 0   |
| 420                  | Year-Round Residence | Non-Participating    | Scipio | 377834.28                          | 4735863.24 | 0:00  | 0   | 0:00  | 0   |
| 421                  | Year-Round Residence | Non-Participating    | Scipio | 377758.62                          | 4736032.13 | 0:00  | 0   | 0:00  | 0   |
| 422                  | Year-Round Residence | Non-Participating    | Scipio | 377760.75                          | 4736126.17 | 0:00  | 0   | 0:00  | 0   |
| 424                  | Year-Round Residence | Non-Participating    | Scipio | 378029.39                          | 4736175.93 | 0:00  | 0   | 0:00  | 0   |
| 427                  | Year-Round Residence | Non-Participating    | Scipio | 377777.78                          | 4736336.91 | 0:00  | 0   | 0:00  | 0   |
| 428                  | Year-Round Residence | Non-Participating    | Scipio | 377681.32                          | 4736423.36 | 0:00  | 0   | 0:00  | 0   |
| 429                  | Year-Round Residence | Non-Participating    | Scipio | 377760.24                          | 4736466.92 | 0:00  | 0   | 0:00  | 0   |
| 430                  | Year-Round Residence | Non-Participating    | Scipio | 377511.27                          | 4736420.74 | 0:00  | 0   | 0:00  | 0   |
| 431                  | Year-Round Residence | Non-Participating    | Scipio | 374961.46                          | 4741178.49 | 0:00  | 0   | 0:00  | 0   |
| 432                  | Year-Round Residence | Non-Participating    | Scipio | 374810.39                          | 4741083.13 | 0:00  | 0   | 0:00  | 0   |
| 433                  | Year-Round Residence | Non-Participating    | Scipio | 375180.48                          | 4741204.45 | 0:00  | 0   | 0:00  | 0   |
| 434                  | Year-Round Residence | Non-Participating    | Scipio | 374822.08                          | 4740951.38 | 0:00  | 0   | 0:00  | 0   |
| 435                  | Year-Round Residence | Non-Participating    | Scipio | 374823.36                          | 4740864.54 | 0:00  | 0   | 0:00  | 0   |
| 436                  | Year-Round Residence | Non-Participating    | Scipio | 374889.05                          | 4740745.61 | 0:00  | 0   | 0:00  | 0   |
| 438                  | Year-Round Residence | Non-Participating    | Scipio | 374822.90                          | 4740511.45 | 0:00  | 0   | 0:00  | 0   |
| 439                  | Year-Round Residence | Non-Participating    | Scipio | 374933.80                          | 4740458.88 | 0:00  | 0   | 0:00  | 0   |
| 440                  | Year-Round Residence | Non-Participating    | Scipio | 374890.23                          | 4740286.05 | 0:00  | 0   | 0:00  | 0   |
| 441                  | Year-Round Residence | Non-Participating    | Scipio | 374900.82                          | 4740231.00 | 0:00  | 0   | 0:00  | 0   |
| 442                  | Year-Round Residence | Non-Participating    | Scipio | 374861.06                          | 4739699.92 | 0:00  | 0   | 0:00  | 0   |
| 443                  | Year-Round Residence | Non-Participating    | Scipio | 374856.91                          | 4739807.89 | 0:00  | 0   | 0:00  | 0   |
| 446                  | Year-Round Residence | Non-Participating    | Scipio | 374859.13                          | 4739577.90 | 0:00  | 0   | 0:00  | 0   |
| 447                  | Year-Round Residence | Non-Participating    | Scipio | 375675.13                          | 4739496.33 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 448                  | Year-Round Residence | Non-Participating    | Scipio  | 375826.88                          | 4739477.02 | 0:00  | 0   | 0:00  | 0   |
| 449                  | Year-Round Residence | Non-Participating    | Scipio  | 374916.41                          | 4739293.75 | 0:00  | 0   | 0:00  | 0   |
| 450                  | Year-Round Residence | Non-Participating    | Scipio  | 374858.13                          | 4739212.54 | 0:00  | 0   | 0:00  | 0   |
| 451                  | Year-Round Residence | Non-Participating    | Scipio  | 374928.64                          | 4739158.84 | 0:00  | 0   | 0:00  | 0   |
| 453                  | Year-Round Residence | Non-Participating    | Scipio  | 374934.50                          | 4739006.89 | 0:00  | 0   | 0:00  | 0   |
| 454                  | Year-Round Residence | Non-Participating    | Scipio  | 374855.79                          | 4738703.58 | 0:00  | 0   | 0:00  | 0   |
| 455                  | Year-Round Residence | Non-Participating    | Scipio  | 374956.18                          | 4738671.91 | 0:00  | 0   | 0:00  | 0   |
| 456                  | Year-Round Residence | Non-Participating    | Scipio  | 374892.50                          | 4738549.60 | 0:00  | 0   | 0:00  | 0   |
| 457                  | Year-Round Residence | Non-Participating    | Scipio  | 374960.28                          | 4738619.16 | 0:00  | 0   | 0:00  | 0   |
| 459                  | Year-Round Residence | Non-Participating    | Scipio  | 374808.65                          | 4738437.47 | 0:00  | 0   | 0:00  | 0   |
| 460                  | Year-Round Residence | Non-Participating    | Scipio  | 374885.54                          | 4738372.82 | 0:00  | 0   | 0:00  | 0   |
| 461                  | Year-Round Residence | Non-Participating    | Scipio  | 375098.61                          | 4738363.73 | 0:00  | 0   | 0:00  | 0   |
| 462                  | Year-Round Residence | Non-Participating    | Scipio  | 374900.17                          | 4738281.00 | 0:00  | 0   | 0:00  | 0   |
| 464                  | Year-Round Residence | Non-Participating    | Scipio  | 374732.66                          | 4738243.73 | 0:00  | 0   | 0:00  | 0   |
| 476                  | Year-Round Residence | Non-Participating    | Scipio  | 376236.43                          | 4738096.80 | 0:00  | 0   | 0:00  | 0   |
| 493                  | Year-Round Residence | Non-Participating    | Scipio  | 377049.15                          | 4736677.36 | 0:00  | 0   | 0:00  | 0   |
| 503                  | Year-Round Residence | Non-Participating    | Scipio  | 377399.08                          | 4735755.26 | 0:00  | 0   | 0:00  | 0   |
| 511                  | Year-Round Residence | Non-Participating    | Venice  | 377390.89                          | 4734710.21 | 0:00  | 0   | 0:00  | 0   |
| 512                  | Year-Round Residence | Non-Participating    | Venice  | 377672.03                          | 4734708.57 | 0:00  | 0   | 0:00  | 0   |
| 513                  | Year-Round Residence | Non-Participating    | Venice  | 377662.14                          | 4734568.90 | 0:00  | 0   | 0:00  | 0   |
| 514                  | Year-Round Residence | Non-Participating    | Venice  | 377842.22                          | 4734505.58 | 0:00  | 0   | 0:00  | 0   |
| 515                  | Year-Round Residence | Non-Participating    | Venice  | 377718.11                          | 4734473.76 | 0:00  | 0   | 0:00  | 0   |
| 530                  | Year-Round Residence | Non-Participating    | Venice  | 379130.93                          | 4733084.30 | 0:00  | 0   | 0:00  | 0   |
| 531                  | Year-Round Residence | Non-Participating    | Venice  | 379218.26                          | 4732840.73 | 0:00  | 0   | 0:00  | 0   |
| 532                  | Year-Round Residence | Non-Participating    | Venice  | 379327.75                          | 4732577.12 | 0:00  | 0   | 0:00  | 0   |
| 533                  | Year-Round Residence | Non-Participating    | Venice  | 379283.30                          | 4732667.32 | 0:00  | 0   | 0:00  | 0   |
| 534                  | Year-Round Residence | Non-Participating    | Venice  | 379403.04                          | 4732407.89 | 0:00  | 0   | 0:00  | 0   |
| 535                  | Year-Round Residence | Non-Participating    | Venice  | 379258.15                          | 4732468.73 | 0:00  | 0   | 0:00  | 0   |
| 536                  | Year-Round Residence | Non-Participating    | Venice  | 379094.69                          | 4732411.13 | 0:00  | 0   | 0:00  | 0   |
| 537                  | Year-Round Residence | Non-Participating    | Venice  | 379363.95                          | 4732280.39 | 0:00  | 0   | 0:00  | 0   |
| 538                  | Year-Round Residence | Non-Participating    | Venice  | 379480.39                          | 4732193.56 | 0:00  | 0   | 0:00  | 0   |
| 539                  | Year-Round Residence | Non-Participating    | Venice  | 379546.67                          | 4732144.37 | 0:00  | 0   | 0:00  | 0   |
| 540                  | Year-Round Residence | Non-Participating    | Venice  | 379419.37                          | 4732232.85 | 0:00  | 0   | 0:00  | 0   |
| 541                  | Year-Round Residence | Non-Participating    | Venice  | 379820.43                          | 4731962.69 | 0:00  | 0   | 0:00  | 0   |
| 542                  | Year-Round Residence | Non-Participating    | Venice  | 379695.95                          | 4732085.63 | 0:00  | 0   | 0:00  | 0   |
| 543                  | Year-Round Residence | Non-Participating    | Venice  | 379609.23                          | 4732090.52 | 0:00  | 0   | 0:00  | 0   |
| 544                  | Year-Round Residence | Non-Participating    | Venice  | 379945.84                          | 4731793.24 | 0:00  | 0   | 0:00  | 0   |
| 545                  | Year-Round Residence | Non-Participating    | Venice  | 379981.26                          | 4731686.87 | 0:00  | 0   | 0:00  | 0   |
| 546                  | Year-Round Residence | Non-Participating    | Moravia | 380117.58                          | 4731672.32 | 0:00  | 0   | 0:00  | 0   |
| 547                  | Year-Round Residence | Non-Participating    | Venice  | 380038.60                          | 4731625.49 | 0:00  | 0   | 0:00  | 0   |
| 548                  | Year-Round Residence | Non-Participating    | Moravia | 380253.21                          | 4731640.72 | 0:00  | 0   | 0:00  | 0   |
| 549                  | Year-Round Residence | Non-Participating    | Venice  | 380049.66                          | 4731556.63 | 0:00  | 0   | 0:00  | 0   |
| 550                  | Year-Round Residence | Non-Participating    | Moravia | 380327.64                          | 4731638.96 | 0:00  | 0   | 0:00  | 0   |
| 551                  | Year-Round Residence | Non-Participating    | Moravia | 380387.17                          | 4731622.60 | 0:00  | 0   | 0:00  | 0   |
| 552                  | Year-Round Residence | Non-Participating    | Moravia | 380517.73                          | 4731579.93 | 0:00  | 0   | 0:00  | 0   |
| 553                  | Year-Round Residence | Non-Participating    | Moravia | 380384.41                          | 4731512.45 | 0:00  | 0   | 0:00  | 0   |
| 557                  | Year-Round Residence | Non-Participating    | Venice  | 380052.09                          | 4731414.91 | 0:00  | 0   | 0:00  | 0   |
| 558                  | Year-Round Residence | Non-Participating    | Moravia | 380171.99                          | 4731107.26 | 0:00  | 0   | 0:00  | 0   |
| 559                  | Year-Round Residence | Non-Participating    | Venice  | 380051.70                          | 4731077.43 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 560                  | Year-Round Residence | Non-Participating    | Venice  | 380070.41                          | 4731133.11 | 0:00  | 0   | 0:00  | 0   |
| 563                  | Year-Round Residence | Non-Participating    | Moravia | 380148.32                          | 4730987.36 | 0:00  | 0   | 0:00  | 0   |
| 564                  | Year-Round Residence | Non-Participating    | Venice  | 380074.55                          | 4730966.22 | 0:00  | 0   | 0:00  | 0   |
| 565                  | Year-Round Residence | Non-Participating    | Venice  | 380050.06                          | 4730919.46 | 0:00  | 0   | 0:00  | 0   |
| 566                  | Year-Round Residence | Non-Participating    | Venice  | 380080.01                          | 4730850.60 | 0:00  | 0   | 0:00  | 0   |
| 567                  | Year-Round Residence | Non-Participating    | Moravia | 380139.31                          | 4730933.04 | 0:00  | 0   | 0:00  | 0   |
| 568                  | Year-Round Residence | Non-Participating    | Moravia | 380156.81                          | 4730878.23 | 0:00  | 0   | 0:00  | 0   |
| 569                  | Year-Round Residence | Non-Participating    | Venice  | 379948.14                          | 4730792.05 | 0:00  | 0   | 0:00  | 0   |
| 570                  | Year-Round Residence | Non-Participating    | Venice  | 380088.55                          | 4730725.12 | 0:00  | 0   | 0:00  | 0   |
| 571                  | Year-Round Residence | Non-Participating    | Venice  | 380077.94                          | 4730779.08 | 0:00  | 0   | 0:00  | 0   |
| 572                  | Year-Round Residence | Non-Participating    | Venice  | 380089.15                          | 4730505.34 | 0:00  | 0   | 0:00  | 0   |
| 588                  | Year-Round Residence | Non-Participating    | Venice  | 377774.09                          | 4732879.92 | 0:00  | 0   | 0:00  | 0   |
| 589                  | Year-Round Residence | Non-Participating    | Venice  | 377821.31                          | 4732791.11 | 0:00  | 0   | 0:00  | 0   |
| 590                  | Year-Round Residence | Non-Participating    | Venice  | 377847.66                          | 4732858.86 | 0:00  | 0   | 0:00  | 0   |
| 591                  | Year-Round Residence | Non-Participating    | Venice  | 377887.48                          | 4732849.86 | 0:00  | 0   | 0:00  | 0   |
| 592                  | Year-Round Residence | Non-Participating    | Venice  | 377903.62                          | 4732762.58 | 0:00  | 0   | 0:00  | 0   |
| 593                  | Year-Round Residence | Non-Participating    | Venice  | 377942.47                          | 4732752.01 | 0:00  | 0   | 0:00  | 0   |
| 594                  | Year-Round Residence | Non-Participating    | Venice  | 377961.92                          | 4732858.30 | 0:00  | 0   | 0:00  | 0   |
| 595                  | Year-Round Residence | Non-Participating    | Venice  | 378031.81                          | 4732844.29 | 0:00  | 0   | 0:00  | 0   |
| 596                  | Year-Round Residence | Non-Participating    | Venice  | 378092.86                          | 4732816.17 | 0:00  | 0   | 0:00  | 0   |
| 597                  | Year-Round Residence | Non-Participating    | Venice  | 378140.29                          | 4732840.04 | 0:00  | 0   | 0:00  | 0   |
| 598                  | Year-Round Residence | Non-Participating    | Venice  | 378195.62                          | 4732811.70 | 0:00  | 0   | 0:00  | 0   |
| 601                  | Year-Round Residence | Non-Participating    | Venice  | 378290.06                          | 4732938.80 | 0:00  | 0   | 0:00  | 0   |
| 604                  | Year-Round Residence | Non-Participating    | Venice  | 378503.69                          | 4732549.76 | 0:00  | 0   | 0:00  | 0   |
| 605                  | Year-Round Residence | Non-Participating    | Venice  | 378964.73                          | 4732608.41 | 0:00  | 0   | 0:00  | 0   |
| 618                  | Year-Round Residence | Non-Participating    | Venice  | 378481.17                          | 4731753.74 | 0:00  | 0   | 0:00  | 0   |
| 620                  | Year-Round Residence | Non-Participating    | Venice  | 379402.21                          | 4731828.34 | 0:00  | 0   | 0:00  | 0   |
| 621                  | Year-Round Residence | Non-Participating    | Venice  | 379019.02                          | 4731232.57 | 0:00  | 0   | 0:00  | 0   |
| 622                  | Year-Round Residence | Non-Participating    | Venice  | 379056.17                          | 4731120.91 | 0:00  | 0   | 0:00  | 0   |
| 623                  | Year-Round Residence | Non-Participating    | Venice  | 379112.86                          | 4730897.01 | 0:00  | 0   | 0:00  | 0   |
| 626                  | Year-Round Residence | Non-Participating    | Venice  | 379025.01                          | 4730721.60 | 0:00  | 0   | 0:00  | 0   |
| 627                  | Year-Round Residence | Non-Participating    | Venice  | 379069.55                          | 4730120.77 | 0:00  | 0   | 0:00  | 0   |
| 628                  | Year-Round Residence | Non-Participating    | Venice  | 379238.06                          | 4730068.39 | 0:00  | 0   | 0:00  | 0   |
| 629                  | Year-Round Residence | Non-Participating    | Venice  | 379308.52                          | 4730145.22 | 0:00  | 0   | 0:00  | 0   |
| 630                  | Year-Round Residence | Non-Participating    | Venice  | 379177.59                          | 4730063.69 | 0:00  | 0   | 0:00  | 0   |
| 636                  | Year-Round Residence | Non-Participating    | Venice  | 377111.10                          | 4730900.97 | 0:00  | 0   | 0:00  | 0   |
| 638                  | Year-Round Residence | Non-Participating    | Venice  | 377187.78                          | 4730473.68 | 0:00  | 0   | 0:00  | 0   |
| 639                  | Year-Round Residence | Non-Participating    | Venice  | 377177.56                          | 4730583.35 | 0:00  | 0   | 0:00  | 0   |
| 645                  | Year-Round Residence | Non-Participating    | Venice  | 377209.87                          | 4730089.36 | 0:00  | 0   | 0:00  | 0   |
| 648                  | Year-Round Residence | Non-Participating    | Venice  | 378158.82                          | 4730088.50 | 0:00  | 0   | 0:00  | 0   |
| 651                  | Year-Round Residence | Non-Participating    | Venice  | 378627.37                          | 4730467.53 | 0:00  | 0   | 0:00  | 0   |
| 652                  | Year-Round Residence | Non-Participating    | Venice  | 378627.90                          | 4730413.63 | 0:00  | 0   | 0:00  | 0   |
| 653                  | Year-Round Residence | Non-Participating    | Venice  | 378625.27                          | 4730355.69 | 0:00  | 0   | 0:00  | 0   |
| 654                  | Year-Round Residence | Non-Participating    | Venice  | 378625.42                          | 4730281.78 | 0:00  | 0   | 0:00  | 0   |
| 655                  | Year-Round Residence | Non-Participating    | Venice  | 378622.63                          | 4730187.39 | 0:00  | 0   | 0:00  | 0   |
| 656                  | Year-Round Residence | Non-Participating    | Venice  | 378620.09                          | 4730134.07 | 0:00  | 0   | 0:00  | 0   |
| 657                  | Year-Round Residence | Non-Participating    | Venice  | 378886.27                          | 4730123.94 | 0:00  | 0   | 0:00  | 0   |
| 658                  | Year-Round Residence | Non-Participating    | Venice  | 378710.66                          | 4730010.22 | 0:00  | 0   | 0:00  | 0   |
| 659                  | Year-Round Residence | Non-Participating    | Venice  | 378199.52                          | 4729189.92 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 664                  | Year-Round Residence | Non-Participating    | Venice | 377189.15                          | 4729884.45 | 0:00  | 0   | 0:00  | 0   |
| 670                  | Year-Round Residence | Non-Participating    | Venice | 377145.68                          | 4729609.03 | 0:00  | 0   | 0:00  | 0   |
| 671                  | Year-Round Residence | Non-Participating    | Venice | 377136.49                          | 4729219.93 | 0:00  | 0   | 0:00  | 0   |
| 672                  | Year-Round Residence | Non-Participating    | Scipio | 373751.33                          | 4740767.95 | 0:00  | 0   | 0:00  | 0   |
| 673                  | Year-Round Residence | Non-Participating    | Scipio | 373593.96                          | 4740365.45 | 0:00  | 0   | 0:00  | 0   |
| 674                  | Year-Round Residence | Non-Participating    | Scipio | 374002.17                          | 4739615.65 | 0:00  | 0   | 0:00  | 0   |
| 675                  | Year-Round Residence | Non-Participating    | Scipio | 373772.19                          | 4739547.63 | 0:00  | 0   | 0:00  | 0   |
| 676                  | Year-Round Residence | Non-Participating    | Scipio | 374237.87                          | 4739548.19 | 0:00  | 0   | 0:00  | 0   |
| 677                  | Year-Round Residence | Non-Participating    | Scipio | 374192.31                          | 4739616.21 | 0:00  | 0   | 0:00  | 0   |
| 679                  | Year-Round Residence | Non-Participating    | Scipio | 374559.59                          | 4739622.40 | 0:00  | 0   | 0:00  | 0   |
| 680                  | Year-Round Residence | Non-Participating    | Scipio | 374593.28                          | 4739619.01 | 0:00  | 0   | 0:00  | 0   |
| 682                  | Year-Round Residence | Non-Participating    | Scipio | 372382.31                          | 4740812.30 | 0:00  | 0   | 0:00  | 0   |
| 686                  | Year-Round Residence | Non-Participating    | Scipio | 372485.00                          | 4739857.00 | 0:00  | 0   | 0:00  | 0   |
| 690                  | Year-Round Residence | Non-Participating    | Scipio | 372583.11                          | 4739578.92 | 0:00  | 0   | 0:00  | 0   |
| 691                  | Year-Round Residence | Non-Participating    | Scipio | 372375.07                          | 4739560.78 | 0:00  | 0   | 0:00  | 0   |
| 692                  | Year-Round Residence | Non-Participating    | Scipio | 372416.23                          | 4739551.40 | 0:00  | 0   | 0:00  | 0   |
| 696                  | Year-Round Residence | Non-Participating    | Scipio | 373521.24                          | 4739591.61 | 0:00  | 0   | 0:00  | 0   |
| 697                  | Year-Round Residence | Non-Participating    | Scipio | 373478.20                          | 4739592.76 | 0:00  | 0   | 0:00  | 0   |
| 704                  | Year-Round Residence | Non-Participating    | Scipio | 372493.88                          | 4739258.69 | 0:00  | 0   | 0:00  | 0   |
| 706                  | Year-Round Residence | Non-Participating    | Scipio | 372428.89                          | 4739083.59 | 0:00  | 0   | 0:00  | 0   |
| 707                  | Year-Round Residence | Non-Participating    | Scipio | 372523.75                          | 4738792.38 | 0:00  | 0   | 0:00  | 0   |
| 712                  | Year-Round Residence | Non-Participating    | Scipio | 372511.71                          | 4738311.56 | 0:00  | 0   | 0:00  | 0   |
| 713                  | Year-Round Residence | Non-Participating    | Scipio | 372513.14                          | 4738267.39 | 0:00  | 0   | 0:00  | 0   |
| 714                  | Year-Round Residence | Non-Participating    | Scipio | 372515.61                          | 4738212.16 | 0:00  | 0   | 0:00  | 0   |
| 715                  | Year-Round Residence | Non-Participating    | Scipio | 372516.13                          | 4738186.32 | 0:00  | 0   | 0:00  | 0   |
| 716                  | Year-Round Residence | Non-Participating    | Scipio | 372511.99                          | 4738126.20 | 0:00  | 0   | 0:00  | 0   |
| 719                  | Year-Round Residence | Non-Participating    | Scipio | 372431.11                          | 4738039.69 | 0:00  | 0   | 0:00  | 0   |
| 723                  | Year-Round Residence | Non-Participating    | Scipio | 372450.31                          | 4737940.26 | 0:00  | 0   | 0:00  | 0   |
| 724                  | Year-Round Residence | Non-Participating    | Scipio | 372469.28                          | 4737922.09 | 0:00  | 0   | 0:00  | 0   |
| 725                  | Year-Round Residence | Non-Participating    | Scipio | 372578.41                          | 4737936.85 | 0:00  | 0   | 0:00  | 0   |
| 726                  | Year-Round Residence | Non-Participating    | Scipio | 372520.46                          | 4737989.60 | 0:00  | 0   | 0:00  | 0   |
| 727                  | Year-Round Residence | Non-Participating    | Scipio | 372634.62                          | 4737938.55 | 0:00  | 0   | 0:00  | 0   |
| 728                  | Year-Round Residence | Non-Participating    | Scipio | 372612.28                          | 4737937.47 | 0:00  | 0   | 0:00  | 0   |
| 729                  | Year-Round Residence | Non-Participating    | Scipio | 372639.18                          | 4737994.15 | 0:00  | 0   | 0:00  | 0   |
| 733                  | Year-Round Residence | Non-Participating    | Scipio | 372686.52                          | 4737991.00 | 0:00  | 0   | 0:00  | 0   |
| 734                  | Year-Round Residence | Non-Participating    | Scipio | 372677.87                          | 4737930.72 | 0:00  | 0   | 0:00  | 0   |
| 735                  | Year-Round Residence | Non-Participating    | Scipio | 372721.40                          | 4737938.18 | 0:00  | 0   | 0:00  | 0   |
| 736                  | Year-Round Residence | Non-Participating    | Scipio | 372760.56                          | 4737993.37 | 0:00  | 0   | 0:00  | 0   |
| 737                  | Year-Round Residence | Non-Participating    | Scipio | 372830.88                          | 4737998.57 | 0:00  | 0   | 0:00  | 0   |
| 739                  | Year-Round Residence | Non-Participating    | Scipio | 372838.18                          | 4737933.23 | 0:00  | 0   | 0:00  | 0   |
| 741                  | Year-Round Residence | Non-Participating    | Scipio | 372914.97                          | 4737988.72 | 0:00  | 0   | 0:00  | 0   |
| 742                  | Year-Round Residence | Non-Participating    | Scipio | 372889.15                          | 4737936.03 | 0:00  | 0   | 0:00  | 0   |
| 743                  | Year-Round Residence | Non-Participating    | Scipio | 372999.13                          | 4737942.75 | 0:00  | 0   | 0:00  | 0   |
| 744                  | Year-Round Residence | Non-Participating    | Scipio | 373055.90                          | 4737934.41 | 0:00  | 0   | 0:00  | 0   |
| 763                  | Year-Round Residence | Non-Participating    | Scipio | 372458.81                          | 4737892.80 | 0:00  | 0   | 0:00  | 0   |
| 764                  | Year-Round Residence | Non-Participating    | Scipio | 372520.83                          | 4737814.92 | 0:00  | 0   | 0:00  | 0   |
| 765                  | Year-Round Residence | Non-Participating    | Scipio | 372465.00                          | 4737846.83 | 0:00  | 0   | 0:00  | 0   |
| 769                  | Year-Round Residence | Non-Participating    | Scipio | 372476.22                          | 4737763.30 | 0:00  | 0   | 0:00  | 0   |
| 770                  | Year-Round Residence | Non-Participating    | Scipio | 372473.50                          | 4737712.43 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 771                  | Year-Round Residence | Non-Participating    | Scipio | 372527.93                          | 4737734.99 | 0:00  | 0   | 0:00  | 0   |
| 789                  | Year-Round Residence | Non-Participating    | Scipio | 372538.19                          | 4735839.04 | 0:00  | 0   | 0:00  | 0   |
| 791                  | Year-Round Residence | Non-Participating    | Scipio | 373074.74                          | 4735843.27 | 0:00  | 0   | 0:00  | 0   |
| 826                  | Year-Round Residence | Non-Participating    | Venice | 375925.93                          | 4733038.83 | 0:00  | 0   | 0:00  | 0   |
| 853                  | Year-Round Residence | Non-Participating    | Venice | 375705.30                          | 4730990.51 | 0:00  | 0   | 0:00  | 0   |
| 854                  | Year-Round Residence | Non-Participating    | Venice | 375779.95                          | 4730574.81 | 0:00  | 0   | 0:00  | 0   |
| 855                  | Year-Round Residence | Non-Participating    | Venice | 376137.98                          | 4730055.92 | 0:00  | 0   | 0:00  | 0   |
| 859                  | Year-Round Residence | Non-Participating    | Venice | 375827.90                          | 4729868.11 | 0:00  | 0   | 0:00  | 0   |
| 860                  | Year-Round Residence | Non-Participating    | Venice | 376084.55                          | 4729222.10 | 0:00  | 0   | 0:00  | 0   |
| 861                  | Year-Round Residence | Non-Participating    | Venice | 376139.57                          | 4728867.53 | 0:00  | 0   | 0:00  | 0   |
| 863                  | Year-Round Residence | Non-Participating    | Venice | 376187.16                          | 4728523.95 | 0:00  | 0   | 0:00  | 0   |
| 864                  | Year-Round Residence | Non-Participating    | Venice | 376134.79                          | 4728559.72 | 0:00  | 0   | 0:00  | 0   |
| 866                  | Year-Round Residence | Non-Participating    | Venice | 376094.75                          | 4728297.67 | 0:00  | 0   | 0:00  | 0   |
| 891                  | Year-Round Residence | Non-Participating    | Venice | 372597.84                          | 4733085.32 | 0:00  | 0   | 0:00  | 0   |
| 893                  | Year-Round Residence | Non-Participating    | Venice | 372639.17                          | 4733091.16 | 0:00  | 0   | 0:00  | 0   |
| 894                  | Year-Round Residence | Non-Participating    | Venice | 372643.58                          | 4733067.49 | 0:00  | 0   | 0:00  | 0   |
| 895                  | Year-Round Residence | Non-Participating    | Venice | 372669.08                          | 4732993.39 | 0:00  | 0   | 0:00  | 0   |
| 898                  | Year-Round Residence | Non-Participating    | Venice | 372837.34                          | 4732902.14 | 0:00  | 0   | 0:00  | 0   |
| 906                  | Year-Round Residence | Non-Participating    | Venice | 373751.96                          | 4732983.28 | 0:00  | 0   | 0:00  | 0   |
| 909                  | Year-Round Residence | Non-Participating    | Venice | 374416.57                          | 4732998.69 | 0:00  | 0   | 0:00  | 0   |
| 910                  | Year-Round Residence | Non-Participating    | Venice | 374428.35                          | 4733016.38 | 0:00  | 0   | 0:00  | 0   |
| 916                  | Year-Round Residence | Non-Participating    | Venice | 372829.83                          | 4732213.83 | 0:00  | 0   | 0:00  | 0   |
| 917                  | Year-Round Residence | Non-Participating    | Venice | 372742.38                          | 4732221.63 | 0:00  | 0   | 0:00  | 0   |
| 918                  | Year-Round Residence | Non-Participating    | Venice | 372822.67                          | 4732087.60 | 0:00  | 0   | 0:00  | 0   |
| 930                  | Year-Round Residence | Non-Participating    | Venice | 373553.30                          | 4731613.11 | 0:00  | 0   | 0:00  | 0   |
| 946                  | Year-Round Residence | Non-Participating    | Venice | 373281.23                          | 4730707.63 | 0:00  | 0   | 0:00  | 0   |
| 949                  | Year-Round Residence | Non-Participating    | Venice | 373454.13                          | 4730339.13 | 0:00  | 0   | 0:00  | 0   |
| 950                  | Year-Round Residence | Non-Participating    | Venice | 373513.16                          | 4730245.92 | 0:00  | 0   | 0:00  | 0   |
| 958                  | Year-Round Residence | Non-Participating    | Venice | 373427.79                          | 4730045.06 | 0:00  | 0   | 0:00  | 0   |
| 959                  | Year-Round Residence | Non-Participating    | Venice | 373764.55                          | 4730062.23 | 0:00  | 0   | 0:00  | 0   |
| 960                  | Year-Round Residence | Non-Participating    | Venice | 373644.54                          | 4729935.02 | 0:00  | 0   | 0:00  | 0   |
| 961                  | Year-Round Residence | Non-Participating    | Venice | 373763.67                          | 4729799.06 | 0:00  | 0   | 0:00  | 0   |
| 962                  | Year-Round Residence | Non-Participating    | Venice | 373813.04                          | 4729475.92 | 0:00  | 0   | 0:00  | 0   |
| 966                  | Year-Round Residence | Non-Participating    | Venice | 374049.59                          | 4728848.78 | 0:00  | 0   | 0:00  | 0   |
| 967                  | Year-Round Residence | Non-Participating    | Venice | 374010.11                          | 4728714.02 | 0:00  | 0   | 0:00  | 0   |
| 973                  | Year-Round Residence | Non-Participating    | Venice | 374147.12                          | 4728456.35 | 0:00  | 0   | 0:00  | 0   |
| 975                  | Year-Round Residence | Non-Participating    | Venice | 374427.97                          | 4728254.59 | 0:00  | 0   | 0:00  | 0   |
| 976                  | Year-Round Residence | Non-Participating    | Venice | 374499.57                          | 4727588.59 | 0:00  | 0   | 0:00  | 0   |
| 977                  | Year-Round Residence | Non-Participating    | Venice | 374528.05                          | 4727540.76 | 0:00  | 0   | 0:00  | 0   |
| 978                  | Year-Round Residence | Non-Participating    | Venice | 374410.04                          | 4727545.45 | 0:00  | 0   | 0:00  | 0   |
| 979                  | Year-Round Residence | Non-Participating    | Venice | 374456.43                          | 4727447.51 | 0:00  | 0   | 0:00  | 0   |
| 985                  | Year-Round Residence | Non-Participating    | Venice | 374677.55                          | 4727550.41 | 0:00  | 0   | 0:00  | 0   |
| 986                  | Year-Round Residence | Non-Participating    | Venice | 374593.06                          | 4727546.59 | 0:00  | 0   | 0:00  | 0   |
| 987                  | Year-Round Residence | Non-Participating    | Venice | 374724.84                          | 4727671.09 | 0:00  | 0   | 0:00  | 0   |
| 989                  | Year-Round Residence | Non-Participating    | Scipio | 370635.99                          | 4740556.00 | 0:00  | 0   | 0:00  | 0   |
| 990                  | Year-Round Residence | Non-Participating    | Scipio | 370698.10                          | 4740558.67 | 0:00  | 0   | 0:00  | 0   |
| 991                  | Year-Round Residence | Non-Participating    | Scipio | 370628.23                          | 4740466.57 | 0:00  | 0   | 0:00  | 0   |
| 992                  | Year-Round Residence | Non-Participating    | Scipio | 370634.28                          | 4740209.25 | 0:00  | 0   | 0:00  | 0   |
| 994                  | Year-Round Residence | Non-Participating    | Scipio | 370578.79                          | 4739860.96 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 998                  | Year-Round Residence | Non-Participating    | Scipio | 370350.80                          | 4739781.42 | 0:00  | 0   | 0:00  | 0   |
| 999                  | Year-Round Residence | Non-Participating    | Scipio | 370198.64                          | 4739804.76 | 0:00  | 0   | 0:00  | 0   |
| 1000                 | Year-Round Residence | Non-Participating    | Scipio | 370071.45                          | 4739658.07 | 0:00  | 0   | 0:00  | 0   |
| 1001                 | Year-Round Residence | Non-Participating    | Scipio | 369882.41                          | 4739710.88 | 0:00  | 0   | 0:00  | 0   |
| 1002                 | Year-Round Residence | Non-Participating    | Scipio | 369531.59                          | 4739751.06 | 0:00  | 0   | 0:00  | 0   |
| 1004                 | Year-Round Residence | Non-Participating    | Scipio | 370522.33                          | 4739516.89 | 0:00  | 0   | 0:00  | 0   |
| 1005                 | Year-Round Residence | Non-Participating    | Scipio | 370528.91                          | 4739355.01 | 0:00  | 0   | 0:00  | 0   |
| 1006                 | Year-Round Residence | Non-Participating    | Scipio | 370517.17                          | 4739465.89 | 0:00  | 0   | 0:00  | 0   |
| 1007                 | Year-Round Residence | Non-Participating    | Scipio | 370821.72                          | 4739460.53 | 0:00  | 0   | 0:00  | 0   |
| 1009                 | Year-Round Residence | Non-Participating    | Scipio | 371354.10                          | 4739524.57 | 0:00  | 0   | 0:00  | 0   |
| 1010                 | Year-Round Residence | Non-Participating    | Scipio | 371862.43                          | 4739542.54 | 0:00  | 0   | 0:00  | 0   |
| 1011                 | Year-Round Residence | Non-Participating    | Scipio | 370523.87                          | 4739200.23 | 0:00  | 0   | 0:00  | 0   |
| 1012                 | Year-Round Residence | Non-Participating    | Scipio | 370541.50                          | 4739143.51 | 0:00  | 0   | 0:00  | 0   |
| 1015                 | Year-Round Residence | Non-Participating    | Scipio | 370544.70                          | 4738981.30 | 0:00  | 0   | 0:00  | 0   |
| 1016                 | Year-Round Residence | Non-Participating    | Scipio | 370540.26                          | 4738900.02 | 0:00  | 0   | 0:00  | 0   |
| 1017                 | Year-Round Residence | Non-Participating    | Scipio | 370536.77                          | 4738798.84 | 0:00  | 0   | 0:00  | 0   |
| 1018                 | Year-Round Residence | Non-Participating    | Scipio | 370472.45                          | 4738704.63 | 0:00  | 0   | 0:00  | 0   |
| 1020                 | Year-Round Residence | Non-Participating    | Scipio | 370452.63                          | 4738107.00 | 0:00  | 0   | 0:00  | 0   |
| 1021                 | Year-Round Residence | Non-Participating    | Scipio | 370473.55                          | 4738175.43 | 0:00  | 0   | 0:00  | 0   |
| 1024                 | Year-Round Residence | Non-Participating    | Scipio | 370349.66                          | 4737924.26 | 0:00  | 0   | 0:00  | 0   |
| 1025                 | Year-Round Residence | Non-Participating    | Scipio | 370352.04                          | 4737853.18 | 0:00  | 0   | 0:00  | 0   |
| 1026                 | Year-Round Residence | Non-Participating    | Scipio | 370434.60                          | 4737917.10 | 0:00  | 0   | 0:00  | 0   |
| 1027                 | Year-Round Residence | Non-Participating    | Scipio | 370681.79                          | 4737939.76 | 0:00  | 0   | 0:00  | 0   |
| 1028                 | Year-Round Residence | Non-Participating    | Scipio | 370688.43                          | 4737855.88 | 0:00  | 0   | 0:00  | 0   |
| 1029                 | Year-Round Residence | Non-Participating    | Scipio | 370790.55                          | 4737930.56 | 0:00  | 0   | 0:00  | 0   |
| 1031                 | Year-Round Residence | Non-Participating    | Scipio | 371148.25                          | 4737953.00 | 0:00  | 0   | 0:00  | 0   |
| 1032                 | Year-Round Residence | Non-Participating    | Scipio | 371119.04                          | 4737893.65 | 0:00  | 0   | 0:00  | 0   |
| 1035                 | Year-Round Residence | Non-Participating    | Scipio | 371586.89                          | 4737971.67 | 0:00  | 0   | 0:00  | 0   |
| 1036                 | Year-Round Residence | Non-Participating    | Scipio | 371426.94                          | 4737962.80 | 0:00  | 0   | 0:00  | 0   |
| 1038                 | Year-Round Residence | Non-Participating    | Scipio | 372080.17                          | 4737926.23 | 0:00  | 0   | 0:00  | 0   |
| 1039                 | Year-Round Residence | Non-Participating    | Scipio | 372108.01                          | 4737927.29 | 0:00  | 0   | 0:00  | 0   |
| 1040                 | Year-Round Residence | Non-Participating    | Scipio | 372193.09                          | 4737927.02 | 0:00  | 0   | 0:00  | 0   |
| 1041                 | Year-Round Residence | Non-Participating    | Scipio | 372223.67                          | 4737890.14 | 0:00  | 0   | 0:00  | 0   |
| 1042                 | Year-Round Residence | Non-Participating    | Scipio | 372273.70                          | 4737934.69 | 0:00  | 0   | 0:00  | 0   |
| 1043                 | Year-Round Residence | Non-Participating    | Scipio | 372294.81                          | 4737938.87 | 0:00  | 0   | 0:00  | 0   |
| 1044                 | Year-Round Residence | Non-Participating    | Scipio | 372335.35                          | 4737938.96 | 0:00  | 0   | 0:00  | 0   |
| 1045                 | Year-Round Residence | Non-Participating    | Scipio | 372417.82                          | 4737940.46 | 0:00  | 0   | 0:00  | 0   |
| 1048                 | Year-Round Residence | Non-Participating    | Scipio | 370362.13                          | 4737411.30 | 0:00  | 0   | 0:00  | 0   |
| 1049                 | Year-Round Residence | Non-Participating    | Scipio | 370431.96                          | 4737296.15 | 0:00  | 0   | 0:00  | 0   |
| 1050                 | Year-Round Residence | Non-Participating    | Scipio | 370397.68                          | 4737235.04 | 0:00  | 0   | 0:00  | 0   |
| 1054                 | Year-Round Residence | Non-Participating    | Scipio | 370479.10                          | 4736941.43 | 0:00  | 0   | 0:00  | 0   |
| 1060                 | Year-Round Residence | Non-Participating    | Scipio | 370737.30                          | 4735824.12 | 0:00  | 0   | 0:00  | 0   |
| 1061                 | Year-Round Residence | Non-Participating    | Scipio | 370796.17                          | 4735753.47 | 0:00  | 0   | 0:00  | 0   |
| 1068                 | Year-Round Residence | Non-Participating    | Scipio | 370984.92                          | 4735784.99 | 0:00  | 0   | 0:00  | 0   |
| 1069                 | Year-Round Residence | Non-Participating    | Scipio | 370941.32                          | 4735776.20 | 0:00  | 0   | 0:00  | 0   |
| 1071                 | Year-Round Residence | Non-Participating    | Scipio | 371627.95                          | 4735862.12 | 0:00  | 0   | 0:00  | 0   |
| 1072                 | Year-Round Residence | Non-Participating    | Scipio | 371852.44                          | 4735915.93 | 0:00  | 0   | 0:00  | 0   |
| 1077                 | Year-Round Residence | Non-Participating    | Scipio | 372351.38                          | 4735665.18 | 0:00  | 0   | 0:00  | 0   |
| 1078                 | Year-Round Residence | Non-Participating    | Scipio | 370668.53                          | 4735769.92 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1079                 | Year-Round Residence | Non-Participating    | Scipio | 370822.45                          | 4735679.32 | 0:00  | 0   | 0:00  | 0   |
| 1080                 | Year-Round Residence | Non-Participating    | Scipio | 370834.95                          | 4735677.92 | 0:00  | 0   | 0:00  | 0   |
| 1081                 | Year-Round Residence | Non-Participating    | Scipio | 370851.09                          | 4735668.58 | 0:00  | 0   | 0:00  | 0   |
| 1082                 | Year-Round Residence | Non-Participating    | Scipio | 370854.12                          | 4735658.91 | 0:00  | 0   | 0:00  | 0   |
| 1092                 | Year-Round Residence | Non-Participating    | Scipio | 370825.53                          | 4734806.52 | 0:00  | 0   | 0:00  | 0   |
| 1095                 | Year-Round Residence | Non-Participating    | Scipio | 371580.56                          | 4734816.77 | 0:00  | 0   | 0:00  | 0   |
| 1096                 | Year-Round Residence | Non-Participating    | Scipio | 371762.93                          | 4734798.49 | 0:00  | 0   | 0:00  | 0   |
| 1104                 | Year-Round Residence | Non-Participating    | Venice | 370896.40                          | 4734478.04 | 0:00  | 0   | 0:00  | 0   |
| 1107                 | Year-Round Residence | Non-Participating    | Venice | 370847.21                          | 4734272.15 | 0:00  | 0   | 0:00  | 0   |
| 1108                 | Year-Round Residence | Non-Participating    | Venice | 370879.40                          | 4733951.64 | 0:00  | 0   | 0:00  | 0   |
| 1113                 | Year-Round Residence | Non-Participating    | Venice | 370936.50                          | 4733488.98 | 0:00  | 0   | 0:00  | 0   |
| 1116                 | Year-Round Residence | Non-Participating    | Venice | 372285.65                          | 4732919.49 | 0:00  | 0   | 0:00  | 0   |
| 1117                 | Year-Round Residence | Non-Participating    | Venice | 372321.22                          | 4732954.31 | 0:00  | 0   | 0:00  | 0   |
| 1118                 | Year-Round Residence | Non-Participating    | Venice | 372300.82                          | 4733098.03 | 0:00  | 0   | 0:00  | 0   |
| 1120                 | Year-Round Residence | Non-Participating    | Venice | 372336.95                          | 4733027.23 | 0:00  | 0   | 0:00  | 0   |
| 1122                 | Year-Round Residence | Non-Participating    | Venice | 372252.76                          | 4732989.37 | 0:00  | 0   | 0:00  | 0   |
| 1127                 | Year-Round Residence | Non-Participating    | Venice | 372589.81                          | 4733019.10 | 0:00  | 0   | 0:00  | 0   |
| 1128                 | Year-Round Residence | Non-Participating    | Venice | 372582.06                          | 4732927.73 | 0:00  | 0   | 0:00  | 0   |
| 1129                 | Year-Round Residence | Non-Participating    | Venice | 372542.30                          | 4732925.09 | 0:00  | 0   | 0:00  | 0   |
| 1133                 | Year-Round Residence | Non-Participating    | Venice | 371065.32                          | 4732364.50 | 0:00  | 0   | 0:00  | 0   |
| 1136                 | Year-Round Residence | Non-Participating    | Venice | 371144.54                          | 4732149.09 | 0:00  | 0   | 0:00  | 0   |
| 1152                 | Year-Round Residence | Non-Participating    | Venice | 370896.62                          | 4731944.72 | 0:00  | 0   | 0:00  | 0   |
| 1153                 | Year-Round Residence | Non-Participating    | Venice | 370742.82                          | 4731739.97 | 0:00  | 0   | 0:00  | 0   |
| 1154                 | Year-Round Residence | Non-Participating    | Venice | 370733.21                          | 4731153.71 | 0:00  | 0   | 0:00  | 0   |
| 1155                 | Year-Round Residence | Non-Participating    | Venice | 370677.56                          | 4731138.61 | 0:00  | 0   | 0:00  | 0   |
| 1156                 | Year-Round Residence | Non-Participating    | Venice | 371035.82                          | 4730909.73 | 0:00  | 0   | 0:00  | 0   |
| 1158                 | Year-Round Residence | Non-Participating    | Venice | 371261.41                          | 4731003.25 | 0:00  | 0   | 0:00  | 0   |
| 1159                 | Year-Round Residence | Non-Participating    | Venice | 371318.22                          | 4730914.77 | 0:00  | 0   | 0:00  | 0   |
| 1161                 | Year-Round Residence | Non-Participating    | Venice | 371581.43                          | 4731404.85 | 0:00  | 0   | 0:00  | 0   |
| 1162                 | Year-Round Residence | Non-Participating    | Venice | 371429.57                          | 4731581.17 | 0:00  | 0   | 0:00  | 0   |
| 1163                 | Year-Round Residence | Non-Participating    | Venice | 371407.66                          | 4731628.67 | 0:00  | 0   | 0:00  | 0   |
| 1164                 | Year-Round Residence | Non-Participating    | Venice | 372006.30                          | 4730073.93 | 0:00  | 0   | 0:00  | 0   |
| 1165                 | Year-Round Residence | Non-Participating    | Venice | 372058.30                          | 4729964.80 | 0:00  | 0   | 0:00  | 0   |
| 1167                 | Year-Round Residence | Non-Participating    | Venice | 372128.51                          | 4729716.48 | 0:00  | 0   | 0:00  | 0   |
| 1169                 | Year-Round Residence | Non-Participating    | Venice | 372319.27                          | 4729171.25 | 0:00  | 0   | 0:00  | 0   |
| 1170                 | Year-Round Residence | Non-Participating    | Venice | 372411.85                          | 4729072.80 | 0:00  | 0   | 0:00  | 0   |
| 1172                 | Year-Round Residence | Non-Participating    | Venice | 372384.80                          | 4728914.66 | 0:00  | 0   | 0:00  | 0   |
| 1173                 | Year-Round Residence | Non-Participating    | Venice | 372375.10                          | 4728866.30 | 0:00  | 0   | 0:00  | 0   |
| 1174                 | Year-Round Residence | Non-Participating    | Venice | 372580.64                          | 4728346.41 | 0:00  | 0   | 0:00  | 0   |
| 1176                 | Year-Round Residence | Non-Participating    | Venice | 372835.40                          | 4727842.73 | 0:00  | 0   | 0:00  | 0   |
| 1179                 | Year-Round Residence | Non-Participating    | Venice | 372780.48                          | 4727718.85 | 0:00  | 0   | 0:00  | 0   |
| 1181                 | Year-Round Residence | Non-Participating    | Venice | 373988.03                          | 4727567.69 | 0:00  | 0   | 0:00  | 0   |
| 1182                 | Year-Round Residence | Non-Participating    | Venice | 373846.44                          | 4727600.47 | 0:00  | 0   | 0:00  | 0   |
| 1183                 | Year-Round Residence | Non-Participating    | Venice | 373877.97                          | 4727507.40 | 0:00  | 0   | 0:00  | 0   |
| 1185                 | Year-Round Residence | Non-Participating    | Venice | 372892.74                          | 4730200.61 | 0:00  | 0   | 0:00  | 0   |
| 1188                 | Year-Round Residence | Non-Participating    | Scipio | 369085.70                          | 4738963.06 | 0:00  | 0   | 0:00  | 0   |
| 1189                 | Year-Round Residence | Non-Participating    | Scipio | 369147.02                          | 4738784.19 | 0:00  | 0   | 0:00  | 0   |
| 1190                 | Year-Round Residence | Non-Participating    | Scipio | 369194.56                          | 4738710.07 | 0:00  | 0   | 0:00  | 0   |
| 1191                 | Year-Round Residence | Non-Participating    | Scipio | 369201.58                          | 4738689.02 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1192                 | Year-Round Residence | Non-Participating    | Scipio | 369290.09                          | 4738401.70 | 0:00  | 0   | 0:00  | 0   |
| 1193                 | Year-Round Residence | Non-Participating    | Scipio | 369388.53                          | 4737969.73 | 0:00  | 0   | 0:00  | 0   |
| 1194                 | Year-Round Residence | Non-Participating    | Scipio | 369361.68                          | 4737873.93 | 0:00  | 0   | 0:00  | 0   |
| 1195                 | Year-Round Residence | Non-Participating    | Scipio | 369416.05                          | 4737868.77 | 0:00  | 0   | 0:00  | 0   |
| 1196                 | Year-Round Residence | Non-Participating    | Scipio | 370018.47                          | 4737909.32 | 0:00  | 0   | 0:00  | 0   |
| 1197                 | Year-Round Residence | Non-Participating    | Scipio | 369870.77                          | 4737835.68 | 0:00  | 0   | 0:00  | 0   |
| 1198                 | Year-Round Residence | Non-Participating    | Scipio | 369897.60                          | 4737887.84 | 0:00  | 0   | 0:00  | 0   |
| 1199                 | Year-Round Residence | Non-Participating    | Scipio | 370056.92                          | 4737846.17 | 0:00  | 0   | 0:00  | 0   |
| 1200                 | Year-Round Residence | Non-Participating    | Scipio | 370061.19                          | 4737900.28 | 0:00  | 0   | 0:00  | 0   |
| 1202                 | Year-Round Residence | Non-Participating    | Scipio | 370140.34                          | 4737839.63 | 0:00  | 0   | 0:00  | 0   |
| 1205                 | Year-Round Residence | Non-Participating    | Scipio | 369449.40                          | 4737790.37 | 0:00  | 0   | 0:00  | 0   |
| 1206                 | Year-Round Residence | Non-Participating    | Scipio | 369577.30                          | 4737144.02 | 0:00  | 0   | 0:00  | 0   |
| 1207                 | Year-Round Residence | Non-Participating    | Scipio | 369512.07                          | 4737207.79 | 0:00  | 0   | 0:00  | 0   |
| 1209                 | Year-Round Residence | Non-Participating    | Scipio | 369538.47                          | 4737068.15 | 0:00  | 0   | 0:00  | 0   |
| 1213                 | Year-Round Residence | Non-Participating    | Scipio | 369541.06                          | 4736695.86 | 0:00  | 0   | 0:00  | 0   |
| 1215                 | Year-Round Residence | Non-Participating    | Scipio | 369515.39                          | 4735798.02 | 0:00  | 0   | 0:00  | 0   |
| 1216                 | Year-Round Residence | Non-Participating    | Scipio | 369605.83                          | 4735790.39 | 0:00  | 0   | 0:00  | 0   |
| 1220                 | Year-Round Residence | Non-Participating    | Scipio | 370111.60                          | 4735941.57 | 0:00  | 0   | 0:00  | 0   |
| 1221                 | Year-Round Residence | Non-Participating    | Scipio | 370072.30                          | 4735808.85 | 0:00  | 0   | 0:00  | 0   |
| 1222                 | Year-Round Residence | Non-Participating    | Scipio | 370207.37                          | 4735830.85 | 0:00  | 0   | 0:00  | 0   |
| 1223                 | Year-Round Residence | Non-Participating    | Scipio | 370320.12                          | 4735811.98 | 0:00  | 0   | 0:00  | 0   |
| 1224                 | Year-Round Residence | Non-Participating    | Scipio | 370372.61                          | 4735834.63 | 0:00  | 0   | 0:00  | 0   |
| 1225                 | Year-Round Residence | Non-Participating    | Scipio | 370481.01                          | 4735870.90 | 0:00  | 0   | 0:00  | 0   |
| 1226                 | Year-Round Residence | Non-Participating    | Scipio | 370615.10                          | 4735822.96 | 0:00  | 0   | 0:00  | 0   |
| 1227                 | Year-Round Residence | Non-Participating    | Scipio | 370524.14                          | 4735822.94 | 0:00  | 0   | 0:00  | 0   |
| 1228                 | Year-Round Residence | Non-Participating    | Scipio | 370562.34                          | 4735746.58 | 0:00  | 0   | 0:00  | 0   |
| 1229                 | Year-Round Residence | Non-Participating    | Scipio | 370476.78                          | 4735850.84 | 0:00  | 0   | 0:00  | 0   |
| 1230                 | Year-Round Residence | Non-Participating    | Scipio | 369194.35                          | 4735646.67 | 0:00  | 0   | 0:00  | 0   |
| 1231                 | Year-Round Residence | Non-Participating    | Scipio | 368616.98                          | 4735594.86 | 0:00  | 0   | 0:00  | 0   |
| 1232                 | Year-Round Residence | Non-Participating    | Scipio | 369540.78                          | 4735285.06 | 0:00  | 0   | 0:00  | 0   |
| 1233                 | Year-Round Residence | Non-Participating    | Scipio | 369619.47                          | 4735310.17 | 0:00  | 0   | 0:00  | 0   |
| 1234                 | Year-Round Residence | Non-Participating    | Scipio | 369627.39                          | 4735256.20 | 0:00  | 0   | 0:00  | 0   |
| 1235                 | Year-Round Residence | Non-Participating    | Scipio | 369562.65                          | 4735161.54 | 0:00  | 0   | 0:00  | 0   |
| 1237                 | Year-Round Residence | Non-Participating    | Venice | 369329.74                          | 4734679.28 | 0:00  | 0   | 0:00  | 0   |
| 1238                 | Year-Round Residence | Non-Participating    | Venice | 369261.99                          | 4734679.19 | 0:00  | 0   | 0:00  | 0   |
| 1239                 | Year-Round Residence | Non-Participating    | Scipio | 369176.77                          | 4734764.54 | 0:00  | 0   | 0:00  | 0   |
| 1241                 | Year-Round Residence | Non-Participating    | Venice | 369680.97                          | 4734672.69 | 0:00  | 0   | 0:00  | 0   |
| 1244                 | Year-Round Residence | Non-Participating    | Venice | 369955.51                          | 4734697.47 | 0:00  | 0   | 0:00  | 0   |
| 1245                 | Year-Round Residence | Non-Participating    | Venice | 370024.77                          | 4734695.73 | 0:00  | 0   | 0:00  | 0   |
| 1246                 | Year-Round Residence | Non-Participating    | Venice | 369689.97                          | 4733097.85 | 0:00  | 0   | 0:00  | 0   |
| 1251                 | Year-Round Residence | Non-Participating    | Venice | 370185.96                          | 4733133.42 | 0:00  | 0   | 0:00  | 0   |
| 1252                 | Year-Round Residence | Non-Participating    | Venice | 370211.86                          | 4733139.87 | 0:00  | 0   | 0:00  | 0   |
| 1256                 | Year-Round Residence | Non-Participating    | Venice | 370704.31                          | 4733121.91 | 0:00  | 0   | 0:00  | 0   |
| 1258                 | Year-Round Residence | Non-Participating    | Venice | 370436.72                          | 4730647.22 | 0:00  | 0   | 0:00  | 0   |
| 1259                 | Year-Round Residence | Non-Participating    | Venice | 370360.49                          | 4730618.02 | 0:00  | 0   | 0:00  | 0   |
| 1260                 | Year-Round Residence | Non-Participating    | Venice | 370191.83                          | 4729899.20 | 0:00  | 0   | 0:00  | 0   |
| 1261                 | Year-Round Residence | Non-Participating    | Venice | 370318.89                          | 4729913.51 | 0:00  | 0   | 0:00  | 0   |
| 1263                 | Year-Round Residence | Non-Participating    | Venice | 370439.71                          | 4729850.72 | 0:00  | 0   | 0:00  | 0   |
| 1264                 | Year-Round Residence | Non-Participating    | Venice | 370755.62                          | 4729928.49 | 0:00  | 0   | 0:00  | 0   |

Table B-1.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type               | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1265  | Year-Round Residence        | Non-Participating        | Venice        | 371028.92                          | 4729857.94        | 0:00  | 0   | 0:00  | 0   |
| 1266  | Year-Round Residence        | Non-Participating        | Venice        | 371372.61                          | 4729984.93        | 0:00  | 0   | 0:00  | 0   |
| 1267  | Year-Round Residence        | Non-Participating        | Venice        | 371877.86                          | 4729899.42        | 0:00  | 0   | 0:00  | 0   |
| 1268  | Year-Round Residence        | Non-Participating        | Venice        | 371437.77                          | 4728155.22        | 0:00  | 0   | 0:00  | 0   |
| 1269  | Year-Round Residence        | Non-Participating        | Venice        | 371374.62                          | 4728198.61        | 0:00  | 0   | 0:00  | 0   |
| 1272  | Year-Round Residence        | Non-Participating        | Venice        | 371716.71                          | 4728190.43        | 0:00  | 0   | 0:00  | 0   |
| 1273  | Year-Round Residence        | Non-Participating        | Venice        | 371955.34                          | 4727968.40        | 0:00  | 0   | 0:00  | 0   |
| 1274  | Year-Round Residence        | Non-Participating        | Venice        | 372687.17                          | 4727898.00        | 0:00  | 0   | 0:00  | 0   |
| 1277  | Year-Round Residence        | Non-Participating        | Scipio        | 369164.96                          | 4737764.67        | 0:00  | 0   | 0:00  | 0   |
| 1278  | Year-Round Residence        | Non-Participating        | Scipio        | 369025.74                          | 4737884.46        | 0:00  | 0   | 0:00  | 0   |
| 1279  | Year-Round Residence        | Non-Participating        | Scipio        | 368880.82                          | 4737805.28        | 0:00  | 0   | 0:00  | 0   |
| 1280  | Year-Round Residence        | Non-Participating        | Scipio        | 368738.72                          | 4737827.60        | 0:00  | 0   | 0:00  | 0   |
| 1282  | Year-Round Residence        | Non-Participating        | Scipio        | 368761.86                          | 4737884.60        | 0:00  | 0   | 0:00  | 0   |
| 1285  | Year-Round Residence        | Non-Participating        | Scipio        | 368620.63                          | 4737869.95        | 0:00  | 0   | 0:00  | 0   |
| 1286  | Year-Round Residence        | Non-Participating        | Moravia       | 380154.73                          | 4732486.54        | 0:00  | 0   | 0:00  | 0   |
| 1291  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.68                          | 4734999.45        | 0:00  | 0   | 0:00  | 0   |
| 1293  | Year-Round Residence        | Non-Participating        | Venice        | 374464.99                          | 4727707.51        | 0:00  | 0   | 0:00  | 0   |
| 1294  | Year-Round Residence        | Non-Participating        | Venice        | 373691.57                          | 4730045.59        | 0:00  | 0   | 0:00  | 0   |
| 1295  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.97                          | 4731539.77        | 0:00  | 0   | 0:00  | 0   |
| 1296  | Year-Round Residence        | Non-Participating        | Venice        | 375629.01                          | 4731140.04        | 0:00  | 0   | 0:00  | 0   |
| 1297  | Year-Round Residence        | Non-Participating        | Venice        | 379246.62                          | 4732319.99        | 0:00  | 0   | 0:00  | 0   |
| 1298  | Year-Round Residence        | Non-Participating        | Venice        | 378386.72                          | 4732826.33        | 0:00  | 0   | 0:00  | 0   |
| 1300  | Year-Round Residence        | Non-Participating        | Scipio        | 377751.67                          | 4736256.75        | 0:00  | 0   | 0:00  | 0   |
| 1301  | Seasonal Residence          | Non-Participating        | Scipio        | 377097.07                          | 4738891.37        | 0:00  | 0   | 0:00  | 0   |
| 1302  | Year-Round Residence        | Non-Participating        | Scipio        | 376618.19                          | 4738159.86        | 0:00  | 0   | 0:00  | 0   |
| 1303  | Seasonal Residence          | Non-Participating        | Venice        | 379532.17                          | 4734569.54        | 0:00  | 0   | 0:00  | 0   |
| 1304  | Year-Round Residence        | Non-Participating        | Scipio        | 376201.96                          | 4738976.16        | 0:00  | 0   | 0:00  | 0   |
| 1309  | Seasonal Residence          | Non-Participating        | Scipio        | 377090.59                          | 4738950.65        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors |                             |                          |               |                                    |                   |   |   |   |   |
| <b>482</b>  | <b>Year-Round Residence</b> | <b>Non-Participating</b> | <b>Scipio</b> | <b>374925.84</b>                   | <b>4737438.08</b> | <b>297:33</b>   | <b>120</b>  | <b>62:56</b>  | <b>3776</b>   |
| <b>1309</b>   | <b>Seasonal Residence</b>   | <b>Non-Participating</b> | <b>Scipio</b> | <b>377090.59</b>                   | <b>4738950.65</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.c: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type               | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 573   | Year-Round Residence        | Participating        | Venice        | 376554.14                          | 4734617.85        | 40:22   | 39  | 8:58  | 538   |
| 587   | Year-Round Residence        | Participating        | Venice        | 377530.26                          | 4732272.42        | 25:27   | 34  | 5:15  | 315   |
| 611   | Year-Round Residence        | Participating        | Venice        | 377076.93                          | 4732083.28        | 98:29   | 73  | 22:44   | 1364  |
| 614   | Year-Round Residence        | Participating        | Venice        | 377561.91                          | 4731727.75        | 19:57   | 34  | 5:49  | 349   |
| 836   | Year-Round Residence        | Participating        | Venice        | 375469.03                          | 4732307.89        | 291:37  | 117   | 65:46   | 3946  |
| 840   | Year-Round Residence        | Participating        | Venice        | 375556.49                          | 4731495.05        | 64:17   | 61  | 18:57   | 1137  |
| 848   | Year-Round Residence        | Participating        | Venice        | 375695.97                          | 4731314.43        | 0:00  | 0   | 0:00  | 0   |
| 849   | Year-Round Residence        | Participating        | Venice        | 375691.69                          | 4731324.84        | 0:00  | 0   | 0:00  | 0   |
| 850   | Year-Round Residence        | Participating        | Venice        | 375689.49                          | 4731335.90        | 0:00  | 0   | 0:00  | 0   |
| 878   | Year-Round Residence        | Participating        | Venice        | 372626.25                          | 4734000.27        | 128:00  | 93  | 33:02   | 1982  |
| 937   | Year-Round Residence        | Participating        | Venice        | 374504.60                          | 4731630.17        | 35:37   | 34  | 5:55  | 355   |
| 1290  | Year-Round Residence        | Participating        | Scipio        | 376547.61                          | 4735435.51        | 101:57  | 46  | 26:14   | 1574  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Residential Receptors |                             |                      |               |                                    |                   |   |   |   |   |
| <b>836</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375469.03</b>                   | <b>4732307.89</b> | <b>291:37</b>   | <b>117</b>  | <b>65:46</b>  | <b>3946</b>   |
| <b>850</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375689.49</b>                   | <b>4731335.90</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.d: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type               | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 836   | Year-Round Residence        | Participating        | Venice        | 375469.03                          | 4732307.89        | 291:37  | 117   | 65:46   | 3946  |
| 878   | Year-Round Residence        | Participating        | Venice        | 372626.25                          | 4734000.27        | 128:00  | 93  | 33:02   | 1982  |
| 1290  | Year-Round Residence        | Participating        | Scipio        | 376547.61                          | 4735435.51        | 101:57  | 46  | 26:14   | 1574  |
| 611   | Year-Round Residence        | Participating        | Venice        | 377076.93                          | 4732083.28        | 98:29   | 73  | 22:44   | 1364  |
| 840   | Year-Round Residence        | Participating        | Venice        | 375556.49                          | 4731495.05        | 64:17   | 61  | 18:57   | 1137  |
| 573   | Year-Round Residence        | Participating        | Venice        | 376554.14                          | 4734617.85        | 40:22   | 39  | 8:58  | 538   |
| 937   | Year-Round Residence        | Participating        | Venice        | 374504.60                          | 4731630.17        | 35:37   | 34  | 5:55  | 355   |
| 614   | Year-Round Residence        | Participating        | Venice        | 377561.91                          | 4731727.75        | 19:57   | 34  | 5:49  | 349   |
| 587   | Year-Round Residence        | Participating        | Venice        | 377530.26                          | 4732272.42        | 25:27   | 34  | 5:15  | 315   |
| 848   | Year-Round Residence        | Participating        | Venice        | 375695.97                          | 4731314.43        | 0:00  | 0   | 0:00  | 0   |
| 849   | Year-Round Residence        | Participating        | Venice        | 375691.69                          | 4731324.84        | 0:00  | 0   | 0:00  | 0   |
| 850   | Year-Round Residence        | Participating        | Venice        | 375689.49                          | 4731335.90        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Residential Receptors |                             |                      |               |                                    |                   |   |   |   |   |
| <b>836</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375469.03</b>                   | <b>4732307.89</b> | <b>291:37</b>   | <b>117</b>  | <b>65:46</b>  | <b>3946</b>   |
| <b>850</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375689.49</b>                   | <b>4731335.90</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.e: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Public and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type            | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|--------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|--|
|  |                          |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |  |
| 581  | Institutional Structures | Non-Participating        | Venice        | 376534.33                          | 4733071.41        | 27:27   | 29  | 7:12  | 432  |
| 685  | Public Structures        | Non-Participating        | Scipio        | 372548.47                          | 4740173.72        | 0:00  | 0   | 0:00  | 0  |
| 693  | Institutional Structures | Non-Participating        | Scipio        | 372405.61                          | 4739499.59        | 0:00  | 0   | 0:00  | 0  |
| 694  | Institutional Structures | Non-Participating        | Scipio        | 372405.83                          | 4739437.59        | 0:00  | 0   | 0:00  | 0  |
| 695  | Institutional Structures | Non-Participating        | Scipio        | 372353.34                          | 4739503.67        | 0:00  | 0   | 0:00  | 0  |
| 705  | Public Structures        | Non-Participating        | Scipio        | 372398.06                          | 4739017.71        | 0:00  | 0   | 0:00  | 0  |
| 710  | Institutional Structures | Non-Participating        | Scipio        | 372521.29                          | 4738629.65        | 0:00  | 0   | 0:00  | 0  |
| 717  | Public Structures        | Non-Participating        | Scipio        | 372526.58                          | 4738101.60        | 0:00  | 0   | 0:00  | 0  |
| 718  | Public Structures        | Non-Participating        | Scipio        | 372526.05                          | 4738046.93        | 0:00  | 0   | 0:00  | 0  |
| 738  | Public Structures        | Non-Participating        | Scipio        | 372814.77                          | 4737928.65        | 0:00  | 0   | 0:00  | 0  |
| 740  | Public Structures        | Non-Participating        | Scipio        | 372817.41                          | 4737895.74        | 0:00  | 0   | 0:00  | 0  |
| 746  | Public Structures        | Non-Participating        | Scipio        | 373235.39                          | 4738049.92        | 9:58  | 25  | 2:19  | 139  |
| 761  | Institutional Structures | Non-Participating        | Scipio        | 374504.63                          | 4738163.39        | 0:00  | 0   | 0:00  | 0  |
| 772  | Institutional Structures | Non-Participating        | Scipio        | 372540.55                          | 4737585.52        | 18:30   | 31  | 3:11  | 191  |
| 778  | Public Structures        | Non-Participating        | Scipio        | 372423.40                          | 4737383.34        | 37:51   | 37  | 7:11  | 431  |
| 828  | Institutional Structures | Non-Participating        | Venice        | 375299.66                          | 4732741.02        | 59:02   | 42  | 10:55   | 655  |
| 834  | Public Structures        | Non-Participating        | Venice        | 375400.61                          | 4732663.24        | 82:38   | 52  | 16:46   | 1006   |
| 896  | Institutional Structures | Non-Participating        | Venice        | 372605.36                          | 4732868.00        | 0:00  | 0   | 0:00  | 0  |
| 905  | Institutional Structures | Non-Participating        | Venice        | 373505.79                          | 4732491.39        | 25:25   | 37  | 5:53  | 353  |
| 915  | Public Structures        | Non-Participating        | Venice        | 372811.51                          | 4732365.86        | 0:00  | 0   | 0:00  | 0  |
| 1091   | Public Structures        | Non-Participating        | Scipio        | 370820.27                          | 4734951.45        | 0:00  | 0   | 0:00  | 0  |
| 1130   | Institutional Structures | Non-Participating        | Venice        | 372572.69                          | 4732863.70        | 0:00  | 0   | 0:00  | 0  |
| 1131   | Institutional Structures | Non-Participating        | Venice        | 372555.65                          | 4732811.07        | 0:00  | 0   | 0:00  | 0  |
| 1132   | Institutional Structures | Non-Participating        | Venice        | 372542.28                          | 4732878.63        | 0:00  | 0   | 0:00  | 0  |
| 1134   | Public Structures        | Non-Participating        | Venice        | 370888.59                          | 4732992.25        | 0:00  | 0   | 0:00  | 0  |
| 1135   | Public Structures        | Non-Participating        | Venice        | 370839.06                          | 4732860.76        | 0:00  | 0   | 0:00  | 0  |
| 1171   | Public Structures        | Non-Participating        | Venice        | 372512.31                          | 4729109.53        | 0:00  | 0   | 0:00  | 0  |
| 1180   | Public Structures        | Non-Participating        | Venice        | 372850.89                          | 4727512.93        | 0:00  | 0   | 0:00  | 0  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Public Receptors |                          |                          |               |                                    |                   |   |   |   |  |
| <b>834</b>   | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>375400.61</b>                   | <b>4732663.24</b> | <b>82:38</b>  | <b>52</b>   | <b>16:46</b>  | <b>1006</b>  |
| <b>1180</b>  | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372850.89</b>                   | <b>4727512.93</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>   |

Table B-1.f: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Public and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type            | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                          |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 834  | Public Structures        | Non-Participating        | Venice        | 375400.61                          | 4732663.24        | 82:38   | 52  | 16:46   | 1006  |
| 828  | Institutional Structures | Non-Participating        | Venice        | 375299.66                          | 4732741.02        | 59:02   | 42  | 10:55   | 655   |
| 581  | Institutional Structures | Non-Participating        | Venice        | 376534.33                          | 4733071.41        | 27:27   | 29  | 7:12  | 432   |
| 778  | Public Structures        | Non-Participating        | Scipio        | 372423.40                          | 4737383.34        | 37:51   | 37  | 7:11  | 431   |
| 905  | Institutional Structures | Non-Participating        | Venice        | 373505.79                          | 4732491.39        | 25:25   | 37  | 5:53  | 353   |
| 772  | Institutional Structures | Non-Participating        | Scipio        | 372540.55                          | 4737585.52        | 18:30   | 31  | 3:11  | 191   |
| 746  | Public Structures        | Non-Participating        | Scipio        | 373235.39                          | 4738049.92        | 9:58  | 25  | 2:19  | 139   |
| 685  | Public Structures        | Non-Participating        | Scipio        | 372548.47                          | 4740173.72        | 0:00  | 0   | 0:00  | 0   |
| 693  | Institutional Structures | Non-Participating        | Scipio        | 372405.61                          | 4739499.59        | 0:00  | 0   | 0:00  | 0   |
| 694  | Institutional Structures | Non-Participating        | Scipio        | 372405.83                          | 4739437.59        | 0:00  | 0   | 0:00  | 0   |
| 695  | Institutional Structures | Non-Participating        | Scipio        | 372353.34                          | 4739503.67        | 0:00  | 0   | 0:00  | 0   |
| 705  | Public Structures        | Non-Participating        | Scipio        | 372398.06                          | 4739017.71        | 0:00  | 0   | 0:00  | 0   |
| 710  | Institutional Structures | Non-Participating        | Scipio        | 372521.29                          | 4738629.65        | 0:00  | 0   | 0:00  | 0   |
| 717  | Public Structures        | Non-Participating        | Scipio        | 372526.58                          | 4738101.60        | 0:00  | 0   | 0:00  | 0   |
| 718  | Public Structures        | Non-Participating        | Scipio        | 372526.05                          | 4738046.93        | 0:00  | 0   | 0:00  | 0   |
| 738  | Public Structures        | Non-Participating        | Scipio        | 372814.77                          | 4737928.65        | 0:00  | 0   | 0:00  | 0   |
| 740  | Public Structures        | Non-Participating        | Scipio        | 372817.41                          | 4737895.74        | 0:00  | 0   | 0:00  | 0   |
| 761  | Institutional Structures | Non-Participating        | Scipio        | 374504.63                          | 4738163.39        | 0:00  | 0   | 0:00  | 0   |
| 896  | Institutional Structures | Non-Participating        | Venice        | 372605.36                          | 4732868.00        | 0:00  | 0   | 0:00  | 0   |
| 915  | Public Structures        | Non-Participating        | Venice        | 372811.51                          | 4732365.86        | 0:00  | 0   | 0:00  | 0   |
| 1091   | Public Structures        | Non-Participating        | Scipio        | 370820.27                          | 4734951.45        | 0:00  | 0   | 0:00  | 0   |
| 1130   | Institutional Structures | Non-Participating        | Venice        | 372572.69                          | 4732863.70        | 0:00  | 0   | 0:00  | 0   |
| 1131   | Institutional Structures | Non-Participating        | Venice        | 372555.65                          | 4732811.07        | 0:00  | 0   | 0:00  | 0   |
| 1132   | Institutional Structures | Non-Participating        | Venice        | 372542.28                          | 4732878.63        | 0:00  | 0   | 0:00  | 0   |
| 1134   | Public Structures        | Non-Participating        | Venice        | 370888.59                          | 4732992.25        | 0:00  | 0   | 0:00  | 0   |
| 1135   | Public Structures        | Non-Participating        | Venice        | 370839.06                          | 4732860.76        | 0:00  | 0   | 0:00  | 0   |
| 1171   | Public Structures        | Non-Participating        | Venice        | 372512.31                          | 4729109.53        | 0:00  | 0   | 0:00  | 0   |
| 1180   | Public Structures        | Non-Participating        | Venice        | 372850.89                          | 4727512.93        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Public Receptors |                          |                          |               |                                    |                   |   |   |   |   |
| <b>834</b>   | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>375400.61</b>                   | <b>4732663.24</b> | <b>82:38</b>  | <b>52</b>   | <b>16:46</b>  | <b>1006</b>   |
| <b>1180</b>  | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372850.89</b>                   | <b>4727512.93</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.g: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Public and Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type            | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                          |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 41:15   | 35  | 7:29  | 449   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 45:34   | 37  | 8:15  | 495   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Public Receptors |                          |                      |        |                                    |            |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 45:34   | 37  | 8:15  | 495   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 41:15   | 35  | 7:29  | 449   |

Table B-1.h: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Public and Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type            | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                          |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 45:34   | 37  | 8:15  | 495   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 41:15   | 35  | 7:29  | 449   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Public Receptors |                          |                      |        |                                    |            |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 45:34   | 37  | 8:15  | 495   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 41:15   | 35  | 7:29  | 449   |

Table B-1.i: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Commercial and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type                | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|------------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|--|
|  |                              |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |  |
| 517  | Commercial Structures        | Non-Participating        | Venice        | 378154.80                          | 4734134.77        | 50:25   | 52  | 7:00  | 420  |
| 518  | Commercial Structures        | Non-Participating        | Venice        | 378107.34                          | 4734176.53        | 23:45   | 40  | 3:11  | 191  |
| 519  | Commercial Structures        | Non-Participating        | Venice        | 378266.45                          | 4734186.60        | 46:40   | 46  | 6:24  | 384  |
| 523  | Commercial Structures        | Non-Participating        | Venice        | 378495.77                          | 4734042.87        | 29:22   | 39  | 4:50  | 290  |
| 579  | Commercial Structures        | Non-Participating        | Venice        | 376680.06                          | 4733513.07        | 42:57   | 36  | 12:20   | 740  |
| 580  | Commercial Structures        | Non-Participating        | Venice        | 376644.77                          | 4733543.57        | 42:22   | 36  | 12:09   | 729  |
| 599  | Commercial Structures        | Non-Participating        | Venice        | 378212.86                          | 4732715.52        | 0:00  | 0   | 0:00  | 0  |
| 600  | Commercial Structures        | Non-Participating        | Venice        | 378442.03                          | 4732782.32        | 0:00  | 0   | 0:00  | 0  |
| 603  | Commercial Structures        | Non-Participating        | Venice        | 378532.89                          | 4732634.60        | 0:00  | 0   | 0:00  | 0  |
| 633  | Commercial Structures        | Non-Participating        | Venice        | 377081.08                          | 4731565.57        | 12:41   | 27  | 3:42  | 222  |
| 640  | Commercial Structures        | Non-Participating        | Venice        | 377204.91                          | 4730532.89        | 0:00  | 0   | 0:00  | 0  |
| 641  | Commercial Structures        | Non-Participating        | Venice        | 377288.72                          | 4730537.96        | 0:00  | 0   | 0:00  | 0  |
| 642  | Commercial Structures        | Non-Participating        | Venice        | 377309.21                          | 4730583.77        | 0:00  | 0   | 0:00  | 0  |
| 643  | Commercial Structures        | Non-Participating        | Venice        | 377273.80                          | 4730635.24        | 0:00  | 0   | 0:00  | 0  |
| 644  | Commercial Structures        | Non-Participating        | Venice        | 377211.24                          | 4730593.40        | 0:00  | 0   | 0:00  | 0  |
| 813  | Commercial Structures        | Non-Participating        | Venice        | 375309.62                          | 4733147.84        | 35:53   | 37  | 6:24  | 384  |
| 814  | Commercial Structures        | Non-Participating        | Venice        | 375338.29                          | 4733152.07        | 33:02   | 37  | 5:52  | 352  |
| 815  | Commercial Structures        | Non-Participating        | Venice        | 375315.35                          | 4733105.85        | 43:07   | 38  | 7:45  | 465  |
| 823  | Commercial Structures        | Non-Participating        | Venice        | 375183.43                          | 4732932.26        | 24:43   | 35  | 5:22  | 322  |
| 832  | Commercial Structures        | Non-Participating        | Venice        | 375402.48                          | 4732804.78        | 86:37   | 51  | 16:23   | 983  |
| 851  | Commercial Structures        | Non-Participating        | Venice        | 375606.86                          | 4731109.13        | 0:00  | 0   | 0:00  | 0  |
| 852  | Commercial Structures        | Non-Participating        | Venice        | 375642.23                          | 4730970.70        | 0:00  | 0   | 0:00  | 0  |
| 856  | Commercial Structures        | Non-Participating        | Venice        | 376197.45                          | 4730057.57        | 0:00  | 0   | 0:00  | 0  |
| 857  | Commercial Structures        | Non-Participating        | Venice        | 376203.31                          | 4730089.31        | 0:00  | 0   | 0:00  | 0  |
| 858  | Commercial Structures        | Non-Participating        | Venice        | 376160.30                          | 4730096.39        | 0:00  | 0   | 0:00  | 0  |
| 881  | Commercial Structures        | Non-Participating        | Venice        | 372672.21                          | 4733547.73        | 22:34   | 34  | 5:44  | 344  |
| 882  | Commercial Structures        | Non-Participating        | Venice        | 372639.42                          | 4733527.40        | 21:29   | 33  | 5:25  | 325  |
| 884  | Commercial Structures        | Non-Participating        | Venice        | 372515.97                          | 4733433.08        | 18:43   | 29  | 4:41  | 281  |
| 889  | Commercial Structures        | Non-Participating        | Venice        | 372692.98                          | 4733198.17        | 12:28   | 24  | 3:14  | 194  |
| 913  | Commercial Structures        | Non-Participating        | Venice        | 374913.33                          | 4732955.87        | 18:48   | 28  | 4:52  | 292  |
| 914  | Commercial Structures        | Non-Participating        | Venice        | 374933.89                          | 4732931.24        | 17:39   | 29  | 4:27  | 267  |
| 947  | Commercial Structures        | Non-Participating        | Venice        | 373323.73                          | 4730652.01        | 0:00  | 0   | 0:00  | 0  |
| 948  | Commercial Structures        | Non-Participating        | Venice        | 373316.14                          | 4730631.48        | 0:00  | 0   | 0:00  | 0  |
| 952  | Commercial Structures        | Non-Participating        | Venice        | 373403.36                          | 4730302.64        | 0:00  | 0   | 0:00  | 0  |
| 953  | Commercial Structures        | Non-Participating        | Venice        | 373414.31                          | 4730281.22        | 0:00  | 0   | 0:00  | 0  |
| 954  | Commercial Structures        | Non-Participating        | Venice        | 373428.88                          | 4730261.23        | 0:00  | 0   | 0:00  | 0  |
| 955  | Commercial Structures        | Non-Participating        | Venice        | 373437.69                          | 4730237.46        | 0:00  | 0   | 0:00  | 0  |
| 956  | Commercial Structures        | Non-Participating        | Venice        | 373380.13                          | 4730322.49        | 0:00  | 0   | 0:00  | 0  |
| 964  | Commercial Structures        | Non-Participating        | Venice        | 374022.73                          | 4729318.02        | 0:00  | 0   | 0:00  | 0  |
| 965  | Commercial Structures        | Non-Participating        | Venice        | 373896.31                          | 4729046.06        | 0:00  | 0   | 0:00  | 0  |
| 1313   | Commercial Structures        | Non-Participating        | Venice        | 376712.20                          | 4734176.63        | 43:44   | 34  | 8:58  | 538  |
| 1314   | Commercial Structures        | Non-Participating        | Venice        | 378173.45                          | 4734111.28        | 61:42   | 53  | 8:36  | 516  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Commercial Receptors |                              |                          |               |                                    |                   |   |   |   |  |
| <b>832</b>   | <b>Commercial Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>375402.48</b>                   | <b>4732804.78</b> | <b>86:37</b>  | <b>51</b>   | <b>16:23</b>  | <b>983</b>   |
| <b>965</b>   | <b>Commercial Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>373896.31</b>                   | <b>4729046.06</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>   |

Table B-1.j: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Commercial and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type         | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|-----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                       |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 86:37   | 51  | 16:23   | 983   |
| 579  | Commercial Structures | Non-Participating    | Venice | 376680.06                          | 4733513.07 | 42:57   | 36  | 12:20   | 740   |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 42:22   | 36  | 12:09   | 729   |
| 1313   | Commercial Structures | Non-Participating    | Venice | 376712.20                          | 4734176.63 | 43:44   | 34  | 8:58  | 538   |
| 1314   | Commercial Structures | Non-Participating    | Venice | 378173.45                          | 4734111.28 | 61:42   | 53  | 8:36  | 516   |
| 815  | Commercial Structures | Non-Participating    | Venice | 375315.35                          | 4733105.85 | 43:07   | 38  | 7:45  | 465   |
| 517  | Commercial Structures | Non-Participating    | Venice | 378154.80                          | 4734134.77 | 50:25   | 52  | 7:00  | 420   |
| 519  | Commercial Structures | Non-Participating    | Venice | 378266.45                          | 4734186.60 | 46:40   | 46  | 6:24  | 384   |
| 813  | Commercial Structures | Non-Participating    | Venice | 375309.62                          | 4733147.84 | 35:53   | 37  | 6:24  | 384   |
| 814  | Commercial Structures | Non-Participating    | Venice | 375338.29                          | 4733152.07 | 33:02   | 37  | 5:52  | 352   |
| 881  | Commercial Structures | Non-Participating    | Venice | 372672.21                          | 4733547.73 | 22:34   | 34  | 5:44  | 344   |
| 882  | Commercial Structures | Non-Participating    | Venice | 372639.42                          | 4733527.40 | 21:29   | 33  | 5:25  | 325   |
| 823  | Commercial Structures | Non-Participating    | Venice | 375183.43                          | 4732932.26 | 24:43   | 35  | 5:22  | 322   |
| 913  | Commercial Structures | Non-Participating    | Venice | 374913.33                          | 4732955.87 | 18:48   | 28  | 4:52  | 292   |
| 523  | Commercial Structures | Non-Participating    | Venice | 378495.77                          | 4734042.87 | 29:22   | 39  | 4:50  | 290   |
| 884  | Commercial Structures | Non-Participating    | Venice | 372515.97                          | 4733433.08 | 18:43   | 29  | 4:41  | 281   |
| 914  | Commercial Structures | Non-Participating    | Venice | 374933.89                          | 4732931.24 | 17:39   | 29  | 4:27  | 267   |
| 633  | Commercial Structures | Non-Participating    | Venice | 377081.08                          | 4731565.57 | 12:41   | 27  | 3:42  | 222   |
| 889  | Commercial Structures | Non-Participating    | Venice | 372692.98                          | 4733198.17 | 12:28   | 24  | 3:14  | 194   |
| 518  | Commercial Structures | Non-Participating    | Venice | 378107.34                          | 4734176.53 | 23:45   | 40  | 3:11  | 191   |
| 599  | Commercial Structures | Non-Participating    | Venice | 378212.86                          | 4732715.52 | 0:00  | 0   | 0:00  | 0   |
| 600  | Commercial Structures | Non-Participating    | Venice | 378442.03                          | 4732782.32 | 0:00  | 0   | 0:00  | 0   |
| 603  | Commercial Structures | Non-Participating    | Venice | 378532.89                          | 4732634.60 | 0:00  | 0   | 0:00  | 0   |
| 640  | Commercial Structures | Non-Participating    | Venice | 377204.91                          | 4730532.89 | 0:00  | 0   | 0:00  | 0   |
| 641  | Commercial Structures | Non-Participating    | Venice | 377288.72                          | 4730537.96 | 0:00  | 0   | 0:00  | 0   |
| 642  | Commercial Structures | Non-Participating    | Venice | 377309.21                          | 4730583.77 | 0:00  | 0   | 0:00  | 0   |
| 643  | Commercial Structures | Non-Participating    | Venice | 377273.80                          | 4730635.24 | 0:00  | 0   | 0:00  | 0   |
| 644  | Commercial Structures | Non-Participating    | Venice | 377211.24                          | 4730593.40 | 0:00  | 0   | 0:00  | 0   |
| 851  | Commercial Structures | Non-Participating    | Venice | 375606.86                          | 4731109.13 | 0:00  | 0   | 0:00  | 0   |
| 852  | Commercial Structures | Non-Participating    | Venice | 375642.23                          | 4730970.70 | 0:00  | 0   | 0:00  | 0   |
| 856  | Commercial Structures | Non-Participating    | Venice | 376197.45                          | 4730057.57 | 0:00  | 0   | 0:00  | 0   |
| 857  | Commercial Structures | Non-Participating    | Venice | 376203.31                          | 4730089.31 | 0:00  | 0   | 0:00  | 0   |
| 858  | Commercial Structures | Non-Participating    | Venice | 376160.30                          | 4730096.39 | 0:00  | 0   | 0:00  | 0   |
| 947  | Commercial Structures | Non-Participating    | Venice | 373323.73                          | 4730652.01 | 0:00  | 0   | 0:00  | 0   |
| 948  | Commercial Structures | Non-Participating    | Venice | 373316.14                          | 4730631.48 | 0:00  | 0   | 0:00  | 0   |
| 952  | Commercial Structures | Non-Participating    | Venice | 373403.36                          | 4730302.64 | 0:00  | 0   | 0:00  | 0   |
| 953  | Commercial Structures | Non-Participating    | Venice | 373414.31                          | 4730281.22 | 0:00  | 0   | 0:00  | 0   |
| 954  | Commercial Structures | Non-Participating    | Venice | 373428.88                          | 4730261.23 | 0:00  | 0   | 0:00  | 0   |
| 955  | Commercial Structures | Non-Participating    | Venice | 373437.69                          | 4730237.46 | 0:00  | 0   | 0:00  | 0   |
| 956  | Commercial Structures | Non-Participating    | Venice | 373380.13                          | 4730322.49 | 0:00  | 0   | 0:00  | 0   |
| 964  | Commercial Structures | Non-Participating    | Venice | 374022.73                          | 4729318.02 | 0:00  | 0   | 0:00  | 0   |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Commercial Receptors |                       |                      |        |                                    |            |   |   |   |   |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 86:37   | 51  | 16:23   | 983   |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0   |

Table B-1.k: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Commercial and Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type                | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                              |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 612  | Commercial Structure         | Participating        | Venice        | 377043.40                          | 4732110.62        | 111:35  | 83  | 24:42   | 1482  |
| 837  | Commercial Structures        | Participating        | Venice        | 375460.17                          | 4732386.58        | 246:07  | 122   | 50:15   | 3015  |
| 838  | Commercial Structures        | Participating        | Venice        | 375496.08                          | 4732391.07        | 228:03  | 114   | 48:18   | 2898  |
| 841  | Commercial Structures        | Participating        | Venice        | 375483.77                          | 4731549.15        | 78:53   | 64  | 22:43   | 1363  |
| 842  | Commercial Structures        | Participating        | Venice        | 375538.69                          | 4731579.34        | 74:57   | 60  | 20:59   | 1259  |
| 843  | Commercial Structures        | Participating        | Venice        | 375491.80                          | 4731460.74        | 53:11   | 57  | 15:30   | 930   |
| 844  | Commercial Structures        | Participating        | Venice        | 375529.33                          | 4731453.04        | 51:21   | 59  | 15:08   | 908   |
| 845  | Commercial Structures        | Participating        | Venice        | 375517.36                          | 4731360.16        | 11:52   | 30  | 3:22  | 202   |
| 846  | Commercial Structures        | Participating        | Venice        | 375522.38                          | 4731312.17        | 0:00  | 0   | 0:00  | 0   |
| 847  | Commercial Structures        | Participating        | Venice        | 375529.51                          | 4731261.99        | 0:00  | 0   | 0:00  | 0   |
| 1312   | Commercial Structures        | Participating        | Venice        | 375492.64                          | 4732334.89        | 273:55  | 114   | 61:16   | 3676  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Commercial Receptors |                              |                      |               |                                    |                   |   |   |   |   |
| <b>1312</b>  | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375492.64</b>                   | <b>4732334.89</b> | <b>273:55</b>   | <b>114</b>  | <b>61:16</b>  | <b>3676</b>   |
| <b>847</b>   | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375529.51</b>                   | <b>4731261.99</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.1: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Commercial and Participating Receptors] - V150-4.5

| Modeling Receptor ID   | Receptor Type                | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                              |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1312   | Commercial Structures        | Participating        | Venice        | 375492.64                          | 4732334.89        | 273:55  | 114   | 61:16   | 3676  |
| 837  | Commercial Structures        | Participating        | Venice        | 375460.17                          | 4732386.58        | 246:07  | 122   | 50:15   | 3015  |
| 838  | Commercial Structures        | Participating        | Venice        | 375496.08                          | 4732391.07        | 228:03  | 114   | 48:18   | 2898  |
| 612  | Commercial Structure         | Participating        | Venice        | 377043.40                          | 4732110.62        | 111:35  | 83  | 24:42   | 1482  |
| 841  | Commercial Structures        | Participating        | Venice        | 375483.77                          | 4731549.15        | 78:53   | 64  | 22:43   | 1363  |
| 842  | Commercial Structures        | Participating        | Venice        | 375538.69                          | 4731579.34        | 74:57   | 60  | 20:59   | 1259  |
| 843  | Commercial Structures        | Participating        | Venice        | 375491.80                          | 4731460.74        | 53:11   | 57  | 15:30   | 930   |
| 844  | Commercial Structures        | Participating        | Venice        | 375529.33                          | 4731453.04        | 51:21   | 59  | 15:08   | 908   |
| 845  | Commercial Structures        | Participating        | Venice        | 375517.36                          | 4731360.16        | 11:52   | 30  | 3:22  | 202   |
| 846  | Commercial Structures        | Participating        | Venice        | 375522.38                          | 4731312.17        | 0:00  | 0   | 0:00  | 0   |
| 847  | Commercial Structures        | Participating        | Venice        | 375529.51                          | 4731261.99        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Commercial Receptors |                              |                      |               |                                    |                   |   |   |   |   |
| <b>1312</b>  | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375492.64</b>                   | <b>4732334.89</b> | <b>273:55</b>   | <b>114</b>  | <b>61:16</b>  | <b>3676</b>   |
| <b>847</b>   | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375529.51</b>                   | <b>4731261.99</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.m: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Other and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type           | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 801   | Other Structures        | Non-Participating        | Venice        | 374771.78                          | 4733967.85        | 61:20   | 45  | 16:28   | 988   |
| 803   | Other Structures        | Non-Participating        | Venice        | 374997.51                          | 4733946.76        | 57:29   | 59  | 15:10   | 910   |
| 804   | Other Structures        | Non-Participating        | Venice        | 374953.36                          | 4733953.86        | 57:19   | 55  | 15:21   | 921   |
| 825   | Other Structures        | Non-Participating        | Venice        | 375497.74                          | 4732961.48        | 82:43   | 68  | 14:25   | 865   |
| 899   | Other Structures        | Non-Participating        | Venice        | 372713.58                          | 4733018.45        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Other Receptors |                         |                          |               |                                    |                   |   |   |   |   |
| <b>801</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>374771.78</b>                   | <b>4733967.85</b> | <b>61:20</b>  | <b>45</b>   | <b>16:28</b>  | <b>988</b>  |
| <b>899</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372713.58</b>                   | <b>4733018.45</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.n: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Other and Non-Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type           | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 801   | Other Structures        | Non-Participating        | Venice        | 374771.78                          | 4733967.85        | 61:20   | 45  | 16:28   | 988   |
| 804   | Other Structures        | Non-Participating        | Venice        | 374953.36                          | 4733953.86        | 57:19   | 55  | 15:21   | 921   |
| 803   | Other Structures        | Non-Participating        | Venice        | 374997.51                          | 4733946.76        | 57:29   | 59  | 15:10   | 910   |
| 825   | Other Structures        | Non-Participating        | Venice        | 375497.74                          | 4732961.48        | 82:43   | 68  | 14:25   | 865   |
| 899   | Other Structures        | Non-Participating        | Venice        | 372713.58                          | 4733018.45        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Other Receptors |                         |                          |               |                                    |                   |   |   |   |   |
| <b>801</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>374771.78</b>                   | <b>4733967.85</b> | <b>61:20</b>  | <b>45</b>   | <b>16:28</b>  | <b>988</b>  |
| <b>899</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372713.58</b>                   | <b>4733018.45</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-1.o: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Other and Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type    | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|   |                  |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 104:30  | 79  | 28:08   | 1688  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 78:14   | 69  | 21:20   | 1280  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Other Receptors |                  |                      |        |                                    |            |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 104:30  | 79  | 28:08   | 1688  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 78:14   | 69  | 21:20   | 1280  |

Table B-1.p: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Other and Participating Receptors] - V150-4.5

| Modeling Receptor ID  | Receptor Type           | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 509   | Other Structures        | Participating        | Venice        | 376816.43                          | 4734837.96        | 104:30  | 79  | 28:08   | 1688  |
| 510   | Other Structures        | Participating        | Venice        | 376813.45                          | 4734815.13        | 78:14   | 69  | 21:20   | 1280  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Other Receptors |                         |                      |               |                                    |                   |   |   |   |   |
| <b>509</b>  | <b>Other Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>376816.43</b>                   | <b>4734837.96</b> | <b>104:30</b>   | <b>79</b>   | <b>28:08</b>  | <b>1688</b>   |
| <b>510</b>  | <b>Other Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>376813.45</b>                   | <b>4734815.13</b> | <b>78:14</b>  | <b>69</b>   | <b>21:20</b>  | <b>1280</b>   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1                    | Year-Round Residence | Non-Participating    | Moravia | 380974.40                          | 4734987.20 | 0:00  | 0   | 0:00  | 0   |
| 2                    | Year-Round Residence | Non-Participating    | Moravia | 380866.90                          | 4735289.63 | 0:00  | 0   | 0:00  | 0   |
| 3                    | Year-Round Residence | Non-Participating    | Moravia | 380726.27                          | 4734798.67 | 0:00  | 0   | 0:00  | 0   |
| 4                    | Year-Round Residence | Non-Participating    | Moravia | 380624.96                          | 4734950.66 | 0:00  | 0   | 0:00  | 0   |
| 6                    | Year-Round Residence | Non-Participating    | Moravia | 380537.85                          | 4734925.23 | 0:00  | 0   | 0:00  | 0   |
| 7                    | Year-Round Residence | Non-Participating    | Moravia | 380547.46                          | 4734933.18 | 0:00  | 0   | 0:00  | 0   |
| 8                    | Year-Round Residence | Non-Participating    | Moravia | 380553.11                          | 4734942.62 | 0:00  | 0   | 0:00  | 0   |
| 9                    | Year-Round Residence | Non-Participating    | Moravia | 380582.31                          | 4734927.07 | 0:00  | 0   | 0:00  | 0   |
| 10                   | Year-Round Residence | Non-Participating    | Moravia | 380567.76                          | 4734956.07 | 0:00  | 0   | 0:00  | 0   |
| 11                   | Year-Round Residence | Non-Participating    | Moravia | 380572.90                          | 4734963.10 | 0:00  | 0   | 0:00  | 0   |
| 12                   | Year-Round Residence | Non-Participating    | Moravia | 380576.24                          | 4734975.92 | 0:00  | 0   | 0:00  | 0   |
| 13                   | Seasonal Residence   | Non-Participating    | Moravia | 380570.92                          | 4734986.10 | 0:00  | 0   | 0:00  | 0   |
| 14                   | Seasonal Residence   | Non-Participating    | Moravia | 380567.08                          | 4734995.75 | 0:00  | 0   | 0:00  | 0   |
| 15                   | Year-Round Residence | Non-Participating    | Moravia | 380593.56                          | 4735013.77 | 0:00  | 0   | 0:00  | 0   |
| 16                   | Year-Round Residence | Non-Participating    | Moravia | 380568.28                          | 4735012.37 | 0:00  | 0   | 0:00  | 0   |
| 17                   | Year-Round Residence | Non-Participating    | Moravia | 380562.57                          | 4735031.51 | 0:00  | 0   | 0:00  | 0   |
| 18                   | Year-Round Residence | Non-Participating    | Moravia | 380573.23                          | 4735050.34 | 0:00  | 0   | 0:00  | 0   |
| 19                   | Year-Round Residence | Non-Participating    | Moravia | 380560.66                          | 4735048.28 | 0:00  | 0   | 0:00  | 0   |
| 20                   | Year-Round Residence | Non-Participating    | Moravia | 380557.29                          | 4735062.90 | 0:00  | 0   | 0:00  | 0   |
| 21                   | Year-Round Residence | Non-Participating    | Moravia | 380548.67                          | 4735085.11 | 0:00  | 0   | 0:00  | 0   |
| 22                   | Year-Round Residence | Non-Participating    | Moravia | 380547.61                          | 4735094.12 | 0:00  | 0   | 0:00  | 0   |
| 23                   | Year-Round Residence | Non-Participating    | Moravia | 380544.01                          | 4735102.22 | 0:00  | 0   | 0:00  | 0   |
| 24                   | Year-Round Residence | Non-Participating    | Moravia | 380536.88                          | 4735124.05 | 0:00  | 0   | 0:00  | 0   |
| 25                   | Seasonal Residence   | Non-Participating    | Moravia | 380525.89                          | 4735150.27 | 0:00  | 0   | 0:00  | 0   |
| 26                   | Year-Round Residence | Non-Participating    | Moravia | 380507.58                          | 4735175.30 | 0:00  | 0   | 0:00  | 0   |
| 27                   | Year-Round Residence | Non-Participating    | Moravia | 380503.51                          | 4735214.08 | 0:00  | 0   | 0:00  | 0   |
| 28                   | Seasonal Residence   | Non-Participating    | Moravia | 380476.39                          | 4735232.72 | 0:00  | 0   | 0:00  | 0   |
| 29                   | Seasonal Residence   | Non-Participating    | Moravia | 380452.56                          | 4735265.42 | 0:00  | 0   | 0:00  | 0   |
| 30                   | Seasonal Residence   | Non-Participating    | Moravia | 380454.20                          | 4735294.37 | 0:00  | 0   | 0:00  | 0   |
| 31                   | Year-Round Residence | Non-Participating    | Moravia | 380448.90                          | 4735308.55 | 0:00  | 0   | 0:00  | 0   |
| 32                   | Seasonal Residence   | Non-Participating    | Moravia | 380438.27                          | 4735350.68 | 0:00  | 0   | 0:00  | 0   |
| 33                   | Year-Round Residence | Non-Participating    | Moravia | 380427.86                          | 4735386.06 | 0:00  | 0   | 0:00  | 0   |
| 34                   | Seasonal Residence   | Non-Participating    | Moravia | 380416.84                          | 4735409.35 | 0:00  | 0   | 0:00  | 0   |
| 35                   | Year-Round Residence | Non-Participating    | Moravia | 380403.13                          | 4735435.60 | 0:00  | 0   | 0:00  | 0   |
| 36                   | Year-Round Residence | Non-Participating    | Moravia | 380441.80                          | 4735458.07 | 0:00  | 0   | 0:00  | 0   |
| 37                   | Seasonal Residence   | Non-Participating    | Moravia | 380400.33                          | 4735455.33 | 0:00  | 0   | 0:00  | 0   |
| 38                   | Seasonal Residence   | Non-Participating    | Moravia | 380359.45                          | 4735490.94 | 0:00  | 0   | 0:00  | 0   |
| 39                   | Seasonal Residence   | Non-Participating    | Moravia | 380341.03                          | 4735540.39 | 0:00  | 0   | 0:00  | 0   |
| 40                   | Seasonal Residence   | Non-Participating    | Moravia | 380302.92                          | 4735618.66 | 0:00  | 0   | 0:00  | 0   |
| 41                   | Seasonal Residence   | Non-Participating    | Moravia | 380283.76                          | 4735645.23 | 0:00  | 0   | 0:00  | 0   |
| 42                   | Seasonal Residence   | Non-Participating    | Moravia | 380267.66                          | 4735669.56 | 0:00  | 0   | 0:00  | 0   |
| 43                   | Seasonal Residence   | Non-Participating    | Moravia | 380313.47                          | 4735656.03 | 0:00  | 0   | 0:00  | 0   |
| 44                   | Seasonal Residence   | Non-Participating    | Moravia | 380261.87                          | 4735692.34 | 0:00  | 0   | 0:00  | 0   |
| 45                   | Year-Round Residence | Non-Participating    | Moravia | 380291.46                          | 4735887.00 | 0:00  | 0   | 0:00  | 0   |
| 46                   | Seasonal Residence   | Non-Participating    | Moravia | 380204.11                          | 4735858.86 | 0:00  | 0   | 0:00  | 0   |
| 47                   | Year-Round Residence | Non-Participating    | Moravia | 380146.65                          | 4735902.72 | 0:00  | 0   | 0:00  | 0   |
| 48                   | Year-Round Residence | Non-Participating    | Moravia | 380117.68                          | 4735922.82 | 0:00  | 0   | 0:00  | 0   |
| 49                   | Year-Round Residence | Non-Participating    | Moravia | 380121.95                          | 4735957.09 | 0:00  | 0   | 0:00  | 0   |
| 50                   | Year-Round Residence | Non-Participating    | Moravia | 380097.52                          | 4735965.78 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 51                   | Seasonal Residence   | Non-Participating    | Moravia | 380098.40                          | 4735979.46 | 0:00  | 0   | 0:00  | 0   |
| 52                   | Year-Round Residence | Non-Participating    | Moravia | 380100.13                          | 4735992.83 | 0:00  | 0   | 0:00  | 0   |
| 53                   | Year-Round Residence | Non-Participating    | Moravia | 380098.09                          | 4736004.03 | 0:00  | 0   | 0:00  | 0   |
| 54                   | Year-Round Residence | Non-Participating    | Moravia | 380104.10                          | 4736012.71 | 0:00  | 0   | 0:00  | 0   |
| 55                   | Seasonal Residence   | Non-Participating    | Moravia | 380099.82                          | 4736020.13 | 0:00  | 0   | 0:00  | 0   |
| 56                   | Seasonal Residence   | Non-Participating    | Moravia | 380096.62                          | 4736028.20 | 0:00  | 0   | 0:00  | 0   |
| 57                   | Seasonal Residence   | Non-Participating    | Moravia | 380088.71                          | 4736035.37 | 0:00  | 0   | 0:00  | 0   |
| 58                   | Year-Round Residence | Non-Participating    | Moravia | 380080.51                          | 4736043.16 | 0:00  | 0   | 0:00  | 0   |
| 59                   | Year-Round Residence | Non-Participating    | Moravia | 380072.76                          | 4736049.57 | 0:00  | 0   | 0:00  | 0   |
| 60                   | Year-Round Residence | Non-Participating    | Moravia | 380059.06                          | 4736055.81 | 0:00  | 0   | 0:00  | 0   |
| 61                   | Seasonal Residence   | Non-Participating    | Moravia | 380049.43                          | 4736062.66 | 0:00  | 0   | 0:00  | 0   |
| 62                   | Seasonal Residence   | Non-Participating    | Moravia | 380043.45                          | 4736067.58 | 0:00  | 0   | 0:00  | 0   |
| 63                   | Seasonal Residence   | Non-Participating    | Moravia | 380032.66                          | 4736069.73 | 0:00  | 0   | 0:00  | 0   |
| 64                   | Seasonal Residence   | Non-Participating    | Moravia | 380024.81                          | 4736074.84 | 0:00  | 0   | 0:00  | 0   |
| 65                   | Year-Round Residence | Non-Participating    | Moravia | 380015.17                          | 4736084.39 | 0:00  | 0   | 0:00  | 0   |
| 66                   | Year-Round Residence | Non-Participating    | Moravia | 380007.45                          | 4736094.17 | 0:00  | 0   | 0:00  | 0   |
| 67                   | Seasonal Residence   | Non-Participating    | Moravia | 379998.32                          | 4736103.01 | 0:00  | 0   | 0:00  | 0   |
| 68                   | Seasonal Residence   | Non-Participating    | Moravia | 380015.51                          | 4736109.61 | 0:00  | 0   | 0:00  | 0   |
| 69                   | Seasonal Residence   | Non-Participating    | Moravia | 379991.31                          | 4736114.99 | 0:00  | 0   | 0:00  | 0   |
| 70                   | Seasonal Residence   | Non-Participating    | Moravia | 379986.33                          | 4736126.88 | 0:00  | 0   | 0:00  | 0   |
| 71                   | Year-Round Residence | Non-Participating    | Moravia | 379982.47                          | 4736138.54 | 0:00  | 0   | 0:00  | 0   |
| 72                   | Year-Round Residence | Non-Participating    | Moravia | 379981.33                          | 4736153.64 | 0:00  | 0   | 0:00  | 0   |
| 73                   | Seasonal Residence   | Non-Participating    | Moravia | 379977.63                          | 4736166.10 | 0:00  | 0   | 0:00  | 0   |
| 74                   | Seasonal Residence   | Non-Participating    | Moravia | 379973.78                          | 4736180.45 | 0:00  | 0   | 0:00  | 0   |
| 75                   | Seasonal Residence   | Non-Participating    | Moravia | 379952.77                          | 4736181.44 | 0:00  | 0   | 0:00  | 0   |
| 76                   | Year-Round Residence | Non-Participating    | Moravia | 379945.83                          | 4736193.47 | 0:00  | 0   | 0:00  | 0   |
| 77                   | Year-Round Residence | Non-Participating    | Moravia | 379933.66                          | 4736200.40 | 0:00  | 0   | 0:00  | 0   |
| 78                   | Seasonal Residence   | Non-Participating    | Moravia | 379925.74                          | 4736215.20 | 0:00  | 0   | 0:00  | 0   |
| 79                   | Year-Round Residence | Non-Participating    | Moravia | 379912.23                          | 4736227.16 | 0:00  | 0   | 0:00  | 0   |
| 80                   | Year-Round Residence | Non-Participating    | Moravia | 379934.79                          | 4736242.85 | 0:00  | 0   | 0:00  | 0   |
| 81                   | Year-Round Residence | Non-Participating    | Moravia | 379904.07                          | 4736245.60 | 0:00  | 0   | 0:00  | 0   |
| 82                   | Seasonal Residence   | Non-Participating    | Moravia | 379896.48                          | 4736262.60 | 0:00  | 0   | 0:00  | 0   |
| 83                   | Seasonal Residence   | Non-Participating    | Moravia | 379893.42                          | 4736276.99 | 0:00  | 0   | 0:00  | 0   |
| 84                   | Year-Round Residence | Non-Participating    | Moravia | 379889.83                          | 4736293.05 | 0:00  | 0   | 0:00  | 0   |
| 85                   | Year-Round Residence | Non-Participating    | Moravia | 379883.55                          | 4736307.31 | 0:00  | 0   | 0:00  | 0   |
| 86                   | Year-Round Residence | Non-Participating    | Moravia | 379876.46                          | 4736318.86 | 0:00  | 0   | 0:00  | 0   |
| 87                   | Seasonal Residence   | Non-Participating    | Moravia | 379872.06                          | 4736332.18 | 0:00  | 0   | 0:00  | 0   |
| 88                   | Seasonal Residence   | Non-Participating    | Moravia | 379867.88                          | 4736348.13 | 0:00  | 0   | 0:00  | 0   |
| 89                   | Seasonal Residence   | Non-Participating    | Moravia | 379865.15                          | 4736361.94 | 0:00  | 0   | 0:00  | 0   |
| 90                   | Seasonal Residence   | Non-Participating    | Moravia | 379862.44                          | 4736373.56 | 0:00  | 0   | 0:00  | 0   |
| 91                   | Seasonal Residence   | Non-Participating    | Moravia | 379860.53                          | 4736383.43 | 0:00  | 0   | 0:00  | 0   |
| 92                   | Seasonal Residence   | Non-Participating    | Moravia | 379858.57                          | 4736393.35 | 0:00  | 0   | 0:00  | 0   |
| 93                   | Year-Round Residence | Non-Participating    | Moravia | 379853.41                          | 4736406.22 | 0:00  | 0   | 0:00  | 0   |
| 94                   | Seasonal Residence   | Non-Participating    | Moravia | 379851.04                          | 4736418.93 | 0:00  | 0   | 0:00  | 0   |
| 95                   | Seasonal Residence   | Non-Participating    | Moravia | 379855.16                          | 4736427.29 | 0:00  | 0   | 0:00  | 0   |
| 96                   | Year-Round Residence | Non-Participating    | Moravia | 379859.78                          | 4736436.88 | 0:00  | 0   | 0:00  | 0   |
| 97                   | Seasonal Residence   | Non-Participating    | Moravia | 379866.18                          | 4736464.61 | 0:00  | 0   | 0:00  | 0   |
| 98                   | Seasonal Residence   | Non-Participating    | Moravia | 379881.57                          | 4736473.40 | 0:00  | 0   | 0:00  | 0   |
| 99                   | Seasonal Residence   | Non-Participating    | Moravia | 379887.71                          | 4736482.06 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 100                  | Year-Round Residence | Non-Participating    | Moravia | 379896.49                          | 4736490.13 | 0:00  | 0   | 0:00  | 0   |
| 101                  | Seasonal Residence   | Non-Participating    | Moravia | 379905.23                          | 4736503.72 | 0:00  | 0   | 0:00  | 0   |
| 102                  | Seasonal Residence   | Non-Participating    | Moravia | 379916.65                          | 4736513.61 | 0:00  | 0   | 0:00  | 0   |
| 103                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.41                          | 4736521.19 | 0:00  | 0   | 0:00  | 0   |
| 104                  | Year-Round Residence | Non-Participating    | Moravia | 379939.72                          | 4736532.77 | 0:00  | 0   | 0:00  | 0   |
| 105                  | Year-Round Residence | Non-Participating    | Moravia | 379943.83                          | 4736554.70 | 0:00  | 0   | 0:00  | 0   |
| 106                  | Seasonal Residence   | Non-Participating    | Moravia | 379946.39                          | 4736578.38 | 0:00  | 0   | 0:00  | 0   |
| 107                  | Year-Round Residence | Non-Participating    | Moravia | 379908.79                          | 4736729.99 | 0:00  | 0   | 0:00  | 0   |
| 108                  | Year-Round Residence | Non-Participating    | Moravia | 379913.37                          | 4736705.87 | 0:00  | 0   | 0:00  | 0   |
| 109                  | Year-Round Residence | Non-Participating    | Moravia | 379874.96                          | 4736793.65 | 0:00  | 0   | 0:00  | 0   |
| 110                  | Year-Round Residence | Non-Participating    | Moravia | 379847.60                          | 4736862.71 | 0:00  | 0   | 0:00  | 0   |
| 111                  | Year-Round Residence | Non-Participating    | Moravia | 379835.70                          | 4736880.42 | 0:00  | 0   | 0:00  | 0   |
| 112                  | Year-Round Residence | Non-Participating    | Moravia | 379841.25                          | 4736922.72 | 0:00  | 0   | 0:00  | 0   |
| 113                  | Year-Round Residence | Non-Participating    | Moravia | 379793.03                          | 4736984.92 | 0:00  | 0   | 0:00  | 0   |
| 114                  | Year-Round Residence | Non-Participating    | Moravia | 379764.76                          | 4737017.63 | 0:00  | 0   | 0:00  | 0   |
| 115                  | Year-Round Residence | Non-Participating    | Moravia | 379719.73                          | 4737122.89 | 0:00  | 0   | 0:00  | 0   |
| 116                  | Year-Round Residence | Non-Participating    | Moravia | 379689.44                          | 4737191.52 | 0:00  | 0   | 0:00  | 0   |
| 117                  | Year-Round Residence | Non-Participating    | Moravia | 379665.82                          | 4737201.12 | 0:00  | 0   | 0:00  | 0   |
| 118                  | Year-Round Residence | Non-Participating    | Moravia | 379666.62                          | 4737222.05 | 0:00  | 0   | 0:00  | 0   |
| 119                  | Year-Round Residence | Non-Participating    | Moravia | 379739.15                          | 4737235.91 | 0:00  | 0   | 0:00  | 0   |
| 120                  | Year-Round Residence | Non-Participating    | Moravia | 379673.87                          | 4737313.71 | 0:00  | 0   | 0:00  | 0   |
| 121                  | Year-Round Residence | Non-Participating    | Moravia | 379609.87                          | 4737321.66 | 0:00  | 0   | 0:00  | 0   |
| 122                  | Year-Round Residence | Non-Participating    | Moravia | 379574.35                          | 4737345.38 | 0:00  | 0   | 0:00  | 0   |
| 123                  | Year-Round Residence | Non-Participating    | Moravia | 379587.31                          | 4737376.91 | 0:00  | 0   | 0:00  | 0   |
| 124                  | Year-Round Residence | Non-Participating    | Moravia | 379556.81                          | 4737418.00 | 0:00  | 0   | 0:00  | 0   |
| 125                  | Year-Round Residence | Non-Participating    | Moravia | 379540.04                          | 4737445.68 | 0:00  | 0   | 0:00  | 0   |
| 126                  | Seasonal Residence   | Non-Participating    | Moravia | 379538.51                          | 4737487.34 | 0:00  | 0   | 0:00  | 0   |
| 127                  | Seasonal Residence   | Non-Participating    | Moravia | 379522.84                          | 4737537.82 | 0:00  | 0   | 0:00  | 0   |
| 128                  | Year-Round Residence | Non-Participating    | Moravia | 380393.70                          | 4733367.74 | 0:00  | 0   | 0:00  | 0   |
| 129                  | Year-Round Residence | Non-Participating    | Venice  | 379601.66                          | 4734355.41 | 0:00  | 0   | 0:00  | 0   |
| 130                  | Year-Round Residence | Non-Participating    | Venice  | 379553.27                          | 4734436.52 | 0:00  | 0   | 0:00  | 0   |
| 131                  | Year-Round Residence | Non-Participating    | Venice  | 379521.53                          | 4734497.17 | 0:00  | 0   | 0:00  | 0   |
| 132                  | Year-Round Residence | Non-Participating    | Venice  | 379526.21                          | 4734581.83 | 0:00  | 0   | 0:00  | 0   |
| 133                  | Year-Round Residence | Non-Participating    | Venice  | 379520.61                          | 4734591.42 | 0:00  | 0   | 0:00  | 0   |
| 134                  | Year-Round Residence | Non-Participating    | Venice  | 379499.97                          | 4734639.42 | 0:00  | 0   | 0:00  | 0   |
| 135                  | Year-Round Residence | Non-Participating    | Venice  | 379503.53                          | 4734689.79 | 0:00  | 0   | 0:00  | 0   |
| 136                  | Year-Round Residence | Non-Participating    | Venice  | 379509.85                          | 4734704.74 | 0:00  | 0   | 0:00  | 0   |
| 137                  | Year-Round Residence | Non-Participating    | Venice  | 379505.21                          | 4734718.32 | 0:00  | 0   | 0:00  | 0   |
| 138                  | Year-Round Residence | Non-Participating    | Venice  | 379480.77                          | 4734715.83 | 0:00  | 0   | 0:00  | 0   |
| 139                  | Year-Round Residence | Non-Participating    | Venice  | 379466.85                          | 4734716.96 | 0:00  | 0   | 0:00  | 0   |
| 140                  | Year-Round Residence | Non-Participating    | Venice  | 379444.20                          | 4734721.42 | 0:00  | 0   | 0:00  | 0   |
| 141                  | Year-Round Residence | Non-Participating    | Venice  | 379450.28                          | 4734742.87 | 0:00  | 0   | 0:00  | 0   |
| 142                  | Year-Round Residence | Non-Participating    | Venice  | 379465.79                          | 4734740.55 | 0:00  | 0   | 0:00  | 0   |
| 143                  | Year-Round Residence | Non-Participating    | Venice  | 379482.64                          | 4734759.89 | 0:00  | 0   | 0:00  | 0   |
| 144                  | Year-Round Residence | Non-Participating    | Venice  | 379495.37                          | 4734767.84 | 0:00  | 0   | 0:00  | 0   |
| 145                  | Year-Round Residence | Non-Participating    | Venice  | 379464.26                          | 4734778.19 | 0:00  | 0   | 0:00  | 0   |
| 146                  | Year-Round Residence | Non-Participating    | Venice  | 379450.97                          | 4734772.70 | 0:00  | 0   | 0:00  | 0   |
| 147                  | Year-Round Residence | Non-Participating    | Venice  | 379436.69                          | 4734771.16 | 0:00  | 0   | 0:00  | 0   |
| 148                  | Year-Round Residence | Non-Participating    | Venice  | 379383.59                          | 4734788.93 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 149                  | Year-Round Residence | Non-Participating    | Venice  | 379320.63                          | 4734871.09 | 0:00  | 0   | 0:00  | 0   |
| 150                  | Year-Round Residence | Non-Participating    | Venice  | 379330.09                          | 4734900.60 | 0:00  | 0   | 0:00  | 0   |
| 151                  | Year-Round Residence | Non-Participating    | Venice  | 379299.41                          | 4735030.46 | 0:00  | 0   | 0:00  | 0   |
| 152                  | Year-Round Residence | Non-Participating    | Venice  | 379296.10                          | 4735041.99 | 0:00  | 0   | 0:00  | 0   |
| 153                  | Year-Round Residence | Non-Participating    | Venice  | 379295.49                          | 4735049.39 | 0:00  | 0   | 0:00  | 0   |
| 154                  | Year-Round Residence | Non-Participating    | Venice  | 379294.02                          | 4735058.51 | 0:00  | 0   | 0:00  | 0   |
| 155                  | Year-Round Residence | Non-Participating    | Venice  | 379285.35                          | 4735066.50 | 0:00  | 0   | 0:00  | 0   |
| 156                  | Year-Round Residence | Non-Participating    | Venice  | 379260.90                          | 4735095.33 | 0:00  | 0   | 0:00  | 0   |
| 157                  | Year-Round Residence | Non-Participating    | Venice  | 379195.43                          | 4735133.47 | 0:00  | 0   | 0:00  | 0   |
| 158                  | Year-Round Residence | Non-Participating    | Venice  | 379227.11                          | 4735143.52 | 0:00  | 0   | 0:00  | 0   |
| 159                  | Year-Round Residence | Non-Participating    | Venice  | 379169.61                          | 4735261.41 | 0:00  | 0   | 0:00  | 0   |
| 160                  | Year-Round Residence | Non-Participating    | Venice  | 379136.78                          | 4734833.48 | 0:00  | 0   | 0:00  | 0   |
| 161                  | Year-Round Residence | Non-Participating    | Scipio  | 379078.40                          | 4735389.22 | 0:00  | 0   | 0:00  | 0   |
| 162                  | Year-Round Residence | Non-Participating    | Scipio  | 378932.36                          | 4735361.36 | 0:00  | 0   | 0:00  | 0   |
| 163                  | Year-Round Residence | Non-Participating    | Scipio  | 379062.92                          | 4735417.23 | 0:00  | 0   | 0:00  | 0   |
| 164                  | Year-Round Residence | Non-Participating    | Scipio  | 379007.15                          | 4735665.70 | 0:00  | 0   | 0:00  | 0   |
| 165                  | Year-Round Residence | Non-Participating    | Scipio  | 378991.68                          | 4735691.18 | 0:00  | 0   | 0:00  | 0   |
| 166                  | Year-Round Residence | Non-Participating    | Scipio  | 378845.96                          | 4735938.38 | 0:00  | 0   | 0:00  | 0   |
| 167                  | Year-Round Residence | Non-Participating    | Scipio  | 378862.50                          | 4735907.77 | 0:00  | 0   | 0:00  | 0   |
| 168                  | Year-Round Residence | Non-Participating    | Scipio  | 378784.98                          | 4736197.60 | 0:00  | 0   | 0:00  | 0   |
| 169                  | Year-Round Residence | Non-Participating    | Scipio  | 378808.17                          | 4736194.21 | 0:00  | 0   | 0:00  | 0   |
| 170                  | Year-Round Residence | Non-Participating    | Scipio  | 378823.26                          | 4736180.99 | 0:00  | 0   | 0:00  | 0   |
| 171                  | Year-Round Residence | Non-Participating    | Scipio  | 378827.78                          | 4736164.41 | 0:00  | 0   | 0:00  | 0   |
| 172                  | Year-Round Residence | Non-Participating    | Scipio  | 378821.67                          | 4736142.81 | 0:00  | 0   | 0:00  | 0   |
| 173                  | Year-Round Residence | Non-Participating    | Scipio  | 378805.48                          | 4736110.70 | 0:00  | 0   | 0:00  | 0   |
| 174                  | Year-Round Residence | Non-Participating    | Scipio  | 378826.72                          | 4736080.44 | 0:00  | 0   | 0:00  | 0   |
| 175                  | Year-Round Residence | Non-Participating    | Scipio  | 378830.65                          | 4736050.08 | 0:00  | 0   | 0:00  | 0   |
| 176                  | Year-Round Residence | Non-Participating    | Scipio  | 378836.78                          | 4736024.41 | 0:00  | 0   | 0:00  | 0   |
| 177                  | Year-Round Residence | Non-Participating    | Scipio  | 378846.89                          | 4736005.63 | 0:00  | 0   | 0:00  | 0   |
| 178                  | Year-Round Residence | Non-Participating    | Scipio  | 378796.76                          | 4736027.98 | 0:00  | 0   | 0:00  | 0   |
| 179                  | Year-Round Residence | Non-Participating    | Scipio  | 378706.10                          | 4736245.01 | 0:00  | 0   | 0:00  | 0   |
| 180                  | Year-Round Residence | Non-Participating    | Scipio  | 378683.89                          | 4736266.78 | 0:00  | 0   | 0:00  | 0   |
| 181                  | Year-Round Residence | Non-Participating    | Scipio  | 378668.08                          | 4736317.93 | 0:00  | 0   | 0:00  | 0   |
| 182                  | Year-Round Residence | Non-Participating    | Scipio  | 378637.04                          | 4736373.84 | 0:00  | 0   | 0:00  | 0   |
| 183                  | Year-Round Residence | Non-Participating    | Scipio  | 378586.39                          | 4736417.38 | 0:00  | 0   | 0:00  | 0   |
| 184                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.86                          | 4736562.25 | 0:00  | 0   | 0:00  | 0   |
| 185                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.64                          | 4736673.79 | 0:00  | 0   | 0:00  | 0   |
| 186                  | Year-Round Residence | Non-Participating    | Scipio  | 378496.15                          | 4736716.62 | 0:00  | 0   | 0:00  | 0   |
| 187                  | Year-Round Residence | Non-Participating    | Scipio  | 378184.28                          | 4737400.63 | 0:00  | 0   | 0:00  | 0   |
| 188                  | Year-Round Residence | Non-Participating    | Scipio  | 378098.48                          | 4737428.21 | 0:00  | 0   | 0:00  | 0   |
| 189                  | Seasonal Residence   | Non-Participating    | Moravia | 380262.66                          | 4735720.44 | 0:00  | 0   | 0:00  | 0   |
| 190                  | Seasonal Residence   | Non-Participating    | Moravia | 380249.36                          | 4735707.15 | 0:00  | 0   | 0:00  | 0   |
| 191                  | Seasonal Residence   | Non-Participating    | Moravia | 380255.65                          | 4735757.88 | 0:00  | 0   | 0:00  | 0   |
| 192                  | Seasonal Residence   | Non-Participating    | Moravia | 380227.61                          | 4735806.08 | 0:00  | 0   | 0:00  | 0   |
| 193                  | Seasonal Residence   | Non-Participating    | Moravia | 379931.83                          | 4736590.10 | 0:00  | 0   | 0:00  | 0   |
| 194                  | Seasonal Residence   | Non-Participating    | Moravia | 379942.36                          | 4736616.30 | 0:00  | 0   | 0:00  | 0   |
| 195                  | Seasonal Residence   | Non-Participating    | Moravia | 379934.71                          | 4736636.42 | 0:00  | 0   | 0:00  | 0   |
| 196                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.33                          | 4736651.23 | 0:00  | 0   | 0:00  | 0   |
| 197                  | Seasonal Residence   | Non-Participating    | Moravia | 379907.88                          | 4736676.63 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 198                  | Seasonal Residence   | Non-Participating    | Moravia | 379901.53                          | 4736770.98 | 0:00  | 0   | 0:00  | 0   |
| 199                  | Seasonal Residence   | Non-Participating    | Moravia | 379874.80                          | 4736813.17 | 0:00  | 0   | 0:00  | 0   |
| 200                  | Seasonal Residence   | Non-Participating    | Moravia | 379862.22                          | 4736838.61 | 0:00  | 0   | 0:00  | 0   |
| 201                  | Seasonal Residence   | Non-Participating    | Moravia | 379810.54                          | 4736949.11 | 0:00  | 0   | 0:00  | 0   |
| 202                  | Seasonal Residence   | Non-Participating    | Moravia | 379754.81                          | 4737062.03 | 0:00  | 0   | 0:00  | 0   |
| 203                  | Seasonal Residence   | Non-Participating    | Moravia | 379738.10                          | 4737086.35 | 0:00  | 0   | 0:00  | 0   |
| 204                  | Seasonal Residence   | Non-Participating    | Moravia | 379747.11                          | 4737112.68 | 0:00  | 0   | 0:00  | 0   |
| 205                  | Seasonal Residence   | Non-Participating    | Moravia | 379697.70                          | 4737132.04 | 0:00  | 0   | 0:00  | 0   |
| 206                  | Seasonal Residence   | Non-Participating    | Moravia | 379693.37                          | 4737158.69 | 0:00  | 0   | 0:00  | 0   |
| 207                  | Seasonal Residence   | Non-Participating    | Moravia | 379638.83                          | 4737273.11 | 0:00  | 0   | 0:00  | 0   |
| 208                  | Seasonal Residence   | Non-Participating    | Moravia | 379561.59                          | 4737384.67 | 0:00  | 0   | 0:00  | 0   |
| 209                  | Seasonal Residence   | Non-Participating    | Niles   | 379498.76                          | 4737580.94 | 0:00  | 0   | 0:00  | 0   |
| 210                  | Seasonal Residence   | Non-Participating    | Niles   | 379492.60                          | 4737607.77 | 0:00  | 0   | 0:00  | 0   |
| 211                  | Seasonal Residence   | Non-Participating    | Niles   | 379479.32                          | 4737638.85 | 0:00  | 0   | 0:00  | 0   |
| 212                  | Seasonal Residence   | Non-Participating    | Niles   | 379468.92                          | 4737659.08 | 0:00  | 0   | 0:00  | 0   |
| 213                  | Seasonal Residence   | Non-Participating    | Niles   | 379461.19                          | 4737677.38 | 0:00  | 0   | 0:00  | 0   |
| 214                  | Seasonal Residence   | Non-Participating    | Niles   | 379455.43                          | 4737694.03 | 0:00  | 0   | 0:00  | 0   |
| 215                  | Seasonal Residence   | Non-Participating    | Niles   | 379446.82                          | 4737714.46 | 0:00  | 0   | 0:00  | 0   |
| 216                  | Seasonal Residence   | Non-Participating    | Niles   | 379436.64                          | 4737737.67 | 0:00  | 0   | 0:00  | 0   |
| 217                  | Seasonal Residence   | Non-Participating    | Niles   | 379427.69                          | 4737765.33 | 0:00  | 0   | 0:00  | 0   |
| 218                  | Seasonal Residence   | Non-Participating    | Niles   | 379324.64                          | 4737794.52 | 0:00  | 0   | 0:00  | 0   |
| 219                  | Seasonal Residence   | Non-Participating    | Niles   | 379348.60                          | 4737891.42 | 0:00  | 0   | 0:00  | 0   |
| 220                  | Seasonal Residence   | Non-Participating    | Niles   | 379335.91                          | 4737939.30 | 0:00  | 0   | 0:00  | 0   |
| 221                  | Seasonal Residence   | Non-Participating    | Niles   | 379262.28                          | 4737989.10 | 0:00  | 0   | 0:00  | 0   |
| 222                  | Seasonal Residence   | Non-Participating    | Venice  | 379634.88                          | 4734302.75 | 0:00  | 0   | 0:00  | 0   |
| 223                  | Seasonal Residence   | Non-Participating    | Venice  | 379698.88                          | 4734505.64 | 0:00  | 0   | 0:00  | 0   |
| 224                  | Seasonal Residence   | Non-Participating    | Venice  | 379597.50                          | 4734525.85 | 0:00  | 0   | 0:00  | 0   |
| 225                  | Seasonal Residence   | Non-Participating    | Venice  | 379583.90                          | 4734535.92 | 0:00  | 0   | 0:00  | 0   |
| 226                  | Seasonal Residence   | Non-Participating    | Venice  | 379570.06                          | 4734543.74 | 0:00  | 0   | 0:00  | 0   |
| 227                  | Seasonal Residence   | Non-Participating    | Venice  | 379544.15                          | 4734554.57 | 0:00  | 0   | 0:00  | 0   |
| 228                  | Seasonal Residence   | Non-Participating    | Venice  | 379553.12                          | 4734572.45 | 0:00  | 0   | 0:00  | 0   |
| 229                  | Seasonal Residence   | Non-Participating    | Venice  | 379510.21                          | 4734601.49 | 0:00  | 0   | 0:00  | 0   |
| 230                  | Seasonal Residence   | Non-Participating    | Venice  | 379511.82                          | 4734610.87 | 0:00  | 0   | 0:00  | 0   |
| 231                  | Seasonal Residence   | Non-Participating    | Venice  | 379492.96                          | 4734717.58 | 0:00  | 0   | 0:00  | 0   |
| 232                  | Seasonal Residence   | Non-Participating    | Venice  | 379472.59                          | 4734751.64 | 0:00  | 0   | 0:00  | 0   |
| 233                  | Seasonal Residence   | Non-Participating    | Venice  | 379412.27                          | 4734796.05 | 0:00  | 0   | 0:00  | 0   |
| 234                  | Seasonal Residence   | Non-Participating    | Venice  | 379389.59                          | 4734779.14 | 0:00  | 0   | 0:00  | 0   |
| 235                  | Seasonal Residence   | Non-Participating    | Venice  | 379361.33                          | 4734801.75 | 0:00  | 0   | 0:00  | 0   |
| 236                  | Seasonal Residence   | Non-Participating    | Venice  | 379377.56                          | 4734844.99 | 0:00  | 0   | 0:00  | 0   |
| 237                  | Seasonal Residence   | Non-Participating    | Venice  | 379351.97                          | 4734841.33 | 0:00  | 0   | 0:00  | 0   |
| 238                  | Seasonal Residence   | Non-Participating    | Venice  | 379342.18                          | 4734857.25 | 0:00  | 0   | 0:00  | 0   |
| 239                  | Seasonal Residence   | Non-Participating    | Venice  | 379329.92                          | 4734937.17 | 0:00  | 0   | 0:00  | 0   |
| 240                  | Seasonal Residence   | Non-Participating    | Venice  | 379279.11                          | 4734959.98 | 0:00  | 0   | 0:00  | 0   |
| 241                  | Seasonal Residence   | Non-Participating    | Venice  | 379272.44                          | 4734970.00 | 0:00  | 0   | 0:00  | 0   |
| 242                  | Seasonal Residence   | Non-Participating    | Venice  | 379256.31                          | 4735014.79 | 0:00  | 0   | 0:00  | 0   |
| 243                  | Seasonal Residence   | Non-Participating    | Venice  | 379278.90                          | 4735079.07 | 0:00  | 0   | 0:00  | 0   |
| 244                  | Seasonal Residence   | Non-Participating    | Venice  | 379245.70                          | 4735116.49 | 0:00  | 0   | 0:00  | 0   |
| 245                  | Seasonal Residence   | Non-Participating    | Venice  | 379232.44                          | 4735134.99 | 0:00  | 0   | 0:00  | 0   |
| 246                  | Year-Round Residence | Non-Participating    | Venice  | 378998.25                          | 4735265.22 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 247                  | Seasonal Residence   | Non-Participating    | Venice  | 379066.29                          | 4735291.50 | 0:00  | 0   | 0:00  | 0   |
| 248                  | Seasonal Residence   | Non-Participating    | Scipio  | 379089.05                          | 4735348.51 | 0:00  | 0   | 0:00  | 0   |
| 249                  | Seasonal Residence   | Non-Participating    | Scipio  | 379093.32                          | 4735369.67 | 0:00  | 0   | 0:00  | 0   |
| 250                  | Seasonal Residence   | Non-Participating    | Scipio  | 379091.13                          | 4735434.72 | 0:00  | 0   | 0:00  | 0   |
| 251                  | Seasonal Residence   | Non-Participating    | Scipio  | 379086.27                          | 4735473.71 | 0:00  | 0   | 0:00  | 0   |
| 252                  | Seasonal Residence   | Non-Participating    | Scipio  | 379066.93                          | 4735506.50 | 0:00  | 0   | 0:00  | 0   |
| 253                  | Seasonal Residence   | Non-Participating    | Scipio  | 379053.19                          | 4735549.98 | 0:00  | 0   | 0:00  | 0   |
| 254                  | Seasonal Residence   | Non-Participating    | Scipio  | 379015.81                          | 4735615.48 | 0:00  | 0   | 0:00  | 0   |
| 255                  | Seasonal Residence   | Non-Participating    | Scipio  | 379005.35                          | 4735632.30 | 0:00  | 0   | 0:00  | 0   |
| 256                  | Seasonal Residence   | Non-Participating    | Scipio  | 379006.77                          | 4735650.36 | 0:00  | 0   | 0:00  | 0   |
| 257                  | Seasonal Residence   | Non-Participating    | Scipio  | 378968.98                          | 4735711.86 | 0:00  | 0   | 0:00  | 0   |
| 258                  | Seasonal Residence   | Non-Participating    | Scipio  | 378961.50                          | 4735726.01 | 0:00  | 0   | 0:00  | 0   |
| 259                  | Seasonal Residence   | Non-Participating    | Scipio  | 378907.66                          | 4735876.35 | 0:00  | 0   | 0:00  | 0   |
| 260                  | Seasonal Residence   | Non-Participating    | Scipio  | 378578.03                          | 4736475.96 | 0:00  | 0   | 0:00  | 0   |
| 261                  | Seasonal Residence   | Non-Participating    | Scipio  | 378564.57                          | 4736508.17 | 0:00  | 0   | 0:00  | 0   |
| 262                  | Seasonal Residence   | Non-Participating    | Scipio  | 378433.48                          | 4736881.83 | 0:00  | 0   | 0:00  | 0   |
| 263                  | Seasonal Residence   | Non-Participating    | Scipio  | 378162.15                          | 4737337.37 | 0:00  | 0   | 0:00  | 0   |
| 264                  | Seasonal Residence   | Non-Participating    | Scipio  | 377503.52                          | 4737880.95 | 0:00  | 0   | 0:00  | 0   |
| 265                  | Seasonal Residence   | Non-Participating    | Scipio  | 377647.75                          | 4737994.31 | 0:00  | 0   | 0:00  | 0   |
| 266                  | Seasonal Residence   | Non-Participating    | Scipio  | 377676.45                          | 4737936.68 | 0:00  | 0   | 0:00  | 0   |
| 273                  | Year-Round Residence | Non-Participating    | Moravia | 380786.57                          | 4735247.98 | 0:00  | 0   | 0:00  | 0   |
| 290                  | Year-Round Residence | Non-Participating    | Scipio  | 377104.22                          | 4738132.82 | 0:00  | 0   | 0:00  | 0   |
| 292                  | Year-Round Residence | Non-Participating    | Scipio  | 377335.15                          | 4738630.15 | 0:00  | 0   | 0:00  | 0   |
| 293                  | Year-Round Residence | Non-Participating    | Scipio  | 377219.41                          | 4738715.14 | 0:00  | 0   | 0:00  | 0   |
| 294                  | Year-Round Residence | Non-Participating    | Scipio  | 377195.26                          | 4738763.91 | 0:00  | 0   | 0:00  | 0   |
| 295                  | Seasonal Residence   | Non-Participating    | Scipio  | 377164.00                          | 4738840.42 | 0:00  | 0   | 0:00  | 0   |
| 296                  | Year-Round Residence | Non-Participating    | Scipio  | 377177.55                          | 4738904.10 | 0:00  | 0   | 0:00  | 0   |
| 297                  | Year-Round Residence | Non-Participating    | Scipio  | 377160.07                          | 4738940.39 | 0:00  | 0   | 0:00  | 0   |
| 298                  | Year-Round Residence | Non-Participating    | Scipio  | 377166.05                          | 4738988.23 | 0:00  | 0   | 0:00  | 0   |
| 299                  | Year-Round Residence | Non-Participating    | Scipio  | 377169.54                          | 4739077.16 | 0:00  | 0   | 0:00  | 0   |
| 300                  | Year-Round Residence | Non-Participating    | Scipio  | 377175.12                          | 4739064.71 | 0:00  | 0   | 0:00  | 0   |
| 301                  | Year-Round Residence | Non-Participating    | Scipio  | 377145.85                          | 4739092.14 | 0:00  | 0   | 0:00  | 0   |
| 303                  | Year-Round Residence | Non-Participating    | Scipio  | 376945.33                          | 4739169.65 | 0:00  | 0   | 0:00  | 0   |
| 304                  | Year-Round Residence | Non-Participating    | Scipio  | 376824.82                          | 4739117.06 | 0:00  | 0   | 0:00  | 0   |
| 305                  | Seasonal Residence   | Non-Participating    | Scipio  | 376847.02                          | 4739447.58 | 0:00  | 0   | 0:00  | 0   |
| 306                  | Seasonal Residence   | Non-Participating    | Scipio  | 376679.79                          | 4739750.41 | 0:00  | 0   | 0:00  | 0   |
| 307                  | Seasonal Residence   | Non-Participating    | Scipio  | 376572.43                          | 4739875.57 | 0:00  | 0   | 0:00  | 0   |
| 308                  | Seasonal Residence   | Non-Participating    | Scipio  | 376554.38                          | 4739939.48 | 0:00  | 0   | 0:00  | 0   |
| 309                  | Year-Round Residence | Non-Participating    | Scipio  | 376540.37                          | 4739966.99 | 0:00  | 0   | 0:00  | 0   |
| 310                  | Seasonal Residence   | Non-Participating    | Scipio  | 376518.99                          | 4740028.06 | 0:00  | 0   | 0:00  | 0   |
| 311                  | Seasonal Residence   | Non-Participating    | Scipio  | 376445.15                          | 4740100.28 | 0:00  | 0   | 0:00  | 0   |
| 312                  | Year-Round Residence | Non-Participating    | Scipio  | 376375.24                          | 4740129.93 | 0:00  | 0   | 0:00  | 0   |
| 313                  | Year-Round Residence | Non-Participating    | Scipio  | 376385.70                          | 4740184.22 | 0:00  | 0   | 0:00  | 0   |
| 314                  | Seasonal Residence   | Non-Participating    | Scipio  | 376385.76                          | 4740226.00 | 0:00  | 0   | 0:00  | 0   |
| 315                  | Seasonal Residence   | Non-Participating    | Scipio  | 376157.52                          | 4740123.48 | 0:00  | 0   | 0:00  | 0   |
| 317                  | Seasonal Residence   | Non-Participating    | Scipio  | 376269.90                          | 4740285.20 | 0:00  | 0   | 0:00  | 0   |
| 318                  | Seasonal Residence   | Non-Participating    | Scipio  | 376164.74                          | 4740778.68 | 0:00  | 0   | 0:00  | 0   |
| 319                  | Year-Round Residence | Non-Participating    | Scipio  | 376019.05                          | 4740932.17 | 0:00  | 0   | 0:00  | 0   |
| 320                  | Year-Round Residence | Non-Participating    | Scipio  | 376095.37                          | 4740953.62 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 321                  | Seasonal Residence   | Non-Participating    | Scipio | 376148.50                          | 4740919.57 | 0:00  | 0   | 0:00  | 0   |
| 322                  | Year-Round Residence | Non-Participating    | Scipio | 375998.14                          | 4740998.68 | 0:00  | 0   | 0:00  | 0   |
| 323                  | Year-Round Residence | Non-Participating    | Scipio | 375317.58                          | 4741086.66 | 0:00  | 0   | 0:00  | 0   |
| 324                  | Year-Round Residence | Non-Participating    | Scipio | 375551.40                          | 4740306.69 | 0:00  | 0   | 0:00  | 0   |
| 325                  | Year-Round Residence | Non-Participating    | Scipio | 375745.99                          | 4740280.88 | 0:00  | 0   | 0:00  | 0   |
| 326                  | Year-Round Residence | Non-Participating    | Scipio | 375781.55                          | 4740220.63 | 0:00  | 0   | 0:00  | 0   |
| 327                  | Year-Round Residence | Non-Participating    | Scipio | 375824.58                          | 4740152.26 | 0:00  | 0   | 0:00  | 0   |
| 328                  | Year-Round Residence | Non-Participating    | Scipio | 375851.51                          | 4740038.78 | 0:00  | 0   | 0:00  | 0   |
| 329                  | Year-Round Residence | Non-Participating    | Scipio | 375771.75                          | 4739989.05 | 0:00  | 0   | 0:00  | 0   |
| 330                  | Year-Round Residence | Non-Participating    | Scipio | 375817.88                          | 4739892.29 | 0:00  | 0   | 0:00  | 0   |
| 331                  | Year-Round Residence | Non-Participating    | Scipio | 375953.83                          | 4739896.63 | 0:00  | 0   | 0:00  | 0   |
| 332                  | Year-Round Residence | Non-Participating    | Scipio | 376022.06                          | 4739951.66 | 0:00  | 0   | 0:00  | 0   |
| 333                  | Year-Round Residence | Non-Participating    | Scipio | 376083.18                          | 4739975.58 | 0:00  | 0   | 0:00  | 0   |
| 334                  | Year-Round Residence | Non-Participating    | Scipio | 376187.86                          | 4739959.44 | 0:00  | 0   | 0:00  | 0   |
| 335                  | Year-Round Residence | Non-Participating    | Scipio | 375998.56                          | 4739764.29 | 0:00  | 0   | 0:00  | 0   |
| 336                  | Year-Round Residence | Non-Participating    | Scipio | 375796.95                          | 4739783.34 | 0:00  | 0   | 0:00  | 0   |
| 337                  | Year-Round Residence | Non-Participating    | Scipio | 376306.15                          | 4739623.74 | 0:00  | 0   | 0:00  | 0   |
| 339                  | Year-Round Residence | Non-Participating    | Scipio | 376332.70                          | 4739141.92 | 0:00  | 0   | 0:00  | 0   |
| 340                  | Year-Round Residence | Non-Participating    | Scipio | 376144.16                          | 4739276.60 | 0:00  | 0   | 0:00  | 0   |
| 341                  | Year-Round Residence | Non-Participating    | Scipio | 376187.31                          | 4739137.02 | 0:00  | 0   | 0:00  | 0   |
| 342                  | Year-Round Residence | Non-Participating    | Scipio | 376227.89                          | 4738899.41 | 0:00  | 0   | 0:00  | 0   |
| 344                  | Year-Round Residence | Non-Participating    | Scipio | 376217.92                          | 4738755.38 | 0:00  | 0   | 0:00  | 0   |
| 345                  | Year-Round Residence | Non-Participating    | Scipio | 376480.22                          | 4738795.14 | 0:00  | 0   | 0:00  | 0   |
| 346                  | Year-Round Residence | Non-Participating    | Scipio | 376514.68                          | 4738715.30 | 0:00  | 0   | 0:00  | 0   |
| 347                  | Year-Round Residence | Non-Participating    | Scipio | 376555.71                          | 4738636.79 | 0:00  | 0   | 0:00  | 0   |
| 348                  | Year-Round Residence | Non-Participating    | Scipio | 376655.88                          | 4738748.25 | 0:00  | 0   | 0:00  | 0   |
| 349                  | Year-Round Residence | Non-Participating    | Scipio | 376597.43                          | 4738556.45 | 0:00  | 0   | 0:00  | 0   |
| 350                  | Year-Round Residence | Non-Participating    | Scipio | 376582.31                          | 4738428.14 | 0:00  | 0   | 0:00  | 0   |
| 351                  | Year-Round Residence | Non-Participating    | Scipio | 376547.67                          | 4738460.03 | 0:00  | 0   | 0:00  | 0   |
| 352                  | Year-Round Residence | Non-Participating    | Scipio | 376622.44                          | 4738302.06 | 0:00  | 0   | 0:00  | 0   |
| 353                  | Year-Round Residence | Non-Participating    | Scipio | 376645.33                          | 4738263.85 | 0:00  | 0   | 0:00  | 0   |
| 354                  | Year-Round Residence | Non-Participating    | Scipio | 376509.32                          | 4738158.88 | 0:00  | 0   | 0:00  | 0   |
| 355                  | Year-Round Residence | Non-Participating    | Scipio | 376527.16                          | 4738161.09 | 0:00  | 0   | 0:00  | 0   |
| 356                  | Year-Round Residence | Non-Participating    | Scipio | 376559.13                          | 4738161.21 | 0:00  | 0   | 0:00  | 0   |
| 357                  | Year-Round Residence | Non-Participating    | Scipio | 376588.09                          | 4738155.58 | 0:00  | 0   | 0:00  | 0   |
| 358                  | Year-Round Residence | Non-Participating    | Scipio | 376583.35                          | 4738116.08 | 0:00  | 0   | 0:00  | 0   |
| 359                  | Year-Round Residence | Non-Participating    | Scipio | 376563.83                          | 4738121.53 | 0:00  | 0   | 0:00  | 0   |
| 360                  | Year-Round Residence | Non-Participating    | Scipio | 376518.42                          | 4738121.29 | 0:00  | 0   | 0:00  | 0   |
| 361                  | Year-Round Residence | Non-Participating    | Scipio | 376515.96                          | 4738106.08 | 0:00  | 0   | 0:00  | 0   |
| 362                  | Year-Round Residence | Non-Participating    | Scipio | 376535.16                          | 4738084.29 | 0:00  | 0   | 0:00  | 0   |
| 363                  | Year-Round Residence | Non-Participating    | Scipio | 376564.58                          | 4738102.99 | 0:00  | 0   | 0:00  | 0   |
| 364                  | Year-Round Residence | Non-Participating    | Scipio | 376578.37                          | 4738083.11 | 0:00  | 0   | 0:00  | 0   |
| 365                  | Year-Round Residence | Non-Participating    | Scipio | 376601.14                          | 4738096.49 | 0:00  | 0   | 0:00  | 0   |
| 366                  | Year-Round Residence | Non-Participating    | Scipio | 376613.55                          | 4738080.27 | 0:00  | 0   | 0:00  | 0   |
| 367                  | Year-Round Residence | Non-Participating    | Scipio | 376636.08                          | 4738119.45 | 0:00  | 0   | 0:00  | 0   |
| 368                  | Year-Round Residence | Non-Participating    | Scipio | 376645.52                          | 4738099.65 | 0:00  | 0   | 0:00  | 0   |
| 369                  | Year-Round Residence | Non-Participating    | Scipio | 376653.23                          | 4738084.61 | 0:00  | 0   | 0:00  | 0   |
| 370                  | Year-Round Residence | Non-Participating    | Scipio | 376682.48                          | 4738113.85 | 0:00  | 0   | 0:00  | 0   |
| 371                  | Year-Round Residence | Non-Participating    | Scipio | 376682.37                          | 4738088.79 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 372                  | Year-Round Residence | Non-Participating    | Scipio | 376700.87                          | 4738087.35 | 0:00  | 0   | 0:00  | 0   |
| 374                  | Year-Round Residence | Non-Participating    | Scipio | 377002.88                          | 4738376.40 | 0:00  | 0   | 0:00  | 0   |
| 375                  | Year-Round Residence | Non-Participating    | Scipio | 376982.55                          | 4738420.26 | 0:00  | 0   | 0:00  | 0   |
| 380                  | Year-Round Residence | Non-Participating    | Scipio | 376806.33                          | 4737996.74 | 0:00  | 0   | 0:00  | 0   |
| 381                  | Year-Round Residence | Non-Participating    | Scipio | 377037.53                          | 4737734.48 | 0:00  | 0   | 0:00  | 0   |
| 382                  | Year-Round Residence | Non-Participating    | Scipio | 377249.06                          | 4737372.69 | 0:00  | 0   | 0:00  | 0   |
| 385                  | Year-Round Residence | Non-Participating    | Scipio | 377404.36                          | 4737266.61 | 0:00  | 0   | 0:00  | 0   |
| 386                  | Year-Round Residence | Non-Participating    | Scipio | 377459.07                          | 4737181.30 | 0:00  | 0   | 0:00  | 0   |
| 387                  | Year-Round Residence | Non-Participating    | Scipio | 377706.61                          | 4736919.10 | 0:00  | 0   | 0:00  | 0   |
| 388                  | Year-Round Residence | Non-Participating    | Scipio | 377700.41                          | 4736801.52 | 0:00  | 0   | 0:00  | 0   |
| 389                  | Year-Round Residence | Non-Participating    | Scipio | 377741.56                          | 4736884.30 | 0:00  | 0   | 0:00  | 0   |
| 390                  | Year-Round Residence | Non-Participating    | Scipio | 377779.16                          | 4736855.26 | 0:00  | 0   | 0:00  | 0   |
| 391                  | Year-Round Residence | Non-Participating    | Scipio | 377839.18                          | 4736763.32 | 0:00  | 0   | 0:00  | 0   |
| 392                  | Year-Round Residence | Non-Participating    | Scipio | 377723.23                          | 4736565.70 | 0:00  | 0   | 0:00  | 0   |
| 393                  | Year-Round Residence | Non-Participating    | Scipio | 377732.21                          | 4736637.82 | 0:00  | 0   | 0:00  | 0   |
| 394                  | Year-Round Residence | Non-Participating    | Scipio | 377970.65                          | 4736567.96 | 0:00  | 0   | 0:00  | 0   |
| 395                  | Year-Round Residence | Non-Participating    | Scipio | 378002.63                          | 4736510.69 | 0:00  | 0   | 0:00  | 0   |
| 396                  | Year-Round Residence | Non-Participating    | Scipio | 378238.68                          | 4736371.12 | 0:00  | 0   | 0:00  | 0   |
| 397                  | Year-Round Residence | Non-Participating    | Scipio | 378107.18                          | 4736371.41 | 0:00  | 0   | 0:00  | 0   |
| 398                  | Year-Round Residence | Non-Participating    | Scipio | 378297.18                          | 4736294.83 | 0:00  | 0   | 0:00  | 0   |
| 399                  | Year-Round Residence | Non-Participating    | Scipio | 378365.66                          | 4736207.82 | 0:00  | 0   | 0:00  | 0   |
| 400                  | Year-Round Residence | Non-Participating    | Scipio | 378401.71                          | 4736134.85 | 0:00  | 0   | 0:00  | 0   |
| 403                  | Year-Round Residence | Non-Participating    | Scipio | 378443.04                          | 4735898.68 | 21:18   | 26  | 2:57  | 177   |
| 404                  | Year-Round Residence | Non-Participating    | Scipio | 378471.26                          | 4735853.47 | 17:19   | 26  | 2:25  | 145   |
| 405                  | Year-Round Residence | Non-Participating    | Scipio | 378452.25                          | 4735789.17 | 16:34   | 27  | 2:21  | 141   |
| 406                  | Year-Round Residence | Non-Participating    | Scipio | 378527.85                          | 4735752.51 | 13:47   | 26  | 2:05  | 125   |
| 407                  | Year-Round Residence | Non-Participating    | Venice | 379418.44                          | 4734636.13 | 0:00  | 0   | 0:00  | 0   |
| 408                  | Year-Round Residence | Non-Participating    | Venice | 378811.32                          | 4735200.84 | 8:45  | 23  | 1:59  | 119   |
| 409                  | Year-Round Residence | Non-Participating    | Venice | 378777.44                          | 4735191.95 | 9:14  | 24  | 2:06  | 126   |
| 410                  | Year-Round Residence | Non-Participating    | Venice | 378806.44                          | 4735300.44 | 0:00  | 0   | 0:00  | 0   |
| 412                  | Year-Round Residence | Non-Participating    | Venice | 378600.96                          | 4735293.06 | 11:22   | 26  | 2:16  | 136   |
| 415                  | Year-Round Residence | Non-Participating    | Scipio | 378369.73                          | 4735340.63 | 16:13   | 31  | 3:07  | 187   |
| 416                  | Year-Round Residence | Non-Participating    | Scipio | 378241.69                          | 4735331.41 | 20:13   | 35  | 3:53  | 233   |
| 418                  | Year-Round Residence | Non-Participating    | Scipio | 377968.10                          | 4735715.79 | 40:07   | 39  | 5:27  | 327   |
| 419                  | Year-Round Residence | Non-Participating    | Scipio | 377756.08                          | 4735780.44 | 0:00  | 0   | 0:00  | 0   |
| 420                  | Year-Round Residence | Non-Participating    | Scipio | 377834.28                          | 4735863.24 | 0:00  | 0   | 0:00  | 0   |
| 421                  | Year-Round Residence | Non-Participating    | Scipio | 377758.62                          | 4736032.13 | 0:00  | 0   | 0:00  | 0   |
| 422                  | Year-Round Residence | Non-Participating    | Scipio | 377760.75                          | 4736126.17 | 0:00  | 0   | 0:00  | 0   |
| 424                  | Year-Round Residence | Non-Participating    | Scipio | 378029.39                          | 4736175.93 | 0:00  | 0   | 0:00  | 0   |
| 427                  | Year-Round Residence | Non-Participating    | Scipio | 377777.78                          | 4736336.91 | 0:00  | 0   | 0:00  | 0   |
| 428                  | Year-Round Residence | Non-Participating    | Scipio | 377681.32                          | 4736423.36 | 0:00  | 0   | 0:00  | 0   |
| 429                  | Year-Round Residence | Non-Participating    | Scipio | 377760.24                          | 4736466.92 | 0:00  | 0   | 0:00  | 0   |
| 430                  | Year-Round Residence | Non-Participating    | Scipio | 377511.27                          | 4736420.74 | 0:00  | 0   | 0:00  | 0   |
| 431                  | Year-Round Residence | Non-Participating    | Scipio | 374961.46                          | 4741178.49 | 0:00  | 0   | 0:00  | 0   |
| 432                  | Year-Round Residence | Non-Participating    | Scipio | 374810.39                          | 4741083.13 | 0:00  | 0   | 0:00  | 0   |
| 433                  | Year-Round Residence | Non-Participating    | Scipio | 375180.48                          | 4741204.45 | 0:00  | 0   | 0:00  | 0   |
| 434                  | Year-Round Residence | Non-Participating    | Scipio | 374822.08                          | 4740951.38 | 0:00  | 0   | 0:00  | 0   |
| 435                  | Year-Round Residence | Non-Participating    | Scipio | 374823.36                          | 4740864.54 | 0:00  | 0   | 0:00  | 0   |
| 436                  | Year-Round Residence | Non-Participating    | Scipio | 374889.05                          | 4740745.61 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 438                  | Year-Round Residence | Non-Participating    | Scipio | 374822.90                          | 4740511.45 | 0:00  | 0   | 0:00  | 0   |
| 439                  | Year-Round Residence | Non-Participating    | Scipio | 374933.80                          | 4740458.88 | 0:00  | 0   | 0:00  | 0   |
| 440                  | Year-Round Residence | Non-Participating    | Scipio | 374890.23                          | 4740286.05 | 0:00  | 0   | 0:00  | 0   |
| 441                  | Year-Round Residence | Non-Participating    | Scipio | 374900.82                          | 4740231.00 | 0:00  | 0   | 0:00  | 0   |
| 442                  | Year-Round Residence | Non-Participating    | Scipio | 374861.06                          | 4739699.92 | 0:00  | 0   | 0:00  | 0   |
| 443                  | Year-Round Residence | Non-Participating    | Scipio | 374856.91                          | 4739807.89 | 0:00  | 0   | 0:00  | 0   |
| 446                  | Year-Round Residence | Non-Participating    | Scipio | 374859.13                          | 4739577.90 | 0:00  | 0   | 0:00  | 0   |
| 447                  | Year-Round Residence | Non-Participating    | Scipio | 375675.13                          | 4739496.33 | 0:00  | 0   | 0:00  | 0   |
| 448                  | Year-Round Residence | Non-Participating    | Scipio | 375826.88                          | 4739477.02 | 0:00  | 0   | 0:00  | 0   |
| 449                  | Year-Round Residence | Non-Participating    | Scipio | 374916.41                          | 4739293.75 | 0:00  | 0   | 0:00  | 0   |
| 450                  | Year-Round Residence | Non-Participating    | Scipio | 374858.13                          | 4739212.54 | 0:00  | 0   | 0:00  | 0   |
| 451                  | Year-Round Residence | Non-Participating    | Scipio | 374928.64                          | 4739158.84 | 0:00  | 0   | 0:00  | 0   |
| 453                  | Year-Round Residence | Non-Participating    | Scipio | 374934.50                          | 4739006.89 | 0:00  | 0   | 0:00  | 0   |
| 454                  | Year-Round Residence | Non-Participating    | Scipio | 374855.79                          | 4738703.58 | 0:00  | 0   | 0:00  | 0   |
| 455                  | Year-Round Residence | Non-Participating    | Scipio | 374956.18                          | 4738671.91 | 0:00  | 0   | 0:00  | 0   |
| 456                  | Year-Round Residence | Non-Participating    | Scipio | 374892.50                          | 4738549.60 | 0:00  | 0   | 0:00  | 0   |
| 457                  | Year-Round Residence | Non-Participating    | Scipio | 374960.28                          | 4738619.16 | 0:00  | 0   | 0:00  | 0   |
| 459                  | Year-Round Residence | Non-Participating    | Scipio | 374808.65                          | 4738437.47 | 0:00  | 0   | 0:00  | 0   |
| 460                  | Year-Round Residence | Non-Participating    | Scipio | 374885.54                          | 4738372.82 | 0:00  | 0   | 0:00  | 0   |
| 461                  | Year-Round Residence | Non-Participating    | Scipio | 375098.61                          | 4738363.73 | 0:00  | 0   | 0:00  | 0   |
| 462                  | Year-Round Residence | Non-Participating    | Scipio | 374900.17                          | 4738281.00 | 0:00  | 0   | 0:00  | 0   |
| 464                  | Year-Round Residence | Non-Participating    | Scipio | 374732.66                          | 4738243.73 | 0:00  | 0   | 0:00  | 0   |
| 465                  | Year-Round Residence | Non-Participating    | Scipio | 374960.11                          | 4738204.84 | 20:43   | 38  | 2:44  | 164   |
| 466                  | Year-Round Residence | Non-Participating    | Scipio | 374880.46                          | 4738134.81 | 40:33   | 53  | 5:37  | 337   |
| 467                  | Year-Round Residence | Non-Participating    | Scipio | 374967.38                          | 4737991.30 | 117:03  | 68  | 17:06   | 1026  |
| 468                  | Year-Round Residence | Non-Participating    | Scipio | 375108.65                          | 4737989.01 | 69:29   | 56  | 10:44   | 644   |
| 469                  | Year-Round Residence | Non-Participating    | Scipio | 375207.68                          | 4737981.34 | 48:01   | 50  | 8:00  | 480   |
| 470                  | Year-Round Residence | Non-Participating    | Scipio | 375227.58                          | 4738054.71 | 50:08   | 47  | 7:35  | 455   |
| 473                  | Year-Round Residence | Non-Participating    | Scipio | 375456.64                          | 4738084.92 | 27:03   | 37  | 4:25  | 265   |
| 474                  | Year-Round Residence | Non-Participating    | Scipio | 375852.74                          | 4737710.15 | 29:48   | 28  | 5:42  | 342   |
| 476                  | Year-Round Residence | Non-Participating    | Scipio | 376236.43                          | 4738096.80 | 0:00  | 0   | 0:00  | 0   |
| 480                  | Year-Round Residence | Non-Participating    | Scipio | 374967.87                          | 4737620.62 | 206:45  | 82  | 46:13   | 2773  |
| 481                  | Year-Round Residence | Non-Participating    | Scipio | 374974.48                          | 4737549.55 | 290:56  | 91  | 67:49   | 4069  |
| 482                  | Year-Round Residence | Non-Participating    | Scipio | 374925.84                          | 4737438.08 | 343:43  | 133   | 73:18   | 4398  |
| 483                  | Year-Round Residence | Non-Participating    | Scipio | 375007.87                          | 4736728.17 | 155:10  | 110   | 29:38   | 1778  |
| 484                  | Year-Round Residence | Non-Participating    | Scipio | 374939.22                          | 4736669.29 | 231:32  | 133   | 49:12   | 2952  |
| 488                  | Year-Round Residence | Non-Participating    | Scipio | 375742.09                          | 4736623.57 | 88:48   | 35  | 20:29   | 1229  |
| 489                  | Year-Round Residence | Non-Participating    | Scipio | 376655.28                          | 4736709.73 | 43:38   | 31  | 7:53  | 473   |
| 490                  | Year-Round Residence | Non-Participating    | Scipio | 376574.74                          | 4736803.76 | 22:31   | 29  | 5:08  | 308   |
| 491                  | Year-Round Residence | Non-Participating    | Scipio | 376392.38                          | 4736765.18 | 21:10   | 33  | 6:15  | 375   |
| 492                  | Year-Round Residence | Non-Participating    | Scipio | 376776.58                          | 4736852.19 | 30:18   | 27  | 5:26  | 326   |
| 493                  | Year-Round Residence | Non-Participating    | Scipio | 377049.15                          | 4736677.36 | 13:13   | 24  | 1:54  | 114   |
| 495                  | Year-Round Residence | Non-Participating    | Scipio | 375031.21                          | 4735612.39 | 231:32  | 99  | 50:10   | 3010  |
| 496                  | Year-Round Residence | Non-Participating    | Scipio | 376146.86                          | 4735647.17 | 169:52  | 77  | 43:00   | 2580  |
| 500                  | Year-Round Residence | Non-Participating    | Scipio | 376915.88                          | 4735627.65 | 27:32   | 30  | 6:54  | 414   |
| 501                  | Year-Round Residence | Non-Participating    | Scipio | 376544.86                          | 4735620.45 | 108:00  | 45  | 25:35   | 1535  |
| 502                  | Year-Round Residence | Non-Participating    | Scipio | 377046.68                          | 4735638.14 | 22:22   | 27  | 5:33  | 333   |
| 503                  | Year-Round Residence | Non-Participating    | Scipio | 377399.08                          | 4735755.26 | 0:00  | 0   | 0:00  | 0   |
| 504                  | Year-Round Residence | Non-Participating    | Scipio | 377807.23                          | 4735447.82 | 72:00   | 52  | 10:33   | 633   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 505                  | Year-Round Residence | Non-Participating    | Scipio  | 377791.24                          | 4735544.38 | 67:44   | 50  | 9:26  | 566  |
| 506                  | Year-Round Residence | Non-Participating    | Scipio  | 377928.65                          | 4735032.12 | 44:59   | 51  | 11:24   | 684  |
| 507                  | Year-Round Residence | Non-Participating    | Scipio  | 376657.73                          | 4734976.08 | 113:53  | 95  | 29:11   | 1751   |
| 511                  | Year-Round Residence | Non-Participating    | Venice  | 377390.89                          | 4734710.21 | 0:00  | 0   | 0:00  | 0  |
| 512                  | Year-Round Residence | Non-Participating    | Venice  | 377672.03                          | 4734708.57 | 5:34  | 22  | 1:53  | 113  |
| 513                  | Year-Round Residence | Non-Participating    | Venice  | 377662.14                          | 4734568.90 | 0:00  | 0   | 0:00  | 0  |
| 514                  | Year-Round Residence | Non-Participating    | Venice  | 377842.22                          | 4734505.58 | 0:00  | 0   | 0:00  | 0  |
| 515                  | Year-Round Residence | Non-Participating    | Venice  | 377718.11                          | 4734473.76 | 0:00  | 0   | 0:00  | 0  |
| 520                  | Year-Round Residence | Non-Participating    | Venice  | 378246.23                          | 4734106.95 | 73:48   | 53  | 10:15   | 615  |
| 521                  | Year-Round Residence | Non-Participating    | Venice  | 378460.52                          | 4734061.70 | 38:45   | 43  | 6:03  | 363  |
| 522                  | Year-Round Residence | Non-Participating    | Venice  | 378350.97                          | 4734011.81 | 51:50   | 50  | 8:07  | 487  |
| 524                  | Year-Round Residence | Non-Participating    | Venice  | 378599.67                          | 4733825.60 | 26:19   | 40  | 5:17  | 317  |
| 525                  | Year-Round Residence | Non-Participating    | Venice  | 378864.11                          | 4733616.76 | 16:57   | 32  | 4:14  | 254  |
| 526                  | Year-Round Residence | Non-Participating    | Venice  | 379169.12                          | 4733416.33 | 10:49   | 25  | 3:02  | 182  |
| 529                  | Year-Round Residence | Non-Participating    | Venice  | 379001.19                          | 4733197.89 | 15:38   | 28  | 4:54  | 294  |
| 530                  | Year-Round Residence | Non-Participating    | Venice  | 379130.93                          | 4733084.30 | 13:16   | 25  | 4:17  | 257  |
| 531                  | Year-Round Residence | Non-Participating    | Venice  | 379218.26                          | 4732840.73 | 0:00  | 0   | 0:00  | 0  |
| 532                  | Year-Round Residence | Non-Participating    | Venice  | 379327.75                          | 4732577.12 | 0:00  | 0   | 0:00  | 0  |
| 533                  | Year-Round Residence | Non-Participating    | Venice  | 379283.30                          | 4732667.32 | 0:00  | 0   | 0:00  | 0  |
| 534                  | Year-Round Residence | Non-Participating    | Venice  | 379403.04                          | 4732407.89 | 0:00  | 0   | 0:00  | 0  |
| 535                  | Year-Round Residence | Non-Participating    | Venice  | 379258.15                          | 4732468.73 | 0:00  | 0   | 0:00  | 0  |
| 536                  | Year-Round Residence | Non-Participating    | Venice  | 379094.69                          | 4732411.13 | 0:00  | 0   | 0:00  | 0  |
| 537                  | Year-Round Residence | Non-Participating    | Venice  | 379363.95                          | 4732280.39 | 0:00  | 0   | 0:00  | 0  |
| 538                  | Year-Round Residence | Non-Participating    | Venice  | 379480.39                          | 4732193.56 | 0:00  | 0   | 0:00  | 0  |
| 539                  | Year-Round Residence | Non-Participating    | Venice  | 379546.67                          | 4732144.37 | 0:00  | 0   | 0:00  | 0  |
| 540                  | Year-Round Residence | Non-Participating    | Venice  | 379419.37                          | 4732232.85 | 0:00  | 0   | 0:00  | 0  |
| 541                  | Year-Round Residence | Non-Participating    | Venice  | 379820.43                          | 4731962.69 | 0:00  | 0   | 0:00  | 0  |
| 542                  | Year-Round Residence | Non-Participating    | Venice  | 379695.95                          | 4732085.63 | 0:00  | 0   | 0:00  | 0  |
| 543                  | Year-Round Residence | Non-Participating    | Venice  | 379609.23                          | 4732090.52 | 0:00  | 0   | 0:00  | 0  |
| 544                  | Year-Round Residence | Non-Participating    | Venice  | 379945.84                          | 4731793.24 | 0:00  | 0   | 0:00  | 0  |
| 545                  | Year-Round Residence | Non-Participating    | Venice  | 379981.26                          | 4731686.87 | 0:00  | 0   | 0:00  | 0  |
| 546                  | Year-Round Residence | Non-Participating    | Moravia | 380117.58                          | 4731672.32 | 0:00  | 0   | 0:00  | 0  |
| 547                  | Year-Round Residence | Non-Participating    | Venice  | 380038.60                          | 4731625.49 | 0:00  | 0   | 0:00  | 0  |
| 548                  | Year-Round Residence | Non-Participating    | Moravia | 380253.21                          | 4731640.72 | 0:00  | 0   | 0:00  | 0  |
| 549                  | Year-Round Residence | Non-Participating    | Venice  | 380049.66                          | 4731556.63 | 0:00  | 0   | 0:00  | 0  |
| 550                  | Year-Round Residence | Non-Participating    | Moravia | 380327.64                          | 4731638.96 | 0:00  | 0   | 0:00  | 0  |
| 551                  | Year-Round Residence | Non-Participating    | Moravia | 380387.17                          | 4731622.60 | 0:00  | 0   | 0:00  | 0  |
| 552                  | Year-Round Residence | Non-Participating    | Moravia | 380517.73                          | 4731579.93 | 0:00  | 0   | 0:00  | 0  |
| 553                  | Year-Round Residence | Non-Participating    | Moravia | 380384.41                          | 4731512.45 | 0:00  | 0   | 0:00  | 0  |
| 557                  | Year-Round Residence | Non-Participating    | Venice  | 380052.09                          | 4731414.91 | 0:00  | 0   | 0:00  | 0  |
| 558                  | Year-Round Residence | Non-Participating    | Moravia | 380171.99                          | 4731107.26 | 0:00  | 0   | 0:00  | 0  |
| 559                  | Year-Round Residence | Non-Participating    | Venice  | 380051.70                          | 4731077.43 | 0:00  | 0   | 0:00  | 0  |
| 560                  | Year-Round Residence | Non-Participating    | Venice  | 380070.41                          | 4731133.11 | 0:00  | 0   | 0:00  | 0  |
| 563                  | Year-Round Residence | Non-Participating    | Moravia | 380148.32                          | 4730987.36 | 0:00  | 0   | 0:00  | 0  |
| 564                  | Year-Round Residence | Non-Participating    | Venice  | 380074.55                          | 4730966.22 | 0:00  | 0   | 0:00  | 0  |
| 565                  | Year-Round Residence | Non-Participating    | Venice  | 380050.06                          | 4730919.46 | 0:00  | 0   | 0:00  | 0  |
| 566                  | Year-Round Residence | Non-Participating    | Venice  | 380080.01                          | 4730850.60 | 0:00  | 0   | 0:00  | 0  |
| 567                  | Year-Round Residence | Non-Participating    | Moravia | 380139.31                          | 4730933.04 | 0:00  | 0   | 0:00  | 0  |
| 568                  | Year-Round Residence | Non-Participating    | Moravia | 380156.81                          | 4730878.23 | 0:00  | 0   | 0:00  | 0  |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 569                  | Year-Round Residence | Non-Participating    | Venice | 379948.14                          | 4730792.05 | 0:00  | 0   | 0:00  | 0   |
| 570                  | Year-Round Residence | Non-Participating    | Venice | 380088.55                          | 4730725.12 | 0:00  | 0   | 0:00  | 0   |
| 571                  | Year-Round Residence | Non-Participating    | Venice | 380077.94                          | 4730779.08 | 0:00  | 0   | 0:00  | 0   |
| 572                  | Year-Round Residence | Non-Participating    | Venice | 380089.15                          | 4730505.34 | 0:00  | 0   | 0:00  | 0   |
| 574                  | Year-Round Residence | Non-Participating    | Venice | 376593.51                          | 4734161.61 | 52:44   | 60  | 11:02   | 662   |
| 575                  | Year-Round Residence | Non-Participating    | Venice | 376668.33                          | 4734190.36 | 50:01   | 47  | 10:11   | 611   |
| 577                  | Year-Round Residence | Non-Participating    | Venice | 376703.96                          | 4733873.22 | 49:47   | 40  | 12:30   | 750   |
| 578                  | Year-Round Residence | Non-Participating    | Venice | 376630.83                          | 4733511.46 | 68:02   | 39  | 20:49   | 1249  |
| 582                  | Year-Round Residence | Non-Participating    | Venice | 376807.56                          | 4732982.80 | 54:45   | 44  | 7:21  | 441   |
| 583                  | Year-Round Residence | Non-Participating    | Venice | 376703.75                          | 4732897.46 | 71:27   | 51  | 9:49  | 589   |
| 584                  | Year-Round Residence | Non-Participating    | Venice | 377104.75                          | 4733021.03 | 19:21   | 32  | 2:49  | 169   |
| 585                  | Year-Round Residence | Non-Participating    | Venice | 377197.24                          | 4732976.44 | 14:34   | 29  | 2:23  | 143   |
| 586                  | Year-Round Residence | Non-Participating    | Venice | 377128.42                          | 4732912.35 | 16:57   | 32  | 2:55  | 175   |
| 588                  | Year-Round Residence | Non-Participating    | Venice | 377774.09                          | 4732879.92 | 14:11   | 24  | 1:45  | 105   |
| 589                  | Year-Round Residence | Non-Participating    | Venice | 377821.31                          | 4732791.11 | 19:43   | 25  | 2:34  | 154   |
| 590                  | Year-Round Residence | Non-Participating    | Venice | 377847.66                          | 4732858.86 | 18:06   | 24  | 2:19  | 139   |
| 591                  | Year-Round Residence | Non-Participating    | Venice | 377887.48                          | 4732849.86 | 17:45   | 23  | 2:17  | 137   |
| 592                  | Year-Round Residence | Non-Participating    | Venice | 377903.62                          | 4732762.58 | 13:34   | 23  | 1:51  | 111   |
| 593                  | Year-Round Residence | Non-Participating    | Venice | 377942.47                          | 4732752.01 | 11:23   | 22  | 1:34  | 94  |
| 594                  | Year-Round Residence | Non-Participating    | Venice | 377961.92                          | 4732858.30 | 0:00  | 0   | 0:00  | 0   |
| 595                  | Year-Round Residence | Non-Participating    | Venice | 378031.81                          | 4732844.29 | 0:00  | 0   | 0:00  | 0   |
| 596                  | Year-Round Residence | Non-Participating    | Venice | 378092.86                          | 4732816.17 | 0:00  | 0   | 0:00  | 0   |
| 597                  | Year-Round Residence | Non-Participating    | Venice | 378140.29                          | 4732840.04 | 0:00  | 0   | 0:00  | 0   |
| 598                  | Year-Round Residence | Non-Participating    | Venice | 378195.62                          | 4732811.70 | 0:00  | 0   | 0:00  | 0   |
| 601                  | Year-Round Residence | Non-Participating    | Venice | 378290.06                          | 4732938.80 | 0:00  | 0   | 0:00  | 0   |
| 604                  | Year-Round Residence | Non-Participating    | Venice | 378503.69                          | 4732549.76 | 0:00  | 0   | 0:00  | 0   |
| 605                  | Year-Round Residence | Non-Participating    | Venice | 378964.73                          | 4732608.41 | 0:00  | 0   | 0:00  | 0   |
| 608                  | Year-Round Residence | Non-Participating    | Venice | 377042.60                          | 4732736.57 | 20:52   | 37  | 3:57  | 237   |
| 609                  | Year-Round Residence | Non-Participating    | Venice | 377049.09                          | 4732673.75 | 33:15   | 37  | 5:40  | 340   |
| 610                  | Year-Round Residence | Non-Participating    | Venice | 377067.11                          | 4732036.69 | 126:37  | 70  | 31:12   | 1872  |
| 613                  | Year-Round Residence | Non-Participating    | Venice | 377082.27                          | 4731629.31 | 65:08   | 57  | 21:36   | 1296  |
| 615                  | Year-Round Residence | Non-Participating    | Venice | 377683.41                          | 4731648.39 | 17:26   | 32  | 5:15  | 315   |
| 618                  | Year-Round Residence | Non-Participating    | Venice | 378481.17                          | 4731753.74 | 0:00  | 0   | 0:00  | 0   |
| 620                  | Year-Round Residence | Non-Participating    | Venice | 379402.21                          | 4731828.34 | 0:00  | 0   | 0:00  | 0   |
| 621                  | Year-Round Residence | Non-Participating    | Venice | 379019.02                          | 4731232.57 | 0:00  | 0   | 0:00  | 0   |
| 622                  | Year-Round Residence | Non-Participating    | Venice | 379056.17                          | 4731120.91 | 0:00  | 0   | 0:00  | 0   |
| 623                  | Year-Round Residence | Non-Participating    | Venice | 379112.86                          | 4730897.01 | 0:00  | 0   | 0:00  | 0   |
| 626                  | Year-Round Residence | Non-Participating    | Venice | 379025.01                          | 4730721.60 | 0:00  | 0   | 0:00  | 0   |
| 627                  | Year-Round Residence | Non-Participating    | Venice | 379069.55                          | 4730120.77 | 0:00  | 0   | 0:00  | 0   |
| 628                  | Year-Round Residence | Non-Participating    | Venice | 379238.06                          | 4730068.39 | 0:00  | 0   | 0:00  | 0   |
| 629                  | Year-Round Residence | Non-Participating    | Venice | 379308.52                          | 4730145.22 | 0:00  | 0   | 0:00  | 0   |
| 630                  | Year-Round Residence | Non-Participating    | Venice | 379177.59                          | 4730063.69 | 0:00  | 0   | 0:00  | 0   |
| 635                  | Year-Round Residence | Non-Participating    | Venice | 377143.43                          | 4731488.18 | 12:26   | 26  | 3:46  | 226   |
| 636                  | Year-Round Residence | Non-Participating    | Venice | 377111.10                          | 4730900.97 | 0:00  | 0   | 0:00  | 0   |
| 638                  | Year-Round Residence | Non-Participating    | Venice | 377187.78                          | 4730473.68 | 0:00  | 0   | 0:00  | 0   |
| 639                  | Year-Round Residence | Non-Participating    | Venice | 377177.56                          | 4730583.35 | 0:00  | 0   | 0:00  | 0   |
| 645                  | Year-Round Residence | Non-Participating    | Venice | 377209.87                          | 4730089.36 | 0:00  | 0   | 0:00  | 0   |
| 648                  | Year-Round Residence | Non-Participating    | Venice | 378158.82                          | 4730088.50 | 0:00  | 0   | 0:00  | 0   |
| 651                  | Year-Round Residence | Non-Participating    | Venice | 378627.37                          | 4730467.53 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 652                  | Year-Round Residence | Non-Participating    | Venice | 378627.90                          | 4730413.63 | 0:00  | 0   | 0:00  | 0   |
| 653                  | Year-Round Residence | Non-Participating    | Venice | 378625.27                          | 4730355.69 | 0:00  | 0   | 0:00  | 0   |
| 654                  | Year-Round Residence | Non-Participating    | Venice | 378625.42                          | 4730281.78 | 0:00  | 0   | 0:00  | 0   |
| 655                  | Year-Round Residence | Non-Participating    | Venice | 378622.63                          | 4730187.39 | 0:00  | 0   | 0:00  | 0   |
| 656                  | Year-Round Residence | Non-Participating    | Venice | 378620.09                          | 4730134.07 | 0:00  | 0   | 0:00  | 0   |
| 657                  | Year-Round Residence | Non-Participating    | Venice | 378886.27                          | 4730123.94 | 0:00  | 0   | 0:00  | 0   |
| 658                  | Year-Round Residence | Non-Participating    | Venice | 378710.66                          | 4730010.22 | 0:00  | 0   | 0:00  | 0   |
| 659                  | Year-Round Residence | Non-Participating    | Venice | 378199.52                          | 4729189.92 | 0:00  | 0   | 0:00  | 0   |
| 664                  | Year-Round Residence | Non-Participating    | Venice | 377189.15                          | 4729884.45 | 0:00  | 0   | 0:00  | 0   |
| 670                  | Year-Round Residence | Non-Participating    | Venice | 377145.68                          | 4729609.03 | 0:00  | 0   | 0:00  | 0   |
| 671                  | Year-Round Residence | Non-Participating    | Venice | 377136.49                          | 4729219.93 | 0:00  | 0   | 0:00  | 0   |
| 672                  | Year-Round Residence | Non-Participating    | Scipio | 373751.33                          | 4740767.95 | 0:00  | 0   | 0:00  | 0   |
| 673                  | Year-Round Residence | Non-Participating    | Scipio | 373593.96                          | 4740365.45 | 0:00  | 0   | 0:00  | 0   |
| 674                  | Year-Round Residence | Non-Participating    | Scipio | 374002.17                          | 4739615.65 | 0:00  | 0   | 0:00  | 0   |
| 675                  | Year-Round Residence | Non-Participating    | Scipio | 373772.19                          | 4739547.63 | 0:00  | 0   | 0:00  | 0   |
| 676                  | Year-Round Residence | Non-Participating    | Scipio | 374237.87                          | 4739548.19 | 0:00  | 0   | 0:00  | 0   |
| 677                  | Year-Round Residence | Non-Participating    | Scipio | 374192.31                          | 4739616.21 | 0:00  | 0   | 0:00  | 0   |
| 679                  | Year-Round Residence | Non-Participating    | Scipio | 374559.59                          | 4739622.40 | 0:00  | 0   | 0:00  | 0   |
| 680                  | Year-Round Residence | Non-Participating    | Scipio | 374593.28                          | 4739619.01 | 0:00  | 0   | 0:00  | 0   |
| 682                  | Year-Round Residence | Non-Participating    | Scipio | 372382.31                          | 4740812.30 | 0:00  | 0   | 0:00  | 0   |
| 686                  | Year-Round Residence | Non-Participating    | Scipio | 372485.00                          | 4739857.00 | 0:00  | 0   | 0:00  | 0   |
| 690                  | Year-Round Residence | Non-Participating    | Scipio | 372583.11                          | 4739578.92 | 0:00  | 0   | 0:00  | 0   |
| 691                  | Year-Round Residence | Non-Participating    | Scipio | 372375.07                          | 4739560.78 | 0:00  | 0   | 0:00  | 0   |
| 692                  | Year-Round Residence | Non-Participating    | Scipio | 372416.23                          | 4739551.40 | 0:00  | 0   | 0:00  | 0   |
| 696                  | Year-Round Residence | Non-Participating    | Scipio | 373521.24                          | 4739591.61 | 0:00  | 0   | 0:00  | 0   |
| 697                  | Year-Round Residence | Non-Participating    | Scipio | 373478.20                          | 4739592.76 | 0:00  | 0   | 0:00  | 0   |
| 704                  | Year-Round Residence | Non-Participating    | Scipio | 372493.88                          | 4739258.69 | 0:00  | 0   | 0:00  | 0   |
| 706                  | Year-Round Residence | Non-Participating    | Scipio | 372428.89                          | 4739083.59 | 0:00  | 0   | 0:00  | 0   |
| 707                  | Year-Round Residence | Non-Participating    | Scipio | 372523.75                          | 4738792.38 | 0:00  | 0   | 0:00  | 0   |
| 712                  | Year-Round Residence | Non-Participating    | Scipio | 372511.71                          | 4738311.56 | 0:00  | 0   | 0:00  | 0   |
| 713                  | Year-Round Residence | Non-Participating    | Scipio | 372513.14                          | 4738267.39 | 0:00  | 0   | 0:00  | 0   |
| 714                  | Year-Round Residence | Non-Participating    | Scipio | 372515.61                          | 4738212.16 | 0:00  | 0   | 0:00  | 0   |
| 715                  | Year-Round Residence | Non-Participating    | Scipio | 372516.13                          | 4738186.32 | 0:00  | 0   | 0:00  | 0   |
| 716                  | Year-Round Residence | Non-Participating    | Scipio | 372511.99                          | 4738126.20 | 0:00  | 0   | 0:00  | 0   |
| 719                  | Year-Round Residence | Non-Participating    | Scipio | 372431.11                          | 4738039.69 | 0:00  | 0   | 0:00  | 0   |
| 723                  | Year-Round Residence | Non-Participating    | Scipio | 372450.31                          | 4737940.26 | 0:00  | 0   | 0:00  | 0   |
| 724                  | Year-Round Residence | Non-Participating    | Scipio | 372469.28                          | 4737922.09 | 0:00  | 0   | 0:00  | 0   |
| 725                  | Year-Round Residence | Non-Participating    | Scipio | 372578.41                          | 4737936.85 | 0:00  | 0   | 0:00  | 0   |
| 726                  | Year-Round Residence | Non-Participating    | Scipio | 372520.46                          | 4737989.60 | 0:00  | 0   | 0:00  | 0   |
| 727                  | Year-Round Residence | Non-Participating    | Scipio | 372634.62                          | 4737938.55 | 0:00  | 0   | 0:00  | 0   |
| 728                  | Year-Round Residence | Non-Participating    | Scipio | 372612.28                          | 4737937.47 | 0:00  | 0   | 0:00  | 0   |
| 729                  | Year-Round Residence | Non-Participating    | Scipio | 372639.18                          | 4737994.15 | 0:00  | 0   | 0:00  | 0   |
| 733                  | Year-Round Residence | Non-Participating    | Scipio | 372686.52                          | 4737991.00 | 0:00  | 0   | 0:00  | 0   |
| 734                  | Year-Round Residence | Non-Participating    | Scipio | 372677.87                          | 4737930.72 | 0:00  | 0   | 0:00  | 0   |
| 735                  | Year-Round Residence | Non-Participating    | Scipio | 372721.40                          | 4737938.18 | 0:00  | 0   | 0:00  | 0   |
| 736                  | Year-Round Residence | Non-Participating    | Scipio | 372760.56                          | 4737993.37 | 0:00  | 0   | 0:00  | 0   |
| 737                  | Year-Round Residence | Non-Participating    | Scipio | 372830.88                          | 4737998.57 | 0:00  | 0   | 0:00  | 0   |
| 739                  | Year-Round Residence | Non-Participating    | Scipio | 372838.18                          | 4737933.23 | 0:00  | 0   | 0:00  | 0   |
| 741                  | Year-Round Residence | Non-Participating    | Scipio | 372914.97                          | 4737988.72 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 742                  | Year-Round Residence | Non-Participating    | Scipio | 372889.15                          | 4737936.03 | 0:00  | 0   | 0:00  | 0   |
| 743                  | Year-Round Residence | Non-Participating    | Scipio | 372999.13                          | 4737942.75 | 8:27  | 24  | 2:00  | 120   |
| 744                  | Year-Round Residence | Non-Participating    | Scipio | 373055.90                          | 4737934.41 | 9:17  | 25  | 2:12  | 132   |
| 745                  | Year-Round Residence | Non-Participating    | Scipio | 373103.70                          | 4737941.79 | 9:49  | 26  | 2:19  | 139   |
| 747                  | Year-Round Residence | Non-Participating    | Scipio | 373305.95                          | 4737947.52 | 27:56   | 29  | 5:57  | 357   |
| 749                  | Year-Round Residence | Non-Participating    | Scipio | 373354.28                          | 4738009.81 | 34:47   | 30  | 7:09  | 429   |
| 753                  | Year-Round Residence | Non-Participating    | Scipio | 373808.43                          | 4737955.68 | 50:46   | 48  | 11:08   | 668   |
| 758                  | Year-Round Residence | Non-Participating    | Scipio | 374175.98                          | 4738031.44 | 106:51  | 82  | 20:08   | 1208  |
| 760                  | Year-Round Residence | Non-Participating    | Scipio | 374440.94                          | 4738036.46 | 56:29   | 73  | 10:01   | 601   |
| 763                  | Year-Round Residence | Non-Participating    | Scipio | 372458.81                          | 4737892.80 | 0:00  | 0   | 0:00  | 0   |
| 764                  | Year-Round Residence | Non-Participating    | Scipio | 372520.83                          | 4737814.92 | 0:00  | 0   | 0:00  | 0   |
| 765                  | Year-Round Residence | Non-Participating    | Scipio | 372465.00                          | 4737846.83 | 0:00  | 0   | 0:00  | 0   |
| 769                  | Year-Round Residence | Non-Participating    | Scipio | 372476.22                          | 4737763.30 | 0:00  | 0   | 0:00  | 0   |
| 770                  | Year-Round Residence | Non-Participating    | Scipio | 372473.50                          | 4737712.43 | 0:00  | 0   | 0:00  | 0   |
| 771                  | Year-Round Residence | Non-Participating    | Scipio | 372527.93                          | 4737734.99 | 0:00  | 0   | 0:00  | 0   |
| 773                  | Year-Round Residence | Non-Participating    | Scipio | 372478.65                          | 4737599.25 | 25:58   | 35  | 4:33  | 273   |
| 774                  | Year-Round Residence | Non-Participating    | Scipio | 372480.04                          | 4737556.02 | 35:44   | 39  | 6:22  | 382   |
| 775                  | Year-Round Residence | Non-Participating    | Scipio | 372435.83                          | 4737561.25 | 37:56   | 38  | 6:47  | 407   |
| 777                  | Year-Round Residence | Non-Participating    | Scipio | 372483.31                          | 4737507.24 | 45:06   | 40  | 8:07  | 487   |
| 779                  | Year-Round Residence | Non-Participating    | Scipio | 372560.91                          | 4736967.97 | 136:29  | 89  | 27:04   | 1624  |
| 780                  | Year-Round Residence | Non-Participating    | Scipio | 372548.55                          | 4737140.96 | 132:55  | 84  | 23:52   | 1432  |
| 785                  | Year-Round Residence | Non-Participating    | Scipio | 372497.81                          | 4736650.08 | 174:20  | 67  | 44:04   | 2644  |
| 786                  | Year-Round Residence | Non-Participating    | Scipio | 372554.51                          | 4736551.55 | 151:09  | 62  | 40:54   | 2454  |
| 787                  | Year-Round Residence | Non-Participating    | Scipio | 372574.58                          | 4736372.75 | 118:07  | 59  | 37:04   | 2224  |
| 788                  | Year-Round Residence | Non-Participating    | Scipio | 372506.73                          | 4736207.67 | 29:59   | 39  | 7:35  | 455   |
| 789                  | Year-Round Residence | Non-Participating    | Scipio | 372538.19                          | 4735839.04 | 0:00  | 0   | 0:00  | 0   |
| 790                  | Year-Round Residence | Non-Participating    | Scipio | 373185.29                          | 4735915.59 | 47:39   | 37  | 13:24   | 804   |
| 791                  | Year-Round Residence | Non-Participating    | Scipio | 373074.74                          | 4735843.27 | 0:00  | 0   | 0:00  | 0   |
| 792                  | Year-Round Residence | Non-Participating    | Scipio | 373337.00                          | 4735832.49 | 43:25   | 34  | 11:39   | 699   |
| 793                  | Year-Round Residence | Non-Participating    | Scipio | 373684.57                          | 4735938.55 | 55:06   | 35  | 12:05   | 725   |
| 794                  | Year-Round Residence | Non-Participating    | Scipio | 373951.61                          | 4737236.92 | 145:07  | 59  | 30:18   | 1818  |
| 795                  | Year-Round Residence | Non-Participating    | Scipio | 373910.82                          | 4737146.69 | 168:08  | 57  | 36:26   | 2186  |
| 796                  | Year-Round Residence | Non-Participating    | Scipio | 374221.46                          | 4735486.15 | 112:30  | 63  | 25:18   | 1518  |
| 797                  | Year-Round Residence | Non-Participating    | Scipio | 374168.89                          | 4735587.85 | 108:56  | 55  | 22:27   | 1347  |
| 802                  | Year-Round Residence | Non-Participating    | Venice | 374907.98                          | 4733958.24 | 69:30   | 60  | 18:56   | 1136  |
| 805                  | Year-Round Residence | Non-Participating    | Venice | 375026.12                          | 4733664.81 | 98:53   | 57  | 24:56   | 1496  |
| 806                  | Year-Round Residence | Non-Participating    | Venice | 375114.80                          | 4733552.03 | 64:40   | 60  | 17:02   | 1022  |
| 807                  | Year-Round Residence | Non-Participating    | Venice | 375108.29                          | 4733619.37 | 106:35  | 65  | 27:37   | 1657  |
| 808                  | Year-Round Residence | Non-Participating    | Venice | 375053.87                          | 4733526.34 | 62:02   | 55  | 16:24   | 984   |
| 809                  | Year-Round Residence | Non-Participating    | Venice | 375165.68                          | 4733296.26 | 27:10   | 31  | 5:34  | 334   |
| 810                  | Year-Round Residence | Non-Participating    | Venice | 375111.95                          | 4733266.67 | 37:59   | 33  | 7:47  | 467   |
| 811                  | Year-Round Residence | Non-Participating    | Venice | 375129.95                          | 4733223.44 | 42:35   | 34  | 8:38  | 518   |
| 812                  | Year-Round Residence | Non-Participating    | Venice | 375216.01                          | 4733158.13 | 47:43   | 37  | 9:25  | 565   |
| 817                  | Year-Round Residence | Non-Participating    | Venice | 375266.84                          | 4732966.56 | 37:40   | 41  | 7:32  | 452   |
| 819                  | Year-Round Residence | Non-Participating    | Venice | 375368.69                          | 4733021.58 | 60:31   | 44  | 11:06   | 666   |
| 820                  | Year-Round Residence | Non-Participating    | Venice | 375401.74                          | 4732978.32 | 72:47   | 50  | 13:09   | 789   |
| 822                  | Year-Round Residence | Non-Participating    | Venice | 375183.00                          | 4732895.90 | 28:11   | 39  | 6:20  | 380   |
| 826                  | Year-Round Residence | Non-Participating    | Venice | 375925.93                          | 4733038.83 | 0:00  | 0   | 0:00  | 0   |
| 827                  | Year-Round Residence | Non-Participating    | Venice | 376207.34                          | 4732965.22 | 34:36   | 22  | 6:49  | 409   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 829                  | Year-Round Residence | Non-Participating    | Venice | 375277.07                          | 4732794.35 | 79:41   | 46  | 14:48   | 888  |
| 830                  | Year-Round Residence | Non-Participating    | Venice | 375319.61                          | 4732852.63 | 84:06   | 50  | 15:29   | 929  |
| 831                  | Year-Round Residence | Non-Participating    | Venice | 375354.48                          | 4732772.84 | 90:30   | 57  | 17:18   | 1038   |
| 835                  | Year-Round Residence | Non-Participating    | Venice | 375344.68                          | 4732619.86 | 108:41  | 60  | 20:51   | 1251   |
| 839                  | Year-Round Residence | Non-Participating    | Venice | 375433.68                          | 4731653.44 | 161:59  | 105   | 43:18   | 2598   |
| 853                  | Year-Round Residence | Non-Participating    | Venice | 375705.30                          | 4730990.51 | 0:00  | 0   | 0:00  | 0  |
| 854                  | Year-Round Residence | Non-Participating    | Venice | 375779.95                          | 4730574.81 | 0:00  | 0   | 0:00  | 0  |
| 855                  | Year-Round Residence | Non-Participating    | Venice | 376137.98                          | 4730055.92 | 0:00  | 0   | 0:00  | 0  |
| 859                  | Year-Round Residence | Non-Participating    | Venice | 375827.90                          | 4729868.11 | 0:00  | 0   | 0:00  | 0  |
| 860                  | Year-Round Residence | Non-Participating    | Venice | 376084.55                          | 4729222.10 | 0:00  | 0   | 0:00  | 0  |
| 861                  | Year-Round Residence | Non-Participating    | Venice | 376139.57                          | 4728867.53 | 0:00  | 0   | 0:00  | 0  |
| 863                  | Year-Round Residence | Non-Participating    | Venice | 376187.16                          | 4728523.95 | 0:00  | 0   | 0:00  | 0  |
| 864                  | Year-Round Residence | Non-Participating    | Venice | 376134.79                          | 4728559.72 | 0:00  | 0   | 0:00  | 0  |
| 866                  | Year-Round Residence | Non-Participating    | Venice | 376094.75                          | 4728297.67 | 0:00  | 0   | 0:00  | 0  |
| 871                  | Year-Round Residence | Non-Participating    | Scipio | 372709.38                          | 4735422.95 | 25:27   | 30  | 4:27  | 267  |
| 872                  | Year-Round Residence | Non-Participating    | Scipio | 372709.18                          | 4735194.33 | 24:38   | 33  | 4:42  | 282  |
| 875                  | Year-Round Residence | Non-Participating    | Scipio | 372591.73                          | 4734882.41 | 31:12   | 32  | 6:35  | 395  |
| 876                  | Year-Round Residence | Non-Participating    | Venice | 373039.66                          | 4734776.69 | 43:52   | 51  | 10:47   | 647  |
| 877                  | Year-Round Residence | Non-Participating    | Venice | 372685.62                          | 4733910.32 | 29:08   | 36  | 7:19  | 439  |
| 879                  | Year-Round Residence | Non-Participating    | Venice | 372666.33                          | 4733845.43 | 21:04   | 36  | 5:22  | 322  |
| 880                  | Year-Round Residence | Non-Participating    | Venice | 372567.31                          | 4733537.57 | 21:16   | 33  | 5:25  | 325  |
| 885                  | Year-Round Residence | Non-Participating    | Venice | 372557.14                          | 4733289.33 | 40:14   | 33  | 10:30   | 630  |
| 886                  | Year-Round Residence | Non-Participating    | Venice | 372556.04                          | 4733242.62 | 37:05   | 32  | 9:43  | 583  |
| 887                  | Year-Round Residence | Non-Participating    | Venice | 372563.78                          | 4733208.31 | 31:42   | 33  | 8:18  | 498  |
| 888                  | Year-Round Residence | Non-Participating    | Venice | 372554.22                          | 4733180.93 | 26:52   | 32  | 7:02  | 422  |
| 890                  | Year-Round Residence | Non-Participating    | Venice | 372592.18                          | 4733112.54 | 6:00  | 17  | 1:32  | 92   |
| 891                  | Year-Round Residence | Non-Participating    | Venice | 372597.84                          | 4733085.32 | 0:00  | 0   | 0:00  | 0  |
| 892                  | Year-Round Residence | Non-Participating    | Venice | 372635.66                          | 4733138.84 | 7:02  | 19  | 1:48  | 108  |
| 893                  | Year-Round Residence | Non-Participating    | Venice | 372639.17                          | 4733091.16 | 0:00  | 0   | 0:00  | 0  |
| 894                  | Year-Round Residence | Non-Participating    | Venice | 372643.58                          | 4733067.49 | 0:00  | 0   | 0:00  | 0  |
| 895                  | Year-Round Residence | Non-Participating    | Venice | 372669.08                          | 4732993.39 | 0:00  | 0   | 0:00  | 0  |
| 898                  | Year-Round Residence | Non-Participating    | Venice | 372837.34                          | 4732902.14 | 0:00  | 0   | 0:00  | 0  |
| 900                  | Year-Round Residence | Non-Participating    | Venice | 373267.68                          | 4733011.05 | 23:49   | 29  | 4:08  | 248  |
| 901                  | Year-Round Residence | Non-Participating    | Venice | 373343.03                          | 4732903.87 | 32:38   | 31  | 5:47  | 347  |
| 906                  | Year-Round Residence | Non-Participating    | Venice | 373751.96                          | 4732983.28 | 12:30   | 25  | 2:21  | 141  |
| 908                  | Year-Round Residence | Non-Participating    | Venice | 374236.89                          | 4732939.33 | 31:22   | 36  | 5:32  | 332  |
| 909                  | Year-Round Residence | Non-Participating    | Venice | 374416.57                          | 4732998.69 | 0:00  | 0   | 0:00  | 0  |
| 910                  | Year-Round Residence | Non-Participating    | Venice | 374428.35                          | 4733016.38 | 0:00  | 0   | 0:00  | 0  |
| 911                  | Year-Round Residence | Non-Participating    | Venice | 374847.07                          | 4733033.74 | 27:04   | 29  | 7:30  | 450  |
| 916                  | Year-Round Residence | Non-Participating    | Venice | 372829.83                          | 4732213.83 | 9:51  | 25  | 2:28  | 148  |
| 917                  | Year-Round Residence | Non-Participating    | Venice | 372742.38                          | 4732221.63 | 8:51  | 23  | 2:13  | 133  |
| 918                  | Year-Round Residence | Non-Participating    | Venice | 372822.67                          | 4732087.60 | 10:06   | 25  | 2:35  | 155  |
| 919                  | Year-Round Residence | Non-Participating    | Venice | 372982.53                          | 4731811.62 | 15:06   | 27  | 3:44  | 224  |
| 922                  | Year-Round Residence | Non-Participating    | Venice | 373100.98                          | 4731704.26 | 22:35   | 29  | 5:48  | 348  |
| 923                  | Year-Round Residence | Non-Participating    | Venice | 373055.62                          | 4731591.88 | 76:13   | 45  | 17:34   | 1054   |
| 924                  | Year-Round Residence | Non-Participating    | Venice | 373090.77                          | 4731580.96 | 74:18   | 46  | 17:17   | 1037   |
| 930                  | Year-Round Residence | Non-Participating    | Venice | 373553.30                          | 4731613.11 | 0:00  | 0   | 0:00  | 0  |
| 931                  | Year-Round Residence | Non-Participating    | Venice | 373764.63                          | 4731618.96 | 30:18   | 28  | 7:58  | 478  |
| 932                  | Year-Round Residence | Non-Participating    | Venice | 373800.11                          | 4731540.05 | 21:14   | 28  | 5:33  | 333  |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 933                  | Year-Round Residence | Non-Participating    | Venice | 373961.25                          | 4731621.47 | 25:04   | 32  | 6:34  | 394   |
| 934                  | Year-Round Residence | Non-Participating    | Venice | 374117.12                          | 4731627.46 | 7:13  | 18  | 1:51  | 111   |
| 935                  | Year-Round Residence | Non-Participating    | Venice | 374326.19                          | 4731562.59 | 26:42   | 39  | 3:28  | 208   |
| 936                  | Year-Round Residence | Non-Participating    | Venice | 374660.72                          | 4731649.70 | 40:10   | 29  | 7:09  | 429   |
| 938                  | Year-Round Residence | Non-Participating    | Venice | 374712.92                          | 4731487.62 | 33:59   | 30  | 7:02  | 422   |
| 939                  | Year-Round Residence | Non-Participating    | Venice | 374996.64                          | 4731640.06 | 39:00   | 43  | 9:08  | 548   |
| 940                  | Year-Round Residence | Non-Participating    | Venice | 375030.96                          | 4731556.61 | 46:39   | 41  | 11:14   | 674   |
| 941                  | Year-Round Residence | Non-Participating    | Venice | 375080.37                          | 4731582.55 | 50:10   | 43  | 12:08   | 728   |
| 942                  | Year-Round Residence | Non-Participating    | Venice | 373065.32                          | 4731455.36 | 91:19   | 50  | 19:06   | 1146  |
| 944                  | Year-Round Residence | Non-Participating    | Venice | 373108.64                          | 4731276.61 | 60:57   | 58  | 14:19   | 859   |
| 945                  | Year-Round Residence | Non-Participating    | Venice | 372998.17                          | 4731232.32 | 43:45   | 51  | 10:57   | 657   |
| 946                  | Year-Round Residence | Non-Participating    | Venice | 373281.23                          | 4730707.63 | 0:00  | 0   | 0:00  | 0   |
| 949                  | Year-Round Residence | Non-Participating    | Venice | 373454.13                          | 4730339.13 | 0:00  | 0   | 0:00  | 0   |
| 950                  | Year-Round Residence | Non-Participating    | Venice | 373513.16                          | 4730245.92 | 0:00  | 0   | 0:00  | 0   |
| 951                  | Year-Round Residence | Non-Participating    | Venice | 375121.88                          | 4730855.12 | 6:00  | 18  | 1:35  | 95  |
| 958                  | Year-Round Residence | Non-Participating    | Venice | 373427.79                          | 4730045.06 | 0:00  | 0   | 0:00  | 0   |
| 959                  | Year-Round Residence | Non-Participating    | Venice | 373764.55                          | 4730062.23 | 0:00  | 0   | 0:00  | 0   |
| 960                  | Year-Round Residence | Non-Participating    | Venice | 373644.54                          | 4729935.02 | 0:00  | 0   | 0:00  | 0   |
| 961                  | Year-Round Residence | Non-Participating    | Venice | 373763.67                          | 4729799.06 | 0:00  | 0   | 0:00  | 0   |
| 962                  | Year-Round Residence | Non-Participating    | Venice | 373813.04                          | 4729475.92 | 0:00  | 0   | 0:00  | 0   |
| 966                  | Year-Round Residence | Non-Participating    | Venice | 374049.59                          | 4728848.78 | 0:00  | 0   | 0:00  | 0   |
| 967                  | Year-Round Residence | Non-Participating    | Venice | 374010.11                          | 4728714.02 | 0:00  | 0   | 0:00  | 0   |
| 973                  | Year-Round Residence | Non-Participating    | Venice | 374147.12                          | 4728456.35 | 0:00  | 0   | 0:00  | 0   |
| 975                  | Year-Round Residence | Non-Participating    | Venice | 374427.97                          | 4728254.59 | 0:00  | 0   | 0:00  | 0   |
| 976                  | Year-Round Residence | Non-Participating    | Venice | 374499.57                          | 4727588.59 | 0:00  | 0   | 0:00  | 0   |
| 977                  | Year-Round Residence | Non-Participating    | Venice | 374528.05                          | 4727540.76 | 0:00  | 0   | 0:00  | 0   |
| 978                  | Year-Round Residence | Non-Participating    | Venice | 374410.04                          | 4727545.45 | 0:00  | 0   | 0:00  | 0   |
| 979                  | Year-Round Residence | Non-Participating    | Venice | 374456.43                          | 4727447.51 | 0:00  | 0   | 0:00  | 0   |
| 985                  | Year-Round Residence | Non-Participating    | Venice | 374677.55                          | 4727550.41 | 0:00  | 0   | 0:00  | 0   |
| 986                  | Year-Round Residence | Non-Participating    | Venice | 374593.06                          | 4727546.59 | 0:00  | 0   | 0:00  | 0   |
| 987                  | Year-Round Residence | Non-Participating    | Venice | 374724.84                          | 4727671.09 | 0:00  | 0   | 0:00  | 0   |
| 989                  | Year-Round Residence | Non-Participating    | Scipio | 370635.99                          | 4740556.00 | 0:00  | 0   | 0:00  | 0   |
| 990                  | Year-Round Residence | Non-Participating    | Scipio | 370698.10                          | 4740558.67 | 0:00  | 0   | 0:00  | 0   |
| 991                  | Year-Round Residence | Non-Participating    | Scipio | 370628.23                          | 4740466.57 | 0:00  | 0   | 0:00  | 0   |
| 992                  | Year-Round Residence | Non-Participating    | Scipio | 370634.28                          | 4740209.25 | 0:00  | 0   | 0:00  | 0   |
| 994                  | Year-Round Residence | Non-Participating    | Scipio | 370578.79                          | 4739860.96 | 0:00  | 0   | 0:00  | 0   |
| 998                  | Year-Round Residence | Non-Participating    | Scipio | 370350.80                          | 4739781.42 | 0:00  | 0   | 0:00  | 0   |
| 999                  | Year-Round Residence | Non-Participating    | Scipio | 370198.64                          | 4739804.76 | 0:00  | 0   | 0:00  | 0   |
| 1000                 | Year-Round Residence | Non-Participating    | Scipio | 370071.45                          | 4739658.07 | 0:00  | 0   | 0:00  | 0   |
| 1001                 | Year-Round Residence | Non-Participating    | Scipio | 369882.41                          | 4739710.88 | 0:00  | 0   | 0:00  | 0   |
| 1002                 | Year-Round Residence | Non-Participating    | Scipio | 369531.59                          | 4739751.06 | 0:00  | 0   | 0:00  | 0   |
| 1004                 | Year-Round Residence | Non-Participating    | Scipio | 370522.33                          | 4739516.89 | 0:00  | 0   | 0:00  | 0   |
| 1005                 | Year-Round Residence | Non-Participating    | Scipio | 370528.91                          | 4739355.01 | 0:00  | 0   | 0:00  | 0   |
| 1006                 | Year-Round Residence | Non-Participating    | Scipio | 370517.17                          | 4739465.89 | 0:00  | 0   | 0:00  | 0   |
| 1007                 | Year-Round Residence | Non-Participating    | Scipio | 370821.72                          | 4739460.53 | 0:00  | 0   | 0:00  | 0   |
| 1009                 | Year-Round Residence | Non-Participating    | Scipio | 371354.10                          | 4739524.57 | 0:00  | 0   | 0:00  | 0   |
| 1010                 | Year-Round Residence | Non-Participating    | Scipio | 371862.43                          | 4739542.54 | 0:00  | 0   | 0:00  | 0   |
| 1011                 | Year-Round Residence | Non-Participating    | Scipio | 370523.87                          | 4739200.23 | 0:00  | 0   | 0:00  | 0   |
| 1012                 | Year-Round Residence | Non-Participating    | Scipio | 370541.50                          | 4739143.51 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1015                 | Year-Round Residence | Non-Participating    | Scipio | 370544.70                          | 4738981.30 | 0:00  | 0   | 0:00  | 0   |
| 1016                 | Year-Round Residence | Non-Participating    | Scipio | 370540.26                          | 4738900.02 | 0:00  | 0   | 0:00  | 0   |
| 1017                 | Year-Round Residence | Non-Participating    | Scipio | 370536.77                          | 4738798.84 | 0:00  | 0   | 0:00  | 0   |
| 1018                 | Year-Round Residence | Non-Participating    | Scipio | 370472.45                          | 4738704.63 | 0:00  | 0   | 0:00  | 0   |
| 1020                 | Year-Round Residence | Non-Participating    | Scipio | 370452.63                          | 4738107.00 | 0:00  | 0   | 0:00  | 0   |
| 1021                 | Year-Round Residence | Non-Participating    | Scipio | 370473.55                          | 4738175.43 | 0:00  | 0   | 0:00  | 0   |
| 1024                 | Year-Round Residence | Non-Participating    | Scipio | 370349.66                          | 4737924.26 | 0:00  | 0   | 0:00  | 0   |
| 1025                 | Year-Round Residence | Non-Participating    | Scipio | 370352.04                          | 4737853.18 | 0:00  | 0   | 0:00  | 0   |
| 1026                 | Year-Round Residence | Non-Participating    | Scipio | 370434.60                          | 4737917.10 | 0:00  | 0   | 0:00  | 0   |
| 1027                 | Year-Round Residence | Non-Participating    | Scipio | 370681.79                          | 4737939.76 | 0:00  | 0   | 0:00  | 0   |
| 1028                 | Year-Round Residence | Non-Participating    | Scipio | 370688.43                          | 4737855.88 | 0:00  | 0   | 0:00  | 0   |
| 1029                 | Year-Round Residence | Non-Participating    | Scipio | 370790.55                          | 4737930.56 | 0:00  | 0   | 0:00  | 0   |
| 1031                 | Year-Round Residence | Non-Participating    | Scipio | 371148.25                          | 4737953.00 | 0:00  | 0   | 0:00  | 0   |
| 1032                 | Year-Round Residence | Non-Participating    | Scipio | 371119.04                          | 4737893.65 | 0:00  | 0   | 0:00  | 0   |
| 1035                 | Year-Round Residence | Non-Participating    | Scipio | 371586.89                          | 4737971.67 | 0:00  | 0   | 0:00  | 0   |
| 1036                 | Year-Round Residence | Non-Participating    | Scipio | 371426.94                          | 4737962.80 | 0:00  | 0   | 0:00  | 0   |
| 1038                 | Year-Round Residence | Non-Participating    | Scipio | 372080.17                          | 4737926.23 | 6:44  | 18  | 1:05  | 65  |
| 1039                 | Year-Round Residence | Non-Participating    | Scipio | 372108.01                          | 4737927.29 | 3:53  | 14  | 0:35  | 35  |
| 1040                 | Year-Round Residence | Non-Participating    | Scipio | 372193.09                          | 4737927.02 | 0:00  | 0   | 0:00  | 0   |
| 1041                 | Year-Round Residence | Non-Participating    | Scipio | 372223.67                          | 4737890.14 | 0:00  | 0   | 0:00  | 0   |
| 1042                 | Year-Round Residence | Non-Participating    | Scipio | 372273.70                          | 4737934.69 | 0:00  | 0   | 0:00  | 0   |
| 1043                 | Year-Round Residence | Non-Participating    | Scipio | 372294.81                          | 4737938.87 | 0:00  | 0   | 0:00  | 0   |
| 1044                 | Year-Round Residence | Non-Participating    | Scipio | 372335.35                          | 4737938.96 | 0:00  | 0   | 0:00  | 0   |
| 1045                 | Year-Round Residence | Non-Participating    | Scipio | 372417.82                          | 4737940.46 | 0:00  | 0   | 0:00  | 0   |
| 1048                 | Year-Round Residence | Non-Participating    | Scipio | 370362.13                          | 4737411.30 | 0:00  | 0   | 0:00  | 0   |
| 1049                 | Year-Round Residence | Non-Participating    | Scipio | 370431.96                          | 4737296.15 | 0:00  | 0   | 0:00  | 0   |
| 1050                 | Year-Round Residence | Non-Participating    | Scipio | 370397.68                          | 4737235.04 | 0:00  | 0   | 0:00  | 0   |
| 1054                 | Year-Round Residence | Non-Participating    | Scipio | 370479.10                          | 4736941.43 | 9:27  | 25  | 2:14  | 134   |
| 1055                 | Year-Round Residence | Non-Participating    | Scipio | 370489.17                          | 4736866.29 | 9:38  | 25  | 2:22  | 142   |
| 1056                 | Year-Round Residence | Non-Participating    | Scipio | 370508.69                          | 4736803.33 | 10:09   | 26  | 2:33  | 153   |
| 1057                 | Year-Round Residence | Non-Participating    | Scipio | 370612.52                          | 4736211.42 | 16:34   | 28  | 4:14  | 254   |
| 1059                 | Year-Round Residence | Non-Participating    | Scipio | 370651.64                          | 4736150.12 | 21:13   | 28  | 5:33  | 333   |
| 1060                 | Year-Round Residence | Non-Participating    | Scipio | 370737.30                          | 4735824.12 | 0:00  | 0   | 0:00  | 0   |
| 1061                 | Year-Round Residence | Non-Participating    | Scipio | 370796.17                          | 4735753.47 | 0:00  | 0   | 0:00  | 0   |
| 1068                 | Year-Round Residence | Non-Participating    | Scipio | 370984.92                          | 4735784.99 | 0:00  | 0   | 0:00  | 0   |
| 1069                 | Year-Round Residence | Non-Participating    | Scipio | 370941.32                          | 4735776.20 | 0:00  | 0   | 0:00  | 0   |
| 1071                 | Year-Round Residence | Non-Participating    | Scipio | 371627.95                          | 4735862.12 | 0:00  | 0   | 0:00  | 0   |
| 1072                 | Year-Round Residence | Non-Participating    | Scipio | 371852.44                          | 4735915.93 | 0:00  | 0   | 0:00  | 0   |
| 1077                 | Year-Round Residence | Non-Participating    | Scipio | 372351.38                          | 4735665.18 | 0:00  | 0   | 0:00  | 0   |
| 1078                 | Year-Round Residence | Non-Participating    | Scipio | 370668.53                          | 4735769.92 | 0:00  | 0   | 0:00  | 0   |
| 1079                 | Year-Round Residence | Non-Participating    | Scipio | 370822.45                          | 4735679.32 | 0:00  | 0   | 0:00  | 0   |
| 1080                 | Year-Round Residence | Non-Participating    | Scipio | 370834.95                          | 4735677.92 | 0:00  | 0   | 0:00  | 0   |
| 1081                 | Year-Round Residence | Non-Participating    | Scipio | 370851.09                          | 4735668.58 | 0:00  | 0   | 0:00  | 0   |
| 1082                 | Year-Round Residence | Non-Participating    | Scipio | 370854.12                          | 4735658.91 | 0:00  | 0   | 0:00  | 0   |
| 1092                 | Year-Round Residence | Non-Participating    | Scipio | 370825.53                          | 4734806.52 | 0:00  | 0   | 0:00  | 0   |
| 1095                 | Year-Round Residence | Non-Participating    | Scipio | 371580.56                          | 4734816.77 | 0:00  | 0   | 0:00  | 0   |
| 1096                 | Year-Round Residence | Non-Participating    | Scipio | 371762.93                          | 4734798.49 | 11:31   | 25  | 2:38  | 158   |
| 1099                 | Year-Round Residence | Non-Participating    | Scipio | 371974.17                          | 4734843.08 | 16:27   | 28  | 3:22  | 202   |
| 1100                 | Year-Round Residence | Non-Participating    | Venice | 371821.36                          | 4734713.17 | 12:10   | 26  | 2:51  | 171   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 1103                 | Year-Round Residence | Non-Participating    | Scipio | 372296.40                          | 4734835.13 | 54:10   | 36  | 10:43   | 643  |
| 1104                 | Year-Round Residence | Non-Participating    | Venice | 370896.40                          | 4734478.04 | 0:00  | 0   | 0:00  | 0  |
| 1107                 | Year-Round Residence | Non-Participating    | Venice | 370847.21                          | 4734272.15 | 0:00  | 0   | 0:00  | 0  |
| 1108                 | Year-Round Residence | Non-Participating    | Venice | 370879.40                          | 4733951.64 | 0:00  | 0   | 0:00  | 0  |
| 1113                 | Year-Round Residence | Non-Participating    | Venice | 370936.50                          | 4733488.98 | 0:00  | 0   | 0:00  | 0  |
| 1116                 | Year-Round Residence | Non-Participating    | Venice | 372285.65                          | 4732919.49 | 0:00  | 0   | 0:00  | 0  |
| 1117                 | Year-Round Residence | Non-Participating    | Venice | 372321.22                          | 4732954.31 | 2:38  | 11  | 0:40  | 40   |
| 1118                 | Year-Round Residence | Non-Participating    | Venice | 372300.82                          | 4733098.03 | 26:56   | 27  | 7:04  | 424  |
| 1119                 | Year-Round Residence | Non-Participating    | Venice | 372374.94                          | 4733070.73 | 20:12   | 27  | 5:17  | 317  |
| 1120                 | Year-Round Residence | Non-Participating    | Venice | 372336.95                          | 4733027.23 | 15:17   | 24  | 3:59  | 239  |
| 1121                 | Year-Round Residence | Non-Participating    | Venice | 372399.99                          | 4733070.26 | 18:10   | 26  | 4:45  | 285  |
| 1122                 | Year-Round Residence | Non-Participating    | Venice | 372252.76                          | 4732989.37 | 15:23   | 24  | 4:01  | 241  |
| 1123                 | Year-Round Residence | Non-Participating    | Venice | 372432.10                          | 4733070.22 | 15:13   | 25  | 3:58  | 238  |
| 1124                 | Year-Round Residence | Non-Participating    | Venice | 372452.08                          | 4733069.57 | 12:50   | 23  | 3:20  | 200  |
| 1125                 | Year-Round Residence | Non-Participating    | Venice | 372511.28                          | 4733087.61 | 10:30   | 22  | 2:43  | 163  |
| 1127                 | Year-Round Residence | Non-Participating    | Venice | 372589.81                          | 4733019.10 | 0:00  | 0   | 0:00  | 0  |
| 1128                 | Year-Round Residence | Non-Participating    | Venice | 372582.06                          | 4732927.73 | 0:00  | 0   | 0:00  | 0  |
| 1129                 | Year-Round Residence | Non-Participating    | Venice | 372542.30                          | 4732925.09 | 0:00  | 0   | 0:00  | 0  |
| 1133                 | Year-Round Residence | Non-Participating    | Venice | 371065.32                          | 4732364.50 | 0:00  | 0   | 0:00  | 0  |
| 1136                 | Year-Round Residence | Non-Participating    | Venice | 371144.54                          | 4732149.09 | 0:00  | 0   | 0:00  | 0  |
| 1152                 | Year-Round Residence | Non-Participating    | Venice | 370896.62                          | 4731944.72 | 0:00  | 0   | 0:00  | 0  |
| 1153                 | Year-Round Residence | Non-Participating    | Venice | 370742.82                          | 4731739.97 | 0:00  | 0   | 0:00  | 0  |
| 1154                 | Year-Round Residence | Non-Participating    | Venice | 370733.21                          | 4731153.71 | 0:00  | 0   | 0:00  | 0  |
| 1155                 | Year-Round Residence | Non-Participating    | Venice | 370677.56                          | 4731138.61 | 0:00  | 0   | 0:00  | 0  |
| 1156                 | Year-Round Residence | Non-Participating    | Venice | 371035.82                          | 4730909.73 | 0:00  | 0   | 0:00  | 0  |
| 1158                 | Year-Round Residence | Non-Participating    | Venice | 371261.41                          | 4731003.25 | 0:00  | 0   | 0:00  | 0  |
| 1159                 | Year-Round Residence | Non-Participating    | Venice | 371318.22                          | 4730914.77 | 0:00  | 0   | 0:00  | 0  |
| 1161                 | Year-Round Residence | Non-Participating    | Venice | 371581.43                          | 4731404.85 | 0:00  | 0   | 0:00  | 0  |
| 1162                 | Year-Round Residence | Non-Participating    | Venice | 371429.57                          | 4731581.17 | 0:00  | 0   | 0:00  | 0  |
| 1163                 | Year-Round Residence | Non-Participating    | Venice | 371407.66                          | 4731628.67 | 0:00  | 0   | 0:00  | 0  |
| 1164                 | Year-Round Residence | Non-Participating    | Venice | 372006.30                          | 4730073.93 | 0:00  | 0   | 0:00  | 0  |
| 1165                 | Year-Round Residence | Non-Participating    | Venice | 372058.30                          | 4729964.80 | 0:00  | 0   | 0:00  | 0  |
| 1167                 | Year-Round Residence | Non-Participating    | Venice | 372128.51                          | 4729716.48 | 0:00  | 0   | 0:00  | 0  |
| 1169                 | Year-Round Residence | Non-Participating    | Venice | 372319.27                          | 4729171.25 | 0:00  | 0   | 0:00  | 0  |
| 1170                 | Year-Round Residence | Non-Participating    | Venice | 372411.85                          | 4729072.80 | 0:00  | 0   | 0:00  | 0  |
| 1172                 | Year-Round Residence | Non-Participating    | Venice | 372384.80                          | 4728914.66 | 0:00  | 0   | 0:00  | 0  |
| 1173                 | Year-Round Residence | Non-Participating    | Venice | 372375.10                          | 4728866.30 | 0:00  | 0   | 0:00  | 0  |
| 1174                 | Year-Round Residence | Non-Participating    | Venice | 372580.64                          | 4728346.41 | 0:00  | 0   | 0:00  | 0  |
| 1176                 | Year-Round Residence | Non-Participating    | Venice | 372835.40                          | 4727842.73 | 0:00  | 0   | 0:00  | 0  |
| 1179                 | Year-Round Residence | Non-Participating    | Venice | 372780.48                          | 4727718.85 | 0:00  | 0   | 0:00  | 0  |
| 1181                 | Year-Round Residence | Non-Participating    | Venice | 373988.03                          | 4727567.69 | 0:00  | 0   | 0:00  | 0  |
| 1182                 | Year-Round Residence | Non-Participating    | Venice | 373846.44                          | 4727600.47 | 0:00  | 0   | 0:00  | 0  |
| 1183                 | Year-Round Residence | Non-Participating    | Venice | 373877.97                          | 4727507.40 | 0:00  | 0   | 0:00  | 0  |
| 1185                 | Year-Round Residence | Non-Participating    | Venice | 372892.74                          | 4730200.61 | 0:00  | 0   | 0:00  | 0  |
| 1188                 | Year-Round Residence | Non-Participating    | Scipio | 369085.70                          | 4738963.06 | 0:00  | 0   | 0:00  | 0  |
| 1189                 | Year-Round Residence | Non-Participating    | Scipio | 369147.02                          | 4738784.19 | 0:00  | 0   | 0:00  | 0  |
| 1190                 | Year-Round Residence | Non-Participating    | Scipio | 369194.56                          | 4738710.07 | 0:00  | 0   | 0:00  | 0  |
| 1191                 | Year-Round Residence | Non-Participating    | Scipio | 369201.58                          | 4738689.02 | 0:00  | 0   | 0:00  | 0  |
| 1192                 | Year-Round Residence | Non-Participating    | Scipio | 369290.09                          | 4738401.70 | 0:00  | 0   | 0:00  | 0  |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1193                 | Year-Round Residence | Non-Participating    | Scipio | 369388.53                          | 4737969.73 | 0:00  | 0   | 0:00  | 0   |
| 1194                 | Year-Round Residence | Non-Participating    | Scipio | 369361.68                          | 4737873.93 | 0:00  | 0   | 0:00  | 0   |
| 1195                 | Year-Round Residence | Non-Participating    | Scipio | 369416.05                          | 4737868.77 | 0:00  | 0   | 0:00  | 0   |
| 1196                 | Year-Round Residence | Non-Participating    | Scipio | 370018.47                          | 4737909.32 | 0:00  | 0   | 0:00  | 0   |
| 1197                 | Year-Round Residence | Non-Participating    | Scipio | 369870.77                          | 4737835.68 | 0:00  | 0   | 0:00  | 0   |
| 1198                 | Year-Round Residence | Non-Participating    | Scipio | 369897.60                          | 4737887.84 | 0:00  | 0   | 0:00  | 0   |
| 1199                 | Year-Round Residence | Non-Participating    | Scipio | 370056.92                          | 4737846.17 | 0:00  | 0   | 0:00  | 0   |
| 1200                 | Year-Round Residence | Non-Participating    | Scipio | 370061.19                          | 4737900.28 | 0:00  | 0   | 0:00  | 0   |
| 1202                 | Year-Round Residence | Non-Participating    | Scipio | 370140.34                          | 4737839.63 | 0:00  | 0   | 0:00  | 0   |
| 1205                 | Year-Round Residence | Non-Participating    | Scipio | 369449.40                          | 4737790.37 | 0:00  | 0   | 0:00  | 0   |
| 1206                 | Year-Round Residence | Non-Participating    | Scipio | 369577.30                          | 4737144.02 | 0:00  | 0   | 0:00  | 0   |
| 1207                 | Year-Round Residence | Non-Participating    | Scipio | 369512.07                          | 4737207.79 | 0:00  | 0   | 0:00  | 0   |
| 1209                 | Year-Round Residence | Non-Participating    | Scipio | 369538.47                          | 4737068.15 | 0:00  | 0   | 0:00  | 0   |
| 1213                 | Year-Round Residence | Non-Participating    | Scipio | 369541.06                          | 4736695.86 | 0:00  | 0   | 0:00  | 0   |
| 1215                 | Year-Round Residence | Non-Participating    | Scipio | 369515.39                          | 4735798.02 | 0:00  | 0   | 0:00  | 0   |
| 1216                 | Year-Round Residence | Non-Participating    | Scipio | 369605.83                          | 4735790.39 | 0:00  | 0   | 0:00  | 0   |
| 1220                 | Year-Round Residence | Non-Participating    | Scipio | 370111.60                          | 4735941.57 | 0:00  | 0   | 0:00  | 0   |
| 1221                 | Year-Round Residence | Non-Participating    | Scipio | 370072.30                          | 4735808.85 | 0:00  | 0   | 0:00  | 0   |
| 1222                 | Year-Round Residence | Non-Participating    | Scipio | 370207.37                          | 4735830.85 | 0:00  | 0   | 0:00  | 0   |
| 1223                 | Year-Round Residence | Non-Participating    | Scipio | 370320.12                          | 4735811.98 | 0:00  | 0   | 0:00  | 0   |
| 1224                 | Year-Round Residence | Non-Participating    | Scipio | 370372.61                          | 4735834.63 | 0:00  | 0   | 0:00  | 0   |
| 1225                 | Year-Round Residence | Non-Participating    | Scipio | 370481.01                          | 4735870.90 | 0:00  | 0   | 0:00  | 0   |
| 1226                 | Year-Round Residence | Non-Participating    | Scipio | 370615.10                          | 4735822.96 | 0:02  | 1   | 0:00  | 0   |
| 1227                 | Year-Round Residence | Non-Participating    | Scipio | 370524.14                          | 4735822.94 | 0:00  | 0   | 0:00  | 0   |
| 1228                 | Year-Round Residence | Non-Participating    | Scipio | 370562.34                          | 4735746.58 | 0:00  | 0   | 0:00  | 0   |
| 1229                 | Year-Round Residence | Non-Participating    | Scipio | 370476.78                          | 4735850.84 | 0:00  | 0   | 0:00  | 0   |
| 1230                 | Year-Round Residence | Non-Participating    | Scipio | 369194.35                          | 4735646.67 | 0:00  | 0   | 0:00  | 0   |
| 1231                 | Year-Round Residence | Non-Participating    | Scipio | 368616.98                          | 4735594.86 | 0:00  | 0   | 0:00  | 0   |
| 1232                 | Year-Round Residence | Non-Participating    | Scipio | 369540.78                          | 4735285.06 | 0:00  | 0   | 0:00  | 0   |
| 1233                 | Year-Round Residence | Non-Participating    | Scipio | 369619.47                          | 4735310.17 | 0:00  | 0   | 0:00  | 0   |
| 1234                 | Year-Round Residence | Non-Participating    | Scipio | 369627.39                          | 4735256.20 | 0:00  | 0   | 0:00  | 0   |
| 1235                 | Year-Round Residence | Non-Participating    | Scipio | 369562.65                          | 4735161.54 | 0:00  | 0   | 0:00  | 0   |
| 1237                 | Year-Round Residence | Non-Participating    | Venice | 369329.74                          | 4734679.28 | 0:00  | 0   | 0:00  | 0   |
| 1238                 | Year-Round Residence | Non-Participating    | Venice | 369261.99                          | 4734679.19 | 0:00  | 0   | 0:00  | 0   |
| 1239                 | Year-Round Residence | Non-Participating    | Scipio | 369176.77                          | 4734764.54 | 0:00  | 0   | 0:00  | 0   |
| 1241                 | Year-Round Residence | Non-Participating    | Venice | 369680.97                          | 4734672.69 | 0:00  | 0   | 0:00  | 0   |
| 1244                 | Year-Round Residence | Non-Participating    | Venice | 369955.51                          | 4734697.47 | 0:00  | 0   | 0:00  | 0   |
| 1245                 | Year-Round Residence | Non-Participating    | Venice | 370024.77                          | 4734695.73 | 0:00  | 0   | 0:00  | 0   |
| 1246                 | Year-Round Residence | Non-Participating    | Venice | 369689.97                          | 4733097.85 | 0:00  | 0   | 0:00  | 0   |
| 1251                 | Year-Round Residence | Non-Participating    | Venice | 370185.96                          | 4733133.42 | 0:00  | 0   | 0:00  | 0   |
| 1252                 | Year-Round Residence | Non-Participating    | Venice | 370211.86                          | 4733139.87 | 0:00  | 0   | 0:00  | 0   |
| 1256                 | Year-Round Residence | Non-Participating    | Venice | 370704.31                          | 4733121.91 | 0:00  | 0   | 0:00  | 0   |
| 1258                 | Year-Round Residence | Non-Participating    | Venice | 370436.72                          | 4730647.22 | 0:00  | 0   | 0:00  | 0   |
| 1259                 | Year-Round Residence | Non-Participating    | Venice | 370360.49                          | 4730618.02 | 0:00  | 0   | 0:00  | 0   |
| 1260                 | Year-Round Residence | Non-Participating    | Venice | 370191.83                          | 4729899.20 | 0:00  | 0   | 0:00  | 0   |
| 1261                 | Year-Round Residence | Non-Participating    | Venice | 370318.89                          | 4729913.51 | 0:00  | 0   | 0:00  | 0   |
| 1263                 | Year-Round Residence | Non-Participating    | Venice | 370439.71                          | 4729850.72 | 0:00  | 0   | 0:00  | 0   |
| 1264                 | Year-Round Residence | Non-Participating    | Venice | 370755.62                          | 4729928.49 | 0:00  | 0   | 0:00  | 0   |
| 1265                 | Year-Round Residence | Non-Participating    | Venice | 371028.92                          | 4729857.94 | 0:00  | 0   | 0:00  | 0   |

Table B-2.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type               | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1266  | Year-Round Residence        | Non-Participating        | Venice        | 371372.61                          | 4729984.93        | 0:00  | 0   | 0:00  | 0   |
| 1267  | Year-Round Residence        | Non-Participating        | Venice        | 371877.86                          | 4729899.42        | 0:00  | 0   | 0:00  | 0   |
| 1268  | Year-Round Residence        | Non-Participating        | Venice        | 371437.77                          | 4728155.22        | 0:00  | 0   | 0:00  | 0   |
| 1269  | Year-Round Residence        | Non-Participating        | Venice        | 371374.62                          | 4728198.61        | 0:00  | 0   | 0:00  | 0   |
| 1272  | Year-Round Residence        | Non-Participating        | Venice        | 371716.71                          | 4728190.43        | 0:00  | 0   | 0:00  | 0   |
| 1273  | Year-Round Residence        | Non-Participating        | Venice        | 371955.34                          | 4727968.40        | 0:00  | 0   | 0:00  | 0   |
| 1274  | Year-Round Residence        | Non-Participating        | Venice        | 372687.17                          | 4727898.00        | 0:00  | 0   | 0:00  | 0   |
| 1277  | Year-Round Residence        | Non-Participating        | Scipio        | 369164.96                          | 4737764.67        | 0:00  | 0   | 0:00  | 0   |
| 1278  | Year-Round Residence        | Non-Participating        | Scipio        | 369025.74                          | 4737884.46        | 0:00  | 0   | 0:00  | 0   |
| 1279  | Year-Round Residence        | Non-Participating        | Scipio        | 368880.82                          | 4737805.28        | 0:00  | 0   | 0:00  | 0   |
| 1280  | Year-Round Residence        | Non-Participating        | Scipio        | 368738.72                          | 4737827.60        | 0:00  | 0   | 0:00  | 0   |
| 1282  | Year-Round Residence        | Non-Participating        | Scipio        | 368761.86                          | 4737884.60        | 0:00  | 0   | 0:00  | 0   |
| 1285  | Year-Round Residence        | Non-Participating        | Scipio        | 368620.63                          | 4737869.95        | 0:00  | 0   | 0:00  | 0   |
| 1286  | Year-Round Residence        | Non-Participating        | Moravia       | 380154.73                          | 4732486.54        | 0:00  | 0   | 0:00  | 0   |
| 1291  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.68                          | 4734999.45        | 0:00  | 0   | 0:00  | 0   |
| 1293  | Year-Round Residence        | Non-Participating        | Venice        | 374464.99                          | 4727707.51        | 0:00  | 0   | 0:00  | 0   |
| 1294  | Year-Round Residence        | Non-Participating        | Venice        | 373691.57                          | 4730045.59        | 0:00  | 0   | 0:00  | 0   |
| 1295  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.97                          | 4731539.77        | 0:00  | 0   | 0:00  | 0   |
| 1296  | Year-Round Residence        | Non-Participating        | Venice        | 375629.01                          | 4731140.04        | 0:00  | 0   | 0:00  | 0   |
| 1297  | Year-Round Residence        | Non-Participating        | Venice        | 379246.62                          | 4732319.99        | 0:00  | 0   | 0:00  | 0   |
| 1298  | Year-Round Residence        | Non-Participating        | Venice        | 378386.72                          | 4732826.33        | 0:00  | 0   | 0:00  | 0   |
| 1299  | Year-Round Residence        | Non-Participating        | Venice        | 377786.82                          | 4732785.06        | 20:46   | 26  | 2:41  | 161   |
| 1300  | Year-Round Residence        | Non-Participating        | Scipio        | 377751.67                          | 4736256.75        | 0:00  | 0   | 0:00  | 0   |
| 1301  | Seasonal Residence          | Non-Participating        | Scipio        | 377097.07                          | 4738891.37        | 0:00  | 0   | 0:00  | 0   |
| 1302  | Year-Round Residence        | Non-Participating        | Scipio        | 376618.19                          | 4738159.86        | 0:00  | 0   | 0:00  | 0   |
| 1303  | Seasonal Residence          | Non-Participating        | Venice        | 379532.17                          | 4734569.54        | 0:00  | 0   | 0:00  | 0   |
| 1304  | Year-Round Residence        | Non-Participating        | Scipio        | 376201.96                          | 4738976.16        | 0:00  | 0   | 0:00  | 0   |
| 1309  | Seasonal Residence          | Non-Participating        | Scipio        | 377090.59                          | 4738950.65        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors |                             |                          |               |                                    |                   |   |   |   |   |
| <b>482</b>  | <b>Year-Round Residence</b> | <b>Non-Participating</b> | <b>Scipio</b> | <b>374925.84</b>                   | <b>4737438.08</b> | <b>343:43</b>   | <b>133</b>  | <b>73:18</b>  | <b>4398</b>   |
| <b>1309</b>   | <b>Seasonal Residence</b>   | <b>Non-Participating</b> | <b>Scipio</b> | <b>377090.59</b>                   | <b>4738950.65</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 482                  | Year-Round Residence | Non-Participating    | Scipio | 374925.84                          | 4737438.08 | 343:43  | 133   | 73:18   | 4398   |
| 481                  | Year-Round Residence | Non-Participating    | Scipio | 374974.48                          | 4737549.55 | 290:56  | 91  | 67:49   | 4069   |
| 495                  | Year-Round Residence | Non-Participating    | Scipio | 375031.21                          | 4735612.39 | 231:32  | 99  | 50:10   | 3010   |
| 484                  | Year-Round Residence | Non-Participating    | Scipio | 374939.22                          | 4736669.29 | 231:32  | 133   | 49:12   | 2952   |
| 480                  | Year-Round Residence | Non-Participating    | Scipio | 374967.87                          | 4737620.62 | 206:45  | 82  | 46:13   | 2773   |
| 785                  | Year-Round Residence | Non-Participating    | Scipio | 372497.81                          | 4736650.08 | 174:20  | 67  | 44:04   | 2644   |
| 839                  | Year-Round Residence | Non-Participating    | Venice | 375433.68                          | 4731653.44 | 161:59  | 105   | 43:18   | 2598   |
| 496                  | Year-Round Residence | Non-Participating    | Scipio | 376146.86                          | 4735647.17 | 169:52  | 77  | 43:00   | 2580   |
| 786                  | Year-Round Residence | Non-Participating    | Scipio | 372554.51                          | 4736551.55 | 151:09  | 62  | 40:54   | 2454   |
| 787                  | Year-Round Residence | Non-Participating    | Scipio | 372574.58                          | 4736372.75 | 118:07  | 59  | 37:04   | 2224   |
| 795                  | Year-Round Residence | Non-Participating    | Scipio | 373910.82                          | 4737146.69 | 168:08  | 57  | 36:26   | 2186   |
| 610                  | Year-Round Residence | Non-Participating    | Venice | 377067.11                          | 4732036.69 | 126:37  | 70  | 31:12   | 1872   |
| 794                  | Year-Round Residence | Non-Participating    | Scipio | 373951.61                          | 4737236.92 | 145:07  | 59  | 30:18   | 1818   |
| 483                  | Year-Round Residence | Non-Participating    | Scipio | 375007.87                          | 4736728.17 | 155:10  | 110   | 29:38   | 1778   |
| 507                  | Year-Round Residence | Non-Participating    | Scipio | 376657.73                          | 4734976.08 | 113:53  | 95  | 29:11   | 1751   |
| 807                  | Year-Round Residence | Non-Participating    | Venice | 375108.29                          | 4733619.37 | 106:35  | 65  | 27:37   | 1657   |
| 779                  | Year-Round Residence | Non-Participating    | Scipio | 372560.91                          | 4736967.97 | 136:29  | 89  | 27:04   | 1624   |
| 501                  | Year-Round Residence | Non-Participating    | Scipio | 376544.86                          | 4735620.45 | 108:00  | 45  | 25:35   | 1535   |
| 796                  | Year-Round Residence | Non-Participating    | Scipio | 374221.46                          | 4735486.15 | 112:30  | 63  | 25:18   | 1518   |
| 805                  | Year-Round Residence | Non-Participating    | Venice | 375026.12                          | 4733664.81 | 98:53   | 57  | 24:56   | 1496   |
| 780                  | Year-Round Residence | Non-Participating    | Scipio | 372548.55                          | 4737140.96 | 132:55  | 84  | 23:52   | 1432   |
| 797                  | Year-Round Residence | Non-Participating    | Scipio | 374168.89                          | 4735587.85 | 108:56  | 55  | 22:27   | 1347   |
| 613                  | Year-Round Residence | Non-Participating    | Venice | 377082.27                          | 4731629.31 | 65:08   | 57  | 21:36   | 1296   |
| 835                  | Year-Round Residence | Non-Participating    | Venice | 375344.68                          | 4732619.86 | 108:41  | 60  | 20:51   | 1251   |
| 578                  | Year-Round Residence | Non-Participating    | Venice | 376630.83                          | 4733511.46 | 68:02   | 39  | 20:49   | 1249   |
| 488                  | Year-Round Residence | Non-Participating    | Scipio | 375742.09                          | 4736623.57 | 88:48   | 35  | 20:29   | 1229   |
| 758                  | Year-Round Residence | Non-Participating    | Scipio | 374175.98                          | 4738031.44 | 106:51  | 82  | 20:08   | 1208   |
| 942                  | Year-Round Residence | Non-Participating    | Venice | 373065.32                          | 4731455.36 | 91:19   | 50  | 19:06   | 1146   |
| 802                  | Year-Round Residence | Non-Participating    | Venice | 374907.98                          | 4733958.24 | 69:30   | 60  | 18:56   | 1136   |
| 923                  | Year-Round Residence | Non-Participating    | Venice | 373055.62                          | 4731591.88 | 76:13   | 45  | 17:34   | 1054   |
| 831                  | Year-Round Residence | Non-Participating    | Venice | 375354.48                          | 4732772.84 | 90:30   | 57  | 17:18   | 1038   |
| 924                  | Year-Round Residence | Non-Participating    | Venice | 373090.77                          | 4731580.96 | 74:18   | 46  | 17:17   | 1037   |
| 467                  | Year-Round Residence | Non-Participating    | Scipio | 374967.38                          | 4737991.30 | 117:03  | 68  | 17:06   | 1026   |
| 806                  | Year-Round Residence | Non-Participating    | Venice | 375114.80                          | 4733552.03 | 64:40   | 60  | 17:02   | 1022   |
| 808                  | Year-Round Residence | Non-Participating    | Venice | 375053.87                          | 4733526.34 | 62:02   | 55  | 16:24   | 984  |
| 830                  | Year-Round Residence | Non-Participating    | Venice | 375319.61                          | 4732852.63 | 84:06   | 50  | 15:29   | 929  |
| 829                  | Year-Round Residence | Non-Participating    | Venice | 375277.07                          | 4732794.35 | 79:41   | 46  | 14:48   | 888  |
| 944                  | Year-Round Residence | Non-Participating    | Venice | 373108.64                          | 4731276.61 | 60:57   | 58  | 14:19   | 859  |
| 790                  | Year-Round Residence | Non-Participating    | Scipio | 373185.29                          | 4735915.59 | 47:39   | 37  | 13:24   | 804  |
| 820                  | Year-Round Residence | Non-Participating    | Venice | 375401.74                          | 4732978.32 | 72:47   | 50  | 13:09   | 789  |
| 577                  | Year-Round Residence | Non-Participating    | Venice | 376703.96                          | 4733873.22 | 49:47   | 40  | 12:30   | 750  |
| 941                  | Year-Round Residence | Non-Participating    | Venice | 375080.37                          | 4731582.55 | 50:10   | 43  | 12:08   | 728  |
| 793                  | Year-Round Residence | Non-Participating    | Scipio | 373684.57                          | 4735938.55 | 55:06   | 35  | 12:05   | 725  |
| 792                  | Year-Round Residence | Non-Participating    | Scipio | 373337.00                          | 4735832.49 | 43:25   | 34  | 11:39   | 699  |
| 506                  | Year-Round Residence | Non-Participating    | Scipio | 377928.65                          | 4735032.12 | 44:59   | 51  | 11:24   | 684  |
| 940                  | Year-Round Residence | Non-Participating    | Venice | 375030.96                          | 4731556.61 | 46:39   | 41  | 11:14   | 674  |
| 753                  | Year-Round Residence | Non-Participating    | Scipio | 373808.43                          | 4737955.68 | 50:46   | 48  | 11:08   | 668  |
| 819                  | Year-Round Residence | Non-Participating    | Venice | 375368.69                          | 4733021.58 | 60:31   | 44  | 11:06   | 666  |
| 574                  | Year-Round Residence | Non-Participating    | Venice | 376593.51                          | 4734161.61 | 52:44   | 60  | 11:02   | 662  |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 945                  | Year-Round Residence | Non-Participating    | Venice | 372998.17                          | 4731232.32 | 43:45   | 51  | 10:57   | 657   |
| 876                  | Year-Round Residence | Non-Participating    | Venice | 373039.66                          | 4734776.69 | 43:52   | 51  | 10:47   | 647   |
| 468                  | Year-Round Residence | Non-Participating    | Scipio | 375108.65                          | 4737989.01 | 69:29   | 56  | 10:44   | 644   |
| 1103                 | Year-Round Residence | Non-Participating    | Scipio | 372296.40                          | 4734835.13 | 54:10   | 36  | 10:43   | 643   |
| 504                  | Year-Round Residence | Non-Participating    | Scipio | 377807.23                          | 4735447.82 | 72:00   | 52  | 10:33   | 633   |
| 885                  | Year-Round Residence | Non-Participating    | Venice | 372557.14                          | 4733289.33 | 40:14   | 33  | 10:30   | 630   |
| 520                  | Year-Round Residence | Non-Participating    | Venice | 378246.23                          | 4734106.95 | 73:48   | 53  | 10:15   | 615   |
| 575                  | Year-Round Residence | Non-Participating    | Venice | 376668.33                          | 4734190.36 | 50:01   | 47  | 10:11   | 611   |
| 760                  | Year-Round Residence | Non-Participating    | Scipio | 374440.94                          | 4738036.46 | 56:29   | 73  | 10:01   | 601   |
| 583                  | Year-Round Residence | Non-Participating    | Venice | 376703.75                          | 4732897.46 | 71:27   | 51  | 9:49  | 589   |
| 886                  | Year-Round Residence | Non-Participating    | Venice | 372556.04                          | 4733242.62 | 37:05   | 32  | 9:43  | 583   |
| 505                  | Year-Round Residence | Non-Participating    | Scipio | 377791.24                          | 4735544.38 | 67:44   | 50  | 9:26  | 566   |
| 812                  | Year-Round Residence | Non-Participating    | Venice | 375216.01                          | 4733158.13 | 47:43   | 37  | 9:25  | 565   |
| 939                  | Year-Round Residence | Non-Participating    | Venice | 374996.64                          | 4731640.06 | 39:00   | 43  | 9:08  | 548   |
| 811                  | Year-Round Residence | Non-Participating    | Venice | 375129.95                          | 4733223.44 | 42:35   | 34  | 8:38  | 518   |
| 887                  | Year-Round Residence | Non-Participating    | Venice | 372563.78                          | 4733208.31 | 31:42   | 33  | 8:18  | 498   |
| 777                  | Year-Round Residence | Non-Participating    | Scipio | 372483.31                          | 4737507.24 | 45:06   | 40  | 8:07  | 487   |
| 522                  | Year-Round Residence | Non-Participating    | Venice | 378350.97                          | 4734011.81 | 51:50   | 50  | 8:07  | 487   |
| 469                  | Year-Round Residence | Non-Participating    | Scipio | 375207.68                          | 4737981.34 | 48:01   | 50  | 8:00  | 480   |
| 931                  | Year-Round Residence | Non-Participating    | Venice | 373764.63                          | 4731618.96 | 30:18   | 28  | 7:58  | 478   |
| 489                  | Year-Round Residence | Non-Participating    | Scipio | 376655.28                          | 4736709.73 | 43:38   | 31  | 7:53  | 473   |
| 810                  | Year-Round Residence | Non-Participating    | Venice | 375111.95                          | 4733266.67 | 37:59   | 33  | 7:47  | 467   |
| 788                  | Year-Round Residence | Non-Participating    | Scipio | 372506.73                          | 4736207.67 | 29:59   | 39  | 7:35  | 455   |
| 470                  | Year-Round Residence | Non-Participating    | Scipio | 375227.58                          | 4738054.71 | 50:08   | 47  | 7:35  | 455   |
| 817                  | Year-Round Residence | Non-Participating    | Venice | 375266.84                          | 4732966.56 | 37:40   | 41  | 7:32  | 452   |
| 911                  | Year-Round Residence | Non-Participating    | Venice | 374847.07                          | 4733033.74 | 27:04   | 29  | 7:30  | 450   |
| 582                  | Year-Round Residence | Non-Participating    | Venice | 376807.56                          | 4732982.80 | 54:45   | 44  | 7:21  | 441   |
| 877                  | Year-Round Residence | Non-Participating    | Venice | 372685.62                          | 4733910.32 | 29:08   | 36  | 7:19  | 439   |
| 936                  | Year-Round Residence | Non-Participating    | Venice | 374660.72                          | 4731649.70 | 40:10   | 29  | 7:09  | 429   |
| 749                  | Year-Round Residence | Non-Participating    | Scipio | 373354.28                          | 4738009.81 | 34:47   | 30  | 7:09  | 429   |
| 1118                 | Year-Round Residence | Non-Participating    | Venice | 372300.82                          | 4733098.03 | 26:56   | 27  | 7:04  | 424   |
| 888                  | Year-Round Residence | Non-Participating    | Venice | 372554.22                          | 4733180.93 | 26:52   | 32  | 7:02  | 422   |
| 938                  | Year-Round Residence | Non-Participating    | Venice | 374712.92                          | 4731487.62 | 33:59   | 30  | 7:02  | 422   |
| 500                  | Year-Round Residence | Non-Participating    | Scipio | 376915.88                          | 4735627.65 | 27:32   | 30  | 6:54  | 414   |
| 827                  | Year-Round Residence | Non-Participating    | Venice | 376207.34                          | 4732965.22 | 34:36   | 22  | 6:49  | 409   |
| 775                  | Year-Round Residence | Non-Participating    | Scipio | 372435.83                          | 4737561.25 | 37:56   | 38  | 6:47  | 407   |
| 875                  | Year-Round Residence | Non-Participating    | Scipio | 372591.73                          | 4734882.41 | 31:12   | 32  | 6:35  | 395   |
| 933                  | Year-Round Residence | Non-Participating    | Venice | 373961.25                          | 4731621.47 | 25:04   | 32  | 6:34  | 394   |
| 774                  | Year-Round Residence | Non-Participating    | Scipio | 372480.04                          | 4737556.02 | 35:44   | 39  | 6:22  | 382   |
| 822                  | Year-Round Residence | Non-Participating    | Venice | 375183.00                          | 4732895.90 | 28:11   | 39  | 6:20  | 380   |
| 491                  | Year-Round Residence | Non-Participating    | Scipio | 376392.38                          | 4736765.18 | 21:10   | 33  | 6:15  | 375   |
| 521                  | Year-Round Residence | Non-Participating    | Venice | 378460.52                          | 4734061.70 | 38:45   | 43  | 6:03  | 363   |
| 747                  | Year-Round Residence | Non-Participating    | Scipio | 373305.95                          | 4737947.52 | 27:56   | 29  | 5:57  | 357   |
| 922                  | Year-Round Residence | Non-Participating    | Venice | 373100.98                          | 4731704.26 | 22:35   | 29  | 5:48  | 348   |
| 901                  | Year-Round Residence | Non-Participating    | Venice | 373343.03                          | 4732903.87 | 32:38   | 31  | 5:47  | 347   |
| 474                  | Year-Round Residence | Non-Participating    | Scipio | 375852.74                          | 4737710.15 | 29:48   | 28  | 5:42  | 342   |
| 609                  | Year-Round Residence | Non-Participating    | Venice | 377049.09                          | 4732673.75 | 33:15   | 37  | 5:40  | 340   |
| 466                  | Year-Round Residence | Non-Participating    | Scipio | 374880.46                          | 4738134.81 | 40:33   | 53  | 5:37  | 337   |
| 809                  | Year-Round Residence | Non-Participating    | Venice | 375165.68                          | 4733296.26 | 27:10   | 31  | 5:34  | 334   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 932                  | Year-Round Residence | Non-Participating    | Venice | 373800.11                          | 4731540.05 | 21:14   | 28  | 5:33  | 333  |
| 1059                 | Year-Round Residence | Non-Participating    | Scipio | 370651.64                          | 4736150.12 | 21:13   | 28  | 5:33  | 333  |
| 502                  | Year-Round Residence | Non-Participating    | Scipio | 377046.68                          | 4735638.14 | 22:22   | 27  | 5:33  | 333  |
| 908                  | Year-Round Residence | Non-Participating    | Venice | 374236.89                          | 4732939.33 | 31:22   | 36  | 5:32  | 332  |
| 418                  | Year-Round Residence | Non-Participating    | Scipio | 377968.10                          | 4735715.79 | 40:07   | 39  | 5:27  | 327  |
| 492                  | Year-Round Residence | Non-Participating    | Scipio | 376776.58                          | 4736852.19 | 30:18   | 27  | 5:26  | 326  |
| 880                  | Year-Round Residence | Non-Participating    | Venice | 372567.31                          | 4733537.57 | 21:16   | 33  | 5:25  | 325  |
| 879                  | Year-Round Residence | Non-Participating    | Venice | 372666.33                          | 4733845.43 | 21:04   | 36  | 5:22  | 322  |
| 524                  | Year-Round Residence | Non-Participating    | Venice | 378599.67                          | 4733825.60 | 26:19   | 40  | 5:17  | 317  |
| 1119                 | Year-Round Residence | Non-Participating    | Venice | 372374.94                          | 4733070.73 | 20:12   | 27  | 5:17  | 317  |
| 615                  | Year-Round Residence | Non-Participating    | Venice | 377683.41                          | 4731648.39 | 17:26   | 32  | 5:15  | 315  |
| 490                  | Year-Round Residence | Non-Participating    | Scipio | 376574.74                          | 4736803.76 | 22:31   | 29  | 5:08  | 308  |
| 529                  | Year-Round Residence | Non-Participating    | Venice | 379001.19                          | 4733197.89 | 15:38   | 28  | 4:54  | 294  |
| 1121                 | Year-Round Residence | Non-Participating    | Venice | 372399.99                          | 4733070.26 | 18:10   | 26  | 4:45  | 285  |
| 872                  | Year-Round Residence | Non-Participating    | Scipio | 372709.18                          | 4735194.33 | 24:38   | 33  | 4:42  | 282  |
| 773                  | Year-Round Residence | Non-Participating    | Scipio | 372478.65                          | 4737599.25 | 25:58   | 35  | 4:33  | 273  |
| 871                  | Year-Round Residence | Non-Participating    | Scipio | 372709.38                          | 4735422.95 | 25:27   | 30  | 4:27  | 267  |
| 473                  | Year-Round Residence | Non-Participating    | Scipio | 375456.64                          | 4738084.92 | 27:03   | 37  | 4:25  | 265  |
| 530                  | Year-Round Residence | Non-Participating    | Venice | 379130.93                          | 4733084.30 | 13:16   | 25  | 4:17  | 257  |
| 1057                 | Year-Round Residence | Non-Participating    | Scipio | 370612.52                          | 4736211.42 | 16:34   | 28  | 4:14  | 254  |
| 525                  | Year-Round Residence | Non-Participating    | Venice | 378864.11                          | 4733616.76 | 16:57   | 32  | 4:14  | 254  |
| 900                  | Year-Round Residence | Non-Participating    | Venice | 373267.68                          | 4733011.05 | 23:49   | 29  | 4:08  | 248  |
| 1122                 | Year-Round Residence | Non-Participating    | Venice | 372252.76                          | 4732989.37 | 15:23   | 24  | 4:01  | 241  |
| 1120                 | Year-Round Residence | Non-Participating    | Venice | 372336.95                          | 4733027.23 | 15:17   | 24  | 3:59  | 239  |
| 1123                 | Year-Round Residence | Non-Participating    | Venice | 372432.10                          | 4733070.22 | 15:13   | 25  | 3:58  | 238  |
| 608                  | Year-Round Residence | Non-Participating    | Venice | 377042.60                          | 4732736.57 | 20:52   | 37  | 3:57  | 237  |
| 416                  | Year-Round Residence | Non-Participating    | Scipio | 378241.69                          | 4735331.41 | 20:13   | 35  | 3:53  | 233  |
| 635                  | Year-Round Residence | Non-Participating    | Venice | 377143.43                          | 4731488.18 | 12:26   | 26  | 3:46  | 226  |
| 919                  | Year-Round Residence | Non-Participating    | Venice | 372982.53                          | 4731811.62 | 15:06   | 27  | 3:44  | 224  |
| 935                  | Year-Round Residence | Non-Participating    | Venice | 374326.19                          | 4731562.59 | 26:42   | 39  | 3:28  | 208  |
| 1099                 | Year-Round Residence | Non-Participating    | Scipio | 371974.17                          | 4734843.08 | 16:27   | 28  | 3:22  | 202  |
| 1124                 | Year-Round Residence | Non-Participating    | Venice | 372452.08                          | 4733069.57 | 12:50   | 23  | 3:20  | 200  |
| 415                  | Year-Round Residence | Non-Participating    | Scipio | 378369.73                          | 4735340.63 | 16:13   | 31  | 3:07  | 187  |
| 526                  | Year-Round Residence | Non-Participating    | Venice | 379169.12                          | 4733416.33 | 10:49   | 25  | 3:02  | 182  |
| 403                  | Year-Round Residence | Non-Participating    | Scipio | 378443.04                          | 4735898.68 | 21:18   | 26  | 2:57  | 177  |
| 586                  | Year-Round Residence | Non-Participating    | Venice | 377128.42                          | 4732912.35 | 16:57   | 32  | 2:55  | 175  |
| 1100                 | Year-Round Residence | Non-Participating    | Venice | 371821.36                          | 4734713.17 | 12:10   | 26  | 2:51  | 171  |
| 584                  | Year-Round Residence | Non-Participating    | Venice | 377104.75                          | 4733021.03 | 19:21   | 32  | 2:49  | 169  |
| 465                  | Year-Round Residence | Non-Participating    | Scipio | 374960.11                          | 4738204.84 | 20:43   | 38  | 2:44  | 164  |
| 1125                 | Year-Round Residence | Non-Participating    | Venice | 372511.28                          | 4733087.61 | 10:30   | 22  | 2:43  | 163  |
| 1299                 | Year-Round Residence | Non-Participating    | Venice | 377786.82                          | 4732785.06 | 20:46   | 26  | 2:41  | 161  |
| 1096                 | Year-Round Residence | Non-Participating    | Scipio | 371762.93                          | 4734798.49 | 11:31   | 25  | 2:38  | 158  |
| 918                  | Year-Round Residence | Non-Participating    | Venice | 372822.67                          | 4732087.60 | 10:06   | 25  | 2:35  | 155  |
| 589                  | Year-Round Residence | Non-Participating    | Venice | 377821.31                          | 4732791.11 | 19:43   | 25  | 2:34  | 154  |
| 1056                 | Year-Round Residence | Non-Participating    | Scipio | 370508.69                          | 4736803.33 | 10:09   | 26  | 2:33  | 153  |
| 916                  | Year-Round Residence | Non-Participating    | Venice | 372829.83                          | 4732213.83 | 9:51  | 25  | 2:28  | 148  |
| 404                  | Year-Round Residence | Non-Participating    | Scipio | 378471.26                          | 4735853.47 | 17:19   | 26  | 2:25  | 145  |
| 585                  | Year-Round Residence | Non-Participating    | Venice | 377197.24                          | 4732976.44 | 14:34   | 29  | 2:23  | 143  |
| 1055                 | Year-Round Residence | Non-Participating    | Scipio | 370489.17                          | 4736866.29 | 9:38  | 25  | 2:22  | 142  |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 405                  | Year-Round Residence | Non-Participating    | Scipio  | 378452.25                          | 4735789.17 | 16:34   | 27  | 2:21  | 141  |
| 906                  | Year-Round Residence | Non-Participating    | Venice  | 373751.96                          | 4732983.28 | 12:30   | 25  | 2:21  | 141  |
| 745                  | Year-Round Residence | Non-Participating    | Scipio  | 373103.70                          | 4737941.79 | 9:49  | 26  | 2:19  | 139  |
| 590                  | Year-Round Residence | Non-Participating    | Venice  | 377847.66                          | 4732858.86 | 18:06   | 24  | 2:19  | 139  |
| 591                  | Year-Round Residence | Non-Participating    | Venice  | 377887.48                          | 4732849.86 | 17:45   | 23  | 2:17  | 137  |
| 412                  | Year-Round Residence | Non-Participating    | Venice  | 378600.96                          | 4735293.06 | 11:22   | 26  | 2:16  | 136  |
| 1054                 | Year-Round Residence | Non-Participating    | Scipio  | 370479.10                          | 4736941.43 | 9:27  | 25  | 2:14  | 134  |
| 917                  | Year-Round Residence | Non-Participating    | Venice  | 372742.38                          | 4732221.63 | 8:51  | 23  | 2:13  | 133  |
| 744                  | Year-Round Residence | Non-Participating    | Scipio  | 373055.90                          | 4737934.41 | 9:17  | 25  | 2:12  | 132  |
| 409                  | Year-Round Residence | Non-Participating    | Venice  | 378777.44                          | 4735191.95 | 9:14  | 24  | 2:06  | 126  |
| 406                  | Year-Round Residence | Non-Participating    | Scipio  | 378527.85                          | 4735752.51 | 13:47   | 26  | 2:05  | 125  |
| 743                  | Year-Round Residence | Non-Participating    | Scipio  | 372999.13                          | 4737942.75 | 8:27  | 24  | 2:00  | 120  |
| 408                  | Year-Round Residence | Non-Participating    | Venice  | 378811.32                          | 4735200.84 | 8:45  | 23  | 1:59  | 119  |
| 493                  | Year-Round Residence | Non-Participating    | Scipio  | 377049.15                          | 4736677.36 | 13:13   | 24  | 1:54  | 114  |
| 512                  | Year-Round Residence | Non-Participating    | Venice  | 377672.03                          | 4734708.57 | 5:34  | 22  | 1:53  | 113  |
| 934                  | Year-Round Residence | Non-Participating    | Venice  | 374117.12                          | 4731627.46 | 7:13  | 18  | 1:51  | 111  |
| 592                  | Year-Round Residence | Non-Participating    | Venice  | 377903.62                          | 4732762.58 | 13:34   | 23  | 1:51  | 111  |
| 892                  | Year-Round Residence | Non-Participating    | Venice  | 372635.66                          | 4733138.84 | 7:02  | 19  | 1:48  | 108  |
| 588                  | Year-Round Residence | Non-Participating    | Venice  | 377774.09                          | 4732879.92 | 14:11   | 24  | 1:45  | 105  |
| 951                  | Year-Round Residence | Non-Participating    | Venice  | 375121.88                          | 4730855.12 | 6:00  | 18  | 1:35  | 95   |
| 593                  | Year-Round Residence | Non-Participating    | Venice  | 377942.47                          | 4732752.01 | 11:23   | 22  | 1:34  | 94   |
| 890                  | Year-Round Residence | Non-Participating    | Venice  | 372592.18                          | 4733112.54 | 6:00  | 17  | 1:32  | 92   |
| 1038                 | Year-Round Residence | Non-Participating    | Scipio  | 372080.17                          | 4737926.23 | 6:44  | 18  | 1:05  | 65   |
| 1117                 | Year-Round Residence | Non-Participating    | Venice  | 372321.22                          | 4732954.31 | 2:38  | 11  | 0:40  | 40   |
| 1039                 | Year-Round Residence | Non-Participating    | Scipio  | 372108.01                          | 4737927.29 | 3:53  | 14  | 0:35  | 35   |
| 1                    | Year-Round Residence | Non-Participating    | Moravia | 380974.40                          | 4734987.20 | 0:00  | 0   | 0:00  | 0  |
| 2                    | Year-Round Residence | Non-Participating    | Moravia | 380866.90                          | 4735289.63 | 0:00  | 0   | 0:00  | 0  |
| 3                    | Year-Round Residence | Non-Participating    | Moravia | 380726.27                          | 4734798.67 | 0:00  | 0   | 0:00  | 0  |
| 4                    | Year-Round Residence | Non-Participating    | Moravia | 380624.96                          | 4734950.66 | 0:00  | 0   | 0:00  | 0  |
| 6                    | Year-Round Residence | Non-Participating    | Moravia | 380537.85                          | 4734925.23 | 0:00  | 0   | 0:00  | 0  |
| 7                    | Year-Round Residence | Non-Participating    | Moravia | 380547.46                          | 4734933.18 | 0:00  | 0   | 0:00  | 0  |
| 8                    | Year-Round Residence | Non-Participating    | Moravia | 380553.11                          | 4734942.62 | 0:00  | 0   | 0:00  | 0  |
| 9                    | Year-Round Residence | Non-Participating    | Moravia | 380582.31                          | 4734927.07 | 0:00  | 0   | 0:00  | 0  |
| 10                   | Year-Round Residence | Non-Participating    | Moravia | 380567.76                          | 4734956.07 | 0:00  | 0   | 0:00  | 0  |
| 11                   | Year-Round Residence | Non-Participating    | Moravia | 380572.90                          | 4734963.10 | 0:00  | 0   | 0:00  | 0  |
| 12                   | Year-Round Residence | Non-Participating    | Moravia | 380576.24                          | 4734975.92 | 0:00  | 0   | 0:00  | 0  |
| 13                   | Seasonal Residence   | Non-Participating    | Moravia | 380570.92                          | 4734986.10 | 0:00  | 0   | 0:00  | 0  |
| 14                   | Seasonal Residence   | Non-Participating    | Moravia | 380567.08                          | 4734995.75 | 0:00  | 0   | 0:00  | 0  |
| 15                   | Year-Round Residence | Non-Participating    | Moravia | 380593.56                          | 4735013.77 | 0:00  | 0   | 0:00  | 0  |
| 16                   | Year-Round Residence | Non-Participating    | Moravia | 380568.28                          | 4735012.37 | 0:00  | 0   | 0:00  | 0  |
| 17                   | Year-Round Residence | Non-Participating    | Moravia | 380562.57                          | 4735031.51 | 0:00  | 0   | 0:00  | 0  |
| 18                   | Year-Round Residence | Non-Participating    | Moravia | 380573.23                          | 4735050.34 | 0:00  | 0   | 0:00  | 0  |
| 19                   | Year-Round Residence | Non-Participating    | Moravia | 380560.66                          | 4735048.28 | 0:00  | 0   | 0:00  | 0  |
| 20                   | Year-Round Residence | Non-Participating    | Moravia | 380557.29                          | 4735062.90 | 0:00  | 0   | 0:00  | 0  |
| 21                   | Year-Round Residence | Non-Participating    | Moravia | 380548.67                          | 4735085.11 | 0:00  | 0   | 0:00  | 0  |
| 22                   | Year-Round Residence | Non-Participating    | Moravia | 380547.61                          | 4735094.12 | 0:00  | 0   | 0:00  | 0  |
| 23                   | Year-Round Residence | Non-Participating    | Moravia | 380544.01                          | 4735102.22 | 0:00  | 0   | 0:00  | 0  |
| 24                   | Year-Round Residence | Non-Participating    | Moravia | 380536.88                          | 4735124.05 | 0:00  | 0   | 0:00  | 0  |
| 25                   | Seasonal Residence   | Non-Participating    | Moravia | 380525.89                          | 4735150.27 | 0:00  | 0   | 0:00  | 0  |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 26                   | Year-Round Residence | Non-Participating    | Moravia | 380507.58                          | 4735175.30 | 0:00  | 0   | 0:00  | 0   |
| 27                   | Year-Round Residence | Non-Participating    | Moravia | 380503.51                          | 4735214.08 | 0:00  | 0   | 0:00  | 0   |
| 28                   | Seasonal Residence   | Non-Participating    | Moravia | 380476.39                          | 4735232.72 | 0:00  | 0   | 0:00  | 0   |
| 29                   | Seasonal Residence   | Non-Participating    | Moravia | 380452.56                          | 4735265.42 | 0:00  | 0   | 0:00  | 0   |
| 30                   | Seasonal Residence   | Non-Participating    | Moravia | 380454.20                          | 4735294.37 | 0:00  | 0   | 0:00  | 0   |
| 31                   | Year-Round Residence | Non-Participating    | Moravia | 380448.90                          | 4735308.55 | 0:00  | 0   | 0:00  | 0   |
| 32                   | Seasonal Residence   | Non-Participating    | Moravia | 380438.27                          | 4735350.68 | 0:00  | 0   | 0:00  | 0   |
| 33                   | Year-Round Residence | Non-Participating    | Moravia | 380427.86                          | 4735386.06 | 0:00  | 0   | 0:00  | 0   |
| 34                   | Seasonal Residence   | Non-Participating    | Moravia | 380416.84                          | 4735409.35 | 0:00  | 0   | 0:00  | 0   |
| 35                   | Year-Round Residence | Non-Participating    | Moravia | 380403.13                          | 4735435.60 | 0:00  | 0   | 0:00  | 0   |
| 36                   | Year-Round Residence | Non-Participating    | Moravia | 380441.80                          | 4735458.07 | 0:00  | 0   | 0:00  | 0   |
| 37                   | Seasonal Residence   | Non-Participating    | Moravia | 380400.33                          | 4735455.33 | 0:00  | 0   | 0:00  | 0   |
| 38                   | Seasonal Residence   | Non-Participating    | Moravia | 380359.45                          | 4735490.94 | 0:00  | 0   | 0:00  | 0   |
| 39                   | Seasonal Residence   | Non-Participating    | Moravia | 380341.03                          | 4735540.39 | 0:00  | 0   | 0:00  | 0   |
| 40                   | Seasonal Residence   | Non-Participating    | Moravia | 380302.92                          | 4735618.66 | 0:00  | 0   | 0:00  | 0   |
| 41                   | Seasonal Residence   | Non-Participating    | Moravia | 380283.76                          | 4735645.23 | 0:00  | 0   | 0:00  | 0   |
| 42                   | Seasonal Residence   | Non-Participating    | Moravia | 380267.66                          | 4735669.56 | 0:00  | 0   | 0:00  | 0   |
| 43                   | Seasonal Residence   | Non-Participating    | Moravia | 380313.47                          | 4735656.03 | 0:00  | 0   | 0:00  | 0   |
| 44                   | Seasonal Residence   | Non-Participating    | Moravia | 380261.87                          | 4735692.34 | 0:00  | 0   | 0:00  | 0   |
| 45                   | Year-Round Residence | Non-Participating    | Moravia | 380291.46                          | 4735887.00 | 0:00  | 0   | 0:00  | 0   |
| 46                   | Seasonal Residence   | Non-Participating    | Moravia | 380204.11                          | 4735858.86 | 0:00  | 0   | 0:00  | 0   |
| 47                   | Year-Round Residence | Non-Participating    | Moravia | 380146.65                          | 4735902.72 | 0:00  | 0   | 0:00  | 0   |
| 48                   | Year-Round Residence | Non-Participating    | Moravia | 380117.68                          | 4735922.82 | 0:00  | 0   | 0:00  | 0   |
| 49                   | Year-Round Residence | Non-Participating    | Moravia | 380121.95                          | 4735957.09 | 0:00  | 0   | 0:00  | 0   |
| 50                   | Year-Round Residence | Non-Participating    | Moravia | 380097.52                          | 4735965.78 | 0:00  | 0   | 0:00  | 0   |
| 51                   | Seasonal Residence   | Non-Participating    | Moravia | 380098.40                          | 4735979.46 | 0:00  | 0   | 0:00  | 0   |
| 52                   | Year-Round Residence | Non-Participating    | Moravia | 380100.13                          | 4735992.83 | 0:00  | 0   | 0:00  | 0   |
| 53                   | Year-Round Residence | Non-Participating    | Moravia | 380098.09                          | 4736004.03 | 0:00  | 0   | 0:00  | 0   |
| 54                   | Year-Round Residence | Non-Participating    | Moravia | 380104.10                          | 4736012.71 | 0:00  | 0   | 0:00  | 0   |
| 55                   | Seasonal Residence   | Non-Participating    | Moravia | 380099.82                          | 4736020.13 | 0:00  | 0   | 0:00  | 0   |
| 56                   | Seasonal Residence   | Non-Participating    | Moravia | 380096.62                          | 4736028.20 | 0:00  | 0   | 0:00  | 0   |
| 57                   | Seasonal Residence   | Non-Participating    | Moravia | 380088.71                          | 4736035.37 | 0:00  | 0   | 0:00  | 0   |
| 58                   | Year-Round Residence | Non-Participating    | Moravia | 380080.51                          | 4736043.16 | 0:00  | 0   | 0:00  | 0   |
| 59                   | Year-Round Residence | Non-Participating    | Moravia | 380072.76                          | 4736049.57 | 0:00  | 0   | 0:00  | 0   |
| 60                   | Year-Round Residence | Non-Participating    | Moravia | 380059.06                          | 4736055.81 | 0:00  | 0   | 0:00  | 0   |
| 61                   | Seasonal Residence   | Non-Participating    | Moravia | 380049.43                          | 4736062.66 | 0:00  | 0   | 0:00  | 0   |
| 62                   | Seasonal Residence   | Non-Participating    | Moravia | 380043.45                          | 4736067.58 | 0:00  | 0   | 0:00  | 0   |
| 63                   | Seasonal Residence   | Non-Participating    | Moravia | 380032.66                          | 4736069.73 | 0:00  | 0   | 0:00  | 0   |
| 64                   | Seasonal Residence   | Non-Participating    | Moravia | 380024.81                          | 4736074.84 | 0:00  | 0   | 0:00  | 0   |
| 65                   | Year-Round Residence | Non-Participating    | Moravia | 380015.17                          | 4736084.39 | 0:00  | 0   | 0:00  | 0   |
| 66                   | Year-Round Residence | Non-Participating    | Moravia | 380007.45                          | 4736094.17 | 0:00  | 0   | 0:00  | 0   |
| 67                   | Seasonal Residence   | Non-Participating    | Moravia | 379998.32                          | 4736103.01 | 0:00  | 0   | 0:00  | 0   |
| 68                   | Seasonal Residence   | Non-Participating    | Moravia | 380015.51                          | 4736109.61 | 0:00  | 0   | 0:00  | 0   |
| 69                   | Seasonal Residence   | Non-Participating    | Moravia | 379991.31                          | 4736114.99 | 0:00  | 0   | 0:00  | 0   |
| 70                   | Seasonal Residence   | Non-Participating    | Moravia | 379986.33                          | 4736126.88 | 0:00  | 0   | 0:00  | 0   |
| 71                   | Year-Round Residence | Non-Participating    | Moravia | 379982.47                          | 4736138.54 | 0:00  | 0   | 0:00  | 0   |
| 72                   | Year-Round Residence | Non-Participating    | Moravia | 379981.33                          | 4736153.64 | 0:00  | 0   | 0:00  | 0   |
| 73                   | Seasonal Residence   | Non-Participating    | Moravia | 379977.63                          | 4736166.10 | 0:00  | 0   | 0:00  | 0   |
| 74                   | Seasonal Residence   | Non-Participating    | Moravia | 379973.78                          | 4736180.45 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 75                   | Seasonal Residence   | Non-Participating    | Moravia | 379952.77                          | 4736181.44 | 0:00  | 0   | 0:00  | 0   |
| 76                   | Year-Round Residence | Non-Participating    | Moravia | 379945.83                          | 4736193.47 | 0:00  | 0   | 0:00  | 0   |
| 77                   | Year-Round Residence | Non-Participating    | Moravia | 379933.66                          | 4736200.40 | 0:00  | 0   | 0:00  | 0   |
| 78                   | Seasonal Residence   | Non-Participating    | Moravia | 379925.74                          | 4736215.20 | 0:00  | 0   | 0:00  | 0   |
| 79                   | Year-Round Residence | Non-Participating    | Moravia | 379912.23                          | 4736227.16 | 0:00  | 0   | 0:00  | 0   |
| 80                   | Year-Round Residence | Non-Participating    | Moravia | 379934.79                          | 4736242.85 | 0:00  | 0   | 0:00  | 0   |
| 81                   | Year-Round Residence | Non-Participating    | Moravia | 379904.07                          | 4736245.60 | 0:00  | 0   | 0:00  | 0   |
| 82                   | Seasonal Residence   | Non-Participating    | Moravia | 379896.48                          | 4736262.60 | 0:00  | 0   | 0:00  | 0   |
| 83                   | Seasonal Residence   | Non-Participating    | Moravia | 379893.42                          | 4736276.99 | 0:00  | 0   | 0:00  | 0   |
| 84                   | Year-Round Residence | Non-Participating    | Moravia | 379889.83                          | 4736293.05 | 0:00  | 0   | 0:00  | 0   |
| 85                   | Year-Round Residence | Non-Participating    | Moravia | 379883.55                          | 4736307.31 | 0:00  | 0   | 0:00  | 0   |
| 86                   | Year-Round Residence | Non-Participating    | Moravia | 379876.46                          | 4736318.86 | 0:00  | 0   | 0:00  | 0   |
| 87                   | Seasonal Residence   | Non-Participating    | Moravia | 379872.06                          | 4736332.18 | 0:00  | 0   | 0:00  | 0   |
| 88                   | Seasonal Residence   | Non-Participating    | Moravia | 379867.88                          | 4736348.13 | 0:00  | 0   | 0:00  | 0   |
| 89                   | Seasonal Residence   | Non-Participating    | Moravia | 379865.15                          | 4736361.94 | 0:00  | 0   | 0:00  | 0   |
| 90                   | Seasonal Residence   | Non-Participating    | Moravia | 379862.44                          | 4736373.56 | 0:00  | 0   | 0:00  | 0   |
| 91                   | Seasonal Residence   | Non-Participating    | Moravia | 379860.53                          | 4736383.43 | 0:00  | 0   | 0:00  | 0   |
| 92                   | Seasonal Residence   | Non-Participating    | Moravia | 379858.57                          | 4736393.35 | 0:00  | 0   | 0:00  | 0   |
| 93                   | Year-Round Residence | Non-Participating    | Moravia | 379853.41                          | 4736406.22 | 0:00  | 0   | 0:00  | 0   |
| 94                   | Seasonal Residence   | Non-Participating    | Moravia | 379851.04                          | 4736418.93 | 0:00  | 0   | 0:00  | 0   |
| 95                   | Seasonal Residence   | Non-Participating    | Moravia | 379855.16                          | 4736427.29 | 0:00  | 0   | 0:00  | 0   |
| 96                   | Year-Round Residence | Non-Participating    | Moravia | 379859.78                          | 4736436.88 | 0:00  | 0   | 0:00  | 0   |
| 97                   | Seasonal Residence   | Non-Participating    | Moravia | 379866.18                          | 4736464.61 | 0:00  | 0   | 0:00  | 0   |
| 98                   | Seasonal Residence   | Non-Participating    | Moravia | 379881.57                          | 4736473.40 | 0:00  | 0   | 0:00  | 0   |
| 99                   | Seasonal Residence   | Non-Participating    | Moravia | 379887.71                          | 4736482.06 | 0:00  | 0   | 0:00  | 0   |
| 100                  | Year-Round Residence | Non-Participating    | Moravia | 379896.49                          | 4736490.13 | 0:00  | 0   | 0:00  | 0   |
| 101                  | Seasonal Residence   | Non-Participating    | Moravia | 379905.23                          | 4736503.72 | 0:00  | 0   | 0:00  | 0   |
| 102                  | Seasonal Residence   | Non-Participating    | Moravia | 379916.65                          | 4736513.61 | 0:00  | 0   | 0:00  | 0   |
| 103                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.41                          | 4736521.19 | 0:00  | 0   | 0:00  | 0   |
| 104                  | Year-Round Residence | Non-Participating    | Moravia | 379939.72                          | 4736532.77 | 0:00  | 0   | 0:00  | 0   |
| 105                  | Year-Round Residence | Non-Participating    | Moravia | 379943.83                          | 4736554.40 | 0:00  | 0   | 0:00  | 0   |
| 106                  | Seasonal Residence   | Non-Participating    | Moravia | 379946.39                          | 4736578.38 | 0:00  | 0   | 0:00  | 0   |
| 107                  | Year-Round Residence | Non-Participating    | Moravia | 379908.79                          | 4736729.99 | 0:00  | 0   | 0:00  | 0   |
| 108                  | Year-Round Residence | Non-Participating    | Moravia | 379913.37                          | 4736705.87 | 0:00  | 0   | 0:00  | 0   |
| 109                  | Year-Round Residence | Non-Participating    | Moravia | 379874.96                          | 4736793.65 | 0:00  | 0   | 0:00  | 0   |
| 110                  | Year-Round Residence | Non-Participating    | Moravia | 379847.60                          | 4736862.71 | 0:00  | 0   | 0:00  | 0   |
| 111                  | Year-Round Residence | Non-Participating    | Moravia | 379835.70                          | 4736880.42 | 0:00  | 0   | 0:00  | 0   |
| 112                  | Year-Round Residence | Non-Participating    | Moravia | 379841.25                          | 4736922.72 | 0:00  | 0   | 0:00  | 0   |
| 113                  | Year-Round Residence | Non-Participating    | Moravia | 379793.03                          | 4736984.92 | 0:00  | 0   | 0:00  | 0   |
| 114                  | Year-Round Residence | Non-Participating    | Moravia | 379764.76                          | 4737017.63 | 0:00  | 0   | 0:00  | 0   |
| 115                  | Year-Round Residence | Non-Participating    | Moravia | 379719.73                          | 4737122.89 | 0:00  | 0   | 0:00  | 0   |
| 116                  | Year-Round Residence | Non-Participating    | Moravia | 379689.44                          | 4737191.52 | 0:00  | 0   | 0:00  | 0   |
| 117                  | Year-Round Residence | Non-Participating    | Moravia | 379665.82                          | 4737201.12 | 0:00  | 0   | 0:00  | 0   |
| 118                  | Year-Round Residence | Non-Participating    | Moravia | 379666.62                          | 4737222.05 | 0:00  | 0   | 0:00  | 0   |
| 119                  | Year-Round Residence | Non-Participating    | Moravia | 379739.15                          | 4737235.91 | 0:00  | 0   | 0:00  | 0   |
| 120                  | Year-Round Residence | Non-Participating    | Moravia | 379673.87                          | 4737313.71 | 0:00  | 0   | 0:00  | 0   |
| 121                  | Year-Round Residence | Non-Participating    | Moravia | 379609.87                          | 4737321.66 | 0:00  | 0   | 0:00  | 0   |
| 122                  | Year-Round Residence | Non-Participating    | Moravia | 379574.35                          | 4737345.38 | 0:00  | 0   | 0:00  | 0   |
| 123                  | Year-Round Residence | Non-Participating    | Moravia | 379587.31                          | 4737376.91 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 124                  | Year-Round Residence | Non-Participating    | Moravia | 379556.81                          | 4737418.00 | 0:00  | 0   | 0:00  | 0   |
| 125                  | Year-Round Residence | Non-Participating    | Moravia | 379540.04                          | 4737445.68 | 0:00  | 0   | 0:00  | 0   |
| 126                  | Seasonal Residence   | Non-Participating    | Moravia | 379538.51                          | 4737487.34 | 0:00  | 0   | 0:00  | 0   |
| 127                  | Seasonal Residence   | Non-Participating    | Moravia | 379522.84                          | 4737537.82 | 0:00  | 0   | 0:00  | 0   |
| 128                  | Year-Round Residence | Non-Participating    | Moravia | 380393.70                          | 4733367.74 | 0:00  | 0   | 0:00  | 0   |
| 129                  | Year-Round Residence | Non-Participating    | Venice  | 379601.66                          | 4734355.41 | 0:00  | 0   | 0:00  | 0   |
| 130                  | Year-Round Residence | Non-Participating    | Venice  | 379553.27                          | 4734436.52 | 0:00  | 0   | 0:00  | 0   |
| 131                  | Year-Round Residence | Non-Participating    | Venice  | 379521.53                          | 4734497.17 | 0:00  | 0   | 0:00  | 0   |
| 132                  | Year-Round Residence | Non-Participating    | Venice  | 379526.21                          | 4734581.83 | 0:00  | 0   | 0:00  | 0   |
| 133                  | Year-Round Residence | Non-Participating    | Venice  | 379520.61                          | 4734591.42 | 0:00  | 0   | 0:00  | 0   |
| 134                  | Year-Round Residence | Non-Participating    | Venice  | 379499.97                          | 4734639.42 | 0:00  | 0   | 0:00  | 0   |
| 135                  | Year-Round Residence | Non-Participating    | Venice  | 379503.53                          | 4734689.79 | 0:00  | 0   | 0:00  | 0   |
| 136                  | Year-Round Residence | Non-Participating    | Venice  | 379509.85                          | 4734704.74 | 0:00  | 0   | 0:00  | 0   |
| 137                  | Year-Round Residence | Non-Participating    | Venice  | 379505.21                          | 4734718.32 | 0:00  | 0   | 0:00  | 0   |
| 138                  | Year-Round Residence | Non-Participating    | Venice  | 379480.77                          | 4734715.83 | 0:00  | 0   | 0:00  | 0   |
| 139                  | Year-Round Residence | Non-Participating    | Venice  | 379466.85                          | 4734716.96 | 0:00  | 0   | 0:00  | 0   |
| 140                  | Year-Round Residence | Non-Participating    | Venice  | 379444.20                          | 4734721.42 | 0:00  | 0   | 0:00  | 0   |
| 141                  | Year-Round Residence | Non-Participating    | Venice  | 379450.28                          | 4734742.87 | 0:00  | 0   | 0:00  | 0   |
| 142                  | Year-Round Residence | Non-Participating    | Venice  | 379465.79                          | 4734740.55 | 0:00  | 0   | 0:00  | 0   |
| 143                  | Year-Round Residence | Non-Participating    | Venice  | 379482.64                          | 4734759.89 | 0:00  | 0   | 0:00  | 0   |
| 144                  | Year-Round Residence | Non-Participating    | Venice  | 379495.37                          | 4734767.84 | 0:00  | 0   | 0:00  | 0   |
| 145                  | Year-Round Residence | Non-Participating    | Venice  | 379464.26                          | 4734778.19 | 0:00  | 0   | 0:00  | 0   |
| 146                  | Year-Round Residence | Non-Participating    | Venice  | 379450.97                          | 4734772.70 | 0:00  | 0   | 0:00  | 0   |
| 147                  | Year-Round Residence | Non-Participating    | Venice  | 379436.69                          | 4734771.16 | 0:00  | 0   | 0:00  | 0   |
| 148                  | Year-Round Residence | Non-Participating    | Venice  | 379383.59                          | 4734788.93 | 0:00  | 0   | 0:00  | 0   |
| 149                  | Year-Round Residence | Non-Participating    | Venice  | 379320.63                          | 4734871.09 | 0:00  | 0   | 0:00  | 0   |
| 150                  | Year-Round Residence | Non-Participating    | Venice  | 379330.09                          | 4734900.60 | 0:00  | 0   | 0:00  | 0   |
| 151                  | Year-Round Residence | Non-Participating    | Venice  | 379299.41                          | 4735030.46 | 0:00  | 0   | 0:00  | 0   |
| 152                  | Year-Round Residence | Non-Participating    | Venice  | 379296.10                          | 4735041.99 | 0:00  | 0   | 0:00  | 0   |
| 153                  | Year-Round Residence | Non-Participating    | Venice  | 379295.49                          | 4735049.39 | 0:00  | 0   | 0:00  | 0   |
| 154                  | Year-Round Residence | Non-Participating    | Venice  | 379294.02                          | 4735058.51 | 0:00  | 0   | 0:00  | 0   |
| 155                  | Year-Round Residence | Non-Participating    | Venice  | 379285.35                          | 4735066.50 | 0:00  | 0   | 0:00  | 0   |
| 156                  | Year-Round Residence | Non-Participating    | Venice  | 379260.90                          | 4735095.33 | 0:00  | 0   | 0:00  | 0   |
| 157                  | Year-Round Residence | Non-Participating    | Venice  | 379195.43                          | 4735133.47 | 0:00  | 0   | 0:00  | 0   |
| 158                  | Year-Round Residence | Non-Participating    | Venice  | 379227.11                          | 4735143.52 | 0:00  | 0   | 0:00  | 0   |
| 159                  | Year-Round Residence | Non-Participating    | Venice  | 379169.61                          | 4735261.41 | 0:00  | 0   | 0:00  | 0   |
| 160                  | Year-Round Residence | Non-Participating    | Venice  | 379136.78                          | 4734833.48 | 0:00  | 0   | 0:00  | 0   |
| 161                  | Year-Round Residence | Non-Participating    | Scipio  | 379078.40                          | 4735389.22 | 0:00  | 0   | 0:00  | 0   |
| 162                  | Year-Round Residence | Non-Participating    | Scipio  | 378932.36                          | 4735361.36 | 0:00  | 0   | 0:00  | 0   |
| 163                  | Year-Round Residence | Non-Participating    | Scipio  | 379062.92                          | 4735417.23 | 0:00  | 0   | 0:00  | 0   |
| 164                  | Year-Round Residence | Non-Participating    | Scipio  | 379007.15                          | 4735665.70 | 0:00  | 0   | 0:00  | 0   |
| 165                  | Year-Round Residence | Non-Participating    | Scipio  | 378991.68                          | 4735691.18 | 0:00  | 0   | 0:00  | 0   |
| 166                  | Year-Round Residence | Non-Participating    | Scipio  | 378845.96                          | 4735938.38 | 0:00  | 0   | 0:00  | 0   |
| 167                  | Year-Round Residence | Non-Participating    | Scipio  | 378862.50                          | 4735907.77 | 0:00  | 0   | 0:00  | 0   |
| 168                  | Year-Round Residence | Non-Participating    | Scipio  | 378784.98                          | 4736197.60 | 0:00  | 0   | 0:00  | 0   |
| 169                  | Year-Round Residence | Non-Participating    | Scipio  | 378808.17                          | 4736194.21 | 0:00  | 0   | 0:00  | 0   |
| 170                  | Year-Round Residence | Non-Participating    | Scipio  | 378823.26                          | 4736180.99 | 0:00  | 0   | 0:00  | 0   |
| 171                  | Year-Round Residence | Non-Participating    | Scipio  | 378827.78                          | 4736164.41 | 0:00  | 0   | 0:00  | 0   |
| 172                  | Year-Round Residence | Non-Participating    | Scipio  | 378821.67                          | 4736142.81 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 173                  | Year-Round Residence | Non-Participating    | Scipio  | 378805.48                          | 4736110.70 | 0:00  | 0   | 0:00  | 0   |
| 174                  | Year-Round Residence | Non-Participating    | Scipio  | 378826.72                          | 4736080.44 | 0:00  | 0   | 0:00  | 0   |
| 175                  | Year-Round Residence | Non-Participating    | Scipio  | 378830.65                          | 4736050.08 | 0:00  | 0   | 0:00  | 0   |
| 176                  | Year-Round Residence | Non-Participating    | Scipio  | 378836.78                          | 4736024.41 | 0:00  | 0   | 0:00  | 0   |
| 177                  | Year-Round Residence | Non-Participating    | Scipio  | 378846.89                          | 4736005.63 | 0:00  | 0   | 0:00  | 0   |
| 178                  | Year-Round Residence | Non-Participating    | Scipio  | 378796.76                          | 4736027.98 | 0:00  | 0   | 0:00  | 0   |
| 179                  | Year-Round Residence | Non-Participating    | Scipio  | 378706.10                          | 4736245.01 | 0:00  | 0   | 0:00  | 0   |
| 180                  | Year-Round Residence | Non-Participating    | Scipio  | 378683.89                          | 4736266.78 | 0:00  | 0   | 0:00  | 0   |
| 181                  | Year-Round Residence | Non-Participating    | Scipio  | 378668.08                          | 4736317.93 | 0:00  | 0   | 0:00  | 0   |
| 182                  | Year-Round Residence | Non-Participating    | Scipio  | 378637.04                          | 4736373.84 | 0:00  | 0   | 0:00  | 0   |
| 183                  | Year-Round Residence | Non-Participating    | Scipio  | 378586.39                          | 4736417.38 | 0:00  | 0   | 0:00  | 0   |
| 184                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.86                          | 4736562.25 | 0:00  | 0   | 0:00  | 0   |
| 185                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.64                          | 4736673.79 | 0:00  | 0   | 0:00  | 0   |
| 186                  | Year-Round Residence | Non-Participating    | Scipio  | 378496.15                          | 4736716.62 | 0:00  | 0   | 0:00  | 0   |
| 187                  | Year-Round Residence | Non-Participating    | Scipio  | 378184.28                          | 4737400.63 | 0:00  | 0   | 0:00  | 0   |
| 188                  | Year-Round Residence | Non-Participating    | Scipio  | 378098.48                          | 4737428.21 | 0:00  | 0   | 0:00  | 0   |
| 189                  | Seasonal Residence   | Non-Participating    | Moravia | 380262.66                          | 4735720.44 | 0:00  | 0   | 0:00  | 0   |
| 190                  | Seasonal Residence   | Non-Participating    | Moravia | 380249.36                          | 4735707.15 | 0:00  | 0   | 0:00  | 0   |
| 191                  | Seasonal Residence   | Non-Participating    | Moravia | 380255.65                          | 4735757.88 | 0:00  | 0   | 0:00  | 0   |
| 192                  | Seasonal Residence   | Non-Participating    | Moravia | 380227.61                          | 4735806.08 | 0:00  | 0   | 0:00  | 0   |
| 193                  | Seasonal Residence   | Non-Participating    | Moravia | 379931.83                          | 4736590.10 | 0:00  | 0   | 0:00  | 0   |
| 194                  | Seasonal Residence   | Non-Participating    | Moravia | 379942.36                          | 4736616.30 | 0:00  | 0   | 0:00  | 0   |
| 195                  | Seasonal Residence   | Non-Participating    | Moravia | 379934.71                          | 4736636.42 | 0:00  | 0   | 0:00  | 0   |
| 196                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.33                          | 4736651.23 | 0:00  | 0   | 0:00  | 0   |
| 197                  | Seasonal Residence   | Non-Participating    | Moravia | 379907.88                          | 4736676.63 | 0:00  | 0   | 0:00  | 0   |
| 198                  | Seasonal Residence   | Non-Participating    | Moravia | 379901.53                          | 4736770.98 | 0:00  | 0   | 0:00  | 0   |
| 199                  | Seasonal Residence   | Non-Participating    | Moravia | 379874.80                          | 4736813.17 | 0:00  | 0   | 0:00  | 0   |
| 200                  | Seasonal Residence   | Non-Participating    | Moravia | 379862.22                          | 4736838.61 | 0:00  | 0   | 0:00  | 0   |
| 201                  | Seasonal Residence   | Non-Participating    | Moravia | 379810.54                          | 4736949.11 | 0:00  | 0   | 0:00  | 0   |
| 202                  | Seasonal Residence   | Non-Participating    | Moravia | 379754.81                          | 4737062.03 | 0:00  | 0   | 0:00  | 0   |
| 203                  | Seasonal Residence   | Non-Participating    | Moravia | 379738.10                          | 4737086.35 | 0:00  | 0   | 0:00  | 0   |
| 204                  | Seasonal Residence   | Non-Participating    | Moravia | 379747.11                          | 4737112.68 | 0:00  | 0   | 0:00  | 0   |
| 205                  | Seasonal Residence   | Non-Participating    | Moravia | 379697.70                          | 4737132.04 | 0:00  | 0   | 0:00  | 0   |
| 206                  | Seasonal Residence   | Non-Participating    | Moravia | 379693.37                          | 4737158.69 | 0:00  | 0   | 0:00  | 0   |
| 207                  | Seasonal Residence   | Non-Participating    | Moravia | 379638.83                          | 4737273.11 | 0:00  | 0   | 0:00  | 0   |
| 208                  | Seasonal Residence   | Non-Participating    | Moravia | 379561.59                          | 4737384.67 | 0:00  | 0   | 0:00  | 0   |
| 209                  | Seasonal Residence   | Non-Participating    | Niles   | 379498.76                          | 4737580.94 | 0:00  | 0   | 0:00  | 0   |
| 210                  | Seasonal Residence   | Non-Participating    | Niles   | 379492.60                          | 4737607.77 | 0:00  | 0   | 0:00  | 0   |
| 211                  | Seasonal Residence   | Non-Participating    | Niles   | 379479.32                          | 4737638.85 | 0:00  | 0   | 0:00  | 0   |
| 212                  | Seasonal Residence   | Non-Participating    | Niles   | 379468.92                          | 4737659.08 | 0:00  | 0   | 0:00  | 0   |
| 213                  | Seasonal Residence   | Non-Participating    | Niles   | 379461.19                          | 4737677.38 | 0:00  | 0   | 0:00  | 0   |
| 214                  | Seasonal Residence   | Non-Participating    | Niles   | 379455.43                          | 4737694.03 | 0:00  | 0   | 0:00  | 0   |
| 215                  | Seasonal Residence   | Non-Participating    | Niles   | 379446.82                          | 4737714.46 | 0:00  | 0   | 0:00  | 0   |
| 216                  | Seasonal Residence   | Non-Participating    | Niles   | 379436.64                          | 4737737.67 | 0:00  | 0   | 0:00  | 0   |
| 217                  | Seasonal Residence   | Non-Participating    | Niles   | 379427.69                          | 4737765.33 | 0:00  | 0   | 0:00  | 0   |
| 218                  | Seasonal Residence   | Non-Participating    | Niles   | 379324.64                          | 4737794.52 | 0:00  | 0   | 0:00  | 0   |
| 219                  | Seasonal Residence   | Non-Participating    | Niles   | 379348.60                          | 4737891.42 | 0:00  | 0   | 0:00  | 0   |
| 220                  | Seasonal Residence   | Non-Participating    | Niles   | 379335.91                          | 4737939.30 | 0:00  | 0   | 0:00  | 0   |
| 221                  | Seasonal Residence   | Non-Participating    | Niles   | 379262.28                          | 4737989.10 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 222                  | Seasonal Residence   | Non-Participating    | Venice  | 379634.88                          | 4734302.75 | 0:00  | 0   | 0:00  | 0   |
| 223                  | Seasonal Residence   | Non-Participating    | Venice  | 379698.88                          | 4734505.64 | 0:00  | 0   | 0:00  | 0   |
| 224                  | Seasonal Residence   | Non-Participating    | Venice  | 379597.50                          | 4734525.85 | 0:00  | 0   | 0:00  | 0   |
| 225                  | Seasonal Residence   | Non-Participating    | Venice  | 379583.90                          | 4734535.92 | 0:00  | 0   | 0:00  | 0   |
| 226                  | Seasonal Residence   | Non-Participating    | Venice  | 379570.06                          | 4734543.74 | 0:00  | 0   | 0:00  | 0   |
| 227                  | Seasonal Residence   | Non-Participating    | Venice  | 379544.15                          | 4734554.57 | 0:00  | 0   | 0:00  | 0   |
| 228                  | Seasonal Residence   | Non-Participating    | Venice  | 379553.12                          | 4734572.45 | 0:00  | 0   | 0:00  | 0   |
| 229                  | Seasonal Residence   | Non-Participating    | Venice  | 379510.21                          | 4734601.49 | 0:00  | 0   | 0:00  | 0   |
| 230                  | Seasonal Residence   | Non-Participating    | Venice  | 379511.82                          | 4734610.87 | 0:00  | 0   | 0:00  | 0   |
| 231                  | Seasonal Residence   | Non-Participating    | Venice  | 379492.96                          | 4734717.58 | 0:00  | 0   | 0:00  | 0   |
| 232                  | Seasonal Residence   | Non-Participating    | Venice  | 379472.59                          | 4734751.64 | 0:00  | 0   | 0:00  | 0   |
| 233                  | Seasonal Residence   | Non-Participating    | Venice  | 379412.27                          | 4734796.05 | 0:00  | 0   | 0:00  | 0   |
| 234                  | Seasonal Residence   | Non-Participating    | Venice  | 379389.59                          | 4734779.14 | 0:00  | 0   | 0:00  | 0   |
| 235                  | Seasonal Residence   | Non-Participating    | Venice  | 379361.33                          | 4734801.75 | 0:00  | 0   | 0:00  | 0   |
| 236                  | Seasonal Residence   | Non-Participating    | Venice  | 379377.56                          | 4734844.99 | 0:00  | 0   | 0:00  | 0   |
| 237                  | Seasonal Residence   | Non-Participating    | Venice  | 379351.97                          | 4734841.33 | 0:00  | 0   | 0:00  | 0   |
| 238                  | Seasonal Residence   | Non-Participating    | Venice  | 379342.18                          | 4734857.25 | 0:00  | 0   | 0:00  | 0   |
| 239                  | Seasonal Residence   | Non-Participating    | Venice  | 379329.92                          | 4734937.17 | 0:00  | 0   | 0:00  | 0   |
| 240                  | Seasonal Residence   | Non-Participating    | Venice  | 379279.11                          | 4734959.98 | 0:00  | 0   | 0:00  | 0   |
| 241                  | Seasonal Residence   | Non-Participating    | Venice  | 379272.44                          | 4734970.00 | 0:00  | 0   | 0:00  | 0   |
| 242                  | Seasonal Residence   | Non-Participating    | Venice  | 379256.31                          | 4735014.79 | 0:00  | 0   | 0:00  | 0   |
| 243                  | Seasonal Residence   | Non-Participating    | Venice  | 379278.90                          | 4735079.07 | 0:00  | 0   | 0:00  | 0   |
| 244                  | Seasonal Residence   | Non-Participating    | Venice  | 379245.70                          | 4735116.49 | 0:00  | 0   | 0:00  | 0   |
| 245                  | Seasonal Residence   | Non-Participating    | Venice  | 379232.44                          | 4735134.99 | 0:00  | 0   | 0:00  | 0   |
| 246                  | Year-Round Residence | Non-Participating    | Venice  | 378998.25                          | 4735265.22 | 0:00  | 0   | 0:00  | 0   |
| 247                  | Seasonal Residence   | Non-Participating    | Venice  | 379066.29                          | 4735291.50 | 0:00  | 0   | 0:00  | 0   |
| 248                  | Seasonal Residence   | Non-Participating    | Scipio  | 379089.05                          | 4735348.51 | 0:00  | 0   | 0:00  | 0   |
| 249                  | Seasonal Residence   | Non-Participating    | Scipio  | 379093.32                          | 4735369.67 | 0:00  | 0   | 0:00  | 0   |
| 250                  | Seasonal Residence   | Non-Participating    | Scipio  | 379091.13                          | 4735434.72 | 0:00  | 0   | 0:00  | 0   |
| 251                  | Seasonal Residence   | Non-Participating    | Scipio  | 379086.27                          | 4735473.71 | 0:00  | 0   | 0:00  | 0   |
| 252                  | Seasonal Residence   | Non-Participating    | Scipio  | 379066.93                          | 4735506.50 | 0:00  | 0   | 0:00  | 0   |
| 253                  | Seasonal Residence   | Non-Participating    | Scipio  | 379053.19                          | 4735549.98 | 0:00  | 0   | 0:00  | 0   |
| 254                  | Seasonal Residence   | Non-Participating    | Scipio  | 379015.81                          | 4735615.48 | 0:00  | 0   | 0:00  | 0   |
| 255                  | Seasonal Residence   | Non-Participating    | Scipio  | 379005.35                          | 4735632.30 | 0:00  | 0   | 0:00  | 0   |
| 256                  | Seasonal Residence   | Non-Participating    | Scipio  | 379006.77                          | 4735650.36 | 0:00  | 0   | 0:00  | 0   |
| 257                  | Seasonal Residence   | Non-Participating    | Scipio  | 378968.98                          | 4735711.86 | 0:00  | 0   | 0:00  | 0   |
| 258                  | Seasonal Residence   | Non-Participating    | Scipio  | 378961.50                          | 4735726.01 | 0:00  | 0   | 0:00  | 0   |
| 259                  | Seasonal Residence   | Non-Participating    | Scipio  | 378907.66                          | 4735876.35 | 0:00  | 0   | 0:00  | 0   |
| 260                  | Seasonal Residence   | Non-Participating    | Scipio  | 378578.03                          | 4736475.96 | 0:00  | 0   | 0:00  | 0   |
| 261                  | Seasonal Residence   | Non-Participating    | Scipio  | 378564.57                          | 4736508.17 | 0:00  | 0   | 0:00  | 0   |
| 262                  | Seasonal Residence   | Non-Participating    | Scipio  | 378433.48                          | 4736881.83 | 0:00  | 0   | 0:00  | 0   |
| 263                  | Seasonal Residence   | Non-Participating    | Scipio  | 378162.15                          | 4737337.37 | 0:00  | 0   | 0:00  | 0   |
| 264                  | Seasonal Residence   | Non-Participating    | Scipio  | 377503.52                          | 4737880.95 | 0:00  | 0   | 0:00  | 0   |
| 265                  | Seasonal Residence   | Non-Participating    | Scipio  | 377647.75                          | 4737994.31 | 0:00  | 0   | 0:00  | 0   |
| 266                  | Seasonal Residence   | Non-Participating    | Scipio  | 377676.45                          | 4737936.68 | 0:00  | 0   | 0:00  | 0   |
| 273                  | Year-Round Residence | Non-Participating    | Moravia | 380786.57                          | 4735247.98 | 0:00  | 0   | 0:00  | 0   |
| 290                  | Year-Round Residence | Non-Participating    | Scipio  | 377104.22                          | 4738132.82 | 0:00  | 0   | 0:00  | 0   |
| 292                  | Year-Round Residence | Non-Participating    | Scipio  | 377335.15                          | 4738630.15 | 0:00  | 0   | 0:00  | 0   |
| 293                  | Year-Round Residence | Non-Participating    | Scipio  | 377219.41                          | 4738715.14 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 294                  | Year-Round Residence | Non-Participating    | Scipio | 377195.26                          | 4738763.91 | 0:00  | 0   | 0:00  | 0   |
| 295                  | Seasonal Residence   | Non-Participating    | Scipio | 377164.00                          | 4738840.42 | 0:00  | 0   | 0:00  | 0   |
| 296                  | Year-Round Residence | Non-Participating    | Scipio | 377177.55                          | 4738904.10 | 0:00  | 0   | 0:00  | 0   |
| 297                  | Year-Round Residence | Non-Participating    | Scipio | 377160.07                          | 4738940.39 | 0:00  | 0   | 0:00  | 0   |
| 298                  | Year-Round Residence | Non-Participating    | Scipio | 377166.05                          | 4738988.23 | 0:00  | 0   | 0:00  | 0   |
| 299                  | Year-Round Residence | Non-Participating    | Scipio | 377169.54                          | 4739077.16 | 0:00  | 0   | 0:00  | 0   |
| 300                  | Year-Round Residence | Non-Participating    | Scipio | 377175.12                          | 4739064.71 | 0:00  | 0   | 0:00  | 0   |
| 301                  | Year-Round Residence | Non-Participating    | Scipio | 377145.85                          | 4739092.14 | 0:00  | 0   | 0:00  | 0   |
| 303                  | Year-Round Residence | Non-Participating    | Scipio | 376945.33                          | 4739169.65 | 0:00  | 0   | 0:00  | 0   |
| 304                  | Year-Round Residence | Non-Participating    | Scipio | 376824.82                          | 4739117.06 | 0:00  | 0   | 0:00  | 0   |
| 305                  | Seasonal Residence   | Non-Participating    | Scipio | 376847.02                          | 4739447.58 | 0:00  | 0   | 0:00  | 0   |
| 306                  | Seasonal Residence   | Non-Participating    | Scipio | 376679.79                          | 4739750.41 | 0:00  | 0   | 0:00  | 0   |
| 307                  | Seasonal Residence   | Non-Participating    | Scipio | 376572.43                          | 4739875.57 | 0:00  | 0   | 0:00  | 0   |
| 308                  | Seasonal Residence   | Non-Participating    | Scipio | 376554.38                          | 4739939.48 | 0:00  | 0   | 0:00  | 0   |
| 309                  | Year-Round Residence | Non-Participating    | Scipio | 376540.37                          | 4739966.99 | 0:00  | 0   | 0:00  | 0   |
| 310                  | Seasonal Residence   | Non-Participating    | Scipio | 376518.99                          | 4740028.06 | 0:00  | 0   | 0:00  | 0   |
| 311                  | Seasonal Residence   | Non-Participating    | Scipio | 376445.15                          | 4740100.28 | 0:00  | 0   | 0:00  | 0   |
| 312                  | Year-Round Residence | Non-Participating    | Scipio | 376375.24                          | 4740129.93 | 0:00  | 0   | 0:00  | 0   |
| 313                  | Year-Round Residence | Non-Participating    | Scipio | 376385.70                          | 4740184.22 | 0:00  | 0   | 0:00  | 0   |
| 314                  | Seasonal Residence   | Non-Participating    | Scipio | 376385.76                          | 4740226.00 | 0:00  | 0   | 0:00  | 0   |
| 315                  | Seasonal Residence   | Non-Participating    | Scipio | 376157.52                          | 4740123.48 | 0:00  | 0   | 0:00  | 0   |
| 317                  | Seasonal Residence   | Non-Participating    | Scipio | 376269.90                          | 4740285.20 | 0:00  | 0   | 0:00  | 0   |
| 318                  | Seasonal Residence   | Non-Participating    | Scipio | 376164.74                          | 4740778.68 | 0:00  | 0   | 0:00  | 0   |
| 319                  | Year-Round Residence | Non-Participating    | Scipio | 376019.05                          | 4740932.17 | 0:00  | 0   | 0:00  | 0   |
| 320                  | Year-Round Residence | Non-Participating    | Scipio | 376095.37                          | 4740953.62 | 0:00  | 0   | 0:00  | 0   |
| 321                  | Seasonal Residence   | Non-Participating    | Scipio | 376148.50                          | 4740919.57 | 0:00  | 0   | 0:00  | 0   |
| 322                  | Year-Round Residence | Non-Participating    | Scipio | 375998.14                          | 4740998.68 | 0:00  | 0   | 0:00  | 0   |
| 323                  | Year-Round Residence | Non-Participating    | Scipio | 375317.58                          | 4741086.66 | 0:00  | 0   | 0:00  | 0   |
| 324                  | Year-Round Residence | Non-Participating    | Scipio | 375551.40                          | 4740306.69 | 0:00  | 0   | 0:00  | 0   |
| 325                  | Year-Round Residence | Non-Participating    | Scipio | 375745.99                          | 4740280.88 | 0:00  | 0   | 0:00  | 0   |
| 326                  | Year-Round Residence | Non-Participating    | Scipio | 375781.55                          | 4740220.63 | 0:00  | 0   | 0:00  | 0   |
| 327                  | Year-Round Residence | Non-Participating    | Scipio | 375824.58                          | 4740152.26 | 0:00  | 0   | 0:00  | 0   |
| 328                  | Year-Round Residence | Non-Participating    | Scipio | 375851.51                          | 4740038.78 | 0:00  | 0   | 0:00  | 0   |
| 329                  | Year-Round Residence | Non-Participating    | Scipio | 375771.75                          | 4739989.05 | 0:00  | 0   | 0:00  | 0   |
| 330                  | Year-Round Residence | Non-Participating    | Scipio | 375817.88                          | 4739892.29 | 0:00  | 0   | 0:00  | 0   |
| 331                  | Year-Round Residence | Non-Participating    | Scipio | 375953.83                          | 4739896.63 | 0:00  | 0   | 0:00  | 0   |
| 332                  | Year-Round Residence | Non-Participating    | Scipio | 376022.06                          | 4739951.66 | 0:00  | 0   | 0:00  | 0   |
| 333                  | Year-Round Residence | Non-Participating    | Scipio | 376083.18                          | 4739975.58 | 0:00  | 0   | 0:00  | 0   |
| 334                  | Year-Round Residence | Non-Participating    | Scipio | 376187.86                          | 4739959.44 | 0:00  | 0   | 0:00  | 0   |
| 335                  | Year-Round Residence | Non-Participating    | Scipio | 375998.56                          | 4739764.29 | 0:00  | 0   | 0:00  | 0   |
| 336                  | Year-Round Residence | Non-Participating    | Scipio | 375796.95                          | 4739783.34 | 0:00  | 0   | 0:00  | 0   |
| 337                  | Year-Round Residence | Non-Participating    | Scipio | 376306.15                          | 4739623.74 | 0:00  | 0   | 0:00  | 0   |
| 339                  | Year-Round Residence | Non-Participating    | Scipio | 376332.70                          | 4739141.92 | 0:00  | 0   | 0:00  | 0   |
| 340                  | Year-Round Residence | Non-Participating    | Scipio | 376144.16                          | 4739276.60 | 0:00  | 0   | 0:00  | 0   |
| 341                  | Year-Round Residence | Non-Participating    | Scipio | 376187.31                          | 4739137.02 | 0:00  | 0   | 0:00  | 0   |
| 342                  | Year-Round Residence | Non-Participating    | Scipio | 376227.89                          | 4738899.41 | 0:00  | 0   | 0:00  | 0   |
| 344                  | Year-Round Residence | Non-Participating    | Scipio | 376217.92                          | 4738755.38 | 0:00  | 0   | 0:00  | 0   |
| 345                  | Year-Round Residence | Non-Participating    | Scipio | 376480.22                          | 4738795.14 | 0:00  | 0   | 0:00  | 0   |
| 346                  | Year-Round Residence | Non-Participating    | Scipio | 376514.68                          | 4738715.30 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 347                  | Year-Round Residence | Non-Participating    | Scipio | 376555.71                          | 4738636.79 | 0:00  | 0   | 0:00  | 0   |
| 348                  | Year-Round Residence | Non-Participating    | Scipio | 376655.88                          | 4738748.25 | 0:00  | 0   | 0:00  | 0   |
| 349                  | Year-Round Residence | Non-Participating    | Scipio | 376597.43                          | 4738556.45 | 0:00  | 0   | 0:00  | 0   |
| 350                  | Year-Round Residence | Non-Participating    | Scipio | 376582.31                          | 4738428.14 | 0:00  | 0   | 0:00  | 0   |
| 351                  | Year-Round Residence | Non-Participating    | Scipio | 376547.67                          | 4738460.03 | 0:00  | 0   | 0:00  | 0   |
| 352                  | Year-Round Residence | Non-Participating    | Scipio | 376622.44                          | 4738302.06 | 0:00  | 0   | 0:00  | 0   |
| 353                  | Year-Round Residence | Non-Participating    | Scipio | 376645.33                          | 4738263.85 | 0:00  | 0   | 0:00  | 0   |
| 354                  | Year-Round Residence | Non-Participating    | Scipio | 376509.32                          | 4738158.88 | 0:00  | 0   | 0:00  | 0   |
| 355                  | Year-Round Residence | Non-Participating    | Scipio | 376527.16                          | 4738161.09 | 0:00  | 0   | 0:00  | 0   |
| 356                  | Year-Round Residence | Non-Participating    | Scipio | 376559.13                          | 4738161.21 | 0:00  | 0   | 0:00  | 0   |
| 357                  | Year-Round Residence | Non-Participating    | Scipio | 376588.09                          | 4738155.58 | 0:00  | 0   | 0:00  | 0   |
| 358                  | Year-Round Residence | Non-Participating    | Scipio | 376583.35                          | 4738116.08 | 0:00  | 0   | 0:00  | 0   |
| 359                  | Year-Round Residence | Non-Participating    | Scipio | 376563.83                          | 4738121.53 | 0:00  | 0   | 0:00  | 0   |
| 360                  | Year-Round Residence | Non-Participating    | Scipio | 376518.42                          | 4738121.29 | 0:00  | 0   | 0:00  | 0   |
| 361                  | Year-Round Residence | Non-Participating    | Scipio | 376515.96                          | 4738106.08 | 0:00  | 0   | 0:00  | 0   |
| 362                  | Year-Round Residence | Non-Participating    | Scipio | 376535.16                          | 4738084.29 | 0:00  | 0   | 0:00  | 0   |
| 363                  | Year-Round Residence | Non-Participating    | Scipio | 376564.58                          | 4738102.99 | 0:00  | 0   | 0:00  | 0   |
| 364                  | Year-Round Residence | Non-Participating    | Scipio | 376578.37                          | 4738083.11 | 0:00  | 0   | 0:00  | 0   |
| 365                  | Year-Round Residence | Non-Participating    | Scipio | 376601.14                          | 4738096.49 | 0:00  | 0   | 0:00  | 0   |
| 366                  | Year-Round Residence | Non-Participating    | Scipio | 376613.55                          | 4738080.27 | 0:00  | 0   | 0:00  | 0   |
| 367                  | Year-Round Residence | Non-Participating    | Scipio | 376636.08                          | 4738119.45 | 0:00  | 0   | 0:00  | 0   |
| 368                  | Year-Round Residence | Non-Participating    | Scipio | 376645.52                          | 4738099.65 | 0:00  | 0   | 0:00  | 0   |
| 369                  | Year-Round Residence | Non-Participating    | Scipio | 376653.23                          | 4738084.61 | 0:00  | 0   | 0:00  | 0   |
| 370                  | Year-Round Residence | Non-Participating    | Scipio | 376682.48                          | 4738113.85 | 0:00  | 0   | 0:00  | 0   |
| 371                  | Year-Round Residence | Non-Participating    | Scipio | 376682.37                          | 4738088.79 | 0:00  | 0   | 0:00  | 0   |
| 372                  | Year-Round Residence | Non-Participating    | Scipio | 376700.87                          | 4738087.35 | 0:00  | 0   | 0:00  | 0   |
| 374                  | Year-Round Residence | Non-Participating    | Scipio | 377002.88                          | 4738376.40 | 0:00  | 0   | 0:00  | 0   |
| 375                  | Year-Round Residence | Non-Participating    | Scipio | 376982.55                          | 4738420.26 | 0:00  | 0   | 0:00  | 0   |
| 380                  | Year-Round Residence | Non-Participating    | Scipio | 376806.33                          | 4737996.74 | 0:00  | 0   | 0:00  | 0   |
| 381                  | Year-Round Residence | Non-Participating    | Scipio | 377037.53                          | 4737734.48 | 0:00  | 0   | 0:00  | 0   |
| 382                  | Year-Round Residence | Non-Participating    | Scipio | 377249.06                          | 4737372.69 | 0:00  | 0   | 0:00  | 0   |
| 385                  | Year-Round Residence | Non-Participating    | Scipio | 377404.36                          | 4737266.61 | 0:00  | 0   | 0:00  | 0   |
| 386                  | Year-Round Residence | Non-Participating    | Scipio | 377459.07                          | 4737181.30 | 0:00  | 0   | 0:00  | 0   |
| 387                  | Year-Round Residence | Non-Participating    | Scipio | 377706.61                          | 4736919.10 | 0:00  | 0   | 0:00  | 0   |
| 388                  | Year-Round Residence | Non-Participating    | Scipio | 377700.41                          | 4736801.52 | 0:00  | 0   | 0:00  | 0   |
| 389                  | Year-Round Residence | Non-Participating    | Scipio | 377741.56                          | 4736884.30 | 0:00  | 0   | 0:00  | 0   |
| 390                  | Year-Round Residence | Non-Participating    | Scipio | 377779.16                          | 4736855.26 | 0:00  | 0   | 0:00  | 0   |
| 391                  | Year-Round Residence | Non-Participating    | Scipio | 377839.18                          | 4736763.32 | 0:00  | 0   | 0:00  | 0   |
| 392                  | Year-Round Residence | Non-Participating    | Scipio | 377723.23                          | 4736565.70 | 0:00  | 0   | 0:00  | 0   |
| 393                  | Year-Round Residence | Non-Participating    | Scipio | 377732.21                          | 4736637.82 | 0:00  | 0   | 0:00  | 0   |
| 394                  | Year-Round Residence | Non-Participating    | Scipio | 377970.65                          | 4736567.96 | 0:00  | 0   | 0:00  | 0   |
| 395                  | Year-Round Residence | Non-Participating    | Scipio | 378002.63                          | 4736510.69 | 0:00  | 0   | 0:00  | 0   |
| 396                  | Year-Round Residence | Non-Participating    | Scipio | 378238.68                          | 4736371.12 | 0:00  | 0   | 0:00  | 0   |
| 397                  | Year-Round Residence | Non-Participating    | Scipio | 378107.18                          | 4736371.41 | 0:00  | 0   | 0:00  | 0   |
| 398                  | Year-Round Residence | Non-Participating    | Scipio | 378297.18                          | 4736294.83 | 0:00  | 0   | 0:00  | 0   |
| 399                  | Year-Round Residence | Non-Participating    | Scipio | 378365.66                          | 4736207.82 | 0:00  | 0   | 0:00  | 0   |
| 400                  | Year-Round Residence | Non-Participating    | Scipio | 378401.71                          | 4736134.85 | 0:00  | 0   | 0:00  | 0   |
| 407                  | Year-Round Residence | Non-Participating    | Venice | 379418.44                          | 4734636.13 | 0:00  | 0   | 0:00  | 0   |
| 410                  | Year-Round Residence | Non-Participating    | Venice | 378806.44                          | 4735300.44 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 419                  | Year-Round Residence | Non-Participating    | Scipio | 377756.08                          | 4735780.44 | 0:00  | 0   | 0:00  | 0   |
| 420                  | Year-Round Residence | Non-Participating    | Scipio | 377834.28                          | 4735863.24 | 0:00  | 0   | 0:00  | 0   |
| 421                  | Year-Round Residence | Non-Participating    | Scipio | 377758.62                          | 4736032.13 | 0:00  | 0   | 0:00  | 0   |
| 422                  | Year-Round Residence | Non-Participating    | Scipio | 377760.75                          | 4736126.17 | 0:00  | 0   | 0:00  | 0   |
| 424                  | Year-Round Residence | Non-Participating    | Scipio | 378029.39                          | 4736175.93 | 0:00  | 0   | 0:00  | 0   |
| 427                  | Year-Round Residence | Non-Participating    | Scipio | 377777.78                          | 4736336.91 | 0:00  | 0   | 0:00  | 0   |
| 428                  | Year-Round Residence | Non-Participating    | Scipio | 377681.32                          | 4736423.36 | 0:00  | 0   | 0:00  | 0   |
| 429                  | Year-Round Residence | Non-Participating    | Scipio | 377760.24                          | 4736466.92 | 0:00  | 0   | 0:00  | 0   |
| 430                  | Year-Round Residence | Non-Participating    | Scipio | 377511.27                          | 4736420.74 | 0:00  | 0   | 0:00  | 0   |
| 431                  | Year-Round Residence | Non-Participating    | Scipio | 374961.46                          | 4741178.49 | 0:00  | 0   | 0:00  | 0   |
| 432                  | Year-Round Residence | Non-Participating    | Scipio | 374810.39                          | 4741083.13 | 0:00  | 0   | 0:00  | 0   |
| 433                  | Year-Round Residence | Non-Participating    | Scipio | 375180.48                          | 4741204.45 | 0:00  | 0   | 0:00  | 0   |
| 434                  | Year-Round Residence | Non-Participating    | Scipio | 374822.08                          | 4740951.58 | 0:00  | 0   | 0:00  | 0   |
| 435                  | Year-Round Residence | Non-Participating    | Scipio | 374823.36                          | 4740864.54 | 0:00  | 0   | 0:00  | 0   |
| 436                  | Year-Round Residence | Non-Participating    | Scipio | 374889.05                          | 4740745.61 | 0:00  | 0   | 0:00  | 0   |
| 438                  | Year-Round Residence | Non-Participating    | Scipio | 374822.90                          | 4740511.45 | 0:00  | 0   | 0:00  | 0   |
| 439                  | Year-Round Residence | Non-Participating    | Scipio | 374933.80                          | 4740458.88 | 0:00  | 0   | 0:00  | 0   |
| 440                  | Year-Round Residence | Non-Participating    | Scipio | 374890.23                          | 4740286.05 | 0:00  | 0   | 0:00  | 0   |
| 441                  | Year-Round Residence | Non-Participating    | Scipio | 374900.82                          | 4740231.00 | 0:00  | 0   | 0:00  | 0   |
| 442                  | Year-Round Residence | Non-Participating    | Scipio | 374861.06                          | 4739699.92 | 0:00  | 0   | 0:00  | 0   |
| 443                  | Year-Round Residence | Non-Participating    | Scipio | 374856.91                          | 4739807.89 | 0:00  | 0   | 0:00  | 0   |
| 446                  | Year-Round Residence | Non-Participating    | Scipio | 374859.13                          | 4739577.90 | 0:00  | 0   | 0:00  | 0   |
| 447                  | Year-Round Residence | Non-Participating    | Scipio | 375675.13                          | 4739496.33 | 0:00  | 0   | 0:00  | 0   |
| 448                  | Year-Round Residence | Non-Participating    | Scipio | 375826.88                          | 4739477.02 | 0:00  | 0   | 0:00  | 0   |
| 449                  | Year-Round Residence | Non-Participating    | Scipio | 374916.41                          | 4739293.75 | 0:00  | 0   | 0:00  | 0   |
| 450                  | Year-Round Residence | Non-Participating    | Scipio | 374858.13                          | 4739212.54 | 0:00  | 0   | 0:00  | 0   |
| 451                  | Year-Round Residence | Non-Participating    | Scipio | 374928.64                          | 4739158.84 | 0:00  | 0   | 0:00  | 0   |
| 453                  | Year-Round Residence | Non-Participating    | Scipio | 374934.50                          | 4739006.89 | 0:00  | 0   | 0:00  | 0   |
| 454                  | Year-Round Residence | Non-Participating    | Scipio | 374855.79                          | 4738703.58 | 0:00  | 0   | 0:00  | 0   |
| 455                  | Year-Round Residence | Non-Participating    | Scipio | 374956.18                          | 4738671.91 | 0:00  | 0   | 0:00  | 0   |
| 456                  | Year-Round Residence | Non-Participating    | Scipio | 374892.50                          | 4738549.60 | 0:00  | 0   | 0:00  | 0   |
| 457                  | Year-Round Residence | Non-Participating    | Scipio | 374960.28                          | 4738619.16 | 0:00  | 0   | 0:00  | 0   |
| 459                  | Year-Round Residence | Non-Participating    | Scipio | 374808.65                          | 4738437.47 | 0:00  | 0   | 0:00  | 0   |
| 460                  | Year-Round Residence | Non-Participating    | Scipio | 374885.54                          | 4738372.82 | 0:00  | 0   | 0:00  | 0   |
| 461                  | Year-Round Residence | Non-Participating    | Scipio | 375098.61                          | 4738363.73 | 0:00  | 0   | 0:00  | 0   |
| 462                  | Year-Round Residence | Non-Participating    | Scipio | 374900.17                          | 4738281.00 | 0:00  | 0   | 0:00  | 0   |
| 464                  | Year-Round Residence | Non-Participating    | Scipio | 374732.66                          | 4738243.73 | 0:00  | 0   | 0:00  | 0   |
| 476                  | Year-Round Residence | Non-Participating    | Scipio | 376236.43                          | 4738096.80 | 0:00  | 0   | 0:00  | 0   |
| 503                  | Year-Round Residence | Non-Participating    | Scipio | 377399.08                          | 4735755.26 | 0:00  | 0   | 0:00  | 0   |
| 511                  | Year-Round Residence | Non-Participating    | Venice | 377390.89                          | 4734710.21 | 0:00  | 0   | 0:00  | 0   |
| 513                  | Year-Round Residence | Non-Participating    | Venice | 377662.14                          | 4734568.90 | 0:00  | 0   | 0:00  | 0   |
| 514                  | Year-Round Residence | Non-Participating    | Venice | 377842.22                          | 4734505.58 | 0:00  | 0   | 0:00  | 0   |
| 515                  | Year-Round Residence | Non-Participating    | Venice | 377718.11                          | 4734473.76 | 0:00  | 0   | 0:00  | 0   |
| 531                  | Year-Round Residence | Non-Participating    | Venice | 379218.26                          | 4732840.73 | 0:00  | 0   | 0:00  | 0   |
| 532                  | Year-Round Residence | Non-Participating    | Venice | 379327.75                          | 4732577.12 | 0:00  | 0   | 0:00  | 0   |
| 533                  | Year-Round Residence | Non-Participating    | Venice | 379283.30                          | 4732667.32 | 0:00  | 0   | 0:00  | 0   |
| 534                  | Year-Round Residence | Non-Participating    | Venice | 379403.04                          | 4732407.89 | 0:00  | 0   | 0:00  | 0   |
| 535                  | Year-Round Residence | Non-Participating    | Venice | 379258.15                          | 4732468.73 | 0:00  | 0   | 0:00  | 0   |
| 536                  | Year-Round Residence | Non-Participating    | Venice | 379094.69                          | 4732411.13 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 537                  | Year-Round Residence | Non-Participating    | Venice  | 379363.95                          | 4732280.39 | 0:00  | 0   | 0:00  | 0   |
| 538                  | Year-Round Residence | Non-Participating    | Venice  | 379480.39                          | 4732193.56 | 0:00  | 0   | 0:00  | 0   |
| 539                  | Year-Round Residence | Non-Participating    | Venice  | 379546.67                          | 4732144.37 | 0:00  | 0   | 0:00  | 0   |
| 540                  | Year-Round Residence | Non-Participating    | Venice  | 379419.37                          | 4732232.85 | 0:00  | 0   | 0:00  | 0   |
| 541                  | Year-Round Residence | Non-Participating    | Venice  | 379820.43                          | 4731962.69 | 0:00  | 0   | 0:00  | 0   |
| 542                  | Year-Round Residence | Non-Participating    | Venice  | 379695.95                          | 4732085.63 | 0:00  | 0   | 0:00  | 0   |
| 543                  | Year-Round Residence | Non-Participating    | Venice  | 379609.23                          | 4732090.52 | 0:00  | 0   | 0:00  | 0   |
| 544                  | Year-Round Residence | Non-Participating    | Venice  | 379945.84                          | 4731793.24 | 0:00  | 0   | 0:00  | 0   |
| 545                  | Year-Round Residence | Non-Participating    | Venice  | 379981.26                          | 4731686.87 | 0:00  | 0   | 0:00  | 0   |
| 546                  | Year-Round Residence | Non-Participating    | Moravia | 380117.58                          | 4731672.32 | 0:00  | 0   | 0:00  | 0   |
| 547                  | Year-Round Residence | Non-Participating    | Venice  | 380038.60                          | 4731625.49 | 0:00  | 0   | 0:00  | 0   |
| 548                  | Year-Round Residence | Non-Participating    | Moravia | 380253.21                          | 4731640.72 | 0:00  | 0   | 0:00  | 0   |
| 549                  | Year-Round Residence | Non-Participating    | Venice  | 380049.66                          | 4731556.63 | 0:00  | 0   | 0:00  | 0   |
| 550                  | Year-Round Residence | Non-Participating    | Moravia | 380327.64                          | 4731638.96 | 0:00  | 0   | 0:00  | 0   |
| 551                  | Year-Round Residence | Non-Participating    | Moravia | 380387.17                          | 4731622.60 | 0:00  | 0   | 0:00  | 0   |
| 552                  | Year-Round Residence | Non-Participating    | Moravia | 380517.73                          | 4731579.93 | 0:00  | 0   | 0:00  | 0   |
| 553                  | Year-Round Residence | Non-Participating    | Moravia | 380384.41                          | 4731512.45 | 0:00  | 0   | 0:00  | 0   |
| 557                  | Year-Round Residence | Non-Participating    | Venice  | 380052.09                          | 4731414.91 | 0:00  | 0   | 0:00  | 0   |
| 558                  | Year-Round Residence | Non-Participating    | Moravia | 380171.99                          | 4731107.26 | 0:00  | 0   | 0:00  | 0   |
| 559                  | Year-Round Residence | Non-Participating    | Venice  | 380051.70                          | 4731077.43 | 0:00  | 0   | 0:00  | 0   |
| 560                  | Year-Round Residence | Non-Participating    | Venice  | 380070.41                          | 4731133.11 | 0:00  | 0   | 0:00  | 0   |
| 563                  | Year-Round Residence | Non-Participating    | Moravia | 380148.32                          | 4730987.36 | 0:00  | 0   | 0:00  | 0   |
| 564                  | Year-Round Residence | Non-Participating    | Venice  | 380074.55                          | 4730966.22 | 0:00  | 0   | 0:00  | 0   |
| 565                  | Year-Round Residence | Non-Participating    | Venice  | 380050.06                          | 4730919.46 | 0:00  | 0   | 0:00  | 0   |
| 566                  | Year-Round Residence | Non-Participating    | Venice  | 380080.01                          | 4730850.60 | 0:00  | 0   | 0:00  | 0   |
| 567                  | Year-Round Residence | Non-Participating    | Moravia | 380139.31                          | 4730933.04 | 0:00  | 0   | 0:00  | 0   |
| 568                  | Year-Round Residence | Non-Participating    | Moravia | 380156.81                          | 4730878.23 | 0:00  | 0   | 0:00  | 0   |
| 569                  | Year-Round Residence | Non-Participating    | Venice  | 379948.14                          | 4730792.05 | 0:00  | 0   | 0:00  | 0   |
| 570                  | Year-Round Residence | Non-Participating    | Venice  | 380088.55                          | 4730725.12 | 0:00  | 0   | 0:00  | 0   |
| 571                  | Year-Round Residence | Non-Participating    | Venice  | 380077.94                          | 4730779.08 | 0:00  | 0   | 0:00  | 0   |
| 572                  | Year-Round Residence | Non-Participating    | Venice  | 380089.15                          | 4730505.34 | 0:00  | 0   | 0:00  | 0   |
| 594                  | Year-Round Residence | Non-Participating    | Venice  | 377961.92                          | 4732858.30 | 0:00  | 0   | 0:00  | 0   |
| 595                  | Year-Round Residence | Non-Participating    | Venice  | 378031.81                          | 4732844.29 | 0:00  | 0   | 0:00  | 0   |
| 596                  | Year-Round Residence | Non-Participating    | Venice  | 378092.86                          | 4732816.17 | 0:00  | 0   | 0:00  | 0   |
| 597                  | Year-Round Residence | Non-Participating    | Venice  | 378140.29                          | 4732840.04 | 0:00  | 0   | 0:00  | 0   |
| 598                  | Year-Round Residence | Non-Participating    | Venice  | 378195.62                          | 4732811.70 | 0:00  | 0   | 0:00  | 0   |
| 601                  | Year-Round Residence | Non-Participating    | Venice  | 378290.06                          | 4732938.80 | 0:00  | 0   | 0:00  | 0   |
| 604                  | Year-Round Residence | Non-Participating    | Venice  | 378503.69                          | 4732549.76 | 0:00  | 0   | 0:00  | 0   |
| 605                  | Year-Round Residence | Non-Participating    | Venice  | 378964.73                          | 4732608.41 | 0:00  | 0   | 0:00  | 0   |
| 618                  | Year-Round Residence | Non-Participating    | Venice  | 378481.17                          | 4731753.74 | 0:00  | 0   | 0:00  | 0   |
| 620                  | Year-Round Residence | Non-Participating    | Venice  | 379402.21                          | 4731828.34 | 0:00  | 0   | 0:00  | 0   |
| 621                  | Year-Round Residence | Non-Participating    | Venice  | 379019.02                          | 4731232.57 | 0:00  | 0   | 0:00  | 0   |
| 622                  | Year-Round Residence | Non-Participating    | Venice  | 379056.17                          | 4731120.91 | 0:00  | 0   | 0:00  | 0   |
| 623                  | Year-Round Residence | Non-Participating    | Venice  | 379112.86                          | 4730897.01 | 0:00  | 0   | 0:00  | 0   |
| 626                  | Year-Round Residence | Non-Participating    | Venice  | 379025.01                          | 4730721.60 | 0:00  | 0   | 0:00  | 0   |
| 627                  | Year-Round Residence | Non-Participating    | Venice  | 379069.55                          | 4730120.77 | 0:00  | 0   | 0:00  | 0   |
| 628                  | Year-Round Residence | Non-Participating    | Venice  | 379238.06                          | 4730068.39 | 0:00  | 0   | 0:00  | 0   |
| 629                  | Year-Round Residence | Non-Participating    | Venice  | 379308.52                          | 4730145.22 | 0:00  | 0   | 0:00  | 0   |
| 630                  | Year-Round Residence | Non-Participating    | Venice  | 379177.59                          | 4730063.69 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 636                  | Year-Round Residence | Non-Participating    | Venice | 377111.10                          | 4730900.97 | 0:00  | 0   | 0:00  | 0   |
| 638                  | Year-Round Residence | Non-Participating    | Venice | 377187.78                          | 4730473.68 | 0:00  | 0   | 0:00  | 0   |
| 639                  | Year-Round Residence | Non-Participating    | Venice | 377177.56                          | 4730583.35 | 0:00  | 0   | 0:00  | 0   |
| 645                  | Year-Round Residence | Non-Participating    | Venice | 377209.87                          | 4730089.36 | 0:00  | 0   | 0:00  | 0   |
| 648                  | Year-Round Residence | Non-Participating    | Venice | 378158.82                          | 4730088.50 | 0:00  | 0   | 0:00  | 0   |
| 651                  | Year-Round Residence | Non-Participating    | Venice | 378627.37                          | 4730467.53 | 0:00  | 0   | 0:00  | 0   |
| 652                  | Year-Round Residence | Non-Participating    | Venice | 378627.90                          | 4730413.63 | 0:00  | 0   | 0:00  | 0   |
| 653                  | Year-Round Residence | Non-Participating    | Venice | 378625.27                          | 4730355.69 | 0:00  | 0   | 0:00  | 0   |
| 654                  | Year-Round Residence | Non-Participating    | Venice | 378625.42                          | 4730281.78 | 0:00  | 0   | 0:00  | 0   |
| 655                  | Year-Round Residence | Non-Participating    | Venice | 378622.63                          | 4730187.39 | 0:00  | 0   | 0:00  | 0   |
| 656                  | Year-Round Residence | Non-Participating    | Venice | 378620.09                          | 4730134.07 | 0:00  | 0   | 0:00  | 0   |
| 657                  | Year-Round Residence | Non-Participating    | Venice | 378886.27                          | 4730123.94 | 0:00  | 0   | 0:00  | 0   |
| 658                  | Year-Round Residence | Non-Participating    | Venice | 378710.66                          | 4730010.22 | 0:00  | 0   | 0:00  | 0   |
| 659                  | Year-Round Residence | Non-Participating    | Venice | 378199.52                          | 4729189.92 | 0:00  | 0   | 0:00  | 0   |
| 664                  | Year-Round Residence | Non-Participating    | Venice | 377189.15                          | 4729884.45 | 0:00  | 0   | 0:00  | 0   |
| 670                  | Year-Round Residence | Non-Participating    | Venice | 377145.68                          | 4729609.03 | 0:00  | 0   | 0:00  | 0   |
| 671                  | Year-Round Residence | Non-Participating    | Venice | 377136.49                          | 4729219.93 | 0:00  | 0   | 0:00  | 0   |
| 672                  | Year-Round Residence | Non-Participating    | Scipio | 373751.33                          | 4740767.95 | 0:00  | 0   | 0:00  | 0   |
| 673                  | Year-Round Residence | Non-Participating    | Scipio | 373593.96                          | 4740365.45 | 0:00  | 0   | 0:00  | 0   |
| 674                  | Year-Round Residence | Non-Participating    | Scipio | 374002.17                          | 4739615.65 | 0:00  | 0   | 0:00  | 0   |
| 675                  | Year-Round Residence | Non-Participating    | Scipio | 373772.19                          | 4739547.63 | 0:00  | 0   | 0:00  | 0   |
| 676                  | Year-Round Residence | Non-Participating    | Scipio | 374237.87                          | 4739548.19 | 0:00  | 0   | 0:00  | 0   |
| 677                  | Year-Round Residence | Non-Participating    | Scipio | 374192.31                          | 4739616.21 | 0:00  | 0   | 0:00  | 0   |
| 679                  | Year-Round Residence | Non-Participating    | Scipio | 374559.59                          | 4739622.40 | 0:00  | 0   | 0:00  | 0   |
| 680                  | Year-Round Residence | Non-Participating    | Scipio | 374593.28                          | 4739619.01 | 0:00  | 0   | 0:00  | 0   |
| 682                  | Year-Round Residence | Non-Participating    | Scipio | 372382.31                          | 4740812.30 | 0:00  | 0   | 0:00  | 0   |
| 686                  | Year-Round Residence | Non-Participating    | Scipio | 372485.00                          | 4739857.00 | 0:00  | 0   | 0:00  | 0   |
| 690                  | Year-Round Residence | Non-Participating    | Scipio | 372583.11                          | 4739578.92 | 0:00  | 0   | 0:00  | 0   |
| 691                  | Year-Round Residence | Non-Participating    | Scipio | 372375.07                          | 4739560.78 | 0:00  | 0   | 0:00  | 0   |
| 692                  | Year-Round Residence | Non-Participating    | Scipio | 372416.23                          | 4739551.40 | 0:00  | 0   | 0:00  | 0   |
| 696                  | Year-Round Residence | Non-Participating    | Scipio | 373521.24                          | 4739591.61 | 0:00  | 0   | 0:00  | 0   |
| 697                  | Year-Round Residence | Non-Participating    | Scipio | 373478.20                          | 4739592.76 | 0:00  | 0   | 0:00  | 0   |
| 704                  | Year-Round Residence | Non-Participating    | Scipio | 372493.88                          | 4739258.69 | 0:00  | 0   | 0:00  | 0   |
| 706                  | Year-Round Residence | Non-Participating    | Scipio | 372428.89                          | 4739083.59 | 0:00  | 0   | 0:00  | 0   |
| 707                  | Year-Round Residence | Non-Participating    | Scipio | 372523.75                          | 4738792.38 | 0:00  | 0   | 0:00  | 0   |
| 712                  | Year-Round Residence | Non-Participating    | Scipio | 372511.71                          | 4738311.56 | 0:00  | 0   | 0:00  | 0   |
| 713                  | Year-Round Residence | Non-Participating    | Scipio | 372513.14                          | 4738267.39 | 0:00  | 0   | 0:00  | 0   |
| 714                  | Year-Round Residence | Non-Participating    | Scipio | 372515.61                          | 4738212.16 | 0:00  | 0   | 0:00  | 0   |
| 715                  | Year-Round Residence | Non-Participating    | Scipio | 372516.13                          | 4738186.32 | 0:00  | 0   | 0:00  | 0   |
| 716                  | Year-Round Residence | Non-Participating    | Scipio | 372511.99                          | 4738126.20 | 0:00  | 0   | 0:00  | 0   |
| 719                  | Year-Round Residence | Non-Participating    | Scipio | 372431.11                          | 4738039.69 | 0:00  | 0   | 0:00  | 0   |
| 723                  | Year-Round Residence | Non-Participating    | Scipio | 372450.31                          | 4737940.26 | 0:00  | 0   | 0:00  | 0   |
| 724                  | Year-Round Residence | Non-Participating    | Scipio | 372469.28                          | 4737922.09 | 0:00  | 0   | 0:00  | 0   |
| 725                  | Year-Round Residence | Non-Participating    | Scipio | 372578.41                          | 4737936.85 | 0:00  | 0   | 0:00  | 0   |
| 726                  | Year-Round Residence | Non-Participating    | Scipio | 372520.46                          | 4737989.60 | 0:00  | 0   | 0:00  | 0   |
| 727                  | Year-Round Residence | Non-Participating    | Scipio | 372634.62                          | 4737938.55 | 0:00  | 0   | 0:00  | 0   |
| 728                  | Year-Round Residence | Non-Participating    | Scipio | 372612.28                          | 4737937.47 | 0:00  | 0   | 0:00  | 0   |
| 729                  | Year-Round Residence | Non-Participating    | Scipio | 372639.18                          | 4737994.15 | 0:00  | 0   | 0:00  | 0   |
| 733                  | Year-Round Residence | Non-Participating    | Scipio | 372686.52                          | 4737991.00 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 734                  | Year-Round Residence | Non-Participating    | Scipio | 372677.87                          | 4737930.72 | 0:00  | 0   | 0:00  | 0   |
| 735                  | Year-Round Residence | Non-Participating    | Scipio | 372721.40                          | 4737938.18 | 0:00  | 0   | 0:00  | 0   |
| 736                  | Year-Round Residence | Non-Participating    | Scipio | 372760.56                          | 4737993.37 | 0:00  | 0   | 0:00  | 0   |
| 737                  | Year-Round Residence | Non-Participating    | Scipio | 372830.88                          | 4737998.57 | 0:00  | 0   | 0:00  | 0   |
| 739                  | Year-Round Residence | Non-Participating    | Scipio | 372838.18                          | 4737933.23 | 0:00  | 0   | 0:00  | 0   |
| 741                  | Year-Round Residence | Non-Participating    | Scipio | 372914.97                          | 4737988.72 | 0:00  | 0   | 0:00  | 0   |
| 742                  | Year-Round Residence | Non-Participating    | Scipio | 372889.15                          | 4737936.03 | 0:00  | 0   | 0:00  | 0   |
| 763                  | Year-Round Residence | Non-Participating    | Scipio | 372458.81                          | 4737892.80 | 0:00  | 0   | 0:00  | 0   |
| 764                  | Year-Round Residence | Non-Participating    | Scipio | 372520.83                          | 4737814.92 | 0:00  | 0   | 0:00  | 0   |
| 765                  | Year-Round Residence | Non-Participating    | Scipio | 372465.00                          | 4737846.83 | 0:00  | 0   | 0:00  | 0   |
| 769                  | Year-Round Residence | Non-Participating    | Scipio | 372476.22                          | 4737763.30 | 0:00  | 0   | 0:00  | 0   |
| 770                  | Year-Round Residence | Non-Participating    | Scipio | 372473.50                          | 4737712.43 | 0:00  | 0   | 0:00  | 0   |
| 771                  | Year-Round Residence | Non-Participating    | Scipio | 372527.93                          | 4737734.99 | 0:00  | 0   | 0:00  | 0   |
| 789                  | Year-Round Residence | Non-Participating    | Scipio | 372538.19                          | 4735839.04 | 0:00  | 0   | 0:00  | 0   |
| 791                  | Year-Round Residence | Non-Participating    | Scipio | 373074.74                          | 4735843.27 | 0:00  | 0   | 0:00  | 0   |
| 826                  | Year-Round Residence | Non-Participating    | Venice | 375925.93                          | 4733038.83 | 0:00  | 0   | 0:00  | 0   |
| 853                  | Year-Round Residence | Non-Participating    | Venice | 375705.30                          | 4730990.51 | 0:00  | 0   | 0:00  | 0   |
| 854                  | Year-Round Residence | Non-Participating    | Venice | 375779.95                          | 4730574.81 | 0:00  | 0   | 0:00  | 0   |
| 855                  | Year-Round Residence | Non-Participating    | Venice | 376137.98                          | 4730055.92 | 0:00  | 0   | 0:00  | 0   |
| 859                  | Year-Round Residence | Non-Participating    | Venice | 375827.90                          | 4729868.11 | 0:00  | 0   | 0:00  | 0   |
| 860                  | Year-Round Residence | Non-Participating    | Venice | 376084.55                          | 4729222.10 | 0:00  | 0   | 0:00  | 0   |
| 861                  | Year-Round Residence | Non-Participating    | Venice | 376139.57                          | 4728867.53 | 0:00  | 0   | 0:00  | 0   |
| 863                  | Year-Round Residence | Non-Participating    | Venice | 376187.16                          | 4728523.95 | 0:00  | 0   | 0:00  | 0   |
| 864                  | Year-Round Residence | Non-Participating    | Venice | 376134.79                          | 4728559.72 | 0:00  | 0   | 0:00  | 0   |
| 866                  | Year-Round Residence | Non-Participating    | Venice | 376094.75                          | 4728297.67 | 0:00  | 0   | 0:00  | 0   |
| 891                  | Year-Round Residence | Non-Participating    | Venice | 372597.84                          | 4733085.32 | 0:00  | 0   | 0:00  | 0   |
| 893                  | Year-Round Residence | Non-Participating    | Venice | 372639.17                          | 4733091.16 | 0:00  | 0   | 0:00  | 0   |
| 894                  | Year-Round Residence | Non-Participating    | Venice | 372643.58                          | 4733067.49 | 0:00  | 0   | 0:00  | 0   |
| 895                  | Year-Round Residence | Non-Participating    | Venice | 372669.08                          | 4732993.39 | 0:00  | 0   | 0:00  | 0   |
| 898                  | Year-Round Residence | Non-Participating    | Venice | 372837.34                          | 4732902.14 | 0:00  | 0   | 0:00  | 0   |
| 909                  | Year-Round Residence | Non-Participating    | Venice | 374416.57                          | 4732998.69 | 0:00  | 0   | 0:00  | 0   |
| 910                  | Year-Round Residence | Non-Participating    | Venice | 374428.35                          | 4733016.38 | 0:00  | 0   | 0:00  | 0   |
| 930                  | Year-Round Residence | Non-Participating    | Venice | 373553.30                          | 4731613.11 | 0:00  | 0   | 0:00  | 0   |
| 946                  | Year-Round Residence | Non-Participating    | Venice | 373281.23                          | 4730707.63 | 0:00  | 0   | 0:00  | 0   |
| 949                  | Year-Round Residence | Non-Participating    | Venice | 373454.13                          | 4730339.13 | 0:00  | 0   | 0:00  | 0   |
| 950                  | Year-Round Residence | Non-Participating    | Venice | 373513.16                          | 4730245.92 | 0:00  | 0   | 0:00  | 0   |
| 958                  | Year-Round Residence | Non-Participating    | Venice | 373427.79                          | 4730045.06 | 0:00  | 0   | 0:00  | 0   |
| 959                  | Year-Round Residence | Non-Participating    | Venice | 373764.55                          | 4730062.23 | 0:00  | 0   | 0:00  | 0   |
| 960                  | Year-Round Residence | Non-Participating    | Venice | 373644.54                          | 4729935.02 | 0:00  | 0   | 0:00  | 0   |
| 961                  | Year-Round Residence | Non-Participating    | Venice | 373763.67                          | 4729799.06 | 0:00  | 0   | 0:00  | 0   |
| 962                  | Year-Round Residence | Non-Participating    | Venice | 373813.04                          | 4729475.92 | 0:00  | 0   | 0:00  | 0   |
| 966                  | Year-Round Residence | Non-Participating    | Venice | 374049.59                          | 4728848.78 | 0:00  | 0   | 0:00  | 0   |
| 967                  | Year-Round Residence | Non-Participating    | Venice | 374010.11                          | 4728714.02 | 0:00  | 0   | 0:00  | 0   |
| 973                  | Year-Round Residence | Non-Participating    | Venice | 374147.12                          | 4728456.35 | 0:00  | 0   | 0:00  | 0   |
| 975                  | Year-Round Residence | Non-Participating    | Venice | 374427.97                          | 4728254.59 | 0:00  | 0   | 0:00  | 0   |
| 976                  | Year-Round Residence | Non-Participating    | Venice | 374499.57                          | 4727588.59 | 0:00  | 0   | 0:00  | 0   |
| 977                  | Year-Round Residence | Non-Participating    | Venice | 374528.05                          | 4727540.76 | 0:00  | 0   | 0:00  | 0   |
| 978                  | Year-Round Residence | Non-Participating    | Venice | 374410.04                          | 4727545.45 | 0:00  | 0   | 0:00  | 0   |
| 979                  | Year-Round Residence | Non-Participating    | Venice | 374456.43                          | 4727447.51 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 985                  | Year-Round Residence | Non-Participating    | Venice | 374677.55                          | 4727550.41 | 0:00  | 0   | 0:00  | 0   |
| 986                  | Year-Round Residence | Non-Participating    | Venice | 374593.06                          | 4727546.59 | 0:00  | 0   | 0:00  | 0   |
| 987                  | Year-Round Residence | Non-Participating    | Venice | 374724.84                          | 4727671.09 | 0:00  | 0   | 0:00  | 0   |
| 989                  | Year-Round Residence | Non-Participating    | Scipio | 370635.99                          | 4740556.00 | 0:00  | 0   | 0:00  | 0   |
| 990                  | Year-Round Residence | Non-Participating    | Scipio | 370698.10                          | 4740558.67 | 0:00  | 0   | 0:00  | 0   |
| 991                  | Year-Round Residence | Non-Participating    | Scipio | 370628.23                          | 4740466.57 | 0:00  | 0   | 0:00  | 0   |
| 992                  | Year-Round Residence | Non-Participating    | Scipio | 370634.28                          | 4740209.25 | 0:00  | 0   | 0:00  | 0   |
| 994                  | Year-Round Residence | Non-Participating    | Scipio | 370578.79                          | 4739860.96 | 0:00  | 0   | 0:00  | 0   |
| 998                  | Year-Round Residence | Non-Participating    | Scipio | 370350.80                          | 4739781.42 | 0:00  | 0   | 0:00  | 0   |
| 999                  | Year-Round Residence | Non-Participating    | Scipio | 370198.64                          | 4739804.76 | 0:00  | 0   | 0:00  | 0   |
| 1000                 | Year-Round Residence | Non-Participating    | Scipio | 370071.45                          | 4739658.07 | 0:00  | 0   | 0:00  | 0   |
| 1001                 | Year-Round Residence | Non-Participating    | Scipio | 369882.41                          | 4739710.88 | 0:00  | 0   | 0:00  | 0   |
| 1002                 | Year-Round Residence | Non-Participating    | Scipio | 369531.59                          | 4739751.06 | 0:00  | 0   | 0:00  | 0   |
| 1004                 | Year-Round Residence | Non-Participating    | Scipio | 370522.33                          | 4739516.89 | 0:00  | 0   | 0:00  | 0   |
| 1005                 | Year-Round Residence | Non-Participating    | Scipio | 370528.91                          | 4739355.01 | 0:00  | 0   | 0:00  | 0   |
| 1006                 | Year-Round Residence | Non-Participating    | Scipio | 370517.17                          | 4739465.89 | 0:00  | 0   | 0:00  | 0   |
| 1007                 | Year-Round Residence | Non-Participating    | Scipio | 370821.72                          | 4739460.53 | 0:00  | 0   | 0:00  | 0   |
| 1009                 | Year-Round Residence | Non-Participating    | Scipio | 371354.10                          | 4739524.57 | 0:00  | 0   | 0:00  | 0   |
| 1010                 | Year-Round Residence | Non-Participating    | Scipio | 371862.43                          | 4739542.54 | 0:00  | 0   | 0:00  | 0   |
| 1011                 | Year-Round Residence | Non-Participating    | Scipio | 370523.87                          | 4739200.23 | 0:00  | 0   | 0:00  | 0   |
| 1012                 | Year-Round Residence | Non-Participating    | Scipio | 370541.50                          | 4739143.51 | 0:00  | 0   | 0:00  | 0   |
| 1015                 | Year-Round Residence | Non-Participating    | Scipio | 370544.70                          | 4738981.30 | 0:00  | 0   | 0:00  | 0   |
| 1016                 | Year-Round Residence | Non-Participating    | Scipio | 370540.26                          | 4738900.02 | 0:00  | 0   | 0:00  | 0   |
| 1017                 | Year-Round Residence | Non-Participating    | Scipio | 370536.77                          | 4738798.84 | 0:00  | 0   | 0:00  | 0   |
| 1018                 | Year-Round Residence | Non-Participating    | Scipio | 370472.45                          | 4738704.63 | 0:00  | 0   | 0:00  | 0   |
| 1020                 | Year-Round Residence | Non-Participating    | Scipio | 370452.63                          | 4738107.00 | 0:00  | 0   | 0:00  | 0   |
| 1021                 | Year-Round Residence | Non-Participating    | Scipio | 370473.55                          | 4738175.43 | 0:00  | 0   | 0:00  | 0   |
| 1024                 | Year-Round Residence | Non-Participating    | Scipio | 370349.66                          | 4737924.26 | 0:00  | 0   | 0:00  | 0   |
| 1025                 | Year-Round Residence | Non-Participating    | Scipio | 370352.04                          | 4737853.18 | 0:00  | 0   | 0:00  | 0   |
| 1026                 | Year-Round Residence | Non-Participating    | Scipio | 370434.60                          | 4737917.10 | 0:00  | 0   | 0:00  | 0   |
| 1027                 | Year-Round Residence | Non-Participating    | Scipio | 370681.79                          | 4737939.76 | 0:00  | 0   | 0:00  | 0   |
| 1028                 | Year-Round Residence | Non-Participating    | Scipio | 370688.43                          | 4737855.88 | 0:00  | 0   | 0:00  | 0   |
| 1029                 | Year-Round Residence | Non-Participating    | Scipio | 370790.55                          | 4737930.56 | 0:00  | 0   | 0:00  | 0   |
| 1031                 | Year-Round Residence | Non-Participating    | Scipio | 371148.25                          | 4737953.00 | 0:00  | 0   | 0:00  | 0   |
| 1032                 | Year-Round Residence | Non-Participating    | Scipio | 371119.04                          | 4737893.65 | 0:00  | 0   | 0:00  | 0   |
| 1035                 | Year-Round Residence | Non-Participating    | Scipio | 371586.89                          | 4737971.67 | 0:00  | 0   | 0:00  | 0   |
| 1036                 | Year-Round Residence | Non-Participating    | Scipio | 371426.94                          | 4737962.80 | 0:00  | 0   | 0:00  | 0   |
| 1040                 | Year-Round Residence | Non-Participating    | Scipio | 372193.09                          | 4737927.02 | 0:00  | 0   | 0:00  | 0   |
| 1041                 | Year-Round Residence | Non-Participating    | Scipio | 372223.67                          | 4737890.14 | 0:00  | 0   | 0:00  | 0   |
| 1042                 | Year-Round Residence | Non-Participating    | Scipio | 372273.70                          | 4737934.69 | 0:00  | 0   | 0:00  | 0   |
| 1043                 | Year-Round Residence | Non-Participating    | Scipio | 372294.81                          | 4737938.87 | 0:00  | 0   | 0:00  | 0   |
| 1044                 | Year-Round Residence | Non-Participating    | Scipio | 372335.35                          | 4737938.96 | 0:00  | 0   | 0:00  | 0   |
| 1045                 | Year-Round Residence | Non-Participating    | Scipio | 372417.82                          | 4737940.46 | 0:00  | 0   | 0:00  | 0   |
| 1048                 | Year-Round Residence | Non-Participating    | Scipio | 370362.13                          | 4737411.30 | 0:00  | 0   | 0:00  | 0   |
| 1049                 | Year-Round Residence | Non-Participating    | Scipio | 370431.96                          | 4737296.15 | 0:00  | 0   | 0:00  | 0   |
| 1050                 | Year-Round Residence | Non-Participating    | Scipio | 370397.68                          | 4737235.04 | 0:00  | 0   | 0:00  | 0   |
| 1060                 | Year-Round Residence | Non-Participating    | Scipio | 370737.30                          | 4735824.12 | 0:00  | 0   | 0:00  | 0   |
| 1061                 | Year-Round Residence | Non-Participating    | Scipio | 370796.17                          | 4735753.47 | 0:00  | 0   | 0:00  | 0   |
| 1068                 | Year-Round Residence | Non-Participating    | Scipio | 370984.92                          | 4735784.99 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1069                 | Year-Round Residence | Non-Participating    | Scipio | 370941.32                          | 4735776.20 | 0:00  | 0   | 0:00  | 0   |
| 1071                 | Year-Round Residence | Non-Participating    | Scipio | 371627.95                          | 4735862.12 | 0:00  | 0   | 0:00  | 0   |
| 1072                 | Year-Round Residence | Non-Participating    | Scipio | 371852.44                          | 4735915.93 | 0:00  | 0   | 0:00  | 0   |
| 1077                 | Year-Round Residence | Non-Participating    | Scipio | 372351.38                          | 4735665.18 | 0:00  | 0   | 0:00  | 0   |
| 1078                 | Year-Round Residence | Non-Participating    | Scipio | 370668.53                          | 4735769.92 | 0:00  | 0   | 0:00  | 0   |
| 1079                 | Year-Round Residence | Non-Participating    | Scipio | 370822.45                          | 4735679.32 | 0:00  | 0   | 0:00  | 0   |
| 1080                 | Year-Round Residence | Non-Participating    | Scipio | 370834.95                          | 4735677.92 | 0:00  | 0   | 0:00  | 0   |
| 1081                 | Year-Round Residence | Non-Participating    | Scipio | 370851.09                          | 4735668.58 | 0:00  | 0   | 0:00  | 0   |
| 1082                 | Year-Round Residence | Non-Participating    | Scipio | 370854.12                          | 4735658.91 | 0:00  | 0   | 0:00  | 0   |
| 1092                 | Year-Round Residence | Non-Participating    | Scipio | 370825.53                          | 4734806.52 | 0:00  | 0   | 0:00  | 0   |
| 1095                 | Year-Round Residence | Non-Participating    | Scipio | 371580.56                          | 4734816.77 | 0:00  | 0   | 0:00  | 0   |
| 1104                 | Year-Round Residence | Non-Participating    | Venice | 370896.40                          | 4734478.04 | 0:00  | 0   | 0:00  | 0   |
| 1107                 | Year-Round Residence | Non-Participating    | Venice | 370847.21                          | 4734272.15 | 0:00  | 0   | 0:00  | 0   |
| 1108                 | Year-Round Residence | Non-Participating    | Venice | 370879.40                          | 4733951.64 | 0:00  | 0   | 0:00  | 0   |
| 1113                 | Year-Round Residence | Non-Participating    | Venice | 370936.50                          | 4733488.98 | 0:00  | 0   | 0:00  | 0   |
| 1116                 | Year-Round Residence | Non-Participating    | Venice | 372285.65                          | 4732919.49 | 0:00  | 0   | 0:00  | 0   |
| 1127                 | Year-Round Residence | Non-Participating    | Venice | 372589.81                          | 4733019.10 | 0:00  | 0   | 0:00  | 0   |
| 1128                 | Year-Round Residence | Non-Participating    | Venice | 372582.06                          | 4732927.73 | 0:00  | 0   | 0:00  | 0   |
| 1129                 | Year-Round Residence | Non-Participating    | Venice | 372542.30                          | 4732925.09 | 0:00  | 0   | 0:00  | 0   |
| 1133                 | Year-Round Residence | Non-Participating    | Venice | 371065.32                          | 4732364.50 | 0:00  | 0   | 0:00  | 0   |
| 1136                 | Year-Round Residence | Non-Participating    | Venice | 371144.54                          | 4732149.09 | 0:00  | 0   | 0:00  | 0   |
| 1152                 | Year-Round Residence | Non-Participating    | Venice | 370896.62                          | 4731944.72 | 0:00  | 0   | 0:00  | 0   |
| 1153                 | Year-Round Residence | Non-Participating    | Venice | 370742.82                          | 4731739.97 | 0:00  | 0   | 0:00  | 0   |
| 1154                 | Year-Round Residence | Non-Participating    | Venice | 370733.21                          | 4731153.71 | 0:00  | 0   | 0:00  | 0   |
| 1155                 | Year-Round Residence | Non-Participating    | Venice | 370677.56                          | 4731138.61 | 0:00  | 0   | 0:00  | 0   |
| 1156                 | Year-Round Residence | Non-Participating    | Venice | 371035.82                          | 4730909.73 | 0:00  | 0   | 0:00  | 0   |
| 1158                 | Year-Round Residence | Non-Participating    | Venice | 371261.41                          | 4731003.25 | 0:00  | 0   | 0:00  | 0   |
| 1159                 | Year-Round Residence | Non-Participating    | Venice | 371318.22                          | 4730914.77 | 0:00  | 0   | 0:00  | 0   |
| 1161                 | Year-Round Residence | Non-Participating    | Venice | 371581.43                          | 4731404.85 | 0:00  | 0   | 0:00  | 0   |
| 1162                 | Year-Round Residence | Non-Participating    | Venice | 371429.57                          | 4731581.17 | 0:00  | 0   | 0:00  | 0   |
| 1163                 | Year-Round Residence | Non-Participating    | Venice | 371407.66                          | 4731628.67 | 0:00  | 0   | 0:00  | 0   |
| 1164                 | Year-Round Residence | Non-Participating    | Venice | 372006.30                          | 4730073.93 | 0:00  | 0   | 0:00  | 0   |
| 1165                 | Year-Round Residence | Non-Participating    | Venice | 372058.30                          | 4729964.80 | 0:00  | 0   | 0:00  | 0   |
| 1167                 | Year-Round Residence | Non-Participating    | Venice | 372128.51                          | 4729716.48 | 0:00  | 0   | 0:00  | 0   |
| 1169                 | Year-Round Residence | Non-Participating    | Venice | 372319.27                          | 4729171.25 | 0:00  | 0   | 0:00  | 0   |
| 1170                 | Year-Round Residence | Non-Participating    | Venice | 372411.85                          | 4729072.80 | 0:00  | 0   | 0:00  | 0   |
| 1172                 | Year-Round Residence | Non-Participating    | Venice | 372384.80                          | 4728914.66 | 0:00  | 0   | 0:00  | 0   |
| 1173                 | Year-Round Residence | Non-Participating    | Venice | 372375.10                          | 4728866.30 | 0:00  | 0   | 0:00  | 0   |
| 1174                 | Year-Round Residence | Non-Participating    | Venice | 372580.64                          | 4728346.41 | 0:00  | 0   | 0:00  | 0   |
| 1176                 | Year-Round Residence | Non-Participating    | Venice | 372835.40                          | 4727842.73 | 0:00  | 0   | 0:00  | 0   |
| 1179                 | Year-Round Residence | Non-Participating    | Venice | 372780.48                          | 4727718.85 | 0:00  | 0   | 0:00  | 0   |
| 1181                 | Year-Round Residence | Non-Participating    | Venice | 373988.03                          | 4727567.69 | 0:00  | 0   | 0:00  | 0   |
| 1182                 | Year-Round Residence | Non-Participating    | Venice | 373846.44                          | 4727600.47 | 0:00  | 0   | 0:00  | 0   |
| 1183                 | Year-Round Residence | Non-Participating    | Venice | 373877.97                          | 4727507.40 | 0:00  | 0   | 0:00  | 0   |
| 1185                 | Year-Round Residence | Non-Participating    | Venice | 372892.74                          | 4730200.61 | 0:00  | 0   | 0:00  | 0   |
| 1188                 | Year-Round Residence | Non-Participating    | Scipio | 369085.70                          | 4738963.06 | 0:00  | 0   | 0:00  | 0   |
| 1189                 | Year-Round Residence | Non-Participating    | Scipio | 369147.02                          | 4738784.19 | 0:00  | 0   | 0:00  | 0   |
| 1190                 | Year-Round Residence | Non-Participating    | Scipio | 369194.56                          | 4738710.07 | 0:00  | 0   | 0:00  | 0   |
| 1191                 | Year-Round Residence | Non-Participating    | Scipio | 369201.58                          | 4738689.02 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1192                 | Year-Round Residence | Non-Participating    | Scipio | 369290.09                          | 4738401.70 | 0:00  | 0   | 0:00  | 0   |
| 1193                 | Year-Round Residence | Non-Participating    | Scipio | 369388.53                          | 4737969.73 | 0:00  | 0   | 0:00  | 0   |
| 1194                 | Year-Round Residence | Non-Participating    | Scipio | 369361.68                          | 4737873.93 | 0:00  | 0   | 0:00  | 0   |
| 1195                 | Year-Round Residence | Non-Participating    | Scipio | 369416.05                          | 4737868.77 | 0:00  | 0   | 0:00  | 0   |
| 1196                 | Year-Round Residence | Non-Participating    | Scipio | 370018.47                          | 4737909.32 | 0:00  | 0   | 0:00  | 0   |
| 1197                 | Year-Round Residence | Non-Participating    | Scipio | 369870.77                          | 4737835.68 | 0:00  | 0   | 0:00  | 0   |
| 1198                 | Year-Round Residence | Non-Participating    | Scipio | 369897.60                          | 4737887.84 | 0:00  | 0   | 0:00  | 0   |
| 1199                 | Year-Round Residence | Non-Participating    | Scipio | 370056.92                          | 4737846.17 | 0:00  | 0   | 0:00  | 0   |
| 1200                 | Year-Round Residence | Non-Participating    | Scipio | 370061.19                          | 4737900.28 | 0:00  | 0   | 0:00  | 0   |
| 1202                 | Year-Round Residence | Non-Participating    | Scipio | 370140.34                          | 4737839.63 | 0:00  | 0   | 0:00  | 0   |
| 1205                 | Year-Round Residence | Non-Participating    | Scipio | 369449.40                          | 4737790.37 | 0:00  | 0   | 0:00  | 0   |
| 1206                 | Year-Round Residence | Non-Participating    | Scipio | 369577.30                          | 4737144.02 | 0:00  | 0   | 0:00  | 0   |
| 1207                 | Year-Round Residence | Non-Participating    | Scipio | 369512.07                          | 4737207.79 | 0:00  | 0   | 0:00  | 0   |
| 1209                 | Year-Round Residence | Non-Participating    | Scipio | 369538.47                          | 4737068.15 | 0:00  | 0   | 0:00  | 0   |
| 1213                 | Year-Round Residence | Non-Participating    | Scipio | 369541.06                          | 4736695.86 | 0:00  | 0   | 0:00  | 0   |
| 1215                 | Year-Round Residence | Non-Participating    | Scipio | 369515.39                          | 4735798.02 | 0:00  | 0   | 0:00  | 0   |
| 1216                 | Year-Round Residence | Non-Participating    | Scipio | 369605.83                          | 4735790.39 | 0:00  | 0   | 0:00  | 0   |
| 1220                 | Year-Round Residence | Non-Participating    | Scipio | 370111.60                          | 4735941.57 | 0:00  | 0   | 0:00  | 0   |
| 1221                 | Year-Round Residence | Non-Participating    | Scipio | 370072.30                          | 4735808.85 | 0:00  | 0   | 0:00  | 0   |
| 1222                 | Year-Round Residence | Non-Participating    | Scipio | 370207.37                          | 4735830.85 | 0:00  | 0   | 0:00  | 0   |
| 1223                 | Year-Round Residence | Non-Participating    | Scipio | 370320.12                          | 4735811.98 | 0:00  | 0   | 0:00  | 0   |
| 1224                 | Year-Round Residence | Non-Participating    | Scipio | 370372.61                          | 4735834.63 | 0:00  | 0   | 0:00  | 0   |
| 1225                 | Year-Round Residence | Non-Participating    | Scipio | 370481.01                          | 4735870.90 | 0:00  | 0   | 0:00  | 0   |
| 1226                 | Year-Round Residence | Non-Participating    | Scipio | 370615.10                          | 4735822.96 | 0:02  | 1   | 0:00  | 0   |
| 1227                 | Year-Round Residence | Non-Participating    | Scipio | 370524.14                          | 4735822.94 | 0:00  | 0   | 0:00  | 0   |
| 1228                 | Year-Round Residence | Non-Participating    | Scipio | 370562.34                          | 4735746.58 | 0:00  | 0   | 0:00  | 0   |
| 1229                 | Year-Round Residence | Non-Participating    | Scipio | 370476.78                          | 4735850.84 | 0:00  | 0   | 0:00  | 0   |
| 1230                 | Year-Round Residence | Non-Participating    | Scipio | 369194.35                          | 4735646.67 | 0:00  | 0   | 0:00  | 0   |
| 1231                 | Year-Round Residence | Non-Participating    | Scipio | 368616.98                          | 4735594.86 | 0:00  | 0   | 0:00  | 0   |
| 1232                 | Year-Round Residence | Non-Participating    | Scipio | 369540.78                          | 4735285.06 | 0:00  | 0   | 0:00  | 0   |
| 1233                 | Year-Round Residence | Non-Participating    | Scipio | 369619.47                          | 4735310.17 | 0:00  | 0   | 0:00  | 0   |
| 1234                 | Year-Round Residence | Non-Participating    | Scipio | 369627.39                          | 4735256.20 | 0:00  | 0   | 0:00  | 0   |
| 1235                 | Year-Round Residence | Non-Participating    | Scipio | 369562.65                          | 4735161.54 | 0:00  | 0   | 0:00  | 0   |
| 1237                 | Year-Round Residence | Non-Participating    | Venice | 369329.74                          | 4734679.28 | 0:00  | 0   | 0:00  | 0   |
| 1238                 | Year-Round Residence | Non-Participating    | Venice | 369261.99                          | 4734679.19 | 0:00  | 0   | 0:00  | 0   |
| 1239                 | Year-Round Residence | Non-Participating    | Scipio | 369176.77                          | 4734764.54 | 0:00  | 0   | 0:00  | 0   |
| 1241                 | Year-Round Residence | Non-Participating    | Venice | 369680.97                          | 4734672.69 | 0:00  | 0   | 0:00  | 0   |
| 1244                 | Year-Round Residence | Non-Participating    | Venice | 369955.51                          | 4734697.47 | 0:00  | 0   | 0:00  | 0   |
| 1245                 | Year-Round Residence | Non-Participating    | Venice | 370024.77                          | 4734695.73 | 0:00  | 0   | 0:00  | 0   |
| 1246                 | Year-Round Residence | Non-Participating    | Venice | 369689.97                          | 4733097.85 | 0:00  | 0   | 0:00  | 0   |
| 1251                 | Year-Round Residence | Non-Participating    | Venice | 370185.96                          | 4733133.42 | 0:00  | 0   | 0:00  | 0   |
| 1252                 | Year-Round Residence | Non-Participating    | Venice | 370211.86                          | 4733139.87 | 0:00  | 0   | 0:00  | 0   |
| 1256                 | Year-Round Residence | Non-Participating    | Venice | 370704.31                          | 4733121.91 | 0:00  | 0   | 0:00  | 0   |
| 1258                 | Year-Round Residence | Non-Participating    | Venice | 370436.72                          | 4730647.22 | 0:00  | 0   | 0:00  | 0   |
| 1259                 | Year-Round Residence | Non-Participating    | Venice | 370360.49                          | 4730618.02 | 0:00  | 0   | 0:00  | 0   |
| 1260                 | Year-Round Residence | Non-Participating    | Venice | 370191.83                          | 4729899.20 | 0:00  | 0   | 0:00  | 0   |
| 1261                 | Year-Round Residence | Non-Participating    | Venice | 370318.89                          | 4729913.51 | 0:00  | 0   | 0:00  | 0   |
| 1263                 | Year-Round Residence | Non-Participating    | Venice | 370439.71                          | 4729850.72 | 0:00  | 0   | 0:00  | 0   |
| 1264                 | Year-Round Residence | Non-Participating    | Venice | 370755.62                          | 4729928.49 | 0:00  | 0   | 0:00  | 0   |

Table B-2.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type               | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1265  | Year-Round Residence        | Non-Participating        | Venice        | 371028.92                          | 4729857.94        | 0:00  | 0   | 0:00  | 0   |
| 1266  | Year-Round Residence        | Non-Participating        | Venice        | 371372.61                          | 4729984.93        | 0:00  | 0   | 0:00  | 0   |
| 1267  | Year-Round Residence        | Non-Participating        | Venice        | 371877.86                          | 4729899.42        | 0:00  | 0   | 0:00  | 0   |
| 1268  | Year-Round Residence        | Non-Participating        | Venice        | 371437.77                          | 4728155.22        | 0:00  | 0   | 0:00  | 0   |
| 1269  | Year-Round Residence        | Non-Participating        | Venice        | 371374.62                          | 4728198.61        | 0:00  | 0   | 0:00  | 0   |
| 1272  | Year-Round Residence        | Non-Participating        | Venice        | 371716.71                          | 4728190.43        | 0:00  | 0   | 0:00  | 0   |
| 1273  | Year-Round Residence        | Non-Participating        | Venice        | 371955.34                          | 4727968.40        | 0:00  | 0   | 0:00  | 0   |
| 1274  | Year-Round Residence        | Non-Participating        | Venice        | 372687.17                          | 4727898.00        | 0:00  | 0   | 0:00  | 0   |
| 1277  | Year-Round Residence        | Non-Participating        | Scipio        | 369164.96                          | 4737764.67        | 0:00  | 0   | 0:00  | 0   |
| 1278  | Year-Round Residence        | Non-Participating        | Scipio        | 369025.74                          | 4737884.46        | 0:00  | 0   | 0:00  | 0   |
| 1279  | Year-Round Residence        | Non-Participating        | Scipio        | 368880.82                          | 4737805.28        | 0:00  | 0   | 0:00  | 0   |
| 1280  | Year-Round Residence        | Non-Participating        | Scipio        | 368738.72                          | 4737827.60        | 0:00  | 0   | 0:00  | 0   |
| 1282  | Year-Round Residence        | Non-Participating        | Scipio        | 368761.86                          | 4737884.60        | 0:00  | 0   | 0:00  | 0   |
| 1285  | Year-Round Residence        | Non-Participating        | Scipio        | 368620.63                          | 4737869.95        | 0:00  | 0   | 0:00  | 0   |
| 1286  | Year-Round Residence        | Non-Participating        | Moravia       | 380154.73                          | 4732486.54        | 0:00  | 0   | 0:00  | 0   |
| 1291  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.68                          | 4734999.45        | 0:00  | 0   | 0:00  | 0   |
| 1293  | Year-Round Residence        | Non-Participating        | Venice        | 374464.99                          | 4727707.51        | 0:00  | 0   | 0:00  | 0   |
| 1294  | Year-Round Residence        | Non-Participating        | Venice        | 373691.57                          | 4730045.59        | 0:00  | 0   | 0:00  | 0   |
| 1295  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.97                          | 4731539.77        | 0:00  | 0   | 0:00  | 0   |
| 1296  | Year-Round Residence        | Non-Participating        | Venice        | 375629.01                          | 4731140.04        | 0:00  | 0   | 0:00  | 0   |
| 1297  | Year-Round Residence        | Non-Participating        | Venice        | 379246.62                          | 4732319.99        | 0:00  | 0   | 0:00  | 0   |
| 1298  | Year-Round Residence        | Non-Participating        | Venice        | 378386.72                          | 4732826.33        | 0:00  | 0   | 0:00  | 0   |
| 1300  | Year-Round Residence        | Non-Participating        | Scipio        | 377751.67                          | 4736256.75        | 0:00  | 0   | 0:00  | 0   |
| 1301  | Seasonal Residence          | Non-Participating        | Scipio        | 377097.07                          | 4738891.37        | 0:00  | 0   | 0:00  | 0   |
| 1302  | Year-Round Residence        | Non-Participating        | Scipio        | 376618.19                          | 4738159.86        | 0:00  | 0   | 0:00  | 0   |
| 1303  | Seasonal Residence          | Non-Participating        | Venice        | 379532.17                          | 4734569.54        | 0:00  | 0   | 0:00  | 0   |
| 1304  | Year-Round Residence        | Non-Participating        | Scipio        | 376201.96                          | 4738976.16        | 0:00  | 0   | 0:00  | 0   |
| 1309  | Seasonal Residence          | Non-Participating        | Scipio        | 377090.59                          | 4738950.65        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors |                             |                          |               |                                    |                   |   |   |   |   |
| <b>482</b>  | <b>Year-Round Residence</b> | <b>Non-Participating</b> | <b>Scipio</b> | <b>374925.84</b>                   | <b>4737438.08</b> | <b>343:43</b>   | <b>133</b>  | <b>73:18</b>  | <b>4398</b>   |
| <b>1309</b>   | <b>Seasonal Residence</b>   | <b>Non-Participating</b> | <b>Scipio</b> | <b>377090.59</b>                   | <b>4738950.65</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.c: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type               | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 573   | Year-Round Residence        | Participating        | Venice        | 376554.14                          | 4734617.85        | 60:38   | 49  | 13:08   | 788   |
| 587   | Year-Round Residence        | Participating        | Venice        | 377530.26                          | 4732272.42        | 28:38   | 36  | 5:54  | 354   |
| 611   | Year-Round Residence        | Participating        | Venice        | 377076.93                          | 4732083.28        | 112:17  | 76  | 25:58   | 1558  |
| 614   | Year-Round Residence        | Participating        | Venice        | 377561.91                          | 4731727.75        | 26:57   | 36  | 7:41  | 461   |
| 836   | Year-Round Residence        | Participating        | Venice        | 375469.03                          | 4732307.89        | 329:22  | 122   | 74:09   | 4449  |
| 840   | Year-Round Residence        | Participating        | Venice        | 375556.49                          | 4731495.05        | 71:08   | 65  | 20:56   | 1256  |
| 848   | Year-Round Residence        | Participating        | Venice        | 375695.97                          | 4731314.43        | 11:24   | 18  | 3:55  | 235   |
| 849   | Year-Round Residence        | Participating        | Venice        | 375691.69                          | 4731324.84        | 12:32   | 19  | 4:19  | 259   |
| 850   | Year-Round Residence        | Participating        | Venice        | 375689.49                          | 4731335.90        | 13:54   | 20  | 4:47  | 287   |
| 878   | Year-Round Residence        | Participating        | Venice        | 372626.25                          | 4734000.27        | 145:54  | 100   | 37:39   | 2259  |
| 937   | Year-Round Residence        | Participating        | Venice        | 374504.60                          | 4731630.17        | 40:11   | 35  | 6:43  | 403   |
| 1290  | Year-Round Residence        | Participating        | Scipio        | 376547.61                          | 4735435.51        | 116:16  | 49  | 29:49   | 1789  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Residential Receptors |                             |                      |               |                                    |                   |   |   |   |   |
| <b>836</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375469.03</b>                   | <b>4732307.89</b> | <b>329:22</b>   | <b>122</b>  | <b>74:09</b>  | <b>4449</b>   |
| <b>848</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375695.97</b>                   | <b>4731314.43</b> | <b>11:24</b>  | <b>18</b>   | <b>3:55</b>   | <b>235</b>  |

Table B-2.d: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type               | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 836   | Year-Round Residence        | Participating        | Venice        | 375469.03                          | 4732307.89        | 329:22  | 122   | 74:09   | 4449  |
| 878   | Year-Round Residence        | Participating        | Venice        | 372626.25                          | 4734000.27        | 145:54  | 100   | 37:39   | 2259  |
| 1290  | Year-Round Residence        | Participating        | Scipio        | 376547.61                          | 4735435.51        | 116:16  | 49  | 29:49   | 1789  |
| 611   | Year-Round Residence        | Participating        | Venice        | 377076.93                          | 4732083.28        | 112:17  | 76  | 25:58   | 1558  |
| 840   | Year-Round Residence        | Participating        | Venice        | 375556.49                          | 4731495.05        | 71:08   | 65  | 20:56   | 1256  |
| 573   | Year-Round Residence        | Participating        | Venice        | 376554.14                          | 4734617.85        | 60:38   | 49  | 13:08   | 788   |
| 614   | Year-Round Residence        | Participating        | Venice        | 377561.91                          | 4731727.75        | 26:57   | 36  | 7:41  | 461   |
| 937   | Year-Round Residence        | Participating        | Venice        | 374504.60                          | 4731630.17        | 40:11   | 35  | 6:43  | 403   |
| 587   | Year-Round Residence        | Participating        | Venice        | 377530.26                          | 4732272.42        | 28:38   | 36  | 5:54  | 354   |
| 850   | Year-Round Residence        | Participating        | Venice        | 375689.49                          | 4731335.90        | 13:54   | 20  | 4:47  | 287   |
| 849   | Year-Round Residence        | Participating        | Venice        | 375691.69                          | 4731324.84        | 12:32   | 19  | 4:19  | 259   |
| 848   | Year-Round Residence        | Participating        | Venice        | 375695.97                          | 4731314.43        | 11:24   | 18  | 3:55  | 235   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Residential Receptors |                             |                      |               |                                    |                   |   |   |   |   |
| <b>836</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375469.03</b>                   | <b>4732307.89</b> | <b>329:22</b>   | <b>122</b>  | <b>74:09</b>  | <b>4449</b>   |
| <b>848</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375695.97</b>                   | <b>4731314.43</b> | <b>11:24</b>  | <b>18</b>   | <b>3:55</b>   | <b>235</b>  |

Table B-2.e: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Public and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type            | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|--------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|--|
|  |                          |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |  |
| 581  | Institutional Structures | Non-Participating        | Venice        | 376534.33                          | 4733071.41        | 29:23   | 30  | 7:43  | 463  |
| 685  | Public Structures        | Non-Participating        | Scipio        | 372548.47                          | 4740173.72        | 0:00  | 0   | 0:00  | 0  |
| 693  | Institutional Structures | Non-Participating        | Scipio        | 372405.61                          | 4739499.59        | 0:00  | 0   | 0:00  | 0  |
| 694  | Institutional Structures | Non-Participating        | Scipio        | 372405.83                          | 4739437.59        | 0:00  | 0   | 0:00  | 0  |
| 695  | Institutional Structures | Non-Participating        | Scipio        | 372353.34                          | 4739503.67        | 0:00  | 0   | 0:00  | 0  |
| 705  | Public Structures        | Non-Participating        | Scipio        | 372398.06                          | 4739017.71        | 0:00  | 0   | 0:00  | 0  |
| 710  | Institutional Structures | Non-Participating        | Scipio        | 372521.29                          | 4738629.65        | 0:00  | 0   | 0:00  | 0  |
| 717  | Public Structures        | Non-Participating        | Scipio        | 372526.58                          | 4738101.60        | 0:00  | 0   | 0:00  | 0  |
| 718  | Public Structures        | Non-Participating        | Scipio        | 372526.05                          | 4738046.93        | 0:00  | 0   | 0:00  | 0  |
| 738  | Public Structures        | Non-Participating        | Scipio        | 372814.77                          | 4737928.65        | 0:00  | 0   | 0:00  | 0  |
| 740  | Public Structures        | Non-Participating        | Scipio        | 372817.41                          | 4737895.74        | 0:00  | 0   | 0:00  | 0  |
| 746  | Public Structures        | Non-Participating        | Scipio        | 373235.39                          | 4738049.92        | 25:21   | 27  | 5:16  | 316  |
| 761  | Institutional Structures | Non-Participating        | Scipio        | 374504.63                          | 4738163.39        | 0:00  | 0   | 0:00  | 0  |
| 772  | Institutional Structures | Non-Participating        | Scipio        | 372540.55                          | 4737585.52        | 21:56   | 34  | 3:48  | 228  |
| 778  | Public Structures        | Non-Participating        | Scipio        | 372423.40                          | 4737383.34        | 45:45   | 40  | 8:41  | 521  |
| 828  | Institutional Structures | Non-Participating        | Venice        | 375299.66                          | 4732741.02        | 82:58   | 53  | 15:36   | 936  |
| 834  | Public Structures        | Non-Participating        | Venice        | 375400.61                          | 4732663.24        | 100:55  | 55  | 20:09   | 1209   |
| 896  | Institutional Structures | Non-Participating        | Venice        | 372605.36                          | 4732868.00        | 0:00  | 0   | 0:00  | 0  |
| 905  | Institutional Structures | Non-Participating        | Venice        | 373505.79                          | 4732491.39        | 37:59   | 40  | 8:51  | 531  |
| 915  | Public Structures        | Non-Participating        | Venice        | 372811.51                          | 4732365.86        | 9:21  | 24  | 2:18  | 138  |
| 1091   | Public Structures        | Non-Participating        | Scipio        | 370820.27                          | 4734951.45        | 0:00  | 0   | 0:00  | 0  |
| 1130   | Institutional Structures | Non-Participating        | Venice        | 372572.69                          | 4732863.70        | 0:00  | 0   | 0:00  | 0  |
| 1131   | Institutional Structures | Non-Participating        | Venice        | 372555.65                          | 4732811.07        | 0:00  | 0   | 0:00  | 0  |
| 1132   | Institutional Structures | Non-Participating        | Venice        | 372542.28                          | 4732878.63        | 0:00  | 0   | 0:00  | 0  |
| 1134   | Public Structures        | Non-Participating        | Venice        | 370888.59                          | 4732992.25        | 0:00  | 0   | 0:00  | 0  |
| 1135   | Public Structures        | Non-Participating        | Venice        | 370839.06                          | 4732860.76        | 0:00  | 0   | 0:00  | 0  |
| 1171   | Public Structures        | Non-Participating        | Venice        | 372512.31                          | 4729109.53        | 0:00  | 0   | 0:00  | 0  |
| 1180   | Public Structures        | Non-Participating        | Venice        | 372850.89                          | 4727512.93        | 0:00  | 0   | 0:00  | 0  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Public Receptors |                          |                          |               |                                    |                   |   |   |   |  |
| <b>834</b>   | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>375400.61</b>                   | <b>4732663.24</b> | <b>100:55</b>   | <b>55</b>   | <b>20:09</b>  | <b>1209</b>  |
| <b>1180</b>  | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372850.89</b>                   | <b>4727512.93</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>   |

Table B-2.f: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Public and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type            | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                          |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 834  | Public Structures        | Non-Participating        | Venice        | 375400.61                          | 4732663.24        | 100:55  | 55  | 20:09   | 1209  |
| 828  | Institutional Structures | Non-Participating        | Venice        | 375299.66                          | 4732741.02        | 82:58   | 53  | 15:36   | 936   |
| 905  | Institutional Structures | Non-Participating        | Venice        | 373505.79                          | 4732491.39        | 37:59   | 40  | 8:51  | 531   |
| 778  | Public Structures        | Non-Participating        | Scipio        | 372423.40                          | 4737383.34        | 45:45   | 40  | 8:41  | 521   |
| 581  | Institutional Structures | Non-Participating        | Venice        | 376534.33                          | 4733071.41        | 29:23   | 30  | 7:43  | 463   |
| 746  | Public Structures        | Non-Participating        | Scipio        | 373235.39                          | 4738049.92        | 25:21   | 27  | 5:16  | 316   |
| 772  | Institutional Structures | Non-Participating        | Scipio        | 372540.55                          | 4737585.52        | 21:56   | 34  | 3:48  | 228   |
| 915  | Public Structures        | Non-Participating        | Venice        | 372811.51                          | 4732365.86        | 9:21  | 24  | 2:18  | 138   |
| 685  | Public Structures        | Non-Participating        | Scipio        | 372548.47                          | 4740173.72        | 0:00  | 0   | 0:00  | 0   |
| 693  | Institutional Structures | Non-Participating        | Scipio        | 372405.61                          | 4739499.59        | 0:00  | 0   | 0:00  | 0   |
| 694  | Institutional Structures | Non-Participating        | Scipio        | 372405.83                          | 4739437.59        | 0:00  | 0   | 0:00  | 0   |
| 695  | Institutional Structures | Non-Participating        | Scipio        | 372353.34                          | 4739503.67        | 0:00  | 0   | 0:00  | 0   |
| 705  | Public Structures        | Non-Participating        | Scipio        | 372398.06                          | 4739017.71        | 0:00  | 0   | 0:00  | 0   |
| 710  | Institutional Structures | Non-Participating        | Scipio        | 372521.29                          | 4738629.65        | 0:00  | 0   | 0:00  | 0   |
| 717  | Public Structures        | Non-Participating        | Scipio        | 372526.58                          | 4738101.60        | 0:00  | 0   | 0:00  | 0   |
| 718  | Public Structures        | Non-Participating        | Scipio        | 372526.05                          | 4738046.93        | 0:00  | 0   | 0:00  | 0   |
| 738  | Public Structures        | Non-Participating        | Scipio        | 372814.77                          | 4737928.65        | 0:00  | 0   | 0:00  | 0   |
| 740  | Public Structures        | Non-Participating        | Scipio        | 372817.41                          | 4737895.74        | 0:00  | 0   | 0:00  | 0   |
| 761  | Institutional Structures | Non-Participating        | Scipio        | 374504.63                          | 4738163.39        | 0:00  | 0   | 0:00  | 0   |
| 896  | Institutional Structures | Non-Participating        | Venice        | 372605.36                          | 4732868.00        | 0:00  | 0   | 0:00  | 0   |
| 1091   | Public Structures        | Non-Participating        | Scipio        | 370820.27                          | 4734951.45        | 0:00  | 0   | 0:00  | 0   |
| 1130   | Institutional Structures | Non-Participating        | Venice        | 372572.69                          | 4732863.70        | 0:00  | 0   | 0:00  | 0   |
| 1131   | Institutional Structures | Non-Participating        | Venice        | 372555.65                          | 4732811.07        | 0:00  | 0   | 0:00  | 0   |
| 1132   | Institutional Structures | Non-Participating        | Venice        | 372542.28                          | 4732878.63        | 0:00  | 0   | 0:00  | 0   |
| 1134   | Public Structures        | Non-Participating        | Venice        | 370888.59                          | 4732992.25        | 0:00  | 0   | 0:00  | 0   |
| 1135   | Public Structures        | Non-Participating        | Venice        | 370839.06                          | 4732860.76        | 0:00  | 0   | 0:00  | 0   |
| 1171   | Public Structures        | Non-Participating        | Venice        | 372512.31                          | 4729109.53        | 0:00  | 0   | 0:00  | 0   |
| 1180   | Public Structures        | Non-Participating        | Venice        | 372850.89                          | 4727512.93        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Public Receptors |                          |                          |               |                                    |                   |   |   |   |   |
| <b>834</b>   | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>375400.61</b>                   | <b>4732663.24</b> | <b>100:55</b>   | <b>55</b>   | <b>20:09</b>  | <b>1209</b>   |
| <b>1180</b>  | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372850.89</b>                   | <b>4727512.93</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.g: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Public and Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type                   | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|---------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                                 |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 903  | Institutional Structures        | Participating        | Venice        | 373505.60                          | 4732730.23        | 45:54   | 37  | 8:21  | 501   |
| 904  | Institutional Structures        | Participating        | Venice        | 373565.35                          | 4732709.26        | 59:12   | 40  | 11:13   | 673   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Public Receptors |                                 |                      |               |                                    |                   |   |   |   |   |
| <b>904</b>   | <b>Institutional Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>373565.35</b>                   | <b>4732709.26</b> | <b>59:12</b>  | <b>40</b>   | <b>11:13</b>  | <b>673</b>  |
| <b>903</b>   | <b>Institutional Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>373505.60</b>                   | <b>4732730.23</b> | <b>45:54</b>  | <b>37</b>   | <b>8:21</b>   | <b>501</b>  |

Table B-2.h: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Public and Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type            | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                          |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 59:12   | 40  | 11:13   | 673   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 45:54   | 37  | 8:21  | 501   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Public Receptors |                          |                      |        |                                    |            |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 59:12   | 40  | 11:13   | 673   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 45:54   | 37  | 8:21  | 501   |

Table B-2.i: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Commercial and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type         | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|-----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|  |                       |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 517  | Commercial Structures | Non-Participating    | Venice | 378154.80                          | 4734134.77 | 56:53   | 56  | 7:56  | 476  |
| 518  | Commercial Structures | Non-Participating    | Venice | 378107.34                          | 4734176.53 | 29:24   | 45  | 3:59  | 239  |
| 519  | Commercial Structures | Non-Participating    | Venice | 378266.45                          | 4734186.60 | 52:14   | 49  | 7:11  | 431  |
| 523  | Commercial Structures | Non-Participating    | Venice | 378495.77                          | 4734042.87 | 34:31   | 42  | 5:39  | 339  |
| 579  | Commercial Structures | Non-Participating    | Venice | 376680.06                          | 4733513.07 | 68:21   | 42  | 20:43   | 1243   |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 69:47   | 38  | 21:13   | 1273   |
| 599  | Commercial Structures | Non-Participating    | Venice | 378212.86                          | 4732715.52 | 0:00  | 0   | 0:00  | 0  |
| 600  | Commercial Structures | Non-Participating    | Venice | 378442.03                          | 4732782.32 | 0:00  | 0   | 0:00  | 0  |
| 603  | Commercial Structures | Non-Participating    | Venice | 378532.89                          | 4732634.60 | 0:00  | 0   | 0:00  | 0  |
| 633  | Commercial Structures | Non-Participating    | Venice | 377081.08                          | 4731565.57 | 16:16   | 29  | 4:50  | 290  |
| 640  | Commercial Structures | Non-Participating    | Venice | 377204.91                          | 4730532.89 | 0:00  | 0   | 0:00  | 0  |
| 641  | Commercial Structures | Non-Participating    | Venice | 377288.72                          | 4730537.96 | 0:00  | 0   | 0:00  | 0  |
| 642  | Commercial Structures | Non-Participating    | Venice | 377309.21                          | 4730583.77 | 0:00  | 0   | 0:00  | 0  |
| 643  | Commercial Structures | Non-Participating    | Venice | 377273.80                          | 4730635.24 | 0:00  | 0   | 0:00  | 0  |
| 644  | Commercial Structures | Non-Participating    | Venice | 377211.24                          | 4730593.40 | 0:00  | 0   | 0:00  | 0  |
| 813  | Commercial Structures | Non-Participating    | Venice | 375309.62                          | 4733147.84 | 40:00   | 40  | 7:09  | 429  |
| 814  | Commercial Structures | Non-Participating    | Venice | 375338.29                          | 4733152.07 | 36:59   | 40  | 6:36  | 396  |
| 815  | Commercial Structures | Non-Participating    | Venice | 375315.35                          | 4733105.85 | 47:49   | 41  | 8:37  | 517  |
| 823  | Commercial Structures | Non-Participating    | Venice | 375183.43                          | 4732932.26 | 28:48   | 38  | 6:14  | 374  |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 97:59   | 54  | 18:37   | 1117   |
| 851  | Commercial Structures | Non-Participating    | Venice | 375606.86                          | 4731109.13 | 0:00  | 0   | 0:00  | 0  |
| 852  | Commercial Structures | Non-Participating    | Venice | 375642.23                          | 4730970.70 | 0:00  | 0   | 0:00  | 0  |
| 856  | Commercial Structures | Non-Participating    | Venice | 376197.45                          | 4730057.57 | 0:00  | 0   | 0:00  | 0  |
| 857  | Commercial Structures | Non-Participating    | Venice | 376203.31                          | 4730089.31 | 0:00  | 0   | 0:00  | 0  |
| 858  | Commercial Structures | Non-Participating    | Venice | 376160.30                          | 4730096.39 | 0:00  | 0   | 0:00  | 0  |
| 881  | Commercial Structures | Non-Participating    | Venice | 372672.21                          | 4733547.73 | 26:13   | 37  | 6:40  | 400  |
| 882  | Commercial Structures | Non-Participating    | Venice | 372639.42                          | 4733527.40 | 24:55   | 36  | 6:16  | 376  |
| 884  | Commercial Structures | Non-Participating    | Venice | 372515.97                          | 4733433.08 | 21:48   | 32  | 5:27  | 327  |
| 889  | Commercial Structures | Non-Participating    | Venice | 372692.98                          | 4733198.17 | 16:18   | 28  | 4:15  | 255  |
| 913  | Commercial Structures | Non-Participating    | Venice | 374913.33                          | 4732955.87 | 21:47   | 31  | 5:37  | 337  |
| 914  | Commercial Structures | Non-Participating    | Venice | 374933.89                          | 4732931.24 | 20:47   | 31  | 5:16  | 316  |
| 947  | Commercial Structures | Non-Participating    | Venice | 373323.73                          | 4730652.01 | 0:00  | 0   | 0:00  | 0  |
| 948  | Commercial Structures | Non-Participating    | Venice | 373316.14                          | 4730631.48 | 0:00  | 0   | 0:00  | 0  |
| 952  | Commercial Structures | Non-Participating    | Venice | 373403.36                          | 4730302.64 | 0:00  | 0   | 0:00  | 0  |
| 953  | Commercial Structures | Non-Participating    | Venice | 373414.31                          | 4730281.22 | 0:00  | 0   | 0:00  | 0  |
| 954  | Commercial Structures | Non-Participating    | Venice | 373428.88                          | 4730261.23 | 0:00  | 0   | 0:00  | 0  |
| 955  | Commercial Structures | Non-Participating    | Venice | 373437.69                          | 4730237.46 | 0:00  | 0   | 0:00  | 0  |
| 956  | Commercial Structures | Non-Participating    | Venice | 373380.13                          | 4730322.49 | 0:00  | 0   | 0:00  | 0  |
| 964  | Commercial Structures | Non-Participating    | Venice | 374022.73                          | 4729318.02 | 0:00  | 0   | 0:00  | 0  |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |
| 1313   | Commercial Structures | Non-Participating    | Venice | 376712.20                          | 4734176.63 | 49:21   | 39  | 10:09   | 609  |
| 1314   | Commercial Structures | Non-Participating    | Venice | 378173.45                          | 4734111.28 | 68:53   | 58  | 9:37  | 577  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Commercial Receptors |                       |                      |        |                                    |            |   |   |   |  |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 69:47   | 38  | 21:13   | 1273   |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |

Table B-2.j: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Commercial and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type         | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|-----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|  |                       |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 69:47   | 38  | 21:13   | 1273   |
| 579  | Commercial Structures | Non-Participating    | Venice | 376680.06                          | 4733513.07 | 68:21   | 42  | 20:43   | 1243   |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 97:59   | 54  | 18:37   | 1117   |
| 1313   | Commercial Structures | Non-Participating    | Venice | 376712.20                          | 4734176.63 | 49:21   | 39  | 10:09   | 609  |
| 1314   | Commercial Structures | Non-Participating    | Venice | 378173.45                          | 4734111.28 | 68:53   | 58  | 9:37  | 577  |
| 815  | Commercial Structures | Non-Participating    | Venice | 375315.35                          | 4733105.85 | 47:49   | 41  | 8:37  | 517  |
| 517  | Commercial Structures | Non-Participating    | Venice | 378154.80                          | 4734134.77 | 56:53   | 56  | 7:56  | 476  |
| 519  | Commercial Structures | Non-Participating    | Venice | 378266.45                          | 4734186.60 | 52:14   | 49  | 7:11  | 431  |
| 813  | Commercial Structures | Non-Participating    | Venice | 375309.62                          | 4733147.84 | 40:00   | 40  | 7:09  | 429  |
| 881  | Commercial Structures | Non-Participating    | Venice | 372672.21                          | 4733547.73 | 26:13   | 37  | 6:40  | 400  |
| 814  | Commercial Structures | Non-Participating    | Venice | 375338.29                          | 4733152.07 | 36:59   | 40  | 6:36  | 396  |
| 882  | Commercial Structures | Non-Participating    | Venice | 372639.42                          | 4733527.40 | 24:55   | 36  | 6:16  | 376  |
| 823  | Commercial Structures | Non-Participating    | Venice | 375183.43                          | 4732932.26 | 28:48   | 38  | 6:14  | 374  |
| 523  | Commercial Structures | Non-Participating    | Venice | 378495.77                          | 4734042.87 | 34:31   | 42  | 5:39  | 339  |
| 913  | Commercial Structures | Non-Participating    | Venice | 374913.33                          | 4732955.87 | 21:47   | 31  | 5:37  | 337  |
| 884  | Commercial Structures | Non-Participating    | Venice | 372515.97                          | 4733433.08 | 21:48   | 32  | 5:27  | 327  |
| 914  | Commercial Structures | Non-Participating    | Venice | 374933.89                          | 4732931.24 | 20:47   | 31  | 5:16  | 316  |
| 633  | Commercial Structures | Non-Participating    | Venice | 377081.08                          | 4731565.57 | 16:16   | 29  | 4:50  | 290  |
| 889  | Commercial Structures | Non-Participating    | Venice | 372692.98                          | 4733198.17 | 16:18   | 28  | 4:15  | 255  |
| 518  | Commercial Structures | Non-Participating    | Venice | 378107.34                          | 4734176.53 | 29:24   | 45  | 3:59  | 239  |
| 599  | Commercial Structures | Non-Participating    | Venice | 378212.86                          | 4732715.52 | 0:00  | 0   | 0:00  | 0  |
| 600  | Commercial Structures | Non-Participating    | Venice | 378442.03                          | 4732782.32 | 0:00  | 0   | 0:00  | 0  |
| 603  | Commercial Structures | Non-Participating    | Venice | 378532.89                          | 4732634.60 | 0:00  | 0   | 0:00  | 0  |
| 640  | Commercial Structures | Non-Participating    | Venice | 377204.91                          | 4730532.89 | 0:00  | 0   | 0:00  | 0  |
| 641  | Commercial Structures | Non-Participating    | Venice | 377288.72                          | 4730537.96 | 0:00  | 0   | 0:00  | 0  |
| 642  | Commercial Structures | Non-Participating    | Venice | 377309.21                          | 4730583.77 | 0:00  | 0   | 0:00  | 0  |
| 643  | Commercial Structures | Non-Participating    | Venice | 377273.80                          | 4730635.24 | 0:00  | 0   | 0:00  | 0  |
| 644  | Commercial Structures | Non-Participating    | Venice | 377211.24                          | 4730593.40 | 0:00  | 0   | 0:00  | 0  |
| 851  | Commercial Structures | Non-Participating    | Venice | 375606.86                          | 4731109.13 | 0:00  | 0   | 0:00  | 0  |
| 852  | Commercial Structures | Non-Participating    | Venice | 375642.23                          | 4730970.70 | 0:00  | 0   | 0:00  | 0  |
| 856  | Commercial Structures | Non-Participating    | Venice | 376197.45                          | 4730057.57 | 0:00  | 0   | 0:00  | 0  |
| 857  | Commercial Structures | Non-Participating    | Venice | 376203.31                          | 4730089.31 | 0:00  | 0   | 0:00  | 0  |
| 858  | Commercial Structures | Non-Participating    | Venice | 376160.30                          | 4730096.39 | 0:00  | 0   | 0:00  | 0  |
| 947  | Commercial Structures | Non-Participating    | Venice | 373323.73                          | 4730652.01 | 0:00  | 0   | 0:00  | 0  |
| 948  | Commercial Structures | Non-Participating    | Venice | 373316.14                          | 4730631.48 | 0:00  | 0   | 0:00  | 0  |
| 952  | Commercial Structures | Non-Participating    | Venice | 373403.36                          | 4730302.64 | 0:00  | 0   | 0:00  | 0  |
| 953  | Commercial Structures | Non-Participating    | Venice | 373414.31                          | 4730281.22 | 0:00  | 0   | 0:00  | 0  |
| 954  | Commercial Structures | Non-Participating    | Venice | 373428.88                          | 4730261.23 | 0:00  | 0   | 0:00  | 0  |
| 955  | Commercial Structures | Non-Participating    | Venice | 373437.69                          | 4730237.46 | 0:00  | 0   | 0:00  | 0  |
| 956  | Commercial Structures | Non-Participating    | Venice | 373380.13                          | 4730322.49 | 0:00  | 0   | 0:00  | 0  |
| 964  | Commercial Structures | Non-Participating    | Venice | 374022.73                          | 4729318.02 | 0:00  | 0   | 0:00  | 0  |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Commercial Receptors |                       |                      |        |                                    |            |   |   |   |  |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 69:47   | 38  | 21:13   | 1273   |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |

Table B-2.k: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Commercial and Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type                | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                              |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 612  | Commercial Structure         | Participating        | Venice        | 377043.40                          | 4732110.62        | 127:39  | 86  | 28:13   | 1693  |
| 837  | Commercial Structures        | Participating        | Venice        | 375460.17                          | 4732386.58        | 289:26  | 132   | 59:00   | 3540  |
| 838  | Commercial Structures        | Participating        | Venice        | 375496.08                          | 4732391.07        | 267:38  | 124   | 56:45   | 3405  |
| 841  | Commercial Structures        | Participating        | Venice        | 375483.77                          | 4731549.15        | 92:32   | 76  | 26:21   | 1581  |
| 842  | Commercial Structures        | Participating        | Venice        | 375538.69                          | 4731579.34        | 91:04   | 64  | 25:19   | 1519  |
| 843  | Commercial Structures        | Participating        | Venice        | 375491.80                          | 4731460.74        | 58:44   | 60  | 17:05   | 1025  |
| 844  | Commercial Structures        | Participating        | Venice        | 375529.33                          | 4731453.04        | 56:45   | 63  | 16:40   | 1000  |
| 845  | Commercial Structures        | Participating        | Venice        | 375517.36                          | 4731360.16        | 16:08   | 35  | 4:34  | 274   |
| 846  | Commercial Structures        | Participating        | Venice        | 375522.38                          | 4731312.17        | 0:00  | 0   | 0:00  | 0   |
| 847  | Commercial Structures        | Participating        | Venice        | 375529.51                          | 4731261.99        | 0:00  | 0   | 0:00  | 0   |
| 1312   | Commercial Structures        | Participating        | Venice        | 375492.64                          | 4732334.89        | 310:24  | 120   | 69:20   | 4160  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Commercial Receptors |                              |                      |               |                                    |                   |   |   |   |   |
| <b>1312</b>  | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375492.64</b>                   | <b>4732334.89</b> | <b>310:24</b>   | <b>120</b>  | <b>69:20</b>  | <b>4160</b>   |
| <b>847</b>   | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375529.51</b>                   | <b>4731261.99</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.1: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Commercial and Participating Receptors] - V162-6.8

| Modeling Receptor ID   | Receptor Type                | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                              |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1312   | Commercial Structures        | Participating        | Venice        | 375492.64                          | 4732334.89        | 310:24  | 120   | 69:20   | 4160  |
| 837  | Commercial Structures        | Participating        | Venice        | 375460.17                          | 4732386.58        | 289:26  | 132   | 59:00   | 3540  |
| 838  | Commercial Structures        | Participating        | Venice        | 375496.08                          | 4732391.07        | 267:38  | 124   | 56:45   | 3405  |
| 612  | Commercial Structure         | Participating        | Venice        | 377043.40                          | 4732110.62        | 127:39  | 86  | 28:13   | 1693  |
| 841  | Commercial Structures        | Participating        | Venice        | 375483.77                          | 4731549.15        | 92:32   | 76  | 26:21   | 1581  |
| 842  | Commercial Structures        | Participating        | Venice        | 375538.69                          | 4731579.34        | 91:04   | 64  | 25:19   | 1519  |
| 843  | Commercial Structures        | Participating        | Venice        | 375491.80                          | 4731460.74        | 58:44   | 60  | 17:05   | 1025  |
| 844  | Commercial Structures        | Participating        | Venice        | 375529.33                          | 4731453.04        | 56:45   | 63  | 16:40   | 1000  |
| 845  | Commercial Structures        | Participating        | Venice        | 375517.36                          | 4731360.16        | 16:08   | 35  | 4:34  | 274   |
| 846  | Commercial Structures        | Participating        | Venice        | 375522.38                          | 4731312.17        | 0:00  | 0   | 0:00  | 0   |
| 847  | Commercial Structures        | Participating        | Venice        | 375529.51                          | 4731261.99        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Commercial Receptors |                              |                      |               |                                    |                   |   |   |   |   |
| <b>1312</b>  | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375492.64</b>                   | <b>4732334.89</b> | <b>310:24</b>   | <b>120</b>  | <b>69:20</b>  | <b>4160</b>   |
| <b>847</b>   | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375529.51</b>                   | <b>4731261.99</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.m: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Other and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type           | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 801   | Other Structures        | Non-Participating        | Venice        | 374771.78                          | 4733967.85        | 82:20   | 61  | 21:59   | 1319  |
| 803   | Other Structures        | Non-Participating        | Venice        | 374997.51                          | 4733946.76        | 67:02   | 65  | 17:42   | 1062  |
| 804   | Other Structures        | Non-Participating        | Venice        | 374953.36                          | 4733953.86        | 68:16   | 63  | 18:20   | 1100  |
| 825   | Other Structures        | Non-Participating        | Venice        | 375497.74                          | 4732961.48        | 92:03   | 74  | 16:07   | 967   |
| 899   | Other Structures        | Non-Participating        | Venice        | 372713.58                          | 4733018.45        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Other Receptors |                         |                          |               |                                    |                   |   |   |   |   |
| <b>801</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>374771.78</b>                   | <b>4733967.85</b> | <b>82:20</b>  | <b>61</b>   | <b>21:59</b>  | <b>1319</b>   |
| <b>899</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372713.58</b>                   | <b>4733018.45</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.n: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Other and Non-Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type           | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 801   | Other Structures        | Non-Participating        | Venice        | 374771.78                          | 4733967.85        | 82:20   | 61  | 21:59   | 1319  |
| 804   | Other Structures        | Non-Participating        | Venice        | 374953.36                          | 4733953.86        | 68:16   | 63  | 18:20   | 1100  |
| 803   | Other Structures        | Non-Participating        | Venice        | 374997.51                          | 4733946.76        | 67:02   | 65  | 17:42   | 1062  |
| 825   | Other Structures        | Non-Participating        | Venice        | 375497.74                          | 4732961.48        | 92:03   | 74  | 16:07   | 967   |
| 899   | Other Structures        | Non-Participating        | Venice        | 372713.58                          | 4733018.45        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Other Receptors |                         |                          |               |                                    |                   |   |   |   |   |
| <b>801</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>374771.78</b>                   | <b>4733967.85</b> | <b>82:20</b>  | <b>61</b>   | <b>21:59</b>  | <b>1319</b>   |
| <b>899</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372713.58</b>                   | <b>4733018.45</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-2.o: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Other and Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type    | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|   |                  |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 124:57  | 87  | 33:22   | 2002  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 100:59  | 78  | 26:44   | 1604  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Other Receptors |                  |                      |        |                                    |            |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 124:57  | 87  | 33:22   | 2002  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 100:59  | 78  | 26:44   | 1604  |

Table B-2.p: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Other and Participating Receptors] - V162-6.8

| Modeling Receptor ID  | Receptor Type    | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|   |                  |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 124:57  | 87  | 33:22   | 2002  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 100:59  | 78  | 26:44   | 1604  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Other Receptors |                  |                      |        |                                    |            |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 124:57  | 87  | 33:22   | 2002  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 100:59  | 78  | 26:44   | 1604  |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1                    | Year-Round Residence | Non-Participating    | Moravia | 380974.40                          | 4734987.20 | 0:00  | 0   | 0:00  | 0   |
| 2                    | Year-Round Residence | Non-Participating    | Moravia | 380866.90                          | 4735289.63 | 0:00  | 0   | 0:00  | 0   |
| 3                    | Year-Round Residence | Non-Participating    | Moravia | 380726.27                          | 4734798.67 | 0:00  | 0   | 0:00  | 0   |
| 4                    | Year-Round Residence | Non-Participating    | Moravia | 380624.96                          | 4734950.66 | 0:00  | 0   | 0:00  | 0   |
| 6                    | Year-Round Residence | Non-Participating    | Moravia | 380537.85                          | 4734925.23 | 0:00  | 0   | 0:00  | 0   |
| 7                    | Year-Round Residence | Non-Participating    | Moravia | 380547.46                          | 4734933.18 | 0:00  | 0   | 0:00  | 0   |
| 8                    | Year-Round Residence | Non-Participating    | Moravia | 380553.11                          | 4734942.62 | 0:00  | 0   | 0:00  | 0   |
| 9                    | Year-Round Residence | Non-Participating    | Moravia | 380582.31                          | 4734927.07 | 0:00  | 0   | 0:00  | 0   |
| 10                   | Year-Round Residence | Non-Participating    | Moravia | 380567.76                          | 4734956.07 | 0:00  | 0   | 0:00  | 0   |
| 11                   | Year-Round Residence | Non-Participating    | Moravia | 380572.90                          | 4734963.10 | 0:00  | 0   | 0:00  | 0   |
| 12                   | Year-Round Residence | Non-Participating    | Moravia | 380576.24                          | 4734975.92 | 0:00  | 0   | 0:00  | 0   |
| 13                   | Seasonal Residence   | Non-Participating    | Moravia | 380570.92                          | 4734986.10 | 0:00  | 0   | 0:00  | 0   |
| 14                   | Seasonal Residence   | Non-Participating    | Moravia | 380567.08                          | 4734995.75 | 0:00  | 0   | 0:00  | 0   |
| 15                   | Year-Round Residence | Non-Participating    | Moravia | 380593.56                          | 4735013.77 | 0:00  | 0   | 0:00  | 0   |
| 16                   | Year-Round Residence | Non-Participating    | Moravia | 380568.28                          | 4735012.37 | 0:00  | 0   | 0:00  | 0   |
| 17                   | Year-Round Residence | Non-Participating    | Moravia | 380562.57                          | 4735031.51 | 0:00  | 0   | 0:00  | 0   |
| 18                   | Year-Round Residence | Non-Participating    | Moravia | 380573.23                          | 4735050.34 | 0:00  | 0   | 0:00  | 0   |
| 19                   | Year-Round Residence | Non-Participating    | Moravia | 380560.66                          | 4735048.28 | 0:00  | 0   | 0:00  | 0   |
| 20                   | Year-Round Residence | Non-Participating    | Moravia | 380557.29                          | 4735062.90 | 0:00  | 0   | 0:00  | 0   |
| 21                   | Year-Round Residence | Non-Participating    | Moravia | 380548.67                          | 4735085.11 | 0:00  | 0   | 0:00  | 0   |
| 22                   | Year-Round Residence | Non-Participating    | Moravia | 380547.61                          | 4735094.12 | 0:00  | 0   | 0:00  | 0   |
| 23                   | Year-Round Residence | Non-Participating    | Moravia | 380544.01                          | 4735102.22 | 0:00  | 0   | 0:00  | 0   |
| 24                   | Year-Round Residence | Non-Participating    | Moravia | 380536.88                          | 4735124.05 | 0:00  | 0   | 0:00  | 0   |
| 25                   | Seasonal Residence   | Non-Participating    | Moravia | 380525.89                          | 4735150.27 | 0:00  | 0   | 0:00  | 0   |
| 26                   | Year-Round Residence | Non-Participating    | Moravia | 380507.58                          | 4735175.30 | 0:00  | 0   | 0:00  | 0   |
| 27                   | Year-Round Residence | Non-Participating    | Moravia | 380503.51                          | 4735214.08 | 0:00  | 0   | 0:00  | 0   |
| 28                   | Seasonal Residence   | Non-Participating    | Moravia | 380476.39                          | 4735232.72 | 0:00  | 0   | 0:00  | 0   |
| 29                   | Seasonal Residence   | Non-Participating    | Moravia | 380452.56                          | 4735265.42 | 0:00  | 0   | 0:00  | 0   |
| 30                   | Seasonal Residence   | Non-Participating    | Moravia | 380454.20                          | 4735294.37 | 0:00  | 0   | 0:00  | 0   |
| 31                   | Year-Round Residence | Non-Participating    | Moravia | 380448.90                          | 4735308.55 | 0:00  | 0   | 0:00  | 0   |
| 32                   | Seasonal Residence   | Non-Participating    | Moravia | 380438.27                          | 4735350.68 | 0:00  | 0   | 0:00  | 0   |
| 33                   | Year-Round Residence | Non-Participating    | Moravia | 380427.86                          | 4735386.06 | 0:00  | 0   | 0:00  | 0   |
| 34                   | Seasonal Residence   | Non-Participating    | Moravia | 380416.84                          | 4735409.35 | 0:00  | 0   | 0:00  | 0   |
| 35                   | Year-Round Residence | Non-Participating    | Moravia | 380403.13                          | 4735435.60 | 0:00  | 0   | 0:00  | 0   |
| 36                   | Year-Round Residence | Non-Participating    | Moravia | 380441.80                          | 4735458.07 | 0:00  | 0   | 0:00  | 0   |
| 37                   | Seasonal Residence   | Non-Participating    | Moravia | 380400.33                          | 4735455.33 | 0:00  | 0   | 0:00  | 0   |
| 38                   | Seasonal Residence   | Non-Participating    | Moravia | 380359.45                          | 4735490.94 | 0:00  | 0   | 0:00  | 0   |
| 39                   | Seasonal Residence   | Non-Participating    | Moravia | 380341.03                          | 4735540.39 | 0:00  | 0   | 0:00  | 0   |
| 40                   | Seasonal Residence   | Non-Participating    | Moravia | 380302.92                          | 4735618.66 | 0:00  | 0   | 0:00  | 0   |
| 41                   | Seasonal Residence   | Non-Participating    | Moravia | 380283.76                          | 4735645.23 | 0:00  | 0   | 0:00  | 0   |
| 42                   | Seasonal Residence   | Non-Participating    | Moravia | 380267.66                          | 4735669.56 | 0:00  | 0   | 0:00  | 0   |
| 43                   | Seasonal Residence   | Non-Participating    | Moravia | 380313.47                          | 4735656.03 | 0:00  | 0   | 0:00  | 0   |
| 44                   | Seasonal Residence   | Non-Participating    | Moravia | 380261.87                          | 4735692.34 | 0:00  | 0   | 0:00  | 0   |
| 45                   | Year-Round Residence | Non-Participating    | Moravia | 380291.46                          | 4735887.00 | 0:00  | 0   | 0:00  | 0   |
| 46                   | Seasonal Residence   | Non-Participating    | Moravia | 380204.11                          | 4735858.86 | 0:00  | 0   | 0:00  | 0   |
| 47                   | Year-Round Residence | Non-Participating    | Moravia | 380146.65                          | 4735902.72 | 0:00  | 0   | 0:00  | 0   |
| 48                   | Year-Round Residence | Non-Participating    | Moravia | 380117.68                          | 4735922.82 | 0:00  | 0   | 0:00  | 0   |
| 49                   | Year-Round Residence | Non-Participating    | Moravia | 380121.95                          | 4735957.09 | 0:00  | 0   | 0:00  | 0   |
| 50                   | Year-Round Residence | Non-Participating    | Moravia | 380097.52                          | 4735965.78 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X.TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 51                   | Seasonal Residence   | Non-Participating    | Moravia | 380098.40                          | 4735979.46 | 0:00  | 0   | 0:00  | 0   |
| 52                   | Year-Round Residence | Non-Participating    | Moravia | 380100.13                          | 4735992.83 | 0:00  | 0   | 0:00  | 0   |
| 53                   | Year-Round Residence | Non-Participating    | Moravia | 380098.09                          | 4736004.03 | 0:00  | 0   | 0:00  | 0   |
| 54                   | Year-Round Residence | Non-Participating    | Moravia | 380104.10                          | 4736012.71 | 0:00  | 0   | 0:00  | 0   |
| 55                   | Seasonal Residence   | Non-Participating    | Moravia | 380099.82                          | 4736020.13 | 0:00  | 0   | 0:00  | 0   |
| 56                   | Seasonal Residence   | Non-Participating    | Moravia | 380096.62                          | 4736028.20 | 0:00  | 0   | 0:00  | 0   |
| 57                   | Seasonal Residence   | Non-Participating    | Moravia | 380088.71                          | 4736035.37 | 0:00  | 0   | 0:00  | 0   |
| 58                   | Year-Round Residence | Non-Participating    | Moravia | 380080.51                          | 4736043.16 | 0:00  | 0   | 0:00  | 0   |
| 59                   | Year-Round Residence | Non-Participating    | Moravia | 380072.76                          | 4736049.57 | 0:00  | 0   | 0:00  | 0   |
| 60                   | Year-Round Residence | Non-Participating    | Moravia | 380059.06                          | 4736055.81 | 0:00  | 0   | 0:00  | 0   |
| 61                   | Seasonal Residence   | Non-Participating    | Moravia | 380049.43                          | 4736062.66 | 0:00  | 0   | 0:00  | 0   |
| 62                   | Seasonal Residence   | Non-Participating    | Moravia | 380043.45                          | 4736067.58 | 0:00  | 0   | 0:00  | 0   |
| 63                   | Seasonal Residence   | Non-Participating    | Moravia | 380032.66                          | 4736069.73 | 0:00  | 0   | 0:00  | 0   |
| 64                   | Seasonal Residence   | Non-Participating    | Moravia | 380024.81                          | 4736074.84 | 0:00  | 0   | 0:00  | 0   |
| 65                   | Year-Round Residence | Non-Participating    | Moravia | 380015.17                          | 4736084.39 | 0:00  | 0   | 0:00  | 0   |
| 66                   | Year-Round Residence | Non-Participating    | Moravia | 380007.45                          | 4736094.17 | 0:00  | 0   | 0:00  | 0   |
| 67                   | Seasonal Residence   | Non-Participating    | Moravia | 379998.32                          | 4736103.01 | 0:00  | 0   | 0:00  | 0   |
| 68                   | Seasonal Residence   | Non-Participating    | Moravia | 380015.51                          | 4736109.61 | 0:00  | 0   | 0:00  | 0   |
| 69                   | Seasonal Residence   | Non-Participating    | Moravia | 379991.31                          | 4736114.99 | 0:00  | 0   | 0:00  | 0   |
| 70                   | Seasonal Residence   | Non-Participating    | Moravia | 379986.33                          | 4736126.88 | 0:00  | 0   | 0:00  | 0   |
| 71                   | Year-Round Residence | Non-Participating    | Moravia | 379982.47                          | 4736138.54 | 0:00  | 0   | 0:00  | 0   |
| 72                   | Year-Round Residence | Non-Participating    | Moravia | 379981.33                          | 4736153.64 | 0:00  | 0   | 0:00  | 0   |
| 73                   | Seasonal Residence   | Non-Participating    | Moravia | 379977.63                          | 4736166.10 | 0:00  | 0   | 0:00  | 0   |
| 74                   | Seasonal Residence   | Non-Participating    | Moravia | 379973.78                          | 4736180.45 | 0:00  | 0   | 0:00  | 0   |
| 75                   | Seasonal Residence   | Non-Participating    | Moravia | 379952.77                          | 4736181.44 | 0:00  | 0   | 0:00  | 0   |
| 76                   | Year-Round Residence | Non-Participating    | Moravia | 379945.83                          | 4736193.47 | 0:00  | 0   | 0:00  | 0   |
| 77                   | Year-Round Residence | Non-Participating    | Moravia | 379933.66                          | 4736200.40 | 0:00  | 0   | 0:00  | 0   |
| 78                   | Seasonal Residence   | Non-Participating    | Moravia | 379925.74                          | 4736215.20 | 0:00  | 0   | 0:00  | 0   |
| 79                   | Year-Round Residence | Non-Participating    | Moravia | 379912.23                          | 4736227.16 | 0:00  | 0   | 0:00  | 0   |
| 80                   | Year-Round Residence | Non-Participating    | Moravia | 379934.79                          | 4736242.85 | 0:00  | 0   | 0:00  | 0   |
| 81                   | Year-Round Residence | Non-Participating    | Moravia | 379904.07                          | 4736245.60 | 0:00  | 0   | 0:00  | 0   |
| 82                   | Seasonal Residence   | Non-Participating    | Moravia | 379896.48                          | 4736262.60 | 0:00  | 0   | 0:00  | 0   |
| 83                   | Seasonal Residence   | Non-Participating    | Moravia | 379893.42                          | 4736276.99 | 0:00  | 0   | 0:00  | 0   |
| 84                   | Year-Round Residence | Non-Participating    | Moravia | 379889.83                          | 4736293.05 | 0:00  | 0   | 0:00  | 0   |
| 85                   | Year-Round Residence | Non-Participating    | Moravia | 379883.55                          | 4736307.31 | 0:00  | 0   | 0:00  | 0   |
| 86                   | Year-Round Residence | Non-Participating    | Moravia | 379876.46                          | 4736318.86 | 0:00  | 0   | 0:00  | 0   |
| 87                   | Seasonal Residence   | Non-Participating    | Moravia | 379872.06                          | 4736332.18 | 0:00  | 0   | 0:00  | 0   |
| 88                   | Seasonal Residence   | Non-Participating    | Moravia | 379867.88                          | 4736348.13 | 0:00  | 0   | 0:00  | 0   |
| 89                   | Seasonal Residence   | Non-Participating    | Moravia | 379865.15                          | 4736361.94 | 0:00  | 0   | 0:00  | 0   |
| 90                   | Seasonal Residence   | Non-Participating    | Moravia | 379862.44                          | 4736373.56 | 0:00  | 0   | 0:00  | 0   |
| 91                   | Seasonal Residence   | Non-Participating    | Moravia | 379860.53                          | 4736383.43 | 0:00  | 0   | 0:00  | 0   |
| 92                   | Seasonal Residence   | Non-Participating    | Moravia | 379858.57                          | 4736393.35 | 0:00  | 0   | 0:00  | 0   |
| 93                   | Year-Round Residence | Non-Participating    | Moravia | 379853.41                          | 4736406.22 | 0:00  | 0   | 0:00  | 0   |
| 94                   | Seasonal Residence   | Non-Participating    | Moravia | 379851.04                          | 4736418.93 | 0:00  | 0   | 0:00  | 0   |
| 95                   | Seasonal Residence   | Non-Participating    | Moravia | 379855.16                          | 4736427.29 | 0:00  | 0   | 0:00  | 0   |
| 96                   | Year-Round Residence | Non-Participating    | Moravia | 379859.78                          | 4736436.88 | 0:00  | 0   | 0:00  | 0   |
| 97                   | Seasonal Residence   | Non-Participating    | Moravia | 379866.18                          | 4736464.61 | 0:00  | 0   | 0:00  | 0   |
| 98                   | Seasonal Residence   | Non-Participating    | Moravia | 379881.57                          | 4736473.40 | 0:00  | 0   | 0:00  | 0   |
| 99                   | Seasonal Residence   | Non-Participating    | Moravia | 379887.71                          | 4736482.06 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 100                  | Year-Round Residence | Non-Participating    | Moravia | 379896.49                          | 4736490.13 | 0:00  | 0   | 0:00  | 0   |
| 101                  | Seasonal Residence   | Non-Participating    | Moravia | 379905.23                          | 4736503.72 | 0:00  | 0   | 0:00  | 0   |
| 102                  | Seasonal Residence   | Non-Participating    | Moravia | 379916.65                          | 4736513.61 | 0:00  | 0   | 0:00  | 0   |
| 103                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.41                          | 4736521.19 | 0:00  | 0   | 0:00  | 0   |
| 104                  | Year-Round Residence | Non-Participating    | Moravia | 379939.72                          | 4736532.77 | 0:00  | 0   | 0:00  | 0   |
| 105                  | Year-Round Residence | Non-Participating    | Moravia | 379943.83                          | 4736554.70 | 0:00  | 0   | 0:00  | 0   |
| 106                  | Seasonal Residence   | Non-Participating    | Moravia | 379946.39                          | 4736578.38 | 0:00  | 0   | 0:00  | 0   |
| 107                  | Year-Round Residence | Non-Participating    | Moravia | 379908.79                          | 4736729.99 | 0:00  | 0   | 0:00  | 0   |
| 108                  | Year-Round Residence | Non-Participating    | Moravia | 379913.37                          | 4736705.87 | 0:00  | 0   | 0:00  | 0   |
| 109                  | Year-Round Residence | Non-Participating    | Moravia | 379874.96                          | 4736793.65 | 0:00  | 0   | 0:00  | 0   |
| 110                  | Year-Round Residence | Non-Participating    | Moravia | 379847.60                          | 4736862.71 | 0:00  | 0   | 0:00  | 0   |
| 111                  | Year-Round Residence | Non-Participating    | Moravia | 379835.70                          | 4736880.42 | 0:00  | 0   | 0:00  | 0   |
| 112                  | Year-Round Residence | Non-Participating    | Moravia | 379841.25                          | 4736922.72 | 0:00  | 0   | 0:00  | 0   |
| 113                  | Year-Round Residence | Non-Participating    | Moravia | 379793.03                          | 4736984.92 | 0:00  | 0   | 0:00  | 0   |
| 114                  | Year-Round Residence | Non-Participating    | Moravia | 379764.76                          | 4737017.63 | 0:00  | 0   | 0:00  | 0   |
| 115                  | Year-Round Residence | Non-Participating    | Moravia | 379719.73                          | 4737122.89 | 0:00  | 0   | 0:00  | 0   |
| 116                  | Year-Round Residence | Non-Participating    | Moravia | 379689.44                          | 4737191.52 | 0:00  | 0   | 0:00  | 0   |
| 117                  | Year-Round Residence | Non-Participating    | Moravia | 379665.82                          | 4737201.12 | 0:00  | 0   | 0:00  | 0   |
| 118                  | Year-Round Residence | Non-Participating    | Moravia | 379666.62                          | 4737222.05 | 0:00  | 0   | 0:00  | 0   |
| 119                  | Year-Round Residence | Non-Participating    | Moravia | 379739.15                          | 4737235.91 | 0:00  | 0   | 0:00  | 0   |
| 120                  | Year-Round Residence | Non-Participating    | Moravia | 379673.87                          | 4737313.71 | 0:00  | 0   | 0:00  | 0   |
| 121                  | Year-Round Residence | Non-Participating    | Moravia | 379609.87                          | 4737321.66 | 0:00  | 0   | 0:00  | 0   |
| 122                  | Year-Round Residence | Non-Participating    | Moravia | 379574.35                          | 4737345.38 | 0:00  | 0   | 0:00  | 0   |
| 123                  | Year-Round Residence | Non-Participating    | Moravia | 379587.31                          | 4737376.91 | 0:00  | 0   | 0:00  | 0   |
| 124                  | Year-Round Residence | Non-Participating    | Moravia | 379556.81                          | 4737418.00 | 0:00  | 0   | 0:00  | 0   |
| 125                  | Year-Round Residence | Non-Participating    | Moravia | 379540.04                          | 4737445.68 | 0:00  | 0   | 0:00  | 0   |
| 126                  | Seasonal Residence   | Non-Participating    | Moravia | 379538.51                          | 4737487.34 | 0:00  | 0   | 0:00  | 0   |
| 127                  | Seasonal Residence   | Non-Participating    | Moravia | 379522.84                          | 4737537.82 | 0:00  | 0   | 0:00  | 0   |
| 128                  | Year-Round Residence | Non-Participating    | Moravia | 380393.70                          | 4733367.74 | 0:00  | 0   | 0:00  | 0   |
| 129                  | Year-Round Residence | Non-Participating    | Venice  | 379601.66                          | 4734355.41 | 0:00  | 0   | 0:00  | 0   |
| 130                  | Year-Round Residence | Non-Participating    | Venice  | 379553.27                          | 4734436.52 | 0:00  | 0   | 0:00  | 0   |
| 131                  | Year-Round Residence | Non-Participating    | Venice  | 379521.53                          | 4734497.17 | 0:00  | 0   | 0:00  | 0   |
| 132                  | Year-Round Residence | Non-Participating    | Venice  | 379526.21                          | 4734581.83 | 0:00  | 0   | 0:00  | 0   |
| 133                  | Year-Round Residence | Non-Participating    | Venice  | 379520.61                          | 4734591.42 | 0:00  | 0   | 0:00  | 0   |
| 134                  | Year-Round Residence | Non-Participating    | Venice  | 379499.97                          | 4734639.42 | 0:00  | 0   | 0:00  | 0   |
| 135                  | Year-Round Residence | Non-Participating    | Venice  | 379503.53                          | 4734689.79 | 0:00  | 0   | 0:00  | 0   |
| 136                  | Year-Round Residence | Non-Participating    | Venice  | 379509.85                          | 4734704.74 | 0:00  | 0   | 0:00  | 0   |
| 137                  | Year-Round Residence | Non-Participating    | Venice  | 379505.21                          | 4734718.32 | 0:00  | 0   | 0:00  | 0   |
| 138                  | Year-Round Residence | Non-Participating    | Venice  | 379480.77                          | 4734715.83 | 0:00  | 0   | 0:00  | 0   |
| 139                  | Year-Round Residence | Non-Participating    | Venice  | 379466.85                          | 4734716.96 | 0:00  | 0   | 0:00  | 0   |
| 140                  | Year-Round Residence | Non-Participating    | Venice  | 379444.20                          | 4734721.42 | 0:00  | 0   | 0:00  | 0   |
| 141                  | Year-Round Residence | Non-Participating    | Venice  | 379450.28                          | 4734742.87 | 0:00  | 0   | 0:00  | 0   |
| 142                  | Year-Round Residence | Non-Participating    | Venice  | 379465.79                          | 4734740.55 | 0:00  | 0   | 0:00  | 0   |
| 143                  | Year-Round Residence | Non-Participating    | Venice  | 379482.64                          | 4734759.89 | 0:00  | 0   | 0:00  | 0   |
| 144                  | Year-Round Residence | Non-Participating    | Venice  | 379495.37                          | 4734767.84 | 0:00  | 0   | 0:00  | 0   |
| 145                  | Year-Round Residence | Non-Participating    | Venice  | 379464.26                          | 4734778.19 | 0:00  | 0   | 0:00  | 0   |
| 146                  | Year-Round Residence | Non-Participating    | Venice  | 379450.97                          | 4734772.70 | 0:00  | 0   | 0:00  | 0   |
| 147                  | Year-Round Residence | Non-Participating    | Venice  | 379436.69                          | 4734771.16 | 0:00  | 0   | 0:00  | 0   |
| 148                  | Year-Round Residence | Non-Participating    | Venice  | 379383.59                          | 4734788.93 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 149                  | Year-Round Residence | Non-Participating    | Venice  | 379320.63                          | 4734871.09 | 0:00  | 0   | 0:00  | 0   |
| 150                  | Year-Round Residence | Non-Participating    | Venice  | 379330.09                          | 4734900.60 | 0:00  | 0   | 0:00  | 0   |
| 151                  | Year-Round Residence | Non-Participating    | Venice  | 379299.41                          | 4735030.46 | 0:00  | 0   | 0:00  | 0   |
| 152                  | Year-Round Residence | Non-Participating    | Venice  | 379296.10                          | 4735041.99 | 0:00  | 0   | 0:00  | 0   |
| 153                  | Year-Round Residence | Non-Participating    | Venice  | 379295.49                          | 4735049.39 | 0:00  | 0   | 0:00  | 0   |
| 154                  | Year-Round Residence | Non-Participating    | Venice  | 379294.02                          | 4735058.51 | 0:00  | 0   | 0:00  | 0   |
| 155                  | Year-Round Residence | Non-Participating    | Venice  | 379285.35                          | 4735066.50 | 0:00  | 0   | 0:00  | 0   |
| 156                  | Year-Round Residence | Non-Participating    | Venice  | 379260.90                          | 4735095.33 | 0:00  | 0   | 0:00  | 0   |
| 157                  | Year-Round Residence | Non-Participating    | Venice  | 379195.43                          | 4735133.47 | 0:00  | 0   | 0:00  | 0   |
| 158                  | Year-Round Residence | Non-Participating    | Venice  | 379227.11                          | 4735143.52 | 0:00  | 0   | 0:00  | 0   |
| 159                  | Year-Round Residence | Non-Participating    | Venice  | 379169.61                          | 4735261.41 | 0:00  | 0   | 0:00  | 0   |
| 160                  | Year-Round Residence | Non-Participating    | Venice  | 379136.78                          | 4734833.48 | 0:00  | 0   | 0:00  | 0   |
| 161                  | Year-Round Residence | Non-Participating    | Scipio  | 379078.40                          | 4735389.22 | 0:00  | 0   | 0:00  | 0   |
| 162                  | Year-Round Residence | Non-Participating    | Scipio  | 378932.36                          | 4735361.36 | 0:00  | 0   | 0:00  | 0   |
| 163                  | Year-Round Residence | Non-Participating    | Scipio  | 379062.92                          | 4735417.23 | 0:00  | 0   | 0:00  | 0   |
| 164                  | Year-Round Residence | Non-Participating    | Scipio  | 379007.15                          | 4735665.70 | 0:00  | 0   | 0:00  | 0   |
| 165                  | Year-Round Residence | Non-Participating    | Scipio  | 378991.68                          | 4735691.18 | 0:00  | 0   | 0:00  | 0   |
| 166                  | Year-Round Residence | Non-Participating    | Scipio  | 378845.96                          | 4735938.38 | 0:00  | 0   | 0:00  | 0   |
| 167                  | Year-Round Residence | Non-Participating    | Scipio  | 378862.50                          | 4735907.77 | 0:00  | 0   | 0:00  | 0   |
| 168                  | Year-Round Residence | Non-Participating    | Scipio  | 378784.98                          | 4736197.60 | 0:00  | 0   | 0:00  | 0   |
| 169                  | Year-Round Residence | Non-Participating    | Scipio  | 378808.17                          | 4736194.21 | 0:00  | 0   | 0:00  | 0   |
| 170                  | Year-Round Residence | Non-Participating    | Scipio  | 378823.26                          | 4736180.99 | 0:00  | 0   | 0:00  | 0   |
| 171                  | Year-Round Residence | Non-Participating    | Scipio  | 378827.78                          | 4736164.41 | 0:00  | 0   | 0:00  | 0   |
| 172                  | Year-Round Residence | Non-Participating    | Scipio  | 378821.67                          | 4736142.81 | 0:00  | 0   | 0:00  | 0   |
| 173                  | Year-Round Residence | Non-Participating    | Scipio  | 378805.48                          | 4736110.70 | 0:00  | 0   | 0:00  | 0   |
| 174                  | Year-Round Residence | Non-Participating    | Scipio  | 378826.72                          | 4736080.44 | 0:00  | 0   | 0:00  | 0   |
| 175                  | Year-Round Residence | Non-Participating    | Scipio  | 378830.65                          | 4736050.08 | 0:00  | 0   | 0:00  | 0   |
| 176                  | Year-Round Residence | Non-Participating    | Scipio  | 378836.78                          | 4736024.41 | 0:00  | 0   | 0:00  | 0   |
| 177                  | Year-Round Residence | Non-Participating    | Scipio  | 378846.89                          | 4736005.63 | 0:00  | 0   | 0:00  | 0   |
| 178                  | Year-Round Residence | Non-Participating    | Scipio  | 378796.76                          | 4736027.98 | 0:00  | 0   | 0:00  | 0   |
| 179                  | Year-Round Residence | Non-Participating    | Scipio  | 378706.10                          | 4736245.01 | 0:00  | 0   | 0:00  | 0   |
| 180                  | Year-Round Residence | Non-Participating    | Scipio  | 378683.89                          | 4736266.78 | 0:00  | 0   | 0:00  | 0   |
| 181                  | Year-Round Residence | Non-Participating    | Scipio  | 378668.08                          | 4736317.93 | 0:00  | 0   | 0:00  | 0   |
| 182                  | Year-Round Residence | Non-Participating    | Scipio  | 378637.04                          | 4736373.84 | 0:00  | 0   | 0:00  | 0   |
| 183                  | Year-Round Residence | Non-Participating    | Scipio  | 378586.39                          | 4736417.38 | 0:00  | 0   | 0:00  | 0   |
| 184                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.86                          | 4736562.25 | 0:00  | 0   | 0:00  | 0   |
| 185                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.64                          | 4736673.79 | 0:00  | 0   | 0:00  | 0   |
| 186                  | Year-Round Residence | Non-Participating    | Scipio  | 378496.15                          | 4736716.62 | 0:00  | 0   | 0:00  | 0   |
| 187                  | Year-Round Residence | Non-Participating    | Scipio  | 378184.28                          | 4737400.63 | 0:00  | 0   | 0:00  | 0   |
| 188                  | Year-Round Residence | Non-Participating    | Scipio  | 378098.48                          | 4737428.21 | 0:00  | 0   | 0:00  | 0   |
| 189                  | Seasonal Residence   | Non-Participating    | Moravia | 380262.66                          | 4735720.44 | 0:00  | 0   | 0:00  | 0   |
| 190                  | Seasonal Residence   | Non-Participating    | Moravia | 380249.36                          | 4735707.15 | 0:00  | 0   | 0:00  | 0   |
| 191                  | Seasonal Residence   | Non-Participating    | Moravia | 380255.65                          | 4735757.88 | 0:00  | 0   | 0:00  | 0   |
| 192                  | Seasonal Residence   | Non-Participating    | Moravia | 380227.61                          | 4735806.08 | 0:00  | 0   | 0:00  | 0   |
| 193                  | Seasonal Residence   | Non-Participating    | Moravia | 379931.83                          | 4736590.10 | 0:00  | 0   | 0:00  | 0   |
| 194                  | Seasonal Residence   | Non-Participating    | Moravia | 379942.36                          | 4736616.30 | 0:00  | 0   | 0:00  | 0   |
| 195                  | Seasonal Residence   | Non-Participating    | Moravia | 379934.71                          | 4736636.42 | 0:00  | 0   | 0:00  | 0   |
| 196                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.33                          | 4736651.23 | 0:00  | 0   | 0:00  | 0   |
| 197                  | Seasonal Residence   | Non-Participating    | Moravia | 379907.88                          | 4736676.63 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 198                  | Seasonal Residence   | Non-Participating    | Moravia | 379901.53                          | 4736770.98 | 0:00  | 0   | 0:00  | 0   |
| 199                  | Seasonal Residence   | Non-Participating    | Moravia | 379874.80                          | 4736813.17 | 0:00  | 0   | 0:00  | 0   |
| 200                  | Seasonal Residence   | Non-Participating    | Moravia | 379862.22                          | 4736838.61 | 0:00  | 0   | 0:00  | 0   |
| 201                  | Seasonal Residence   | Non-Participating    | Moravia | 379810.54                          | 4736949.11 | 0:00  | 0   | 0:00  | 0   |
| 202                  | Seasonal Residence   | Non-Participating    | Moravia | 379754.81                          | 4737062.03 | 0:00  | 0   | 0:00  | 0   |
| 203                  | Seasonal Residence   | Non-Participating    | Moravia | 379738.10                          | 4737086.35 | 0:00  | 0   | 0:00  | 0   |
| 204                  | Seasonal Residence   | Non-Participating    | Moravia | 379747.11                          | 4737112.68 | 0:00  | 0   | 0:00  | 0   |
| 205                  | Seasonal Residence   | Non-Participating    | Moravia | 379697.70                          | 4737132.04 | 0:00  | 0   | 0:00  | 0   |
| 206                  | Seasonal Residence   | Non-Participating    | Moravia | 379693.37                          | 4737158.69 | 0:00  | 0   | 0:00  | 0   |
| 207                  | Seasonal Residence   | Non-Participating    | Moravia | 379638.83                          | 4737273.11 | 0:00  | 0   | 0:00  | 0   |
| 208                  | Seasonal Residence   | Non-Participating    | Moravia | 379561.59                          | 4737384.67 | 0:00  | 0   | 0:00  | 0   |
| 209                  | Seasonal Residence   | Non-Participating    | Niles   | 379498.76                          | 4737580.94 | 0:00  | 0   | 0:00  | 0   |
| 210                  | Seasonal Residence   | Non-Participating    | Niles   | 379492.60                          | 4737607.77 | 0:00  | 0   | 0:00  | 0   |
| 211                  | Seasonal Residence   | Non-Participating    | Niles   | 379479.32                          | 4737638.85 | 0:00  | 0   | 0:00  | 0   |
| 212                  | Seasonal Residence   | Non-Participating    | Niles   | 379468.92                          | 4737659.08 | 0:00  | 0   | 0:00  | 0   |
| 213                  | Seasonal Residence   | Non-Participating    | Niles   | 379461.19                          | 4737677.38 | 0:00  | 0   | 0:00  | 0   |
| 214                  | Seasonal Residence   | Non-Participating    | Niles   | 379455.43                          | 4737694.03 | 0:00  | 0   | 0:00  | 0   |
| 215                  | Seasonal Residence   | Non-Participating    | Niles   | 379446.82                          | 4737714.46 | 0:00  | 0   | 0:00  | 0   |
| 216                  | Seasonal Residence   | Non-Participating    | Niles   | 379436.64                          | 4737737.67 | 0:00  | 0   | 0:00  | 0   |
| 217                  | Seasonal Residence   | Non-Participating    | Niles   | 379427.69                          | 4737765.33 | 0:00  | 0   | 0:00  | 0   |
| 218                  | Seasonal Residence   | Non-Participating    | Niles   | 379324.64                          | 4737794.52 | 0:00  | 0   | 0:00  | 0   |
| 219                  | Seasonal Residence   | Non-Participating    | Niles   | 379348.60                          | 4737891.42 | 0:00  | 0   | 0:00  | 0   |
| 220                  | Seasonal Residence   | Non-Participating    | Niles   | 379335.91                          | 4737939.30 | 0:00  | 0   | 0:00  | 0   |
| 221                  | Seasonal Residence   | Non-Participating    | Niles   | 379262.28                          | 4737989.10 | 0:00  | 0   | 0:00  | 0   |
| 222                  | Seasonal Residence   | Non-Participating    | Venice  | 379634.88                          | 4734302.75 | 0:00  | 0   | 0:00  | 0   |
| 223                  | Seasonal Residence   | Non-Participating    | Venice  | 379698.88                          | 4734505.64 | 0:00  | 0   | 0:00  | 0   |
| 224                  | Seasonal Residence   | Non-Participating    | Venice  | 379597.50                          | 4734525.85 | 0:00  | 0   | 0:00  | 0   |
| 225                  | Seasonal Residence   | Non-Participating    | Venice  | 379583.90                          | 4734535.92 | 0:00  | 0   | 0:00  | 0   |
| 226                  | Seasonal Residence   | Non-Participating    | Venice  | 379570.06                          | 4734543.74 | 0:00  | 0   | 0:00  | 0   |
| 227                  | Seasonal Residence   | Non-Participating    | Venice  | 379544.15                          | 4734554.57 | 0:00  | 0   | 0:00  | 0   |
| 228                  | Seasonal Residence   | Non-Participating    | Venice  | 379553.12                          | 4734572.45 | 0:00  | 0   | 0:00  | 0   |
| 229                  | Seasonal Residence   | Non-Participating    | Venice  | 379510.21                          | 4734601.49 | 0:00  | 0   | 0:00  | 0   |
| 230                  | Seasonal Residence   | Non-Participating    | Venice  | 379511.82                          | 4734610.87 | 0:00  | 0   | 0:00  | 0   |
| 231                  | Seasonal Residence   | Non-Participating    | Venice  | 379492.96                          | 4734717.58 | 0:00  | 0   | 0:00  | 0   |
| 232                  | Seasonal Residence   | Non-Participating    | Venice  | 379472.59                          | 4734751.64 | 0:00  | 0   | 0:00  | 0   |
| 233                  | Seasonal Residence   | Non-Participating    | Venice  | 379412.27                          | 4734796.05 | 0:00  | 0   | 0:00  | 0   |
| 234                  | Seasonal Residence   | Non-Participating    | Venice  | 379389.59                          | 4734779.14 | 0:00  | 0   | 0:00  | 0   |
| 235                  | Seasonal Residence   | Non-Participating    | Venice  | 379361.33                          | 4734801.75 | 0:00  | 0   | 0:00  | 0   |
| 236                  | Seasonal Residence   | Non-Participating    | Venice  | 379377.56                          | 4734844.99 | 0:00  | 0   | 0:00  | 0   |
| 237                  | Seasonal Residence   | Non-Participating    | Venice  | 379351.97                          | 4734841.33 | 0:00  | 0   | 0:00  | 0   |
| 238                  | Seasonal Residence   | Non-Participating    | Venice  | 379342.18                          | 4734857.25 | 0:00  | 0   | 0:00  | 0   |
| 239                  | Seasonal Residence   | Non-Participating    | Venice  | 379329.92                          | 4734937.17 | 0:00  | 0   | 0:00  | 0   |
| 240                  | Seasonal Residence   | Non-Participating    | Venice  | 379279.11                          | 4734959.98 | 0:00  | 0   | 0:00  | 0   |
| 241                  | Seasonal Residence   | Non-Participating    | Venice  | 379272.44                          | 4734970.00 | 0:00  | 0   | 0:00  | 0   |
| 242                  | Seasonal Residence   | Non-Participating    | Venice  | 379256.31                          | 4735014.79 | 0:00  | 0   | 0:00  | 0   |
| 243                  | Seasonal Residence   | Non-Participating    | Venice  | 379278.90                          | 4735079.07 | 0:00  | 0   | 0:00  | 0   |
| 244                  | Seasonal Residence   | Non-Participating    | Venice  | 379245.70                          | 4735116.49 | 0:00  | 0   | 0:00  | 0   |
| 245                  | Seasonal Residence   | Non-Participating    | Venice  | 379232.44                          | 4735134.99 | 0:00  | 0   | 0:00  | 0   |
| 246                  | Year-Round Residence | Non-Participating    | Venice  | 378998.25                          | 4735265.22 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 247                  | Seasonal Residence   | Non-Participating    | Venice  | 379066.29                          | 4735291.50 | 0:00  | 0   | 0:00  | 0   |
| 248                  | Seasonal Residence   | Non-Participating    | Scipio  | 379089.05                          | 4735348.51 | 0:00  | 0   | 0:00  | 0   |
| 249                  | Seasonal Residence   | Non-Participating    | Scipio  | 379093.32                          | 4735369.67 | 0:00  | 0   | 0:00  | 0   |
| 250                  | Seasonal Residence   | Non-Participating    | Scipio  | 379091.13                          | 4735434.72 | 0:00  | 0   | 0:00  | 0   |
| 251                  | Seasonal Residence   | Non-Participating    | Scipio  | 379086.27                          | 4735473.71 | 0:00  | 0   | 0:00  | 0   |
| 252                  | Seasonal Residence   | Non-Participating    | Scipio  | 379066.93                          | 4735506.50 | 0:00  | 0   | 0:00  | 0   |
| 253                  | Seasonal Residence   | Non-Participating    | Scipio  | 379053.19                          | 4735549.98 | 0:00  | 0   | 0:00  | 0   |
| 254                  | Seasonal Residence   | Non-Participating    | Scipio  | 379015.81                          | 4735615.48 | 0:00  | 0   | 0:00  | 0   |
| 255                  | Seasonal Residence   | Non-Participating    | Scipio  | 379005.35                          | 4735632.30 | 0:00  | 0   | 0:00  | 0   |
| 256                  | Seasonal Residence   | Non-Participating    | Scipio  | 379006.77                          | 4735650.36 | 0:00  | 0   | 0:00  | 0   |
| 257                  | Seasonal Residence   | Non-Participating    | Scipio  | 378968.98                          | 4735711.86 | 0:00  | 0   | 0:00  | 0   |
| 258                  | Seasonal Residence   | Non-Participating    | Scipio  | 378961.50                          | 4735726.01 | 0:00  | 0   | 0:00  | 0   |
| 259                  | Seasonal Residence   | Non-Participating    | Scipio  | 378907.66                          | 4735876.35 | 0:00  | 0   | 0:00  | 0   |
| 260                  | Seasonal Residence   | Non-Participating    | Scipio  | 378578.03                          | 4736475.96 | 0:00  | 0   | 0:00  | 0   |
| 261                  | Seasonal Residence   | Non-Participating    | Scipio  | 378564.57                          | 4736508.17 | 0:00  | 0   | 0:00  | 0   |
| 262                  | Seasonal Residence   | Non-Participating    | Scipio  | 378433.48                          | 4736881.83 | 0:00  | 0   | 0:00  | 0   |
| 263                  | Seasonal Residence   | Non-Participating    | Scipio  | 378162.15                          | 4737337.37 | 0:00  | 0   | 0:00  | 0   |
| 264                  | Seasonal Residence   | Non-Participating    | Scipio  | 377503.52                          | 4737880.95 | 0:00  | 0   | 0:00  | 0   |
| 265                  | Seasonal Residence   | Non-Participating    | Scipio  | 377647.75                          | 4737994.31 | 0:00  | 0   | 0:00  | 0   |
| 266                  | Seasonal Residence   | Non-Participating    | Scipio  | 377676.45                          | 4737936.68 | 0:00  | 0   | 0:00  | 0   |
| 273                  | Year-Round Residence | Non-Participating    | Moravia | 380786.57                          | 4735247.98 | 0:00  | 0   | 0:00  | 0   |
| 290                  | Year-Round Residence | Non-Participating    | Scipio  | 377104.22                          | 4738132.82 | 0:00  | 0   | 0:00  | 0   |
| 292                  | Year-Round Residence | Non-Participating    | Scipio  | 377335.15                          | 4738630.15 | 0:00  | 0   | 0:00  | 0   |
| 293                  | Year-Round Residence | Non-Participating    | Scipio  | 377219.41                          | 4738715.14 | 0:00  | 0   | 0:00  | 0   |
| 294                  | Year-Round Residence | Non-Participating    | Scipio  | 377195.26                          | 4738763.91 | 0:00  | 0   | 0:00  | 0   |
| 295                  | Seasonal Residence   | Non-Participating    | Scipio  | 377164.00                          | 4738840.42 | 0:00  | 0   | 0:00  | 0   |
| 296                  | Year-Round Residence | Non-Participating    | Scipio  | 377177.55                          | 4738904.10 | 0:00  | 0   | 0:00  | 0   |
| 297                  | Year-Round Residence | Non-Participating    | Scipio  | 377160.07                          | 4738940.39 | 0:00  | 0   | 0:00  | 0   |
| 298                  | Year-Round Residence | Non-Participating    | Scipio  | 377166.05                          | 4738988.23 | 0:00  | 0   | 0:00  | 0   |
| 299                  | Year-Round Residence | Non-Participating    | Scipio  | 377169.54                          | 4739077.16 | 0:00  | 0   | 0:00  | 0   |
| 300                  | Year-Round Residence | Non-Participating    | Scipio  | 377175.12                          | 4739064.71 | 0:00  | 0   | 0:00  | 0   |
| 301                  | Year-Round Residence | Non-Participating    | Scipio  | 377145.85                          | 4739092.14 | 0:00  | 0   | 0:00  | 0   |
| 303                  | Year-Round Residence | Non-Participating    | Scipio  | 376945.33                          | 4739169.65 | 0:00  | 0   | 0:00  | 0   |
| 304                  | Year-Round Residence | Non-Participating    | Scipio  | 376824.82                          | 4739117.06 | 0:00  | 0   | 0:00  | 0   |
| 305                  | Seasonal Residence   | Non-Participating    | Scipio  | 376847.02                          | 4739447.58 | 0:00  | 0   | 0:00  | 0   |
| 306                  | Seasonal Residence   | Non-Participating    | Scipio  | 376679.79                          | 4739750.41 | 0:00  | 0   | 0:00  | 0   |
| 307                  | Seasonal Residence   | Non-Participating    | Scipio  | 376572.43                          | 4739875.57 | 0:00  | 0   | 0:00  | 0   |
| 308                  | Seasonal Residence   | Non-Participating    | Scipio  | 376554.38                          | 4739939.48 | 0:00  | 0   | 0:00  | 0   |
| 309                  | Year-Round Residence | Non-Participating    | Scipio  | 376540.37                          | 4739966.99 | 0:00  | 0   | 0:00  | 0   |
| 310                  | Seasonal Residence   | Non-Participating    | Scipio  | 376518.99                          | 4740028.06 | 0:00  | 0   | 0:00  | 0   |
| 311                  | Seasonal Residence   | Non-Participating    | Scipio  | 376445.15                          | 4740100.28 | 0:00  | 0   | 0:00  | 0   |
| 312                  | Year-Round Residence | Non-Participating    | Scipio  | 376375.24                          | 4740129.93 | 0:00  | 0   | 0:00  | 0   |
| 313                  | Year-Round Residence | Non-Participating    | Scipio  | 376385.70                          | 4740184.22 | 0:00  | 0   | 0:00  | 0   |
| 314                  | Seasonal Residence   | Non-Participating    | Scipio  | 376385.76                          | 4740226.00 | 0:00  | 0   | 0:00  | 0   |
| 315                  | Seasonal Residence   | Non-Participating    | Scipio  | 376157.52                          | 4740123.48 | 0:00  | 0   | 0:00  | 0   |
| 317                  | Seasonal Residence   | Non-Participating    | Scipio  | 376269.90                          | 4740285.20 | 0:00  | 0   | 0:00  | 0   |
| 318                  | Seasonal Residence   | Non-Participating    | Scipio  | 376164.74                          | 4740778.68 | 0:00  | 0   | 0:00  | 0   |
| 319                  | Year-Round Residence | Non-Participating    | Scipio  | 376019.05                          | 4740932.17 | 0:00  | 0   | 0:00  | 0   |
| 320                  | Year-Round Residence | Non-Participating    | Scipio  | 376095.37                          | 4740953.62 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 321                  | Seasonal Residence   | Non-Participating    | Scipio | 376148.50                          | 4740919.57 | 0:00  | 0   | 0:00  | 0   |
| 322                  | Year-Round Residence | Non-Participating    | Scipio | 375998.14                          | 4740998.68 | 0:00  | 0   | 0:00  | 0   |
| 323                  | Year-Round Residence | Non-Participating    | Scipio | 375317.58                          | 4741086.66 | 0:00  | 0   | 0:00  | 0   |
| 324                  | Year-Round Residence | Non-Participating    | Scipio | 375551.40                          | 4740306.69 | 0:00  | 0   | 0:00  | 0   |
| 325                  | Year-Round Residence | Non-Participating    | Scipio | 375745.99                          | 4740280.88 | 0:00  | 0   | 0:00  | 0   |
| 326                  | Year-Round Residence | Non-Participating    | Scipio | 375781.55                          | 4740220.63 | 0:00  | 0   | 0:00  | 0   |
| 327                  | Year-Round Residence | Non-Participating    | Scipio | 375824.58                          | 4740152.26 | 0:00  | 0   | 0:00  | 0   |
| 328                  | Year-Round Residence | Non-Participating    | Scipio | 375851.51                          | 4740038.78 | 0:00  | 0   | 0:00  | 0   |
| 329                  | Year-Round Residence | Non-Participating    | Scipio | 375771.75                          | 4739989.05 | 0:00  | 0   | 0:00  | 0   |
| 330                  | Year-Round Residence | Non-Participating    | Scipio | 375817.88                          | 4739892.29 | 0:00  | 0   | 0:00  | 0   |
| 331                  | Year-Round Residence | Non-Participating    | Scipio | 375953.83                          | 4739896.63 | 0:00  | 0   | 0:00  | 0   |
| 332                  | Year-Round Residence | Non-Participating    | Scipio | 376022.06                          | 4739951.66 | 0:00  | 0   | 0:00  | 0   |
| 333                  | Year-Round Residence | Non-Participating    | Scipio | 376083.18                          | 4739975.58 | 0:00  | 0   | 0:00  | 0   |
| 334                  | Year-Round Residence | Non-Participating    | Scipio | 376187.86                          | 4739959.44 | 0:00  | 0   | 0:00  | 0   |
| 335                  | Year-Round Residence | Non-Participating    | Scipio | 375998.56                          | 4739764.29 | 0:00  | 0   | 0:00  | 0   |
| 336                  | Year-Round Residence | Non-Participating    | Scipio | 375796.95                          | 4739783.34 | 0:00  | 0   | 0:00  | 0   |
| 337                  | Year-Round Residence | Non-Participating    | Scipio | 376306.15                          | 4739623.74 | 0:00  | 0   | 0:00  | 0   |
| 339                  | Year-Round Residence | Non-Participating    | Scipio | 376332.70                          | 4739141.92 | 0:00  | 0   | 0:00  | 0   |
| 340                  | Year-Round Residence | Non-Participating    | Scipio | 376144.16                          | 4739276.60 | 0:00  | 0   | 0:00  | 0   |
| 341                  | Year-Round Residence | Non-Participating    | Scipio | 376187.31                          | 4739137.02 | 0:00  | 0   | 0:00  | 0   |
| 342                  | Year-Round Residence | Non-Participating    | Scipio | 376227.89                          | 4738899.41 | 0:00  | 0   | 0:00  | 0   |
| 344                  | Year-Round Residence | Non-Participating    | Scipio | 376217.92                          | 4738755.38 | 0:00  | 0   | 0:00  | 0   |
| 345                  | Year-Round Residence | Non-Participating    | Scipio | 376480.22                          | 4738795.14 | 0:00  | 0   | 0:00  | 0   |
| 346                  | Year-Round Residence | Non-Participating    | Scipio | 376514.68                          | 4738715.30 | 0:00  | 0   | 0:00  | 0   |
| 347                  | Year-Round Residence | Non-Participating    | Scipio | 376555.71                          | 4738636.79 | 0:00  | 0   | 0:00  | 0   |
| 348                  | Year-Round Residence | Non-Participating    | Scipio | 376655.88                          | 4738748.25 | 0:00  | 0   | 0:00  | 0   |
| 349                  | Year-Round Residence | Non-Participating    | Scipio | 376597.43                          | 4738556.45 | 0:00  | 0   | 0:00  | 0   |
| 350                  | Year-Round Residence | Non-Participating    | Scipio | 376582.31                          | 4738428.14 | 0:00  | 0   | 0:00  | 0   |
| 351                  | Year-Round Residence | Non-Participating    | Scipio | 376547.67                          | 4738460.03 | 0:00  | 0   | 0:00  | 0   |
| 352                  | Year-Round Residence | Non-Participating    | Scipio | 376622.44                          | 4738302.06 | 0:00  | 0   | 0:00  | 0   |
| 353                  | Year-Round Residence | Non-Participating    | Scipio | 376645.33                          | 4738263.85 | 0:00  | 0   | 0:00  | 0   |
| 354                  | Year-Round Residence | Non-Participating    | Scipio | 376509.32                          | 4738158.88 | 0:00  | 0   | 0:00  | 0   |
| 355                  | Year-Round Residence | Non-Participating    | Scipio | 376527.16                          | 4738161.09 | 0:00  | 0   | 0:00  | 0   |
| 356                  | Year-Round Residence | Non-Participating    | Scipio | 376559.13                          | 4738161.21 | 0:00  | 0   | 0:00  | 0   |
| 357                  | Year-Round Residence | Non-Participating    | Scipio | 376588.09                          | 4738155.58 | 0:00  | 0   | 0:00  | 0   |
| 358                  | Year-Round Residence | Non-Participating    | Scipio | 376583.35                          | 4738116.08 | 0:00  | 0   | 0:00  | 0   |
| 359                  | Year-Round Residence | Non-Participating    | Scipio | 376563.83                          | 4738121.53 | 0:00  | 0   | 0:00  | 0   |
| 360                  | Year-Round Residence | Non-Participating    | Scipio | 376518.42                          | 4738121.29 | 0:00  | 0   | 0:00  | 0   |
| 361                  | Year-Round Residence | Non-Participating    | Scipio | 376515.96                          | 4738106.08 | 0:00  | 0   | 0:00  | 0   |
| 362                  | Year-Round Residence | Non-Participating    | Scipio | 376535.16                          | 4738084.29 | 0:00  | 0   | 0:00  | 0   |
| 363                  | Year-Round Residence | Non-Participating    | Scipio | 376564.58                          | 4738102.99 | 0:00  | 0   | 0:00  | 0   |
| 364                  | Year-Round Residence | Non-Participating    | Scipio | 376578.37                          | 4738083.11 | 0:00  | 0   | 0:00  | 0   |
| 365                  | Year-Round Residence | Non-Participating    | Scipio | 376601.14                          | 4738096.49 | 0:00  | 0   | 0:00  | 0   |
| 366                  | Year-Round Residence | Non-Participating    | Scipio | 376613.55                          | 4738080.27 | 0:00  | 0   | 0:00  | 0   |
| 367                  | Year-Round Residence | Non-Participating    | Scipio | 376636.08                          | 4738119.45 | 0:00  | 0   | 0:00  | 0   |
| 368                  | Year-Round Residence | Non-Participating    | Scipio | 376645.52                          | 4738099.65 | 0:00  | 0   | 0:00  | 0   |
| 369                  | Year-Round Residence | Non-Participating    | Scipio | 376653.23                          | 4738084.61 | 0:00  | 0   | 0:00  | 0   |
| 370                  | Year-Round Residence | Non-Participating    | Scipio | 376682.48                          | 4738113.85 | 0:00  | 0   | 0:00  | 0   |
| 371                  | Year-Round Residence | Non-Participating    | Scipio | 376682.37                          | 4738088.79 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 372                  | Year-Round Residence | Non-Participating    | Scipio | 376700.87                          | 4738087.35 | 0:00  | 0   | 0:00  | 0   |
| 374                  | Year-Round Residence | Non-Participating    | Scipio | 377002.88                          | 4738376.40 | 0:00  | 0   | 0:00  | 0   |
| 375                  | Year-Round Residence | Non-Participating    | Scipio | 376982.55                          | 4738420.26 | 0:00  | 0   | 0:00  | 0   |
| 380                  | Year-Round Residence | Non-Participating    | Scipio | 376806.33                          | 4737996.74 | 0:00  | 0   | 0:00  | 0   |
| 381                  | Year-Round Residence | Non-Participating    | Scipio | 377037.53                          | 4737734.48 | 0:00  | 0   | 0:00  | 0   |
| 382                  | Year-Round Residence | Non-Participating    | Scipio | 377249.06                          | 4737372.69 | 0:00  | 0   | 0:00  | 0   |
| 385                  | Year-Round Residence | Non-Participating    | Scipio | 377404.36                          | 4737266.61 | 0:00  | 0   | 0:00  | 0   |
| 386                  | Year-Round Residence | Non-Participating    | Scipio | 377459.07                          | 4737181.30 | 0:00  | 0   | 0:00  | 0   |
| 387                  | Year-Round Residence | Non-Participating    | Scipio | 377706.61                          | 4736919.10 | 0:00  | 0   | 0:00  | 0   |
| 388                  | Year-Round Residence | Non-Participating    | Scipio | 377700.41                          | 4736801.52 | 0:00  | 0   | 0:00  | 0   |
| 389                  | Year-Round Residence | Non-Participating    | Scipio | 377741.56                          | 4736884.30 | 0:00  | 0   | 0:00  | 0   |
| 390                  | Year-Round Residence | Non-Participating    | Scipio | 377779.16                          | 4736855.26 | 0:00  | 0   | 0:00  | 0   |
| 391                  | Year-Round Residence | Non-Participating    | Scipio | 377839.18                          | 4736763.32 | 0:00  | 0   | 0:00  | 0   |
| 392                  | Year-Round Residence | Non-Participating    | Scipio | 377723.23                          | 4736565.70 | 0:00  | 0   | 0:00  | 0   |
| 393                  | Year-Round Residence | Non-Participating    | Scipio | 377732.21                          | 4736637.82 | 0:00  | 0   | 0:00  | 0   |
| 394                  | Year-Round Residence | Non-Participating    | Scipio | 377970.65                          | 4736567.96 | 0:00  | 0   | 0:00  | 0   |
| 395                  | Year-Round Residence | Non-Participating    | Scipio | 378002.63                          | 4736510.69 | 0:00  | 0   | 0:00  | 0   |
| 396                  | Year-Round Residence | Non-Participating    | Scipio | 378238.68                          | 4736371.12 | 0:00  | 0   | 0:00  | 0   |
| 397                  | Year-Round Residence | Non-Participating    | Scipio | 378107.18                          | 4736371.41 | 0:00  | 0   | 0:00  | 0   |
| 398                  | Year-Round Residence | Non-Participating    | Scipio | 378297.18                          | 4736294.83 | 0:00  | 0   | 0:00  | 0   |
| 399                  | Year-Round Residence | Non-Participating    | Scipio | 378365.66                          | 4736207.82 | 0:00  | 0   | 0:00  | 0   |
| 400                  | Year-Round Residence | Non-Participating    | Scipio | 378401.71                          | 4736134.85 | 0:00  | 0   | 0:00  | 0   |
| 403                  | Year-Round Residence | Non-Participating    | Scipio | 378443.04                          | 4735898.68 | 0:00  | 0   | 0:00  | 0   |
| 404                  | Year-Round Residence | Non-Participating    | Scipio | 378471.26                          | 4735853.47 | 0:00  | 0   | 0:00  | 0   |
| 405                  | Year-Round Residence | Non-Participating    | Scipio | 378452.25                          | 4735789.17 | 14:29   | 25  | 2:03  | 123   |
| 406                  | Year-Round Residence | Non-Participating    | Scipio | 378527.85                          | 4735752.51 | 0:00  | 0   | 0:00  | 0   |
| 407                  | Year-Round Residence | Non-Participating    | Venice | 379418.44                          | 4734636.13 | 0:00  | 0   | 0:00  | 0   |
| 408                  | Year-Round Residence | Non-Participating    | Venice | 378811.32                          | 4735200.84 | 0:00  | 0   | 0:00  | 0   |
| 409                  | Year-Round Residence | Non-Participating    | Venice | 378777.44                          | 4735191.95 | 0:00  | 0   | 0:00  | 0   |
| 410                  | Year-Round Residence | Non-Participating    | Venice | 378806.44                          | 4735300.44 | 0:00  | 0   | 0:00  | 0   |
| 412                  | Year-Round Residence | Non-Participating    | Venice | 378600.96                          | 4735293.06 | 9:44  | 24  | 1:56  | 116   |
| 415                  | Year-Round Residence | Non-Participating    | Scipio | 378369.73                          | 4735340.63 | 13:49   | 29  | 2:39  | 159   |
| 416                  | Year-Round Residence | Non-Participating    | Scipio | 378241.69                          | 4735331.41 | 17:23   | 32  | 3:19  | 199   |
| 418                  | Year-Round Residence | Non-Participating    | Scipio | 377968.10                          | 4735715.79 | 32:52   | 36  | 4:25  | 265   |
| 419                  | Year-Round Residence | Non-Participating    | Scipio | 377756.08                          | 4735780.44 | 0:00  | 0   | 0:00  | 0   |
| 420                  | Year-Round Residence | Non-Participating    | Scipio | 377834.28                          | 4735863.24 | 0:00  | 0   | 0:00  | 0   |
| 421                  | Year-Round Residence | Non-Participating    | Scipio | 377758.62                          | 4736032.13 | 0:00  | 0   | 0:00  | 0   |
| 422                  | Year-Round Residence | Non-Participating    | Scipio | 377760.75                          | 4736126.17 | 0:00  | 0   | 0:00  | 0   |
| 424                  | Year-Round Residence | Non-Participating    | Scipio | 378029.39                          | 4736175.93 | 0:00  | 0   | 0:00  | 0   |
| 427                  | Year-Round Residence | Non-Participating    | Scipio | 377777.78                          | 4736336.91 | 0:00  | 0   | 0:00  | 0   |
| 428                  | Year-Round Residence | Non-Participating    | Scipio | 377681.32                          | 4736423.36 | 0:00  | 0   | 0:00  | 0   |
| 429                  | Year-Round Residence | Non-Participating    | Scipio | 377760.24                          | 4736466.92 | 0:00  | 0   | 0:00  | 0   |
| 430                  | Year-Round Residence | Non-Participating    | Scipio | 377511.27                          | 4736420.74 | 0:00  | 0   | 0:00  | 0   |
| 431                  | Year-Round Residence | Non-Participating    | Scipio | 374961.46                          | 4741178.49 | 0:00  | 0   | 0:00  | 0   |
| 432                  | Year-Round Residence | Non-Participating    | Scipio | 374810.39                          | 4741083.13 | 0:00  | 0   | 0:00  | 0   |
| 433                  | Year-Round Residence | Non-Participating    | Scipio | 375180.48                          | 4741204.45 | 0:00  | 0   | 0:00  | 0   |
| 434                  | Year-Round Residence | Non-Participating    | Scipio | 374822.08                          | 4740951.38 | 0:00  | 0   | 0:00  | 0   |
| 435                  | Year-Round Residence | Non-Participating    | Scipio | 374823.36                          | 4740864.54 | 0:00  | 0   | 0:00  | 0   |
| 436                  | Year-Round Residence | Non-Participating    | Scipio | 374889.05                          | 4740745.61 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 438                  | Year-Round Residence | Non-Participating    | Scipio | 374822.90                          | 4740511.45 | 0:00  | 0   | 0:00  | 0   |
| 439                  | Year-Round Residence | Non-Participating    | Scipio | 374933.80                          | 4740458.88 | 0:00  | 0   | 0:00  | 0   |
| 440                  | Year-Round Residence | Non-Participating    | Scipio | 374890.23                          | 4740286.05 | 0:00  | 0   | 0:00  | 0   |
| 441                  | Year-Round Residence | Non-Participating    | Scipio | 374900.82                          | 4740231.00 | 0:00  | 0   | 0:00  | 0   |
| 442                  | Year-Round Residence | Non-Participating    | Scipio | 374861.06                          | 4739699.92 | 0:00  | 0   | 0:00  | 0   |
| 443                  | Year-Round Residence | Non-Participating    | Scipio | 374856.91                          | 4739807.89 | 0:00  | 0   | 0:00  | 0   |
| 446                  | Year-Round Residence | Non-Participating    | Scipio | 374859.13                          | 4739577.90 | 0:00  | 0   | 0:00  | 0   |
| 447                  | Year-Round Residence | Non-Participating    | Scipio | 375675.13                          | 4739496.33 | 0:00  | 0   | 0:00  | 0   |
| 448                  | Year-Round Residence | Non-Participating    | Scipio | 375826.88                          | 4739477.02 | 0:00  | 0   | 0:00  | 0   |
| 449                  | Year-Round Residence | Non-Participating    | Scipio | 374916.41                          | 4739293.75 | 0:00  | 0   | 0:00  | 0   |
| 450                  | Year-Round Residence | Non-Participating    | Scipio | 374858.13                          | 4739212.54 | 0:00  | 0   | 0:00  | 0   |
| 451                  | Year-Round Residence | Non-Participating    | Scipio | 374928.64                          | 4739158.84 | 0:00  | 0   | 0:00  | 0   |
| 453                  | Year-Round Residence | Non-Participating    | Scipio | 374934.50                          | 4739006.89 | 0:00  | 0   | 0:00  | 0   |
| 454                  | Year-Round Residence | Non-Participating    | Scipio | 374855.79                          | 4738703.58 | 0:00  | 0   | 0:00  | 0   |
| 455                  | Year-Round Residence | Non-Participating    | Scipio | 374956.18                          | 4738671.91 | 0:00  | 0   | 0:00  | 0   |
| 456                  | Year-Round Residence | Non-Participating    | Scipio | 374892.50                          | 4738549.60 | 0:00  | 0   | 0:00  | 0   |
| 457                  | Year-Round Residence | Non-Participating    | Scipio | 374960.28                          | 4738619.16 | 0:00  | 0   | 0:00  | 0   |
| 459                  | Year-Round Residence | Non-Participating    | Scipio | 374808.65                          | 4738437.47 | 0:00  | 0   | 0:00  | 0   |
| 460                  | Year-Round Residence | Non-Participating    | Scipio | 374885.54                          | 4738372.82 | 0:00  | 0   | 0:00  | 0   |
| 461                  | Year-Round Residence | Non-Participating    | Scipio | 375098.61                          | 4738363.73 | 0:00  | 0   | 0:00  | 0   |
| 462                  | Year-Round Residence | Non-Participating    | Scipio | 374900.17                          | 4738281.00 | 0:00  | 0   | 0:00  | 0   |
| 464                  | Year-Round Residence | Non-Participating    | Scipio | 374732.66                          | 4738243.73 | 0:00  | 0   | 0:00  | 0   |
| 465                  | Year-Round Residence | Non-Participating    | Scipio | 374960.11                          | 4738204.84 | 5:36  | 20  | 0:40  | 40  |
| 466                  | Year-Round Residence | Non-Participating    | Scipio | 374880.46                          | 4738134.81 | 22:08   | 40  | 2:57  | 177   |
| 467                  | Year-Round Residence | Non-Participating    | Scipio | 374967.38                          | 4737991.30 | 102:50  | 63  | 14:41   | 881   |
| 468                  | Year-Round Residence | Non-Participating    | Scipio | 375108.65                          | 4737989.01 | 61:50   | 52  | 9:21  | 561   |
| 469                  | Year-Round Residence | Non-Participating    | Scipio | 375207.68                          | 4737981.34 | 41:55   | 46  | 6:52  | 412   |
| 470                  | Year-Round Residence | Non-Participating    | Scipio | 375227.58                          | 4738054.71 | 44:14   | 44  | 6:33  | 393   |
| 473                  | Year-Round Residence | Non-Participating    | Scipio | 375456.64                          | 4738084.92 | 22:55   | 34  | 3:41  | 221   |
| 474                  | Year-Round Residence | Non-Participating    | Scipio | 375852.74                          | 4737710.15 | 21:10   | 26  | 4:16  | 256   |
| 476                  | Year-Round Residence | Non-Participating    | Scipio | 376236.43                          | 4738096.80 | 0:00  | 0   | 0:00  | 0   |
| 480                  | Year-Round Residence | Non-Participating    | Scipio | 374967.87                          | 4737620.62 | 168:01  | 76  | 37:32   | 2252  |
| 481                  | Year-Round Residence | Non-Participating    | Scipio | 374974.48                          | 4737549.55 | 243:42  | 76  | 56:51   | 3411  |
| 482                  | Year-Round Residence | Non-Participating    | Scipio | 374925.84                          | 4737438.08 | 303:10  | 122   | 64:52   | 3892  |
| 483                  | Year-Round Residence | Non-Participating    | Scipio | 375007.87                          | 4736728.17 | 131:27  | 86  | 24:31   | 1471  |
| 484                  | Year-Round Residence | Non-Participating    | Scipio | 374939.22                          | 4736669.29 | 191:31  | 106   | 39:57   | 2397  |
| 488                  | Year-Round Residence | Non-Participating    | Scipio | 375742.09                          | 4736623.57 | 74:52   | 32  | 17:08   | 1028  |
| 489                  | Year-Round Residence | Non-Participating    | Scipio | 376655.28                          | 4736709.73 | 36:15   | 29  | 6:30  | 390   |
| 490                  | Year-Round Residence | Non-Participating    | Scipio | 376574.74                          | 4736803.76 | 14:01   | 26  | 3:43  | 223   |
| 491                  | Year-Round Residence | Non-Participating    | Scipio | 376392.38                          | 4736765.18 | 17:40   | 31  | 5:13  | 313   |
| 492                  | Year-Round Residence | Non-Participating    | Scipio | 376776.58                          | 4736852.19 | 15:03   | 24  | 1:55  | 115   |
| 493                  | Year-Round Residence | Non-Participating    | Scipio | 377049.15                          | 4736677.36 | 0:00  | 0   | 0:00  | 0   |
| 495                  | Year-Round Residence | Non-Participating    | Scipio | 375031.21                          | 4735612.39 | 191:23  | 82  | 42:32   | 2552  |
| 496                  | Year-Round Residence | Non-Participating    | Scipio | 376146.86                          | 4735647.17 | 144:27  | 72  | 37:33   | 2253  |
| 500                  | Year-Round Residence | Non-Participating    | Scipio | 376915.88                          | 4735627.65 | 23:06   | 27  | 5:47  | 347   |
| 501                  | Year-Round Residence | Non-Participating    | Scipio | 376544.86                          | 4735620.45 | 88:20   | 41  | 20:47   | 1247  |
| 502                  | Year-Round Residence | Non-Participating    | Scipio | 377046.68                          | 4735638.14 | 11:02   | 25  | 3:12  | 192   |
| 503                  | Year-Round Residence | Non-Participating    | Scipio | 377399.08                          | 4735755.26 | 0:00  | 0   | 0:00  | 0   |
| 504                  | Year-Round Residence | Non-Participating    | Scipio | 377807.23                          | 4735447.82 | 65:33   | 48  | 9:22  | 562   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 505                  | Year-Round Residence | Non-Participating    | Scipio  | 377791.24                          | 4735544.38 | 57:37   | 47  | 7:56  | 476   |
| 506                  | Year-Round Residence | Non-Participating    | Scipio  | 377928.65                          | 4735032.12 | 38:17   | 47  | 9:37  | 577   |
| 507                  | Year-Round Residence | Non-Participating    | Scipio  | 376657.73                          | 4734976.08 | 83:11   | 84  | 22:21   | 1341  |
| 511                  | Year-Round Residence | Non-Participating    | Venice  | 377390.89                          | 4734710.21 | 0:00  | 0   | 0:00  | 0   |
| 512                  | Year-Round Residence | Non-Participating    | Venice  | 377672.03                          | 4734708.57 | 7:18  | 24  | 2:29  | 149   |
| 513                  | Year-Round Residence | Non-Participating    | Venice  | 377662.14                          | 4734568.90 | 0:00  | 0   | 0:00  | 0   |
| 514                  | Year-Round Residence | Non-Participating    | Venice  | 377842.22                          | 4734505.58 | 0:00  | 0   | 0:00  | 0   |
| 515                  | Year-Round Residence | Non-Participating    | Venice  | 377718.11                          | 4734473.76 | 0:00  | 0   | 0:00  | 0   |
| 520                  | Year-Round Residence | Non-Participating    | Venice  | 378246.23                          | 4734106.95 | 62:59   | 49  | 8:39  | 519   |
| 521                  | Year-Round Residence | Non-Participating    | Venice  | 378460.52                          | 4734061.70 | 33:58   | 40  | 5:12  | 312   |
| 522                  | Year-Round Residence | Non-Participating    | Venice  | 378350.97                          | 4734011.81 | 45:35   | 46  | 7:00  | 420   |
| 524                  | Year-Round Residence | Non-Participating    | Venice  | 378599.67                          | 4733825.60 | 22:22   | 37  | 4:27  | 267   |
| 525                  | Year-Round Residence | Non-Participating    | Venice  | 378864.11                          | 4733616.76 | 14:23   | 29  | 3:35  | 215   |
| 526                  | Year-Round Residence | Non-Participating    | Venice  | 379169.12                          | 4733416.33 | 0:00  | 0   | 0:00  | 0   |
| 529                  | Year-Round Residence | Non-Participating    | Venice  | 379001.19                          | 4733197.89 | 12:22   | 25  | 3:52  | 232   |
| 530                  | Year-Round Residence | Non-Participating    | Venice  | 379130.93                          | 4733084.30 | 0:00  | 0   | 0:00  | 0   |
| 531                  | Year-Round Residence | Non-Participating    | Venice  | 379218.26                          | 4732840.73 | 0:00  | 0   | 0:00  | 0   |
| 532                  | Year-Round Residence | Non-Participating    | Venice  | 379327.75                          | 4732577.12 | 0:00  | 0   | 0:00  | 0   |
| 533                  | Year-Round Residence | Non-Participating    | Venice  | 379283.30                          | 4732667.32 | 0:00  | 0   | 0:00  | 0   |
| 534                  | Year-Round Residence | Non-Participating    | Venice  | 379403.04                          | 4732407.89 | 0:00  | 0   | 0:00  | 0   |
| 535                  | Year-Round Residence | Non-Participating    | Venice  | 379258.15                          | 4732468.73 | 0:00  | 0   | 0:00  | 0   |
| 536                  | Year-Round Residence | Non-Participating    | Venice  | 379094.69                          | 4732411.13 | 0:00  | 0   | 0:00  | 0   |
| 537                  | Year-Round Residence | Non-Participating    | Venice  | 379363.95                          | 4732280.39 | 0:00  | 0   | 0:00  | 0   |
| 538                  | Year-Round Residence | Non-Participating    | Venice  | 379480.39                          | 4732193.56 | 0:00  | 0   | 0:00  | 0   |
| 539                  | Year-Round Residence | Non-Participating    | Venice  | 379546.67                          | 4732144.37 | 0:00  | 0   | 0:00  | 0   |
| 540                  | Year-Round Residence | Non-Participating    | Venice  | 379419.37                          | 4732232.85 | 0:00  | 0   | 0:00  | 0   |
| 541                  | Year-Round Residence | Non-Participating    | Venice  | 379820.43                          | 4731962.69 | 0:00  | 0   | 0:00  | 0   |
| 542                  | Year-Round Residence | Non-Participating    | Venice  | 379695.95                          | 4732085.63 | 0:00  | 0   | 0:00  | 0   |
| 543                  | Year-Round Residence | Non-Participating    | Venice  | 379609.23                          | 4732090.52 | 0:00  | 0   | 0:00  | 0   |
| 544                  | Year-Round Residence | Non-Participating    | Venice  | 379945.84                          | 4731793.24 | 0:00  | 0   | 0:00  | 0   |
| 545                  | Year-Round Residence | Non-Participating    | Venice  | 379981.26                          | 4731686.87 | 0:00  | 0   | 0:00  | 0   |
| 546                  | Year-Round Residence | Non-Participating    | Moravia | 380117.58                          | 4731672.32 | 0:00  | 0   | 0:00  | 0   |
| 547                  | Year-Round Residence | Non-Participating    | Venice  | 380038.60                          | 4731625.49 | 0:00  | 0   | 0:00  | 0   |
| 548                  | Year-Round Residence | Non-Participating    | Moravia | 380253.21                          | 4731640.72 | 0:00  | 0   | 0:00  | 0   |
| 549                  | Year-Round Residence | Non-Participating    | Venice  | 380049.66                          | 4731556.63 | 0:00  | 0   | 0:00  | 0   |
| 550                  | Year-Round Residence | Non-Participating    | Moravia | 380327.64                          | 4731638.96 | 0:00  | 0   | 0:00  | 0   |
| 551                  | Year-Round Residence | Non-Participating    | Moravia | 380387.17                          | 4731622.60 | 0:00  | 0   | 0:00  | 0   |
| 552                  | Year-Round Residence | Non-Participating    | Moravia | 380517.73                          | 4731579.93 | 0:00  | 0   | 0:00  | 0   |
| 553                  | Year-Round Residence | Non-Participating    | Moravia | 380384.41                          | 4731512.45 | 0:00  | 0   | 0:00  | 0   |
| 557                  | Year-Round Residence | Non-Participating    | Venice  | 380052.09                          | 4731414.91 | 0:00  | 0   | 0:00  | 0   |
| 558                  | Year-Round Residence | Non-Participating    | Moravia | 380171.99                          | 4731107.26 | 0:00  | 0   | 0:00  | 0   |
| 559                  | Year-Round Residence | Non-Participating    | Venice  | 380051.70                          | 4731077.43 | 0:00  | 0   | 0:00  | 0   |
| 560                  | Year-Round Residence | Non-Participating    | Venice  | 380070.41                          | 4731133.11 | 0:00  | 0   | 0:00  | 0   |
| 563                  | Year-Round Residence | Non-Participating    | Moravia | 380148.32                          | 4730987.36 | 0:00  | 0   | 0:00  | 0   |
| 564                  | Year-Round Residence | Non-Participating    | Venice  | 380074.55                          | 4730966.22 | 0:00  | 0   | 0:00  | 0   |
| 565                  | Year-Round Residence | Non-Participating    | Venice  | 380050.06                          | 4730919.46 | 0:00  | 0   | 0:00  | 0   |
| 566                  | Year-Round Residence | Non-Participating    | Venice  | 380080.01                          | 4730850.60 | 0:00  | 0   | 0:00  | 0   |
| 567                  | Year-Round Residence | Non-Participating    | Moravia | 380139.31                          | 4730933.04 | 0:00  | 0   | 0:00  | 0   |
| 568                  | Year-Round Residence | Non-Participating    | Moravia | 380156.81                          | 4730878.23 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 569                  | Year-Round Residence | Non-Participating    | Venice | 379948.14                          | 4730792.05 | 0:00  | 0   | 0:00  | 0   |
| 570                  | Year-Round Residence | Non-Participating    | Venice | 380088.55                          | 4730725.12 | 0:00  | 0   | 0:00  | 0   |
| 571                  | Year-Round Residence | Non-Participating    | Venice | 380077.94                          | 4730779.08 | 0:00  | 0   | 0:00  | 0   |
| 572                  | Year-Round Residence | Non-Participating    | Venice | 380089.15                          | 4730505.34 | 0:00  | 0   | 0:00  | 0   |
| 574                  | Year-Round Residence | Non-Participating    | Venice | 376593.51                          | 4734161.61 | 42:31   | 53  | 8:48  | 528   |
| 575                  | Year-Round Residence | Non-Participating    | Venice | 376668.33                          | 4734190.36 | 40:03   | 40  | 8:03  | 483   |
| 577                  | Year-Round Residence | Non-Participating    | Venice | 376703.96                          | 4733873.22 | 40:02   | 33  | 9:58  | 598   |
| 578                  | Year-Round Residence | Non-Participating    | Venice | 376630.83                          | 4733511.46 | 39:35   | 35  | 11:34   | 694   |
| 582                  | Year-Round Residence | Non-Participating    | Venice | 376807.56                          | 4732982.80 | 46:31   | 41  | 6:12  | 372   |
| 583                  | Year-Round Residence | Non-Participating    | Venice | 376703.75                          | 4732897.46 | 61:30   | 47  | 8:20  | 500   |
| 584                  | Year-Round Residence | Non-Participating    | Venice | 377104.75                          | 4733021.03 | 15:29   | 29  | 2:14  | 134   |
| 585                  | Year-Round Residence | Non-Participating    | Venice | 377197.24                          | 4732976.44 | 11:30   | 26  | 1:51  | 111   |
| 586                  | Year-Round Residence | Non-Participating    | Venice | 377128.42                          | 4732912.35 | 13:28   | 29  | 2:18  | 138   |
| 588                  | Year-Round Residence | Non-Participating    | Venice | 377774.09                          | 4732879.92 | 0:00  | 0   | 0:00  | 0   |
| 589                  | Year-Round Residence | Non-Participating    | Venice | 377821.31                          | 4732791.11 | 0:00  | 0   | 0:00  | 0   |
| 590                  | Year-Round Residence | Non-Participating    | Venice | 377847.66                          | 4732858.86 | 0:00  | 0   | 0:00  | 0   |
| 591                  | Year-Round Residence | Non-Participating    | Venice | 377887.48                          | 4732849.86 | 0:00  | 0   | 0:00  | 0   |
| 592                  | Year-Round Residence | Non-Participating    | Venice | 377903.62                          | 4732762.58 | 0:00  | 0   | 0:00  | 0   |
| 593                  | Year-Round Residence | Non-Participating    | Venice | 377942.47                          | 4732752.01 | 0:00  | 0   | 0:00  | 0   |
| 594                  | Year-Round Residence | Non-Participating    | Venice | 377961.92                          | 4732858.30 | 0:00  | 0   | 0:00  | 0   |
| 595                  | Year-Round Residence | Non-Participating    | Venice | 378031.81                          | 4732844.29 | 0:00  | 0   | 0:00  | 0   |
| 596                  | Year-Round Residence | Non-Participating    | Venice | 378092.86                          | 4732816.17 | 0:00  | 0   | 0:00  | 0   |
| 597                  | Year-Round Residence | Non-Participating    | Venice | 378140.29                          | 4732840.04 | 0:00  | 0   | 0:00  | 0   |
| 598                  | Year-Round Residence | Non-Participating    | Venice | 378195.62                          | 4732811.70 | 0:00  | 0   | 0:00  | 0   |
| 601                  | Year-Round Residence | Non-Participating    | Venice | 378290.06                          | 4732938.80 | 0:00  | 0   | 0:00  | 0   |
| 604                  | Year-Round Residence | Non-Participating    | Venice | 378503.69                          | 4732549.76 | 0:00  | 0   | 0:00  | 0   |
| 605                  | Year-Round Residence | Non-Participating    | Venice | 378964.73                          | 4732608.41 | 0:00  | 0   | 0:00  | 0   |
| 608                  | Year-Round Residence | Non-Participating    | Venice | 377042.60                          | 4732736.57 | 16:57   | 34  | 3:12  | 192   |
| 609                  | Year-Round Residence | Non-Participating    | Venice | 377049.09                          | 4732673.75 | 24:12   | 34  | 4:11  | 251   |
| 610                  | Year-Round Residence | Non-Participating    | Venice | 377067.11                          | 4732036.69 | 101:34  | 65  | 24:28   | 1468  |
| 613                  | Year-Round Residence | Non-Participating    | Venice | 377082.27                          | 4731629.31 | 57:23   | 52  | 19:07   | 1147  |
| 615                  | Year-Round Residence | Non-Participating    | Venice | 377683.41                          | 4731648.39 | 13:39   | 28  | 4:06  | 246   |
| 618                  | Year-Round Residence | Non-Participating    | Venice | 378481.17                          | 4731753.74 | 0:00  | 0   | 0:00  | 0   |
| 620                  | Year-Round Residence | Non-Participating    | Venice | 379402.21                          | 4731828.34 | 0:00  | 0   | 0:00  | 0   |
| 621                  | Year-Round Residence | Non-Participating    | Venice | 379019.02                          | 4731232.57 | 0:00  | 0   | 0:00  | 0   |
| 622                  | Year-Round Residence | Non-Participating    | Venice | 379056.17                          | 4731120.91 | 0:00  | 0   | 0:00  | 0   |
| 623                  | Year-Round Residence | Non-Participating    | Venice | 379112.86                          | 4730897.01 | 0:00  | 0   | 0:00  | 0   |
| 626                  | Year-Round Residence | Non-Participating    | Venice | 379025.01                          | 4730721.60 | 0:00  | 0   | 0:00  | 0   |
| 627                  | Year-Round Residence | Non-Participating    | Venice | 379069.55                          | 4730120.77 | 0:00  | 0   | 0:00  | 0   |
| 628                  | Year-Round Residence | Non-Participating    | Venice | 379238.06                          | 4730068.39 | 0:00  | 0   | 0:00  | 0   |
| 629                  | Year-Round Residence | Non-Participating    | Venice | 379308.52                          | 4730145.22 | 0:00  | 0   | 0:00  | 0   |
| 630                  | Year-Round Residence | Non-Participating    | Venice | 379177.59                          | 4730063.69 | 0:00  | 0   | 0:00  | 0   |
| 635                  | Year-Round Residence | Non-Participating    | Venice | 377143.43                          | 4731488.18 | 9:10  | 22  | 2:46  | 166   |
| 636                  | Year-Round Residence | Non-Participating    | Venice | 377111.10                          | 4730900.97 | 0:00  | 0   | 0:00  | 0   |
| 638                  | Year-Round Residence | Non-Participating    | Venice | 377187.78                          | 4730473.68 | 0:00  | 0   | 0:00  | 0   |
| 639                  | Year-Round Residence | Non-Participating    | Venice | 377177.56                          | 4730583.35 | 0:00  | 0   | 0:00  | 0   |
| 645                  | Year-Round Residence | Non-Participating    | Venice | 377209.87                          | 4730089.36 | 0:00  | 0   | 0:00  | 0   |
| 648                  | Year-Round Residence | Non-Participating    | Venice | 378158.82                          | 4730088.50 | 0:00  | 0   | 0:00  | 0   |
| 651                  | Year-Round Residence | Non-Participating    | Venice | 378627.37                          | 4730467.53 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 652                  | Year-Round Residence | Non-Participating    | Venice | 378627.90                          | 4730413.63 | 0:00  | 0   | 0:00  | 0   |
| 653                  | Year-Round Residence | Non-Participating    | Venice | 378625.27                          | 4730355.69 | 0:00  | 0   | 0:00  | 0   |
| 654                  | Year-Round Residence | Non-Participating    | Venice | 378625.42                          | 4730281.78 | 0:00  | 0   | 0:00  | 0   |
| 655                  | Year-Round Residence | Non-Participating    | Venice | 378622.63                          | 4730187.39 | 0:00  | 0   | 0:00  | 0   |
| 656                  | Year-Round Residence | Non-Participating    | Venice | 378620.09                          | 4730134.07 | 0:00  | 0   | 0:00  | 0   |
| 657                  | Year-Round Residence | Non-Participating    | Venice | 378886.27                          | 4730123.94 | 0:00  | 0   | 0:00  | 0   |
| 658                  | Year-Round Residence | Non-Participating    | Venice | 378710.66                          | 4730010.22 | 0:00  | 0   | 0:00  | 0   |
| 659                  | Year-Round Residence | Non-Participating    | Venice | 378199.52                          | 4729189.92 | 0:00  | 0   | 0:00  | 0   |
| 664                  | Year-Round Residence | Non-Participating    | Venice | 377189.15                          | 4729884.45 | 0:00  | 0   | 0:00  | 0   |
| 670                  | Year-Round Residence | Non-Participating    | Venice | 377145.68                          | 4729609.03 | 0:00  | 0   | 0:00  | 0   |
| 671                  | Year-Round Residence | Non-Participating    | Venice | 377136.49                          | 4729219.93 | 0:00  | 0   | 0:00  | 0   |
| 672                  | Year-Round Residence | Non-Participating    | Scipio | 373751.33                          | 4740767.95 | 0:00  | 0   | 0:00  | 0   |
| 673                  | Year-Round Residence | Non-Participating    | Scipio | 373593.96                          | 4740365.45 | 0:00  | 0   | 0:00  | 0   |
| 674                  | Year-Round Residence | Non-Participating    | Scipio | 374002.17                          | 4739615.65 | 0:00  | 0   | 0:00  | 0   |
| 675                  | Year-Round Residence | Non-Participating    | Scipio | 373772.19                          | 4739547.63 | 0:00  | 0   | 0:00  | 0   |
| 676                  | Year-Round Residence | Non-Participating    | Scipio | 374237.87                          | 4739548.19 | 0:00  | 0   | 0:00  | 0   |
| 677                  | Year-Round Residence | Non-Participating    | Scipio | 374192.31                          | 4739616.21 | 0:00  | 0   | 0:00  | 0   |
| 679                  | Year-Round Residence | Non-Participating    | Scipio | 374559.59                          | 4739622.40 | 0:00  | 0   | 0:00  | 0   |
| 680                  | Year-Round Residence | Non-Participating    | Scipio | 374593.28                          | 4739619.01 | 0:00  | 0   | 0:00  | 0   |
| 682                  | Year-Round Residence | Non-Participating    | Scipio | 372382.31                          | 4740812.30 | 0:00  | 0   | 0:00  | 0   |
| 686                  | Year-Round Residence | Non-Participating    | Scipio | 372485.00                          | 4739857.00 | 0:00  | 0   | 0:00  | 0   |
| 690                  | Year-Round Residence | Non-Participating    | Scipio | 372583.11                          | 4739578.92 | 0:00  | 0   | 0:00  | 0   |
| 691                  | Year-Round Residence | Non-Participating    | Scipio | 372375.07                          | 4739560.78 | 0:00  | 0   | 0:00  | 0   |
| 692                  | Year-Round Residence | Non-Participating    | Scipio | 372416.23                          | 4739551.40 | 0:00  | 0   | 0:00  | 0   |
| 696                  | Year-Round Residence | Non-Participating    | Scipio | 373521.24                          | 4739591.61 | 0:00  | 0   | 0:00  | 0   |
| 697                  | Year-Round Residence | Non-Participating    | Scipio | 373478.20                          | 4739592.76 | 0:00  | 0   | 0:00  | 0   |
| 704                  | Year-Round Residence | Non-Participating    | Scipio | 372493.88                          | 4739258.69 | 0:00  | 0   | 0:00  | 0   |
| 706                  | Year-Round Residence | Non-Participating    | Scipio | 372428.89                          | 4739083.59 | 0:00  | 0   | 0:00  | 0   |
| 707                  | Year-Round Residence | Non-Participating    | Scipio | 372523.75                          | 4738792.38 | 0:00  | 0   | 0:00  | 0   |
| 712                  | Year-Round Residence | Non-Participating    | Scipio | 372511.71                          | 4738311.56 | 0:00  | 0   | 0:00  | 0   |
| 713                  | Year-Round Residence | Non-Participating    | Scipio | 372513.14                          | 4738267.39 | 0:00  | 0   | 0:00  | 0   |
| 714                  | Year-Round Residence | Non-Participating    | Scipio | 372515.61                          | 4738212.16 | 0:00  | 0   | 0:00  | 0   |
| 715                  | Year-Round Residence | Non-Participating    | Scipio | 372516.13                          | 4738186.32 | 0:00  | 0   | 0:00  | 0   |
| 716                  | Year-Round Residence | Non-Participating    | Scipio | 372511.99                          | 4738126.20 | 0:00  | 0   | 0:00  | 0   |
| 719                  | Year-Round Residence | Non-Participating    | Scipio | 372431.11                          | 4738039.69 | 0:00  | 0   | 0:00  | 0   |
| 723                  | Year-Round Residence | Non-Participating    | Scipio | 372450.31                          | 4737940.26 | 0:00  | 0   | 0:00  | 0   |
| 724                  | Year-Round Residence | Non-Participating    | Scipio | 372469.28                          | 4737922.09 | 0:00  | 0   | 0:00  | 0   |
| 725                  | Year-Round Residence | Non-Participating    | Scipio | 372578.41                          | 4737936.85 | 0:00  | 0   | 0:00  | 0   |
| 726                  | Year-Round Residence | Non-Participating    | Scipio | 372520.46                          | 4737989.60 | 0:00  | 0   | 0:00  | 0   |
| 727                  | Year-Round Residence | Non-Participating    | Scipio | 372634.62                          | 4737938.55 | 0:00  | 0   | 0:00  | 0   |
| 728                  | Year-Round Residence | Non-Participating    | Scipio | 372612.28                          | 4737937.47 | 0:00  | 0   | 0:00  | 0   |
| 729                  | Year-Round Residence | Non-Participating    | Scipio | 372639.18                          | 4737994.15 | 0:00  | 0   | 0:00  | 0   |
| 733                  | Year-Round Residence | Non-Participating    | Scipio | 372686.52                          | 4737991.00 | 0:00  | 0   | 0:00  | 0   |
| 734                  | Year-Round Residence | Non-Participating    | Scipio | 372677.87                          | 4737930.72 | 0:00  | 0   | 0:00  | 0   |
| 735                  | Year-Round Residence | Non-Participating    | Scipio | 372721.40                          | 4737938.18 | 0:00  | 0   | 0:00  | 0   |
| 736                  | Year-Round Residence | Non-Participating    | Scipio | 372760.56                          | 4737993.37 | 0:00  | 0   | 0:00  | 0   |
| 737                  | Year-Round Residence | Non-Participating    | Scipio | 372830.88                          | 4737998.57 | 0:00  | 0   | 0:00  | 0   |
| 739                  | Year-Round Residence | Non-Participating    | Scipio | 372838.18                          | 4737933.23 | 0:00  | 0   | 0:00  | 0   |
| 741                  | Year-Round Residence | Non-Participating    | Scipio | 372914.97                          | 4737988.72 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 742                  | Year-Round Residence | Non-Participating    | Scipio | 372889.15                          | 4737936.03 | 0:00  | 0   | 0:00  | 0   |
| 743                  | Year-Round Residence | Non-Participating    | Scipio | 372999.13                          | 4737942.75 | 0:00  | 0   | 0:00  | 0   |
| 744                  | Year-Round Residence | Non-Participating    | Scipio | 373055.90                          | 4737934.41 | 0:00  | 0   | 0:00  | 0   |
| 745                  | Year-Round Residence | Non-Participating    | Scipio | 373103.70                          | 4737941.79 | 8:00  | 23  | 1:52  | 112   |
| 747                  | Year-Round Residence | Non-Participating    | Scipio | 373305.95                          | 4737947.52 | 22:36   | 26  | 4:47  | 287   |
| 749                  | Year-Round Residence | Non-Participating    | Scipio | 373354.28                          | 4738009.81 | 28:26   | 27  | 5:49  | 349   |
| 753                  | Year-Round Residence | Non-Participating    | Scipio | 373808.43                          | 4737955.68 | 36:28   | 44  | 8:11  | 491   |
| 758                  | Year-Round Residence | Non-Participating    | Scipio | 374175.98                          | 4738031.44 | 85:40   | 69  | 15:59   | 959   |
| 760                  | Year-Round Residence | Non-Participating    | Scipio | 374440.94                          | 4738036.46 | 21:45   | 47  | 3:38  | 218   |
| 763                  | Year-Round Residence | Non-Participating    | Scipio | 372458.81                          | 4737892.80 | 0:00  | 0   | 0:00  | 0   |
| 764                  | Year-Round Residence | Non-Participating    | Scipio | 372520.83                          | 4737814.92 | 0:00  | 0   | 0:00  | 0   |
| 765                  | Year-Round Residence | Non-Participating    | Scipio | 372465.00                          | 4737846.83 | 0:00  | 0   | 0:00  | 0   |
| 769                  | Year-Round Residence | Non-Participating    | Scipio | 372476.22                          | 4737763.30 | 0:00  | 0   | 0:00  | 0   |
| 770                  | Year-Round Residence | Non-Participating    | Scipio | 372473.50                          | 4737712.43 | 0:00  | 0   | 0:00  | 0   |
| 771                  | Year-Round Residence | Non-Participating    | Scipio | 372527.93                          | 4737734.99 | 0:00  | 0   | 0:00  | 0   |
| 773                  | Year-Round Residence | Non-Participating    | Scipio | 372478.65                          | 4737599.25 | 18:25   | 30  | 3:09  | 189   |
| 774                  | Year-Round Residence | Non-Participating    | Scipio | 372480.04                          | 4737556.02 | 28:11   | 35  | 4:57  | 297   |
| 775                  | Year-Round Residence | Non-Participating    | Scipio | 372435.83                          | 4737561.25 | 31:07   | 35  | 5:30  | 330   |
| 777                  | Year-Round Residence | Non-Participating    | Scipio | 372483.31                          | 4737507.24 | 37:48   | 37  | 6:45  | 405   |
| 779                  | Year-Round Residence | Non-Participating    | Scipio | 372560.91                          | 4736967.97 | 115:44  | 80  | 22:42   | 1362  |
| 780                  | Year-Round Residence | Non-Participating    | Scipio | 372548.55                          | 4737140.96 | 110:24  | 77  | 19:50   | 1190  |
| 785                  | Year-Round Residence | Non-Participating    | Scipio | 372497.81                          | 4736650.08 | 139:15  | 62  | 35:02   | 2102  |
| 786                  | Year-Round Residence | Non-Participating    | Scipio | 372554.51                          | 4736551.55 | 131:08  | 57  | 35:20   | 2120  |
| 787                  | Year-Round Residence | Non-Participating    | Scipio | 372574.58                          | 4736372.75 | 104:07  | 54  | 32:43   | 1963  |
| 788                  | Year-Round Residence | Non-Participating    | Scipio | 372506.73                          | 4736207.67 | 24:56   | 36  | 6:18  | 378   |
| 789                  | Year-Round Residence | Non-Participating    | Scipio | 372538.19                          | 4735839.04 | 0:00  | 0   | 0:00  | 0   |
| 790                  | Year-Round Residence | Non-Participating    | Scipio | 373185.29                          | 4735915.59 | 9:24  | 14  | 3:14  | 194   |
| 791                  | Year-Round Residence | Non-Participating    | Scipio | 373074.74                          | 4735843.27 | 0:00  | 0   | 0:00  | 0   |
| 792                  | Year-Round Residence | Non-Participating    | Scipio | 373337.00                          | 4735832.49 | 10:25   | 25  | 2:40  | 160   |
| 793                  | Year-Round Residence | Non-Participating    | Scipio | 373684.57                          | 4735938.55 | 47:08   | 33  | 10:15   | 615   |
| 794                  | Year-Round Residence | Non-Participating    | Scipio | 373951.61                          | 4737236.92 | 119:17  | 55  | 24:40   | 1480  |
| 795                  | Year-Round Residence | Non-Participating    | Scipio | 373910.82                          | 4737146.69 | 142:19  | 52  | 30:36   | 1836  |
| 796                  | Year-Round Residence | Non-Participating    | Scipio | 374221.46                          | 4735486.15 | 98:32   | 58  | 21:43   | 1303  |
| 797                  | Year-Round Residence | Non-Participating    | Scipio | 374168.89                          | 4735587.85 | 86:05   | 51  | 16:39   | 999   |
| 802                  | Year-Round Residence | Non-Participating    | Venice | 374907.98                          | 4733958.24 | 54:38   | 53  | 14:45   | 885   |
| 805                  | Year-Round Residence | Non-Participating    | Venice | 375026.12                          | 4733664.81 | 73:31   | 52  | 18:32   | 1112  |
| 806                  | Year-Round Residence | Non-Participating    | Venice | 375114.80                          | 4733552.03 | 60:46   | 56  | 15:59   | 959   |
| 807                  | Year-Round Residence | Non-Participating    | Venice | 375108.29                          | 4733619.37 | 97:38   | 60  | 25:17   | 1517  |
| 808                  | Year-Round Residence | Non-Participating    | Venice | 375053.87                          | 4733526.34 | 57:47   | 52  | 15:15   | 915   |
| 809                  | Year-Round Residence | Non-Participating    | Venice | 375165.68                          | 4733296.26 | 15:12   | 26  | 2:34  | 154   |
| 810                  | Year-Round Residence | Non-Participating    | Venice | 375111.95                          | 4733266.67 | 30:13   | 30  | 6:00  | 360   |
| 811                  | Year-Round Residence | Non-Participating    | Venice | 375129.95                          | 4733223.44 | 30:22   | 31  | 5:21  | 321   |
| 812                  | Year-Round Residence | Non-Participating    | Venice | 375216.01                          | 4733158.13 | 36:09   | 34  | 6:25  | 385   |
| 817                  | Year-Round Residence | Non-Participating    | Venice | 375266.84                          | 4732966.56 | 32:46   | 38  | 6:26  | 386   |
| 819                  | Year-Round Residence | Non-Participating    | Venice | 375368.69                          | 4733021.58 | 53:07   | 41  | 9:39  | 579   |
| 820                  | Year-Round Residence | Non-Participating    | Venice | 375401.74                          | 4732978.32 | 59:36   | 43  | 10:53   | 653   |
| 822                  | Year-Round Residence | Non-Participating    | Venice | 375183.00                          | 4732895.90 | 24:04   | 36  | 5:21  | 321   |
| 826                  | Year-Round Residence | Non-Participating    | Venice | 375925.93                          | 4733038.83 | 0:00  | 0   | 0:00  | 0   |
| 827                  | Year-Round Residence | Non-Participating    | Venice | 376207.34                          | 4732965.22 | 12:55   | 18  | 1:39  | 99  |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 829                  | Year-Round Residence | Non-Participating    | Venice | 375277.07                          | 4732794.35 | 51:58   | 41  | 9:39  | 579  |
| 830                  | Year-Round Residence | Non-Participating    | Venice | 375319.61                          | 4732852.63 | 49:55   | 42  | 9:17  | 557  |
| 831                  | Year-Round Residence | Non-Participating    | Venice | 375354.48                          | 4732772.84 | 75:30   | 51  | 14:26   | 866  |
| 835                  | Year-Round Residence | Non-Participating    | Venice | 375344.68                          | 4732619.86 | 69:33   | 54  | 14:16   | 856  |
| 839                  | Year-Round Residence | Non-Participating    | Venice | 375433.68                          | 4731653.44 | 142:53  | 96  | 37:53   | 2273   |
| 853                  | Year-Round Residence | Non-Participating    | Venice | 375705.30                          | 4730990.51 | 0:00  | 0   | 0:00  | 0  |
| 854                  | Year-Round Residence | Non-Participating    | Venice | 375779.95                          | 4730574.81 | 0:00  | 0   | 0:00  | 0  |
| 855                  | Year-Round Residence | Non-Participating    | Venice | 376137.98                          | 4730055.92 | 0:00  | 0   | 0:00  | 0  |
| 859                  | Year-Round Residence | Non-Participating    | Venice | 375827.90                          | 4729868.11 | 0:00  | 0   | 0:00  | 0  |
| 860                  | Year-Round Residence | Non-Participating    | Venice | 376084.55                          | 4729222.10 | 0:00  | 0   | 0:00  | 0  |
| 861                  | Year-Round Residence | Non-Participating    | Venice | 376139.57                          | 4728867.53 | 0:00  | 0   | 0:00  | 0  |
| 863                  | Year-Round Residence | Non-Participating    | Venice | 376187.16                          | 4728523.95 | 0:00  | 0   | 0:00  | 0  |
| 864                  | Year-Round Residence | Non-Participating    | Venice | 376134.79                          | 4728559.72 | 0:00  | 0   | 0:00  | 0  |
| 866                  | Year-Round Residence | Non-Participating    | Venice | 376094.75                          | 4728297.67 | 0:00  | 0   | 0:00  | 0  |
| 871                  | Year-Round Residence | Non-Participating    | Scipio | 372709.38                          | 4735422.95 | 20:33   | 28  | 3:33  | 213  |
| 872                  | Year-Round Residence | Non-Participating    | Scipio | 372709.18                          | 4735194.33 | 20:55   | 30  | 3:58  | 238  |
| 875                  | Year-Round Residence | Non-Participating    | Scipio | 372591.73                          | 4734882.41 | 18:10   | 29  | 4:03  | 243  |
| 876                  | Year-Round Residence | Non-Participating    | Venice | 373039.66                          | 4734776.69 | 37:47   | 47  | 9:09  | 549  |
| 877                  | Year-Round Residence | Non-Participating    | Venice | 372685.62                          | 4733910.32 | 27:02   | 33  | 6:47  | 407  |
| 879                  | Year-Round Residence | Non-Participating    | Venice | 372666.33                          | 4733845.43 | 17:51   | 33  | 4:31  | 271  |
| 880                  | Year-Round Residence | Non-Participating    | Venice | 372567.31                          | 4733537.57 | 17:44   | 31  | 4:31  | 271  |
| 885                  | Year-Round Residence | Non-Participating    | Venice | 372557.14                          | 4733289.33 | 34:46   | 30  | 9:05  | 545  |
| 886                  | Year-Round Residence | Non-Participating    | Venice | 372556.04                          | 4733242.62 | 34:03   | 30  | 8:55  | 535  |
| 887                  | Year-Round Residence | Non-Participating    | Venice | 372563.78                          | 4733208.31 | 29:50   | 30  | 7:49  | 469  |
| 888                  | Year-Round Residence | Non-Participating    | Venice | 372554.22                          | 4733180.93 | 25:41   | 30  | 6:44  | 404  |
| 890                  | Year-Round Residence | Non-Participating    | Venice | 372592.18                          | 4733112.54 | 6:20  | 18  | 1:37  | 97   |
| 891                  | Year-Round Residence | Non-Participating    | Venice | 372597.84                          | 4733085.32 | 0:00  | 0   | 0:00  | 0  |
| 892                  | Year-Round Residence | Non-Participating    | Venice | 372635.66                          | 4733138.84 | 7:10  | 19  | 1:50  | 110  |
| 893                  | Year-Round Residence | Non-Participating    | Venice | 372639.17                          | 4733091.16 | 0:00  | 0   | 0:00  | 0  |
| 894                  | Year-Round Residence | Non-Participating    | Venice | 372643.58                          | 4733067.49 | 0:00  | 0   | 0:00  | 0  |
| 895                  | Year-Round Residence | Non-Participating    | Venice | 372669.08                          | 4732993.39 | 0:00  | 0   | 0:00  | 0  |
| 898                  | Year-Round Residence | Non-Participating    | Venice | 372837.34                          | 4732902.14 | 0:00  | 0   | 0:00  | 0  |
| 900                  | Year-Round Residence | Non-Participating    | Venice | 373267.68                          | 4733011.05 | 19:12   | 26  | 3:17  | 197  |
| 901                  | Year-Round Residence | Non-Participating    | Venice | 373343.03                          | 4732903.87 | 27:49   | 29  | 4:54  | 294  |
| 906                  | Year-Round Residence | Non-Participating    | Venice | 373751.96                          | 4732983.28 | 0:00  | 0   | 0:00  | 0  |
| 908                  | Year-Round Residence | Non-Participating    | Venice | 374236.89                          | 4732939.33 | 24:51   | 32  | 4:19  | 259  |
| 909                  | Year-Round Residence | Non-Participating    | Venice | 374416.57                          | 4732998.69 | 0:00  | 0   | 0:00  | 0  |
| 910                  | Year-Round Residence | Non-Participating    | Venice | 374428.35                          | 4733016.38 | 0:00  | 0   | 0:00  | 0  |
| 911                  | Year-Round Residence | Non-Participating    | Venice | 374847.07                          | 4733033.74 | 22:45   | 26  | 6:16  | 376  |
| 916                  | Year-Round Residence | Non-Participating    | Venice | 372829.83                          | 4732213.83 | 0:00  | 0   | 0:00  | 0  |
| 917                  | Year-Round Residence | Non-Participating    | Venice | 372742.38                          | 4732221.63 | 0:00  | 0   | 0:00  | 0  |
| 918                  | Year-Round Residence | Non-Participating    | Venice | 372822.67                          | 4732087.60 | 0:00  | 0   | 0:00  | 0  |
| 919                  | Year-Round Residence | Non-Participating    | Venice | 372982.53                          | 4731811.62 | 12:37   | 26  | 3:07  | 187  |
| 922                  | Year-Round Residence | Non-Participating    | Venice | 373100.98                          | 4731704.26 | 18:36   | 28  | 4:46  | 286  |
| 923                  | Year-Round Residence | Non-Participating    | Venice | 373055.62                          | 4731591.88 | 61:29   | 41  | 14:13   | 853  |
| 924                  | Year-Round Residence | Non-Participating    | Venice | 373090.77                          | 4731580.96 | 60:02   | 40  | 14:09   | 849  |
| 930                  | Year-Round Residence | Non-Participating    | Venice | 373553.30                          | 4731613.11 | 0:00  | 0   | 0:00  | 0  |
| 931                  | Year-Round Residence | Non-Participating    | Venice | 373764.63                          | 4731618.96 | 25:34   | 26  | 6:43  | 403  |
| 932                  | Year-Round Residence | Non-Participating    | Venice | 373800.11                          | 4731540.05 | 19:17   | 25  | 5:03  | 303  |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 933                  | Year-Round Residence | Non-Participating    | Venice | 373961.25                          | 4731621.47 | 22:47   | 29  | 5:58  | 358   |
| 934                  | Year-Round Residence | Non-Participating    | Venice | 374117.12                          | 4731627.46 | 6:36  | 16  | 1:42  | 102   |
| 935                  | Year-Round Residence | Non-Participating    | Venice | 374326.19                          | 4731562.59 | 16:07   | 31  | 2:02  | 122   |
| 936                  | Year-Round Residence | Non-Participating    | Venice | 374660.72                          | 4731649.70 | 32:17   | 27  | 5:47  | 347   |
| 938                  | Year-Round Residence | Non-Participating    | Venice | 374712.92                          | 4731487.62 | 26:46   | 28  | 5:34  | 334   |
| 939                  | Year-Round Residence | Non-Participating    | Venice | 374996.64                          | 4731640.06 | 25:06   | 36  | 6:23  | 383   |
| 940                  | Year-Round Residence | Non-Participating    | Venice | 375030.96                          | 4731556.61 | 36:03   | 37  | 8:43  | 523   |
| 941                  | Year-Round Residence | Non-Participating    | Venice | 375080.37                          | 4731582.55 | 35:00   | 40  | 8:47  | 527   |
| 942                  | Year-Round Residence | Non-Participating    | Venice | 373065.32                          | 4731455.36 | 82:19   | 46  | 17:13   | 1033  |
| 944                  | Year-Round Residence | Non-Participating    | Venice | 373108.64                          | 4731276.61 | 53:04   | 53  | 12:16   | 736   |
| 945                  | Year-Round Residence | Non-Participating    | Venice | 372998.17                          | 4731232.32 | 37:32   | 47  | 9:16  | 556   |
| 946                  | Year-Round Residence | Non-Participating    | Venice | 373281.23                          | 4730707.63 | 0:00  | 0   | 0:00  | 0   |
| 949                  | Year-Round Residence | Non-Participating    | Venice | 373454.13                          | 4730339.13 | 0:00  | 0   | 0:00  | 0   |
| 950                  | Year-Round Residence | Non-Participating    | Venice | 373513.16                          | 4730245.92 | 0:00  | 0   | 0:00  | 0   |
| 951                  | Year-Round Residence | Non-Participating    | Venice | 375121.88                          | 4730855.12 | 4:10  | 15  | 1:05  | 65  |
| 958                  | Year-Round Residence | Non-Participating    | Venice | 373427.79                          | 4730045.06 | 0:00  | 0   | 0:00  | 0   |
| 959                  | Year-Round Residence | Non-Participating    | Venice | 373764.55                          | 4730062.23 | 0:00  | 0   | 0:00  | 0   |
| 960                  | Year-Round Residence | Non-Participating    | Venice | 373644.54                          | 4729935.02 | 0:00  | 0   | 0:00  | 0   |
| 961                  | Year-Round Residence | Non-Participating    | Venice | 373763.67                          | 4729799.06 | 0:00  | 0   | 0:00  | 0   |
| 962                  | Year-Round Residence | Non-Participating    | Venice | 373813.04                          | 4729475.92 | 0:00  | 0   | 0:00  | 0   |
| 966                  | Year-Round Residence | Non-Participating    | Venice | 374049.59                          | 4728848.78 | 0:00  | 0   | 0:00  | 0   |
| 967                  | Year-Round Residence | Non-Participating    | Venice | 374010.11                          | 4728714.02 | 0:00  | 0   | 0:00  | 0   |
| 973                  | Year-Round Residence | Non-Participating    | Venice | 374147.12                          | 4728456.35 | 0:00  | 0   | 0:00  | 0   |
| 975                  | Year-Round Residence | Non-Participating    | Venice | 374427.97                          | 4728254.59 | 0:00  | 0   | 0:00  | 0   |
| 976                  | Year-Round Residence | Non-Participating    | Venice | 374499.57                          | 4727588.59 | 0:00  | 0   | 0:00  | 0   |
| 977                  | Year-Round Residence | Non-Participating    | Venice | 374528.05                          | 4727540.76 | 0:00  | 0   | 0:00  | 0   |
| 978                  | Year-Round Residence | Non-Participating    | Venice | 374410.04                          | 4727545.45 | 0:00  | 0   | 0:00  | 0   |
| 979                  | Year-Round Residence | Non-Participating    | Venice | 374456.43                          | 4727447.51 | 0:00  | 0   | 0:00  | 0   |
| 985                  | Year-Round Residence | Non-Participating    | Venice | 374677.55                          | 4727550.41 | 0:00  | 0   | 0:00  | 0   |
| 986                  | Year-Round Residence | Non-Participating    | Venice | 374593.06                          | 4727546.59 | 0:00  | 0   | 0:00  | 0   |
| 987                  | Year-Round Residence | Non-Participating    | Venice | 374724.84                          | 4727671.09 | 0:00  | 0   | 0:00  | 0   |
| 989                  | Year-Round Residence | Non-Participating    | Scipio | 370635.99                          | 4740556.00 | 0:00  | 0   | 0:00  | 0   |
| 990                  | Year-Round Residence | Non-Participating    | Scipio | 370698.10                          | 4740558.67 | 0:00  | 0   | 0:00  | 0   |
| 991                  | Year-Round Residence | Non-Participating    | Scipio | 370628.23                          | 4740466.57 | 0:00  | 0   | 0:00  | 0   |
| 992                  | Year-Round Residence | Non-Participating    | Scipio | 370634.28                          | 4740209.25 | 0:00  | 0   | 0:00  | 0   |
| 994                  | Year-Round Residence | Non-Participating    | Scipio | 370578.79                          | 4739860.96 | 0:00  | 0   | 0:00  | 0   |
| 998                  | Year-Round Residence | Non-Participating    | Scipio | 370350.80                          | 4739781.42 | 0:00  | 0   | 0:00  | 0   |
| 999                  | Year-Round Residence | Non-Participating    | Scipio | 370198.64                          | 4739804.76 | 0:00  | 0   | 0:00  | 0   |
| 1000                 | Year-Round Residence | Non-Participating    | Scipio | 370071.45                          | 4739658.07 | 0:00  | 0   | 0:00  | 0   |
| 1001                 | Year-Round Residence | Non-Participating    | Scipio | 369882.41                          | 4739710.88 | 0:00  | 0   | 0:00  | 0   |
| 1002                 | Year-Round Residence | Non-Participating    | Scipio | 369531.59                          | 4739751.06 | 0:00  | 0   | 0:00  | 0   |
| 1004                 | Year-Round Residence | Non-Participating    | Scipio | 370522.33                          | 4739516.89 | 0:00  | 0   | 0:00  | 0   |
| 1005                 | Year-Round Residence | Non-Participating    | Scipio | 370528.91                          | 4739355.01 | 0:00  | 0   | 0:00  | 0   |
| 1006                 | Year-Round Residence | Non-Participating    | Scipio | 370517.17                          | 4739465.89 | 0:00  | 0   | 0:00  | 0   |
| 1007                 | Year-Round Residence | Non-Participating    | Scipio | 370821.72                          | 4739460.53 | 0:00  | 0   | 0:00  | 0   |
| 1009                 | Year-Round Residence | Non-Participating    | Scipio | 371354.10                          | 4739524.57 | 0:00  | 0   | 0:00  | 0   |
| 1010                 | Year-Round Residence | Non-Participating    | Scipio | 371862.43                          | 4739542.54 | 0:00  | 0   | 0:00  | 0   |
| 1011                 | Year-Round Residence | Non-Participating    | Scipio | 370523.87                          | 4739200.23 | 0:00  | 0   | 0:00  | 0   |
| 1012                 | Year-Round Residence | Non-Participating    | Scipio | 370541.50                          | 4739143.51 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1015                 | Year-Round Residence | Non-Participating    | Scipio | 370544.70                          | 4738981.30 | 0:00  | 0   | 0:00  | 0   |
| 1016                 | Year-Round Residence | Non-Participating    | Scipio | 370540.26                          | 4738900.02 | 0:00  | 0   | 0:00  | 0   |
| 1017                 | Year-Round Residence | Non-Participating    | Scipio | 370536.77                          | 4738798.84 | 0:00  | 0   | 0:00  | 0   |
| 1018                 | Year-Round Residence | Non-Participating    | Scipio | 370472.45                          | 4738704.63 | 0:00  | 0   | 0:00  | 0   |
| 1020                 | Year-Round Residence | Non-Participating    | Scipio | 370452.63                          | 4738107.00 | 0:00  | 0   | 0:00  | 0   |
| 1021                 | Year-Round Residence | Non-Participating    | Scipio | 370473.55                          | 4738175.43 | 0:00  | 0   | 0:00  | 0   |
| 1024                 | Year-Round Residence | Non-Participating    | Scipio | 370349.66                          | 4737924.26 | 0:00  | 0   | 0:00  | 0   |
| 1025                 | Year-Round Residence | Non-Participating    | Scipio | 370352.04                          | 4737853.18 | 0:00  | 0   | 0:00  | 0   |
| 1026                 | Year-Round Residence | Non-Participating    | Scipio | 370434.60                          | 4737917.10 | 0:00  | 0   | 0:00  | 0   |
| 1027                 | Year-Round Residence | Non-Participating    | Scipio | 370681.79                          | 4737939.76 | 0:00  | 0   | 0:00  | 0   |
| 1028                 | Year-Round Residence | Non-Participating    | Scipio | 370688.43                          | 4737855.88 | 0:00  | 0   | 0:00  | 0   |
| 1029                 | Year-Round Residence | Non-Participating    | Scipio | 370790.55                          | 4737930.56 | 0:00  | 0   | 0:00  | 0   |
| 1031                 | Year-Round Residence | Non-Participating    | Scipio | 371148.25                          | 4737953.00 | 0:00  | 0   | 0:00  | 0   |
| 1032                 | Year-Round Residence | Non-Participating    | Scipio | 371119.04                          | 4737893.65 | 0:00  | 0   | 0:00  | 0   |
| 1035                 | Year-Round Residence | Non-Participating    | Scipio | 371586.89                          | 4737971.67 | 0:00  | 0   | 0:00  | 0   |
| 1036                 | Year-Round Residence | Non-Participating    | Scipio | 371426.94                          | 4737962.80 | 0:00  | 0   | 0:00  | 0   |
| 1038                 | Year-Round Residence | Non-Participating    | Scipio | 372080.17                          | 4737926.23 | 0:00  | 0   | 0:00  | 0   |
| 1039                 | Year-Round Residence | Non-Participating    | Scipio | 372108.01                          | 4737927.29 | 0:00  | 0   | 0:00  | 0   |
| 1040                 | Year-Round Residence | Non-Participating    | Scipio | 372193.09                          | 4737927.02 | 0:00  | 0   | 0:00  | 0   |
| 1041                 | Year-Round Residence | Non-Participating    | Scipio | 372223.67                          | 4737890.14 | 0:00  | 0   | 0:00  | 0   |
| 1042                 | Year-Round Residence | Non-Participating    | Scipio | 372273.70                          | 4737934.69 | 0:00  | 0   | 0:00  | 0   |
| 1043                 | Year-Round Residence | Non-Participating    | Scipio | 372294.81                          | 4737938.87 | 0:00  | 0   | 0:00  | 0   |
| 1044                 | Year-Round Residence | Non-Participating    | Scipio | 372335.35                          | 4737938.96 | 0:00  | 0   | 0:00  | 0   |
| 1045                 | Year-Round Residence | Non-Participating    | Scipio | 372417.82                          | 4737940.46 | 0:00  | 0   | 0:00  | 0   |
| 1048                 | Year-Round Residence | Non-Participating    | Scipio | 370362.13                          | 4737411.30 | 0:00  | 0   | 0:00  | 0   |
| 1049                 | Year-Round Residence | Non-Participating    | Scipio | 370431.96                          | 4737296.15 | 0:00  | 0   | 0:00  | 0   |
| 1050                 | Year-Round Residence | Non-Participating    | Scipio | 370397.68                          | 4737235.04 | 0:00  | 0   | 0:00  | 0   |
| 1054                 | Year-Round Residence | Non-Participating    | Scipio | 370479.10                          | 4736941.43 | 0:00  | 0   | 0:00  | 0   |
| 1055                 | Year-Round Residence | Non-Participating    | Scipio | 370489.17                          | 4736866.29 | 7:54  | 23  | 1:56  | 116   |
| 1056                 | Year-Round Residence | Non-Participating    | Scipio | 370508.69                          | 4736803.33 | 8:08  | 23  | 2:02  | 122   |
| 1057                 | Year-Round Residence | Non-Participating    | Scipio | 370612.52                          | 4736211.42 | 13:08   | 25  | 3:21  | 201   |
| 1059                 | Year-Round Residence | Non-Participating    | Scipio | 370651.64                          | 4736150.12 | 16:17   | 26  | 4:15  | 255   |
| 1060                 | Year-Round Residence | Non-Participating    | Scipio | 370737.30                          | 4735824.12 | 0:00  | 0   | 0:00  | 0   |
| 1061                 | Year-Round Residence | Non-Participating    | Scipio | 370796.17                          | 4735753.47 | 0:00  | 0   | 0:00  | 0   |
| 1068                 | Year-Round Residence | Non-Participating    | Scipio | 370984.92                          | 4735784.99 | 0:00  | 0   | 0:00  | 0   |
| 1069                 | Year-Round Residence | Non-Participating    | Scipio | 370941.32                          | 4735776.20 | 0:00  | 0   | 0:00  | 0   |
| 1071                 | Year-Round Residence | Non-Participating    | Scipio | 371627.95                          | 4735862.12 | 0:00  | 0   | 0:00  | 0   |
| 1072                 | Year-Round Residence | Non-Participating    | Scipio | 371852.44                          | 4735915.93 | 0:00  | 0   | 0:00  | 0   |
| 1077                 | Year-Round Residence | Non-Participating    | Scipio | 372351.38                          | 4735665.18 | 0:00  | 0   | 0:00  | 0   |
| 1078                 | Year-Round Residence | Non-Participating    | Scipio | 370668.53                          | 4735769.92 | 0:00  | 0   | 0:00  | 0   |
| 1079                 | Year-Round Residence | Non-Participating    | Scipio | 370822.45                          | 4735679.32 | 0:00  | 0   | 0:00  | 0   |
| 1080                 | Year-Round Residence | Non-Participating    | Scipio | 370834.95                          | 4735677.92 | 0:00  | 0   | 0:00  | 0   |
| 1081                 | Year-Round Residence | Non-Participating    | Scipio | 370851.09                          | 4735668.58 | 0:00  | 0   | 0:00  | 0   |
| 1082                 | Year-Round Residence | Non-Participating    | Scipio | 370854.12                          | 4735658.91 | 0:00  | 0   | 0:00  | 0   |
| 1092                 | Year-Round Residence | Non-Participating    | Scipio | 370825.53                          | 4734806.52 | 0:00  | 0   | 0:00  | 0   |
| 1095                 | Year-Round Residence | Non-Participating    | Scipio | 371580.56                          | 4734816.77 | 0:00  | 0   | 0:00  | 0   |
| 1096                 | Year-Round Residence | Non-Participating    | Scipio | 371762.93                          | 4734798.49 | 0:00  | 0   | 0:00  | 0   |
| 1099                 | Year-Round Residence | Non-Participating    | Scipio | 371974.17                          | 4734843.08 | 14:11   | 26  | 2:51  | 171   |
| 1100                 | Year-Round Residence | Non-Participating    | Venice | 371821.36                          | 4734713.17 | 10:26   | 24  | 2:26  | 146   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1103                 | Year-Round Residence | Non-Participating    | Scipio | 372296.40                          | 4734835.13 | 48:08   | 33  | 9:25  | 565   |
| 1104                 | Year-Round Residence | Non-Participating    | Venice | 370896.40                          | 4734478.04 | 0:00  | 0   | 0:00  | 0   |
| 1107                 | Year-Round Residence | Non-Participating    | Venice | 370847.21                          | 4734272.15 | 0:00  | 0   | 0:00  | 0   |
| 1108                 | Year-Round Residence | Non-Participating    | Venice | 370879.40                          | 4733951.64 | 0:00  | 0   | 0:00  | 0   |
| 1113                 | Year-Round Residence | Non-Participating    | Venice | 370936.50                          | 4733488.98 | 0:00  | 0   | 0:00  | 0   |
| 1116                 | Year-Round Residence | Non-Participating    | Venice | 372285.65                          | 4732919.49 | 0:00  | 0   | 0:00  | 0   |
| 1117                 | Year-Round Residence | Non-Participating    | Venice | 372321.22                          | 4732954.31 | 0:00  | 0   | 0:00  | 0   |
| 1118                 | Year-Round Residence | Non-Participating    | Venice | 372300.82                          | 4733098.03 | 0:00  | 0   | 0:00  | 0   |
| 1119                 | Year-Round Residence | Non-Participating    | Venice | 372374.94                          | 4733070.73 | 19:10   | 25  | 5:01  | 301   |
| 1120                 | Year-Round Residence | Non-Participating    | Venice | 372336.95                          | 4733027.23 | 0:00  | 0   | 0:00  | 0   |
| 1121                 | Year-Round Residence | Non-Participating    | Venice | 372399.99                          | 4733070.26 | 17:28   | 25  | 4:34  | 274   |
| 1122                 | Year-Round Residence | Non-Participating    | Venice | 372252.76                          | 4732989.37 | 0:00  | 0   | 0:00  | 0   |
| 1123                 | Year-Round Residence | Non-Participating    | Venice | 372432.10                          | 4733070.22 | 14:55   | 24  | 3:53  | 233   |
| 1124                 | Year-Round Residence | Non-Participating    | Venice | 372452.08                          | 4733069.57 | 12:44   | 23  | 3:19  | 199   |
| 1125                 | Year-Round Residence | Non-Participating    | Venice | 372511.28                          | 4733087.61 | 10:30   | 21  | 2:43  | 163   |
| 1127                 | Year-Round Residence | Non-Participating    | Venice | 372589.81                          | 4733019.10 | 0:00  | 0   | 0:00  | 0   |
| 1128                 | Year-Round Residence | Non-Participating    | Venice | 372582.06                          | 4732927.73 | 0:00  | 0   | 0:00  | 0   |
| 1129                 | Year-Round Residence | Non-Participating    | Venice | 372542.30                          | 4732925.09 | 0:00  | 0   | 0:00  | 0   |
| 1133                 | Year-Round Residence | Non-Participating    | Venice | 371065.32                          | 4732364.50 | 0:00  | 0   | 0:00  | 0   |
| 1136                 | Year-Round Residence | Non-Participating    | Venice | 371144.54                          | 4732149.09 | 0:00  | 0   | 0:00  | 0   |
| 1152                 | Year-Round Residence | Non-Participating    | Venice | 370896.62                          | 4731944.72 | 0:00  | 0   | 0:00  | 0   |
| 1153                 | Year-Round Residence | Non-Participating    | Venice | 370742.82                          | 4731739.97 | 0:00  | 0   | 0:00  | 0   |
| 1154                 | Year-Round Residence | Non-Participating    | Venice | 370733.21                          | 4731153.71 | 0:00  | 0   | 0:00  | 0   |
| 1155                 | Year-Round Residence | Non-Participating    | Venice | 370677.56                          | 4731138.61 | 0:00  | 0   | 0:00  | 0   |
| 1156                 | Year-Round Residence | Non-Participating    | Venice | 371035.82                          | 4730909.73 | 0:00  | 0   | 0:00  | 0   |
| 1158                 | Year-Round Residence | Non-Participating    | Venice | 371261.41                          | 4731003.25 | 0:00  | 0   | 0:00  | 0   |
| 1159                 | Year-Round Residence | Non-Participating    | Venice | 371318.22                          | 4730914.77 | 0:00  | 0   | 0:00  | 0   |
| 1161                 | Year-Round Residence | Non-Participating    | Venice | 371581.43                          | 4731404.85 | 0:00  | 0   | 0:00  | 0   |
| 1162                 | Year-Round Residence | Non-Participating    | Venice | 371429.57                          | 4731581.17 | 0:00  | 0   | 0:00  | 0   |
| 1163                 | Year-Round Residence | Non-Participating    | Venice | 371407.66                          | 4731628.67 | 0:00  | 0   | 0:00  | 0   |
| 1164                 | Year-Round Residence | Non-Participating    | Venice | 372006.30                          | 4730073.93 | 0:00  | 0   | 0:00  | 0   |
| 1165                 | Year-Round Residence | Non-Participating    | Venice | 372058.30                          | 4729964.80 | 0:00  | 0   | 0:00  | 0   |
| 1167                 | Year-Round Residence | Non-Participating    | Venice | 372128.51                          | 4729716.48 | 0:00  | 0   | 0:00  | 0   |
| 1169                 | Year-Round Residence | Non-Participating    | Venice | 372319.27                          | 4729171.25 | 0:00  | 0   | 0:00  | 0   |
| 1170                 | Year-Round Residence | Non-Participating    | Venice | 372411.85                          | 4729072.80 | 0:00  | 0   | 0:00  | 0   |
| 1172                 | Year-Round Residence | Non-Participating    | Venice | 372384.80                          | 4728914.66 | 0:00  | 0   | 0:00  | 0   |
| 1173                 | Year-Round Residence | Non-Participating    | Venice | 372375.10                          | 4728866.30 | 0:00  | 0   | 0:00  | 0   |
| 1174                 | Year-Round Residence | Non-Participating    | Venice | 372580.64                          | 4728346.41 | 0:00  | 0   | 0:00  | 0   |
| 1176                 | Year-Round Residence | Non-Participating    | Venice | 372835.40                          | 4727842.73 | 0:00  | 0   | 0:00  | 0   |
| 1179                 | Year-Round Residence | Non-Participating    | Venice | 372780.48                          | 4727718.85 | 0:00  | 0   | 0:00  | 0   |
| 1181                 | Year-Round Residence | Non-Participating    | Venice | 373988.03                          | 4727567.69 | 0:00  | 0   | 0:00  | 0   |
| 1182                 | Year-Round Residence | Non-Participating    | Venice | 373846.44                          | 4727600.47 | 0:00  | 0   | 0:00  | 0   |
| 1183                 | Year-Round Residence | Non-Participating    | Venice | 373877.97                          | 4727507.40 | 0:00  | 0   | 0:00  | 0   |
| 1185                 | Year-Round Residence | Non-Participating    | Venice | 372892.74                          | 4730200.61 | 0:00  | 0   | 0:00  | 0   |
| 1188                 | Year-Round Residence | Non-Participating    | Scipio | 369085.70                          | 4738963.06 | 0:00  | 0   | 0:00  | 0   |
| 1189                 | Year-Round Residence | Non-Participating    | Scipio | 369147.02                          | 4738784.19 | 0:00  | 0   | 0:00  | 0   |
| 1190                 | Year-Round Residence | Non-Participating    | Scipio | 369194.56                          | 4738710.07 | 0:00  | 0   | 0:00  | 0   |
| 1191                 | Year-Round Residence | Non-Participating    | Scipio | 369201.58                          | 4738689.02 | 0:00  | 0   | 0:00  | 0   |
| 1192                 | Year-Round Residence | Non-Participating    | Scipio | 369290.09                          | 4738401.70 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1193                 | Year-Round Residence | Non-Participating    | Scipio | 369388.53                          | 4737969.73 | 0:00  | 0   | 0:00  | 0   |
| 1194                 | Year-Round Residence | Non-Participating    | Scipio | 369361.68                          | 4737873.93 | 0:00  | 0   | 0:00  | 0   |
| 1195                 | Year-Round Residence | Non-Participating    | Scipio | 369416.05                          | 4737868.77 | 0:00  | 0   | 0:00  | 0   |
| 1196                 | Year-Round Residence | Non-Participating    | Scipio | 370018.47                          | 4737909.32 | 0:00  | 0   | 0:00  | 0   |
| 1197                 | Year-Round Residence | Non-Participating    | Scipio | 369870.77                          | 4737835.68 | 0:00  | 0   | 0:00  | 0   |
| 1198                 | Year-Round Residence | Non-Participating    | Scipio | 369897.60                          | 4737887.84 | 0:00  | 0   | 0:00  | 0   |
| 1199                 | Year-Round Residence | Non-Participating    | Scipio | 370056.92                          | 4737846.17 | 0:00  | 0   | 0:00  | 0   |
| 1200                 | Year-Round Residence | Non-Participating    | Scipio | 370061.19                          | 4737900.28 | 0:00  | 0   | 0:00  | 0   |
| 1202                 | Year-Round Residence | Non-Participating    | Scipio | 370140.34                          | 4737839.63 | 0:00  | 0   | 0:00  | 0   |
| 1205                 | Year-Round Residence | Non-Participating    | Scipio | 369449.40                          | 4737790.37 | 0:00  | 0   | 0:00  | 0   |
| 1206                 | Year-Round Residence | Non-Participating    | Scipio | 369577.30                          | 4737144.02 | 0:00  | 0   | 0:00  | 0   |
| 1207                 | Year-Round Residence | Non-Participating    | Scipio | 369512.07                          | 4737207.79 | 0:00  | 0   | 0:00  | 0   |
| 1209                 | Year-Round Residence | Non-Participating    | Scipio | 369538.47                          | 4737068.15 | 0:00  | 0   | 0:00  | 0   |
| 1213                 | Year-Round Residence | Non-Participating    | Scipio | 369541.06                          | 4736695.86 | 0:00  | 0   | 0:00  | 0   |
| 1215                 | Year-Round Residence | Non-Participating    | Scipio | 369515.39                          | 4735798.02 | 0:00  | 0   | 0:00  | 0   |
| 1216                 | Year-Round Residence | Non-Participating    | Scipio | 369605.83                          | 4735790.39 | 0:00  | 0   | 0:00  | 0   |
| 1220                 | Year-Round Residence | Non-Participating    | Scipio | 370111.60                          | 4735941.57 | 0:00  | 0   | 0:00  | 0   |
| 1221                 | Year-Round Residence | Non-Participating    | Scipio | 370072.30                          | 4735808.85 | 0:00  | 0   | 0:00  | 0   |
| 1222                 | Year-Round Residence | Non-Participating    | Scipio | 370207.37                          | 4735830.85 | 0:00  | 0   | 0:00  | 0   |
| 1223                 | Year-Round Residence | Non-Participating    | Scipio | 370320.12                          | 4735811.98 | 0:00  | 0   | 0:00  | 0   |
| 1224                 | Year-Round Residence | Non-Participating    | Scipio | 370372.61                          | 4735834.63 | 0:00  | 0   | 0:00  | 0   |
| 1225                 | Year-Round Residence | Non-Participating    | Scipio | 370481.01                          | 4735870.90 | 0:00  | 0   | 0:00  | 0   |
| 1226                 | Year-Round Residence | Non-Participating    | Scipio | 370615.10                          | 4735822.96 | 0:00  | 0   | 0:00  | 0   |
| 1227                 | Year-Round Residence | Non-Participating    | Scipio | 370524.14                          | 4735822.94 | 0:00  | 0   | 0:00  | 0   |
| 1228                 | Year-Round Residence | Non-Participating    | Scipio | 370562.34                          | 4735746.58 | 0:00  | 0   | 0:00  | 0   |
| 1229                 | Year-Round Residence | Non-Participating    | Scipio | 370476.78                          | 4735850.84 | 0:00  | 0   | 0:00  | 0   |
| 1230                 | Year-Round Residence | Non-Participating    | Scipio | 369194.35                          | 4735646.67 | 0:00  | 0   | 0:00  | 0   |
| 1231                 | Year-Round Residence | Non-Participating    | Scipio | 368616.98                          | 4735594.86 | 0:00  | 0   | 0:00  | 0   |
| 1232                 | Year-Round Residence | Non-Participating    | Scipio | 369540.78                          | 4735285.06 | 0:00  | 0   | 0:00  | 0   |
| 1233                 | Year-Round Residence | Non-Participating    | Scipio | 369619.47                          | 4735310.17 | 0:00  | 0   | 0:00  | 0   |
| 1234                 | Year-Round Residence | Non-Participating    | Scipio | 369627.39                          | 4735256.20 | 0:00  | 0   | 0:00  | 0   |
| 1235                 | Year-Round Residence | Non-Participating    | Scipio | 369562.65                          | 4735161.54 | 0:00  | 0   | 0:00  | 0   |
| 1237                 | Year-Round Residence | Non-Participating    | Venice | 369329.74                          | 4734679.28 | 0:00  | 0   | 0:00  | 0   |
| 1238                 | Year-Round Residence | Non-Participating    | Venice | 369261.99                          | 4734679.19 | 0:00  | 0   | 0:00  | 0   |
| 1239                 | Year-Round Residence | Non-Participating    | Scipio | 369176.77                          | 4734764.54 | 0:00  | 0   | 0:00  | 0   |
| 1241                 | Year-Round Residence | Non-Participating    | Venice | 369680.97                          | 4734672.69 | 0:00  | 0   | 0:00  | 0   |
| 1244                 | Year-Round Residence | Non-Participating    | Venice | 369955.51                          | 4734697.47 | 0:00  | 0   | 0:00  | 0   |
| 1245                 | Year-Round Residence | Non-Participating    | Venice | 370024.77                          | 4734695.73 | 0:00  | 0   | 0:00  | 0   |
| 1246                 | Year-Round Residence | Non-Participating    | Venice | 369689.97                          | 4733097.85 | 0:00  | 0   | 0:00  | 0   |
| 1251                 | Year-Round Residence | Non-Participating    | Venice | 370185.96                          | 4733133.42 | 0:00  | 0   | 0:00  | 0   |
| 1252                 | Year-Round Residence | Non-Participating    | Venice | 370211.86                          | 4733139.87 | 0:00  | 0   | 0:00  | 0   |
| 1256                 | Year-Round Residence | Non-Participating    | Venice | 370704.31                          | 4733121.91 | 0:00  | 0   | 0:00  | 0   |
| 1258                 | Year-Round Residence | Non-Participating    | Venice | 370436.72                          | 4730647.22 | 0:00  | 0   | 0:00  | 0   |
| 1259                 | Year-Round Residence | Non-Participating    | Venice | 370360.49                          | 4730618.02 | 0:00  | 0   | 0:00  | 0   |
| 1260                 | Year-Round Residence | Non-Participating    | Venice | 370191.83                          | 4729899.20 | 0:00  | 0   | 0:00  | 0   |
| 1261                 | Year-Round Residence | Non-Participating    | Venice | 370318.89                          | 4729913.51 | 0:00  | 0   | 0:00  | 0   |
| 1263                 | Year-Round Residence | Non-Participating    | Venice | 370439.71                          | 4729850.72 | 0:00  | 0   | 0:00  | 0   |
| 1264                 | Year-Round Residence | Non-Participating    | Venice | 370755.62                          | 4729928.49 | 0:00  | 0   | 0:00  | 0   |
| 1265                 | Year-Round Residence | Non-Participating    | Venice | 371028.92                          | 4729857.94 | 0:00  | 0   | 0:00  | 0   |

Table B-3.a: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type               | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1266  | Year-Round Residence        | Non-Participating        | Venice        | 371372.61                          | 4729984.93        | 0:00  | 0   | 0:00  | 0   |
| 1267  | Year-Round Residence        | Non-Participating        | Venice        | 371877.86                          | 4729899.42        | 0:00  | 0   | 0:00  | 0   |
| 1268  | Year-Round Residence        | Non-Participating        | Venice        | 371437.77                          | 4728155.22        | 0:00  | 0   | 0:00  | 0   |
| 1269  | Year-Round Residence        | Non-Participating        | Venice        | 371374.62                          | 4728198.61        | 0:00  | 0   | 0:00  | 0   |
| 1272  | Year-Round Residence        | Non-Participating        | Venice        | 371716.71                          | 4728190.43        | 0:00  | 0   | 0:00  | 0   |
| 1273  | Year-Round Residence        | Non-Participating        | Venice        | 371955.34                          | 4727968.40        | 0:00  | 0   | 0:00  | 0   |
| 1274  | Year-Round Residence        | Non-Participating        | Venice        | 372687.17                          | 4727898.00        | 0:00  | 0   | 0:00  | 0   |
| 1277  | Year-Round Residence        | Non-Participating        | Scipio        | 369164.96                          | 4737764.67        | 0:00  | 0   | 0:00  | 0   |
| 1278  | Year-Round Residence        | Non-Participating        | Scipio        | 369025.74                          | 4737884.46        | 0:00  | 0   | 0:00  | 0   |
| 1279  | Year-Round Residence        | Non-Participating        | Scipio        | 368880.82                          | 4737805.28        | 0:00  | 0   | 0:00  | 0   |
| 1280  | Year-Round Residence        | Non-Participating        | Scipio        | 368738.72                          | 4737827.60        | 0:00  | 0   | 0:00  | 0   |
| 1282  | Year-Round Residence        | Non-Participating        | Scipio        | 368761.86                          | 4737884.60        | 0:00  | 0   | 0:00  | 0   |
| 1285  | Year-Round Residence        | Non-Participating        | Scipio        | 368620.63                          | 4737869.95        | 0:00  | 0   | 0:00  | 0   |
| 1286  | Year-Round Residence        | Non-Participating        | Moravia       | 380154.73                          | 4732486.54        | 0:00  | 0   | 0:00  | 0   |
| 1291  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.68                          | 4734999.45        | 0:00  | 0   | 0:00  | 0   |
| 1293  | Year-Round Residence        | Non-Participating        | Venice        | 374464.99                          | 4727707.51        | 0:00  | 0   | 0:00  | 0   |
| 1294  | Year-Round Residence        | Non-Participating        | Venice        | 373691.57                          | 4730045.59        | 0:00  | 0   | 0:00  | 0   |
| 1295  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.97                          | 4731539.77        | 0:00  | 0   | 0:00  | 0   |
| 1296  | Year-Round Residence        | Non-Participating        | Venice        | 375629.01                          | 4731140.04        | 0:00  | 0   | 0:00  | 0   |
| 1297  | Year-Round Residence        | Non-Participating        | Venice        | 379246.62                          | 4732319.99        | 0:00  | 0   | 0:00  | 0   |
| 1298  | Year-Round Residence        | Non-Participating        | Venice        | 378386.72                          | 4732826.33        | 0:00  | 0   | 0:00  | 0   |
| 1299  | Year-Round Residence        | Non-Participating        | Venice        | 377786.82                          | 4732785.06        | 0:00  | 0   | 0:00  | 0   |
| 1300  | Year-Round Residence        | Non-Participating        | Scipio        | 377751.67                          | 4736256.75        | 0:00  | 0   | 0:00  | 0   |
| 1301  | Seasonal Residence          | Non-Participating        | Scipio        | 377097.07                          | 4738891.37        | 0:00  | 0   | 0:00  | 0   |
| 1302  | Year-Round Residence        | Non-Participating        | Scipio        | 376618.19                          | 4738159.86        | 0:00  | 0   | 0:00  | 0   |
| 1303  | Seasonal Residence          | Non-Participating        | Venice        | 379532.17                          | 4734569.54        | 0:00  | 0   | 0:00  | 0   |
| 1304  | Year-Round Residence        | Non-Participating        | Scipio        | 376201.96                          | 4738976.16        | 0:00  | 0   | 0:00  | 0   |
| 1309  | Seasonal Residence          | Non-Participating        | Scipio        | 377090.59                          | 4738950.65        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors |                             |                          |               |                                    |                   |   |   |   |   |
| <b>482</b>  | <b>Year-Round Residence</b> | <b>Non-Participating</b> | <b>Scipio</b> | <b>374925.84</b>                   | <b>4737438.08</b> | <b>303:10</b>   | <b>122</b>  | <b>64:52</b>  | <b>3892</b>   |
| <b>1309</b>   | <b>Seasonal Residence</b>   | <b>Non-Participating</b> | <b>Scipio</b> | <b>377090.59</b>                   | <b>4738950.65</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 482                  | Year-Round Residence | Non-Participating    | Scipio | 374925.84                          | 4737438.08 | 303:10  | 122   | 64:52   | 3892  |
| 481                  | Year-Round Residence | Non-Participating    | Scipio | 374974.48                          | 4737549.55 | 243:42  | 76  | 56:51   | 3411  |
| 495                  | Year-Round Residence | Non-Participating    | Scipio | 375031.21                          | 4735612.39 | 191:23  | 82  | 42:32   | 2552  |
| 484                  | Year-Round Residence | Non-Participating    | Scipio | 374939.22                          | 4736669.29 | 191:31  | 106   | 39:57   | 2397  |
| 839                  | Year-Round Residence | Non-Participating    | Venice | 375433.68                          | 4731653.44 | 142:53  | 96  | 37:53   | 2273  |
| 496                  | Year-Round Residence | Non-Participating    | Scipio | 376146.86                          | 4735647.17 | 144:27  | 72  | 37:33   | 2253  |
| 480                  | Year-Round Residence | Non-Participating    | Scipio | 374967.87                          | 4737620.62 | 168:01  | 76  | 37:32   | 2252  |
| 786                  | Year-Round Residence | Non-Participating    | Scipio | 372554.51                          | 4736551.55 | 131:08  | 57  | 35:20   | 2120  |
| 785                  | Year-Round Residence | Non-Participating    | Scipio | 372497.81                          | 4736650.08 | 139:15  | 62  | 35:02   | 2102  |
| 787                  | Year-Round Residence | Non-Participating    | Scipio | 372574.58                          | 4736372.75 | 104:07  | 54  | 32:43   | 1963  |
| 795                  | Year-Round Residence | Non-Participating    | Scipio | 373910.82                          | 4737146.69 | 142:19  | 52  | 30:36   | 1836  |
| 807                  | Year-Round Residence | Non-Participating    | Venice | 375108.29                          | 4733619.37 | 97:38   | 60  | 25:17   | 1517  |
| 794                  | Year-Round Residence | Non-Participating    | Scipio | 373951.61                          | 4737236.92 | 119:17  | 55  | 24:40   | 1480  |
| 483                  | Year-Round Residence | Non-Participating    | Scipio | 375007.87                          | 4736728.17 | 131:27  | 86  | 24:31   | 1471  |
| 610                  | Year-Round Residence | Non-Participating    | Venice | 377067.11                          | 4732036.69 | 101:34  | 65  | 24:28   | 1468  |
| 779                  | Year-Round Residence | Non-Participating    | Scipio | 372560.91                          | 4736967.97 | 115:44  | 80  | 22:42   | 1362  |
| 507                  | Year-Round Residence | Non-Participating    | Scipio | 376657.73                          | 4734976.08 | 83:11   | 84  | 22:21   | 1341  |
| 796                  | Year-Round Residence | Non-Participating    | Scipio | 374221.46                          | 4735486.15 | 98:32   | 58  | 21:43   | 1303  |
| 501                  | Year-Round Residence | Non-Participating    | Scipio | 376544.86                          | 4735620.45 | 88:20   | 41  | 20:47   | 1247  |
| 780                  | Year-Round Residence | Non-Participating    | Scipio | 372548.55                          | 4737140.96 | 110:24  | 77  | 19:50   | 1190  |
| 613                  | Year-Round Residence | Non-Participating    | Venice | 377082.27                          | 4731629.31 | 57:23   | 52  | 19:07   | 1147  |
| 805                  | Year-Round Residence | Non-Participating    | Venice | 375026.12                          | 4733664.81 | 73:31   | 52  | 18:32   | 1112  |
| 942                  | Year-Round Residence | Non-Participating    | Venice | 373065.32                          | 4731455.36 | 82:19   | 46  | 17:13   | 1033  |
| 488                  | Year-Round Residence | Non-Participating    | Scipio | 375742.09                          | 4736623.57 | 74:52   | 32  | 17:08   | 1028  |
| 797                  | Year-Round Residence | Non-Participating    | Scipio | 374168.89                          | 4735587.85 | 86:05   | 51  | 16:39   | 999   |
| 758                  | Year-Round Residence | Non-Participating    | Scipio | 374175.98                          | 4738031.44 | 85:40   | 69  | 15:59   | 959   |
| 806                  | Year-Round Residence | Non-Participating    | Venice | 375114.80                          | 4733552.03 | 60:46   | 56  | 15:59   | 959   |
| 808                  | Year-Round Residence | Non-Participating    | Venice | 375053.87                          | 4733526.34 | 57:47   | 52  | 15:15   | 915   |
| 802                  | Year-Round Residence | Non-Participating    | Venice | 374907.98                          | 4733958.24 | 54:38   | 53  | 14:45   | 885   |
| 467                  | Year-Round Residence | Non-Participating    | Scipio | 374967.38                          | 4737991.30 | 102:50  | 63  | 14:41   | 881   |
| 831                  | Year-Round Residence | Non-Participating    | Venice | 375354.48                          | 4732772.84 | 75:30   | 51  | 14:26   | 866   |
| 835                  | Year-Round Residence | Non-Participating    | Venice | 375344.68                          | 4732619.86 | 69:33   | 54  | 14:16   | 856   |
| 923                  | Year-Round Residence | Non-Participating    | Venice | 373055.62                          | 4731591.88 | 61:29   | 41  | 14:13   | 853   |
| 924                  | Year-Round Residence | Non-Participating    | Venice | 373090.77                          | 4731580.96 | 60:02   | 40  | 14:09   | 849   |
| 944                  | Year-Round Residence | Non-Participating    | Venice | 373108.64                          | 4731276.61 | 53:04   | 53  | 12:16   | 736   |
| 578                  | Year-Round Residence | Non-Participating    | Venice | 376630.83                          | 4733511.46 | 39:35   | 35  | 11:34   | 694   |
| 820                  | Year-Round Residence | Non-Participating    | Venice | 375401.74                          | 4732978.32 | 59:36   | 43  | 10:53   | 653   |
| 793                  | Year-Round Residence | Non-Participating    | Scipio | 373684.57                          | 4735938.55 | 47:08   | 33  | 10:15   | 615   |
| 577                  | Year-Round Residence | Non-Participating    | Venice | 376703.96                          | 4733873.22 | 40:02   | 33  | 9:58  | 598   |
| 829                  | Year-Round Residence | Non-Participating    | Venice | 375277.07                          | 4732794.35 | 51:58   | 41  | 9:39  | 579   |
| 819                  | Year-Round Residence | Non-Participating    | Venice | 375368.69                          | 4733021.58 | 53:07   | 41  | 9:39  | 579   |
| 506                  | Year-Round Residence | Non-Participating    | Scipio | 377928.65                          | 4735032.12 | 38:17   | 47  | 9:37  | 577   |
| 1103                 | Year-Round Residence | Non-Participating    | Scipio | 372296.40                          | 4734835.13 | 48:08   | 33  | 9:25  | 565   |
| 504                  | Year-Round Residence | Non-Participating    | Scipio | 377807.23                          | 4735447.82 | 65:33   | 48  | 9:22  | 562   |
| 468                  | Year-Round Residence | Non-Participating    | Scipio | 375108.65                          | 4737989.01 | 61:50   | 52  | 9:21  | 561   |
| 830                  | Year-Round Residence | Non-Participating    | Venice | 375319.61                          | 4732852.63 | 49:55   | 42  | 9:17  | 557   |
| 945                  | Year-Round Residence | Non-Participating    | Venice | 372998.17                          | 4731232.32 | 37:32   | 47  | 9:16  | 556   |
| 876                  | Year-Round Residence | Non-Participating    | Venice | 373039.66                          | 4734776.69 | 37:47   | 47  | 9:09  | 549   |
| 885                  | Year-Round Residence | Non-Participating    | Venice | 372557.14                          | 4733289.33 | 34:46   | 30  | 9:05  | 545   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 886                  | Year-Round Residence | Non-Participating    | Venice | 372556.04                          | 4733242.62 | 34:03   | 30  | 8:55  | 535   |
| 574                  | Year-Round Residence | Non-Participating    | Venice | 376593.51                          | 4734161.61 | 42:31   | 53  | 8:48  | 528   |
| 941                  | Year-Round Residence | Non-Participating    | Venice | 375080.37                          | 4731582.55 | 35:00   | 40  | 8:47  | 527   |
| 940                  | Year-Round Residence | Non-Participating    | Venice | 375030.96                          | 4731556.61 | 36:03   | 37  | 8:43  | 523   |
| 520                  | Year-Round Residence | Non-Participating    | Venice | 378246.23                          | 4734106.95 | 62:59   | 49  | 8:39  | 519   |
| 583                  | Year-Round Residence | Non-Participating    | Venice | 376703.75                          | 4732897.46 | 61:30   | 47  | 8:20  | 500   |
| 753                  | Year-Round Residence | Non-Participating    | Scipio | 373808.43                          | 4737955.68 | 36:28   | 44  | 8:11  | 491   |
| 575                  | Year-Round Residence | Non-Participating    | Venice | 376668.33                          | 4734190.36 | 40:03   | 40  | 8:03  | 483   |
| 505                  | Year-Round Residence | Non-Participating    | Scipio | 377791.24                          | 4735544.38 | 57:37   | 47  | 7:56  | 476   |
| 887                  | Year-Round Residence | Non-Participating    | Venice | 372563.78                          | 4733208.31 | 29:50   | 30  | 7:49  | 469   |
| 522                  | Year-Round Residence | Non-Participating    | Venice | 378350.97                          | 4734011.81 | 45:35   | 46  | 7:00  | 420   |
| 469                  | Year-Round Residence | Non-Participating    | Scipio | 375207.68                          | 4737981.34 | 41:55   | 46  | 6:52  | 412   |
| 877                  | Year-Round Residence | Non-Participating    | Venice | 372685.62                          | 4733910.32 | 27:02   | 33  | 6:47  | 407   |
| 777                  | Year-Round Residence | Non-Participating    | Scipio | 372483.31                          | 4737507.24 | 37:48   | 37  | 6:45  | 405   |
| 888                  | Year-Round Residence | Non-Participating    | Venice | 372554.22                          | 4733180.93 | 25:41   | 30  | 6:44  | 404   |
| 931                  | Year-Round Residence | Non-Participating    | Venice | 373764.63                          | 4731618.96 | 25:34   | 26  | 6:43  | 403   |
| 470                  | Year-Round Residence | Non-Participating    | Scipio | 375227.58                          | 4738054.71 | 44:14   | 44  | 6:33  | 393   |
| 489                  | Year-Round Residence | Non-Participating    | Scipio | 376655.28                          | 4736709.73 | 36:15   | 29  | 6:30  | 390   |
| 817                  | Year-Round Residence | Non-Participating    | Venice | 375266.84                          | 4732966.56 | 32:46   | 38  | 6:26  | 386   |
| 812                  | Year-Round Residence | Non-Participating    | Venice | 375216.01                          | 4733158.13 | 36:09   | 34  | 6:25  | 385   |
| 939                  | Year-Round Residence | Non-Participating    | Venice | 374996.64                          | 4731640.06 | 25:06   | 36  | 6:23  | 383   |
| 788                  | Year-Round Residence | Non-Participating    | Scipio | 372506.73                          | 4736207.67 | 24:56   | 36  | 6:18  | 378   |
| 911                  | Year-Round Residence | Non-Participating    | Venice | 374847.07                          | 4733033.74 | 22:45   | 26  | 6:16  | 376   |
| 582                  | Year-Round Residence | Non-Participating    | Venice | 376807.56                          | 4732982.80 | 46:31   | 41  | 6:12  | 372   |
| 810                  | Year-Round Residence | Non-Participating    | Venice | 375111.95                          | 4733266.67 | 30:13   | 30  | 6:00  | 360   |
| 933                  | Year-Round Residence | Non-Participating    | Venice | 373961.25                          | 4731621.47 | 22:47   | 29  | 5:58  | 358   |
| 749                  | Year-Round Residence | Non-Participating    | Scipio | 373354.28                          | 4738009.81 | 28:26   | 27  | 5:49  | 349   |
| 936                  | Year-Round Residence | Non-Participating    | Venice | 374660.72                          | 4731649.70 | 32:17   | 27  | 5:47  | 347   |
| 500                  | Year-Round Residence | Non-Participating    | Scipio | 376915.88                          | 4735627.65 | 23:06   | 27  | 5:47  | 347   |
| 938                  | Year-Round Residence | Non-Participating    | Venice | 374712.92                          | 4731487.62 | 26:46   | 28  | 5:34  | 334   |
| 775                  | Year-Round Residence | Non-Participating    | Scipio | 372435.83                          | 4737561.25 | 31:07   | 35  | 5:30  | 330   |
| 811                  | Year-Round Residence | Non-Participating    | Venice | 375129.95                          | 4733223.44 | 30:22   | 31  | 5:21  | 321   |
| 822                  | Year-Round Residence | Non-Participating    | Venice | 375183.00                          | 4732895.90 | 24:04   | 36  | 5:21  | 321   |
| 491                  | Year-Round Residence | Non-Participating    | Scipio | 376392.38                          | 4736765.18 | 17:40   | 31  | 5:13  | 313   |
| 521                  | Year-Round Residence | Non-Participating    | Venice | 378460.52                          | 4734061.70 | 33:58   | 40  | 5:12  | 312   |
| 932                  | Year-Round Residence | Non-Participating    | Venice | 373800.11                          | 4731540.05 | 19:17   | 25  | 5:03  | 303   |
| 1119                 | Year-Round Residence | Non-Participating    | Venice | 372374.94                          | 4733070.73 | 19:10   | 25  | 5:01  | 301   |
| 774                  | Year-Round Residence | Non-Participating    | Scipio | 372480.04                          | 4737556.02 | 28:11   | 35  | 4:57  | 297   |
| 901                  | Year-Round Residence | Non-Participating    | Venice | 373343.03                          | 4732903.87 | 27:49   | 29  | 4:54  | 294   |
| 747                  | Year-Round Residence | Non-Participating    | Scipio | 373305.95                          | 4737947.52 | 22:36   | 26  | 4:47  | 287   |
| 922                  | Year-Round Residence | Non-Participating    | Venice | 373100.98                          | 4731704.26 | 18:36   | 28  | 4:46  | 286   |
| 1121                 | Year-Round Residence | Non-Participating    | Venice | 372399.99                          | 4733070.26 | 17:28   | 25  | 4:34  | 274   |
| 880                  | Year-Round Residence | Non-Participating    | Venice | 372567.31                          | 4733537.57 | 17:44   | 31  | 4:31  | 271   |
| 879                  | Year-Round Residence | Non-Participating    | Venice | 372666.33                          | 4733845.43 | 17:51   | 33  | 4:31  | 271   |
| 524                  | Year-Round Residence | Non-Participating    | Venice | 378599.67                          | 4733825.60 | 22:22   | 37  | 4:27  | 267   |
| 418                  | Year-Round Residence | Non-Participating    | Scipio | 377968.10                          | 4735715.79 | 32:52   | 36  | 4:25  | 265   |
| 908                  | Year-Round Residence | Non-Participating    | Venice | 374236.89                          | 4732939.33 | 24:51   | 32  | 4:19  | 259   |
| 474                  | Year-Round Residence | Non-Participating    | Scipio | 375852.74                          | 4737710.15 | 21:10   | 26  | 4:16  | 256   |
| 1059                 | Year-Round Residence | Non-Participating    | Scipio | 370651.64                          | 4736150.12 | 16:17   | 26  | 4:15  | 255   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 609                  | Year-Round Residence | Non-Participating    | Venice | 377049.09                          | 4732673.75 | 24:12   | 34  | 4:11  | 251   |
| 615                  | Year-Round Residence | Non-Participating    | Venice | 377683.41                          | 4731648.39 | 13:39   | 28  | 4:06  | 246   |
| 875                  | Year-Round Residence | Non-Participating    | Scipio | 372591.73                          | 4734882.41 | 18:10   | 29  | 4:03  | 243   |
| 872                  | Year-Round Residence | Non-Participating    | Scipio | 372709.18                          | 4735194.33 | 20:55   | 30  | 3:58  | 238   |
| 1123                 | Year-Round Residence | Non-Participating    | Venice | 372432.10                          | 4733070.22 | 14:55   | 24  | 3:53  | 233   |
| 529                  | Year-Round Residence | Non-Participating    | Venice | 379001.19                          | 4733197.89 | 12:22   | 25  | 3:52  | 232   |
| 490                  | Year-Round Residence | Non-Participating    | Scipio | 376574.74                          | 4736803.76 | 14:01   | 26  | 3:43  | 223   |
| 473                  | Year-Round Residence | Non-Participating    | Scipio | 375456.64                          | 4738084.92 | 22:55   | 34  | 3:41  | 221   |
| 760                  | Year-Round Residence | Non-Participating    | Scipio | 374440.94                          | 4738036.46 | 21:45   | 47  | 3:38  | 218   |
| 525                  | Year-Round Residence | Non-Participating    | Venice | 378864.11                          | 4733616.76 | 14:23   | 29  | 3:35  | 215   |
| 871                  | Year-Round Residence | Non-Participating    | Scipio | 372709.38                          | 4735422.95 | 20:33   | 28  | 3:33  | 213   |
| 1057                 | Year-Round Residence | Non-Participating    | Scipio | 370612.52                          | 4736211.42 | 13:08   | 25  | 3:21  | 201   |
| 416                  | Year-Round Residence | Non-Participating    | Scipio | 378241.69                          | 4735331.41 | 17:23   | 32  | 3:19  | 199   |
| 1124                 | Year-Round Residence | Non-Participating    | Venice | 372452.08                          | 4733069.57 | 12:44   | 23  | 3:19  | 199   |
| 900                  | Year-Round Residence | Non-Participating    | Venice | 373267.68                          | 4733011.05 | 19:12   | 26  | 3:17  | 197   |
| 790                  | Year-Round Residence | Non-Participating    | Scipio | 373185.29                          | 4735915.59 | 9:24  | 14  | 3:14  | 194   |
| 502                  | Year-Round Residence | Non-Participating    | Scipio | 377046.68                          | 4735638.14 | 11:02   | 25  | 3:12  | 192   |
| 608                  | Year-Round Residence | Non-Participating    | Venice | 377042.60                          | 4732736.57 | 16:57   | 34  | 3:12  | 192   |
| 773                  | Year-Round Residence | Non-Participating    | Scipio | 372478.65                          | 4737599.25 | 18:25   | 30  | 3:09  | 189   |
| 919                  | Year-Round Residence | Non-Participating    | Venice | 372982.53                          | 4731811.62 | 12:37   | 26  | 3:07  | 187   |
| 466                  | Year-Round Residence | Non-Participating    | Scipio | 374880.46                          | 4738134.81 | 22:08   | 40  | 2:57  | 177   |
| 1099                 | Year-Round Residence | Non-Participating    | Scipio | 371974.17                          | 4734843.08 | 14:11   | 26  | 2:51  | 171   |
| 635                  | Year-Round Residence | Non-Participating    | Venice | 377143.43                          | 4731488.18 | 9:10  | 22  | 2:46  | 166   |
| 1125                 | Year-Round Residence | Non-Participating    | Venice | 372511.28                          | 4733087.61 | 10:30   | 21  | 2:43  | 163   |
| 792                  | Year-Round Residence | Non-Participating    | Scipio | 373337.00                          | 4735832.49 | 10:25   | 25  | 2:40  | 160   |
| 415                  | Year-Round Residence | Non-Participating    | Scipio | 378369.73                          | 4735340.63 | 13:49   | 29  | 2:39  | 159   |
| 809                  | Year-Round Residence | Non-Participating    | Venice | 375165.68                          | 4733296.26 | 15:12   | 26  | 2:34  | 154   |
| 512                  | Year-Round Residence | Non-Participating    | Venice | 377672.03                          | 4734708.57 | 7:18  | 24  | 2:29  | 149   |
| 1100                 | Year-Round Residence | Non-Participating    | Venice | 371821.36                          | 4734713.17 | 10:26   | 24  | 2:26  | 146   |
| 586                  | Year-Round Residence | Non-Participating    | Venice | 377128.42                          | 4732912.35 | 13:28   | 29  | 2:18  | 138   |
| 584                  | Year-Round Residence | Non-Participating    | Venice | 377104.75                          | 4733021.03 | 15:29   | 29  | 2:14  | 134   |
| 405                  | Year-Round Residence | Non-Participating    | Scipio | 378452.25                          | 4735789.17 | 14:29   | 25  | 2:03  | 123   |
| 935                  | Year-Round Residence | Non-Participating    | Venice | 374326.19                          | 4731562.59 | 16:07   | 31  | 2:02  | 122   |
| 1056                 | Year-Round Residence | Non-Participating    | Scipio | 370508.69                          | 4736803.33 | 8:08  | 23  | 2:02  | 122   |
| 1055                 | Year-Round Residence | Non-Participating    | Scipio | 370489.17                          | 4736866.29 | 7:54  | 23  | 1:56  | 116   |
| 412                  | Year-Round Residence | Non-Participating    | Venice | 378600.96                          | 4735293.06 | 9:44  | 24  | 1:56  | 116   |
| 492                  | Year-Round Residence | Non-Participating    | Scipio | 376776.58                          | 4736852.19 | 15:03   | 24  | 1:55  | 115   |
| 745                  | Year-Round Residence | Non-Participating    | Scipio | 373103.70                          | 4737941.79 | 8:00  | 23  | 1:52  | 112   |
| 585                  | Year-Round Residence | Non-Participating    | Venice | 377197.24                          | 4732976.44 | 11:30   | 26  | 1:51  | 111   |
| 892                  | Year-Round Residence | Non-Participating    | Venice | 372635.66                          | 4733138.84 | 7:10  | 19  | 1:50  | 110   |
| 934                  | Year-Round Residence | Non-Participating    | Venice | 374117.12                          | 4731627.46 | 6:36  | 16  | 1:42  | 102   |
| 827                  | Year-Round Residence | Non-Participating    | Venice | 376207.34                          | 4732965.22 | 12:55   | 18  | 1:39  | 99  |
| 890                  | Year-Round Residence | Non-Participating    | Venice | 372592.18                          | 4733112.54 | 6:20  | 18  | 1:37  | 97  |
| 951                  | Year-Round Residence | Non-Participating    | Venice | 375121.88                          | 4730855.12 | 4:10  | 15  | 1:05  | 65  |
| 465                  | Year-Round Residence | Non-Participating    | Scipio | 374960.11                          | 4738204.84 | 5:36  | 20  | 0:40  | 40  |
| 1118                 | Year-Round Residence | Non-Participating    | Venice | 372300.82                          | 4733098.03 | 0:00  | 0   | 0:00  | 0   |
| 530                  | Year-Round Residence | Non-Participating    | Venice | 379130.93                          | 4733084.30 | 0:00  | 0   | 0:00  | 0   |
| 1122                 | Year-Round Residence | Non-Participating    | Venice | 372252.76                          | 4732989.37 | 0:00  | 0   | 0:00  | 0   |
| 1120                 | Year-Round Residence | Non-Participating    | Venice | 372336.95                          | 4733027.23 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 526                  | Year-Round Residence | Non-Participating    | Venice  | 379169.12                          | 4733416.33 | 0:00  | 0   | 0:00  | 0   |
| 403                  | Year-Round Residence | Non-Participating    | Scipio  | 378443.04                          | 4735898.68 | 0:00  | 0   | 0:00  | 0   |
| 1299                 | Year-Round Residence | Non-Participating    | Venice  | 377786.82                          | 4732785.06 | 0:00  | 0   | 0:00  | 0   |
| 1096                 | Year-Round Residence | Non-Participating    | Scipio  | 371762.93                          | 4734798.49 | 0:00  | 0   | 0:00  | 0   |
| 918                  | Year-Round Residence | Non-Participating    | Venice  | 372822.67                          | 4732087.60 | 0:00  | 0   | 0:00  | 0   |
| 589                  | Year-Round Residence | Non-Participating    | Venice  | 377821.31                          | 4732791.11 | 0:00  | 0   | 0:00  | 0   |
| 916                  | Year-Round Residence | Non-Participating    | Venice  | 372829.83                          | 4732213.83 | 0:00  | 0   | 0:00  | 0   |
| 404                  | Year-Round Residence | Non-Participating    | Scipio  | 378471.26                          | 4735853.47 | 0:00  | 0   | 0:00  | 0   |
| 906                  | Year-Round Residence | Non-Participating    | Venice  | 373751.96                          | 4732983.28 | 0:00  | 0   | 0:00  | 0   |
| 590                  | Year-Round Residence | Non-Participating    | Venice  | 377847.66                          | 4732858.86 | 0:00  | 0   | 0:00  | 0   |
| 591                  | Year-Round Residence | Non-Participating    | Venice  | 377887.48                          | 4732849.86 | 0:00  | 0   | 0:00  | 0   |
| 1054                 | Year-Round Residence | Non-Participating    | Scipio  | 370479.10                          | 4736941.43 | 0:00  | 0   | 0:00  | 0   |
| 917                  | Year-Round Residence | Non-Participating    | Venice  | 372742.38                          | 4732221.63 | 0:00  | 0   | 0:00  | 0   |
| 744                  | Year-Round Residence | Non-Participating    | Scipio  | 373055.90                          | 4737934.41 | 0:00  | 0   | 0:00  | 0   |
| 409                  | Year-Round Residence | Non-Participating    | Venice  | 378777.44                          | 4735191.95 | 0:00  | 0   | 0:00  | 0   |
| 406                  | Year-Round Residence | Non-Participating    | Scipio  | 378527.85                          | 4735752.51 | 0:00  | 0   | 0:00  | 0   |
| 743                  | Year-Round Residence | Non-Participating    | Scipio  | 372999.13                          | 4737942.75 | 0:00  | 0   | 0:00  | 0   |
| 408                  | Year-Round Residence | Non-Participating    | Venice  | 378811.32                          | 4735200.84 | 0:00  | 0   | 0:00  | 0   |
| 493                  | Year-Round Residence | Non-Participating    | Scipio  | 377049.15                          | 4736677.36 | 0:00  | 0   | 0:00  | 0   |
| 592                  | Year-Round Residence | Non-Participating    | Venice  | 377903.62                          | 4732762.58 | 0:00  | 0   | 0:00  | 0   |
| 588                  | Year-Round Residence | Non-Participating    | Venice  | 377774.09                          | 4732879.92 | 0:00  | 0   | 0:00  | 0   |
| 593                  | Year-Round Residence | Non-Participating    | Venice  | 377942.47                          | 4732752.01 | 0:00  | 0   | 0:00  | 0   |
| 1038                 | Year-Round Residence | Non-Participating    | Scipio  | 372080.17                          | 4737926.23 | 0:00  | 0   | 0:00  | 0   |
| 1117                 | Year-Round Residence | Non-Participating    | Venice  | 372321.22                          | 4732954.31 | 0:00  | 0   | 0:00  | 0   |
| 1039                 | Year-Round Residence | Non-Participating    | Scipio  | 372108.01                          | 4737927.29 | 0:00  | 0   | 0:00  | 0   |
| 1                    | Year-Round Residence | Non-Participating    | Moravia | 380974.40                          | 4734987.20 | 0:00  | 0   | 0:00  | 0   |
| 2                    | Year-Round Residence | Non-Participating    | Moravia | 380866.90                          | 4735289.63 | 0:00  | 0   | 0:00  | 0   |
| 3                    | Year-Round Residence | Non-Participating    | Moravia | 380726.27                          | 4734798.67 | 0:00  | 0   | 0:00  | 0   |
| 4                    | Year-Round Residence | Non-Participating    | Moravia | 380624.96                          | 4734950.66 | 0:00  | 0   | 0:00  | 0   |
| 6                    | Year-Round Residence | Non-Participating    | Moravia | 380537.85                          | 4734925.23 | 0:00  | 0   | 0:00  | 0   |
| 7                    | Year-Round Residence | Non-Participating    | Moravia | 380547.46                          | 4734933.18 | 0:00  | 0   | 0:00  | 0   |
| 8                    | Year-Round Residence | Non-Participating    | Moravia | 380553.11                          | 4734942.62 | 0:00  | 0   | 0:00  | 0   |
| 9                    | Year-Round Residence | Non-Participating    | Moravia | 380582.31                          | 4734927.07 | 0:00  | 0   | 0:00  | 0   |
| 10                   | Year-Round Residence | Non-Participating    | Moravia | 380567.76                          | 4734956.07 | 0:00  | 0   | 0:00  | 0   |
| 11                   | Year-Round Residence | Non-Participating    | Moravia | 380572.90                          | 4734963.10 | 0:00  | 0   | 0:00  | 0   |
| 12                   | Year-Round Residence | Non-Participating    | Moravia | 380576.24                          | 4734975.92 | 0:00  | 0   | 0:00  | 0   |
| 13                   | Seasonal Residence   | Non-Participating    | Moravia | 380570.92                          | 4734986.10 | 0:00  | 0   | 0:00  | 0   |
| 14                   | Seasonal Residence   | Non-Participating    | Moravia | 380567.08                          | 4734995.75 | 0:00  | 0   | 0:00  | 0   |
| 15                   | Year-Round Residence | Non-Participating    | Moravia | 380593.56                          | 4735013.77 | 0:00  | 0   | 0:00  | 0   |
| 16                   | Year-Round Residence | Non-Participating    | Moravia | 380568.28                          | 4735012.37 | 0:00  | 0   | 0:00  | 0   |
| 17                   | Year-Round Residence | Non-Participating    | Moravia | 380562.57                          | 4735031.51 | 0:00  | 0   | 0:00  | 0   |
| 18                   | Year-Round Residence | Non-Participating    | Moravia | 380573.23                          | 4735050.34 | 0:00  | 0   | 0:00  | 0   |
| 19                   | Year-Round Residence | Non-Participating    | Moravia | 380560.66                          | 4735048.28 | 0:00  | 0   | 0:00  | 0   |
| 20                   | Year-Round Residence | Non-Participating    | Moravia | 380557.29                          | 4735062.90 | 0:00  | 0   | 0:00  | 0   |
| 21                   | Year-Round Residence | Non-Participating    | Moravia | 380548.67                          | 4735085.11 | 0:00  | 0   | 0:00  | 0   |
| 22                   | Year-Round Residence | Non-Participating    | Moravia | 380547.61                          | 4735094.12 | 0:00  | 0   | 0:00  | 0   |
| 23                   | Year-Round Residence | Non-Participating    | Moravia | 380544.01                          | 4735102.22 | 0:00  | 0   | 0:00  | 0   |
| 24                   | Year-Round Residence | Non-Participating    | Moravia | 380536.88                          | 4735124.05 | 0:00  | 0   | 0:00  | 0   |
| 25                   | Seasonal Residence   | Non-Participating    | Moravia | 380525.89                          | 4735150.27 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 26                   | Year-Round Residence | Non-Participating    | Moravia | 380507.58                          | 4735175.30 | 0:00  | 0   | 0:00  | 0   |
| 27                   | Year-Round Residence | Non-Participating    | Moravia | 380503.51                          | 4735214.08 | 0:00  | 0   | 0:00  | 0   |
| 28                   | Seasonal Residence   | Non-Participating    | Moravia | 380476.39                          | 4735232.72 | 0:00  | 0   | 0:00  | 0   |
| 29                   | Seasonal Residence   | Non-Participating    | Moravia | 380452.56                          | 4735265.42 | 0:00  | 0   | 0:00  | 0   |
| 30                   | Seasonal Residence   | Non-Participating    | Moravia | 380454.20                          | 4735294.37 | 0:00  | 0   | 0:00  | 0   |
| 31                   | Year-Round Residence | Non-Participating    | Moravia | 380448.90                          | 4735308.55 | 0:00  | 0   | 0:00  | 0   |
| 32                   | Seasonal Residence   | Non-Participating    | Moravia | 380438.27                          | 4735350.68 | 0:00  | 0   | 0:00  | 0   |
| 33                   | Year-Round Residence | Non-Participating    | Moravia | 380427.86                          | 4735386.06 | 0:00  | 0   | 0:00  | 0   |
| 34                   | Seasonal Residence   | Non-Participating    | Moravia | 380416.84                          | 4735409.35 | 0:00  | 0   | 0:00  | 0   |
| 35                   | Year-Round Residence | Non-Participating    | Moravia | 380403.13                          | 4735435.60 | 0:00  | 0   | 0:00  | 0   |
| 36                   | Year-Round Residence | Non-Participating    | Moravia | 380441.80                          | 4735458.07 | 0:00  | 0   | 0:00  | 0   |
| 37                   | Seasonal Residence   | Non-Participating    | Moravia | 380400.33                          | 4735455.33 | 0:00  | 0   | 0:00  | 0   |
| 38                   | Seasonal Residence   | Non-Participating    | Moravia | 380359.45                          | 4735490.94 | 0:00  | 0   | 0:00  | 0   |
| 39                   | Seasonal Residence   | Non-Participating    | Moravia | 380341.03                          | 4735540.39 | 0:00  | 0   | 0:00  | 0   |
| 40                   | Seasonal Residence   | Non-Participating    | Moravia | 380302.92                          | 4735618.66 | 0:00  | 0   | 0:00  | 0   |
| 41                   | Seasonal Residence   | Non-Participating    | Moravia | 380283.76                          | 4735645.23 | 0:00  | 0   | 0:00  | 0   |
| 42                   | Seasonal Residence   | Non-Participating    | Moravia | 380267.66                          | 4735669.56 | 0:00  | 0   | 0:00  | 0   |
| 43                   | Seasonal Residence   | Non-Participating    | Moravia | 380313.47                          | 4735656.03 | 0:00  | 0   | 0:00  | 0   |
| 44                   | Seasonal Residence   | Non-Participating    | Moravia | 380261.87                          | 4735692.34 | 0:00  | 0   | 0:00  | 0   |
| 45                   | Year-Round Residence | Non-Participating    | Moravia | 380291.46                          | 4735887.00 | 0:00  | 0   | 0:00  | 0   |
| 46                   | Seasonal Residence   | Non-Participating    | Moravia | 380204.11                          | 4735858.86 | 0:00  | 0   | 0:00  | 0   |
| 47                   | Year-Round Residence | Non-Participating    | Moravia | 380146.65                          | 4735902.72 | 0:00  | 0   | 0:00  | 0   |
| 48                   | Year-Round Residence | Non-Participating    | Moravia | 380117.68                          | 4735922.82 | 0:00  | 0   | 0:00  | 0   |
| 49                   | Year-Round Residence | Non-Participating    | Moravia | 380121.95                          | 4735957.09 | 0:00  | 0   | 0:00  | 0   |
| 50                   | Year-Round Residence | Non-Participating    | Moravia | 380097.52                          | 4735965.78 | 0:00  | 0   | 0:00  | 0   |
| 51                   | Seasonal Residence   | Non-Participating    | Moravia | 380098.40                          | 4735979.46 | 0:00  | 0   | 0:00  | 0   |
| 52                   | Year-Round Residence | Non-Participating    | Moravia | 380100.13                          | 4735992.83 | 0:00  | 0   | 0:00  | 0   |
| 53                   | Year-Round Residence | Non-Participating    | Moravia | 380098.09                          | 4736004.03 | 0:00  | 0   | 0:00  | 0   |
| 54                   | Year-Round Residence | Non-Participating    | Moravia | 380104.10                          | 4736012.71 | 0:00  | 0   | 0:00  | 0   |
| 55                   | Seasonal Residence   | Non-Participating    | Moravia | 380099.82                          | 4736020.13 | 0:00  | 0   | 0:00  | 0   |
| 56                   | Seasonal Residence   | Non-Participating    | Moravia | 380096.62                          | 4736028.20 | 0:00  | 0   | 0:00  | 0   |
| 57                   | Seasonal Residence   | Non-Participating    | Moravia | 380088.71                          | 4736035.37 | 0:00  | 0   | 0:00  | 0   |
| 58                   | Year-Round Residence | Non-Participating    | Moravia | 380080.51                          | 4736043.16 | 0:00  | 0   | 0:00  | 0   |
| 59                   | Year-Round Residence | Non-Participating    | Moravia | 380072.76                          | 4736049.57 | 0:00  | 0   | 0:00  | 0   |
| 60                   | Year-Round Residence | Non-Participating    | Moravia | 380059.06                          | 4736055.81 | 0:00  | 0   | 0:00  | 0   |
| 61                   | Seasonal Residence   | Non-Participating    | Moravia | 380049.43                          | 4736062.66 | 0:00  | 0   | 0:00  | 0   |
| 62                   | Seasonal Residence   | Non-Participating    | Moravia | 380043.45                          | 4736067.58 | 0:00  | 0   | 0:00  | 0   |
| 63                   | Seasonal Residence   | Non-Participating    | Moravia | 380032.66                          | 4736069.73 | 0:00  | 0   | 0:00  | 0   |
| 64                   | Seasonal Residence   | Non-Participating    | Moravia | 380024.81                          | 4736074.84 | 0:00  | 0   | 0:00  | 0   |
| 65                   | Year-Round Residence | Non-Participating    | Moravia | 380015.17                          | 4736084.39 | 0:00  | 0   | 0:00  | 0   |
| 66                   | Year-Round Residence | Non-Participating    | Moravia | 380007.45                          | 4736094.17 | 0:00  | 0   | 0:00  | 0   |
| 67                   | Seasonal Residence   | Non-Participating    | Moravia | 379998.32                          | 4736103.01 | 0:00  | 0   | 0:00  | 0   |
| 68                   | Seasonal Residence   | Non-Participating    | Moravia | 380015.51                          | 4736109.61 | 0:00  | 0   | 0:00  | 0   |
| 69                   | Seasonal Residence   | Non-Participating    | Moravia | 379991.31                          | 4736114.99 | 0:00  | 0   | 0:00  | 0   |
| 70                   | Seasonal Residence   | Non-Participating    | Moravia | 379986.33                          | 4736126.88 | 0:00  | 0   | 0:00  | 0   |
| 71                   | Year-Round Residence | Non-Participating    | Moravia | 379982.47                          | 4736138.54 | 0:00  | 0   | 0:00  | 0   |
| 72                   | Year-Round Residence | Non-Participating    | Moravia | 379981.33                          | 4736153.64 | 0:00  | 0   | 0:00  | 0   |
| 73                   | Seasonal Residence   | Non-Participating    | Moravia | 379977.63                          | 4736166.10 | 0:00  | 0   | 0:00  | 0   |
| 74                   | Seasonal Residence   | Non-Participating    | Moravia | 379973.78                          | 4736180.45 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 75                   | Seasonal Residence   | Non-Participating    | Moravia | 379952.77                          | 4736181.44 | 0:00  | 0   | 0:00  | 0   |
| 76                   | Year-Round Residence | Non-Participating    | Moravia | 379945.83                          | 4736193.47 | 0:00  | 0   | 0:00  | 0   |
| 77                   | Year-Round Residence | Non-Participating    | Moravia | 379933.66                          | 4736200.40 | 0:00  | 0   | 0:00  | 0   |
| 78                   | Seasonal Residence   | Non-Participating    | Moravia | 379925.74                          | 4736215.20 | 0:00  | 0   | 0:00  | 0   |
| 79                   | Year-Round Residence | Non-Participating    | Moravia | 379912.23                          | 4736227.16 | 0:00  | 0   | 0:00  | 0   |
| 80                   | Year-Round Residence | Non-Participating    | Moravia | 379934.79                          | 4736242.85 | 0:00  | 0   | 0:00  | 0   |
| 81                   | Year-Round Residence | Non-Participating    | Moravia | 379904.07                          | 4736245.60 | 0:00  | 0   | 0:00  | 0   |
| 82                   | Seasonal Residence   | Non-Participating    | Moravia | 379896.48                          | 4736262.60 | 0:00  | 0   | 0:00  | 0   |
| 83                   | Seasonal Residence   | Non-Participating    | Moravia | 379893.42                          | 4736276.99 | 0:00  | 0   | 0:00  | 0   |
| 84                   | Year-Round Residence | Non-Participating    | Moravia | 379889.83                          | 4736293.05 | 0:00  | 0   | 0:00  | 0   |
| 85                   | Year-Round Residence | Non-Participating    | Moravia | 379883.55                          | 4736307.31 | 0:00  | 0   | 0:00  | 0   |
| 86                   | Year-Round Residence | Non-Participating    | Moravia | 379876.46                          | 4736318.86 | 0:00  | 0   | 0:00  | 0   |
| 87                   | Seasonal Residence   | Non-Participating    | Moravia | 379872.06                          | 4736332.18 | 0:00  | 0   | 0:00  | 0   |
| 88                   | Seasonal Residence   | Non-Participating    | Moravia | 379867.88                          | 4736348.13 | 0:00  | 0   | 0:00  | 0   |
| 89                   | Seasonal Residence   | Non-Participating    | Moravia | 379865.15                          | 4736361.94 | 0:00  | 0   | 0:00  | 0   |
| 90                   | Seasonal Residence   | Non-Participating    | Moravia | 379862.44                          | 4736373.56 | 0:00  | 0   | 0:00  | 0   |
| 91                   | Seasonal Residence   | Non-Participating    | Moravia | 379860.53                          | 4736383.43 | 0:00  | 0   | 0:00  | 0   |
| 92                   | Seasonal Residence   | Non-Participating    | Moravia | 379858.57                          | 4736393.35 | 0:00  | 0   | 0:00  | 0   |
| 93                   | Year-Round Residence | Non-Participating    | Moravia | 379853.41                          | 4736406.22 | 0:00  | 0   | 0:00  | 0   |
| 94                   | Seasonal Residence   | Non-Participating    | Moravia | 379851.04                          | 4736418.93 | 0:00  | 0   | 0:00  | 0   |
| 95                   | Seasonal Residence   | Non-Participating    | Moravia | 379855.16                          | 4736427.29 | 0:00  | 0   | 0:00  | 0   |
| 96                   | Year-Round Residence | Non-Participating    | Moravia | 379859.78                          | 4736436.88 | 0:00  | 0   | 0:00  | 0   |
| 97                   | Seasonal Residence   | Non-Participating    | Moravia | 379866.18                          | 4736464.61 | 0:00  | 0   | 0:00  | 0   |
| 98                   | Seasonal Residence   | Non-Participating    | Moravia | 379881.57                          | 4736473.40 | 0:00  | 0   | 0:00  | 0   |
| 99                   | Seasonal Residence   | Non-Participating    | Moravia | 379887.71                          | 4736482.06 | 0:00  | 0   | 0:00  | 0   |
| 100                  | Year-Round Residence | Non-Participating    | Moravia | 379896.49                          | 4736490.13 | 0:00  | 0   | 0:00  | 0   |
| 101                  | Seasonal Residence   | Non-Participating    | Moravia | 379905.23                          | 4736503.72 | 0:00  | 0   | 0:00  | 0   |
| 102                  | Seasonal Residence   | Non-Participating    | Moravia | 379916.65                          | 4736513.61 | 0:00  | 0   | 0:00  | 0   |
| 103                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.41                          | 4736521.19 | 0:00  | 0   | 0:00  | 0   |
| 104                  | Year-Round Residence | Non-Participating    | Moravia | 379939.72                          | 4736532.77 | 0:00  | 0   | 0:00  | 0   |
| 105                  | Year-Round Residence | Non-Participating    | Moravia | 379943.83                          | 4736554.40 | 0:00  | 0   | 0:00  | 0   |
| 106                  | Seasonal Residence   | Non-Participating    | Moravia | 379946.39                          | 4736578.38 | 0:00  | 0   | 0:00  | 0   |
| 107                  | Year-Round Residence | Non-Participating    | Moravia | 379908.79                          | 4736729.99 | 0:00  | 0   | 0:00  | 0   |
| 108                  | Year-Round Residence | Non-Participating    | Moravia | 379913.37                          | 4736705.87 | 0:00  | 0   | 0:00  | 0   |
| 109                  | Year-Round Residence | Non-Participating    | Moravia | 379874.96                          | 4736793.65 | 0:00  | 0   | 0:00  | 0   |
| 110                  | Year-Round Residence | Non-Participating    | Moravia | 379847.60                          | 4736862.71 | 0:00  | 0   | 0:00  | 0   |
| 111                  | Year-Round Residence | Non-Participating    | Moravia | 379835.70                          | 4736880.42 | 0:00  | 0   | 0:00  | 0   |
| 112                  | Year-Round Residence | Non-Participating    | Moravia | 379841.25                          | 4736922.72 | 0:00  | 0   | 0:00  | 0   |
| 113                  | Year-Round Residence | Non-Participating    | Moravia | 379793.03                          | 4736984.92 | 0:00  | 0   | 0:00  | 0   |
| 114                  | Year-Round Residence | Non-Participating    | Moravia | 379764.76                          | 4737017.63 | 0:00  | 0   | 0:00  | 0   |
| 115                  | Year-Round Residence | Non-Participating    | Moravia | 379719.73                          | 4737122.89 | 0:00  | 0   | 0:00  | 0   |
| 116                  | Year-Round Residence | Non-Participating    | Moravia | 379689.44                          | 4737191.52 | 0:00  | 0   | 0:00  | 0   |
| 117                  | Year-Round Residence | Non-Participating    | Moravia | 379665.82                          | 4737201.12 | 0:00  | 0   | 0:00  | 0   |
| 118                  | Year-Round Residence | Non-Participating    | Moravia | 379666.62                          | 4737222.05 | 0:00  | 0   | 0:00  | 0   |
| 119                  | Year-Round Residence | Non-Participating    | Moravia | 379739.15                          | 4737235.91 | 0:00  | 0   | 0:00  | 0   |
| 120                  | Year-Round Residence | Non-Participating    | Moravia | 379673.87                          | 4737313.71 | 0:00  | 0   | 0:00  | 0   |
| 121                  | Year-Round Residence | Non-Participating    | Moravia | 379609.87                          | 4737321.66 | 0:00  | 0   | 0:00  | 0   |
| 122                  | Year-Round Residence | Non-Participating    | Moravia | 379574.35                          | 4737345.38 | 0:00  | 0   | 0:00  | 0   |
| 123                  | Year-Round Residence | Non-Participating    | Moravia | 379587.31                          | 4737376.91 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 124                  | Year-Round Residence | Non-Participating    | Moravia | 379556.81                          | 4737418.00 | 0:00  | 0   | 0:00  | 0   |
| 125                  | Year-Round Residence | Non-Participating    | Moravia | 379540.04                          | 4737445.68 | 0:00  | 0   | 0:00  | 0   |
| 126                  | Seasonal Residence   | Non-Participating    | Moravia | 379538.51                          | 4737487.34 | 0:00  | 0   | 0:00  | 0   |
| 127                  | Seasonal Residence   | Non-Participating    | Moravia | 379522.84                          | 4737537.82 | 0:00  | 0   | 0:00  | 0   |
| 128                  | Year-Round Residence | Non-Participating    | Moravia | 380393.70                          | 4733367.74 | 0:00  | 0   | 0:00  | 0   |
| 129                  | Year-Round Residence | Non-Participating    | Venice  | 379601.66                          | 4734355.41 | 0:00  | 0   | 0:00  | 0   |
| 130                  | Year-Round Residence | Non-Participating    | Venice  | 379553.27                          | 4734436.52 | 0:00  | 0   | 0:00  | 0   |
| 131                  | Year-Round Residence | Non-Participating    | Venice  | 379521.53                          | 4734497.17 | 0:00  | 0   | 0:00  | 0   |
| 132                  | Year-Round Residence | Non-Participating    | Venice  | 379526.21                          | 4734581.83 | 0:00  | 0   | 0:00  | 0   |
| 133                  | Year-Round Residence | Non-Participating    | Venice  | 379520.61                          | 4734591.42 | 0:00  | 0   | 0:00  | 0   |
| 134                  | Year-Round Residence | Non-Participating    | Venice  | 379499.97                          | 4734639.42 | 0:00  | 0   | 0:00  | 0   |
| 135                  | Year-Round Residence | Non-Participating    | Venice  | 379503.53                          | 4734689.79 | 0:00  | 0   | 0:00  | 0   |
| 136                  | Year-Round Residence | Non-Participating    | Venice  | 379509.85                          | 4734704.74 | 0:00  | 0   | 0:00  | 0   |
| 137                  | Year-Round Residence | Non-Participating    | Venice  | 379505.21                          | 4734718.32 | 0:00  | 0   | 0:00  | 0   |
| 138                  | Year-Round Residence | Non-Participating    | Venice  | 379480.77                          | 4734715.83 | 0:00  | 0   | 0:00  | 0   |
| 139                  | Year-Round Residence | Non-Participating    | Venice  | 379466.85                          | 4734716.96 | 0:00  | 0   | 0:00  | 0   |
| 140                  | Year-Round Residence | Non-Participating    | Venice  | 379444.20                          | 4734721.42 | 0:00  | 0   | 0:00  | 0   |
| 141                  | Year-Round Residence | Non-Participating    | Venice  | 379450.28                          | 4734742.87 | 0:00  | 0   | 0:00  | 0   |
| 142                  | Year-Round Residence | Non-Participating    | Venice  | 379465.79                          | 4734740.55 | 0:00  | 0   | 0:00  | 0   |
| 143                  | Year-Round Residence | Non-Participating    | Venice  | 379482.64                          | 4734759.89 | 0:00  | 0   | 0:00  | 0   |
| 144                  | Year-Round Residence | Non-Participating    | Venice  | 379495.37                          | 4734767.84 | 0:00  | 0   | 0:00  | 0   |
| 145                  | Year-Round Residence | Non-Participating    | Venice  | 379464.26                          | 4734778.19 | 0:00  | 0   | 0:00  | 0   |
| 146                  | Year-Round Residence | Non-Participating    | Venice  | 379450.97                          | 4734772.70 | 0:00  | 0   | 0:00  | 0   |
| 147                  | Year-Round Residence | Non-Participating    | Venice  | 379436.69                          | 4734771.16 | 0:00  | 0   | 0:00  | 0   |
| 148                  | Year-Round Residence | Non-Participating    | Venice  | 379383.59                          | 4734788.93 | 0:00  | 0   | 0:00  | 0   |
| 149                  | Year-Round Residence | Non-Participating    | Venice  | 379320.63                          | 4734871.09 | 0:00  | 0   | 0:00  | 0   |
| 150                  | Year-Round Residence | Non-Participating    | Venice  | 379330.09                          | 4734900.60 | 0:00  | 0   | 0:00  | 0   |
| 151                  | Year-Round Residence | Non-Participating    | Venice  | 379299.41                          | 4735030.46 | 0:00  | 0   | 0:00  | 0   |
| 152                  | Year-Round Residence | Non-Participating    | Venice  | 379296.10                          | 4735041.99 | 0:00  | 0   | 0:00  | 0   |
| 153                  | Year-Round Residence | Non-Participating    | Venice  | 379295.49                          | 4735049.39 | 0:00  | 0   | 0:00  | 0   |
| 154                  | Year-Round Residence | Non-Participating    | Venice  | 379294.02                          | 4735058.51 | 0:00  | 0   | 0:00  | 0   |
| 155                  | Year-Round Residence | Non-Participating    | Venice  | 379285.35                          | 4735066.50 | 0:00  | 0   | 0:00  | 0   |
| 156                  | Year-Round Residence | Non-Participating    | Venice  | 379260.90                          | 4735095.33 | 0:00  | 0   | 0:00  | 0   |
| 157                  | Year-Round Residence | Non-Participating    | Venice  | 379195.43                          | 4735133.47 | 0:00  | 0   | 0:00  | 0   |
| 158                  | Year-Round Residence | Non-Participating    | Venice  | 379227.11                          | 4735143.52 | 0:00  | 0   | 0:00  | 0   |
| 159                  | Year-Round Residence | Non-Participating    | Venice  | 379169.61                          | 4735261.41 | 0:00  | 0   | 0:00  | 0   |
| 160                  | Year-Round Residence | Non-Participating    | Venice  | 379136.78                          | 4734833.48 | 0:00  | 0   | 0:00  | 0   |
| 161                  | Year-Round Residence | Non-Participating    | Scipio  | 379078.40                          | 4735389.22 | 0:00  | 0   | 0:00  | 0   |
| 162                  | Year-Round Residence | Non-Participating    | Scipio  | 378932.36                          | 4735361.36 | 0:00  | 0   | 0:00  | 0   |
| 163                  | Year-Round Residence | Non-Participating    | Scipio  | 379062.92                          | 4735417.23 | 0:00  | 0   | 0:00  | 0   |
| 164                  | Year-Round Residence | Non-Participating    | Scipio  | 379007.15                          | 4735665.70 | 0:00  | 0   | 0:00  | 0   |
| 165                  | Year-Round Residence | Non-Participating    | Scipio  | 378991.68                          | 4735691.18 | 0:00  | 0   | 0:00  | 0   |
| 166                  | Year-Round Residence | Non-Participating    | Scipio  | 378845.96                          | 4735938.38 | 0:00  | 0   | 0:00  | 0   |
| 167                  | Year-Round Residence | Non-Participating    | Scipio  | 378862.50                          | 4735907.77 | 0:00  | 0   | 0:00  | 0   |
| 168                  | Year-Round Residence | Non-Participating    | Scipio  | 378784.98                          | 4736197.60 | 0:00  | 0   | 0:00  | 0   |
| 169                  | Year-Round Residence | Non-Participating    | Scipio  | 378808.17                          | 4736194.21 | 0:00  | 0   | 0:00  | 0   |
| 170                  | Year-Round Residence | Non-Participating    | Scipio  | 378823.26                          | 4736180.99 | 0:00  | 0   | 0:00  | 0   |
| 171                  | Year-Round Residence | Non-Participating    | Scipio  | 378827.78                          | 4736164.41 | 0:00  | 0   | 0:00  | 0   |
| 172                  | Year-Round Residence | Non-Participating    | Scipio  | 378821.67                          | 4736142.81 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 173                  | Year-Round Residence | Non-Participating    | Scipio  | 378805.48                          | 4736110.70 | 0:00  | 0   | 0:00  | 0   |
| 174                  | Year-Round Residence | Non-Participating    | Scipio  | 378826.72                          | 4736080.44 | 0:00  | 0   | 0:00  | 0   |
| 175                  | Year-Round Residence | Non-Participating    | Scipio  | 378830.65                          | 4736050.08 | 0:00  | 0   | 0:00  | 0   |
| 176                  | Year-Round Residence | Non-Participating    | Scipio  | 378836.78                          | 4736024.41 | 0:00  | 0   | 0:00  | 0   |
| 177                  | Year-Round Residence | Non-Participating    | Scipio  | 378846.89                          | 4736005.63 | 0:00  | 0   | 0:00  | 0   |
| 178                  | Year-Round Residence | Non-Participating    | Scipio  | 378796.76                          | 4736027.98 | 0:00  | 0   | 0:00  | 0   |
| 179                  | Year-Round Residence | Non-Participating    | Scipio  | 378706.10                          | 4736245.01 | 0:00  | 0   | 0:00  | 0   |
| 180                  | Year-Round Residence | Non-Participating    | Scipio  | 378683.89                          | 4736266.78 | 0:00  | 0   | 0:00  | 0   |
| 181                  | Year-Round Residence | Non-Participating    | Scipio  | 378668.08                          | 4736317.93 | 0:00  | 0   | 0:00  | 0   |
| 182                  | Year-Round Residence | Non-Participating    | Scipio  | 378637.04                          | 4736373.84 | 0:00  | 0   | 0:00  | 0   |
| 183                  | Year-Round Residence | Non-Participating    | Scipio  | 378586.39                          | 4736417.38 | 0:00  | 0   | 0:00  | 0   |
| 184                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.86                          | 4736562.25 | 0:00  | 0   | 0:00  | 0   |
| 185                  | Year-Round Residence | Non-Participating    | Scipio  | 378537.64                          | 4736673.79 | 0:00  | 0   | 0:00  | 0   |
| 186                  | Year-Round Residence | Non-Participating    | Scipio  | 378496.15                          | 4736716.62 | 0:00  | 0   | 0:00  | 0   |
| 187                  | Year-Round Residence | Non-Participating    | Scipio  | 378184.28                          | 4737400.63 | 0:00  | 0   | 0:00  | 0   |
| 188                  | Year-Round Residence | Non-Participating    | Scipio  | 378098.48                          | 4737428.21 | 0:00  | 0   | 0:00  | 0   |
| 189                  | Seasonal Residence   | Non-Participating    | Moravia | 380262.66                          | 4735720.44 | 0:00  | 0   | 0:00  | 0   |
| 190                  | Seasonal Residence   | Non-Participating    | Moravia | 380249.36                          | 4735707.15 | 0:00  | 0   | 0:00  | 0   |
| 191                  | Seasonal Residence   | Non-Participating    | Moravia | 380255.65                          | 4735757.88 | 0:00  | 0   | 0:00  | 0   |
| 192                  | Seasonal Residence   | Non-Participating    | Moravia | 380227.61                          | 4735806.08 | 0:00  | 0   | 0:00  | 0   |
| 193                  | Seasonal Residence   | Non-Participating    | Moravia | 379931.83                          | 4736590.10 | 0:00  | 0   | 0:00  | 0   |
| 194                  | Seasonal Residence   | Non-Participating    | Moravia | 379942.36                          | 4736616.30 | 0:00  | 0   | 0:00  | 0   |
| 195                  | Seasonal Residence   | Non-Participating    | Moravia | 379934.71                          | 4736636.42 | 0:00  | 0   | 0:00  | 0   |
| 196                  | Seasonal Residence   | Non-Participating    | Moravia | 379926.33                          | 4736651.23 | 0:00  | 0   | 0:00  | 0   |
| 197                  | Seasonal Residence   | Non-Participating    | Moravia | 379907.88                          | 4736676.63 | 0:00  | 0   | 0:00  | 0   |
| 198                  | Seasonal Residence   | Non-Participating    | Moravia | 379901.53                          | 4736770.98 | 0:00  | 0   | 0:00  | 0   |
| 199                  | Seasonal Residence   | Non-Participating    | Moravia | 379874.80                          | 4736813.17 | 0:00  | 0   | 0:00  | 0   |
| 200                  | Seasonal Residence   | Non-Participating    | Moravia | 379862.22                          | 4736838.61 | 0:00  | 0   | 0:00  | 0   |
| 201                  | Seasonal Residence   | Non-Participating    | Moravia | 379810.54                          | 4736949.11 | 0:00  | 0   | 0:00  | 0   |
| 202                  | Seasonal Residence   | Non-Participating    | Moravia | 379754.81                          | 4737062.03 | 0:00  | 0   | 0:00  | 0   |
| 203                  | Seasonal Residence   | Non-Participating    | Moravia | 379738.10                          | 4737086.35 | 0:00  | 0   | 0:00  | 0   |
| 204                  | Seasonal Residence   | Non-Participating    | Moravia | 379747.11                          | 4737112.68 | 0:00  | 0   | 0:00  | 0   |
| 205                  | Seasonal Residence   | Non-Participating    | Moravia | 379697.70                          | 4737132.04 | 0:00  | 0   | 0:00  | 0   |
| 206                  | Seasonal Residence   | Non-Participating    | Moravia | 379693.37                          | 4737158.69 | 0:00  | 0   | 0:00  | 0   |
| 207                  | Seasonal Residence   | Non-Participating    | Moravia | 379638.83                          | 4737273.11 | 0:00  | 0   | 0:00  | 0   |
| 208                  | Seasonal Residence   | Non-Participating    | Moravia | 379561.59                          | 4737384.67 | 0:00  | 0   | 0:00  | 0   |
| 209                  | Seasonal Residence   | Non-Participating    | Niles   | 379498.76                          | 4737580.94 | 0:00  | 0   | 0:00  | 0   |
| 210                  | Seasonal Residence   | Non-Participating    | Niles   | 379492.60                          | 4737607.77 | 0:00  | 0   | 0:00  | 0   |
| 211                  | Seasonal Residence   | Non-Participating    | Niles   | 379479.32                          | 4737638.85 | 0:00  | 0   | 0:00  | 0   |
| 212                  | Seasonal Residence   | Non-Participating    | Niles   | 379468.92                          | 4737659.08 | 0:00  | 0   | 0:00  | 0   |
| 213                  | Seasonal Residence   | Non-Participating    | Niles   | 379461.19                          | 4737677.38 | 0:00  | 0   | 0:00  | 0   |
| 214                  | Seasonal Residence   | Non-Participating    | Niles   | 379455.43                          | 4737694.03 | 0:00  | 0   | 0:00  | 0   |
| 215                  | Seasonal Residence   | Non-Participating    | Niles   | 379446.82                          | 4737714.46 | 0:00  | 0   | 0:00  | 0   |
| 216                  | Seasonal Residence   | Non-Participating    | Niles   | 379436.64                          | 4737737.67 | 0:00  | 0   | 0:00  | 0   |
| 217                  | Seasonal Residence   | Non-Participating    | Niles   | 379427.69                          | 4737765.33 | 0:00  | 0   | 0:00  | 0   |
| 218                  | Seasonal Residence   | Non-Participating    | Niles   | 379324.64                          | 4737794.52 | 0:00  | 0   | 0:00  | 0   |
| 219                  | Seasonal Residence   | Non-Participating    | Niles   | 379348.60                          | 4737891.42 | 0:00  | 0   | 0:00  | 0   |
| 220                  | Seasonal Residence   | Non-Participating    | Niles   | 379335.91                          | 4737939.30 | 0:00  | 0   | 0:00  | 0   |
| 221                  | Seasonal Residence   | Non-Participating    | Niles   | 379262.28                          | 4737989.10 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 222                  | Seasonal Residence   | Non-Participating    | Venice  | 379634.88                          | 4734302.75 | 0:00  | 0   | 0:00  | 0   |
| 223                  | Seasonal Residence   | Non-Participating    | Venice  | 379698.88                          | 4734505.64 | 0:00  | 0   | 0:00  | 0   |
| 224                  | Seasonal Residence   | Non-Participating    | Venice  | 379597.50                          | 4734525.85 | 0:00  | 0   | 0:00  | 0   |
| 225                  | Seasonal Residence   | Non-Participating    | Venice  | 379583.90                          | 4734535.92 | 0:00  | 0   | 0:00  | 0   |
| 226                  | Seasonal Residence   | Non-Participating    | Venice  | 379570.06                          | 4734543.74 | 0:00  | 0   | 0:00  | 0   |
| 227                  | Seasonal Residence   | Non-Participating    | Venice  | 379544.15                          | 4734554.57 | 0:00  | 0   | 0:00  | 0   |
| 228                  | Seasonal Residence   | Non-Participating    | Venice  | 379553.12                          | 4734572.45 | 0:00  | 0   | 0:00  | 0   |
| 229                  | Seasonal Residence   | Non-Participating    | Venice  | 379510.21                          | 4734601.49 | 0:00  | 0   | 0:00  | 0   |
| 230                  | Seasonal Residence   | Non-Participating    | Venice  | 379511.82                          | 4734610.87 | 0:00  | 0   | 0:00  | 0   |
| 231                  | Seasonal Residence   | Non-Participating    | Venice  | 379492.96                          | 4734717.58 | 0:00  | 0   | 0:00  | 0   |
| 232                  | Seasonal Residence   | Non-Participating    | Venice  | 379472.59                          | 4734751.64 | 0:00  | 0   | 0:00  | 0   |
| 233                  | Seasonal Residence   | Non-Participating    | Venice  | 379412.27                          | 4734796.05 | 0:00  | 0   | 0:00  | 0   |
| 234                  | Seasonal Residence   | Non-Participating    | Venice  | 379389.59                          | 4734779.14 | 0:00  | 0   | 0:00  | 0   |
| 235                  | Seasonal Residence   | Non-Participating    | Venice  | 379361.33                          | 4734801.75 | 0:00  | 0   | 0:00  | 0   |
| 236                  | Seasonal Residence   | Non-Participating    | Venice  | 379377.56                          | 4734844.99 | 0:00  | 0   | 0:00  | 0   |
| 237                  | Seasonal Residence   | Non-Participating    | Venice  | 379351.97                          | 4734841.33 | 0:00  | 0   | 0:00  | 0   |
| 238                  | Seasonal Residence   | Non-Participating    | Venice  | 379342.18                          | 4734857.25 | 0:00  | 0   | 0:00  | 0   |
| 239                  | Seasonal Residence   | Non-Participating    | Venice  | 379329.92                          | 4734937.17 | 0:00  | 0   | 0:00  | 0   |
| 240                  | Seasonal Residence   | Non-Participating    | Venice  | 379279.11                          | 4734959.98 | 0:00  | 0   | 0:00  | 0   |
| 241                  | Seasonal Residence   | Non-Participating    | Venice  | 379272.44                          | 4734970.00 | 0:00  | 0   | 0:00  | 0   |
| 242                  | Seasonal Residence   | Non-Participating    | Venice  | 379256.31                          | 4735014.79 | 0:00  | 0   | 0:00  | 0   |
| 243                  | Seasonal Residence   | Non-Participating    | Venice  | 379278.90                          | 4735079.07 | 0:00  | 0   | 0:00  | 0   |
| 244                  | Seasonal Residence   | Non-Participating    | Venice  | 379245.70                          | 4735116.49 | 0:00  | 0   | 0:00  | 0   |
| 245                  | Seasonal Residence   | Non-Participating    | Venice  | 379232.44                          | 4735134.99 | 0:00  | 0   | 0:00  | 0   |
| 246                  | Year-Round Residence | Non-Participating    | Venice  | 378998.25                          | 4735265.22 | 0:00  | 0   | 0:00  | 0   |
| 247                  | Seasonal Residence   | Non-Participating    | Venice  | 379066.29                          | 4735291.50 | 0:00  | 0   | 0:00  | 0   |
| 248                  | Seasonal Residence   | Non-Participating    | Scipio  | 379089.05                          | 4735348.51 | 0:00  | 0   | 0:00  | 0   |
| 249                  | Seasonal Residence   | Non-Participating    | Scipio  | 379093.32                          | 4735369.67 | 0:00  | 0   | 0:00  | 0   |
| 250                  | Seasonal Residence   | Non-Participating    | Scipio  | 379091.13                          | 4735434.72 | 0:00  | 0   | 0:00  | 0   |
| 251                  | Seasonal Residence   | Non-Participating    | Scipio  | 379086.27                          | 4735473.71 | 0:00  | 0   | 0:00  | 0   |
| 252                  | Seasonal Residence   | Non-Participating    | Scipio  | 379066.93                          | 4735506.50 | 0:00  | 0   | 0:00  | 0   |
| 253                  | Seasonal Residence   | Non-Participating    | Scipio  | 379053.19                          | 4735549.98 | 0:00  | 0   | 0:00  | 0   |
| 254                  | Seasonal Residence   | Non-Participating    | Scipio  | 379015.81                          | 4735615.48 | 0:00  | 0   | 0:00  | 0   |
| 255                  | Seasonal Residence   | Non-Participating    | Scipio  | 379005.35                          | 4735632.30 | 0:00  | 0   | 0:00  | 0   |
| 256                  | Seasonal Residence   | Non-Participating    | Scipio  | 379006.77                          | 4735650.36 | 0:00  | 0   | 0:00  | 0   |
| 257                  | Seasonal Residence   | Non-Participating    | Scipio  | 378968.98                          | 4735711.86 | 0:00  | 0   | 0:00  | 0   |
| 258                  | Seasonal Residence   | Non-Participating    | Scipio  | 378961.50                          | 4735726.01 | 0:00  | 0   | 0:00  | 0   |
| 259                  | Seasonal Residence   | Non-Participating    | Scipio  | 378907.66                          | 4735876.35 | 0:00  | 0   | 0:00  | 0   |
| 260                  | Seasonal Residence   | Non-Participating    | Scipio  | 378578.03                          | 4736475.96 | 0:00  | 0   | 0:00  | 0   |
| 261                  | Seasonal Residence   | Non-Participating    | Scipio  | 378564.57                          | 4736508.17 | 0:00  | 0   | 0:00  | 0   |
| 262                  | Seasonal Residence   | Non-Participating    | Scipio  | 378433.48                          | 4736881.83 | 0:00  | 0   | 0:00  | 0   |
| 263                  | Seasonal Residence   | Non-Participating    | Scipio  | 378162.15                          | 4737337.37 | 0:00  | 0   | 0:00  | 0   |
| 264                  | Seasonal Residence   | Non-Participating    | Scipio  | 377503.52                          | 4737880.95 | 0:00  | 0   | 0:00  | 0   |
| 265                  | Seasonal Residence   | Non-Participating    | Scipio  | 377647.75                          | 4737994.31 | 0:00  | 0   | 0:00  | 0   |
| 266                  | Seasonal Residence   | Non-Participating    | Scipio  | 377676.45                          | 4737936.68 | 0:00  | 0   | 0:00  | 0   |
| 273                  | Year-Round Residence | Non-Participating    | Moravia | 380786.57                          | 4735247.98 | 0:00  | 0   | 0:00  | 0   |
| 290                  | Year-Round Residence | Non-Participating    | Scipio  | 377104.22                          | 4738132.82 | 0:00  | 0   | 0:00  | 0   |
| 292                  | Year-Round Residence | Non-Participating    | Scipio  | 377335.15                          | 4738630.15 | 0:00  | 0   | 0:00  | 0   |
| 293                  | Year-Round Residence | Non-Participating    | Scipio  | 377219.41                          | 4738715.14 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 294                  | Year-Round Residence | Non-Participating    | Scipio | 377195.26                          | 4738763.91 | 0:00  | 0   | 0:00  | 0   |
| 295                  | Seasonal Residence   | Non-Participating    | Scipio | 377164.00                          | 4738840.42 | 0:00  | 0   | 0:00  | 0   |
| 296                  | Year-Round Residence | Non-Participating    | Scipio | 377177.55                          | 4738904.10 | 0:00  | 0   | 0:00  | 0   |
| 297                  | Year-Round Residence | Non-Participating    | Scipio | 377160.07                          | 4738940.39 | 0:00  | 0   | 0:00  | 0   |
| 298                  | Year-Round Residence | Non-Participating    | Scipio | 377166.05                          | 4738988.23 | 0:00  | 0   | 0:00  | 0   |
| 299                  | Year-Round Residence | Non-Participating    | Scipio | 377169.54                          | 4739077.16 | 0:00  | 0   | 0:00  | 0   |
| 300                  | Year-Round Residence | Non-Participating    | Scipio | 377175.12                          | 4739064.71 | 0:00  | 0   | 0:00  | 0   |
| 301                  | Year-Round Residence | Non-Participating    | Scipio | 377145.85                          | 4739092.14 | 0:00  | 0   | 0:00  | 0   |
| 303                  | Year-Round Residence | Non-Participating    | Scipio | 376945.33                          | 4739169.65 | 0:00  | 0   | 0:00  | 0   |
| 304                  | Year-Round Residence | Non-Participating    | Scipio | 376824.82                          | 4739117.06 | 0:00  | 0   | 0:00  | 0   |
| 305                  | Seasonal Residence   | Non-Participating    | Scipio | 376847.02                          | 4739447.58 | 0:00  | 0   | 0:00  | 0   |
| 306                  | Seasonal Residence   | Non-Participating    | Scipio | 376679.79                          | 4739750.41 | 0:00  | 0   | 0:00  | 0   |
| 307                  | Seasonal Residence   | Non-Participating    | Scipio | 376572.43                          | 4739875.57 | 0:00  | 0   | 0:00  | 0   |
| 308                  | Seasonal Residence   | Non-Participating    | Scipio | 376554.38                          | 4739939.48 | 0:00  | 0   | 0:00  | 0   |
| 309                  | Year-Round Residence | Non-Participating    | Scipio | 376540.37                          | 4739966.99 | 0:00  | 0   | 0:00  | 0   |
| 310                  | Seasonal Residence   | Non-Participating    | Scipio | 376518.99                          | 4740028.06 | 0:00  | 0   | 0:00  | 0   |
| 311                  | Seasonal Residence   | Non-Participating    | Scipio | 376445.15                          | 4740100.28 | 0:00  | 0   | 0:00  | 0   |
| 312                  | Year-Round Residence | Non-Participating    | Scipio | 376375.24                          | 4740129.93 | 0:00  | 0   | 0:00  | 0   |
| 313                  | Year-Round Residence | Non-Participating    | Scipio | 376385.70                          | 4740184.22 | 0:00  | 0   | 0:00  | 0   |
| 314                  | Seasonal Residence   | Non-Participating    | Scipio | 376385.76                          | 4740226.00 | 0:00  | 0   | 0:00  | 0   |
| 315                  | Seasonal Residence   | Non-Participating    | Scipio | 376157.52                          | 4740123.48 | 0:00  | 0   | 0:00  | 0   |
| 317                  | Seasonal Residence   | Non-Participating    | Scipio | 376269.90                          | 4740285.20 | 0:00  | 0   | 0:00  | 0   |
| 318                  | Seasonal Residence   | Non-Participating    | Scipio | 376164.74                          | 4740778.68 | 0:00  | 0   | 0:00  | 0   |
| 319                  | Year-Round Residence | Non-Participating    | Scipio | 376019.05                          | 4740932.17 | 0:00  | 0   | 0:00  | 0   |
| 320                  | Year-Round Residence | Non-Participating    | Scipio | 376095.37                          | 4740953.62 | 0:00  | 0   | 0:00  | 0   |
| 321                  | Seasonal Residence   | Non-Participating    | Scipio | 376148.50                          | 4740919.57 | 0:00  | 0   | 0:00  | 0   |
| 322                  | Year-Round Residence | Non-Participating    | Scipio | 375998.14                          | 4740998.68 | 0:00  | 0   | 0:00  | 0   |
| 323                  | Year-Round Residence | Non-Participating    | Scipio | 375317.58                          | 4741086.66 | 0:00  | 0   | 0:00  | 0   |
| 324                  | Year-Round Residence | Non-Participating    | Scipio | 375551.40                          | 4740306.69 | 0:00  | 0   | 0:00  | 0   |
| 325                  | Year-Round Residence | Non-Participating    | Scipio | 375745.99                          | 4740280.88 | 0:00  | 0   | 0:00  | 0   |
| 326                  | Year-Round Residence | Non-Participating    | Scipio | 375781.55                          | 4740220.63 | 0:00  | 0   | 0:00  | 0   |
| 327                  | Year-Round Residence | Non-Participating    | Scipio | 375824.58                          | 4740152.26 | 0:00  | 0   | 0:00  | 0   |
| 328                  | Year-Round Residence | Non-Participating    | Scipio | 375851.51                          | 4740038.78 | 0:00  | 0   | 0:00  | 0   |
| 329                  | Year-Round Residence | Non-Participating    | Scipio | 375771.75                          | 4739989.05 | 0:00  | 0   | 0:00  | 0   |
| 330                  | Year-Round Residence | Non-Participating    | Scipio | 375817.88                          | 4739892.29 | 0:00  | 0   | 0:00  | 0   |
| 331                  | Year-Round Residence | Non-Participating    | Scipio | 375953.83                          | 4739896.63 | 0:00  | 0   | 0:00  | 0   |
| 332                  | Year-Round Residence | Non-Participating    | Scipio | 376022.06                          | 4739951.66 | 0:00  | 0   | 0:00  | 0   |
| 333                  | Year-Round Residence | Non-Participating    | Scipio | 376083.18                          | 4739975.58 | 0:00  | 0   | 0:00  | 0   |
| 334                  | Year-Round Residence | Non-Participating    | Scipio | 376187.86                          | 4739959.44 | 0:00  | 0   | 0:00  | 0   |
| 335                  | Year-Round Residence | Non-Participating    | Scipio | 375998.56                          | 4739764.29 | 0:00  | 0   | 0:00  | 0   |
| 336                  | Year-Round Residence | Non-Participating    | Scipio | 375796.95                          | 4739783.34 | 0:00  | 0   | 0:00  | 0   |
| 337                  | Year-Round Residence | Non-Participating    | Scipio | 376306.15                          | 4739623.74 | 0:00  | 0   | 0:00  | 0   |
| 339                  | Year-Round Residence | Non-Participating    | Scipio | 376332.70                          | 4739141.92 | 0:00  | 0   | 0:00  | 0   |
| 340                  | Year-Round Residence | Non-Participating    | Scipio | 376144.16                          | 4739276.60 | 0:00  | 0   | 0:00  | 0   |
| 341                  | Year-Round Residence | Non-Participating    | Scipio | 376187.31                          | 4739137.02 | 0:00  | 0   | 0:00  | 0   |
| 342                  | Year-Round Residence | Non-Participating    | Scipio | 376227.89                          | 4738899.41 | 0:00  | 0   | 0:00  | 0   |
| 344                  | Year-Round Residence | Non-Participating    | Scipio | 376217.92                          | 4738755.38 | 0:00  | 0   | 0:00  | 0   |
| 345                  | Year-Round Residence | Non-Participating    | Scipio | 376480.22                          | 4738795.14 | 0:00  | 0   | 0:00  | 0   |
| 346                  | Year-Round Residence | Non-Participating    | Scipio | 376514.68                          | 4738715.30 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 347                  | Year-Round Residence | Non-Participating    | Scipio | 376555.71                          | 4738636.79 | 0:00  | 0   | 0:00  | 0   |
| 348                  | Year-Round Residence | Non-Participating    | Scipio | 376655.88                          | 4738748.25 | 0:00  | 0   | 0:00  | 0   |
| 349                  | Year-Round Residence | Non-Participating    | Scipio | 376597.43                          | 4738556.45 | 0:00  | 0   | 0:00  | 0   |
| 350                  | Year-Round Residence | Non-Participating    | Scipio | 376582.31                          | 4738428.14 | 0:00  | 0   | 0:00  | 0   |
| 351                  | Year-Round Residence | Non-Participating    | Scipio | 376547.67                          | 4738460.03 | 0:00  | 0   | 0:00  | 0   |
| 352                  | Year-Round Residence | Non-Participating    | Scipio | 376622.44                          | 4738302.06 | 0:00  | 0   | 0:00  | 0   |
| 353                  | Year-Round Residence | Non-Participating    | Scipio | 376645.33                          | 4738263.85 | 0:00  | 0   | 0:00  | 0   |
| 354                  | Year-Round Residence | Non-Participating    | Scipio | 376509.32                          | 4738158.88 | 0:00  | 0   | 0:00  | 0   |
| 355                  | Year-Round Residence | Non-Participating    | Scipio | 376527.16                          | 4738161.09 | 0:00  | 0   | 0:00  | 0   |
| 356                  | Year-Round Residence | Non-Participating    | Scipio | 376559.13                          | 4738161.21 | 0:00  | 0   | 0:00  | 0   |
| 357                  | Year-Round Residence | Non-Participating    | Scipio | 376588.09                          | 4738155.58 | 0:00  | 0   | 0:00  | 0   |
| 358                  | Year-Round Residence | Non-Participating    | Scipio | 376583.35                          | 4738116.08 | 0:00  | 0   | 0:00  | 0   |
| 359                  | Year-Round Residence | Non-Participating    | Scipio | 376563.83                          | 4738121.53 | 0:00  | 0   | 0:00  | 0   |
| 360                  | Year-Round Residence | Non-Participating    | Scipio | 376518.42                          | 4738121.29 | 0:00  | 0   | 0:00  | 0   |
| 361                  | Year-Round Residence | Non-Participating    | Scipio | 376515.96                          | 4738106.08 | 0:00  | 0   | 0:00  | 0   |
| 362                  | Year-Round Residence | Non-Participating    | Scipio | 376535.16                          | 4738084.29 | 0:00  | 0   | 0:00  | 0   |
| 363                  | Year-Round Residence | Non-Participating    | Scipio | 376564.58                          | 4738102.99 | 0:00  | 0   | 0:00  | 0   |
| 364                  | Year-Round Residence | Non-Participating    | Scipio | 376578.37                          | 4738083.11 | 0:00  | 0   | 0:00  | 0   |
| 365                  | Year-Round Residence | Non-Participating    | Scipio | 376601.14                          | 4738096.49 | 0:00  | 0   | 0:00  | 0   |
| 366                  | Year-Round Residence | Non-Participating    | Scipio | 376613.55                          | 4738080.27 | 0:00  | 0   | 0:00  | 0   |
| 367                  | Year-Round Residence | Non-Participating    | Scipio | 376636.08                          | 4738119.45 | 0:00  | 0   | 0:00  | 0   |
| 368                  | Year-Round Residence | Non-Participating    | Scipio | 376645.52                          | 4738099.65 | 0:00  | 0   | 0:00  | 0   |
| 369                  | Year-Round Residence | Non-Participating    | Scipio | 376653.23                          | 4738084.61 | 0:00  | 0   | 0:00  | 0   |
| 370                  | Year-Round Residence | Non-Participating    | Scipio | 376682.48                          | 4738113.85 | 0:00  | 0   | 0:00  | 0   |
| 371                  | Year-Round Residence | Non-Participating    | Scipio | 376682.37                          | 4738088.79 | 0:00  | 0   | 0:00  | 0   |
| 372                  | Year-Round Residence | Non-Participating    | Scipio | 376700.87                          | 4738087.35 | 0:00  | 0   | 0:00  | 0   |
| 374                  | Year-Round Residence | Non-Participating    | Scipio | 377002.88                          | 4738376.40 | 0:00  | 0   | 0:00  | 0   |
| 375                  | Year-Round Residence | Non-Participating    | Scipio | 376982.55                          | 4738420.26 | 0:00  | 0   | 0:00  | 0   |
| 380                  | Year-Round Residence | Non-Participating    | Scipio | 376806.33                          | 4737996.74 | 0:00  | 0   | 0:00  | 0   |
| 381                  | Year-Round Residence | Non-Participating    | Scipio | 377037.53                          | 4737734.48 | 0:00  | 0   | 0:00  | 0   |
| 382                  | Year-Round Residence | Non-Participating    | Scipio | 377249.06                          | 4737372.69 | 0:00  | 0   | 0:00  | 0   |
| 385                  | Year-Round Residence | Non-Participating    | Scipio | 377404.36                          | 4737266.61 | 0:00  | 0   | 0:00  | 0   |
| 386                  | Year-Round Residence | Non-Participating    | Scipio | 377459.07                          | 4737181.30 | 0:00  | 0   | 0:00  | 0   |
| 387                  | Year-Round Residence | Non-Participating    | Scipio | 377706.61                          | 4736919.10 | 0:00  | 0   | 0:00  | 0   |
| 388                  | Year-Round Residence | Non-Participating    | Scipio | 377700.41                          | 4736801.52 | 0:00  | 0   | 0:00  | 0   |
| 389                  | Year-Round Residence | Non-Participating    | Scipio | 377741.56                          | 4736884.30 | 0:00  | 0   | 0:00  | 0   |
| 390                  | Year-Round Residence | Non-Participating    | Scipio | 377779.16                          | 4736855.26 | 0:00  | 0   | 0:00  | 0   |
| 391                  | Year-Round Residence | Non-Participating    | Scipio | 377839.18                          | 4736763.32 | 0:00  | 0   | 0:00  | 0   |
| 392                  | Year-Round Residence | Non-Participating    | Scipio | 377723.23                          | 4736565.70 | 0:00  | 0   | 0:00  | 0   |
| 393                  | Year-Round Residence | Non-Participating    | Scipio | 377732.21                          | 4736637.82 | 0:00  | 0   | 0:00  | 0   |
| 394                  | Year-Round Residence | Non-Participating    | Scipio | 377970.65                          | 4736567.96 | 0:00  | 0   | 0:00  | 0   |
| 395                  | Year-Round Residence | Non-Participating    | Scipio | 378002.63                          | 4736510.69 | 0:00  | 0   | 0:00  | 0   |
| 396                  | Year-Round Residence | Non-Participating    | Scipio | 378238.68                          | 4736371.12 | 0:00  | 0   | 0:00  | 0   |
| 397                  | Year-Round Residence | Non-Participating    | Scipio | 378107.18                          | 4736371.41 | 0:00  | 0   | 0:00  | 0   |
| 398                  | Year-Round Residence | Non-Participating    | Scipio | 378297.18                          | 4736294.83 | 0:00  | 0   | 0:00  | 0   |
| 399                  | Year-Round Residence | Non-Participating    | Scipio | 378365.66                          | 4736207.82 | 0:00  | 0   | 0:00  | 0   |
| 400                  | Year-Round Residence | Non-Participating    | Scipio | 378401.71                          | 4736134.85 | 0:00  | 0   | 0:00  | 0   |
| 407                  | Year-Round Residence | Non-Participating    | Venice | 379418.44                          | 4734636.13 | 0:00  | 0   | 0:00  | 0   |
| 410                  | Year-Round Residence | Non-Participating    | Venice | 378806.44                          | 4735300.44 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 419                  | Year-Round Residence | Non-Participating    | Scipio | 377756.08                          | 4735780.44 | 0:00  | 0   | 0:00  | 0   |
| 420                  | Year-Round Residence | Non-Participating    | Scipio | 377834.28                          | 4735863.24 | 0:00  | 0   | 0:00  | 0   |
| 421                  | Year-Round Residence | Non-Participating    | Scipio | 377758.62                          | 4736032.13 | 0:00  | 0   | 0:00  | 0   |
| 422                  | Year-Round Residence | Non-Participating    | Scipio | 377760.75                          | 4736126.17 | 0:00  | 0   | 0:00  | 0   |
| 424                  | Year-Round Residence | Non-Participating    | Scipio | 378029.39                          | 4736175.93 | 0:00  | 0   | 0:00  | 0   |
| 427                  | Year-Round Residence | Non-Participating    | Scipio | 377777.78                          | 4736336.91 | 0:00  | 0   | 0:00  | 0   |
| 428                  | Year-Round Residence | Non-Participating    | Scipio | 377681.32                          | 4736423.36 | 0:00  | 0   | 0:00  | 0   |
| 429                  | Year-Round Residence | Non-Participating    | Scipio | 377760.24                          | 4736466.92 | 0:00  | 0   | 0:00  | 0   |
| 430                  | Year-Round Residence | Non-Participating    | Scipio | 377511.27                          | 4736420.74 | 0:00  | 0   | 0:00  | 0   |
| 431                  | Year-Round Residence | Non-Participating    | Scipio | 374961.46                          | 4741178.49 | 0:00  | 0   | 0:00  | 0   |
| 432                  | Year-Round Residence | Non-Participating    | Scipio | 374810.39                          | 4741083.13 | 0:00  | 0   | 0:00  | 0   |
| 433                  | Year-Round Residence | Non-Participating    | Scipio | 375180.48                          | 4741204.45 | 0:00  | 0   | 0:00  | 0   |
| 434                  | Year-Round Residence | Non-Participating    | Scipio | 374822.08                          | 4740951.58 | 0:00  | 0   | 0:00  | 0   |
| 435                  | Year-Round Residence | Non-Participating    | Scipio | 374823.36                          | 4740864.54 | 0:00  | 0   | 0:00  | 0   |
| 436                  | Year-Round Residence | Non-Participating    | Scipio | 374889.05                          | 4740745.61 | 0:00  | 0   | 0:00  | 0   |
| 438                  | Year-Round Residence | Non-Participating    | Scipio | 374822.90                          | 4740511.45 | 0:00  | 0   | 0:00  | 0   |
| 439                  | Year-Round Residence | Non-Participating    | Scipio | 374933.80                          | 4740458.88 | 0:00  | 0   | 0:00  | 0   |
| 440                  | Year-Round Residence | Non-Participating    | Scipio | 374890.23                          | 4740286.05 | 0:00  | 0   | 0:00  | 0   |
| 441                  | Year-Round Residence | Non-Participating    | Scipio | 374900.82                          | 4740231.00 | 0:00  | 0   | 0:00  | 0   |
| 442                  | Year-Round Residence | Non-Participating    | Scipio | 374861.06                          | 4739699.92 | 0:00  | 0   | 0:00  | 0   |
| 443                  | Year-Round Residence | Non-Participating    | Scipio | 374856.91                          | 4739807.89 | 0:00  | 0   | 0:00  | 0   |
| 446                  | Year-Round Residence | Non-Participating    | Scipio | 374859.13                          | 4739577.90 | 0:00  | 0   | 0:00  | 0   |
| 447                  | Year-Round Residence | Non-Participating    | Scipio | 375675.13                          | 4739496.33 | 0:00  | 0   | 0:00  | 0   |
| 448                  | Year-Round Residence | Non-Participating    | Scipio | 375826.88                          | 4739477.02 | 0:00  | 0   | 0:00  | 0   |
| 449                  | Year-Round Residence | Non-Participating    | Scipio | 374916.41                          | 4739293.75 | 0:00  | 0   | 0:00  | 0   |
| 450                  | Year-Round Residence | Non-Participating    | Scipio | 374858.13                          | 4739212.54 | 0:00  | 0   | 0:00  | 0   |
| 451                  | Year-Round Residence | Non-Participating    | Scipio | 374928.64                          | 4739158.84 | 0:00  | 0   | 0:00  | 0   |
| 453                  | Year-Round Residence | Non-Participating    | Scipio | 374934.50                          | 4739006.89 | 0:00  | 0   | 0:00  | 0   |
| 454                  | Year-Round Residence | Non-Participating    | Scipio | 374855.79                          | 4738703.58 | 0:00  | 0   | 0:00  | 0   |
| 455                  | Year-Round Residence | Non-Participating    | Scipio | 374956.18                          | 4738671.91 | 0:00  | 0   | 0:00  | 0   |
| 456                  | Year-Round Residence | Non-Participating    | Scipio | 374892.50                          | 4738549.60 | 0:00  | 0   | 0:00  | 0   |
| 457                  | Year-Round Residence | Non-Participating    | Scipio | 374960.28                          | 4738619.16 | 0:00  | 0   | 0:00  | 0   |
| 459                  | Year-Round Residence | Non-Participating    | Scipio | 374808.65                          | 4738437.47 | 0:00  | 0   | 0:00  | 0   |
| 460                  | Year-Round Residence | Non-Participating    | Scipio | 374885.54                          | 4738372.82 | 0:00  | 0   | 0:00  | 0   |
| 461                  | Year-Round Residence | Non-Participating    | Scipio | 375098.61                          | 4738363.73 | 0:00  | 0   | 0:00  | 0   |
| 462                  | Year-Round Residence | Non-Participating    | Scipio | 374900.17                          | 4738281.00 | 0:00  | 0   | 0:00  | 0   |
| 464                  | Year-Round Residence | Non-Participating    | Scipio | 374732.66                          | 4738243.73 | 0:00  | 0   | 0:00  | 0   |
| 476                  | Year-Round Residence | Non-Participating    | Scipio | 376236.43                          | 4738096.80 | 0:00  | 0   | 0:00  | 0   |
| 503                  | Year-Round Residence | Non-Participating    | Scipio | 377399.08                          | 4735755.26 | 0:00  | 0   | 0:00  | 0   |
| 511                  | Year-Round Residence | Non-Participating    | Venice | 377390.89                          | 4734710.21 | 0:00  | 0   | 0:00  | 0   |
| 513                  | Year-Round Residence | Non-Participating    | Venice | 377662.14                          | 4734568.90 | 0:00  | 0   | 0:00  | 0   |
| 514                  | Year-Round Residence | Non-Participating    | Venice | 377842.22                          | 4734505.58 | 0:00  | 0   | 0:00  | 0   |
| 515                  | Year-Round Residence | Non-Participating    | Venice | 377718.11                          | 4734473.76 | 0:00  | 0   | 0:00  | 0   |
| 531                  | Year-Round Residence | Non-Participating    | Venice | 379218.26                          | 4732840.73 | 0:00  | 0   | 0:00  | 0   |
| 532                  | Year-Round Residence | Non-Participating    | Venice | 379327.75                          | 4732577.12 | 0:00  | 0   | 0:00  | 0   |
| 533                  | Year-Round Residence | Non-Participating    | Venice | 379283.30                          | 4732667.32 | 0:00  | 0   | 0:00  | 0   |
| 534                  | Year-Round Residence | Non-Participating    | Venice | 379403.04                          | 4732407.89 | 0:00  | 0   | 0:00  | 0   |
| 535                  | Year-Round Residence | Non-Participating    | Venice | 379258.15                          | 4732468.73 | 0:00  | 0   | 0:00  | 0   |
| 536                  | Year-Round Residence | Non-Participating    | Venice | 379094.69                          | 4732411.13 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town    | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|---------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |         | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 537                  | Year-Round Residence | Non-Participating    | Venice  | 379363.95                          | 4732280.39 | 0:00  | 0   | 0:00  | 0   |
| 538                  | Year-Round Residence | Non-Participating    | Venice  | 379480.39                          | 4732193.56 | 0:00  | 0   | 0:00  | 0   |
| 539                  | Year-Round Residence | Non-Participating    | Venice  | 379546.67                          | 4732144.37 | 0:00  | 0   | 0:00  | 0   |
| 540                  | Year-Round Residence | Non-Participating    | Venice  | 379419.37                          | 4732232.85 | 0:00  | 0   | 0:00  | 0   |
| 541                  | Year-Round Residence | Non-Participating    | Venice  | 379820.43                          | 4731962.69 | 0:00  | 0   | 0:00  | 0   |
| 542                  | Year-Round Residence | Non-Participating    | Venice  | 379695.95                          | 4732085.63 | 0:00  | 0   | 0:00  | 0   |
| 543                  | Year-Round Residence | Non-Participating    | Venice  | 379609.23                          | 4732090.52 | 0:00  | 0   | 0:00  | 0   |
| 544                  | Year-Round Residence | Non-Participating    | Venice  | 379945.84                          | 4731793.24 | 0:00  | 0   | 0:00  | 0   |
| 545                  | Year-Round Residence | Non-Participating    | Venice  | 379981.26                          | 4731686.87 | 0:00  | 0   | 0:00  | 0   |
| 546                  | Year-Round Residence | Non-Participating    | Moravia | 380117.58                          | 4731672.32 | 0:00  | 0   | 0:00  | 0   |
| 547                  | Year-Round Residence | Non-Participating    | Venice  | 380038.60                          | 4731625.49 | 0:00  | 0   | 0:00  | 0   |
| 548                  | Year-Round Residence | Non-Participating    | Moravia | 380253.21                          | 4731640.72 | 0:00  | 0   | 0:00  | 0   |
| 549                  | Year-Round Residence | Non-Participating    | Venice  | 380049.66                          | 4731556.63 | 0:00  | 0   | 0:00  | 0   |
| 550                  | Year-Round Residence | Non-Participating    | Moravia | 380327.64                          | 4731638.96 | 0:00  | 0   | 0:00  | 0   |
| 551                  | Year-Round Residence | Non-Participating    | Moravia | 380387.17                          | 4731622.60 | 0:00  | 0   | 0:00  | 0   |
| 552                  | Year-Round Residence | Non-Participating    | Moravia | 380517.73                          | 4731579.93 | 0:00  | 0   | 0:00  | 0   |
| 553                  | Year-Round Residence | Non-Participating    | Moravia | 380384.41                          | 4731512.45 | 0:00  | 0   | 0:00  | 0   |
| 557                  | Year-Round Residence | Non-Participating    | Venice  | 380052.09                          | 4731414.91 | 0:00  | 0   | 0:00  | 0   |
| 558                  | Year-Round Residence | Non-Participating    | Moravia | 380171.99                          | 4731107.26 | 0:00  | 0   | 0:00  | 0   |
| 559                  | Year-Round Residence | Non-Participating    | Venice  | 380051.70                          | 4731077.43 | 0:00  | 0   | 0:00  | 0   |
| 560                  | Year-Round Residence | Non-Participating    | Venice  | 380070.41                          | 4731133.11 | 0:00  | 0   | 0:00  | 0   |
| 563                  | Year-Round Residence | Non-Participating    | Moravia | 380148.32                          | 4730987.36 | 0:00  | 0   | 0:00  | 0   |
| 564                  | Year-Round Residence | Non-Participating    | Venice  | 380074.55                          | 4730966.22 | 0:00  | 0   | 0:00  | 0   |
| 565                  | Year-Round Residence | Non-Participating    | Venice  | 380050.06                          | 4730919.46 | 0:00  | 0   | 0:00  | 0   |
| 566                  | Year-Round Residence | Non-Participating    | Venice  | 380080.01                          | 4730850.60 | 0:00  | 0   | 0:00  | 0   |
| 567                  | Year-Round Residence | Non-Participating    | Moravia | 380139.31                          | 4730933.04 | 0:00  | 0   | 0:00  | 0   |
| 568                  | Year-Round Residence | Non-Participating    | Moravia | 380156.81                          | 4730878.23 | 0:00  | 0   | 0:00  | 0   |
| 569                  | Year-Round Residence | Non-Participating    | Venice  | 379948.14                          | 4730792.05 | 0:00  | 0   | 0:00  | 0   |
| 570                  | Year-Round Residence | Non-Participating    | Venice  | 380088.55                          | 4730725.12 | 0:00  | 0   | 0:00  | 0   |
| 571                  | Year-Round Residence | Non-Participating    | Venice  | 380077.94                          | 4730779.08 | 0:00  | 0   | 0:00  | 0   |
| 572                  | Year-Round Residence | Non-Participating    | Venice  | 380089.15                          | 4730505.34 | 0:00  | 0   | 0:00  | 0   |
| 594                  | Year-Round Residence | Non-Participating    | Venice  | 377961.92                          | 4732858.30 | 0:00  | 0   | 0:00  | 0   |
| 595                  | Year-Round Residence | Non-Participating    | Venice  | 378031.81                          | 4732844.29 | 0:00  | 0   | 0:00  | 0   |
| 596                  | Year-Round Residence | Non-Participating    | Venice  | 378092.86                          | 4732816.17 | 0:00  | 0   | 0:00  | 0   |
| 597                  | Year-Round Residence | Non-Participating    | Venice  | 378140.29                          | 4732840.04 | 0:00  | 0   | 0:00  | 0   |
| 598                  | Year-Round Residence | Non-Participating    | Venice  | 378195.62                          | 4732811.70 | 0:00  | 0   | 0:00  | 0   |
| 601                  | Year-Round Residence | Non-Participating    | Venice  | 378290.06                          | 4732938.80 | 0:00  | 0   | 0:00  | 0   |
| 604                  | Year-Round Residence | Non-Participating    | Venice  | 378503.69                          | 4732549.76 | 0:00  | 0   | 0:00  | 0   |
| 605                  | Year-Round Residence | Non-Participating    | Venice  | 378964.73                          | 4732608.41 | 0:00  | 0   | 0:00  | 0   |
| 618                  | Year-Round Residence | Non-Participating    | Venice  | 378481.17                          | 4731753.74 | 0:00  | 0   | 0:00  | 0   |
| 620                  | Year-Round Residence | Non-Participating    | Venice  | 379402.21                          | 4731828.34 | 0:00  | 0   | 0:00  | 0   |
| 621                  | Year-Round Residence | Non-Participating    | Venice  | 379019.02                          | 4731232.57 | 0:00  | 0   | 0:00  | 0   |
| 622                  | Year-Round Residence | Non-Participating    | Venice  | 379056.17                          | 4731120.91 | 0:00  | 0   | 0:00  | 0   |
| 623                  | Year-Round Residence | Non-Participating    | Venice  | 379112.86                          | 4730897.01 | 0:00  | 0   | 0:00  | 0   |
| 626                  | Year-Round Residence | Non-Participating    | Venice  | 379025.01                          | 4730721.60 | 0:00  | 0   | 0:00  | 0   |
| 627                  | Year-Round Residence | Non-Participating    | Venice  | 379069.55                          | 4730120.77 | 0:00  | 0   | 0:00  | 0   |
| 628                  | Year-Round Residence | Non-Participating    | Venice  | 379238.06                          | 4730068.39 | 0:00  | 0   | 0:00  | 0   |
| 629                  | Year-Round Residence | Non-Participating    | Venice  | 379308.52                          | 4730145.22 | 0:00  | 0   | 0:00  | 0   |
| 630                  | Year-Round Residence | Non-Participating    | Venice  | 379177.59                          | 4730063.69 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 636                  | Year-Round Residence | Non-Participating    | Venice | 377111.10                          | 4730900.97 | 0:00  | 0   | 0:00  | 0   |
| 638                  | Year-Round Residence | Non-Participating    | Venice | 377187.78                          | 4730473.68 | 0:00  | 0   | 0:00  | 0   |
| 639                  | Year-Round Residence | Non-Participating    | Venice | 377177.56                          | 4730583.35 | 0:00  | 0   | 0:00  | 0   |
| 645                  | Year-Round Residence | Non-Participating    | Venice | 377209.87                          | 4730089.36 | 0:00  | 0   | 0:00  | 0   |
| 648                  | Year-Round Residence | Non-Participating    | Venice | 378158.82                          | 4730088.50 | 0:00  | 0   | 0:00  | 0   |
| 651                  | Year-Round Residence | Non-Participating    | Venice | 378627.37                          | 4730467.53 | 0:00  | 0   | 0:00  | 0   |
| 652                  | Year-Round Residence | Non-Participating    | Venice | 378627.90                          | 4730413.63 | 0:00  | 0   | 0:00  | 0   |
| 653                  | Year-Round Residence | Non-Participating    | Venice | 378625.27                          | 4730355.69 | 0:00  | 0   | 0:00  | 0   |
| 654                  | Year-Round Residence | Non-Participating    | Venice | 378625.42                          | 4730281.78 | 0:00  | 0   | 0:00  | 0   |
| 655                  | Year-Round Residence | Non-Participating    | Venice | 378622.63                          | 4730187.39 | 0:00  | 0   | 0:00  | 0   |
| 656                  | Year-Round Residence | Non-Participating    | Venice | 378620.09                          | 4730134.07 | 0:00  | 0   | 0:00  | 0   |
| 657                  | Year-Round Residence | Non-Participating    | Venice | 378886.27                          | 4730123.94 | 0:00  | 0   | 0:00  | 0   |
| 658                  | Year-Round Residence | Non-Participating    | Venice | 378710.66                          | 4730010.22 | 0:00  | 0   | 0:00  | 0   |
| 659                  | Year-Round Residence | Non-Participating    | Venice | 378199.52                          | 4729189.92 | 0:00  | 0   | 0:00  | 0   |
| 664                  | Year-Round Residence | Non-Participating    | Venice | 377189.15                          | 4729884.45 | 0:00  | 0   | 0:00  | 0   |
| 670                  | Year-Round Residence | Non-Participating    | Venice | 377145.68                          | 4729609.03 | 0:00  | 0   | 0:00  | 0   |
| 671                  | Year-Round Residence | Non-Participating    | Venice | 377136.49                          | 4729219.93 | 0:00  | 0   | 0:00  | 0   |
| 672                  | Year-Round Residence | Non-Participating    | Scipio | 373751.33                          | 4740767.95 | 0:00  | 0   | 0:00  | 0   |
| 673                  | Year-Round Residence | Non-Participating    | Scipio | 373593.96                          | 4740365.45 | 0:00  | 0   | 0:00  | 0   |
| 674                  | Year-Round Residence | Non-Participating    | Scipio | 374002.17                          | 4739615.65 | 0:00  | 0   | 0:00  | 0   |
| 675                  | Year-Round Residence | Non-Participating    | Scipio | 373772.19                          | 4739547.63 | 0:00  | 0   | 0:00  | 0   |
| 676                  | Year-Round Residence | Non-Participating    | Scipio | 374237.87                          | 4739548.19 | 0:00  | 0   | 0:00  | 0   |
| 677                  | Year-Round Residence | Non-Participating    | Scipio | 374192.31                          | 4739616.21 | 0:00  | 0   | 0:00  | 0   |
| 679                  | Year-Round Residence | Non-Participating    | Scipio | 374559.59                          | 4739622.40 | 0:00  | 0   | 0:00  | 0   |
| 680                  | Year-Round Residence | Non-Participating    | Scipio | 374593.28                          | 4739619.01 | 0:00  | 0   | 0:00  | 0   |
| 682                  | Year-Round Residence | Non-Participating    | Scipio | 372382.31                          | 4740812.30 | 0:00  | 0   | 0:00  | 0   |
| 686                  | Year-Round Residence | Non-Participating    | Scipio | 372485.00                          | 4739857.00 | 0:00  | 0   | 0:00  | 0   |
| 690                  | Year-Round Residence | Non-Participating    | Scipio | 372583.11                          | 4739578.92 | 0:00  | 0   | 0:00  | 0   |
| 691                  | Year-Round Residence | Non-Participating    | Scipio | 372375.07                          | 4739560.78 | 0:00  | 0   | 0:00  | 0   |
| 692                  | Year-Round Residence | Non-Participating    | Scipio | 372416.23                          | 4739551.40 | 0:00  | 0   | 0:00  | 0   |
| 696                  | Year-Round Residence | Non-Participating    | Scipio | 373521.24                          | 4739591.61 | 0:00  | 0   | 0:00  | 0   |
| 697                  | Year-Round Residence | Non-Participating    | Scipio | 373478.20                          | 4739592.76 | 0:00  | 0   | 0:00  | 0   |
| 704                  | Year-Round Residence | Non-Participating    | Scipio | 372493.88                          | 4739258.69 | 0:00  | 0   | 0:00  | 0   |
| 706                  | Year-Round Residence | Non-Participating    | Scipio | 372428.89                          | 4739083.59 | 0:00  | 0   | 0:00  | 0   |
| 707                  | Year-Round Residence | Non-Participating    | Scipio | 372523.75                          | 4738792.38 | 0:00  | 0   | 0:00  | 0   |
| 712                  | Year-Round Residence | Non-Participating    | Scipio | 372511.71                          | 4738311.56 | 0:00  | 0   | 0:00  | 0   |
| 713                  | Year-Round Residence | Non-Participating    | Scipio | 372513.14                          | 4738267.39 | 0:00  | 0   | 0:00  | 0   |
| 714                  | Year-Round Residence | Non-Participating    | Scipio | 372515.61                          | 4738212.16 | 0:00  | 0   | 0:00  | 0   |
| 715                  | Year-Round Residence | Non-Participating    | Scipio | 372516.13                          | 4738186.32 | 0:00  | 0   | 0:00  | 0   |
| 716                  | Year-Round Residence | Non-Participating    | Scipio | 372511.99                          | 4738126.20 | 0:00  | 0   | 0:00  | 0   |
| 719                  | Year-Round Residence | Non-Participating    | Scipio | 372431.11                          | 4738039.69 | 0:00  | 0   | 0:00  | 0   |
| 723                  | Year-Round Residence | Non-Participating    | Scipio | 372450.31                          | 4737940.26 | 0:00  | 0   | 0:00  | 0   |
| 724                  | Year-Round Residence | Non-Participating    | Scipio | 372469.28                          | 4737922.09 | 0:00  | 0   | 0:00  | 0   |
| 725                  | Year-Round Residence | Non-Participating    | Scipio | 372578.41                          | 4737936.85 | 0:00  | 0   | 0:00  | 0   |
| 726                  | Year-Round Residence | Non-Participating    | Scipio | 372520.46                          | 4737989.60 | 0:00  | 0   | 0:00  | 0   |
| 727                  | Year-Round Residence | Non-Participating    | Scipio | 372634.62                          | 4737938.55 | 0:00  | 0   | 0:00  | 0   |
| 728                  | Year-Round Residence | Non-Participating    | Scipio | 372612.28                          | 4737937.47 | 0:00  | 0   | 0:00  | 0   |
| 729                  | Year-Round Residence | Non-Participating    | Scipio | 372639.18                          | 4737994.15 | 0:00  | 0   | 0:00  | 0   |
| 733                  | Year-Round Residence | Non-Participating    | Scipio | 372686.52                          | 4737991.00 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 734                  | Year-Round Residence | Non-Participating    | Scipio | 372677.87                          | 4737930.72 | 0:00  | 0   | 0:00  | 0   |
| 735                  | Year-Round Residence | Non-Participating    | Scipio | 372721.40                          | 4737938.18 | 0:00  | 0   | 0:00  | 0   |
| 736                  | Year-Round Residence | Non-Participating    | Scipio | 372760.56                          | 4737993.37 | 0:00  | 0   | 0:00  | 0   |
| 737                  | Year-Round Residence | Non-Participating    | Scipio | 372830.88                          | 4737998.57 | 0:00  | 0   | 0:00  | 0   |
| 739                  | Year-Round Residence | Non-Participating    | Scipio | 372838.18                          | 4737933.23 | 0:00  | 0   | 0:00  | 0   |
| 741                  | Year-Round Residence | Non-Participating    | Scipio | 372914.97                          | 4737988.72 | 0:00  | 0   | 0:00  | 0   |
| 742                  | Year-Round Residence | Non-Participating    | Scipio | 372889.15                          | 4737936.03 | 0:00  | 0   | 0:00  | 0   |
| 763                  | Year-Round Residence | Non-Participating    | Scipio | 372458.81                          | 4737892.80 | 0:00  | 0   | 0:00  | 0   |
| 764                  | Year-Round Residence | Non-Participating    | Scipio | 372520.83                          | 4737814.92 | 0:00  | 0   | 0:00  | 0   |
| 765                  | Year-Round Residence | Non-Participating    | Scipio | 372465.00                          | 4737846.83 | 0:00  | 0   | 0:00  | 0   |
| 769                  | Year-Round Residence | Non-Participating    | Scipio | 372476.22                          | 4737763.30 | 0:00  | 0   | 0:00  | 0   |
| 770                  | Year-Round Residence | Non-Participating    | Scipio | 372473.50                          | 4737712.43 | 0:00  | 0   | 0:00  | 0   |
| 771                  | Year-Round Residence | Non-Participating    | Scipio | 372527.93                          | 4737734.99 | 0:00  | 0   | 0:00  | 0   |
| 789                  | Year-Round Residence | Non-Participating    | Scipio | 372538.19                          | 4735839.04 | 0:00  | 0   | 0:00  | 0   |
| 791                  | Year-Round Residence | Non-Participating    | Scipio | 373074.74                          | 4735843.27 | 0:00  | 0   | 0:00  | 0   |
| 826                  | Year-Round Residence | Non-Participating    | Venice | 375925.93                          | 4733038.83 | 0:00  | 0   | 0:00  | 0   |
| 853                  | Year-Round Residence | Non-Participating    | Venice | 375705.30                          | 4730990.51 | 0:00  | 0   | 0:00  | 0   |
| 854                  | Year-Round Residence | Non-Participating    | Venice | 375779.95                          | 4730574.81 | 0:00  | 0   | 0:00  | 0   |
| 855                  | Year-Round Residence | Non-Participating    | Venice | 376137.98                          | 4730055.92 | 0:00  | 0   | 0:00  | 0   |
| 859                  | Year-Round Residence | Non-Participating    | Venice | 375827.90                          | 4729868.11 | 0:00  | 0   | 0:00  | 0   |
| 860                  | Year-Round Residence | Non-Participating    | Venice | 376084.55                          | 4729222.10 | 0:00  | 0   | 0:00  | 0   |
| 861                  | Year-Round Residence | Non-Participating    | Venice | 376139.57                          | 4728867.53 | 0:00  | 0   | 0:00  | 0   |
| 863                  | Year-Round Residence | Non-Participating    | Venice | 376187.16                          | 4728523.95 | 0:00  | 0   | 0:00  | 0   |
| 864                  | Year-Round Residence | Non-Participating    | Venice | 376134.79                          | 4728559.72 | 0:00  | 0   | 0:00  | 0   |
| 866                  | Year-Round Residence | Non-Participating    | Venice | 376094.75                          | 4728297.67 | 0:00  | 0   | 0:00  | 0   |
| 891                  | Year-Round Residence | Non-Participating    | Venice | 372597.84                          | 4733085.32 | 0:00  | 0   | 0:00  | 0   |
| 893                  | Year-Round Residence | Non-Participating    | Venice | 372639.17                          | 4733091.16 | 0:00  | 0   | 0:00  | 0   |
| 894                  | Year-Round Residence | Non-Participating    | Venice | 372643.58                          | 4733067.49 | 0:00  | 0   | 0:00  | 0   |
| 895                  | Year-Round Residence | Non-Participating    | Venice | 372669.08                          | 4732993.39 | 0:00  | 0   | 0:00  | 0   |
| 898                  | Year-Round Residence | Non-Participating    | Venice | 372837.34                          | 4732902.14 | 0:00  | 0   | 0:00  | 0   |
| 909                  | Year-Round Residence | Non-Participating    | Venice | 374416.57                          | 4732998.69 | 0:00  | 0   | 0:00  | 0   |
| 910                  | Year-Round Residence | Non-Participating    | Venice | 374428.35                          | 4733016.38 | 0:00  | 0   | 0:00  | 0   |
| 930                  | Year-Round Residence | Non-Participating    | Venice | 373553.30                          | 4731613.11 | 0:00  | 0   | 0:00  | 0   |
| 946                  | Year-Round Residence | Non-Participating    | Venice | 373281.23                          | 4730707.63 | 0:00  | 0   | 0:00  | 0   |
| 949                  | Year-Round Residence | Non-Participating    | Venice | 373454.13                          | 4730339.13 | 0:00  | 0   | 0:00  | 0   |
| 950                  | Year-Round Residence | Non-Participating    | Venice | 373513.16                          | 4730245.92 | 0:00  | 0   | 0:00  | 0   |
| 958                  | Year-Round Residence | Non-Participating    | Venice | 373427.79                          | 4730045.06 | 0:00  | 0   | 0:00  | 0   |
| 959                  | Year-Round Residence | Non-Participating    | Venice | 373764.55                          | 4730062.23 | 0:00  | 0   | 0:00  | 0   |
| 960                  | Year-Round Residence | Non-Participating    | Venice | 373644.54                          | 4729935.02 | 0:00  | 0   | 0:00  | 0   |
| 961                  | Year-Round Residence | Non-Participating    | Venice | 373763.67                          | 4729799.06 | 0:00  | 0   | 0:00  | 0   |
| 962                  | Year-Round Residence | Non-Participating    | Venice | 373813.04                          | 4729475.92 | 0:00  | 0   | 0:00  | 0   |
| 966                  | Year-Round Residence | Non-Participating    | Venice | 374049.59                          | 4728848.78 | 0:00  | 0   | 0:00  | 0   |
| 967                  | Year-Round Residence | Non-Participating    | Venice | 374010.11                          | 4728714.02 | 0:00  | 0   | 0:00  | 0   |
| 973                  | Year-Round Residence | Non-Participating    | Venice | 374147.12                          | 4728456.35 | 0:00  | 0   | 0:00  | 0   |
| 975                  | Year-Round Residence | Non-Participating    | Venice | 374427.97                          | 4728254.59 | 0:00  | 0   | 0:00  | 0   |
| 976                  | Year-Round Residence | Non-Participating    | Venice | 374499.57                          | 4727588.59 | 0:00  | 0   | 0:00  | 0   |
| 977                  | Year-Round Residence | Non-Participating    | Venice | 374528.05                          | 4727540.76 | 0:00  | 0   | 0:00  | 0   |
| 978                  | Year-Round Residence | Non-Participating    | Venice | 374410.04                          | 4727545.45 | 0:00  | 0   | 0:00  | 0   |
| 979                  | Year-Round Residence | Non-Participating    | Venice | 374456.43                          | 4727447.51 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 985                  | Year-Round Residence | Non-Participating    | Venice | 374677.55                          | 4727550.41 | 0:00  | 0   | 0:00  | 0   |
| 986                  | Year-Round Residence | Non-Participating    | Venice | 374593.06                          | 4727546.59 | 0:00  | 0   | 0:00  | 0   |
| 987                  | Year-Round Residence | Non-Participating    | Venice | 374724.84                          | 4727671.09 | 0:00  | 0   | 0:00  | 0   |
| 989                  | Year-Round Residence | Non-Participating    | Scipio | 370635.99                          | 4740556.00 | 0:00  | 0   | 0:00  | 0   |
| 990                  | Year-Round Residence | Non-Participating    | Scipio | 370698.10                          | 4740558.67 | 0:00  | 0   | 0:00  | 0   |
| 991                  | Year-Round Residence | Non-Participating    | Scipio | 370628.23                          | 4740466.57 | 0:00  | 0   | 0:00  | 0   |
| 992                  | Year-Round Residence | Non-Participating    | Scipio | 370634.28                          | 4740209.25 | 0:00  | 0   | 0:00  | 0   |
| 994                  | Year-Round Residence | Non-Participating    | Scipio | 370578.79                          | 4739860.96 | 0:00  | 0   | 0:00  | 0   |
| 998                  | Year-Round Residence | Non-Participating    | Scipio | 370350.80                          | 4739781.42 | 0:00  | 0   | 0:00  | 0   |
| 999                  | Year-Round Residence | Non-Participating    | Scipio | 370198.64                          | 4739804.76 | 0:00  | 0   | 0:00  | 0   |
| 1000                 | Year-Round Residence | Non-Participating    | Scipio | 370071.45                          | 4739658.07 | 0:00  | 0   | 0:00  | 0   |
| 1001                 | Year-Round Residence | Non-Participating    | Scipio | 369882.41                          | 4739710.88 | 0:00  | 0   | 0:00  | 0   |
| 1002                 | Year-Round Residence | Non-Participating    | Scipio | 369531.59                          | 4739751.06 | 0:00  | 0   | 0:00  | 0   |
| 1004                 | Year-Round Residence | Non-Participating    | Scipio | 370522.33                          | 4739516.89 | 0:00  | 0   | 0:00  | 0   |
| 1005                 | Year-Round Residence | Non-Participating    | Scipio | 370528.91                          | 4739355.01 | 0:00  | 0   | 0:00  | 0   |
| 1006                 | Year-Round Residence | Non-Participating    | Scipio | 370517.17                          | 4739465.89 | 0:00  | 0   | 0:00  | 0   |
| 1007                 | Year-Round Residence | Non-Participating    | Scipio | 370821.72                          | 4739460.53 | 0:00  | 0   | 0:00  | 0   |
| 1009                 | Year-Round Residence | Non-Participating    | Scipio | 371354.10                          | 4739524.57 | 0:00  | 0   | 0:00  | 0   |
| 1010                 | Year-Round Residence | Non-Participating    | Scipio | 371862.43                          | 4739542.54 | 0:00  | 0   | 0:00  | 0   |
| 1011                 | Year-Round Residence | Non-Participating    | Scipio | 370523.87                          | 4739200.23 | 0:00  | 0   | 0:00  | 0   |
| 1012                 | Year-Round Residence | Non-Participating    | Scipio | 370541.50                          | 4739143.51 | 0:00  | 0   | 0:00  | 0   |
| 1015                 | Year-Round Residence | Non-Participating    | Scipio | 370544.70                          | 4738981.30 | 0:00  | 0   | 0:00  | 0   |
| 1016                 | Year-Round Residence | Non-Participating    | Scipio | 370540.26                          | 4738900.02 | 0:00  | 0   | 0:00  | 0   |
| 1017                 | Year-Round Residence | Non-Participating    | Scipio | 370536.77                          | 4738798.84 | 0:00  | 0   | 0:00  | 0   |
| 1018                 | Year-Round Residence | Non-Participating    | Scipio | 370472.45                          | 4738704.63 | 0:00  | 0   | 0:00  | 0   |
| 1020                 | Year-Round Residence | Non-Participating    | Scipio | 370452.63                          | 4738107.00 | 0:00  | 0   | 0:00  | 0   |
| 1021                 | Year-Round Residence | Non-Participating    | Scipio | 370473.55                          | 4738175.43 | 0:00  | 0   | 0:00  | 0   |
| 1024                 | Year-Round Residence | Non-Participating    | Scipio | 370349.66                          | 4737924.26 | 0:00  | 0   | 0:00  | 0   |
| 1025                 | Year-Round Residence | Non-Participating    | Scipio | 370352.04                          | 4737853.18 | 0:00  | 0   | 0:00  | 0   |
| 1026                 | Year-Round Residence | Non-Participating    | Scipio | 370434.60                          | 4737917.10 | 0:00  | 0   | 0:00  | 0   |
| 1027                 | Year-Round Residence | Non-Participating    | Scipio | 370681.79                          | 4737939.76 | 0:00  | 0   | 0:00  | 0   |
| 1028                 | Year-Round Residence | Non-Participating    | Scipio | 370688.43                          | 4737855.88 | 0:00  | 0   | 0:00  | 0   |
| 1029                 | Year-Round Residence | Non-Participating    | Scipio | 370790.55                          | 4737930.56 | 0:00  | 0   | 0:00  | 0   |
| 1031                 | Year-Round Residence | Non-Participating    | Scipio | 371148.25                          | 4737953.00 | 0:00  | 0   | 0:00  | 0   |
| 1032                 | Year-Round Residence | Non-Participating    | Scipio | 371119.04                          | 4737893.65 | 0:00  | 0   | 0:00  | 0   |
| 1035                 | Year-Round Residence | Non-Participating    | Scipio | 371586.89                          | 4737971.67 | 0:00  | 0   | 0:00  | 0   |
| 1036                 | Year-Round Residence | Non-Participating    | Scipio | 371426.94                          | 4737962.80 | 0:00  | 0   | 0:00  | 0   |
| 1040                 | Year-Round Residence | Non-Participating    | Scipio | 372193.09                          | 4737927.02 | 0:00  | 0   | 0:00  | 0   |
| 1041                 | Year-Round Residence | Non-Participating    | Scipio | 372223.67                          | 4737890.14 | 0:00  | 0   | 0:00  | 0   |
| 1042                 | Year-Round Residence | Non-Participating    | Scipio | 372273.70                          | 4737934.69 | 0:00  | 0   | 0:00  | 0   |
| 1043                 | Year-Round Residence | Non-Participating    | Scipio | 372294.81                          | 4737938.87 | 0:00  | 0   | 0:00  | 0   |
| 1044                 | Year-Round Residence | Non-Participating    | Scipio | 372335.35                          | 4737938.96 | 0:00  | 0   | 0:00  | 0   |
| 1045                 | Year-Round Residence | Non-Participating    | Scipio | 372417.82                          | 4737940.46 | 0:00  | 0   | 0:00  | 0   |
| 1048                 | Year-Round Residence | Non-Participating    | Scipio | 370362.13                          | 4737411.30 | 0:00  | 0   | 0:00  | 0   |
| 1049                 | Year-Round Residence | Non-Participating    | Scipio | 370431.96                          | 4737296.15 | 0:00  | 0   | 0:00  | 0   |
| 1050                 | Year-Round Residence | Non-Participating    | Scipio | 370397.68                          | 4737235.04 | 0:00  | 0   | 0:00  | 0   |
| 1060                 | Year-Round Residence | Non-Participating    | Scipio | 370737.30                          | 4735824.12 | 0:00  | 0   | 0:00  | 0   |
| 1061                 | Year-Round Residence | Non-Participating    | Scipio | 370796.17                          | 4735753.47 | 0:00  | 0   | 0:00  | 0   |
| 1068                 | Year-Round Residence | Non-Participating    | Scipio | 370984.92                          | 4735784.99 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1069                 | Year-Round Residence | Non-Participating    | Scipio | 370941.32                          | 4735776.20 | 0:00  | 0   | 0:00  | 0   |
| 1071                 | Year-Round Residence | Non-Participating    | Scipio | 371627.95                          | 4735862.12 | 0:00  | 0   | 0:00  | 0   |
| 1072                 | Year-Round Residence | Non-Participating    | Scipio | 371852.44                          | 4735915.93 | 0:00  | 0   | 0:00  | 0   |
| 1077                 | Year-Round Residence | Non-Participating    | Scipio | 372351.38                          | 4735665.18 | 0:00  | 0   | 0:00  | 0   |
| 1078                 | Year-Round Residence | Non-Participating    | Scipio | 370668.53                          | 4735769.92 | 0:00  | 0   | 0:00  | 0   |
| 1079                 | Year-Round Residence | Non-Participating    | Scipio | 370822.45                          | 4735679.32 | 0:00  | 0   | 0:00  | 0   |
| 1080                 | Year-Round Residence | Non-Participating    | Scipio | 370834.95                          | 4735677.92 | 0:00  | 0   | 0:00  | 0   |
| 1081                 | Year-Round Residence | Non-Participating    | Scipio | 370851.09                          | 4735668.58 | 0:00  | 0   | 0:00  | 0   |
| 1082                 | Year-Round Residence | Non-Participating    | Scipio | 370854.12                          | 4735658.91 | 0:00  | 0   | 0:00  | 0   |
| 1092                 | Year-Round Residence | Non-Participating    | Scipio | 370825.53                          | 4734806.52 | 0:00  | 0   | 0:00  | 0   |
| 1095                 | Year-Round Residence | Non-Participating    | Scipio | 371580.56                          | 4734816.77 | 0:00  | 0   | 0:00  | 0   |
| 1104                 | Year-Round Residence | Non-Participating    | Venice | 370896.40                          | 4734478.04 | 0:00  | 0   | 0:00  | 0   |
| 1107                 | Year-Round Residence | Non-Participating    | Venice | 370847.21                          | 4734272.15 | 0:00  | 0   | 0:00  | 0   |
| 1108                 | Year-Round Residence | Non-Participating    | Venice | 370879.40                          | 4733951.64 | 0:00  | 0   | 0:00  | 0   |
| 1113                 | Year-Round Residence | Non-Participating    | Venice | 370936.50                          | 4733488.98 | 0:00  | 0   | 0:00  | 0   |
| 1116                 | Year-Round Residence | Non-Participating    | Venice | 372285.65                          | 4732919.49 | 0:00  | 0   | 0:00  | 0   |
| 1127                 | Year-Round Residence | Non-Participating    | Venice | 372589.81                          | 4733019.10 | 0:00  | 0   | 0:00  | 0   |
| 1128                 | Year-Round Residence | Non-Participating    | Venice | 372582.06                          | 4732927.73 | 0:00  | 0   | 0:00  | 0   |
| 1129                 | Year-Round Residence | Non-Participating    | Venice | 372542.30                          | 4732925.09 | 0:00  | 0   | 0:00  | 0   |
| 1133                 | Year-Round Residence | Non-Participating    | Venice | 371065.32                          | 4732364.50 | 0:00  | 0   | 0:00  | 0   |
| 1136                 | Year-Round Residence | Non-Participating    | Venice | 371144.54                          | 4732149.09 | 0:00  | 0   | 0:00  | 0   |
| 1152                 | Year-Round Residence | Non-Participating    | Venice | 370896.62                          | 4731944.72 | 0:00  | 0   | 0:00  | 0   |
| 1153                 | Year-Round Residence | Non-Participating    | Venice | 370742.82                          | 4731739.97 | 0:00  | 0   | 0:00  | 0   |
| 1154                 | Year-Round Residence | Non-Participating    | Venice | 370733.21                          | 4731153.71 | 0:00  | 0   | 0:00  | 0   |
| 1155                 | Year-Round Residence | Non-Participating    | Venice | 370677.56                          | 4731138.61 | 0:00  | 0   | 0:00  | 0   |
| 1156                 | Year-Round Residence | Non-Participating    | Venice | 371035.82                          | 4730909.73 | 0:00  | 0   | 0:00  | 0   |
| 1158                 | Year-Round Residence | Non-Participating    | Venice | 371261.41                          | 4731003.25 | 0:00  | 0   | 0:00  | 0   |
| 1159                 | Year-Round Residence | Non-Participating    | Venice | 371318.22                          | 4730914.77 | 0:00  | 0   | 0:00  | 0   |
| 1161                 | Year-Round Residence | Non-Participating    | Venice | 371581.43                          | 4731404.85 | 0:00  | 0   | 0:00  | 0   |
| 1162                 | Year-Round Residence | Non-Participating    | Venice | 371429.57                          | 4731581.17 | 0:00  | 0   | 0:00  | 0   |
| 1163                 | Year-Round Residence | Non-Participating    | Venice | 371407.66                          | 4731628.67 | 0:00  | 0   | 0:00  | 0   |
| 1164                 | Year-Round Residence | Non-Participating    | Venice | 372006.30                          | 4730073.93 | 0:00  | 0   | 0:00  | 0   |
| 1165                 | Year-Round Residence | Non-Participating    | Venice | 372058.30                          | 4729964.80 | 0:00  | 0   | 0:00  | 0   |
| 1167                 | Year-Round Residence | Non-Participating    | Venice | 372128.51                          | 4729716.48 | 0:00  | 0   | 0:00  | 0   |
| 1169                 | Year-Round Residence | Non-Participating    | Venice | 372319.27                          | 4729171.25 | 0:00  | 0   | 0:00  | 0   |
| 1170                 | Year-Round Residence | Non-Participating    | Venice | 372411.85                          | 4729072.80 | 0:00  | 0   | 0:00  | 0   |
| 1172                 | Year-Round Residence | Non-Participating    | Venice | 372384.80                          | 4728914.66 | 0:00  | 0   | 0:00  | 0   |
| 1173                 | Year-Round Residence | Non-Participating    | Venice | 372375.10                          | 4728866.30 | 0:00  | 0   | 0:00  | 0   |
| 1174                 | Year-Round Residence | Non-Participating    | Venice | 372580.64                          | 4728346.41 | 0:00  | 0   | 0:00  | 0   |
| 1176                 | Year-Round Residence | Non-Participating    | Venice | 372835.40                          | 4727842.73 | 0:00  | 0   | 0:00  | 0   |
| 1179                 | Year-Round Residence | Non-Participating    | Venice | 372780.48                          | 4727718.85 | 0:00  | 0   | 0:00  | 0   |
| 1181                 | Year-Round Residence | Non-Participating    | Venice | 373988.03                          | 4727567.69 | 0:00  | 0   | 0:00  | 0   |
| 1182                 | Year-Round Residence | Non-Participating    | Venice | 373846.44                          | 4727600.47 | 0:00  | 0   | 0:00  | 0   |
| 1183                 | Year-Round Residence | Non-Participating    | Venice | 373877.97                          | 4727507.40 | 0:00  | 0   | 0:00  | 0   |
| 1185                 | Year-Round Residence | Non-Participating    | Venice | 372892.74                          | 4730200.61 | 0:00  | 0   | 0:00  | 0   |
| 1188                 | Year-Round Residence | Non-Participating    | Scipio | 369085.70                          | 4738963.06 | 0:00  | 0   | 0:00  | 0   |
| 1189                 | Year-Round Residence | Non-Participating    | Scipio | 369147.02                          | 4738784.19 | 0:00  | 0   | 0:00  | 0   |
| 1190                 | Year-Round Residence | Non-Participating    | Scipio | 369194.56                          | 4738710.07 | 0:00  | 0   | 0:00  | 0   |
| 1191                 | Year-Round Residence | Non-Participating    | Scipio | 369201.58                          | 4738689.02 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|----------------------|----------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|                      |                      |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 1192                 | Year-Round Residence | Non-Participating    | Scipio | 369290.09                          | 4738401.70 | 0:00  | 0   | 0:00  | 0   |
| 1193                 | Year-Round Residence | Non-Participating    | Scipio | 369388.53                          | 4737969.73 | 0:00  | 0   | 0:00  | 0   |
| 1194                 | Year-Round Residence | Non-Participating    | Scipio | 369361.68                          | 4737873.93 | 0:00  | 0   | 0:00  | 0   |
| 1195                 | Year-Round Residence | Non-Participating    | Scipio | 369416.05                          | 4737868.77 | 0:00  | 0   | 0:00  | 0   |
| 1196                 | Year-Round Residence | Non-Participating    | Scipio | 370018.47                          | 4737909.32 | 0:00  | 0   | 0:00  | 0   |
| 1197                 | Year-Round Residence | Non-Participating    | Scipio | 369870.77                          | 4737835.68 | 0:00  | 0   | 0:00  | 0   |
| 1198                 | Year-Round Residence | Non-Participating    | Scipio | 369897.60                          | 4737887.84 | 0:00  | 0   | 0:00  | 0   |
| 1199                 | Year-Round Residence | Non-Participating    | Scipio | 370056.92                          | 4737846.17 | 0:00  | 0   | 0:00  | 0   |
| 1200                 | Year-Round Residence | Non-Participating    | Scipio | 370061.19                          | 4737900.28 | 0:00  | 0   | 0:00  | 0   |
| 1202                 | Year-Round Residence | Non-Participating    | Scipio | 370140.34                          | 4737839.63 | 0:00  | 0   | 0:00  | 0   |
| 1205                 | Year-Round Residence | Non-Participating    | Scipio | 369449.40                          | 4737790.37 | 0:00  | 0   | 0:00  | 0   |
| 1206                 | Year-Round Residence | Non-Participating    | Scipio | 369577.30                          | 4737144.02 | 0:00  | 0   | 0:00  | 0   |
| 1207                 | Year-Round Residence | Non-Participating    | Scipio | 369512.07                          | 4737207.79 | 0:00  | 0   | 0:00  | 0   |
| 1209                 | Year-Round Residence | Non-Participating    | Scipio | 369538.47                          | 4737068.15 | 0:00  | 0   | 0:00  | 0   |
| 1213                 | Year-Round Residence | Non-Participating    | Scipio | 369541.06                          | 4736695.86 | 0:00  | 0   | 0:00  | 0   |
| 1215                 | Year-Round Residence | Non-Participating    | Scipio | 369515.39                          | 4735798.02 | 0:00  | 0   | 0:00  | 0   |
| 1216                 | Year-Round Residence | Non-Participating    | Scipio | 369605.83                          | 4735790.39 | 0:00  | 0   | 0:00  | 0   |
| 1220                 | Year-Round Residence | Non-Participating    | Scipio | 370111.60                          | 4735941.57 | 0:00  | 0   | 0:00  | 0   |
| 1221                 | Year-Round Residence | Non-Participating    | Scipio | 370072.30                          | 4735808.85 | 0:00  | 0   | 0:00  | 0   |
| 1222                 | Year-Round Residence | Non-Participating    | Scipio | 370207.37                          | 4735830.85 | 0:00  | 0   | 0:00  | 0   |
| 1223                 | Year-Round Residence | Non-Participating    | Scipio | 370320.12                          | 4735811.98 | 0:00  | 0   | 0:00  | 0   |
| 1224                 | Year-Round Residence | Non-Participating    | Scipio | 370372.61                          | 4735834.63 | 0:00  | 0   | 0:00  | 0   |
| 1225                 | Year-Round Residence | Non-Participating    | Scipio | 370481.01                          | 4735870.90 | 0:00  | 0   | 0:00  | 0   |
| 1226                 | Year-Round Residence | Non-Participating    | Scipio | 370615.10                          | 4735822.96 | 0:00  | 0   | 0:00  | 0   |
| 1227                 | Year-Round Residence | Non-Participating    | Scipio | 370524.14                          | 4735822.94 | 0:00  | 0   | 0:00  | 0   |
| 1228                 | Year-Round Residence | Non-Participating    | Scipio | 370562.34                          | 4735746.58 | 0:00  | 0   | 0:00  | 0   |
| 1229                 | Year-Round Residence | Non-Participating    | Scipio | 370476.78                          | 4735850.84 | 0:00  | 0   | 0:00  | 0   |
| 1230                 | Year-Round Residence | Non-Participating    | Scipio | 369194.35                          | 4735646.67 | 0:00  | 0   | 0:00  | 0   |
| 1231                 | Year-Round Residence | Non-Participating    | Scipio | 368616.98                          | 4735594.86 | 0:00  | 0   | 0:00  | 0   |
| 1232                 | Year-Round Residence | Non-Participating    | Scipio | 369540.78                          | 4735285.06 | 0:00  | 0   | 0:00  | 0   |
| 1233                 | Year-Round Residence | Non-Participating    | Scipio | 369619.47                          | 4735310.17 | 0:00  | 0   | 0:00  | 0   |
| 1234                 | Year-Round Residence | Non-Participating    | Scipio | 369627.39                          | 4735256.20 | 0:00  | 0   | 0:00  | 0   |
| 1235                 | Year-Round Residence | Non-Participating    | Scipio | 369562.65                          | 4735161.54 | 0:00  | 0   | 0:00  | 0   |
| 1237                 | Year-Round Residence | Non-Participating    | Venice | 369329.74                          | 4734679.28 | 0:00  | 0   | 0:00  | 0   |
| 1238                 | Year-Round Residence | Non-Participating    | Venice | 369261.99                          | 4734679.19 | 0:00  | 0   | 0:00  | 0   |
| 1239                 | Year-Round Residence | Non-Participating    | Scipio | 369176.77                          | 4734764.54 | 0:00  | 0   | 0:00  | 0   |
| 1241                 | Year-Round Residence | Non-Participating    | Venice | 369680.97                          | 4734672.69 | 0:00  | 0   | 0:00  | 0   |
| 1244                 | Year-Round Residence | Non-Participating    | Venice | 369955.51                          | 4734697.47 | 0:00  | 0   | 0:00  | 0   |
| 1245                 | Year-Round Residence | Non-Participating    | Venice | 370024.77                          | 4734695.73 | 0:00  | 0   | 0:00  | 0   |
| 1246                 | Year-Round Residence | Non-Participating    | Venice | 369689.97                          | 4733097.85 | 0:00  | 0   | 0:00  | 0   |
| 1251                 | Year-Round Residence | Non-Participating    | Venice | 370185.96                          | 4733133.42 | 0:00  | 0   | 0:00  | 0   |
| 1252                 | Year-Round Residence | Non-Participating    | Venice | 370211.86                          | 4733139.87 | 0:00  | 0   | 0:00  | 0   |
| 1256                 | Year-Round Residence | Non-Participating    | Venice | 370704.31                          | 4733121.91 | 0:00  | 0   | 0:00  | 0   |
| 1258                 | Year-Round Residence | Non-Participating    | Venice | 370436.72                          | 4730647.22 | 0:00  | 0   | 0:00  | 0   |
| 1259                 | Year-Round Residence | Non-Participating    | Venice | 370360.49                          | 4730618.02 | 0:00  | 0   | 0:00  | 0   |
| 1260                 | Year-Round Residence | Non-Participating    | Venice | 370191.83                          | 4729899.20 | 0:00  | 0   | 0:00  | 0   |
| 1261                 | Year-Round Residence | Non-Participating    | Venice | 370318.89                          | 4729913.51 | 0:00  | 0   | 0:00  | 0   |
| 1263                 | Year-Round Residence | Non-Participating    | Venice | 370439.71                          | 4729850.72 | 0:00  | 0   | 0:00  | 0   |
| 1264                 | Year-Round Residence | Non-Participating    | Venice | 370755.62                          | 4729928.49 | 0:00  | 0   | 0:00  | 0   |

Table B-3.b: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type               | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1265  | Year-Round Residence        | Non-Participating        | Venice        | 371028.92                          | 4729857.94        | 0:00  | 0   | 0:00  | 0   |
| 1266  | Year-Round Residence        | Non-Participating        | Venice        | 371372.61                          | 4729984.93        | 0:00  | 0   | 0:00  | 0   |
| 1267  | Year-Round Residence        | Non-Participating        | Venice        | 371877.86                          | 4729899.42        | 0:00  | 0   | 0:00  | 0   |
| 1268  | Year-Round Residence        | Non-Participating        | Venice        | 371437.77                          | 4728155.22        | 0:00  | 0   | 0:00  | 0   |
| 1269  | Year-Round Residence        | Non-Participating        | Venice        | 371374.62                          | 4728198.61        | 0:00  | 0   | 0:00  | 0   |
| 1272  | Year-Round Residence        | Non-Participating        | Venice        | 371716.71                          | 4728190.43        | 0:00  | 0   | 0:00  | 0   |
| 1273  | Year-Round Residence        | Non-Participating        | Venice        | 371955.34                          | 4727968.40        | 0:00  | 0   | 0:00  | 0   |
| 1274  | Year-Round Residence        | Non-Participating        | Venice        | 372687.17                          | 4727898.00        | 0:00  | 0   | 0:00  | 0   |
| 1277  | Year-Round Residence        | Non-Participating        | Scipio        | 369164.96                          | 4737764.67        | 0:00  | 0   | 0:00  | 0   |
| 1278  | Year-Round Residence        | Non-Participating        | Scipio        | 369025.74                          | 4737884.46        | 0:00  | 0   | 0:00  | 0   |
| 1279  | Year-Round Residence        | Non-Participating        | Scipio        | 368880.82                          | 4737805.28        | 0:00  | 0   | 0:00  | 0   |
| 1280  | Year-Round Residence        | Non-Participating        | Scipio        | 368738.72                          | 4737827.60        | 0:00  | 0   | 0:00  | 0   |
| 1282  | Year-Round Residence        | Non-Participating        | Scipio        | 368761.86                          | 4737884.60        | 0:00  | 0   | 0:00  | 0   |
| 1285  | Year-Round Residence        | Non-Participating        | Scipio        | 368620.63                          | 4737869.95        | 0:00  | 0   | 0:00  | 0   |
| 1286  | Year-Round Residence        | Non-Participating        | Moravia       | 380154.73                          | 4732486.54        | 0:00  | 0   | 0:00  | 0   |
| 1291  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.68                          | 4734999.45        | 0:00  | 0   | 0:00  | 0   |
| 1293  | Year-Round Residence        | Non-Participating        | Venice        | 374464.99                          | 4727707.51        | 0:00  | 0   | 0:00  | 0   |
| 1294  | Year-Round Residence        | Non-Participating        | Venice        | 373691.57                          | 4730045.59        | 0:00  | 0   | 0:00  | 0   |
| 1295  | Year-Round Residence        | Non-Participating        | Moravia       | 380594.97                          | 4731539.77        | 0:00  | 0   | 0:00  | 0   |
| 1296  | Year-Round Residence        | Non-Participating        | Venice        | 375629.01                          | 4731140.04        | 0:00  | 0   | 0:00  | 0   |
| 1297  | Year-Round Residence        | Non-Participating        | Venice        | 379246.62                          | 4732319.99        | 0:00  | 0   | 0:00  | 0   |
| 1298  | Year-Round Residence        | Non-Participating        | Venice        | 378386.72                          | 4732826.33        | 0:00  | 0   | 0:00  | 0   |
| 1300  | Year-Round Residence        | Non-Participating        | Scipio        | 377751.67                          | 4736256.75        | 0:00  | 0   | 0:00  | 0   |
| 1301  | Seasonal Residence          | Non-Participating        | Scipio        | 377097.07                          | 4738891.37        | 0:00  | 0   | 0:00  | 0   |
| 1302  | Year-Round Residence        | Non-Participating        | Scipio        | 376618.19                          | 4738159.86        | 0:00  | 0   | 0:00  | 0   |
| 1303  | Seasonal Residence          | Non-Participating        | Venice        | 379532.17                          | 4734569.54        | 0:00  | 0   | 0:00  | 0   |
| 1304  | Year-Round Residence        | Non-Participating        | Scipio        | 376201.96                          | 4738976.16        | 0:00  | 0   | 0:00  | 0   |
| 1309  | Seasonal Residence          | Non-Participating        | Scipio        | 377090.59                          | 4738950.65        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors |                             |                          |               |                                    |                   |   |   |   |   |
| <b>482</b>  | <b>Year-Round Residence</b> | <b>Non-Participating</b> | <b>Scipio</b> | <b>374925.84</b>                   | <b>4737438.08</b> | <b>303:10</b>   | <b>122</b>  | <b>64:52</b>  | <b>3892</b>   |
| <b>1309</b>   | <b>Seasonal Residence</b>   | <b>Non-Participating</b> | <b>Scipio</b> | <b>377090.59</b>                   | <b>4738950.65</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.c: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type               | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-----------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                             |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 573   | Year-Round Residence        | Participating        | Venice        | 376554.14                          | 4734617.85        | 36:44   | 39  | 8:42  | 522   |
| 587   | Year-Round Residence        | Participating        | Venice        | 377530.26                          | 4732272.42        | 22:43   | 33  | 4:38  | 278   |
| 611   | Year-Round Residence        | Participating        | Venice        | 377076.93                          | 4732083.28        | 92:09   | 71  | 20:53   | 1253  |
| 614   | Year-Round Residence        | Participating        | Venice        | 377561.91                          | 4731727.75        | 17:45   | 32  | 5:10  | 310   |
| 836   | Year-Round Residence        | Participating        | Venice        | 375469.03                          | 4732307.89        | 279:26  | 111   | 62:38   | 3758  |
| 840   | Year-Round Residence        | Participating        | Venice        | 375556.49                          | 4731495.05        | 63:38   | 59  | 18:37   | 1117  |
| 848   | Year-Round Residence        | Participating        | Venice        | 375695.97                          | 4731314.43        | 0:00  | 0   | 0:00  | 0   |
| 849   | Year-Round Residence        | Participating        | Venice        | 375691.69                          | 4731324.84        | 0:00  | 0   | 0:00  | 0   |
| 850   | Year-Round Residence        | Participating        | Venice        | 375689.49                          | 4731335.90        | 0:00  | 0   | 0:00  | 0   |
| 878   | Year-Round Residence        | Participating        | Venice        | 372626.25                          | 4734000.27        | 135:44  | 93  | 35:00   | 2100  |
| 937   | Year-Round Residence        | Participating        | Venice        | 374504.60                          | 4731630.17        | 30:54   | 31  | 5:12  | 312   |
| 1290  | Year-Round Residence        | Participating        | Scipio        | 376547.61                          | 4735435.51        | 102:06  | 46  | 26:16   | 1576  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Residential Receptors |                             |                      |               |                                    |                   |   |   |   |   |
| <b>836</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375469.03</b>                   | <b>4732307.89</b> | <b>279:26</b>   | <b>111</b>  | <b>62:38</b>  | <b>3758</b>   |
| <b>848</b>  | <b>Year-Round Residence</b> | <b>Participating</b> | <b>Venice</b> | <b>375695.97</b>                   | <b>4731314.43</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.d: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type        | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |                      | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Noise Limit at Non<br>Participating<br>Receptors [dBA] | Leq (dB) -<br>Extrapolated | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|----------------------|----------------------|--------|------------------------------------|----------------------|---|--|----------------------------|---|---|---|
|   |                      |                      |        | X<br>(m)                           | Y<br>(m)             |   |  | 16 Hz                      |   |   |   |
|   |                      |                      |        | 836                                | Year-Round Residence |   |  | Participating              |   |   |   |
| 878   | Year-Round Residence | Participating        | Venice | 372626.25                          | 4734000.27           | 135:44  | 45   | 93                         | 93  | 35:00   | 2100  |
| 1290  | Year-Round Residence | Participating        | Scipio | 376547.61                          | 4735435.51           | 102:06  | 45   | 46                         | 46  | 26:16   | 1576  |
| 611   | Year-Round Residence | Participating        | Venice | 377076.93                          | 4732083.28           | 92:09   | 45   | 71                         | 71  | 20:53   | 1253  |
| 840   | Year-Round Residence | Participating        | Venice | 375556.49                          | 4731495.05           | 63:38   | 45   | 59                         | 59  | 18:37   | 1117  |
| 573   | Year-Round Residence | Participating        | Venice | 376554.14                          | 4734617.85           | 36:44   | 45   | 39                         | 39  | 8:42  | 522   |
| 937   | Year-Round Residence | Participating        | Venice | 374504.60                          | 4731630.17           | 30:54   | 45   | 31                         | 31  | 5:12  | 312   |
| 614   | Year-Round Residence | Participating        | Venice | 377561.91                          | 4731727.75           | 17:45   | 45   | 32                         | 32  | 5:10  | 310   |
| 587   | Year-Round Residence | Participating        | Venice | 377530.26                          | 4732272.42           | 22:43   | 45   | 33                         | 33  | 4:38  | 278   |
| 850   | Year-Round Residence | Participating        | Venice | 375689.49                          | 4731335.90           | 0:00  | 45   | 0                          | 0   | 0:00  | 0   |
| 849   | Year-Round Residence | Participating        | Venice | 375691.69                          | 4731324.84           | 0:00  | 45   | 0                          | 0   | 0:00  | 0   |
| 848   | Year-Round Residence | Participating        | Venice | 375695.97                          | 4731314.43           | 0:00  | 45   | 0                          | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Residential Receptors |                      |                      |        |                                    |                      |   |  |                            |   |   |   |
| 836   | Year-Round Residence | Participating        | Venice | 375469.03                          | 4732307.89           | 279:26  | 45   | 111                        | 111   | 62:38   | 3758  |
| 848   | Year-Round Residence | Participating        | Venice | 375695.97                          | 4731314.43           | 0:00  | 45   | 0                          | 0   | 0:00  | 0   |

Table B-3.e: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Public and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type            | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|--------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|--|
|  |                          |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |  |
| 581  | Institutional Structures | Non-Participating        | Venice        | 376534.33                          | 4733071.41        | 25:38   | 27  | 6:44  | 404  |
| 685  | Public Structures        | Non-Participating        | Scipio        | 372548.47                          | 4740173.72        | 0:00  | 0   | 0:00  | 0  |
| 693  | Institutional Structures | Non-Participating        | Scipio        | 372405.61                          | 4739499.59        | 0:00  | 0   | 0:00  | 0  |
| 694  | Institutional Structures | Non-Participating        | Scipio        | 372405.83                          | 4739437.59        | 0:00  | 0   | 0:00  | 0  |
| 695  | Institutional Structures | Non-Participating        | Scipio        | 372353.34                          | 4739503.67        | 0:00  | 0   | 0:00  | 0  |
| 705  | Public Structures        | Non-Participating        | Scipio        | 372398.06                          | 4739017.71        | 0:00  | 0   | 0:00  | 0  |
| 710  | Institutional Structures | Non-Participating        | Scipio        | 372521.29                          | 4738629.65        | 0:00  | 0   | 0:00  | 0  |
| 717  | Public Structures        | Non-Participating        | Scipio        | 372526.58                          | 4738101.60        | 0:00  | 0   | 0:00  | 0  |
| 718  | Public Structures        | Non-Participating        | Scipio        | 372526.05                          | 4738046.93        | 0:00  | 0   | 0:00  | 0  |
| 738  | Public Structures        | Non-Participating        | Scipio        | 372814.77                          | 4737928.65        | 0:00  | 0   | 0:00  | 0  |
| 740  | Public Structures        | Non-Participating        | Scipio        | 372817.41                          | 4737895.74        | 0:00  | 0   | 0:00  | 0  |
| 746  | Public Structures        | Non-Participating        | Scipio        | 373235.39                          | 4738049.92        | 8:56  | 24  | 2:04  | 124  |
| 761  | Institutional Structures | Non-Participating        | Scipio        | 374504.63                          | 4738163.39        | 0:00  | 0   | 0:00  | 0  |
| 772  | Institutional Structures | Non-Participating        | Scipio        | 372540.55                          | 4737585.52        | 13:16   | 27  | 2:14  | 134  |
| 778  | Public Structures        | Non-Participating        | Scipio        | 372423.40                          | 4737383.34        | 36:14   | 37  | 6:49  | 409  |
| 828  | Institutional Structures | Non-Participating        | Venice        | 375299.66                          | 4732741.02        | 55:47   | 42  | 10:26   | 626  |
| 834  | Public Structures        | Non-Participating        | Venice        | 375400.61                          | 4732663.24        | 69:57   | 49  | 15:00   | 900  |
| 896  | Institutional Structures | Non-Participating        | Venice        | 372605.36                          | 4732868.00        | 0:00  | 0   | 0:00  | 0  |
| 905  | Institutional Structures | Non-Participating        | Venice        | 373505.79                          | 4732491.39        | 25:45   | 38  | 5:52  | 352  |
| 915  | Public Structures        | Non-Participating        | Venice        | 372811.51                          | 4732365.86        | 0:00  | 0   | 0:00  | 0  |
| 1091   | Public Structures        | Non-Participating        | Scipio        | 370820.27                          | 4734951.45        | 0:00  | 0   | 0:00  | 0  |
| 1130   | Institutional Structures | Non-Participating        | Venice        | 372572.69                          | 4732863.70        | 0:00  | 0   | 0:00  | 0  |
| 1131   | Institutional Structures | Non-Participating        | Venice        | 372555.65                          | 4732811.07        | 0:00  | 0   | 0:00  | 0  |
| 1132   | Institutional Structures | Non-Participating        | Venice        | 372542.28                          | 4732878.63        | 0:00  | 0   | 0:00  | 0  |
| 1134   | Public Structures        | Non-Participating        | Venice        | 370888.59                          | 4732992.25        | 0:00  | 0   | 0:00  | 0  |
| 1135   | Public Structures        | Non-Participating        | Venice        | 370839.06                          | 4732860.76        | 0:00  | 0   | 0:00  | 0  |
| 1171   | Public Structures        | Non-Participating        | Venice        | 372512.31                          | 4729109.53        | 0:00  | 0   | 0:00  | 0  |
| 1180   | Public Structures        | Non-Participating        | Venice        | 372850.89                          | 4727512.93        | 0:00  | 0   | 0:00  | 0  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Public Receptors |                          |                          |               |                                    |                   |   |   |   |  |
| <b>834</b>   | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>375400.61</b>                   | <b>4732663.24</b> | <b>69:57</b>  | <b>49</b>   | <b>15:00</b>  | <b>900</b>   |
| <b>1180</b>  | <b>Public Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372850.89</b>                   | <b>4727512.93</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>   |

Table B-3.f: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Public and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type            | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                          |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 834  | Public Structures        | Non-Participating    | Venice | 375400.61                          | 4732663.24 | 69:57   | 49  | 15:00   | 900   |
| 828  | Institutional Structures | Non-Participating    | Venice | 375299.66                          | 4732741.02 | 55:47   | 42  | 10:26   | 626   |
| 778  | Public Structures        | Non-Participating    | Scipio | 372423.40                          | 4737383.34 | 36:14   | 37  | 6:49  | 409   |
| 581  | Institutional Structures | Non-Participating    | Venice | 376534.33                          | 4733071.41 | 25:38   | 27  | 6:44  | 404   |
| 905  | Institutional Structures | Non-Participating    | Venice | 373505.79                          | 4732491.39 | 25:45   | 38  | 5:52  | 352   |
| 772  | Institutional Structures | Non-Participating    | Scipio | 372540.55                          | 4737585.52 | 13:16   | 27  | 2:14  | 134   |
| 746  | Public Structures        | Non-Participating    | Scipio | 373235.39                          | 4738049.92 | 8:56  | 24  | 2:04  | 124   |
| 915  | Public Structures        | Non-Participating    | Venice | 372811.51                          | 4732365.86 | 0:00  | 0   | 0:00  | 0   |
| 685  | Public Structures        | Non-Participating    | Scipio | 372548.47                          | 4740173.72 | 0:00  | 0   | 0:00  | 0   |
| 693  | Institutional Structures | Non-Participating    | Scipio | 372405.61                          | 4739499.59 | 0:00  | 0   | 0:00  | 0   |
| 694  | Institutional Structures | Non-Participating    | Scipio | 372405.83                          | 4739437.59 | 0:00  | 0   | 0:00  | 0   |
| 695  | Institutional Structures | Non-Participating    | Scipio | 372353.34                          | 4739503.67 | 0:00  | 0   | 0:00  | 0   |
| 705  | Public Structures        | Non-Participating    | Scipio | 372398.06                          | 4739017.71 | 0:00  | 0   | 0:00  | 0   |
| 710  | Institutional Structures | Non-Participating    | Scipio | 372521.29                          | 4738629.65 | 0:00  | 0   | 0:00  | 0   |
| 717  | Public Structures        | Non-Participating    | Scipio | 372526.58                          | 4738101.60 | 0:00  | 0   | 0:00  | 0   |
| 718  | Public Structures        | Non-Participating    | Scipio | 372526.05                          | 4738046.93 | 0:00  | 0   | 0:00  | 0   |
| 738  | Public Structures        | Non-Participating    | Scipio | 372814.77                          | 4737928.65 | 0:00  | 0   | 0:00  | 0   |
| 740  | Public Structures        | Non-Participating    | Scipio | 372817.41                          | 4737895.74 | 0:00  | 0   | 0:00  | 0   |
| 761  | Institutional Structures | Non-Participating    | Scipio | 374504.63                          | 4738163.39 | 0:00  | 0   | 0:00  | 0   |
| 896  | Institutional Structures | Non-Participating    | Venice | 372605.36                          | 4732868.00 | 0:00  | 0   | 0:00  | 0   |
| 1091   | Public Structures        | Non-Participating    | Scipio | 370820.27                          | 4734951.45 | 0:00  | 0   | 0:00  | 0   |
| 1130   | Institutional Structures | Non-Participating    | Venice | 372572.69                          | 4732863.70 | 0:00  | 0   | 0:00  | 0   |
| 1131   | Institutional Structures | Non-Participating    | Venice | 372555.65                          | 4732811.07 | 0:00  | 0   | 0:00  | 0   |
| 1132   | Institutional Structures | Non-Participating    | Venice | 372542.28                          | 4732878.63 | 0:00  | 0   | 0:00  | 0   |
| 1134   | Public Structures        | Non-Participating    | Venice | 370888.59                          | 4732992.25 | 0:00  | 0   | 0:00  | 0   |
| 1135   | Public Structures        | Non-Participating    | Venice | 370839.06                          | 4732860.76 | 0:00  | 0   | 0:00  | 0   |
| 1171   | Public Structures        | Non-Participating    | Venice | 372512.31                          | 4729109.53 | 0:00  | 0   | 0:00  | 0   |
| 1180   | Public Structures        | Non-Participating    | Venice | 372850.89                          | 4727512.93 | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Public Receptors |                          |                      |        |                                    |            |   |   |   |   |
| 834  | Public Structures        | Non-Participating    | Venice | 375400.61                          | 4732663.24 | 69:57   | 49  | 15:00   | 900   |
| 1180   | Public Structures        | Non-Participating    | Venice | 372850.89                          | 4727512.93 | 0:00  | 0   | 0:00  | 0   |

Table B-3.g: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Public and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type            | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                          |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 39:42   | 34  | 7:10  | 430   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 44:03   | 37  | 7:56  | 476   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Public Receptors |                          |                      |        |                                    |            |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 44:03   | 37  | 7:56  | 476   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 39:42   | 34  | 7:10  | 430   |

Table B-3.h: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Public and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type            | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|--------------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|  |                          |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 44:03   | 37  | 7:56  | 476   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 39:42   | 34  | 7:10  | 430   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Public Receptors |                          |                      |        |                                    |            |   |   |   |   |
| 904  | Institutional Structures | Participating        | Venice | 373565.35                          | 4732709.26 | 44:03   | 37  | 7:56  | 476   |
| 903  | Institutional Structures | Participating        | Venice | 373505.60                          | 4732730.23 | 39:42   | 34  | 7:10  | 430   |

Table B-3.i: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Commercial and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type         | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|-----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|  |                       |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 517  | Commercial Structures | Non-Participating    | Venice | 378154.80                          | 4734134.77 | 42:55   | 50  | 5:54  | 354  |
| 518  | Commercial Structures | Non-Participating    | Venice | 378107.34                          | 4734176.53 | 14:05   | 31  | 1:49  | 109  |
| 519  | Commercial Structures | Non-Participating    | Venice | 378266.45                          | 4734186.60 | 41:34   | 45  | 5:39  | 339  |
| 523  | Commercial Structures | Non-Participating    | Venice | 378495.77                          | 4734042.87 | 30:01   | 39  | 4:50  | 290  |
| 579  | Commercial Structures | Non-Participating    | Venice | 376680.06                          | 4733513.07 | 38:24   | 34  | 11:00   | 660  |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 37:59   | 35  | 10:52   | 652  |
| 599  | Commercial Structures | Non-Participating    | Venice | 378212.86                          | 4732715.52 | 0:00  | 0   | 0:00  | 0  |
| 600  | Commercial Structures | Non-Participating    | Venice | 378442.03                          | 4732782.32 | 0:00  | 0   | 0:00  | 0  |
| 603  | Commercial Structures | Non-Participating    | Venice | 378532.89                          | 4732634.60 | 0:00  | 0   | 0:00  | 0  |
| 633  | Commercial Structures | Non-Participating    | Venice | 377081.08                          | 4731565.57 | 14:02   | 25  | 4:15  | 255  |
| 640  | Commercial Structures | Non-Participating    | Venice | 377204.91                          | 4730532.89 | 0:00  | 0   | 0:00  | 0  |
| 641  | Commercial Structures | Non-Participating    | Venice | 377288.72                          | 4730537.96 | 0:00  | 0   | 0:00  | 0  |
| 642  | Commercial Structures | Non-Participating    | Venice | 377309.21                          | 4730583.77 | 0:00  | 0   | 0:00  | 0  |
| 643  | Commercial Structures | Non-Participating    | Venice | 377273.80                          | 4730635.24 | 0:00  | 0   | 0:00  | 0  |
| 644  | Commercial Structures | Non-Participating    | Venice | 377211.24                          | 4730593.40 | 0:00  | 0   | 0:00  | 0  |
| 813  | Commercial Structures | Non-Participating    | Venice | 375309.62                          | 4733147.84 | 32:34   | 37  | 5:46  | 346  |
| 814  | Commercial Structures | Non-Participating    | Venice | 375338.29                          | 4733152.07 | 28:50   | 36  | 5:04  | 304  |
| 815  | Commercial Structures | Non-Participating    | Venice | 375315.35                          | 4733105.85 | 40:30   | 38  | 7:14  | 434  |
| 823  | Commercial Structures | Non-Participating    | Venice | 375183.43                          | 4732932.26 | 24:31   | 36  | 5:14  | 314  |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 82:48   | 47  | 15:41   | 941  |
| 851  | Commercial Structures | Non-Participating    | Venice | 375606.86                          | 4731109.13 | 0:00  | 0   | 0:00  | 0  |
| 852  | Commercial Structures | Non-Participating    | Venice | 375642.23                          | 4730970.70 | 0:00  | 0   | 0:00  | 0  |
| 856  | Commercial Structures | Non-Participating    | Venice | 376197.45                          | 4730057.57 | 0:00  | 0   | 0:00  | 0  |
| 857  | Commercial Structures | Non-Participating    | Venice | 376203.31                          | 4730089.31 | 0:00  | 0   | 0:00  | 0  |
| 858  | Commercial Structures | Non-Participating    | Venice | 376160.30                          | 4730096.39 | 0:00  | 0   | 0:00  | 0  |
| 881  | Commercial Structures | Non-Participating    | Venice | 372672.21                          | 4733547.73 | 21:52   | 34  | 5:33  | 333  |
| 882  | Commercial Structures | Non-Participating    | Venice | 372639.42                          | 4733527.40 | 20:56   | 33  | 5:16  | 316  |
| 884  | Commercial Structures | Non-Participating    | Venice | 372515.97                          | 4733433.08 | 18:06   | 29  | 4:31  | 271  |
| 889  | Commercial Structures | Non-Participating    | Venice | 372692.98                          | 4733198.17 | 16:10   | 27  | 4:13  | 253  |
| 913  | Commercial Structures | Non-Participating    | Venice | 374913.33                          | 4732955.87 | 18:20   | 28  | 4:41  | 281  |
| 914  | Commercial Structures | Non-Participating    | Venice | 374933.89                          | 4732931.24 | 17:19   | 29  | 4:19  | 259  |
| 947  | Commercial Structures | Non-Participating    | Venice | 373323.73                          | 4730652.01 | 0:00  | 0   | 0:00  | 0  |
| 948  | Commercial Structures | Non-Participating    | Venice | 373316.14                          | 4730631.48 | 0:00  | 0   | 0:00  | 0  |
| 952  | Commercial Structures | Non-Participating    | Venice | 373403.36                          | 4730302.64 | 0:00  | 0   | 0:00  | 0  |
| 953  | Commercial Structures | Non-Participating    | Venice | 373414.31                          | 4730281.22 | 0:00  | 0   | 0:00  | 0  |
| 954  | Commercial Structures | Non-Participating    | Venice | 373428.88                          | 4730261.23 | 0:00  | 0   | 0:00  | 0  |
| 955  | Commercial Structures | Non-Participating    | Venice | 373437.69                          | 4730237.46 | 0:00  | 0   | 0:00  | 0  |
| 956  | Commercial Structures | Non-Participating    | Venice | 373380.13                          | 4730322.49 | 0:00  | 0   | 0:00  | 0  |
| 964  | Commercial Structures | Non-Participating    | Venice | 374022.73                          | 4729318.02 | 0:00  | 0   | 0:00  | 0  |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |
| 1313   | Commercial Structures | Non-Participating    | Venice | 376712.20                          | 4734176.63 | 39:33   | 31  | 8:02  | 482  |
| 1314   | Commercial Structures | Non-Participating    | Venice | 378173.45                          | 4734111.28 | 55:36   | 53  | 7:41  | 461  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Commercial Receptors |                       |                      |        |                                    |            |   |   |   |  |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 82:48   | 47  | 15:41   | 941  |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |

Table B-3.j: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Commercial and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type         | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Day] |
|--|-----------------------|----------------------|--------|------------------------------------|------------|---|---|---|--|
|  |                       |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |  |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 82:48   | 47  | 15:41   | 941  |
| 579  | Commercial Structures | Non-Participating    | Venice | 376680.06                          | 4733513.07 | 38:24   | 34  | 11:00   | 660  |
| 580  | Commercial Structures | Non-Participating    | Venice | 376644.77                          | 4733543.57 | 37:59   | 35  | 10:52   | 652  |
| 1313   | Commercial Structures | Non-Participating    | Venice | 376712.20                          | 4734176.63 | 39:33   | 31  | 8:02  | 482  |
| 1314   | Commercial Structures | Non-Participating    | Venice | 378173.45                          | 4734111.28 | 55:36   | 53  | 7:41  | 461  |
| 815  | Commercial Structures | Non-Participating    | Venice | 375315.35                          | 4733105.85 | 40:30   | 38  | 7:14  | 434  |
| 517  | Commercial Structures | Non-Participating    | Venice | 378154.80                          | 4734134.77 | 42:55   | 50  | 5:54  | 354  |
| 813  | Commercial Structures | Non-Participating    | Venice | 375309.62                          | 4733147.84 | 32:34   | 37  | 5:46  | 346  |
| 519  | Commercial Structures | Non-Participating    | Venice | 378266.45                          | 4734186.60 | 41:34   | 45  | 5:39  | 339  |
| 881  | Commercial Structures | Non-Participating    | Venice | 372672.21                          | 4733547.73 | 21:52   | 34  | 5:33  | 333  |
| 882  | Commercial Structures | Non-Participating    | Venice | 372639.42                          | 4733527.40 | 20:56   | 33  | 5:16  | 316  |
| 823  | Commercial Structures | Non-Participating    | Venice | 375183.43                          | 4732932.26 | 24:31   | 36  | 5:14  | 314  |
| 814  | Commercial Structures | Non-Participating    | Venice | 375338.29                          | 4733152.07 | 28:50   | 36  | 5:04  | 304  |
| 523  | Commercial Structures | Non-Participating    | Venice | 378495.77                          | 4734042.87 | 30:01   | 39  | 4:50  | 290  |
| 913  | Commercial Structures | Non-Participating    | Venice | 374913.33                          | 4732955.87 | 18:20   | 28  | 4:41  | 281  |
| 884  | Commercial Structures | Non-Participating    | Venice | 372515.97                          | 4733433.08 | 18:06   | 29  | 4:31  | 271  |
| 914  | Commercial Structures | Non-Participating    | Venice | 374933.89                          | 4732931.24 | 17:19   | 29  | 4:19  | 259  |
| 633  | Commercial Structures | Non-Participating    | Venice | 377081.08                          | 4731565.57 | 14:02   | 25  | 4:15  | 255  |
| 889  | Commercial Structures | Non-Participating    | Venice | 372692.98                          | 4733198.17 | 16:10   | 27  | 4:13  | 253  |
| 518  | Commercial Structures | Non-Participating    | Venice | 378107.34                          | 4734176.53 | 14:05   | 31  | 1:49  | 109  |
| 599  | Commercial Structures | Non-Participating    | Venice | 378212.86                          | 4732715.52 | 0:00  | 0   | 0:00  | 0  |
| 600  | Commercial Structures | Non-Participating    | Venice | 378442.03                          | 4732782.32 | 0:00  | 0   | 0:00  | 0  |
| 603  | Commercial Structures | Non-Participating    | Venice | 378532.89                          | 4732634.60 | 0:00  | 0   | 0:00  | 0  |
| 640  | Commercial Structures | Non-Participating    | Venice | 377204.91                          | 4730532.89 | 0:00  | 0   | 0:00  | 0  |
| 641  | Commercial Structures | Non-Participating    | Venice | 377288.72                          | 4730537.96 | 0:00  | 0   | 0:00  | 0  |
| 642  | Commercial Structures | Non-Participating    | Venice | 377309.21                          | 4730583.77 | 0:00  | 0   | 0:00  | 0  |
| 643  | Commercial Structures | Non-Participating    | Venice | 377273.80                          | 4730635.24 | 0:00  | 0   | 0:00  | 0  |
| 644  | Commercial Structures | Non-Participating    | Venice | 377211.24                          | 4730593.40 | 0:00  | 0   | 0:00  | 0  |
| 851  | Commercial Structures | Non-Participating    | Venice | 375606.86                          | 4731109.13 | 0:00  | 0   | 0:00  | 0  |
| 852  | Commercial Structures | Non-Participating    | Venice | 375642.23                          | 4730970.70 | 0:00  | 0   | 0:00  | 0  |
| 856  | Commercial Structures | Non-Participating    | Venice | 376197.45                          | 4730057.57 | 0:00  | 0   | 0:00  | 0  |
| 857  | Commercial Structures | Non-Participating    | Venice | 376203.31                          | 4730089.31 | 0:00  | 0   | 0:00  | 0  |
| 858  | Commercial Structures | Non-Participating    | Venice | 376160.30                          | 4730096.39 | 0:00  | 0   | 0:00  | 0  |
| 947  | Commercial Structures | Non-Participating    | Venice | 373323.73                          | 4730652.01 | 0:00  | 0   | 0:00  | 0  |
| 948  | Commercial Structures | Non-Participating    | Venice | 373316.14                          | 4730631.48 | 0:00  | 0   | 0:00  | 0  |
| 952  | Commercial Structures | Non-Participating    | Venice | 373403.36                          | 4730302.64 | 0:00  | 0   | 0:00  | 0  |
| 953  | Commercial Structures | Non-Participating    | Venice | 373414.31                          | 4730281.22 | 0:00  | 0   | 0:00  | 0  |
| 954  | Commercial Structures | Non-Participating    | Venice | 373428.88                          | 4730261.23 | 0:00  | 0   | 0:00  | 0  |
| 955  | Commercial Structures | Non-Participating    | Venice | 373437.69                          | 4730237.46 | 0:00  | 0   | 0:00  | 0  |
| 956  | Commercial Structures | Non-Participating    | Venice | 373380.13                          | 4730322.49 | 0:00  | 0   | 0:00  | 0  |
| 964  | Commercial Structures | Non-Participating    | Venice | 374022.73                          | 4729318.02 | 0:00  | 0   | 0:00  | 0  |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Commercial Receptors |                       |                      |        |                                    |            |   |   |   |  |
| 832  | Commercial Structures | Non-Participating    | Venice | 375402.48                          | 4732804.78 | 82:48   | 47  | 15:41   | 941  |
| 965  | Commercial Structures | Non-Participating    | Venice | 373896.31                          | 4729046.06 | 0:00  | 0   | 0:00  | 0  |

Table B-3.k: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Commercial and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type                | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                              |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 612  | Commercial Structure         | Participating        | Venice        | 377043.40                          | 4732110.62        | 105:48  | 80  | 22:50   | 1370  |
| 837  | Commercial Structures        | Participating        | Venice        | 375460.17                          | 4732386.58        | 236:00  | 116   | 47:12   | 2832  |
| 838  | Commercial Structures        | Participating        | Venice        | 375496.08                          | 4732391.07        | 211:45  | 109   | 44:15   | 2655  |
| 841  | Commercial Structures        | Participating        | Venice        | 375483.77                          | 4731549.15        | 84:18   | 68  | 24:00   | 1440  |
| 842  | Commercial Structures        | Participating        | Venice        | 375538.69                          | 4731579.34        | 81:17   | 57  | 22:22   | 1342  |
| 843  | Commercial Structures        | Participating        | Venice        | 375491.80                          | 4731460.74        | 53:34   | 54  | 15:31   | 931   |
| 844  | Commercial Structures        | Participating        | Venice        | 375529.33                          | 4731453.04        | 52:06   | 57  | 15:14   | 914   |
| 845  | Commercial Structures        | Participating        | Venice        | 375517.36                          | 4731360.16        | 15:46   | 34  | 4:26  | 266   |
| 846  | Commercial Structures        | Participating        | Venice        | 375522.38                          | 4731312.17        | 0:00  | 0   | 0:00  | 0   |
| 847  | Commercial Structures        | Participating        | Venice        | 375529.51                          | 4731261.99        | 0:00  | 0   | 0:00  | 0   |
| 1312   | Commercial Structures        | Participating        | Venice        | 375492.64                          | 4732334.89        | 258:59  | 109   | 57:37   | 3457  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Commercial Receptors |                              |                      |               |                                    |                   |   |   |   |   |
| <b>1312</b>  | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375492.64</b>                   | <b>4732334.89</b> | <b>258:59</b>   | <b>109</b>  | <b>57:37</b>  | <b>3457</b>   |
| <b>847</b>   | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375529.51</b>                   | <b>4731261.99</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.I: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Commercial and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID   | Receptor Type                | Participation Status | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|--|------------------------------|----------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|  |                              |                      |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 1312   | Commercial Structures        | Participating        | Venice        | 375492.64                          | 4732334.89        | 258:59  | 109   | 57:37   | 3457  |
| 837  | Commercial Structures        | Participating        | Venice        | 375460.17                          | 4732386.58        | 236:00  | 116   | 47:12   | 2832  |
| 838  | Commercial Structures        | Participating        | Venice        | 375496.08                          | 4732391.07        | 211:45  | 109   | 44:15   | 2655  |
| 841  | Commercial Structures        | Participating        | Venice        | 375483.77                          | 4731549.15        | 84:18   | 68  | 24:00   | 1440  |
| 612  | Commercial Structure         | Participating        | Venice        | 377043.40                          | 4732110.62        | 105:48  | 80  | 22:50   | 1370  |
| 842  | Commercial Structures        | Participating        | Venice        | 375538.69                          | 4731579.34        | 81:17   | 57  | 22:22   | 1342  |
| 843  | Commercial Structures        | Participating        | Venice        | 375491.80                          | 4731460.74        | 53:34   | 54  | 15:31   | 931   |
| 844  | Commercial Structures        | Participating        | Venice        | 375529.33                          | 4731453.04        | 52:06   | 57  | 15:14   | 914   |
| 845  | Commercial Structures        | Participating        | Venice        | 375517.36                          | 4731360.16        | 15:46   | 34  | 4:26  | 266   |
| 846  | Commercial Structures        | Participating        | Venice        | 375522.38                          | 4731312.17        | 0:00  | 0   | 0:00  | 0   |
| 847  | Commercial Structures        | Participating        | Venice        | 375529.51                          | 4731261.99        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Participating Commercial Receptors |                              |                      |               |                                    |                   |   |   |   |   |
| <b>1312</b>  | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375492.64</b>                   | <b>4732334.89</b> | <b>258:59</b>   | <b>109</b>  | <b>57:37</b>  | <b>3457</b>   |
| <b>847</b>   | <b>Commercial Structures</b> | <b>Participating</b> | <b>Venice</b> | <b>375529.51</b>                   | <b>4731261.99</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.m: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Other and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type           | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 801   | Other Structures        | Non-Participating        | Venice        | 374771.78                          | 4733967.85        | 68:50   | 57  | 18:26   | 1106  |
| 803   | Other Structures        | Non-Participating        | Venice        | 374997.51                          | 4733946.76        | 53:12   | 57  | 13:49   | 829   |
| 804   | Other Structures        | Non-Participating        | Venice        | 374953.36                          | 4733953.86        | 51:53   | 55  | 13:37   | 817   |
| 825   | Other Structures        | Non-Participating        | Venice        | 375497.74                          | 4732961.48        | 77:34   | 68  | 13:30   | 810   |
| 899   | Other Structures        | Non-Participating        | Venice        | 372713.58                          | 4733018.45        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Other Receptors |                         |                          |               |                                    |                   |   |   |   |   |
| <b>801</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>374771.78</b>                   | <b>4733967.85</b> | <b>68:50</b>  | <b>57</b>   | <b>18:26</b>  | <b>1106</b>   |
| <b>899</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372713.58</b>                   | <b>4733018.45</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.n: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Other and Non-Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type           | Participation Status     | Town          | Coordinates<br>NAD 83 UTM Zone 18N |                   | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|-------------------------|--------------------------|---------------|------------------------------------|-------------------|---|---|---|---|
|   |                         |                          |               | X<br>(m)                           | Y<br>(m)          |   |   |   |   |
| 801   | Other Structures        | Non-Participating        | Venice        | 374771.78                          | 4733967.85        | 68:50   | 57  | 18:26   | 1106  |
| 803   | Other Structures        | Non-Participating        | Venice        | 374997.51                          | 4733946.76        | 53:12   | 57  | 13:49   | 829   |
| 804   | Other Structures        | Non-Participating        | Venice        | 374953.36                          | 4733953.86        | 51:53   | 55  | 13:37   | 817   |
| 825   | Other Structures        | Non-Participating        | Venice        | 375497.74                          | 4732961.48        | 77:34   | 68  | 13:30   | 810   |
| 899   | Other Structures        | Non-Participating        | Venice        | 372713.58                          | 4733018.45        | 0:00  | 0   | 0:00  | 0   |
| Summary of Maximum and Minimum Shadow Flicker for Non-Participating Other Receptors |                         |                          |               |                                    |                   |   |   |   |   |
| <b>801</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>374771.78</b>                   | <b>4733967.85</b> | <b>68:50</b>  | <b>57</b>   | <b>18:26</b>  | <b>1106</b>   |
| <b>899</b>  | <b>Other Structures</b> | <b>Non-Participating</b> | <b>Venice</b> | <b>372713.58</b>                   | <b>4733018.45</b> | <b>0:00</b>   | <b>0</b>  | <b>0:00</b>   | <b>0</b>  |

Table B-3.o: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Other and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type    | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|   |                  |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 114:58  | 82  | 30:47   | 1847  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 88:30   | 73  | 23:58   | 1438  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Other Receptors |                  |                      |        |                                    |            |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 114:58  | 82  | 30:47   | 1847  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 88:30   | 73  | 23:58   | 1438  |

Table B-3.p: Unmitigated Total Project Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Other and Participating Receptors] - N149-4.X TS 108

| Modeling Receptor ID  | Receptor Type    | Participation Status | Town   | Coordinates<br>NAD 83 UTM Zone 18N |            | Project Only Worst Case<br>Shadow Flicker<br>[Hours per Year] | Project Only Maximum<br>Shadow Flicker<br>[Minutes per Day] | Project Only Expected<br>Shadow Flicker<br>[Hours per Year] | Project Only Expected<br>Shadow Flicker<br>[Minutes per Year] |
|---|------------------|----------------------|--------|------------------------------------|------------|---|---|---|---|
|   |                  |                      |        | X<br>(m)                           | Y<br>(m)   |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 114:58  | 82  | 30:47   | 1847  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 88:30   | 73  | 23:58   | 1438  |
| Summary of Maximum and Minimum Shadow Flicker for Participating Other Receptors |                  |                      |        |                                    |            |   |   |   |   |
| 509   | Other Structures | Participating        | Venice | 376816.43                          | 4734837.96 | 114:58  | 82  | 30:47   | 1847  |
| 510   | Other Structures | Participating        | Venice | 376813.45                          | 4734815.13 | 88:30   | 73  | 23:58   | 1438  |

**Appendix C**

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**Graphical & Tabular Calendars – Receptors Over 30 Hours Per Year  
(without Mitigation)**

CONFIDENTIAL INFORMATION

**THIS APPENDIX HAS BEEN REDACTED IN ITS ENTIRETY**

**Appendix D**

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**Vestas Shadow Flicker Control System**

CONFIDENTIAL INFORMATION

**THIS APPENDIX HAS BEEN REDACTED IN ITS ENTIRETY**

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**Appendix E**  
**Nordex Shadow Flicker Module**

CONFIDENTIAL INFORMATION

**THIS APPENDIX HAS BEEN REDACTED IN ITS ENTIRETY**

**Appendix F**

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**Possible Shadow Flicker Mitigation Periods**

Table F-1: Possible Shadow Flicker Mitigation Periods Sorted by Receptor ID

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 480         | 1/1/2025  | T-5             | 1/1/2025 14:31  | 1/1/2025 15:35  |
| 480         | 1/2/2025  | T-5             | 1/2/2025 14:32  | 1/2/2025 15:36  |
| 480         | 1/3/2025  | T-5             | 1/3/2025 14:32  | 1/3/2025 15:36  |
| 480         | 1/4/2025  | T-5             | 1/4/2025 14:33  | 1/4/2025 15:37  |
| 480         | 1/5/2025  | T-5             | 1/5/2025 14:34  | 1/5/2025 15:37  |
| 480         | 1/6/2025  | T-5             | 1/6/2025 14:35  | 1/6/2025 15:37  |
| 480         | 1/7/2025  | T-5             | 1/7/2025 14:34  | 1/7/2025 15:37  |
| 480         | 1/8/2025  | T-5             | 1/8/2025 14:35  | 1/8/2025 15:37  |
| 480         | 1/9/2025  | T-5             | 1/9/2025 14:36  | 1/9/2025 15:38  |
| 480         | 1/10/2025 | T-5             | 1/10/2025 14:37 | 1/10/2025 15:38 |
| 480         | 1/11/2025 | T-5             | 1/11/2025 14:37 | 1/11/2025 15:38 |
| 480         | 1/12/2025 | T-5             | 1/12/2025 14:38 | 1/12/2025 15:38 |
| 480         | 1/13/2025 | T-5             | 1/13/2025 14:38 | 1/13/2025 15:38 |
| 480         | 1/14/2025 | T-5             | 1/14/2025 14:40 | 1/14/2025 15:38 |
| 480         | 1/15/2025 | T-5             | 1/15/2025 14:40 | 1/15/2025 15:38 |
| 480         | 1/16/2025 | T-5             | 1/16/2025 14:41 | 1/16/2025 15:38 |
| 480         | 1/17/2025 | T-5             | 1/17/2025 14:42 | 1/17/2025 15:38 |
| 480         | 1/18/2025 | T-5             | 1/18/2025 14:43 | 1/18/2025 15:38 |
| 480         | 1/19/2025 | T-5             | 1/19/2025 14:44 | 1/19/2025 15:38 |
| 480         | 1/20/2025 | T-5             | 1/20/2025 14:44 | 1/20/2025 15:37 |
| 480         | 1/21/2025 | T-5             | 1/21/2025 14:46 | 1/21/2025 15:38 |
| 480         | 1/22/2025 | T-5             | 1/22/2025 14:47 | 1/22/2025 15:37 |
| 480         | 1/23/2025 | T-5             | 1/23/2025 14:48 | 1/23/2025 15:36 |
| 480         | 1/24/2025 | T-5             | 1/24/2025 14:49 | 1/24/2025 15:36 |
| 480         | 1/25/2025 | T-5             | 1/25/2025 14:51 | 1/25/2025 15:35 |
| 480         | 1/26/2025 | T-5             | 1/26/2025 14:52 | 1/26/2025 15:34 |
| 480         | 1/27/2025 | T-5             | 1/27/2025 14:54 | 1/27/2025 15:33 |
| 480         | 1/28/2025 | T-5             | 1/28/2025 14:57 | 1/28/2025 15:32 |
| 480         | 1/29/2025 | T-5             | 1/29/2025 14:59 | 1/29/2025 15:31 |
| 480         | 1/30/2025 | T-5             | 1/30/2025 15:01 | 1/30/2025 15:29 |
| 480         | 1/31/2025 | T-5             | 1/31/2025 15:03 | 1/31/2025 15:25 |
| 480         | 2/1/2025  | T-5             | 2/1/2025 15:08  | 2/1/2025 15:22  |
| 480         | 3/21/2025 | T-4             | 3/21/2025 18:20 | 3/21/2025 18:30 |
| 480         | 3/22/2025 | T-4             | 3/22/2025 18:13 | 3/22/2025 18:38 |
| 480         | 3/23/2025 | T-4             | 3/23/2025 18:08 | 3/23/2025 18:42 |
| 480         | 3/24/2025 | T-4             | 3/24/2025 18:04 | 3/24/2025 18:44 |
| 480         | 3/25/2025 | T-4             | 3/25/2025 18:01 | 3/25/2025 18:46 |
| 480         | 3/26/2025 | T-4             | 3/26/2025 17:59 | 3/26/2025 18:49 |
| 480         | 3/27/2025 | T-4             | 3/27/2025 17:57 | 3/27/2025 18:51 |
| 480         | 3/28/2025 | T-4             | 3/28/2025 17:55 | 3/28/2025 18:52 |
| 480         | 3/29/2025 | T-4             | 3/29/2025 17:52 | 3/29/2025 18:53 |
| 480         | 3/30/2025 | T-4             | 3/30/2025 17:51 | 3/30/2025 18:55 |
| 480         | 3/31/2025 | T-4             | 3/31/2025 17:50 | 3/31/2025 18:55 |
| 480         | 4/1/2025  | T-4             | 4/1/2025 17:48  | 4/1/2025 18:56  |
| 480         | 4/2/2025  | T-4             | 4/2/2025 17:46  | 4/2/2025 18:57  |
| 480         | 4/3/2025  | T-4             | 4/3/2025 17:46  | 4/3/2025 18:58  |
| 480         | 4/4/2025  | T-4             | 4/4/2025 17:45  | 4/4/2025 18:58  |
| 480         | 4/5/2025  | T-4             | 4/5/2025 17:43  | 4/5/2025 18:58  |
| 480         | 4/6/2025  | T-4             | 4/6/2025 17:42  | 4/6/2025 18:58  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 480         | 4/7/2025  | T-4             | 4/7/2025 17:42  | 4/7/2025 19:00  |
| 480         | 4/8/2025  | T-4             | 4/8/2025 17:41  | 4/8/2025 18:59  |
| 480         | 4/9/2025  | T-4             | 4/9/2025 17:40  | 4/9/2025 18:59  |
| 480         | 4/10/2025 | T-4             | 4/10/2025 17:40 | 4/10/2025 19:00 |
| 480         | 4/11/2025 | T-4             | 4/11/2025 17:39 | 4/11/2025 19:00 |
| 480         | 4/12/2025 | T-4             | 4/12/2025 17:38 | 4/12/2025 19:00 |
| 480         | 4/13/2025 | T-4             | 4/13/2025 17:39 | 4/13/2025 19:00 |
| 480         | 4/14/2025 | T-4             | 4/14/2025 17:38 | 4/14/2025 19:00 |
| 480         | 4/15/2025 | T-4             | 4/15/2025 17:37 | 4/15/2025 18:59 |
| 480         | 4/16/2025 | T-4             | 4/16/2025 17:38 | 4/16/2025 19:00 |
| 480         | 4/17/2025 | T-4             | 4/17/2025 17:37 | 4/17/2025 18:59 |
| 480         | 4/18/2025 | T-4             | 4/18/2025 17:38 | 4/18/2025 18:59 |
| 480         | 4/19/2025 | T-4             | 4/19/2025 17:37 | 4/19/2025 18:59 |
| 480         | 4/20/2025 | T-4             | 4/20/2025 17:37 | 4/20/2025 18:58 |
| 480         | 4/21/2025 | T-4             | 4/21/2025 17:37 | 4/21/2025 18:58 |
| 480         | 4/22/2025 | T-4             | 4/22/2025 17:37 | 4/22/2025 18:57 |
| 480         | 4/23/2025 | T-4             | 4/23/2025 17:38 | 4/23/2025 18:57 |
| 480         | 4/24/2025 | T-4             | 4/24/2025 17:38 | 4/24/2025 18:56 |
| 480         | 4/25/2025 | T-4             | 4/25/2025 17:38 | 4/25/2025 18:56 |
| 480         | 4/26/2025 | T-4             | 4/26/2025 17:39 | 4/26/2025 18:56 |
| 480         | 4/27/2025 | T-4             | 4/27/2025 17:39 | 4/27/2025 18:55 |
| 480         | 4/28/2025 | T-4             | 4/28/2025 17:40 | 4/28/2025 18:55 |
| 480         | 4/29/2025 | T-4             | 4/29/2025 17:40 | 4/29/2025 18:53 |
| 480         | 4/30/2025 | T-4             | 4/30/2025 17:41 | 4/30/2025 18:53 |
| 480         | 5/1/2025  | T-4             | 5/1/2025 17:42  | 5/1/2025 18:53  |
| 480         | 5/2/2025  | T-4             | 5/2/2025 17:42  | 5/2/2025 18:51  |
| 480         | 5/3/2025  | T-4             | 5/3/2025 17:43  | 5/3/2025 18:51  |
| 480         | 5/4/2025  | T-4             | 5/4/2025 17:44  | 5/4/2025 18:50  |
| 480         | 5/5/2025  | T-4             | 5/5/2025 17:44  | 5/5/2025 18:49  |
| 480         | 5/6/2025  | T-4             | 5/6/2025 17:45  | 5/6/2025 18:48  |
| 480         | 5/7/2025  | T-4             | 5/7/2025 17:46  | 5/7/2025 18:47  |
| 480         | 5/8/2025  | T-4             | 5/8/2025 17:47  | 5/8/2025 18:47  |
| 480         | 5/9/2025  | T-4             | 5/9/2025 17:49  | 5/9/2025 18:46  |
| 480         | 5/10/2025 | T-4             | 5/10/2025 17:50 | 5/10/2025 18:45 |
| 480         | 5/11/2025 | T-4             | 5/11/2025 17:50 | 5/11/2025 18:43 |
| 480         | 5/12/2025 | T-4             | 5/12/2025 17:51 | 5/12/2025 18:42 |
| 480         | 5/13/2025 | T-4             | 5/13/2025 17:53 | 5/13/2025 18:40 |
| 480         | 5/14/2025 | T-4             | 5/14/2025 17:54 | 5/14/2025 18:39 |
| 480         | 5/15/2025 | T-4             | 5/15/2025 17:56 | 5/15/2025 18:38 |
| 480         | 5/16/2025 | T-4             | 5/16/2025 17:57 | 5/16/2025 18:36 |
| 480         | 5/17/2025 | T-4             | 5/17/2025 17:59 | 5/17/2025 18:35 |
| 480         | 5/18/2025 | T-4             | 5/18/2025 18:01 | 5/18/2025 18:33 |
| 480         | 5/19/2025 | T-4             | 5/19/2025 18:04 | 5/19/2025 18:32 |
| 480         | 5/20/2025 | T-4             | 5/20/2025 18:06 | 5/20/2025 18:29 |
| 480         | 5/21/2025 | T-4             | 5/21/2025 18:09 | 5/21/2025 18:26 |
| 480         | 5/22/2025 | T-4             | 5/22/2025 18:14 | 5/22/2025 18:21 |
| 480         | 7/22/2025 | T-4             | 7/22/2025 18:25 | 7/22/2025 18:30 |
| 480         | 7/23/2025 | T-4             | 7/23/2025 18:20 | 7/23/2025 18:36 |
| 480         | 7/24/2025 | T-4             | 7/24/2025 18:17 | 7/24/2025 18:39 |
| 480         | 7/25/2025 | T-4             | 7/25/2025 18:14 | 7/25/2025 18:42 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 480         | 7/26/2025 | T-4             | 7/26/2025 18:12 | 7/26/2025 18:44 |
| 480         | 7/27/2025 | T-4             | 7/27/2025 18:10 | 7/27/2025 18:46 |
| 480         | 7/28/2025 | T-4             | 7/28/2025 18:09 | 7/28/2025 18:47 |
| 480         | 7/29/2025 | T-4             | 7/29/2025 18:07 | 7/29/2025 18:49 |
| 480         | 7/30/2025 | T-4             | 7/30/2025 18:05 | 7/30/2025 18:50 |
| 480         | 7/31/2025 | T-4             | 7/31/2025 18:04 | 7/31/2025 18:51 |
| 480         | 8/1/2025  | T-4             | 8/1/2025 18:03  | 8/1/2025 18:53  |
| 480         | 8/2/2025  | T-4             | 8/2/2025 18:01  | 8/2/2025 18:54  |
| 480         | 8/3/2025  | T-4             | 8/3/2025 18:00  | 8/3/2025 18:55  |
| 480         | 8/4/2025  | T-4             | 8/4/2025 17:59  | 8/4/2025 18:56  |
| 480         | 8/5/2025  | T-4             | 8/5/2025 17:58  | 8/5/2025 18:57  |
| 480         | 8/6/2025  | T-4             | 8/6/2025 17:57  | 8/6/2025 18:57  |
| 480         | 8/7/2025  | T-4             | 8/7/2025 17:55  | 8/7/2025 18:58  |
| 480         | 8/8/2025  | T-4             | 8/8/2025 17:54  | 8/8/2025 18:59  |
| 480         | 8/9/2025  | T-4             | 8/9/2025 17:53  | 8/9/2025 18:59  |
| 480         | 8/10/2025 | T-4             | 8/10/2025 17:52 | 8/10/2025 19:00 |
| 480         | 8/11/2025 | T-4             | 8/11/2025 17:51 | 8/11/2025 19:00 |
| 480         | 8/12/2025 | T-4             | 8/12/2025 17:50 | 8/12/2025 19:01 |
| 480         | 8/13/2025 | T-4             | 8/13/2025 17:49 | 8/13/2025 19:01 |
| 480         | 8/14/2025 | T-4             | 8/14/2025 17:48 | 8/14/2025 19:02 |
| 480         | 8/15/2025 | T-4             | 8/15/2025 17:47 | 8/15/2025 19:02 |
| 480         | 8/16/2025 | T-4             | 8/16/2025 17:47 | 8/16/2025 19:02 |
| 480         | 8/17/2025 | T-4             | 8/17/2025 17:46 | 8/17/2025 19:02 |
| 480         | 8/18/2025 | T-4             | 8/18/2025 17:45 | 8/18/2025 19:02 |
| 480         | 8/19/2025 | T-4             | 8/19/2025 17:44 | 8/19/2025 19:03 |
| 480         | 8/20/2025 | T-4             | 8/20/2025 17:43 | 8/20/2025 19:03 |
| 480         | 8/21/2025 | T-4             | 8/21/2025 17:43 | 8/21/2025 19:03 |
| 480         | 8/22/2025 | T-4             | 8/22/2025 17:42 | 8/22/2025 19:03 |
| 480         | 8/23/2025 | T-4             | 8/23/2025 17:42 | 8/23/2025 19:02 |
| 480         | 8/24/2025 | T-4             | 8/24/2025 17:41 | 8/24/2025 19:02 |
| 480         | 8/25/2025 | T-4             | 8/25/2025 17:40 | 8/25/2025 19:02 |
| 480         | 8/26/2025 | T-4             | 8/26/2025 17:40 | 8/26/2025 19:02 |
| 480         | 8/27/2025 | T-4             | 8/27/2025 17:39 | 8/27/2025 19:01 |
| 480         | 8/28/2025 | T-4             | 8/28/2025 17:39 | 8/28/2025 19:01 |
| 480         | 8/29/2025 | T-4             | 8/29/2025 17:39 | 8/29/2025 19:00 |
| 480         | 8/30/2025 | T-4             | 8/30/2025 17:38 | 8/30/2025 19:00 |
| 480         | 8/31/2025 | T-4             | 8/31/2025 17:38 | 8/31/2025 18:59 |
| 480         | 9/1/2025  | T-4             | 9/1/2025 17:38  | 9/1/2025 18:59  |
| 480         | 9/2/2025  | T-4             | 9/2/2025 17:38  | 9/2/2025 18:58  |
| 480         | 9/3/2025  | T-4             | 9/3/2025 17:38  | 9/3/2025 18:57  |
| 480         | 9/4/2025  | T-4             | 9/4/2025 17:37  | 9/4/2025 18:57  |
| 480         | 9/5/2025  | T-4             | 9/5/2025 17:38  | 9/5/2025 18:56  |
| 480         | 9/6/2025  | T-4             | 9/6/2025 17:38  | 9/6/2025 18:55  |
| 480         | 9/7/2025  | T-4             | 9/7/2025 17:38  | 9/7/2025 18:54  |
| 480         | 9/8/2025  | T-4             | 9/8/2025 17:38  | 9/8/2025 18:53  |
| 480         | 9/9/2025  | T-4             | 9/9/2025 17:39  | 9/9/2025 18:52  |
| 480         | 9/10/2025 | T-4             | 9/10/2025 17:40 | 9/10/2025 18:51 |
| 480         | 9/11/2025 | T-4             | 9/11/2025 17:40 | 9/11/2025 18:50 |
| 480         | 9/12/2025 | T-4             | 9/12/2025 17:41 | 9/12/2025 18:48 |
| 480         | 9/13/2025 | T-4             | 9/13/2025 17:42 | 9/13/2025 18:47 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 480         | 9/14/2025  | T-4             | 9/14/2025 17:42  | 9/14/2025 18:45  |
| 480         | 9/15/2025  | T-4             | 9/15/2025 17:43  | 9/15/2025 18:43  |
| 480         | 9/16/2025  | T-4             | 9/16/2025 17:45  | 9/16/2025 18:41  |
| 480         | 9/17/2025  | T-4             | 9/17/2025 17:46  | 9/17/2025 18:39  |
| 480         | 9/18/2025  | T-4             | 9/18/2025 17:48  | 9/18/2025 18:36  |
| 480         | 9/19/2025  | T-4             | 9/19/2025 17:49  | 9/19/2025 18:34  |
| 480         | 9/20/2025  | T-4             | 9/20/2025 17:52  | 9/20/2025 18:31  |
| 480         | 9/21/2025  | T-4             | 9/21/2025 17:55  | 9/21/2025 18:27  |
| 480         | 9/22/2025  | T-4             | 9/22/2025 17:59  | 9/22/2025 18:22  |
| 480         | 9/23/2025  | T-4             | 9/23/2025 18:07  | 9/23/2025 18:12  |
| 480         | 11/10/2025 | T-5             | 11/10/2025 14:43 | 11/10/2025 14:50 |
| 480         | 11/11/2025 | T-5             | 11/11/2025 14:37 | 11/11/2025 14:55 |
| 480         | 11/12/2025 | T-5             | 11/12/2025 14:33 | 11/12/2025 14:58 |
| 480         | 11/13/2025 | T-5             | 11/13/2025 14:32 | 11/13/2025 15:01 |
| 480         | 11/14/2025 | T-5             | 11/14/2025 14:29 | 11/14/2025 15:03 |
| 480         | 11/15/2025 | T-5             | 11/15/2025 14:27 | 11/15/2025 15:04 |
| 480         | 11/16/2025 | T-5             | 11/16/2025 14:27 | 11/16/2025 15:07 |
| 480         | 11/17/2025 | T-5             | 11/17/2025 14:25 | 11/17/2025 15:08 |
| 480         | 11/18/2025 | T-5             | 11/18/2025 14:25 | 11/18/2025 15:10 |
| 480         | 11/19/2025 | T-5             | 11/19/2025 14:23 | 11/19/2025 15:10 |
| 480         | 11/20/2025 | T-5             | 11/20/2025 14:22 | 11/20/2025 15:11 |
| 480         | 11/21/2025 | T-5             | 11/21/2025 14:21 | 11/21/2025 15:12 |
| 480         | 11/22/2025 | T-5             | 11/22/2025 14:22 | 11/22/2025 15:14 |
| 480         | 11/23/2025 | T-5             | 11/23/2025 14:21 | 11/23/2025 15:14 |
| 480         | 11/24/2025 | T-5             | 11/24/2025 14:20 | 11/24/2025 15:15 |
| 480         | 11/25/2025 | T-5             | 11/25/2025 14:21 | 11/25/2025 15:16 |
| 480         | 11/26/2025 | T-5             | 11/26/2025 14:20 | 11/26/2025 15:17 |
| 480         | 11/27/2025 | T-5             | 11/27/2025 14:20 | 11/27/2025 15:17 |
| 480         | 11/28/2025 | T-5             | 11/28/2025 14:19 | 11/28/2025 15:18 |
| 480         | 11/29/2025 | T-5             | 11/29/2025 14:19 | 11/29/2025 15:18 |
| 480         | 11/30/2025 | T-5             | 11/30/2025 14:20 | 11/30/2025 15:20 |
| 480         | 12/1/2025  | T-5             | 12/1/2025 14:20  | 12/1/2025 15:20  |
| 480         | 12/2/2025  | T-5             | 12/2/2025 14:20  | 12/2/2025 15:21  |
| 480         | 12/3/2025  | T-5             | 12/3/2025 14:20  | 12/3/2025 15:21  |
| 480         | 12/4/2025  | T-5             | 12/4/2025 14:20  | 12/4/2025 15:22  |
| 480         | 12/5/2025  | T-5             | 12/5/2025 14:20  | 12/5/2025 15:22  |
| 480         | 12/6/2025  | T-5             | 12/6/2025 14:20  | 12/6/2025 15:23  |
| 480         | 12/7/2025  | T-5             | 12/7/2025 14:20  | 12/7/2025 15:23  |
| 480         | 12/8/2025  | T-5             | 12/8/2025 14:21  | 12/8/2025 15:24  |
| 480         | 12/9/2025  | T-5             | 12/9/2025 14:21  | 12/9/2025 15:24  |
| 480         | 12/10/2025 | T-5             | 12/10/2025 14:21 | 12/10/2025 15:25 |
| 480         | 12/11/2025 | T-5             | 12/11/2025 14:22 | 12/11/2025 15:26 |
| 480         | 12/12/2025 | T-5             | 12/12/2025 14:22 | 12/12/2025 15:26 |
| 480         | 12/13/2025 | T-5             | 12/13/2025 14:23 | 12/13/2025 15:27 |
| 480         | 12/14/2025 | T-5             | 12/14/2025 14:22 | 12/14/2025 15:27 |
| 480         | 12/15/2025 | T-5             | 12/15/2025 14:23 | 12/15/2025 15:27 |
| 480         | 12/16/2025 | T-5             | 12/16/2025 14:24 | 12/16/2025 15:28 |
| 480         | 12/17/2025 | T-5             | 12/17/2025 14:23 | 12/17/2025 15:28 |
| 480         | 12/18/2025 | T-5             | 12/18/2025 14:24 | 12/18/2025 15:29 |
| 480         | 12/19/2025 | T-5             | 12/19/2025 14:25 | 12/19/2025 15:30 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 480         | 12/20/2025 | T-5             | 12/20/2025 14:25 | 12/20/2025 15:30 |
| 480         | 12/21/2025 | T-5             | 12/21/2025 14:26 | 12/21/2025 15:31 |
| 480         | 12/22/2025 | T-5             | 12/22/2025 14:26 | 12/22/2025 15:31 |
| 480         | 12/23/2025 | T-5             | 12/23/2025 14:27 | 12/23/2025 15:32 |
| 480         | 12/24/2025 | T-5             | 12/24/2025 14:27 | 12/24/2025 15:32 |
| 480         | 12/25/2025 | T-5             | 12/25/2025 14:27 | 12/25/2025 15:32 |
| 480         | 12/26/2025 | T-5             | 12/26/2025 14:28 | 12/26/2025 15:33 |
| 480         | 12/27/2025 | T-5             | 12/27/2025 14:28 | 12/27/2025 15:33 |
| 480         | 12/28/2025 | T-5             | 12/28/2025 14:29 | 12/28/2025 15:33 |
| 480         | 12/29/2025 | T-5             | 12/29/2025 14:29 | 12/29/2025 15:33 |
| 480         | 12/30/2025 | T-5             | 12/30/2025 14:30 | 12/30/2025 15:35 |
| 480         | 12/31/2025 | T-5             | 12/31/2025 14:31 | 12/31/2025 15:35 |
| 481         | 1/1/2025   | T-5             | 1/1/2025 14:47   | 1/1/2025 15:54   |
| 481         | 1/1/2025   | T-6             | 1/1/2025 9:49    | 1/1/2025 10:01   |
| 481         | 1/2/2025   | T-5             | 1/2/2025 14:47   | 1/2/2025 15:54   |
| 481         | 1/2/2025   | T-6             | 1/2/2025 9:52    | 1/2/2025 9:59    |
| 481         | 1/3/2025   | T-5             | 1/3/2025 14:47   | 1/3/2025 15:55   |
| 481         | 1/4/2025   | T-5             | 1/4/2025 14:48   | 1/4/2025 15:55   |
| 481         | 1/5/2025   | T-5             | 1/5/2025 14:48   | 1/5/2025 15:56   |
| 481         | 1/6/2025   | T-5             | 1/6/2025 14:49   | 1/6/2025 15:57   |
| 481         | 1/7/2025   | T-5             | 1/7/2025 14:48   | 1/7/2025 15:56   |
| 481         | 1/8/2025   | T-5             | 1/8/2025 14:49   | 1/8/2025 15:57   |
| 481         | 1/9/2025   | T-5             | 1/9/2025 14:49   | 1/9/2025 15:58   |
| 481         | 1/10/2025  | T-5             | 1/10/2025 14:50  | 1/10/2025 15:59  |
| 481         | 1/11/2025  | T-5             | 1/11/2025 14:50  | 1/11/2025 15:59  |
| 481         | 1/12/2025  | T-5             | 1/12/2025 14:51  | 1/12/2025 15:59  |
| 481         | 1/13/2025  | T-5             | 1/13/2025 14:50  | 1/13/2025 15:59  |
| 481         | 1/14/2025  | T-5             | 1/14/2025 14:51  | 1/14/2025 16:00  |
| 481         | 1/15/2025  | T-5             | 1/15/2025 14:51  | 1/15/2025 16:00  |
| 481         | 1/16/2025  | T-5             | 1/16/2025 14:52  | 1/16/2025 16:01  |
| 481         | 1/17/2025  | T-5             | 1/17/2025 14:52  | 1/17/2025 16:01  |
| 481         | 1/18/2025  | T-5             | 1/18/2025 14:53  | 1/18/2025 16:02  |
| 481         | 1/19/2025  | T-5             | 1/19/2025 14:53  | 1/19/2025 16:02  |
| 481         | 1/20/2025  | T-5             | 1/20/2025 14:53  | 1/20/2025 16:02  |
| 481         | 1/21/2025  | T-5             | 1/21/2025 14:54  | 1/21/2025 16:02  |
| 481         | 1/22/2025  | T-5             | 1/22/2025 14:55  | 1/22/2025 16:02  |
| 481         | 1/23/2025  | T-5             | 1/23/2025 14:55  | 1/23/2025 16:02  |
| 481         | 1/24/2025  | T-5             | 1/24/2025 14:55  | 1/24/2025 16:02  |
| 481         | 1/25/2025  | T-5             | 1/25/2025 14:56  | 1/25/2025 16:02  |
| 481         | 1/26/2025  | T-5             | 1/26/2025 14:56  | 1/26/2025 16:02  |
| 481         | 1/27/2025  | T-5             | 1/27/2025 14:57  | 1/27/2025 16:02  |
| 481         | 1/28/2025  | T-5             | 1/28/2025 14:59  | 1/28/2025 16:03  |
| 481         | 1/29/2025  | T-5             | 1/29/2025 14:59  | 1/29/2025 16:02  |
| 481         | 1/30/2025  | T-5             | 1/30/2025 15:00  | 1/30/2025 16:02  |
| 481         | 1/31/2025  | T-5             | 1/31/2025 15:00  | 1/31/2025 16:01  |
| 481         | 2/1/2025   | T-5             | 2/1/2025 15:01   | 2/1/2025 16:00   |
| 481         | 2/2/2025   | T-5             | 2/2/2025 15:02   | 2/2/2025 16:00   |
| 481         | 2/3/2025   | T-5             | 2/3/2025 15:03   | 2/3/2025 15:59   |
| 481         | 2/4/2025   | T-5             | 2/4/2025 15:05   | 2/4/2025 15:59   |
| 481         | 2/5/2025   | T-5             | 2/5/2025 15:06   | 2/5/2025 15:58   |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 481         | 2/6/2025  | T-5             | 2/6/2025 15:08  | 2/6/2025 15:58  |
| 481         | 2/7/2025  | T-5             | 2/7/2025 15:09  | 2/7/2025 15:56  |
| 481         | 2/8/2025  | T-5             | 2/8/2025 15:10  | 2/8/2025 15:55  |
| 481         | 2/9/2025  | T-5             | 2/9/2025 15:13  | 2/9/2025 15:54  |
| 481         | 2/10/2025 | T-5             | 2/10/2025 15:15 | 2/10/2025 15:52 |
| 481         | 2/11/2025 | T-5             | 2/11/2025 15:17 | 2/11/2025 15:50 |
| 481         | 2/12/2025 | T-5             | 2/12/2025 15:20 | 2/12/2025 15:47 |
| 481         | 2/13/2025 | T-5             | 2/13/2025 15:23 | 2/13/2025 15:43 |
| 481         | 2/14/2025 | T-5             | 2/14/2025 15:30 | 2/14/2025 15:37 |
| 481         | 4/7/2025  | T-4             | 4/7/2025 18:36  | 4/7/2025 18:57  |
| 481         | 4/8/2025  | T-4             | 4/8/2025 18:31  | 4/8/2025 19:01  |
| 481         | 4/9/2025  | T-4             | 4/9/2025 18:27  | 4/9/2025 19:04  |
| 481         | 4/10/2025 | T-4             | 4/10/2025 18:24 | 4/10/2025 19:07 |
| 481         | 4/11/2025 | T-4             | 4/11/2025 18:21 | 4/11/2025 19:09 |
| 481         | 4/12/2025 | T-4             | 4/12/2025 18:19 | 4/12/2025 19:10 |
| 481         | 4/13/2025 | T-4             | 4/13/2025 18:17 | 4/13/2025 19:12 |
| 481         | 4/14/2025 | T-4             | 4/14/2025 18:15 | 4/14/2025 19:13 |
| 481         | 4/15/2025 | T-4             | 4/15/2025 18:13 | 4/15/2025 19:14 |
| 481         | 4/16/2025 | T-4             | 4/16/2025 18:12 | 4/16/2025 19:16 |
| 481         | 4/17/2025 | T-4             | 4/17/2025 18:10 | 4/17/2025 19:16 |
| 481         | 4/18/2025 | T-4             | 4/18/2025 18:09 | 4/18/2025 19:18 |
| 481         | 4/19/2025 | T-4             | 4/19/2025 18:08 | 4/19/2025 19:18 |
| 481         | 4/20/2025 | T-4             | 4/20/2025 18:06 | 4/20/2025 19:18 |
| 481         | 4/21/2025 | T-4             | 4/21/2025 18:06 | 4/21/2025 19:19 |
| 481         | 4/22/2025 | T-4             | 4/22/2025 18:05 | 4/22/2025 19:19 |
| 481         | 4/23/2025 | T-4             | 4/23/2025 18:04 | 4/23/2025 19:20 |
| 481         | 4/24/2025 | T-4             | 4/24/2025 18:03 | 4/24/2025 19:20 |
| 481         | 4/25/2025 | T-4             | 4/25/2025 18:03 | 4/25/2025 19:21 |
| 481         | 4/26/2025 | T-4             | 4/26/2025 18:03 | 4/26/2025 19:22 |
| 481         | 4/27/2025 | T-4             | 4/27/2025 18:02 | 4/27/2025 19:21 |
| 481         | 4/28/2025 | T-4             | 4/28/2025 18:02 | 4/28/2025 19:22 |
| 481         | 4/29/2025 | T-4             | 4/29/2025 18:01 | 4/29/2025 19:21 |
| 481         | 4/30/2025 | T-4             | 4/30/2025 18:01 | 4/30/2025 19:22 |
| 481         | 5/1/2025  | T-4             | 5/1/2025 18:01  | 5/1/2025 19:22  |
| 481         | 5/2/2025  | T-4             | 5/2/2025 18:00  | 5/2/2025 19:22  |
| 481         | 5/3/2025  | T-4             | 5/3/2025 18:00  | 5/3/2025 19:22  |
| 481         | 5/4/2025  | T-4             | 5/4/2025 18:00  | 5/4/2025 19:22  |
| 481         | 5/5/2025  | T-4             | 5/5/2025 18:00  | 5/5/2025 19:22  |
| 481         | 5/6/2025  | T-4             | 5/6/2025 18:00  | 5/6/2025 19:22  |
| 481         | 5/7/2025  | T-4             | 5/7/2025 18:00  | 5/7/2025 19:22  |
| 481         | 5/8/2025  | T-4             | 5/8/2025 18:00  | 5/8/2025 19:22  |
| 481         | 5/9/2025  | T-4             | 5/9/2025 18:01  | 5/9/2025 19:22  |
| 481         | 5/10/2025 | T-4             | 5/10/2025 18:01 | 5/10/2025 19:22 |
| 481         | 5/11/2025 | T-4             | 5/11/2025 18:00 | 5/11/2025 19:21 |
| 481         | 5/12/2025 | T-4             | 5/12/2025 18:00 | 5/12/2025 19:21 |
| 481         | 5/13/2025 | T-4             | 5/13/2025 18:01 | 5/13/2025 19:21 |
| 481         | 5/14/2025 | T-4             | 5/14/2025 18:01 | 5/14/2025 19:21 |
| 481         | 5/15/2025 | T-4             | 5/15/2025 18:01 | 5/15/2025 19:20 |
| 481         | 5/16/2025 | T-4             | 5/16/2025 18:02 | 5/16/2025 19:20 |
| 481         | 5/17/2025 | T-4             | 5/17/2025 18:02 | 5/17/2025 19:20 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 481         | 5/18/2025 | T-4             | 5/18/2025 18:02 | 5/18/2025 19:19 |
| 481         | 5/19/2025 | T-4             | 5/19/2025 18:04 | 5/19/2025 19:20 |
| 481         | 5/20/2025 | T-4             | 5/20/2025 18:04 | 5/20/2025 19:20 |
| 481         | 5/21/2025 | T-4             | 5/21/2025 18:04 | 5/21/2025 19:19 |
| 481         | 5/22/2025 | T-4             | 5/22/2025 18:05 | 5/22/2025 19:19 |
| 481         | 5/23/2025 | T-4             | 5/23/2025 18:05 | 5/23/2025 19:18 |
| 481         | 5/24/2025 | T-4             | 5/24/2025 18:06 | 5/24/2025 19:19 |
| 481         | 5/25/2025 | T-4             | 5/25/2025 18:06 | 5/25/2025 19:18 |
| 481         | 5/26/2025 | T-4             | 5/26/2025 18:07 | 5/26/2025 19:18 |
| 481         | 5/27/2025 | T-4             | 5/27/2025 18:08 | 5/27/2025 19:18 |
| 481         | 5/28/2025 | T-4             | 5/28/2025 18:08 | 5/28/2025 19:17 |
| 481         | 5/29/2025 | T-4             | 5/29/2025 18:08 | 5/29/2025 19:17 |
| 481         | 5/30/2025 | T-4             | 5/30/2025 18:09 | 5/30/2025 19:17 |
| 481         | 5/31/2025 | T-4             | 5/31/2025 18:09 | 5/31/2025 19:16 |
| 481         | 6/1/2025  | T-4             | 6/1/2025 18:10  | 6/1/2025 19:16  |
| 481         | 6/2/2025  | T-4             | 6/2/2025 18:11  | 6/2/2025 19:16  |
| 481         | 6/3/2025  | T-4             | 6/3/2025 18:12  | 6/3/2025 19:16  |
| 481         | 6/4/2025  | T-4             | 6/4/2025 18:12  | 6/4/2025 19:16  |
| 481         | 6/5/2025  | T-4             | 6/5/2025 18:12  | 6/5/2025 19:15  |
| 481         | 6/6/2025  | T-4             | 6/6/2025 18:13  | 6/6/2025 19:15  |
| 481         | 6/7/2025  | T-4             | 6/7/2025 18:14  | 6/7/2025 19:15  |
| 481         | 6/8/2025  | T-4             | 6/8/2025 18:15  | 6/8/2025 19:16  |
| 481         | 6/9/2025  | T-4             | 6/9/2025 18:15  | 6/9/2025 19:15  |
| 481         | 6/10/2025 | T-4             | 6/10/2025 18:15 | 6/10/2025 19:15 |
| 481         | 6/11/2025 | T-4             | 6/11/2025 18:16 | 6/11/2025 19:15 |
| 481         | 6/12/2025 | T-4             | 6/12/2025 18:17 | 6/12/2025 19:15 |
| 481         | 6/13/2025 | T-4             | 6/13/2025 18:17 | 6/13/2025 19:15 |
| 481         | 6/14/2025 | T-4             | 6/14/2025 18:18 | 6/14/2025 19:15 |
| 481         | 6/15/2025 | T-4             | 6/15/2025 18:18 | 6/15/2025 19:15 |
| 481         | 6/16/2025 | T-4             | 6/16/2025 18:18 | 6/16/2025 19:15 |
| 481         | 6/17/2025 | T-4             | 6/17/2025 18:19 | 6/17/2025 19:15 |
| 481         | 6/18/2025 | T-4             | 6/18/2025 18:19 | 6/18/2025 19:15 |
| 481         | 6/19/2025 | T-4             | 6/19/2025 18:19 | 6/19/2025 19:15 |
| 481         | 6/20/2025 | T-4             | 6/20/2025 18:19 | 6/20/2025 19:15 |
| 481         | 6/21/2025 | T-4             | 6/21/2025 18:19 | 6/21/2025 19:15 |
| 481         | 6/22/2025 | T-4             | 6/22/2025 18:20 | 6/22/2025 19:16 |
| 481         | 6/23/2025 | T-4             | 6/23/2025 18:20 | 6/23/2025 19:16 |
| 481         | 6/24/2025 | T-4             | 6/24/2025 18:20 | 6/24/2025 19:16 |
| 481         | 6/25/2025 | T-4             | 6/25/2025 18:20 | 6/25/2025 19:16 |
| 481         | 6/26/2025 | T-4             | 6/26/2025 18:21 | 6/26/2025 19:17 |
| 481         | 6/27/2025 | T-4             | 6/27/2025 18:20 | 6/27/2025 19:17 |
| 481         | 6/28/2025 | T-4             | 6/28/2025 18:21 | 6/28/2025 19:18 |
| 481         | 6/29/2025 | T-4             | 6/29/2025 18:21 | 6/29/2025 19:18 |
| 481         | 6/30/2025 | T-4             | 6/30/2025 18:20 | 6/30/2025 19:18 |
| 481         | 7/1/2025  | T-4             | 7/1/2025 18:21  | 7/1/2025 19:19  |
| 481         | 7/2/2025  | T-4             | 7/2/2025 18:20  | 7/2/2025 19:19  |
| 481         | 7/3/2025  | T-4             | 7/3/2025 18:20  | 7/3/2025 19:20  |
| 481         | 7/4/2025  | T-4             | 7/4/2025 18:21  | 7/4/2025 19:21  |
| 481         | 7/5/2025  | T-4             | 7/5/2025 18:20  | 7/5/2025 19:21  |
| 481         | 7/6/2025  | T-4             | 7/6/2025 18:20  | 7/6/2025 19:21  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 481         | 7/7/2025  | T-4             | 7/7/2025 18:19  | 7/7/2025 19:21  |
| 481         | 7/8/2025  | T-4             | 7/8/2025 18:19  | 7/8/2025 19:22  |
| 481         | 7/9/2025  | T-4             | 7/9/2025 18:19  | 7/9/2025 19:23  |
| 481         | 7/10/2025 | T-4             | 7/10/2025 18:19 | 7/10/2025 19:23 |
| 481         | 7/11/2025 | T-4             | 7/11/2025 18:19 | 7/11/2025 19:24 |
| 481         | 7/12/2025 | T-4             | 7/12/2025 18:18 | 7/12/2025 19:24 |
| 481         | 7/13/2025 | T-4             | 7/13/2025 18:18 | 7/13/2025 19:25 |
| 481         | 7/14/2025 | T-4             | 7/14/2025 18:17 | 7/14/2025 19:25 |
| 481         | 7/15/2025 | T-4             | 7/15/2025 18:17 | 7/15/2025 19:26 |
| 481         | 7/16/2025 | T-4             | 7/16/2025 18:17 | 7/16/2025 19:26 |
| 481         | 7/17/2025 | T-4             | 7/17/2025 18:17 | 7/17/2025 19:27 |
| 481         | 7/18/2025 | T-4             | 7/18/2025 18:17 | 7/18/2025 19:28 |
| 481         | 7/19/2025 | T-4             | 7/19/2025 18:15 | 7/19/2025 19:27 |
| 481         | 7/20/2025 | T-4             | 7/20/2025 18:15 | 7/20/2025 19:28 |
| 481         | 7/21/2025 | T-4             | 7/21/2025 18:15 | 7/21/2025 19:28 |
| 481         | 7/22/2025 | T-4             | 7/22/2025 18:15 | 7/22/2025 19:29 |
| 481         | 7/23/2025 | T-4             | 7/23/2025 18:14 | 7/23/2025 19:29 |
| 481         | 7/24/2025 | T-4             | 7/24/2025 18:14 | 7/24/2025 19:30 |
| 481         | 7/25/2025 | T-4             | 7/25/2025 18:14 | 7/25/2025 19:30 |
| 481         | 7/26/2025 | T-4             | 7/26/2025 18:14 | 7/26/2025 19:31 |
| 481         | 7/27/2025 | T-4             | 7/27/2025 18:13 | 7/27/2025 19:31 |
| 481         | 7/28/2025 | T-4             | 7/28/2025 18:13 | 7/28/2025 19:31 |
| 481         | 7/29/2025 | T-4             | 7/29/2025 18:13 | 7/29/2025 19:31 |
| 481         | 7/30/2025 | T-4             | 7/30/2025 18:12 | 7/30/2025 19:32 |
| 481         | 7/31/2025 | T-4             | 7/31/2025 18:12 | 7/31/2025 19:32 |
| 481         | 8/1/2025  | T-4             | 8/1/2025 18:12  | 8/1/2025 19:32  |
| 481         | 8/2/2025  | T-4             | 8/2/2025 18:11  | 8/2/2025 19:32  |
| 481         | 8/3/2025  | T-4             | 8/3/2025 18:11  | 8/3/2025 19:32  |
| 481         | 8/4/2025  | T-4             | 8/4/2025 18:11  | 8/4/2025 19:32  |
| 481         | 8/5/2025  | T-4             | 8/5/2025 18:11  | 8/5/2025 19:32  |
| 481         | 8/6/2025  | T-4             | 8/6/2025 18:10  | 8/6/2025 19:32  |
| 481         | 8/7/2025  | T-4             | 8/7/2025 18:10  | 8/7/2025 19:32  |
| 481         | 8/8/2025  | T-4             | 8/8/2025 18:10  | 8/8/2025 19:32  |
| 481         | 8/9/2025  | T-4             | 8/9/2025 18:10  | 8/9/2025 19:32  |
| 481         | 8/10/2025 | T-4             | 8/10/2025 18:09 | 8/10/2025 19:31 |
| 481         | 8/11/2025 | T-4             | 8/11/2025 18:09 | 8/11/2025 19:31 |
| 481         | 8/12/2025 | T-4             | 8/12/2025 18:09 | 8/12/2025 19:31 |
| 481         | 8/13/2025 | T-4             | 8/13/2025 18:09 | 8/13/2025 19:30 |
| 481         | 8/14/2025 | T-4             | 8/14/2025 18:09 | 8/14/2025 19:30 |
| 481         | 8/15/2025 | T-4             | 8/15/2025 18:09 | 8/15/2025 19:29 |
| 481         | 8/16/2025 | T-4             | 8/16/2025 18:09 | 8/16/2025 19:29 |
| 481         | 8/17/2025 | T-4             | 8/17/2025 18:09 | 8/17/2025 19:28 |
| 481         | 8/18/2025 | T-4             | 8/18/2025 18:09 | 8/18/2025 19:27 |
| 481         | 8/19/2025 | T-4             | 8/19/2025 18:09 | 8/19/2025 19:27 |
| 481         | 8/20/2025 | T-4             | 8/20/2025 18:10 | 8/20/2025 19:26 |
| 481         | 8/21/2025 | T-4             | 8/21/2025 18:10 | 8/21/2025 19:25 |
| 481         | 8/22/2025 | T-4             | 8/22/2025 18:10 | 8/22/2025 19:24 |
| 481         | 8/23/2025 | T-4             | 8/23/2025 18:11 | 8/23/2025 19:23 |
| 481         | 8/24/2025 | T-4             | 8/24/2025 18:11 | 8/24/2025 19:22 |
| 481         | 8/25/2025 | T-4             | 8/25/2025 18:12 | 8/25/2025 19:21 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 481         | 8/26/2025  | T-4             | 8/26/2025 18:12  | 8/26/2025 19:19  |
| 481         | 8/27/2025  | T-4             | 8/27/2025 18:13  | 8/27/2025 19:18  |
| 481         | 8/28/2025  | T-4             | 8/28/2025 18:14  | 8/28/2025 19:16  |
| 481         | 8/29/2025  | T-4             | 8/29/2025 18:15  | 8/29/2025 19:15  |
| 481         | 8/30/2025  | T-4             | 8/30/2025 18:16  | 8/30/2025 19:13  |
| 481         | 8/31/2025  | T-4             | 8/31/2025 18:17  | 8/31/2025 19:11  |
| 481         | 9/1/2025   | T-4             | 9/1/2025 18:19   | 9/1/2025 19:09   |
| 481         | 9/2/2025   | T-4             | 9/2/2025 18:21   | 9/2/2025 19:06   |
| 481         | 9/3/2025   | T-4             | 9/3/2025 18:23   | 9/3/2025 19:03   |
| 481         | 9/4/2025   | T-4             | 9/4/2025 18:25   | 9/4/2025 19:00   |
| 481         | 9/5/2025   | T-4             | 9/5/2025 18:29   | 9/5/2025 18:56   |
| 481         | 9/6/2025   | T-4             | 9/6/2025 18:34   | 9/6/2025 18:50   |
| 481         | 10/29/2025 | T-5             | 10/29/2025 15:54 | 10/29/2025 16:11 |
| 481         | 10/30/2025 | T-5             | 10/30/2025 15:51 | 10/30/2025 16:16 |
| 481         | 10/31/2025 | T-5             | 10/31/2025 15:47 | 10/31/2025 16:18 |
| 481         | 11/1/2025  | T-5             | 11/1/2025 15:44  | 11/1/2025 16:20  |
| 481         | 11/2/2025  | T-5             | 11/2/2025 14:43  | 11/2/2025 15:23  |
| 481         | 11/3/2025  | T-5             | 11/3/2025 14:41  | 11/3/2025 15:24  |
| 481         | 11/4/2025  | T-5             | 11/4/2025 14:39  | 11/4/2025 15:25  |
| 481         | 11/5/2025  | T-5             | 11/5/2025 14:38  | 11/5/2025 15:27  |
| 481         | 11/6/2025  | T-5             | 11/6/2025 14:36  | 11/6/2025 15:27  |
| 481         | 11/7/2025  | T-5             | 11/7/2025 14:36  | 11/7/2025 15:29  |
| 481         | 11/8/2025  | T-5             | 11/8/2025 14:35  | 11/8/2025 15:30  |
| 481         | 11/9/2025  | T-5             | 11/9/2025 14:33  | 11/9/2025 15:30  |
| 481         | 11/10/2025 | T-5             | 11/10/2025 14:33 | 11/10/2025 15:32 |
| 481         | 11/11/2025 | T-5             | 11/11/2025 14:32 | 11/11/2025 15:32 |
| 481         | 11/12/2025 | T-5             | 11/12/2025 14:31 | 11/12/2025 15:32 |
| 481         | 11/13/2025 | T-5             | 11/13/2025 14:31 | 11/13/2025 15:34 |
| 481         | 11/14/2025 | T-5             | 11/14/2025 14:31 | 11/14/2025 15:34 |
| 481         | 11/15/2025 | T-5             | 11/15/2025 14:30 | 11/15/2025 15:34 |
| 481         | 11/16/2025 | T-5             | 11/16/2025 14:30 | 11/16/2025 15:35 |
| 481         | 11/17/2025 | T-5             | 11/17/2025 14:30 | 11/17/2025 15:36 |
| 481         | 11/18/2025 | T-5             | 11/18/2025 14:30 | 11/18/2025 15:37 |
| 481         | 11/19/2025 | T-5             | 11/19/2025 14:30 | 11/19/2025 15:37 |
| 481         | 11/20/2025 | T-5             | 11/20/2025 14:30 | 11/20/2025 15:37 |
| 481         | 11/21/2025 | T-5             | 11/21/2025 14:29 | 11/21/2025 15:37 |
| 481         | 11/22/2025 | T-5             | 11/22/2025 14:30 | 11/22/2025 15:38 |
| 481         | 11/23/2025 | T-5             | 11/23/2025 14:30 | 11/23/2025 15:38 |
| 481         | 11/24/2025 | T-5             | 11/24/2025 14:30 | 11/24/2025 15:38 |
| 481         | 11/25/2025 | T-5             | 11/25/2025 14:31 | 11/25/2025 15:39 |
| 481         | 11/26/2025 | T-5             | 11/26/2025 14:31 | 11/26/2025 15:39 |
| 481         | 11/27/2025 | T-5             | 11/27/2025 14:31 | 11/27/2025 15:40 |
| 481         | 11/28/2025 | T-5             | 11/28/2025 14:31 | 11/28/2025 15:40 |
| 481         | 11/29/2025 | T-5             | 11/29/2025 14:31 | 11/29/2025 15:40 |
| 481         | 11/30/2025 | T-5             | 11/30/2025 14:32 | 11/30/2025 15:41 |
| 481         | 12/1/2025  | T-5             | 12/1/2025 14:32  | 12/1/2025 15:41  |
| 481         | 12/2/2025  | T-5             | 12/2/2025 14:33  | 12/2/2025 15:41  |
| 481         | 12/3/2025  | T-5             | 12/3/2025 14:33  | 12/3/2025 15:41  |
| 481         | 12/4/2025  | T-5             | 12/4/2025 14:33  | 12/4/2025 15:42  |
| 481         | 12/5/2025  | T-5             | 12/5/2025 14:34  | 12/5/2025 15:42  |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 481         | 12/6/2025  | T-5             | 12/6/2025 14:34  | 12/6/2025 15:42  |
| 481         | 12/7/2025  | T-5             | 12/7/2025 14:35  | 12/7/2025 15:43  |
| 481         | 12/8/2025  | T-5             | 12/8/2025 14:35  | 12/8/2025 15:43  |
| 481         | 12/9/2025  | T-5             | 12/9/2025 14:36  | 12/9/2025 15:43  |
| 481         | 12/10/2025 | T-5             | 12/10/2025 14:36 | 12/10/2025 15:44 |
| 481         | 12/11/2025 | T-5             | 12/11/2025 14:37 | 12/11/2025 15:44 |
| 481         | 12/11/2025 | T-6             | 12/11/2025 9:41  | 12/11/2025 9:50  |
| 481         | 12/12/2025 | T-5             | 12/12/2025 14:38 | 12/12/2025 15:45 |
| 481         | 12/12/2025 | T-6             | 12/12/2025 9:39  | 12/12/2025 9:52  |
| 481         | 12/13/2025 | T-5             | 12/13/2025 14:38 | 12/13/2025 15:45 |
| 481         | 12/13/2025 | T-6             | 12/13/2025 9:38  | 12/13/2025 9:55  |
| 481         | 12/14/2025 | T-5             | 12/14/2025 14:38 | 12/14/2025 15:45 |
| 481         | 12/14/2025 | T-6             | 12/14/2025 9:37  | 12/14/2025 9:55  |
| 481         | 12/15/2025 | T-5             | 12/15/2025 14:39 | 12/15/2025 15:45 |
| 481         | 12/15/2025 | T-6             | 12/15/2025 9:37  | 12/15/2025 9:57  |
| 481         | 12/16/2025 | T-5             | 12/16/2025 14:40 | 12/16/2025 15:46 |
| 481         | 12/16/2025 | T-6             | 12/16/2025 9:37  | 12/16/2025 9:58  |
| 481         | 12/17/2025 | T-5             | 12/17/2025 14:39 | 12/17/2025 15:46 |
| 481         | 12/17/2025 | T-6             | 12/17/2025 9:36  | 12/17/2025 9:59  |
| 481         | 12/18/2025 | T-5             | 12/18/2025 14:40 | 12/18/2025 15:47 |
| 481         | 12/18/2025 | T-6             | 12/18/2025 9:36  | 12/18/2025 10:00 |
| 481         | 12/19/2025 | T-5             | 12/19/2025 14:41 | 12/19/2025 15:47 |
| 481         | 12/19/2025 | T-6             | 12/19/2025 9:37  | 12/19/2025 10:01 |
| 481         | 12/20/2025 | T-5             | 12/20/2025 14:41 | 12/20/2025 15:47 |
| 481         | 12/20/2025 | T-6             | 12/20/2025 9:37  | 12/20/2025 10:01 |
| 481         | 12/21/2025 | T-5             | 12/21/2025 14:42 | 12/21/2025 15:48 |
| 481         | 12/21/2025 | T-6             | 12/21/2025 9:38  | 12/21/2025 10:02 |
| 481         | 12/22/2025 | T-5             | 12/22/2025 14:42 | 12/22/2025 15:48 |
| 481         | 12/22/2025 | T-6             | 12/22/2025 9:37  | 12/22/2025 10:02 |
| 481         | 12/23/2025 | T-5             | 12/23/2025 14:43 | 12/23/2025 15:49 |
| 481         | 12/23/2025 | T-6             | 12/23/2025 9:39  | 12/23/2025 10:03 |
| 481         | 12/24/2025 | T-5             | 12/24/2025 14:43 | 12/24/2025 15:49 |
| 481         | 12/24/2025 | T-6             | 12/24/2025 9:39  | 12/24/2025 10:03 |
| 481         | 12/25/2025 | T-5             | 12/25/2025 14:43 | 12/25/2025 15:49 |
| 481         | 12/25/2025 | T-6             | 12/25/2025 9:39  | 12/25/2025 10:03 |
| 481         | 12/26/2025 | T-5             | 12/26/2025 14:44 | 12/26/2025 15:51 |
| 481         | 12/26/2025 | T-6             | 12/26/2025 9:40  | 12/26/2025 10:04 |
| 481         | 12/27/2025 | T-5             | 12/27/2025 14:44 | 12/27/2025 15:51 |
| 481         | 12/27/2025 | T-6             | 12/27/2025 9:41  | 12/27/2025 10:04 |
| 481         | 12/28/2025 | T-5             | 12/28/2025 14:45 | 12/28/2025 15:51 |
| 481         | 12/28/2025 | T-6             | 12/28/2025 9:42  | 12/28/2025 10:03 |
| 481         | 12/29/2025 | T-5             | 12/29/2025 14:45 | 12/29/2025 15:51 |
| 481         | 12/29/2025 | T-6             | 12/29/2025 9:43  | 12/29/2025 10:03 |
| 481         | 12/30/2025 | T-5             | 12/30/2025 14:46 | 12/30/2025 15:53 |
| 481         | 12/30/2025 | T-6             | 12/30/2025 9:45  | 12/30/2025 10:03 |
| 481         | 12/31/2025 | T-5             | 12/31/2025 14:46 | 12/31/2025 15:53 |
| 481         | 12/31/2025 | T-6             | 12/31/2025 9:46  | 12/31/2025 10:03 |
| 482         | 1/1/2025   | T-5             | 1/1/2025 15:06   | 1/1/2025 16:03   |
| 482         | 1/1/2025   | T-6             | 1/1/2025 8:44    | 1/1/2025 9:54    |
| 482         | 1/2/2025   | T-5             | 1/2/2025 15:06   | 1/2/2025 16:04   |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 482         | 1/2/2025  | T-6             | 1/2/2025 8:45   | 1/2/2025 9:54   |
| 482         | 1/3/2025  | T-5             | 1/3/2025 15:06  | 1/3/2025 16:05  |
| 482         | 1/3/2025  | T-6             | 1/3/2025 8:46   | 1/3/2025 9:55   |
| 482         | 1/4/2025  | T-5             | 1/4/2025 15:06  | 1/4/2025 16:06  |
| 482         | 1/4/2025  | T-6             | 1/4/2025 8:46   | 1/4/2025 9:55   |
| 482         | 1/5/2025  | T-5             | 1/5/2025 15:06  | 1/5/2025 16:07  |
| 482         | 1/5/2025  | T-6             | 1/5/2025 8:47   | 1/5/2025 9:56   |
| 482         | 1/6/2025  | T-5             | 1/6/2025 15:06  | 1/6/2025 16:08  |
| 482         | 1/6/2025  | T-6             | 1/6/2025 8:48   | 1/6/2025 9:56   |
| 482         | 1/7/2025  | T-5             | 1/7/2025 15:05  | 1/7/2025 16:08  |
| 482         | 1/7/2025  | T-6             | 1/7/2025 8:47   | 1/7/2025 9:55   |
| 482         | 1/8/2025  | T-5             | 1/8/2025 15:06  | 1/8/2025 16:09  |
| 482         | 1/8/2025  | T-6             | 1/8/2025 8:48   | 1/8/2025 9:56   |
| 482         | 1/9/2025  | T-5             | 1/9/2025 15:06  | 1/9/2025 16:10  |
| 482         | 1/9/2025  | T-6             | 1/9/2025 8:49   | 1/9/2025 9:56   |
| 482         | 1/10/2025 | T-5             | 1/10/2025 15:06 | 1/10/2025 16:11 |
| 482         | 1/10/2025 | T-6             | 1/10/2025 8:50  | 1/10/2025 9:57  |
| 482         | 1/11/2025 | T-5             | 1/11/2025 15:05 | 1/11/2025 16:11 |
| 482         | 1/11/2025 | T-6             | 1/11/2025 8:50  | 1/11/2025 9:56  |
| 482         | 1/12/2025 | T-5             | 1/12/2025 15:06 | 1/12/2025 16:13 |
| 482         | 1/12/2025 | T-6             | 1/12/2025 8:51  | 1/12/2025 9:56  |
| 482         | 1/13/2025 | T-5             | 1/13/2025 15:05 | 1/13/2025 16:13 |
| 482         | 1/13/2025 | T-6             | 1/13/2025 8:51  | 1/13/2025 9:56  |
| 482         | 1/14/2025 | T-5             | 1/14/2025 15:05 | 1/14/2025 16:14 |
| 482         | 1/14/2025 | T-6             | 1/14/2025 8:52  | 1/14/2025 9:56  |
| 482         | 1/15/2025 | T-5             | 1/15/2025 15:05 | 1/15/2025 16:15 |
| 482         | 1/15/2025 | T-6             | 1/15/2025 8:53  | 1/15/2025 9:56  |
| 482         | 1/16/2025 | T-5             | 1/16/2025 15:05 | 1/16/2025 16:16 |
| 482         | 1/16/2025 | T-6             | 1/16/2025 8:54  | 1/16/2025 9:56  |
| 482         | 1/17/2025 | T-5             | 1/17/2025 15:04 | 1/17/2025 16:16 |
| 482         | 1/17/2025 | T-6             | 1/17/2025 8:54  | 1/17/2025 9:55  |
| 482         | 1/18/2025 | T-5             | 1/18/2025 15:05 | 1/18/2025 16:18 |
| 482         | 1/18/2025 | T-6             | 1/18/2025 8:56  | 1/18/2025 9:56  |
| 482         | 1/19/2025 | T-5             | 1/19/2025 15:04 | 1/19/2025 16:18 |
| 482         | 1/19/2025 | T-6             | 1/19/2025 8:57  | 1/19/2025 9:55  |
| 482         | 1/20/2025 | T-5             | 1/20/2025 15:04 | 1/20/2025 16:19 |
| 482         | 1/20/2025 | T-6             | 1/20/2025 8:57  | 1/20/2025 9:54  |
| 482         | 1/21/2025 | T-5             | 1/21/2025 15:05 | 1/21/2025 16:20 |
| 482         | 1/21/2025 | T-6             | 1/21/2025 8:59  | 1/21/2025 9:54  |
| 482         | 1/22/2025 | T-5             | 1/22/2025 15:04 | 1/22/2025 16:21 |
| 482         | 1/22/2025 | T-6             | 1/22/2025 9:00  | 1/22/2025 9:53  |
| 482         | 1/23/2025 | T-5             | 1/23/2025 15:04 | 1/23/2025 16:21 |
| 482         | 1/23/2025 | T-6             | 1/23/2025 9:01  | 1/23/2025 9:52  |
| 482         | 1/24/2025 | T-5             | 1/24/2025 15:04 | 1/24/2025 16:22 |
| 482         | 1/24/2025 | T-6             | 1/24/2025 9:02  | 1/24/2025 9:51  |
| 482         | 1/25/2025 | T-5             | 1/25/2025 15:04 | 1/25/2025 16:22 |
| 482         | 1/25/2025 | T-6             | 1/25/2025 9:03  | 1/25/2025 9:50  |
| 482         | 1/26/2025 | T-5             | 1/26/2025 15:03 | 1/26/2025 16:23 |
| 482         | 1/26/2025 | T-6             | 1/26/2025 9:04  | 1/26/2025 9:49  |
| 482         | 1/27/2025 | T-5             | 1/27/2025 15:03 | 1/27/2025 16:23 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 482         | 1/27/2025 | T-6             | 1/27/2025 9:06  | 1/27/2025 9:48  |
| 482         | 1/28/2025 | T-5             | 1/28/2025 15:04 | 1/28/2025 16:24 |
| 482         | 1/28/2025 | T-6             | 1/28/2025 9:08  | 1/28/2025 9:47  |
| 482         | 1/29/2025 | T-5             | 1/29/2025 15:04 | 1/29/2025 16:25 |
| 482         | 1/29/2025 | T-6             | 1/29/2025 9:10  | 1/29/2025 9:45  |
| 482         | 1/30/2025 | T-5             | 1/30/2025 15:04 | 1/30/2025 16:25 |
| 482         | 1/30/2025 | T-6             | 1/30/2025 9:13  | 1/30/2025 9:43  |
| 482         | 1/31/2025 | T-5             | 1/31/2025 15:03 | 1/31/2025 16:25 |
| 482         | 1/31/2025 | T-6             | 1/31/2025 9:14  | 1/31/2025 9:39  |
| 482         | 2/1/2025  | T-5             | 2/1/2025 15:04  | 2/1/2025 16:25  |
| 482         | 2/1/2025  | T-6             | 2/1/2025 9:18   | 2/1/2025 9:36   |
| 482         | 2/2/2025  | T-5             | 2/2/2025 15:04  | 2/2/2025 16:26  |
| 482         | 2/3/2025  | T-5             | 2/3/2025 15:04  | 2/3/2025 16:26  |
| 482         | 2/4/2025  | T-5             | 2/4/2025 15:04  | 2/4/2025 16:26  |
| 482         | 2/5/2025  | T-5             | 2/5/2025 15:05  | 2/5/2025 16:27  |
| 482         | 2/6/2025  | T-5             | 2/6/2025 15:05  | 2/6/2025 16:27  |
| 482         | 2/7/2025  | T-5             | 2/7/2025 15:05  | 2/7/2025 16:26  |
| 482         | 2/8/2025  | T-5             | 2/8/2025 15:05  | 2/8/2025 16:26  |
| 482         | 2/9/2025  | T-5             | 2/9/2025 15:06  | 2/9/2025 16:27  |
| 482         | 2/10/2025 | T-5             | 2/10/2025 15:06 | 2/10/2025 16:27 |
| 482         | 2/11/2025 | T-5             | 2/11/2025 15:06 | 2/11/2025 16:26 |
| 482         | 2/12/2025 | T-5             | 2/12/2025 15:07 | 2/12/2025 16:26 |
| 482         | 2/13/2025 | T-5             | 2/13/2025 15:07 | 2/13/2025 16:25 |
| 482         | 2/14/2025 | T-5             | 2/14/2025 15:08 | 2/14/2025 16:25 |
| 482         | 2/15/2025 | T-5             | 2/15/2025 15:09 | 2/15/2025 16:25 |
| 482         | 2/16/2025 | T-5             | 2/16/2025 15:09 | 2/16/2025 16:24 |
| 482         | 2/17/2025 | T-5             | 2/17/2025 15:10 | 2/17/2025 16:24 |
| 482         | 2/18/2025 | T-5             | 2/18/2025 15:10 | 2/18/2025 16:23 |
| 482         | 2/19/2025 | T-5             | 2/19/2025 15:12 | 2/19/2025 16:23 |
| 482         | 2/20/2025 | T-5             | 2/20/2025 15:12 | 2/20/2025 16:21 |
| 482         | 2/21/2025 | T-5             | 2/21/2025 15:14 | 2/21/2025 16:21 |
| 482         | 2/22/2025 | T-5             | 2/22/2025 15:15 | 2/22/2025 16:19 |
| 482         | 2/23/2025 | T-5             | 2/23/2025 15:16 | 2/23/2025 16:19 |
| 482         | 2/24/2025 | T-5             | 2/24/2025 15:17 | 2/24/2025 16:17 |
| 482         | 2/25/2025 | T-5             | 2/25/2025 15:19 | 2/25/2025 16:16 |
| 482         | 2/26/2025 | T-5             | 2/26/2025 15:21 | 2/26/2025 16:14 |
| 482         | 2/27/2025 | T-5             | 2/27/2025 15:22 | 2/27/2025 16:12 |
| 482         | 2/28/2025 | T-5             | 2/28/2025 15:25 | 2/28/2025 16:11 |
| 482         | 3/1/2025  | T-5             | 3/1/2025 15:27  | 3/1/2025 16:08  |
| 482         | 3/2/2025  | T-5             | 3/2/2025 15:29  | 3/2/2025 16:05  |
| 482         | 3/3/2025  | T-5             | 3/3/2025 15:33  | 3/3/2025 16:03  |
| 482         | 3/4/2025  | T-5             | 3/4/2025 15:37  | 3/4/2025 15:58  |
| 482         | 5/10/2025 | T-4             | 5/10/2025 19:15 | 5/10/2025 19:32 |
| 482         | 5/11/2025 | T-4             | 5/11/2025 19:10 | 5/11/2025 19:36 |
| 482         | 5/12/2025 | T-4             | 5/12/2025 19:06 | 5/12/2025 19:39 |
| 482         | 5/13/2025 | T-4             | 5/13/2025 19:04 | 5/13/2025 19:42 |
| 482         | 5/14/2025 | T-4             | 5/14/2025 19:02 | 5/14/2025 19:44 |
| 482         | 5/15/2025 | T-4             | 5/15/2025 19:00 | 5/15/2025 19:46 |
| 482         | 5/16/2025 | T-4             | 5/16/2025 18:58 | 5/16/2025 19:47 |
| 482         | 5/17/2025 | T-4             | 5/17/2025 18:56 | 5/17/2025 19:49 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 482         | 5/18/2025 | T-4             | 5/18/2025 18:55 | 5/18/2025 19:50 |
| 482         | 5/19/2025 | T-4             | 5/19/2025 18:55 | 5/19/2025 19:52 |
| 482         | 5/20/2025 | T-4             | 5/20/2025 18:54 | 5/20/2025 19:53 |
| 482         | 5/21/2025 | T-4             | 5/21/2025 18:52 | 5/21/2025 19:54 |
| 482         | 5/22/2025 | T-4             | 5/22/2025 18:51 | 5/22/2025 19:55 |
| 482         | 5/23/2025 | T-4             | 5/23/2025 18:50 | 5/23/2025 19:56 |
| 482         | 5/24/2025 | T-4             | 5/24/2025 18:50 | 5/24/2025 19:57 |
| 482         | 5/25/2025 | T-4             | 5/25/2025 18:49 | 5/25/2025 19:58 |
| 482         | 5/26/2025 | T-4             | 5/26/2025 18:48 | 5/26/2025 19:58 |
| 482         | 5/27/2025 | T-4             | 5/27/2025 18:49 | 5/27/2025 20:00 |
| 482         | 5/28/2025 | T-4             | 5/28/2025 18:48 | 5/28/2025 20:00 |
| 482         | 5/29/2025 | T-4             | 5/29/2025 18:47 | 5/29/2025 20:00 |
| 482         | 5/30/2025 | T-4             | 5/30/2025 18:47 | 5/30/2025 20:01 |
| 482         | 5/31/2025 | T-4             | 5/31/2025 18:46 | 5/31/2025 20:02 |
| 482         | 6/1/2025  | T-4             | 6/1/2025 18:46  | 6/1/2025 20:03  |
| 482         | 6/2/2025  | T-4             | 6/2/2025 18:46  | 6/2/2025 20:03  |
| 482         | 6/3/2025  | T-4             | 6/3/2025 18:46  | 6/3/2025 20:04  |
| 482         | 6/4/2025  | T-4             | 6/4/2025 18:46  | 6/4/2025 20:04  |
| 482         | 6/5/2025  | T-4             | 6/5/2025 18:45  | 6/5/2025 20:04  |
| 482         | 6/6/2025  | T-4             | 6/6/2025 18:45  | 6/6/2025 20:05  |
| 482         | 6/7/2025  | T-4             | 6/7/2025 18:46  | 6/7/2025 20:06  |
| 482         | 6/8/2025  | T-4             | 6/8/2025 18:46  | 6/8/2025 20:06  |
| 482         | 6/9/2025  | T-4             | 6/9/2025 18:45  | 6/9/2025 20:06  |
| 482         | 6/10/2025 | T-4             | 6/10/2025 18:45 | 6/10/2025 20:07 |
| 482         | 6/11/2025 | T-4             | 6/11/2025 18:45 | 6/11/2025 20:07 |
| 482         | 6/12/2025 | T-4             | 6/12/2025 18:46 | 6/12/2025 20:08 |
| 482         | 6/13/2025 | T-4             | 6/13/2025 18:46 | 6/13/2025 20:08 |
| 482         | 6/14/2025 | T-4             | 6/14/2025 18:46 | 6/14/2025 20:08 |
| 482         | 6/15/2025 | T-4             | 6/15/2025 18:46 | 6/15/2025 20:09 |
| 482         | 6/16/2025 | T-4             | 6/16/2025 18:46 | 6/16/2025 20:09 |
| 482         | 6/17/2025 | T-4             | 6/17/2025 18:46 | 6/17/2025 20:09 |
| 482         | 6/18/2025 | T-4             | 6/18/2025 18:46 | 6/18/2025 20:09 |
| 482         | 6/19/2025 | T-4             | 6/19/2025 18:46 | 6/19/2025 20:10 |
| 482         | 6/20/2025 | T-4             | 6/20/2025 18:46 | 6/20/2025 20:10 |
| 482         | 6/21/2025 | T-4             | 6/21/2025 18:46 | 6/21/2025 20:10 |
| 482         | 6/22/2025 | T-4             | 6/22/2025 18:47 | 6/22/2025 20:11 |
| 482         | 6/23/2025 | T-4             | 6/23/2025 18:47 | 6/23/2025 20:11 |
| 482         | 6/24/2025 | T-4             | 6/24/2025 18:47 | 6/24/2025 20:11 |
| 482         | 6/25/2025 | T-4             | 6/25/2025 18:48 | 6/25/2025 20:11 |
| 482         | 6/26/2025 | T-4             | 6/26/2025 18:48 | 6/26/2025 20:11 |
| 482         | 6/27/2025 | T-4             | 6/27/2025 18:48 | 6/27/2025 20:11 |
| 482         | 6/28/2025 | T-4             | 6/28/2025 18:49 | 6/28/2025 20:12 |
| 482         | 6/29/2025 | T-4             | 6/29/2025 18:49 | 6/29/2025 20:11 |
| 482         | 6/30/2025 | T-4             | 6/30/2025 18:49 | 6/30/2025 20:11 |
| 482         | 7/1/2025  | T-4             | 7/1/2025 18:50  | 7/1/2025 20:12  |
| 482         | 7/2/2025  | T-4             | 7/2/2025 18:49  | 7/2/2025 20:11  |
| 482         | 7/3/2025  | T-4             | 7/3/2025 18:50  | 7/3/2025 20:12  |
| 482         | 7/4/2025  | T-4             | 7/4/2025 18:51  | 7/4/2025 20:12  |
| 482         | 7/5/2025  | T-4             | 7/5/2025 18:51  | 7/5/2025 20:11  |
| 482         | 7/6/2025  | T-4             | 7/6/2025 18:52  | 7/6/2025 20:12  |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 482         | 7/7/2025   | T-4             | 7/7/2025 18:51   | 7/7/2025 20:11   |
| 482         | 7/8/2025   | T-4             | 7/8/2025 18:52   | 7/8/2025 20:11   |
| 482         | 7/9/2025   | T-4             | 7/9/2025 18:53   | 7/9/2025 20:11   |
| 482         | 7/10/2025  | T-4             | 7/10/2025 18:53  | 7/10/2025 20:11  |
| 482         | 7/11/2025  | T-4             | 7/11/2025 18:54  | 7/11/2025 20:11  |
| 482         | 7/12/2025  | T-4             | 7/12/2025 18:54  | 7/12/2025 20:11  |
| 482         | 7/13/2025  | T-4             | 7/13/2025 18:55  | 7/13/2025 20:11  |
| 482         | 7/14/2025  | T-4             | 7/14/2025 18:55  | 7/14/2025 20:09  |
| 482         | 7/15/2025  | T-4             | 7/15/2025 18:56  | 7/15/2025 20:09  |
| 482         | 7/16/2025  | T-4             | 7/16/2025 18:57  | 7/16/2025 20:09  |
| 482         | 7/17/2025  | T-4             | 7/17/2025 18:58  | 7/17/2025 20:09  |
| 482         | 7/18/2025  | T-4             | 7/18/2025 18:58  | 7/18/2025 20:08  |
| 482         | 7/19/2025  | T-4             | 7/19/2025 18:58  | 7/19/2025 20:07  |
| 482         | 7/20/2025  | T-4             | 7/20/2025 18:59  | 7/20/2025 20:06  |
| 482         | 7/21/2025  | T-4             | 7/21/2025 19:00  | 7/21/2025 20:06  |
| 482         | 7/22/2025  | T-4             | 7/22/2025 19:01  | 7/22/2025 20:05  |
| 482         | 7/23/2025  | T-4             | 7/23/2025 19:02  | 7/23/2025 20:04  |
| 482         | 7/24/2025  | T-4             | 7/24/2025 19:04  | 7/24/2025 20:03  |
| 482         | 7/25/2025  | T-4             | 7/25/2025 19:05  | 7/25/2025 20:02  |
| 482         | 7/26/2025  | T-4             | 7/26/2025 19:06  | 7/26/2025 20:01  |
| 482         | 7/27/2025  | T-4             | 7/27/2025 19:07  | 7/27/2025 20:00  |
| 482         | 7/28/2025  | T-4             | 7/28/2025 19:09  | 7/28/2025 19:59  |
| 482         | 7/29/2025  | T-4             | 7/29/2025 19:11  | 7/29/2025 19:57  |
| 482         | 7/30/2025  | T-4             | 7/30/2025 19:12  | 7/30/2025 19:55  |
| 482         | 7/31/2025  | T-4             | 7/31/2025 19:15  | 7/31/2025 19:53  |
| 482         | 8/1/2025   | T-4             | 8/1/2025 19:17   | 8/1/2025 19:51   |
| 482         | 8/2/2025   | T-4             | 8/2/2025 19:20   | 8/2/2025 19:47   |
| 482         | 8/3/2025   | T-4             | 8/3/2025 19:24   | 8/3/2025 19:43   |
| 482         | 10/10/2025 | T-5             | 10/10/2025 16:12 | 10/10/2025 16:32 |
| 482         | 10/11/2025 | T-5             | 10/11/2025 16:08 | 10/11/2025 16:36 |
| 482         | 10/12/2025 | T-5             | 10/12/2025 16:04 | 10/12/2025 16:39 |
| 482         | 10/13/2025 | T-5             | 10/13/2025 16:00 | 10/13/2025 16:41 |
| 482         | 10/14/2025 | T-5             | 10/14/2025 15:57 | 10/14/2025 16:43 |
| 482         | 10/15/2025 | T-5             | 10/15/2025 15:55 | 10/15/2025 16:44 |
| 482         | 10/16/2025 | T-5             | 10/16/2025 15:53 | 10/16/2025 16:46 |
| 482         | 10/17/2025 | T-5             | 10/17/2025 15:51 | 10/17/2025 16:47 |
| 482         | 10/18/2025 | T-5             | 10/18/2025 15:49 | 10/18/2025 16:48 |
| 482         | 10/19/2025 | T-5             | 10/19/2025 15:47 | 10/19/2025 16:49 |
| 482         | 10/20/2025 | T-5             | 10/20/2025 15:46 | 10/20/2025 16:50 |
| 482         | 10/21/2025 | T-5             | 10/21/2025 15:45 | 10/21/2025 16:51 |
| 482         | 10/22/2025 | T-5             | 10/22/2025 15:43 | 10/22/2025 16:51 |
| 482         | 10/23/2025 | T-5             | 10/23/2025 15:42 | 10/23/2025 16:53 |
| 482         | 10/24/2025 | T-5             | 10/24/2025 15:41 | 10/24/2025 16:53 |
| 482         | 10/25/2025 | T-5             | 10/25/2025 15:40 | 10/25/2025 16:53 |
| 482         | 10/26/2025 | T-5             | 10/26/2025 15:39 | 10/26/2025 16:53 |
| 482         | 10/27/2025 | T-5             | 10/27/2025 15:39 | 10/27/2025 16:55 |
| 482         | 10/28/2025 | T-5             | 10/28/2025 15:37 | 10/28/2025 16:55 |
| 482         | 10/29/2025 | T-5             | 10/29/2025 15:37 | 10/29/2025 16:55 |
| 482         | 10/30/2025 | T-5             | 10/30/2025 15:37 | 10/30/2025 16:56 |
| 482         | 10/31/2025 | T-5             | 10/31/2025 15:36 | 10/31/2025 16:55 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 482         | 11/1/2025  | T-5             | 11/1/2025 15:35  | 11/1/2025 16:55  |
| 482         | 11/2/2025  | T-5             | 11/2/2025 14:35  | 11/2/2025 15:56  |
| 482         | 11/3/2025  | T-5             | 11/3/2025 14:35  | 11/3/2025 15:56  |
| 482         | 11/4/2025  | T-5             | 11/4/2025 14:34  | 11/4/2025 15:56  |
| 482         | 11/5/2025  | T-5             | 11/5/2025 14:35  | 11/5/2025 15:57  |
| 482         | 11/6/2025  | T-5             | 11/6/2025 14:34  | 11/6/2025 15:56  |
| 482         | 11/7/2025  | T-5             | 11/7/2025 14:35  | 11/7/2025 15:57  |
| 482         | 11/8/2025  | T-5             | 11/8/2025 14:35  | 11/8/2025 15:57  |
| 482         | 11/9/2025  | T-5             | 11/9/2025 14:34  | 11/9/2025 15:56  |
| 482         | 11/10/2025 | T-5             | 11/10/2025 14:35 | 11/10/2025 15:57 |
| 482         | 11/10/2025 | T-6             | 11/10/2025 8:53  | 11/10/2025 9:05  |
| 482         | 11/11/2025 | T-5             | 11/11/2025 14:35 | 11/11/2025 15:56 |
| 482         | 11/11/2025 | T-6             | 11/11/2025 8:48  | 11/11/2025 9:09  |
| 482         | 11/12/2025 | T-5             | 11/12/2025 14:35 | 11/12/2025 15:56 |
| 482         | 11/12/2025 | T-6             | 11/12/2025 8:44  | 11/12/2025 9:12  |
| 482         | 11/13/2025 | T-5             | 11/13/2025 14:36 | 11/13/2025 15:57 |
| 482         | 11/13/2025 | T-6             | 11/13/2025 8:43  | 11/13/2025 9:16  |
| 482         | 11/14/2025 | T-5             | 11/14/2025 14:36 | 11/14/2025 15:56 |
| 482         | 11/14/2025 | T-6             | 11/14/2025 8:41  | 11/14/2025 9:18  |
| 482         | 11/15/2025 | T-5             | 11/15/2025 14:36 | 11/15/2025 15:56 |
| 482         | 11/15/2025 | T-6             | 11/15/2025 8:39  | 11/15/2025 9:19  |
| 482         | 11/16/2025 | T-5             | 11/16/2025 14:37 | 11/16/2025 15:56 |
| 482         | 11/16/2025 | T-6             | 11/16/2025 8:38  | 11/16/2025 9:22  |
| 482         | 11/17/2025 | T-5             | 11/17/2025 14:37 | 11/17/2025 15:56 |
| 482         | 11/17/2025 | T-6             | 11/17/2025 8:37  | 11/17/2025 9:23  |
| 482         | 11/18/2025 | T-5             | 11/18/2025 14:38 | 11/18/2025 15:56 |
| 482         | 11/18/2025 | T-6             | 11/18/2025 8:37  | 11/18/2025 9:25  |
| 482         | 11/19/2025 | T-5             | 11/19/2025 14:38 | 11/19/2025 15:56 |
| 482         | 11/19/2025 | T-6             | 11/19/2025 8:36  | 11/19/2025 9:26  |
| 482         | 11/20/2025 | T-5             | 11/20/2025 14:39 | 11/20/2025 15:56 |
| 482         | 11/20/2025 | T-6             | 11/20/2025 8:35  | 11/20/2025 9:27  |
| 482         | 11/21/2025 | T-5             | 11/21/2025 14:39 | 11/21/2025 15:55 |
| 482         | 11/21/2025 | T-6             | 11/21/2025 8:34  | 11/21/2025 9:28  |
| 482         | 11/22/2025 | T-5             | 11/22/2025 14:40 | 11/22/2025 15:56 |
| 482         | 11/22/2025 | T-6             | 11/22/2025 8:34  | 11/22/2025 9:30  |
| 482         | 11/23/2025 | T-5             | 11/23/2025 14:41 | 11/23/2025 15:55 |
| 482         | 11/23/2025 | T-6             | 11/23/2025 8:34  | 11/23/2025 9:31  |
| 482         | 11/24/2025 | T-5             | 11/24/2025 14:41 | 11/24/2025 15:55 |
| 482         | 11/24/2025 | T-6             | 11/24/2025 8:33  | 11/24/2025 9:32  |
| 482         | 11/25/2025 | T-5             | 11/25/2025 14:43 | 11/25/2025 15:55 |
| 482         | 11/25/2025 | T-6             | 11/25/2025 8:33  | 11/25/2025 9:33  |
| 482         | 11/26/2025 | T-5             | 11/26/2025 14:43 | 11/26/2025 15:55 |
| 482         | 11/26/2025 | T-6             | 11/26/2025 8:33  | 11/26/2025 9:34  |
| 482         | 11/27/2025 | T-5             | 11/27/2025 14:44 | 11/27/2025 15:55 |
| 482         | 11/27/2025 | T-6             | 11/27/2025 8:33  | 11/27/2025 9:35  |
| 482         | 11/28/2025 | T-5             | 11/28/2025 14:44 | 11/28/2025 15:54 |
| 482         | 11/28/2025 | T-6             | 11/28/2025 8:32  | 11/28/2025 9:35  |
| 482         | 11/29/2025 | T-5             | 11/29/2025 14:45 | 11/29/2025 15:54 |
| 482         | 11/29/2025 | T-6             | 11/29/2025 8:32  | 11/29/2025 9:36  |
| 482         | 11/30/2025 | T-5             | 11/30/2025 14:47 | 11/30/2025 15:55 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 482         | 11/30/2025 | T-6             | 11/30/2025 8:33  | 11/30/2025 9:38  |
| 482         | 12/1/2025  | T-5             | 12/1/2025 14:47  | 12/1/2025 15:54  |
| 482         | 12/1/2025  | T-6             | 12/1/2025 8:33   | 12/1/2025 9:38   |
| 482         | 12/2/2025  | T-5             | 12/2/2025 14:48  | 12/2/2025 15:54  |
| 482         | 12/2/2025  | T-6             | 12/2/2025 8:33   | 12/2/2025 9:39   |
| 482         | 12/3/2025  | T-5             | 12/3/2025 14:49  | 12/3/2025 15:54  |
| 482         | 12/3/2025  | T-6             | 12/3/2025 8:33   | 12/3/2025 9:39   |
| 482         | 12/4/2025  | T-5             | 12/4/2025 14:50  | 12/4/2025 15:54  |
| 482         | 12/4/2025  | T-6             | 12/4/2025 8:33   | 12/4/2025 9:40   |
| 482         | 12/5/2025  | T-5             | 12/5/2025 14:50  | 12/5/2025 15:53  |
| 482         | 12/5/2025  | T-6             | 12/5/2025 8:33   | 12/5/2025 9:41   |
| 482         | 12/6/2025  | T-5             | 12/6/2025 14:51  | 12/6/2025 15:53  |
| 482         | 12/6/2025  | T-6             | 12/6/2025 8:33   | 12/6/2025 9:41   |
| 482         | 12/7/2025  | T-5             | 12/7/2025 14:52  | 12/7/2025 15:53  |
| 482         | 12/7/2025  | T-6             | 12/7/2025 8:33   | 12/7/2025 9:42   |
| 482         | 12/8/2025  | T-5             | 12/8/2025 14:53  | 12/8/2025 15:53  |
| 482         | 12/8/2025  | T-6             | 12/8/2025 8:34   | 12/8/2025 9:42   |
| 482         | 12/9/2025  | T-5             | 12/9/2025 14:54  | 12/9/2025 15:53  |
| 482         | 12/9/2025  | T-6             | 12/9/2025 8:34   | 12/9/2025 9:43   |
| 482         | 12/10/2025 | T-5             | 12/10/2025 14:55 | 12/10/2025 15:53 |
| 482         | 12/10/2025 | T-6             | 12/10/2025 8:34  | 12/10/2025 9:44  |
| 482         | 12/11/2025 | T-5             | 12/11/2025 14:56 | 12/11/2025 15:54 |
| 482         | 12/11/2025 | T-6             | 12/11/2025 8:35  | 12/11/2025 9:44  |
| 482         | 12/12/2025 | T-5             | 12/12/2025 14:57 | 12/12/2025 15:54 |
| 482         | 12/12/2025 | T-6             | 12/12/2025 8:35  | 12/12/2025 9:45  |
| 482         | 12/13/2025 | T-5             | 12/13/2025 14:58 | 12/13/2025 15:54 |
| 482         | 12/13/2025 | T-6             | 12/13/2025 8:36  | 12/13/2025 9:46  |
| 482         | 12/14/2025 | T-5             | 12/14/2025 14:58 | 12/14/2025 15:53 |
| 482         | 12/14/2025 | T-6             | 12/14/2025 8:35  | 12/14/2025 9:46  |
| 482         | 12/15/2025 | T-5             | 12/15/2025 14:59 | 12/15/2025 15:54 |
| 482         | 12/15/2025 | T-6             | 12/15/2025 8:36  | 12/15/2025 9:46  |
| 482         | 12/16/2025 | T-5             | 12/16/2025 15:00 | 12/16/2025 15:54 |
| 482         | 12/16/2025 | T-6             | 12/16/2025 8:37  | 12/16/2025 9:47  |
| 482         | 12/17/2025 | T-5             | 12/17/2025 15:00 | 12/17/2025 15:54 |
| 482         | 12/17/2025 | T-6             | 12/17/2025 8:36  | 12/17/2025 9:47  |
| 482         | 12/18/2025 | T-5             | 12/18/2025 15:01 | 12/18/2025 15:55 |
| 482         | 12/18/2025 | T-6             | 12/18/2025 8:37  | 12/18/2025 9:48  |
| 482         | 12/19/2025 | T-5             | 12/19/2025 15:02 | 12/19/2025 15:55 |
| 482         | 12/19/2025 | T-6             | 12/19/2025 8:38  | 12/19/2025 9:49  |
| 482         | 12/20/2025 | T-5             | 12/20/2025 15:02 | 12/20/2025 15:55 |
| 482         | 12/20/2025 | T-6             | 12/20/2025 8:38  | 12/20/2025 9:49  |
| 482         | 12/21/2025 | T-5             | 12/21/2025 15:03 | 12/21/2025 15:56 |
| 482         | 12/21/2025 | T-6             | 12/21/2025 8:39  | 12/21/2025 9:50  |
| 482         | 12/22/2025 | T-5             | 12/22/2025 15:03 | 12/22/2025 15:56 |
| 482         | 12/22/2025 | T-6             | 12/22/2025 8:39  | 12/22/2025 9:50  |
| 482         | 12/23/2025 | T-5             | 12/23/2025 15:04 | 12/23/2025 15:57 |
| 482         | 12/23/2025 | T-6             | 12/23/2025 8:40  | 12/23/2025 9:51  |
| 482         | 12/24/2025 | T-5             | 12/24/2025 15:04 | 12/24/2025 15:57 |
| 482         | 12/24/2025 | T-6             | 12/24/2025 8:40  | 12/24/2025 9:51  |
| 482         | 12/25/2025 | T-5             | 12/25/2025 15:04 | 12/25/2025 15:57 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 482         | 12/25/2025 | T-6             | 12/25/2025 8:40  | 12/25/2025 9:51  |
| 482         | 12/26/2025 | T-5             | 12/26/2025 15:05 | 12/26/2025 15:59 |
| 482         | 12/26/2025 | T-6             | 12/26/2025 8:41  | 12/26/2025 9:52  |
| 482         | 12/27/2025 | T-5             | 12/27/2025 15:05 | 12/27/2025 15:59 |
| 482         | 12/27/2025 | T-6             | 12/27/2025 8:41  | 12/27/2025 9:52  |
| 482         | 12/28/2025 | T-5             | 12/28/2025 15:05 | 12/28/2025 15:59 |
| 482         | 12/28/2025 | T-6             | 12/28/2025 8:42  | 12/28/2025 9:52  |
| 482         | 12/29/2025 | T-5             | 12/29/2025 15:05 | 12/29/2025 16:00 |
| 482         | 12/29/2025 | T-6             | 12/29/2025 8:42  | 12/29/2025 9:52  |
| 482         | 12/30/2025 | T-5             | 12/30/2025 15:06 | 12/30/2025 16:01 |
| 482         | 12/30/2025 | T-6             | 12/30/2025 8:43  | 12/30/2025 9:54  |
| 482         | 12/31/2025 | T-5             | 12/31/2025 15:06 | 12/31/2025 16:02 |
| 482         | 12/31/2025 | T-6             | 12/31/2025 8:44  | 12/31/2025 9:54  |
| 484         | 1/1/2025   | T-10            | 1/1/2025 8:44    | 1/1/2025 8:55    |
| 484         | 1/2/2025   | T-10            | 1/2/2025 8:46    | 1/2/2025 8:54    |
| 484         | 1/3/2025   | T-10            | 1/3/2025 8:50    | 1/3/2025 8:51    |
| 484         | 2/5/2025   | T-7             | 2/5/2025 16:07   | 2/5/2025 16:16   |
| 484         | 2/6/2025   | T-7             | 2/6/2025 15:59   | 2/6/2025 16:25   |
| 484         | 2/7/2025   | T-7             | 2/7/2025 15:54   | 2/7/2025 16:29   |
| 484         | 2/8/2025   | T-7             | 2/8/2025 15:50   | 2/8/2025 16:33   |
| 484         | 2/9/2025   | T-7             | 2/9/2025 15:47   | 2/9/2025 16:36   |
| 484         | 2/10/2025  | T-7             | 2/10/2025 15:44  | 2/10/2025 16:38  |
| 484         | 2/11/2025  | T-7             | 2/11/2025 15:42  | 2/11/2025 16:41  |
| 484         | 2/12/2025  | T-7             | 2/12/2025 15:40  | 2/12/2025 16:43  |
| 484         | 2/13/2025  | T-7             | 2/13/2025 15:38  | 2/13/2025 16:45  |
| 484         | 2/14/2025  | T-7             | 2/14/2025 15:36  | 2/14/2025 16:47  |
| 484         | 2/15/2025  | T-7             | 2/15/2025 15:35  | 2/15/2025 16:49  |
| 484         | 2/16/2025  | T-7             | 2/16/2025 15:32  | 2/16/2025 16:50  |
| 484         | 2/17/2025  | T-7             | 2/17/2025 15:31  | 2/17/2025 16:52  |
| 484         | 2/18/2025  | T-7             | 2/18/2025 15:29  | 2/18/2025 16:53  |
| 484         | 2/19/2025  | T-7             | 2/19/2025 15:28  | 2/19/2025 16:55  |
| 484         | 2/20/2025  | T-7             | 2/20/2025 15:27  | 2/20/2025 16:55  |
| 484         | 2/21/2025  | T-7             | 2/21/2025 15:26  | 2/21/2025 16:57  |
| 484         | 2/22/2025  | T-7             | 2/22/2025 15:24  | 2/22/2025 16:58  |
| 484         | 2/23/2025  | T-7             | 2/23/2025 15:24  | 2/23/2025 16:59  |
| 484         | 2/24/2025  | T-7             | 2/24/2025 15:22  | 2/24/2025 16:59  |
| 484         | 2/25/2025  | T-7             | 2/25/2025 15:21  | 2/25/2025 17:00  |
| 484         | 2/25/2025  | T-3             | 2/25/2025 17:25  | 2/25/2025 17:27  |
| 484         | 2/26/2025  | T-7             | 2/26/2025 15:20  | 2/26/2025 17:01  |
| 484         | 2/26/2025  | T-3             | 2/26/2025 17:24  | 2/26/2025 17:29  |
| 484         | 2/27/2025  | T-7             | 2/27/2025 15:19  | 2/27/2025 17:01  |
| 484         | 2/27/2025  | T-3             | 2/27/2025 17:22  | 2/27/2025 17:30  |
| 484         | 2/28/2025  | T-7             | 2/28/2025 15:19  | 2/28/2025 17:03  |
| 484         | 2/28/2025  | T-3             | 2/28/2025 17:22  | 2/28/2025 17:32  |
| 484         | 3/1/2025   | T-7             | 3/1/2025 15:18   | 3/1/2025 17:03   |
| 484         | 3/1/2025   | T-3             | 3/1/2025 17:21   | 3/1/2025 17:33   |
| 484         | 3/2/2025   | T-7             | 3/2/2025 15:17   | 3/2/2025 17:03   |
| 484         | 3/2/2025   | T-3             | 3/2/2025 17:20   | 3/2/2025 17:34   |
| 484         | 3/3/2025   | T-7             | 3/3/2025 15:17   | 3/3/2025 17:04   |
| 484         | 3/3/2025   | T-3             | 3/3/2025 17:20   | 3/3/2025 17:35   |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 484         | 3/4/2025  | T-7             | 3/4/2025 15:16  | 3/4/2025 17:04  |
| 484         | 3/4/2025  | T-3             | 3/4/2025 17:19  | 3/4/2025 17:36  |
| 484         | 3/5/2025  | T-7             | 3/5/2025 15:15  | 3/5/2025 17:04  |
| 484         | 3/5/2025  | T-3             | 3/5/2025 17:19  | 3/5/2025 17:37  |
| 484         | 3/6/2025  | T-7             | 3/6/2025 15:15  | 3/6/2025 17:05  |
| 484         | 3/6/2025  | T-3             | 3/6/2025 17:20  | 3/6/2025 17:39  |
| 484         | 3/7/2025  | T-7             | 3/7/2025 15:14  | 3/7/2025 17:05  |
| 484         | 3/7/2025  | T-3             | 3/7/2025 17:20  | 3/7/2025 17:40  |
| 484         | 3/8/2025  | T-7             | 3/8/2025 15:13  | 3/8/2025 17:05  |
| 484         | 3/8/2025  | T-3             | 3/8/2025 17:20  | 3/8/2025 17:41  |
| 484         | 3/9/2025  | T-7             | 3/9/2025 16:13  | 3/9/2025 18:05  |
| 484         | 3/9/2025  | T-3             | 3/9/2025 18:21  | 3/9/2025 18:40  |
| 484         | 3/10/2025 | T-7             | 3/10/2025 16:13 | 3/10/2025 18:05 |
| 484         | 3/10/2025 | T-3             | 3/10/2025 18:23 | 3/10/2025 18:39 |
| 484         | 3/11/2025 | T-7             | 3/11/2025 16:12 | 3/11/2025 18:05 |
| 484         | 3/11/2025 | T-3             | 3/11/2025 18:26 | 3/11/2025 18:35 |
| 484         | 3/12/2025 | T-7             | 3/12/2025 16:12 | 3/12/2025 18:05 |
| 484         | 3/13/2025 | T-7             | 3/13/2025 16:13 | 3/13/2025 18:05 |
| 484         | 3/14/2025 | T-7             | 3/14/2025 16:12 | 3/14/2025 18:05 |
| 484         | 3/15/2025 | T-7             | 3/15/2025 16:12 | 3/15/2025 18:05 |
| 484         | 3/16/2025 | T-7             | 3/16/2025 16:12 | 3/16/2025 18:04 |
| 484         | 3/17/2025 | T-7             | 3/17/2025 16:12 | 3/17/2025 18:05 |
| 484         | 3/18/2025 | T-7             | 3/18/2025 16:12 | 3/18/2025 18:04 |
| 484         | 3/19/2025 | T-7             | 3/19/2025 16:12 | 3/19/2025 18:03 |
| 484         | 3/20/2025 | T-7             | 3/20/2025 16:12 | 3/20/2025 18:03 |
| 484         | 3/21/2025 | T-7             | 3/21/2025 16:12 | 3/21/2025 18:02 |
| 484         | 3/22/2025 | T-7             | 3/22/2025 16:13 | 3/22/2025 18:02 |
| 484         | 3/23/2025 | T-7             | 3/23/2025 16:13 | 3/23/2025 18:02 |
| 484         | 3/24/2025 | T-7             | 3/24/2025 16:14 | 3/24/2025 18:01 |
| 484         | 3/25/2025 | T-7             | 3/25/2025 16:14 | 3/25/2025 18:00 |
| 484         | 3/26/2025 | T-7             | 3/26/2025 16:15 | 3/26/2025 18:00 |
| 484         | 3/27/2025 | T-7             | 3/27/2025 16:15 | 3/27/2025 17:59 |
| 484         | 3/28/2025 | T-7             | 3/28/2025 16:16 | 3/28/2025 17:58 |
| 484         | 3/29/2025 | T-7             | 3/29/2025 16:16 | 3/29/2025 17:57 |
| 484         | 3/30/2025 | T-7             | 3/30/2025 16:18 | 3/30/2025 17:57 |
| 484         | 3/31/2025 | T-7             | 3/31/2025 16:18 | 3/31/2025 17:56 |
| 484         | 4/1/2025  | T-7             | 4/1/2025 16:19  | 4/1/2025 17:54  |
| 484         | 4/2/2025  | T-7             | 4/2/2025 16:20  | 4/2/2025 17:53  |
| 484         | 4/3/2025  | T-7             | 4/3/2025 16:21  | 4/3/2025 17:53  |
| 484         | 4/4/2025  | T-7             | 4/4/2025 16:22  | 4/4/2025 17:51  |
| 484         | 4/5/2025  | T-7             | 4/5/2025 16:23  | 4/5/2025 17:50  |
| 484         | 4/6/2025  | T-7             | 4/6/2025 16:24  | 4/6/2025 17:48  |
| 484         | 4/7/2025  | T-7             | 4/7/2025 16:26  | 4/7/2025 17:48  |
| 484         | 4/8/2025  | T-7             | 4/8/2025 16:27  | 4/8/2025 17:46  |
| 484         | 4/9/2025  | T-7             | 4/9/2025 16:28  | 4/9/2025 17:44  |
| 484         | 4/10/2025 | T-7             | 4/10/2025 16:30 | 4/10/2025 17:43 |
| 484         | 4/11/2025 | T-7             | 4/11/2025 16:31 | 4/11/2025 17:42 |
| 484         | 4/12/2025 | T-7             | 4/12/2025 16:32 | 4/12/2025 17:40 |
| 484         | 4/13/2025 | T-7             | 4/13/2025 16:35 | 4/13/2025 17:38 |
| 484         | 4/14/2025 | T-7             | 4/14/2025 16:36 | 4/14/2025 17:36 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 484         | 4/15/2025 | T-7             | 4/15/2025 16:38 | 4/15/2025 17:34 |
| 484         | 4/16/2025 | T-7             | 4/16/2025 16:40 | 4/16/2025 17:32 |
| 484         | 4/17/2025 | T-7             | 4/17/2025 16:42 | 4/17/2025 17:29 |
| 484         | 4/18/2025 | T-7             | 4/18/2025 16:46 | 4/18/2025 17:27 |
| 484         | 4/19/2025 | T-7             | 4/19/2025 16:48 | 4/19/2025 17:24 |
| 484         | 4/20/2025 | T-7             | 4/20/2025 16:51 | 4/20/2025 17:20 |
| 484         | 4/21/2025 | T-7             | 4/21/2025 16:57 | 4/21/2025 17:15 |
| 484         | 8/22/2025 | T-7             | 8/22/2025 17:04 | 8/22/2025 17:17 |
| 484         | 8/23/2025 | T-7             | 8/23/2025 16:58 | 8/23/2025 17:23 |
| 484         | 8/24/2025 | T-7             | 8/24/2025 16:53 | 8/24/2025 17:26 |
| 484         | 8/25/2025 | T-7             | 8/25/2025 16:49 | 8/25/2025 17:29 |
| 484         | 8/26/2025 | T-7             | 8/26/2025 16:46 | 8/26/2025 17:31 |
| 484         | 8/27/2025 | T-7             | 8/27/2025 16:43 | 8/27/2025 17:33 |
| 484         | 8/28/2025 | T-7             | 8/28/2025 16:40 | 8/28/2025 17:35 |
| 484         | 8/29/2025 | T-7             | 8/29/2025 16:38 | 8/29/2025 17:36 |
| 484         | 8/30/2025 | T-7             | 8/30/2025 16:35 | 8/30/2025 17:37 |
| 484         | 8/31/2025 | T-7             | 8/31/2025 16:33 | 8/31/2025 17:39 |
| 484         | 9/1/2025  | T-7             | 9/1/2025 16:31  | 9/1/2025 17:40  |
| 484         | 9/2/2025  | T-7             | 9/2/2025 16:29  | 9/2/2025 17:41  |
| 484         | 9/3/2025  | T-7             | 9/3/2025 16:26  | 9/3/2025 17:41  |
| 484         | 9/4/2025  | T-7             | 9/4/2025 16:24  | 9/4/2025 17:42  |
| 484         | 9/5/2025  | T-7             | 9/5/2025 16:22  | 9/5/2025 17:43  |
| 484         | 9/6/2025  | T-7             | 9/6/2025 16:21  | 9/6/2025 17:44  |
| 484         | 9/7/2025  | T-7             | 9/7/2025 16:19  | 9/7/2025 17:44  |
| 484         | 9/8/2025  | T-7             | 9/8/2025 16:17  | 9/8/2025 17:45  |
| 484         | 9/9/2025  | T-7             | 9/9/2025 16:16  | 9/9/2025 17:46  |
| 484         | 9/10/2025 | T-7             | 9/10/2025 16:14 | 9/10/2025 17:46 |
| 484         | 9/11/2025 | T-7             | 9/11/2025 16:13 | 9/11/2025 17:47 |
| 484         | 9/12/2025 | T-7             | 9/12/2025 16:11 | 9/12/2025 17:47 |
| 484         | 9/13/2025 | T-7             | 9/13/2025 16:10 | 9/13/2025 17:47 |
| 484         | 9/14/2025 | T-7             | 9/14/2025 16:08 | 9/14/2025 17:47 |
| 484         | 9/15/2025 | T-7             | 9/15/2025 16:07 | 9/15/2025 17:48 |
| 484         | 9/16/2025 | T-7             | 9/16/2025 16:05 | 9/16/2025 17:48 |
| 484         | 9/17/2025 | T-7             | 9/17/2025 16:04 | 9/17/2025 17:48 |
| 484         | 9/18/2025 | T-7             | 9/18/2025 16:03 | 9/18/2025 17:48 |
| 484         | 9/19/2025 | T-7             | 9/19/2025 16:01 | 9/19/2025 17:48 |
| 484         | 9/20/2025 | T-7             | 9/20/2025 16:00 | 9/20/2025 17:47 |
| 484         | 9/21/2025 | T-7             | 9/21/2025 15:59 | 9/21/2025 17:47 |
| 484         | 9/22/2025 | T-7             | 9/22/2025 15:58 | 9/22/2025 17:47 |
| 484         | 9/23/2025 | T-7             | 9/23/2025 15:57 | 9/23/2025 17:47 |
| 484         | 9/24/2025 | T-7             | 9/24/2025 15:56 | 9/24/2025 17:47 |
| 484         | 9/25/2025 | T-7             | 9/25/2025 15:55 | 9/25/2025 17:46 |
| 484         | 9/26/2025 | T-7             | 9/26/2025 15:54 | 9/26/2025 17:46 |
| 484         | 9/27/2025 | T-7             | 9/27/2025 15:54 | 9/27/2025 17:46 |
| 484         | 9/28/2025 | T-7             | 9/28/2025 15:53 | 9/28/2025 17:46 |
| 484         | 9/29/2025 | T-7             | 9/29/2025 15:53 | 9/29/2025 17:46 |
| 484         | 9/30/2025 | T-7             | 9/30/2025 15:52 | 9/30/2025 17:45 |
| 484         | 10/1/2025 | T-7             | 10/1/2025 15:51 | 10/1/2025 17:44 |
| 484         | 10/2/2025 | T-7             | 10/2/2025 15:51 | 10/2/2025 17:44 |
| 484         | 10/3/2025 | T-7             | 10/3/2025 15:50 | 10/3/2025 17:43 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 484         | 10/3/2025  | T-3             | 10/3/2025 18:04  | 10/3/2025 18:13  |
| 484         | 10/4/2025  | T-7             | 10/4/2025 15:50  | 10/4/2025 17:42  |
| 484         | 10/4/2025  | T-3             | 10/4/2025 18:00  | 10/4/2025 18:15  |
| 484         | 10/5/2025  | T-7             | 10/5/2025 15:51  | 10/5/2025 17:43  |
| 484         | 10/5/2025  | T-3             | 10/5/2025 17:59  | 10/5/2025 18:18  |
| 484         | 10/6/2025  | T-7             | 10/6/2025 15:50  | 10/6/2025 17:42  |
| 484         | 10/6/2025  | T-3             | 10/6/2025 17:58  | 10/6/2025 18:18  |
| 484         | 10/7/2025  | T-7             | 10/7/2025 15:50  | 10/7/2025 17:41  |
| 484         | 10/7/2025  | T-3             | 10/7/2025 17:56  | 10/7/2025 18:16  |
| 484         | 10/8/2025  | T-7             | 10/8/2025 15:50  | 10/8/2025 17:40  |
| 484         | 10/8/2025  | T-3             | 10/8/2025 17:55  | 10/8/2025 18:15  |
| 484         | 10/9/2025  | T-7             | 10/9/2025 15:50  | 10/9/2025 17:39  |
| 484         | 10/9/2025  | T-3             | 10/9/2025 17:54  | 10/9/2025 18:13  |
| 484         | 10/10/2025 | T-7             | 10/10/2025 15:50 | 10/10/2025 17:38 |
| 484         | 10/10/2025 | T-3             | 10/10/2025 17:54 | 10/10/2025 18:11 |
| 484         | 10/11/2025 | T-7             | 10/11/2025 15:51 | 10/11/2025 17:38 |
| 484         | 10/11/2025 | T-3             | 10/11/2025 17:54 | 10/11/2025 18:10 |
| 484         | 10/12/2025 | T-7             | 10/12/2025 15:51 | 10/12/2025 17:37 |
| 484         | 10/12/2025 | T-3             | 10/12/2025 17:54 | 10/12/2025 18:08 |
| 484         | 10/13/2025 | T-7             | 10/13/2025 15:51 | 10/13/2025 17:36 |
| 484         | 10/13/2025 | T-3             | 10/13/2025 17:54 | 10/13/2025 18:06 |
| 484         | 10/14/2025 | T-7             | 10/14/2025 15:51 | 10/14/2025 17:35 |
| 484         | 10/14/2025 | T-3             | 10/14/2025 17:54 | 10/14/2025 18:04 |
| 484         | 10/15/2025 | T-7             | 10/15/2025 15:51 | 10/15/2025 17:34 |
| 484         | 10/15/2025 | T-3             | 10/15/2025 17:54 | 10/15/2025 18:02 |
| 484         | 10/16/2025 | T-7             | 10/16/2025 15:53 | 10/16/2025 17:34 |
| 484         | 10/16/2025 | T-3             | 10/16/2025 17:56 | 10/16/2025 18:01 |
| 484         | 10/17/2025 | T-7             | 10/17/2025 15:53 | 10/17/2025 17:32 |
| 484         | 10/17/2025 | T-3             | 10/17/2025 17:57 | 10/17/2025 17:59 |
| 484         | 10/18/2025 | T-7             | 10/18/2025 15:53 | 10/18/2025 17:31 |
| 484         | 10/19/2025 | T-7             | 10/19/2025 15:54 | 10/19/2025 17:30 |
| 484         | 10/20/2025 | T-7             | 10/20/2025 15:55 | 10/20/2025 17:29 |
| 484         | 10/21/2025 | T-7             | 10/21/2025 15:56 | 10/21/2025 17:28 |
| 484         | 10/22/2025 | T-7             | 10/22/2025 15:57 | 10/22/2025 17:26 |
| 484         | 10/23/2025 | T-7             | 10/23/2025 15:59 | 10/23/2025 17:25 |
| 484         | 10/24/2025 | T-7             | 10/24/2025 15:59 | 10/24/2025 17:24 |
| 484         | 10/25/2025 | T-7             | 10/25/2025 16:00 | 10/25/2025 17:22 |
| 484         | 10/26/2025 | T-7             | 10/26/2025 16:01 | 10/26/2025 17:20 |
| 484         | 10/27/2025 | T-7             | 10/27/2025 16:04 | 10/27/2025 17:19 |
| 484         | 10/28/2025 | T-7             | 10/28/2025 16:05 | 10/28/2025 17:17 |
| 484         | 10/29/2025 | T-7             | 10/29/2025 16:06 | 10/29/2025 17:15 |
| 484         | 10/30/2025 | T-7             | 10/30/2025 16:09 | 10/30/2025 17:14 |
| 484         | 10/31/2025 | T-7             | 10/31/2025 16:11 | 10/31/2025 17:11 |
| 484         | 11/1/2025  | T-7             | 11/1/2025 16:13  | 11/1/2025 17:09  |
| 484         | 11/2/2025  | T-7             | 11/2/2025 15:16  | 11/2/2025 16:07  |
| 484         | 11/3/2025  | T-7             | 11/3/2025 15:18  | 11/3/2025 16:03  |
| 484         | 11/4/2025  | T-7             | 11/4/2025 15:21  | 11/4/2025 16:00  |
| 484         | 11/5/2025  | T-7             | 11/5/2025 15:26  | 11/5/2025 15:56  |
| 484         | 11/6/2025  | T-7             | 11/6/2025 15:32  | 11/6/2025 15:50  |
| 484         | 12/10/2025 | T-10            | 12/10/2025 8:37  | 12/10/2025 8:42  |

| Receptor ID | Date       | Wind Turbine ID | From            | To              |
|-------------|------------|-----------------|-----------------|-----------------|
| 484         | 12/11/2025 | T-10            | 12/11/2025 8:36 | 12/11/2025 8:44 |
| 484         | 12/12/2025 | T-10            | 12/12/2025 8:35 | 12/12/2025 8:46 |
| 484         | 12/13/2025 | T-10            | 12/13/2025 8:34 | 12/13/2025 8:47 |
| 484         | 12/14/2025 | T-10            | 12/14/2025 8:33 | 12/14/2025 8:48 |
| 484         | 12/15/2025 | T-10            | 12/15/2025 8:34 | 12/15/2025 8:50 |
| 484         | 12/16/2025 | T-10            | 12/16/2025 8:34 | 12/16/2025 8:51 |
| 484         | 12/17/2025 | T-10            | 12/17/2025 8:33 | 12/17/2025 8:51 |
| 484         | 12/18/2025 | T-10            | 12/18/2025 8:34 | 12/18/2025 8:52 |
| 484         | 12/19/2025 | T-10            | 12/19/2025 8:34 | 12/19/2025 8:53 |
| 484         | 12/20/2025 | T-10            | 12/20/2025 8:34 | 12/20/2025 8:53 |
| 484         | 12/21/2025 | T-10            | 12/21/2025 8:35 | 12/21/2025 8:54 |
| 484         | 12/22/2025 | T-10            | 12/22/2025 8:35 | 12/22/2025 8:54 |
| 484         | 12/23/2025 | T-10            | 12/23/2025 8:36 | 12/23/2025 8:55 |
| 484         | 12/24/2025 | T-10            | 12/24/2025 8:36 | 12/24/2025 8:55 |
| 484         | 12/25/2025 | T-10            | 12/25/2025 8:36 | 12/25/2025 8:55 |
| 484         | 12/26/2025 | T-10            | 12/26/2025 8:38 | 12/26/2025 8:56 |
| 484         | 12/27/2025 | T-10            | 12/27/2025 8:38 | 12/27/2025 8:56 |
| 484         | 12/28/2025 | T-10            | 12/28/2025 8:39 | 12/28/2025 8:56 |
| 484         | 12/29/2025 | T-10            | 12/29/2025 8:40 | 12/29/2025 8:56 |
| 484         | 12/30/2025 | T-10            | 12/30/2025 8:42 | 12/30/2025 8:56 |
| 484         | 12/31/2025 | T-10            | 12/31/2025 8:43 | 12/31/2025 8:56 |
| 495         | 1/1/2025   | T-9             | 1/1/2025 14:12  | 1/1/2025 15:03  |
| 495         | 1/1/2025   | T-11            | 1/1/2025 8:06   | 1/1/2025 8:54   |
| 495         | 1/2/2025   | T-9             | 1/2/2025 14:13  | 1/2/2025 15:03  |
| 495         | 1/2/2025   | T-11            | 1/2/2025 8:06   | 1/2/2025 8:54   |
| 495         | 1/3/2025   | T-9             | 1/3/2025 14:14  | 1/3/2025 15:03  |
| 495         | 1/3/2025   | T-11            | 1/3/2025 8:06   | 1/3/2025 8:55   |
| 495         | 1/4/2025   | T-9             | 1/4/2025 14:15  | 1/4/2025 15:03  |
| 495         | 1/4/2025   | T-11            | 1/4/2025 8:06   | 1/4/2025 8:56   |
| 495         | 1/5/2025   | T-9             | 1/5/2025 14:16  | 1/5/2025 15:03  |
| 495         | 1/5/2025   | T-11            | 1/5/2025 8:07   | 1/5/2025 8:57   |
| 495         | 1/6/2025   | T-9             | 1/6/2025 14:16  | 1/6/2025 15:02  |
| 495         | 1/6/2025   | T-11            | 1/6/2025 8:06   | 1/6/2025 8:57   |
| 495         | 1/7/2025   | T-9             | 1/7/2025 14:18  | 1/7/2025 15:02  |
| 495         | 1/7/2025   | T-11            | 1/7/2025 8:06   | 1/7/2025 8:58   |
| 495         | 1/8/2025   | T-9             | 1/8/2025 14:19  | 1/8/2025 15:02  |
| 495         | 1/8/2025   | T-11            | 1/8/2025 8:06   | 1/8/2025 8:59   |
| 495         | 1/9/2025   | T-9             | 1/9/2025 14:21  | 1/9/2025 15:02  |
| 495         | 1/9/2025   | T-11            | 1/9/2025 8:06   | 1/9/2025 9:00   |
| 495         | 1/10/2025  | T-9             | 1/10/2025 14:21 | 1/10/2025 15:01 |
| 495         | 1/10/2025  | T-11            | 1/10/2025 8:06  | 1/10/2025 9:01  |
| 495         | 1/11/2025  | T-9             | 1/11/2025 14:23 | 1/11/2025 15:01 |
| 495         | 1/11/2025  | T-11            | 1/11/2025 8:06  | 1/11/2025 9:02  |
| 495         | 1/12/2025  | T-9             | 1/12/2025 14:25 | 1/12/2025 15:00 |
| 495         | 1/12/2025  | T-11            | 1/12/2025 8:06  | 1/12/2025 9:03  |
| 495         | 1/13/2025  | T-9             | 1/13/2025 14:27 | 1/13/2025 14:59 |
| 495         | 1/13/2025  | T-11            | 1/13/2025 8:06  | 1/13/2025 9:03  |
| 495         | 1/14/2025  | T-9             | 1/14/2025 14:29 | 1/14/2025 14:58 |
| 495         | 1/14/2025  | T-11            | 1/14/2025 8:06  | 1/14/2025 9:05  |
| 495         | 1/15/2025  | T-9             | 1/15/2025 14:31 | 1/15/2025 14:56 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 495         | 1/15/2025 | T-11            | 1/15/2025 8:05  | 1/15/2025 9:05  |
| 495         | 1/16/2025 | T-9             | 1/16/2025 14:35 | 1/16/2025 14:55 |
| 495         | 1/16/2025 | T-11            | 1/16/2025 8:06  | 1/16/2025 9:06  |
| 495         | 1/17/2025 | T-9             | 1/17/2025 14:38 | 1/17/2025 14:51 |
| 495         | 1/17/2025 | T-11            | 1/17/2025 8:05  | 1/17/2025 9:07  |
| 495         | 1/18/2025 | T-11            | 1/18/2025 8:06  | 1/18/2025 9:08  |
| 495         | 1/19/2025 | T-11            | 1/19/2025 8:06  | 1/19/2025 9:08  |
| 495         | 1/20/2025 | T-11            | 1/20/2025 8:05  | 1/20/2025 9:09  |
| 495         | 1/21/2025 | T-11            | 1/21/2025 8:05  | 1/21/2025 9:09  |
| 495         | 1/22/2025 | T-11            | 1/22/2025 8:06  | 1/22/2025 9:10  |
| 495         | 1/23/2025 | T-11            | 1/23/2025 8:05  | 1/23/2025 9:11  |
| 495         | 1/24/2025 | T-11            | 1/24/2025 8:05  | 1/24/2025 9:11  |
| 495         | 1/25/2025 | T-11            | 1/25/2025 8:05  | 1/25/2025 9:11  |
| 495         | 1/26/2025 | T-11            | 1/26/2025 8:05  | 1/26/2025 9:12  |
| 495         | 1/27/2025 | T-11            | 1/27/2025 8:05  | 1/27/2025 9:12  |
| 495         | 1/28/2025 | T-11            | 1/28/2025 8:05  | 1/28/2025 9:12  |
| 495         | 1/29/2025 | T-11            | 1/29/2025 8:05  | 1/29/2025 9:12  |
| 495         | 1/30/2025 | T-11            | 1/30/2025 8:05  | 1/30/2025 9:13  |
| 495         | 1/31/2025 | T-11            | 1/31/2025 8:05  | 1/31/2025 9:13  |
| 495         | 2/1/2025  | T-11            | 2/1/2025 8:06   | 2/1/2025 9:13   |
| 495         | 2/2/2025  | T-11            | 2/2/2025 8:06   | 2/2/2025 9:13   |
| 495         | 2/3/2025  | T-11            | 2/3/2025 8:06   | 2/3/2025 9:13   |
| 495         | 2/4/2025  | T-11            | 2/4/2025 8:07   | 2/4/2025 9:13   |
| 495         | 2/5/2025  | T-11            | 2/5/2025 8:07   | 2/5/2025 9:14   |
| 495         | 2/6/2025  | T-11            | 2/6/2025 8:08   | 2/6/2025 9:14   |
| 495         | 2/7/2025  | T-11            | 2/7/2025 8:07   | 2/7/2025 9:12   |
| 495         | 2/8/2025  | T-11            | 2/8/2025 8:08   | 2/8/2025 9:12   |
| 495         | 2/9/2025  | T-11            | 2/9/2025 8:09   | 2/9/2025 9:12   |
| 495         | 2/10/2025 | T-11            | 2/10/2025 8:09  | 2/10/2025 9:11  |
| 495         | 2/11/2025 | T-11            | 2/11/2025 8:10  | 2/11/2025 9:11  |
| 495         | 2/12/2025 | T-11            | 2/12/2025 8:11  | 2/12/2025 9:10  |
| 495         | 2/13/2025 | T-11            | 2/13/2025 8:11  | 2/13/2025 9:09  |
| 495         | 2/14/2025 | T-11            | 2/14/2025 8:12  | 2/14/2025 9:08  |
| 495         | 2/15/2025 | T-11            | 2/15/2025 8:13  | 2/15/2025 9:08  |
| 495         | 2/16/2025 | T-11            | 2/16/2025 8:14  | 2/16/2025 9:06  |
| 495         | 2/17/2025 | T-11            | 2/17/2025 8:15  | 2/17/2025 9:05  |
| 495         | 2/18/2025 | T-11            | 2/18/2025 8:16  | 2/18/2025 9:03  |
| 495         | 2/19/2025 | T-11            | 2/19/2025 8:18  | 2/19/2025 9:02  |
| 495         | 2/20/2025 | T-11            | 2/20/2025 8:19  | 2/20/2025 8:59  |
| 495         | 2/21/2025 | T-11            | 2/21/2025 8:21  | 2/21/2025 8:58  |
| 495         | 2/22/2025 | T-11            | 2/22/2025 8:23  | 2/22/2025 8:55  |
| 495         | 2/23/2025 | T-11            | 2/23/2025 8:26  | 2/23/2025 8:52  |
| 495         | 2/24/2025 | T-11            | 2/24/2025 8:29  | 2/24/2025 8:47  |
| 495         | 5/9/2025  | T-10            | 5/9/2025 6:17   | 5/9/2025 6:29   |
| 495         | 5/10/2025 | T-10            | 5/10/2025 6:13  | 5/10/2025 6:33  |
| 495         | 5/11/2025 | T-10            | 5/11/2025 6:10  | 5/11/2025 6:35  |
| 495         | 5/12/2025 | T-10            | 5/12/2025 6:09  | 5/12/2025 6:37  |
| 495         | 5/13/2025 | T-10            | 5/13/2025 6:08  | 5/13/2025 6:39  |
| 495         | 5/14/2025 | T-10            | 5/14/2025 6:07  | 5/14/2025 6:40  |
| 495         | 5/15/2025 | T-10            | 5/15/2025 6:06  | 5/15/2025 6:41  |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 495         | 5/16/2025 | T-10            | 5/16/2025 6:05 | 5/16/2025 6:42 |
| 495         | 5/17/2025 | T-10            | 5/17/2025 6:04 | 5/17/2025 6:43 |
| 495         | 5/18/2025 | T-10            | 5/18/2025 6:03 | 5/18/2025 6:44 |
| 495         | 5/19/2025 | T-10            | 5/19/2025 6:03 | 5/19/2025 6:46 |
| 495         | 5/20/2025 | T-10            | 5/20/2025 6:02 | 5/20/2025 6:47 |
| 495         | 5/21/2025 | T-10            | 5/21/2025 6:01 | 5/21/2025 6:47 |
| 495         | 5/22/2025 | T-10            | 5/22/2025 6:00 | 5/22/2025 6:47 |
| 495         | 5/23/2025 | T-10            | 5/23/2025 5:59 | 5/23/2025 6:48 |
| 495         | 5/24/2025 | T-10            | 5/24/2025 5:59 | 5/24/2025 6:49 |
| 495         | 5/25/2025 | T-10            | 5/25/2025 5:58 | 5/25/2025 6:49 |
| 495         | 5/26/2025 | T-10            | 5/26/2025 5:57 | 5/26/2025 6:49 |
| 495         | 5/27/2025 | T-10            | 5/27/2025 5:57 | 5/27/2025 6:51 |
| 495         | 5/28/2025 | T-10            | 5/28/2025 5:56 | 5/28/2025 6:51 |
| 495         | 5/29/2025 | T-10            | 5/29/2025 5:55 | 5/29/2025 6:51 |
| 495         | 5/30/2025 | T-10            | 5/30/2025 5:55 | 5/30/2025 6:51 |
| 495         | 5/31/2025 | T-10            | 5/31/2025 5:55 | 5/31/2025 6:51 |
| 495         | 6/1/2025  | T-10            | 6/1/2025 5:55  | 6/1/2025 6:52  |
| 495         | 6/2/2025  | T-10            | 6/2/2025 5:55  | 6/2/2025 6:52  |
| 495         | 6/3/2025  | T-10            | 6/3/2025 5:55  | 6/3/2025 6:53  |
| 495         | 6/4/2025  | T-10            | 6/4/2025 5:55  | 6/4/2025 6:53  |
| 495         | 6/5/2025  | T-10            | 6/5/2025 5:55  | 6/5/2025 6:53  |
| 495         | 6/6/2025  | T-10            | 6/6/2025 5:55  | 6/6/2025 6:53  |
| 495         | 6/7/2025  | T-10            | 6/7/2025 5:56  | 6/7/2025 6:54  |
| 495         | 6/8/2025  | T-10            | 6/8/2025 5:56  | 6/8/2025 6:54  |
| 495         | 6/9/2025  | T-10            | 6/9/2025 5:55  | 6/9/2025 6:54  |
| 495         | 6/10/2025 | T-10            | 6/10/2025 5:55 | 6/10/2025 6:54 |
| 495         | 6/11/2025 | T-10            | 6/11/2025 5:56 | 6/11/2025 6:55 |
| 495         | 6/12/2025 | T-10            | 6/12/2025 5:56 | 6/12/2025 6:55 |
| 495         | 6/13/2025 | T-10            | 6/13/2025 5:56 | 6/13/2025 6:55 |
| 495         | 6/14/2025 | T-10            | 6/14/2025 5:56 | 6/14/2025 6:56 |
| 495         | 6/15/2025 | T-10            | 6/15/2025 5:57 | 6/15/2025 6:56 |
| 495         | 6/16/2025 | T-10            | 6/16/2025 5:57 | 6/16/2025 6:56 |
| 495         | 6/17/2025 | T-10            | 6/17/2025 5:57 | 6/17/2025 6:56 |
| 495         | 6/18/2025 | T-10            | 6/18/2025 5:57 | 6/18/2025 6:56 |
| 495         | 6/19/2025 | T-10            | 6/19/2025 5:57 | 6/19/2025 6:56 |
| 495         | 6/20/2025 | T-10            | 6/20/2025 5:57 | 6/20/2025 6:57 |
| 495         | 6/21/2025 | T-10            | 6/21/2025 5:57 | 6/21/2025 6:57 |
| 495         | 6/22/2025 | T-10            | 6/22/2025 5:58 | 6/22/2025 6:58 |
| 495         | 6/23/2025 | T-10            | 6/23/2025 5:58 | 6/23/2025 6:58 |
| 495         | 6/24/2025 | T-10            | 6/24/2025 5:58 | 6/24/2025 6:57 |
| 495         | 6/25/2025 | T-10            | 6/25/2025 5:59 | 6/25/2025 6:58 |
| 495         | 6/26/2025 | T-10            | 6/26/2025 5:59 | 6/26/2025 6:58 |
| 495         | 6/27/2025 | T-10            | 6/27/2025 5:59 | 6/27/2025 6:58 |
| 495         | 6/28/2025 | T-10            | 6/28/2025 6:00 | 6/28/2025 6:59 |
| 495         | 6/29/2025 | T-10            | 6/29/2025 5:59 | 6/29/2025 6:59 |
| 495         | 6/30/2025 | T-10            | 6/30/2025 6:00 | 6/30/2025 6:59 |
| 495         | 7/1/2025  | T-10            | 7/1/2025 6:00  | 7/1/2025 6:59  |
| 495         | 7/2/2025  | T-10            | 7/2/2025 6:01  | 7/2/2025 7:00  |
| 495         | 7/3/2025  | T-10            | 7/3/2025 6:00  | 7/3/2025 6:59  |
| 495         | 7/4/2025  | T-10            | 7/4/2025 6:01  | 7/4/2025 7:00  |

| Receptor ID | Date       | Wind Turbine ID | From            | To              |
|-------------|------------|-----------------|-----------------|-----------------|
| 495         | 7/5/2025   | T-10            | 7/5/2025 6:01   | 7/5/2025 6:59   |
| 495         | 7/6/2025   | T-10            | 7/6/2025 6:02   | 7/6/2025 7:00   |
| 495         | 7/7/2025   | T-10            | 7/7/2025 6:01   | 7/7/2025 6:59   |
| 495         | 7/8/2025   | T-10            | 7/8/2025 6:02   | 7/8/2025 7:00   |
| 495         | 7/9/2025   | T-10            | 7/9/2025 6:02   | 7/9/2025 7:00   |
| 495         | 7/10/2025  | T-10            | 7/10/2025 6:02  | 7/10/2025 7:00  |
| 495         | 7/11/2025  | T-10            | 7/11/2025 6:03  | 7/11/2025 7:00  |
| 495         | 7/12/2025  | T-10            | 7/12/2025 6:03  | 7/12/2025 7:00  |
| 495         | 7/13/2025  | T-10            | 7/13/2025 6:04  | 7/13/2025 7:00  |
| 495         | 7/14/2025  | T-10            | 7/14/2025 6:03  | 7/14/2025 6:59  |
| 495         | 7/15/2025  | T-10            | 7/15/2025 6:04  | 7/15/2025 7:00  |
| 495         | 7/16/2025  | T-10            | 7/16/2025 6:05  | 7/16/2025 7:00  |
| 495         | 7/17/2025  | T-10            | 7/17/2025 6:06  | 7/17/2025 7:00  |
| 495         | 7/18/2025  | T-10            | 7/18/2025 6:07  | 7/18/2025 7:00  |
| 495         | 7/19/2025  | T-10            | 7/19/2025 6:08  | 7/19/2025 6:59  |
| 495         | 7/20/2025  | T-10            | 7/20/2025 6:08  | 7/20/2025 6:58  |
| 495         | 7/21/2025  | T-10            | 7/21/2025 6:09  | 7/21/2025 6:58  |
| 495         | 7/22/2025  | T-10            | 7/22/2025 6:10  | 7/22/2025 6:58  |
| 495         | 7/23/2025  | T-10            | 7/23/2025 6:11  | 7/23/2025 6:57  |
| 495         | 7/24/2025  | T-10            | 7/24/2025 6:12  | 7/24/2025 6:57  |
| 495         | 7/25/2025  | T-10            | 7/25/2025 6:13  | 7/25/2025 6:56  |
| 495         | 7/26/2025  | T-10            | 7/26/2025 6:14  | 7/26/2025 6:55  |
| 495         | 7/27/2025  | T-10            | 7/27/2025 6:15  | 7/27/2025 6:55  |
| 495         | 7/28/2025  | T-10            | 7/28/2025 6:16  | 7/28/2025 6:54  |
| 495         | 7/29/2025  | T-10            | 7/29/2025 6:17  | 7/29/2025 6:53  |
| 495         | 7/30/2025  | T-10            | 7/30/2025 6:18  | 7/30/2025 6:51  |
| 495         | 7/31/2025  | T-10            | 7/31/2025 6:19  | 7/31/2025 6:50  |
| 495         | 8/1/2025   | T-10            | 8/1/2025 6:20   | 8/1/2025 6:48   |
| 495         | 8/2/2025   | T-10            | 8/2/2025 6:21   | 8/2/2025 6:46   |
| 495         | 8/3/2025   | T-10            | 8/3/2025 6:23   | 8/3/2025 6:44   |
| 495         | 8/4/2025   | T-10            | 8/4/2025 6:26   | 8/4/2025 6:40   |
| 495         | 10/18/2025 | T-11            | 10/18/2025 9:02 | 10/18/2025 9:17 |
| 495         | 10/19/2025 | T-11            | 10/19/2025 8:57 | 10/19/2025 9:21 |
| 495         | 10/20/2025 | T-11            | 10/20/2025 8:55 | 10/20/2025 9:25 |
| 495         | 10/21/2025 | T-11            | 10/21/2025 8:52 | 10/21/2025 9:27 |
| 495         | 10/22/2025 | T-11            | 10/22/2025 8:50 | 10/22/2025 9:29 |
| 495         | 10/23/2025 | T-11            | 10/23/2025 8:47 | 10/23/2025 9:31 |
| 495         | 10/24/2025 | T-11            | 10/24/2025 8:47 | 10/24/2025 9:33 |
| 495         | 10/25/2025 | T-11            | 10/25/2025 8:45 | 10/25/2025 9:34 |
| 495         | 10/26/2025 | T-11            | 10/26/2025 8:43 | 10/26/2025 9:35 |
| 495         | 10/27/2025 | T-11            | 10/27/2025 8:43 | 10/27/2025 9:37 |
| 495         | 10/28/2025 | T-11            | 10/28/2025 8:42 | 10/28/2025 9:37 |
| 495         | 10/29/2025 | T-11            | 10/29/2025 8:40 | 10/29/2025 9:38 |
| 495         | 10/30/2025 | T-11            | 10/30/2025 8:40 | 10/30/2025 9:40 |
| 495         | 10/31/2025 | T-11            | 10/31/2025 8:39 | 10/31/2025 9:40 |
| 495         | 11/1/2025  | T-11            | 11/1/2025 8:38  | 11/1/2025 9:40  |
| 495         | 11/2/2025  | T-11            | 11/2/2025 7:39  | 11/2/2025 8:42  |
| 495         | 11/3/2025  | T-11            | 11/3/2025 7:38  | 11/3/2025 8:42  |
| 495         | 11/4/2025  | T-11            | 11/4/2025 7:37  | 11/4/2025 8:42  |
| 495         | 11/5/2025  | T-11            | 11/5/2025 7:38  | 11/5/2025 8:43  |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 495         | 11/6/2025  | T-11            | 11/6/2025 7:37   | 11/6/2025 8:43   |
| 495         | 11/7/2025  | T-11            | 11/7/2025 7:38   | 11/7/2025 8:44   |
| 495         | 11/8/2025  | T-11            | 11/8/2025 7:37   | 11/8/2025 8:44   |
| 495         | 11/9/2025  | T-11            | 11/9/2025 7:37   | 11/9/2025 8:44   |
| 495         | 11/10/2025 | T-11            | 11/10/2025 7:37  | 11/10/2025 8:45  |
| 495         | 11/11/2025 | T-11            | 11/11/2025 7:37  | 11/11/2025 8:45  |
| 495         | 11/12/2025 | T-11            | 11/12/2025 7:37  | 11/12/2025 8:44  |
| 495         | 11/13/2025 | T-11            | 11/13/2025 7:38  | 11/13/2025 8:45  |
| 495         | 11/14/2025 | T-11            | 11/14/2025 7:38  | 11/14/2025 8:45  |
| 495         | 11/15/2025 | T-11            | 11/15/2025 7:38  | 11/15/2025 8:45  |
| 495         | 11/16/2025 | T-11            | 11/16/2025 7:39  | 11/16/2025 8:45  |
| 495         | 11/17/2025 | T-11            | 11/17/2025 7:39  | 11/17/2025 8:45  |
| 495         | 11/18/2025 | T-11            | 11/18/2025 7:39  | 11/18/2025 8:45  |
| 495         | 11/19/2025 | T-11            | 11/19/2025 7:40  | 11/19/2025 8:45  |
| 495         | 11/20/2025 | T-11            | 11/20/2025 7:40  | 11/20/2025 8:45  |
| 495         | 11/21/2025 | T-11            | 11/21/2025 7:40  | 11/21/2025 8:45  |
| 495         | 11/22/2025 | T-11            | 11/22/2025 7:42  | 11/22/2025 8:45  |
| 495         | 11/23/2025 | T-11            | 11/23/2025 7:42  | 11/23/2025 8:45  |
| 495         | 11/24/2025 | T-11            | 11/24/2025 7:42  | 11/24/2025 8:45  |
| 495         | 11/25/2025 | T-9             | 11/25/2025 14:20 | 11/25/2025 14:25 |
| 495         | 11/25/2025 | T-11            | 11/25/2025 7:43  | 11/25/2025 8:44  |
| 495         | 11/26/2025 | T-9             | 11/26/2025 14:15 | 11/26/2025 14:31 |
| 495         | 11/26/2025 | T-11            | 11/26/2025 7:44  | 11/26/2025 8:45  |
| 495         | 11/27/2025 | T-9             | 11/27/2025 14:12 | 11/27/2025 14:34 |
| 495         | 11/27/2025 | T-11            | 11/27/2025 7:45  | 11/27/2025 8:45  |
| 495         | 11/28/2025 | T-9             | 11/28/2025 14:10 | 11/28/2025 14:37 |
| 495         | 11/28/2025 | T-11            | 11/28/2025 7:45  | 11/28/2025 8:44  |
| 495         | 11/29/2025 | T-9             | 11/29/2025 14:08 | 11/29/2025 14:39 |
| 495         | 11/29/2025 | T-11            | 11/29/2025 7:46  | 11/29/2025 8:44  |
| 495         | 11/30/2025 | T-9             | 11/30/2025 14:08 | 11/30/2025 14:41 |
| 495         | 11/30/2025 | T-11            | 11/30/2025 7:47  | 11/30/2025 8:45  |
| 495         | 12/1/2025  | T-9             | 12/1/2025 14:07  | 12/1/2025 14:43  |
| 495         | 12/1/2025  | T-11            | 12/1/2025 7:48   | 12/1/2025 8:45   |
| 495         | 12/2/2025  | T-9             | 12/2/2025 14:06  | 12/2/2025 14:44  |
| 495         | 12/2/2025  | T-11            | 12/2/2025 7:49   | 12/2/2025 8:44   |
| 495         | 12/3/2025  | T-9             | 12/3/2025 14:05  | 12/3/2025 14:45  |
| 495         | 12/3/2025  | T-11            | 12/3/2025 7:49   | 12/3/2025 8:44   |
| 495         | 12/4/2025  | T-9             | 12/4/2025 14:04  | 12/4/2025 14:46  |
| 495         | 12/4/2025  | T-11            | 12/4/2025 7:50   | 12/4/2025 8:44   |
| 495         | 12/5/2025  | T-9             | 12/5/2025 14:04  | 12/5/2025 14:47  |
| 495         | 12/5/2025  | T-11            | 12/5/2025 7:51   | 12/5/2025 8:44   |
| 495         | 12/6/2025  | T-9             | 12/6/2025 14:03  | 12/6/2025 14:48  |
| 495         | 12/6/2025  | T-11            | 12/6/2025 7:52   | 12/6/2025 8:44   |
| 495         | 12/7/2025  | T-9             | 12/7/2025 14:03  | 12/7/2025 14:49  |
| 495         | 12/7/2025  | T-11            | 12/7/2025 7:53   | 12/7/2025 8:44   |
| 495         | 12/8/2025  | T-9             | 12/8/2025 14:03  | 12/8/2025 14:50  |
| 495         | 12/8/2025  | T-11            | 12/8/2025 7:54   | 12/8/2025 8:44   |
| 495         | 12/9/2025  | T-9             | 12/9/2025 14:03  | 12/9/2025 14:51  |
| 495         | 12/9/2025  | T-11            | 12/9/2025 7:54   | 12/9/2025 8:44   |
| 495         | 12/10/2025 | T-9             | 12/10/2025 14:03 | 12/10/2025 14:52 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 495         | 12/10/2025 | T-11            | 12/10/2025 7:55  | 12/10/2025 8:44  |
| 495         | 12/11/2025 | T-9             | 12/11/2025 14:03 | 12/11/2025 14:53 |
| 495         | 12/11/2025 | T-11            | 12/11/2025 7:56  | 12/11/2025 8:44  |
| 495         | 12/12/2025 | T-9             | 12/12/2025 14:03 | 12/12/2025 14:54 |
| 495         | 12/12/2025 | T-11            | 12/12/2025 7:57  | 12/12/2025 8:44  |
| 495         | 12/13/2025 | T-9             | 12/13/2025 14:02 | 12/13/2025 14:54 |
| 495         | 12/13/2025 | T-11            | 12/13/2025 7:57  | 12/13/2025 8:44  |
| 495         | 12/14/2025 | T-9             | 12/14/2025 14:02 | 12/14/2025 14:55 |
| 495         | 12/14/2025 | T-11            | 12/14/2025 7:58  | 12/14/2025 8:44  |
| 495         | 12/15/2025 | T-9             | 12/15/2025 14:03 | 12/15/2025 14:56 |
| 495         | 12/15/2025 | T-11            | 12/15/2025 7:59  | 12/15/2025 8:45  |
| 495         | 12/16/2025 | T-9             | 12/16/2025 14:03 | 12/16/2025 14:57 |
| 495         | 12/16/2025 | T-11            | 12/16/2025 8:00  | 12/16/2025 8:45  |
| 495         | 12/17/2025 | T-9             | 12/17/2025 14:03 | 12/17/2025 14:57 |
| 495         | 12/17/2025 | T-11            | 12/17/2025 8:00  | 12/17/2025 8:45  |
| 495         | 12/18/2025 | T-9             | 12/18/2025 14:04 | 12/18/2025 14:58 |
| 495         | 12/18/2025 | T-11            | 12/18/2025 8:01  | 12/18/2025 8:45  |
| 495         | 12/19/2025 | T-9             | 12/19/2025 14:04 | 12/19/2025 14:59 |
| 495         | 12/19/2025 | T-11            | 12/19/2025 8:02  | 12/19/2025 8:46  |
| 495         | 12/20/2025 | T-9             | 12/20/2025 14:04 | 12/20/2025 14:59 |
| 495         | 12/20/2025 | T-11            | 12/20/2025 8:02  | 12/20/2025 8:46  |
| 495         | 12/21/2025 | T-9             | 12/21/2025 14:05 | 12/21/2025 15:00 |
| 495         | 12/21/2025 | T-11            | 12/21/2025 8:03  | 12/21/2025 8:47  |
| 495         | 12/22/2025 | T-9             | 12/22/2025 14:05 | 12/22/2025 15:00 |
| 495         | 12/22/2025 | T-11            | 12/22/2025 8:03  | 12/22/2025 8:47  |
| 495         | 12/23/2025 | T-9             | 12/23/2025 14:06 | 12/23/2025 15:01 |
| 495         | 12/23/2025 | T-11            | 12/23/2025 8:04  | 12/23/2025 8:48  |
| 495         | 12/24/2025 | T-9             | 12/24/2025 14:06 | 12/24/2025 15:01 |
| 495         | 12/24/2025 | T-11            | 12/24/2025 8:04  | 12/24/2025 8:48  |
| 495         | 12/25/2025 | T-9             | 12/25/2025 14:06 | 12/25/2025 15:01 |
| 495         | 12/25/2025 | T-11            | 12/25/2025 8:04  | 12/25/2025 8:48  |
| 495         | 12/26/2025 | T-9             | 12/26/2025 14:08 | 12/26/2025 15:02 |
| 495         | 12/26/2025 | T-11            | 12/26/2025 8:05  | 12/26/2025 8:49  |
| 495         | 12/27/2025 | T-9             | 12/27/2025 14:08 | 12/27/2025 15:02 |
| 495         | 12/27/2025 | T-11            | 12/27/2025 8:05  | 12/27/2025 8:50  |
| 495         | 12/28/2025 | T-9             | 12/28/2025 14:08 | 12/28/2025 15:02 |
| 495         | 12/28/2025 | T-11            | 12/28/2025 8:05  | 12/28/2025 8:50  |
| 495         | 12/29/2025 | T-9             | 12/29/2025 14:09 | 12/29/2025 15:02 |
| 495         | 12/29/2025 | T-11            | 12/29/2025 8:05  | 12/29/2025 8:51  |
| 495         | 12/30/2025 | T-9             | 12/30/2025 14:10 | 12/30/2025 15:03 |
| 495         | 12/30/2025 | T-11            | 12/30/2025 8:06  | 12/30/2025 8:52  |
| 495         | 12/31/2025 | T-9             | 12/31/2025 14:11 | 12/31/2025 15:03 |
| 495         | 12/31/2025 | T-11            | 12/31/2025 8:06  | 12/31/2025 8:53  |
| 496         | 1/14/2025  | T-12            | 1/14/2025 7:58   | 1/14/2025 7:59   |
| 496         | 1/15/2025  | T-12            | 1/15/2025 7:57   | 1/15/2025 8:01   |
| 496         | 1/16/2025  | T-12            | 1/16/2025 7:57   | 1/16/2025 8:03   |
| 496         | 1/17/2025  | T-12            | 1/17/2025 7:56   | 1/17/2025 8:04   |
| 496         | 1/17/2025  | T-11            | 1/17/2025 16:14  | 1/17/2025 16:24  |
| 496         | 1/18/2025  | T-12            | 1/18/2025 7:56   | 1/18/2025 8:06   |
| 496         | 1/18/2025  | T-11            | 1/18/2025 16:12  | 1/18/2025 16:28  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 496         | 1/19/2025 | T-12            | 1/19/2025 7:55  | 1/19/2025 8:07  |
| 496         | 1/19/2025 | T-11            | 1/19/2025 16:10 | 1/19/2025 16:30 |
| 496         | 1/20/2025 | T-12            | 1/20/2025 7:54  | 1/20/2025 8:07  |
| 496         | 1/20/2025 | T-11            | 1/20/2025 16:08 | 1/20/2025 16:32 |
| 496         | 1/21/2025 | T-12            | 1/21/2025 7:53  | 1/21/2025 8:08  |
| 496         | 1/21/2025 | T-11            | 1/21/2025 16:07 | 1/21/2025 16:34 |
| 496         | 1/22/2025 | T-12            | 1/22/2025 7:53  | 1/22/2025 8:10  |
| 496         | 1/22/2025 | T-11            | 1/22/2025 16:06 | 1/22/2025 16:36 |
| 496         | 1/23/2025 | T-12            | 1/23/2025 7:52  | 1/23/2025 8:10  |
| 496         | 1/23/2025 | T-11            | 1/23/2025 16:05 | 1/23/2025 16:37 |
| 496         | 1/24/2025 | T-12            | 1/24/2025 7:51  | 1/24/2025 8:11  |
| 496         | 1/24/2025 | T-11            | 1/24/2025 16:04 | 1/24/2025 16:39 |
| 496         | 1/25/2025 | T-12            | 1/25/2025 7:50  | 1/25/2025 8:11  |
| 496         | 1/25/2025 | T-11            | 1/25/2025 16:03 | 1/25/2025 16:40 |
| 496         | 1/26/2025 | T-12            | 1/26/2025 7:49  | 1/26/2025 8:12  |
| 496         | 1/26/2025 | T-11            | 1/26/2025 16:03 | 1/26/2025 16:41 |
| 496         | 1/27/2025 | T-12            | 1/27/2025 7:48  | 1/27/2025 8:12  |
| 496         | 1/27/2025 | T-11            | 1/27/2025 16:02 | 1/27/2025 16:42 |
| 496         | 1/28/2025 | T-12            | 1/28/2025 7:47  | 1/28/2025 8:12  |
| 496         | 1/28/2025 | T-11            | 1/28/2025 16:01 | 1/28/2025 16:43 |
| 496         | 1/29/2025 | T-12            | 1/29/2025 7:46  | 1/29/2025 8:13  |
| 496         | 1/29/2025 | T-11            | 1/29/2025 16:01 | 1/29/2025 16:44 |
| 496         | 1/30/2025 | T-12            | 1/30/2025 7:45  | 1/30/2025 8:13  |
| 496         | 1/30/2025 | T-11            | 1/30/2025 16:00 | 1/30/2025 16:44 |
| 496         | 1/31/2025 | T-12            | 1/31/2025 7:44  | 1/31/2025 8:13  |
| 496         | 1/31/2025 | T-11            | 1/31/2025 16:00 | 1/31/2025 16:45 |
| 496         | 2/1/2025  | T-12            | 2/1/2025 7:43   | 2/1/2025 8:13   |
| 496         | 2/1/2025  | T-11            | 2/1/2025 16:00  | 2/1/2025 16:46  |
| 496         | 2/2/2025  | T-12            | 2/2/2025 7:43   | 2/2/2025 8:13   |
| 496         | 2/2/2025  | T-11            | 2/2/2025 16:00  | 2/2/2025 16:47  |
| 496         | 2/3/2025  | T-12            | 2/3/2025 7:43   | 2/3/2025 8:13   |
| 496         | 2/3/2025  | T-11            | 2/3/2025 16:00  | 2/3/2025 16:47  |
| 496         | 2/4/2025  | T-12            | 2/4/2025 7:44   | 2/4/2025 8:12   |
| 496         | 2/4/2025  | T-11            | 2/4/2025 16:00  | 2/4/2025 16:48  |
| 496         | 2/5/2025  | T-12            | 2/5/2025 7:45   | 2/5/2025 8:12   |
| 496         | 2/5/2025  | T-11            | 2/5/2025 16:00  | 2/5/2025 16:48  |
| 496         | 2/6/2025  | T-12            | 2/6/2025 7:45   | 2/6/2025 8:10   |
| 496         | 2/6/2025  | T-11            | 2/6/2025 15:59  | 2/6/2025 16:48  |
| 496         | 2/7/2025  | T-12            | 2/7/2025 7:47   | 2/7/2025 8:10   |
| 496         | 2/7/2025  | T-11            | 2/7/2025 15:59  | 2/7/2025 16:48  |
| 496         | 2/8/2025  | T-12            | 2/8/2025 7:48   | 2/8/2025 8:09   |
| 496         | 2/8/2025  | T-11            | 2/8/2025 16:00  | 2/8/2025 16:49  |
| 496         | 2/9/2025  | T-12            | 2/9/2025 7:50   | 2/9/2025 8:07   |
| 496         | 2/9/2025  | T-11            | 2/9/2025 16:00  | 2/9/2025 16:49  |
| 496         | 2/10/2025 | T-12            | 2/10/2025 7:52  | 2/10/2025 8:04  |
| 496         | 2/10/2025 | T-9             | 2/10/2025 17:04 | 2/10/2025 17:06 |
| 496         | 2/10/2025 | T-11            | 2/10/2025 15:59 | 2/10/2025 16:48 |
| 496         | 2/11/2025 | T-9             | 2/11/2025 17:02 | 2/11/2025 17:08 |
| 496         | 2/11/2025 | T-11            | 2/11/2025 16:00 | 2/11/2025 16:49 |
| 496         | 2/12/2025 | T-9             | 2/12/2025 17:01 | 2/12/2025 17:10 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 496         | 2/12/2025 | T-11            | 2/12/2025 16:01 | 2/12/2025 16:49 |
| 496         | 2/13/2025 | T-9             | 2/13/2025 16:59 | 2/13/2025 17:10 |
| 496         | 2/13/2025 | T-11            | 2/13/2025 16:01 | 2/13/2025 16:48 |
| 496         | 2/14/2025 | T-9             | 2/14/2025 16:58 | 2/14/2025 17:12 |
| 496         | 2/14/2025 | T-11            | 2/14/2025 16:01 | 2/14/2025 16:48 |
| 496         | 2/15/2025 | T-9             | 2/15/2025 16:58 | 2/15/2025 17:14 |
| 496         | 2/15/2025 | T-11            | 2/15/2025 16:02 | 2/15/2025 16:48 |
| 496         | 2/16/2025 | T-9             | 2/16/2025 16:57 | 2/16/2025 17:15 |
| 496         | 2/16/2025 | T-11            | 2/16/2025 16:03 | 2/16/2025 16:46 |
| 496         | 2/17/2025 | T-9             | 2/17/2025 16:57 | 2/17/2025 17:17 |
| 496         | 2/17/2025 | T-11            | 2/17/2025 16:04 | 2/17/2025 16:46 |
| 496         | 2/18/2025 | T-9             | 2/18/2025 16:56 | 2/18/2025 17:18 |
| 496         | 2/18/2025 | T-11            | 2/18/2025 16:04 | 2/18/2025 16:45 |
| 496         | 2/19/2025 | T-9             | 2/19/2025 16:57 | 2/19/2025 17:19 |
| 496         | 2/19/2025 | T-11            | 2/19/2025 16:06 | 2/19/2025 16:44 |
| 496         | 2/20/2025 | T-9             | 2/20/2025 16:57 | 2/20/2025 17:20 |
| 496         | 2/20/2025 | T-11            | 2/20/2025 16:07 | 2/20/2025 16:42 |
| 496         | 2/21/2025 | T-9             | 2/21/2025 16:57 | 2/21/2025 17:21 |
| 496         | 2/21/2025 | T-11            | 2/21/2025 16:09 | 2/21/2025 16:41 |
| 496         | 2/22/2025 | T-9             | 2/22/2025 16:58 | 2/22/2025 17:20 |
| 496         | 2/22/2025 | T-11            | 2/22/2025 16:10 | 2/22/2025 16:39 |
| 496         | 2/23/2025 | T-9             | 2/23/2025 16:59 | 2/23/2025 17:20 |
| 496         | 2/23/2025 | T-11            | 2/23/2025 16:13 | 2/23/2025 16:38 |
| 496         | 2/24/2025 | T-9             | 2/24/2025 17:00 | 2/24/2025 17:18 |
| 496         | 2/24/2025 | T-11            | 2/24/2025 16:15 | 2/24/2025 16:34 |
| 496         | 2/25/2025 | T-9             | 2/25/2025 17:01 | 2/25/2025 17:16 |
| 496         | 2/25/2025 | T-11            | 2/25/2025 16:19 | 2/25/2025 16:29 |
| 496         | 2/26/2025 | T-9             | 2/26/2025 17:04 | 2/26/2025 17:14 |
| 496         | 4/13/2025 | T-8             | 4/13/2025 19:19 | 4/13/2025 19:23 |
| 496         | 4/14/2025 | T-8             | 4/14/2025 19:16 | 4/14/2025 19:24 |
| 496         | 4/15/2025 | T-8             | 4/15/2025 19:13 | 4/15/2025 19:24 |
| 496         | 4/16/2025 | T-8             | 4/16/2025 19:13 | 4/16/2025 19:26 |
| 496         | 4/17/2025 | T-8             | 4/17/2025 19:11 | 4/17/2025 19:27 |
| 496         | 4/18/2025 | T-8             | 4/18/2025 19:11 | 4/18/2025 19:29 |
| 496         | 4/19/2025 | T-8             | 4/19/2025 19:10 | 4/19/2025 19:29 |
| 496         | 4/20/2025 | T-8             | 4/20/2025 19:09 | 4/20/2025 19:30 |
| 496         | 4/21/2025 | T-8             | 4/21/2025 19:09 | 4/21/2025 19:31 |
| 496         | 4/22/2025 | T-8             | 4/22/2025 19:08 | 4/22/2025 19:32 |
| 496         | 4/23/2025 | T-8             | 4/23/2025 19:09 | 4/23/2025 19:34 |
| 496         | 4/24/2025 | T-8             | 4/24/2025 19:08 | 4/24/2025 19:34 |
| 496         | 4/25/2025 | T-8             | 4/25/2025 19:09 | 4/25/2025 19:33 |
| 496         | 4/26/2025 | T-8             | 4/26/2025 19:09 | 4/26/2025 19:32 |
| 496         | 4/27/2025 | T-8             | 4/27/2025 19:10 | 4/27/2025 19:32 |
| 496         | 4/28/2025 | T-8             | 4/28/2025 19:11 | 4/28/2025 19:31 |
| 496         | 4/29/2025 | T-8             | 4/29/2025 19:12 | 4/29/2025 19:29 |
| 496         | 4/30/2025 | T-8             | 4/30/2025 19:14 | 4/30/2025 19:27 |
| 496         | 5/1/2025  | T-8             | 5/1/2025 19:17  | 5/1/2025 19:24  |
| 496         | 5/11/2025 | T-10            | 5/11/2025 19:24 | 5/11/2025 19:33 |
| 496         | 5/12/2025 | T-10            | 5/12/2025 19:19 | 5/12/2025 19:39 |
| 496         | 5/13/2025 | T-10            | 5/13/2025 19:16 | 5/13/2025 19:42 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 496         | 5/14/2025 | T-10            | 5/14/2025 19:13 | 5/14/2025 19:45 |
| 496         | 5/15/2025 | T-10            | 5/15/2025 19:11 | 5/15/2025 19:47 |
| 496         | 5/16/2025 | T-10            | 5/16/2025 19:09 | 5/16/2025 19:48 |
| 496         | 5/17/2025 | T-10            | 5/17/2025 19:08 | 5/17/2025 19:50 |
| 496         | 5/18/2025 | T-10            | 5/18/2025 19:06 | 5/18/2025 19:51 |
| 496         | 5/19/2025 | T-10            | 5/19/2025 19:06 | 5/19/2025 19:53 |
| 496         | 5/20/2025 | T-10            | 5/20/2025 19:05 | 5/20/2025 19:54 |
| 496         | 5/21/2025 | T-10            | 5/21/2025 19:04 | 5/21/2025 19:55 |
| 496         | 5/22/2025 | T-10            | 5/22/2025 19:03 | 5/22/2025 19:56 |
| 496         | 5/23/2025 | T-10            | 5/23/2025 19:02 | 5/23/2025 19:56 |
| 496         | 5/24/2025 | T-10            | 5/24/2025 19:02 | 5/24/2025 19:58 |
| 496         | 5/25/2025 | T-10            | 5/25/2025 19:01 | 5/25/2025 19:58 |
| 496         | 5/26/2025 | T-10            | 5/26/2025 19:00 | 5/26/2025 19:59 |
| 496         | 5/27/2025 | T-10            | 5/27/2025 19:00 | 5/27/2025 20:00 |
| 496         | 5/28/2025 | T-10            | 5/28/2025 19:00 | 5/28/2025 20:00 |
| 496         | 5/29/2025 | T-10            | 5/29/2025 18:59 | 5/29/2025 20:00 |
| 496         | 5/30/2025 | T-10            | 5/30/2025 18:59 | 5/30/2025 20:02 |
| 496         | 5/31/2025 | T-10            | 5/31/2025 18:58 | 5/31/2025 20:02 |
| 496         | 6/1/2025  | T-10            | 6/1/2025 18:59  | 6/1/2025 20:03  |
| 496         | 6/2/2025  | T-10            | 6/2/2025 18:58  | 6/2/2025 20:03  |
| 496         | 6/3/2025  | T-10            | 6/3/2025 18:58  | 6/3/2025 20:03  |
| 496         | 6/4/2025  | T-10            | 6/4/2025 18:59  | 6/4/2025 20:04  |
| 496         | 6/5/2025  | T-10            | 6/5/2025 18:58  | 6/5/2025 20:04  |
| 496         | 6/6/2025  | T-10            | 6/6/2025 18:58  | 6/6/2025 20:05  |
| 496         | 6/7/2025  | T-10            | 6/7/2025 18:58  | 6/7/2025 20:05  |
| 496         | 6/8/2025  | T-10            | 6/8/2025 18:59  | 6/8/2025 20:06  |
| 496         | 6/9/2025  | T-10            | 6/9/2025 18:58  | 6/9/2025 20:06  |
| 496         | 6/10/2025 | T-10            | 6/10/2025 18:58 | 6/10/2025 20:06 |
| 496         | 6/11/2025 | T-10            | 6/11/2025 18:58 | 6/11/2025 20:07 |
| 496         | 6/12/2025 | T-10            | 6/12/2025 18:58 | 6/12/2025 20:07 |
| 496         | 6/13/2025 | T-10            | 6/13/2025 18:59 | 6/13/2025 20:07 |
| 496         | 6/14/2025 | T-10            | 6/14/2025 18:59 | 6/14/2025 20:08 |
| 496         | 6/15/2025 | T-10            | 6/15/2025 18:59 | 6/15/2025 20:08 |
| 496         | 6/16/2025 | T-10            | 6/16/2025 18:59 | 6/16/2025 20:08 |
| 496         | 6/17/2025 | T-10            | 6/17/2025 18:59 | 6/17/2025 20:08 |
| 496         | 6/18/2025 | T-10            | 6/18/2025 18:59 | 6/18/2025 20:09 |
| 496         | 6/19/2025 | T-10            | 6/19/2025 18:59 | 6/19/2025 20:09 |
| 496         | 6/20/2025 | T-10            | 6/20/2025 18:59 | 6/20/2025 20:09 |
| 496         | 6/21/2025 | T-10            | 6/21/2025 18:59 | 6/21/2025 20:09 |
| 496         | 6/22/2025 | T-10            | 6/22/2025 19:00 | 6/22/2025 20:10 |
| 496         | 6/23/2025 | T-10            | 6/23/2025 19:00 | 6/23/2025 20:10 |
| 496         | 6/24/2025 | T-10            | 6/24/2025 19:00 | 6/24/2025 20:10 |
| 496         | 6/25/2025 | T-10            | 6/25/2025 19:00 | 6/25/2025 20:10 |
| 496         | 6/26/2025 | T-10            | 6/26/2025 19:01 | 6/26/2025 20:10 |
| 496         | 6/27/2025 | T-10            | 6/27/2025 19:01 | 6/27/2025 20:10 |
| 496         | 6/28/2025 | T-10            | 6/28/2025 19:02 | 6/28/2025 20:11 |
| 496         | 6/29/2025 | T-10            | 6/29/2025 19:02 | 6/29/2025 20:11 |
| 496         | 6/30/2025 | T-10            | 6/30/2025 19:02 | 6/30/2025 20:10 |
| 496         | 7/1/2025  | T-10            | 7/1/2025 19:02  | 7/1/2025 20:11  |
| 496         | 7/2/2025  | T-10            | 7/2/2025 19:02  | 7/2/2025 20:11  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 496         | 7/3/2025  | T-10            | 7/3/2025 19:03  | 7/3/2025 20:11  |
| 496         | 7/4/2025  | T-10            | 7/4/2025 19:04  | 7/4/2025 20:12  |
| 496         | 7/5/2025  | T-10            | 7/5/2025 19:04  | 7/5/2025 20:11  |
| 496         | 7/6/2025  | T-10            | 7/6/2025 19:04  | 7/6/2025 20:11  |
| 496         | 7/7/2025  | T-10            | 7/7/2025 19:04  | 7/7/2025 20:11  |
| 496         | 7/8/2025  | T-10            | 7/8/2025 19:05  | 7/8/2025 20:11  |
| 496         | 7/9/2025  | T-10            | 7/9/2025 19:06  | 7/9/2025 20:11  |
| 496         | 7/10/2025 | T-10            | 7/10/2025 19:05 | 7/10/2025 20:10 |
| 496         | 7/11/2025 | T-10            | 7/11/2025 19:06 | 7/11/2025 20:11 |
| 496         | 7/12/2025 | T-10            | 7/12/2025 19:07 | 7/12/2025 20:11 |
| 496         | 7/13/2025 | T-10            | 7/13/2025 19:07 | 7/13/2025 20:11 |
| 496         | 7/14/2025 | T-10            | 7/14/2025 19:07 | 7/14/2025 20:10 |
| 496         | 7/15/2025 | T-10            | 7/15/2025 19:08 | 7/15/2025 20:09 |
| 496         | 7/16/2025 | T-10            | 7/16/2025 19:09 | 7/16/2025 20:09 |
| 496         | 7/17/2025 | T-10            | 7/17/2025 19:09 | 7/17/2025 20:09 |
| 496         | 7/18/2025 | T-10            | 7/18/2025 19:10 | 7/18/2025 20:09 |
| 496         | 7/19/2025 | T-10            | 7/19/2025 19:10 | 7/19/2025 20:07 |
| 496         | 7/20/2025 | T-10            | 7/20/2025 19:11 | 7/20/2025 20:07 |
| 496         | 7/21/2025 | T-10            | 7/21/2025 19:12 | 7/21/2025 20:06 |
| 496         | 7/22/2025 | T-10            | 7/22/2025 19:13 | 7/22/2025 20:06 |
| 496         | 7/23/2025 | T-10            | 7/23/2025 19:14 | 7/23/2025 20:05 |
| 496         | 7/24/2025 | T-10            | 7/24/2025 19:15 | 7/24/2025 20:04 |
| 496         | 7/25/2025 | T-10            | 7/25/2025 19:16 | 7/25/2025 20:03 |
| 496         | 7/26/2025 | T-10            | 7/26/2025 19:17 | 7/26/2025 20:02 |
| 496         | 7/27/2025 | T-10            | 7/27/2025 19:19 | 7/27/2025 20:01 |
| 496         | 7/28/2025 | T-10            | 7/28/2025 19:20 | 7/28/2025 20:00 |
| 496         | 7/29/2025 | T-10            | 7/29/2025 19:22 | 7/29/2025 19:58 |
| 496         | 7/30/2025 | T-10            | 7/30/2025 19:24 | 7/30/2025 19:56 |
| 496         | 7/31/2025 | T-10            | 7/31/2025 19:26 | 7/31/2025 19:54 |
| 496         | 8/1/2025  | T-10            | 8/1/2025 19:29  | 8/1/2025 19:51  |
| 496         | 8/2/2025  | T-10            | 8/2/2025 19:34  | 8/2/2025 19:46  |
| 496         | 8/12/2025 | T-8             | 8/12/2025 19:27 | 8/12/2025 19:31 |
| 496         | 8/13/2025 | T-8             | 8/13/2025 19:23 | 8/13/2025 19:35 |
| 496         | 8/14/2025 | T-8             | 8/14/2025 19:21 | 8/14/2025 19:37 |
| 496         | 8/15/2025 | T-8             | 8/15/2025 19:19 | 8/15/2025 19:38 |
| 496         | 8/16/2025 | T-8             | 8/16/2025 19:18 | 8/16/2025 19:39 |
| 496         | 8/17/2025 | T-8             | 8/17/2025 19:16 | 8/17/2025 19:39 |
| 496         | 8/18/2025 | T-8             | 8/18/2025 19:16 | 8/18/2025 19:40 |
| 496         | 8/19/2025 | T-8             | 8/19/2025 19:15 | 8/19/2025 19:40 |
| 496         | 8/20/2025 | T-8             | 8/20/2025 19:14 | 8/20/2025 19:40 |
| 496         | 8/21/2025 | T-8             | 8/21/2025 19:14 | 8/21/2025 19:38 |
| 496         | 8/22/2025 | T-8             | 8/22/2025 19:13 | 8/22/2025 19:36 |
| 496         | 8/23/2025 | T-8             | 8/23/2025 19:13 | 8/23/2025 19:35 |
| 496         | 8/24/2025 | T-8             | 8/24/2025 19:13 | 8/24/2025 19:33 |
| 496         | 8/25/2025 | T-8             | 8/25/2025 19:13 | 8/25/2025 19:32 |
| 496         | 8/26/2025 | T-8             | 8/26/2025 19:13 | 8/26/2025 19:30 |
| 496         | 8/27/2025 | T-8             | 8/27/2025 19:14 | 8/27/2025 19:28 |
| 496         | 8/28/2025 | T-8             | 8/28/2025 19:14 | 8/28/2025 19:27 |
| 496         | 8/29/2025 | T-8             | 8/29/2025 19:15 | 8/29/2025 19:25 |
| 496         | 8/30/2025 | T-8             | 8/30/2025 19:17 | 8/30/2025 19:23 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 496         | 8/31/2025  | T-8             | 8/31/2025 19:20  | 8/31/2025 19:22  |
| 496         | 10/16/2025 | T-9             | 10/16/2025 17:37 | 10/16/2025 17:45 |
| 496         | 10/17/2025 | T-9             | 10/17/2025 17:33 | 10/17/2025 17:48 |
| 496         | 10/17/2025 | T-11            | 10/17/2025 16:53 | 10/17/2025 17:00 |
| 496         | 10/18/2025 | T-9             | 10/18/2025 17:31 | 10/18/2025 17:49 |
| 496         | 10/18/2025 | T-11            | 10/18/2025 16:47 | 10/18/2025 17:05 |
| 496         | 10/19/2025 | T-9             | 10/19/2025 17:29 | 10/19/2025 17:50 |
| 496         | 10/19/2025 | T-11            | 10/19/2025 16:43 | 10/19/2025 17:07 |
| 496         | 10/20/2025 | T-9             | 10/20/2025 17:29 | 10/20/2025 17:51 |
| 496         | 10/20/2025 | T-11            | 10/20/2025 16:42 | 10/20/2025 17:10 |
| 496         | 10/21/2025 | T-9             | 10/21/2025 17:28 | 10/21/2025 17:51 |
| 496         | 10/21/2025 | T-11            | 10/21/2025 16:39 | 10/21/2025 17:11 |
| 496         | 10/22/2025 | T-9             | 10/22/2025 17:27 | 10/22/2025 17:51 |
| 496         | 10/22/2025 | T-11            | 10/22/2025 16:37 | 10/22/2025 17:12 |
| 496         | 10/23/2025 | T-9             | 10/23/2025 17:26 | 10/23/2025 17:49 |
| 496         | 10/23/2025 | T-11            | 10/23/2025 16:36 | 10/23/2025 17:13 |
| 496         | 10/24/2025 | T-9             | 10/24/2025 17:27 | 10/24/2025 17:48 |
| 496         | 10/24/2025 | T-11            | 10/24/2025 16:35 | 10/24/2025 17:15 |
| 496         | 10/25/2025 | T-9             | 10/25/2025 17:27 | 10/25/2025 17:47 |
| 496         | 10/25/2025 | T-11            | 10/25/2025 16:34 | 10/25/2025 17:15 |
| 496         | 10/26/2025 | T-9             | 10/26/2025 17:26 | 10/26/2025 17:45 |
| 496         | 10/26/2025 | T-11            | 10/26/2025 16:32 | 10/26/2025 17:16 |
| 496         | 10/27/2025 | T-9             | 10/27/2025 17:27 | 10/27/2025 17:44 |
| 496         | 10/27/2025 | T-11            | 10/27/2025 16:32 | 10/27/2025 17:17 |
| 496         | 10/28/2025 | T-9             | 10/28/2025 17:28 | 10/28/2025 17:42 |
| 496         | 10/28/2025 | T-11            | 10/28/2025 16:31 | 10/28/2025 17:17 |
| 496         | 10/29/2025 | T-9             | 10/29/2025 17:28 | 10/29/2025 17:40 |
| 496         | 10/29/2025 | T-11            | 10/29/2025 16:30 | 10/29/2025 17:17 |
| 496         | 10/30/2025 | T-9             | 10/30/2025 17:30 | 10/30/2025 17:40 |
| 496         | 10/30/2025 | T-11            | 10/30/2025 16:30 | 10/30/2025 17:18 |
| 496         | 10/31/2025 | T-9             | 10/31/2025 17:31 | 10/31/2025 17:38 |
| 496         | 10/31/2025 | T-11            | 10/31/2025 16:30 | 10/31/2025 17:18 |
| 496         | 11/1/2025  | T-12            | 11/1/2025 8:23   | 11/1/2025 8:32   |
| 496         | 11/1/2025  | T-9             | 11/1/2025 17:32  | 11/1/2025 17:36  |
| 496         | 11/1/2025  | T-11            | 11/1/2025 16:29  | 11/1/2025 17:18  |
| 496         | 11/2/2025  | T-12            | 11/2/2025 7:21   | 11/2/2025 7:36   |
| 496         | 11/2/2025  | T-11            | 11/2/2025 15:30  | 11/2/2025 16:19  |
| 496         | 11/3/2025  | T-12            | 11/3/2025 7:18   | 11/3/2025 7:38   |
| 496         | 11/3/2025  | T-11            | 11/3/2025 15:29  | 11/3/2025 16:18  |
| 496         | 11/4/2025  | T-12            | 11/4/2025 7:17   | 11/4/2025 7:39   |
| 496         | 11/4/2025  | T-11            | 11/4/2025 15:29  | 11/4/2025 16:18  |
| 496         | 11/5/2025  | T-12            | 11/5/2025 7:16   | 11/5/2025 7:41   |
| 496         | 11/5/2025  | T-11            | 11/5/2025 15:29  | 11/5/2025 16:19  |
| 496         | 11/6/2025  | T-12            | 11/6/2025 7:15   | 11/6/2025 7:41   |
| 496         | 11/6/2025  | T-11            | 11/6/2025 15:29  | 11/6/2025 16:18  |
| 496         | 11/7/2025  | T-12            | 11/7/2025 7:14   | 11/7/2025 7:42   |
| 496         | 11/7/2025  | T-11            | 11/7/2025 15:29  | 11/7/2025 16:18  |
| 496         | 11/8/2025  | T-12            | 11/8/2025 7:14   | 11/8/2025 7:43   |
| 496         | 11/8/2025  | T-11            | 11/8/2025 15:30  | 11/8/2025 16:18  |
| 496         | 11/9/2025  | T-12            | 11/9/2025 7:13   | 11/9/2025 7:43   |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 496         | 11/9/2025  | T-11            | 11/9/2025 15:30  | 11/9/2025 16:17  |
| 496         | 11/10/2025 | T-12            | 11/10/2025 7:14  | 11/10/2025 7:44  |
| 496         | 11/10/2025 | T-11            | 11/10/2025 15:31 | 11/10/2025 16:18 |
| 496         | 11/11/2025 | T-12            | 11/11/2025 7:15  | 11/11/2025 7:44  |
| 496         | 11/11/2025 | T-11            | 11/11/2025 15:32 | 11/11/2025 16:17 |
| 496         | 11/12/2025 | T-12            | 11/12/2025 7:16  | 11/12/2025 7:44  |
| 496         | 11/12/2025 | T-11            | 11/12/2025 15:32 | 11/12/2025 16:16 |
| 496         | 11/13/2025 | T-12            | 11/13/2025 7:18  | 11/13/2025 7:45  |
| 496         | 11/13/2025 | T-11            | 11/13/2025 15:33 | 11/13/2025 16:17 |
| 496         | 11/14/2025 | T-12            | 11/14/2025 7:19  | 11/14/2025 7:45  |
| 496         | 11/14/2025 | T-11            | 11/14/2025 15:34 | 11/14/2025 16:16 |
| 496         | 11/15/2025 | T-12            | 11/15/2025 7:20  | 11/15/2025 7:45  |
| 496         | 11/15/2025 | T-11            | 11/15/2025 15:34 | 11/15/2025 16:15 |
| 496         | 11/16/2025 | T-12            | 11/16/2025 7:22  | 11/16/2025 7:45  |
| 496         | 11/16/2025 | T-11            | 11/16/2025 15:36 | 11/16/2025 16:15 |
| 496         | 11/17/2025 | T-12            | 11/17/2025 7:23  | 11/17/2025 7:45  |
| 496         | 11/17/2025 | T-11            | 11/17/2025 15:36 | 11/17/2025 16:14 |
| 496         | 11/18/2025 | T-12            | 11/18/2025 7:24  | 11/18/2025 7:45  |
| 496         | 11/18/2025 | T-11            | 11/18/2025 15:37 | 11/18/2025 16:13 |
| 496         | 11/19/2025 | T-12            | 11/19/2025 7:26  | 11/19/2025 7:45  |
| 496         | 11/19/2025 | T-11            | 11/19/2025 15:39 | 11/19/2025 16:13 |
| 496         | 11/20/2025 | T-12            | 11/20/2025 7:27  | 11/20/2025 7:45  |
| 496         | 11/20/2025 | T-11            | 11/20/2025 15:40 | 11/20/2025 16:11 |
| 496         | 11/21/2025 | T-12            | 11/21/2025 7:28  | 11/21/2025 7:44  |
| 496         | 11/21/2025 | T-11            | 11/21/2025 15:41 | 11/21/2025 16:10 |
| 496         | 11/22/2025 | T-12            | 11/22/2025 7:30  | 11/22/2025 7:44  |
| 496         | 11/22/2025 | T-11            | 11/22/2025 15:44 | 11/22/2025 16:10 |
| 496         | 11/23/2025 | T-12            | 11/23/2025 7:31  | 11/23/2025 7:44  |
| 496         | 11/23/2025 | T-11            | 11/23/2025 15:45 | 11/23/2025 16:08 |
| 496         | 11/24/2025 | T-12            | 11/24/2025 7:32  | 11/24/2025 7:43  |
| 496         | 11/24/2025 | T-11            | 11/24/2025 15:47 | 11/24/2025 16:06 |
| 496         | 11/25/2025 | T-12            | 11/25/2025 7:33  | 11/25/2025 7:42  |
| 496         | 11/25/2025 | T-11            | 11/25/2025 15:50 | 11/25/2025 16:04 |
| 496         | 11/26/2025 | T-12            | 11/26/2025 7:35  | 11/26/2025 7:42  |
| 496         | 11/26/2025 | T-11            | 11/26/2025 15:55 | 11/26/2025 16:01 |
| 496         | 11/27/2025 | T-12            | 11/27/2025 7:36  | 11/27/2025 7:41  |
| 496         | 11/28/2025 | T-12            | 11/28/2025 7:37  | 11/28/2025 7:40  |
| 610         | 2/20/2025  | T-19            | 2/20/2025 17:01  | 2/20/2025 17:10  |
| 610         | 2/21/2025  | T-19            | 2/21/2025 16:55  | 2/21/2025 17:17  |
| 610         | 2/22/2025  | T-21            | 2/22/2025 17:19  | 2/22/2025 17:23  |
| 610         | 2/22/2025  | T-19            | 2/22/2025 16:51  | 2/22/2025 17:20  |
| 610         | 2/23/2025  | T-21            | 2/23/2025 17:17  | 2/23/2025 17:24  |
| 610         | 2/23/2025  | T-19            | 2/23/2025 16:47  | 2/23/2025 17:23  |
| 610         | 2/24/2025  | T-21            | 2/24/2025 17:16  | 2/24/2025 17:26  |
| 610         | 2/24/2025  | T-19            | 2/24/2025 16:45  | 2/24/2025 17:25  |
| 610         | 2/25/2025  | T-21            | 2/25/2025 17:14  | 2/25/2025 17:27  |
| 610         | 2/25/2025  | T-19            | 2/25/2025 16:43  | 2/25/2025 17:27  |
| 610         | 2/26/2025  | T-21            | 2/26/2025 17:14  | 2/26/2025 17:29  |
| 610         | 2/26/2025  | T-19            | 2/26/2025 16:42  | 2/26/2025 17:29  |
| 610         | 2/27/2025  | T-21            | 2/27/2025 17:12  | 2/27/2025 17:30  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 610         | 2/27/2025 | T-19            | 2/27/2025 16:39 | 2/27/2025 17:30 |
| 610         | 2/28/2025 | T-21            | 2/28/2025 17:11 | 2/28/2025 17:31 |
| 610         | 2/28/2025 | T-19            | 2/28/2025 16:38 | 2/28/2025 17:31 |
| 610         | 3/1/2025  | T-21            | 3/1/2025 17:11  | 3/1/2025 17:33  |
| 610         | 3/1/2025  | T-19            | 3/1/2025 16:37  | 3/1/2025 17:33  |
| 610         | 3/2/2025  | T-21            | 3/2/2025 17:11  | 3/2/2025 17:34  |
| 610         | 3/2/2025  | T-19            | 3/2/2025 16:35  | 3/2/2025 17:33  |
| 610         | 3/3/2025  | T-21            | 3/3/2025 17:11  | 3/3/2025 17:36  |
| 610         | 3/3/2025  | T-19            | 3/3/2025 16:35  | 3/3/2025 17:35  |
| 610         | 3/4/2025  | T-21            | 3/4/2025 17:11  | 3/4/2025 17:37  |
| 610         | 3/4/2025  | T-19            | 3/4/2025 16:33  | 3/4/2025 17:35  |
| 610         | 3/5/2025  | T-21            | 3/5/2025 17:10  | 3/5/2025 17:37  |
| 610         | 3/5/2025  | T-19            | 3/5/2025 16:32  | 3/5/2025 17:36  |
| 610         | 3/6/2025  | T-21            | 3/6/2025 17:10  | 3/6/2025 17:38  |
| 610         | 3/6/2025  | T-19            | 3/6/2025 16:31  | 3/6/2025 17:36  |
| 610         | 3/7/2025  | T-21            | 3/7/2025 17:11  | 3/7/2025 17:40  |
| 610         | 3/7/2025  | T-19            | 3/7/2025 16:31  | 3/7/2025 17:37  |
| 610         | 3/8/2025  | T-21            | 3/8/2025 17:12  | 3/8/2025 17:40  |
| 610         | 3/8/2025  | T-19            | 3/8/2025 16:30  | 3/8/2025 17:37  |
| 610         | 3/9/2025  | T-21            | 3/9/2025 18:12  | 3/9/2025 18:39  |
| 610         | 3/9/2025  | T-19            | 3/9/2025 17:29  | 3/9/2025 18:37  |
| 610         | 3/10/2025 | T-21            | 3/10/2025 18:14 | 3/10/2025 18:38 |
| 610         | 3/10/2025 | T-19            | 3/10/2025 17:29 | 3/10/2025 18:38 |
| 610         | 3/11/2025 | T-21            | 3/11/2025 18:15 | 3/11/2025 18:36 |
| 610         | 3/11/2025 | T-19            | 3/11/2025 17:28 | 3/11/2025 18:38 |
| 610         | 3/12/2025 | T-21            | 3/12/2025 18:17 | 3/12/2025 18:33 |
| 610         | 3/12/2025 | T-19            | 3/12/2025 17:27 | 3/12/2025 18:37 |
| 610         | 3/13/2025 | T-21            | 3/13/2025 18:19 | 3/13/2025 18:30 |
| 610         | 3/13/2025 | T-19            | 3/13/2025 17:27 | 3/13/2025 18:37 |
| 610         | 3/14/2025 | T-19            | 3/14/2025 17:27 | 3/14/2025 18:37 |
| 610         | 3/15/2025 | T-19            | 3/15/2025 17:27 | 3/15/2025 18:37 |
| 610         | 3/16/2025 | T-19            | 3/16/2025 17:26 | 3/16/2025 18:36 |
| 610         | 3/17/2025 | T-19            | 3/17/2025 17:26 | 3/17/2025 18:36 |
| 610         | 3/18/2025 | T-19            | 3/18/2025 17:27 | 3/18/2025 18:36 |
| 610         | 3/19/2025 | T-19            | 3/19/2025 17:27 | 3/19/2025 18:35 |
| 610         | 3/20/2025 | T-19            | 3/20/2025 17:27 | 3/20/2025 18:34 |
| 610         | 3/21/2025 | T-19            | 3/21/2025 17:27 | 3/21/2025 18:34 |
| 610         | 3/22/2025 | T-19            | 3/22/2025 17:28 | 3/22/2025 18:34 |
| 610         | 3/23/2025 | T-19            | 3/23/2025 17:28 | 3/23/2025 18:32 |
| 610         | 3/24/2025 | T-19            | 3/24/2025 17:28 | 3/24/2025 18:31 |
| 610         | 3/25/2025 | T-19            | 3/25/2025 17:28 | 3/25/2025 18:30 |
| 610         | 3/26/2025 | T-19            | 3/26/2025 17:29 | 3/26/2025 18:29 |
| 610         | 3/27/2025 | T-19            | 3/27/2025 17:30 | 3/27/2025 18:28 |
| 610         | 3/28/2025 | T-19            | 3/28/2025 17:31 | 3/28/2025 18:27 |
| 610         | 3/29/2025 | T-19            | 3/29/2025 17:32 | 3/29/2025 18:25 |
| 610         | 3/30/2025 | T-19            | 3/30/2025 17:33 | 3/30/2025 18:23 |
| 610         | 3/31/2025 | T-19            | 3/31/2025 17:35 | 3/31/2025 18:22 |
| 610         | 4/1/2025  | T-19            | 4/1/2025 17:36  | 4/1/2025 18:20  |
| 610         | 4/2/2025  | T-19            | 4/2/2025 17:37  | 4/2/2025 18:17  |
| 610         | 4/3/2025  | T-19            | 4/3/2025 17:39  | 4/3/2025 18:15  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 610         | 4/4/2025  | T-19            | 4/4/2025 17:42  | 4/4/2025 18:12  |
| 610         | 4/5/2025  | T-19            | 4/5/2025 17:45  | 4/5/2025 18:08  |
| 610         | 4/6/2025  | T-19            | 4/6/2025 17:50  | 4/6/2025 18:02  |
| 610         | 5/3/2025  | T-20            | 5/3/2025 19:43  | 5/3/2025 19:44  |
| 610         | 5/4/2025  | T-20            | 5/4/2025 19:39  | 5/4/2025 19:45  |
| 610         | 5/5/2025  | T-20            | 5/5/2025 19:36  | 5/5/2025 19:46  |
| 610         | 5/6/2025  | T-20            | 5/6/2025 19:35  | 5/6/2025 19:47  |
| 610         | 5/7/2025  | T-20            | 5/7/2025 19:33  | 5/7/2025 19:48  |
| 610         | 5/8/2025  | T-20            | 5/8/2025 19:32  | 5/8/2025 19:49  |
| 610         | 5/9/2025  | T-20            | 5/9/2025 19:31  | 5/9/2025 19:51  |
| 610         | 5/10/2025 | T-20            | 5/10/2025 19:31 | 5/10/2025 19:52 |
| 610         | 5/11/2025 | T-20            | 5/11/2025 19:29 | 5/11/2025 19:52 |
| 610         | 5/12/2025 | T-20            | 5/12/2025 19:29 | 5/12/2025 19:53 |
| 610         | 5/13/2025 | T-20            | 5/13/2025 19:28 | 5/13/2025 19:54 |
| 610         | 5/14/2025 | T-20            | 5/14/2025 19:28 | 5/14/2025 19:55 |
| 610         | 5/15/2025 | T-20            | 5/15/2025 19:28 | 5/15/2025 19:56 |
| 610         | 5/16/2025 | T-20            | 5/16/2025 19:27 | 5/16/2025 19:57 |
| 610         | 5/17/2025 | T-20            | 5/17/2025 19:27 | 5/17/2025 19:58 |
| 610         | 5/18/2025 | T-20            | 5/18/2025 19:27 | 5/18/2025 19:59 |
| 610         | 5/19/2025 | T-20            | 5/19/2025 19:28 | 5/19/2025 20:01 |
| 610         | 5/20/2025 | T-20            | 5/20/2025 19:28 | 5/20/2025 20:01 |
| 610         | 5/21/2025 | T-20            | 5/21/2025 19:28 | 5/21/2025 20:02 |
| 610         | 5/22/2025 | T-20            | 5/22/2025 19:28 | 5/22/2025 20:03 |
| 610         | 5/23/2025 | T-20            | 5/23/2025 19:28 | 5/23/2025 20:03 |
| 610         | 5/24/2025 | T-20            | 5/24/2025 19:29 | 5/24/2025 20:04 |
| 610         | 5/25/2025 | T-20            | 5/25/2025 19:29 | 5/25/2025 20:04 |
| 610         | 5/26/2025 | T-20            | 5/26/2025 19:29 | 5/26/2025 20:03 |
| 610         | 5/27/2025 | T-20            | 5/27/2025 19:30 | 5/27/2025 20:04 |
| 610         | 5/28/2025 | T-20            | 5/28/2025 19:30 | 5/28/2025 20:03 |
| 610         | 5/29/2025 | T-20            | 5/29/2025 19:30 | 5/29/2025 20:03 |
| 610         | 5/30/2025 | T-20            | 5/30/2025 19:31 | 5/30/2025 20:03 |
| 610         | 5/31/2025 | T-20            | 5/31/2025 19:31 | 5/31/2025 20:02 |
| 610         | 6/1/2025  | T-20            | 6/1/2025 19:32  | 6/1/2025 20:03  |
| 610         | 6/2/2025  | T-20            | 6/2/2025 19:31  | 6/2/2025 20:02  |
| 610         | 6/3/2025  | T-20            | 6/3/2025 19:32  | 6/3/2025 20:02  |
| 610         | 6/4/2025  | T-20            | 6/4/2025 19:33  | 6/4/2025 20:02  |
| 610         | 6/5/2025  | T-20            | 6/5/2025 19:33  | 6/5/2025 20:01  |
| 610         | 6/6/2025  | T-20            | 6/6/2025 19:34  | 6/6/2025 20:01  |
| 610         | 6/7/2025  | T-20            | 6/7/2025 19:35  | 6/7/2025 20:02  |
| 610         | 6/8/2025  | T-20            | 6/8/2025 19:36  | 6/8/2025 20:02  |
| 610         | 6/9/2025  | T-20            | 6/9/2025 19:36  | 6/9/2025 20:01  |
| 610         | 6/10/2025 | T-20            | 6/10/2025 19:36 | 6/10/2025 20:01 |
| 610         | 6/11/2025 | T-20            | 6/11/2025 19:37 | 6/11/2025 20:01 |
| 610         | 6/12/2025 | T-20            | 6/12/2025 19:38 | 6/12/2025 20:00 |
| 610         | 6/13/2025 | T-20            | 6/13/2025 19:38 | 6/13/2025 20:00 |
| 610         | 6/14/2025 | T-20            | 6/14/2025 19:39 | 6/14/2025 20:00 |
| 610         | 6/15/2025 | T-20            | 6/15/2025 19:39 | 6/15/2025 20:00 |
| 610         | 6/16/2025 | T-20            | 6/16/2025 19:40 | 6/16/2025 20:00 |
| 610         | 6/17/2025 | T-20            | 6/17/2025 19:40 | 6/17/2025 20:00 |
| 610         | 6/18/2025 | T-20            | 6/18/2025 19:40 | 6/18/2025 20:00 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 610         | 6/19/2025 | T-20            | 6/19/2025 19:41 | 6/19/2025 20:00 |
| 610         | 6/20/2025 | T-20            | 6/20/2025 19:41 | 6/20/2025 20:00 |
| 610         | 6/21/2025 | T-20            | 6/21/2025 19:41 | 6/21/2025 20:00 |
| 610         | 6/22/2025 | T-20            | 6/22/2025 19:42 | 6/22/2025 20:01 |
| 610         | 6/23/2025 | T-20            | 6/23/2025 19:42 | 6/23/2025 20:01 |
| 610         | 6/24/2025 | T-20            | 6/24/2025 19:42 | 6/24/2025 20:01 |
| 610         | 6/25/2025 | T-20            | 6/25/2025 19:42 | 6/25/2025 20:02 |
| 610         | 6/26/2025 | T-20            | 6/26/2025 19:42 | 6/26/2025 20:02 |
| 610         | 6/27/2025 | T-20            | 6/27/2025 19:42 | 6/27/2025 20:02 |
| 610         | 6/28/2025 | T-20            | 6/28/2025 19:42 | 6/28/2025 20:03 |
| 610         | 6/29/2025 | T-20            | 6/29/2025 19:42 | 6/29/2025 20:03 |
| 610         | 6/30/2025 | T-20            | 6/30/2025 19:42 | 6/30/2025 20:04 |
| 610         | 7/1/2025  | T-20            | 7/1/2025 19:42  | 7/1/2025 20:04  |
| 610         | 7/2/2025  | T-20            | 7/2/2025 19:42  | 7/2/2025 20:06  |
| 610         | 7/3/2025  | T-20            | 7/3/2025 19:41  | 7/3/2025 20:06  |
| 610         | 7/4/2025  | T-20            | 7/4/2025 19:42  | 7/4/2025 20:07  |
| 610         | 7/5/2025  | T-20            | 7/5/2025 19:41  | 7/5/2025 20:07  |
| 610         | 7/6/2025  | T-20            | 7/6/2025 19:41  | 7/6/2025 20:08  |
| 610         | 7/7/2025  | T-20            | 7/7/2025 19:40  | 7/7/2025 20:07  |
| 610         | 7/8/2025  | T-20            | 7/8/2025 19:40  | 7/8/2025 20:08  |
| 610         | 7/9/2025  | T-20            | 7/9/2025 19:40  | 7/9/2025 20:09  |
| 610         | 7/10/2025 | T-20            | 7/10/2025 19:39 | 7/10/2025 20:09 |
| 610         | 7/11/2025 | T-20            | 7/11/2025 19:39 | 7/11/2025 20:10 |
| 610         | 7/12/2025 | T-20            | 7/12/2025 19:40 | 7/12/2025 20:11 |
| 610         | 7/13/2025 | T-20            | 7/13/2025 19:40 | 7/13/2025 20:11 |
| 610         | 7/14/2025 | T-20            | 7/14/2025 19:39 | 7/14/2025 20:11 |
| 610         | 7/15/2025 | T-20            | 7/15/2025 19:39 | 7/15/2025 20:12 |
| 610         | 7/16/2025 | T-20            | 7/16/2025 19:39 | 7/16/2025 20:12 |
| 610         | 7/17/2025 | T-20            | 7/17/2025 19:39 | 7/17/2025 20:13 |
| 610         | 7/18/2025 | T-20            | 7/18/2025 19:39 | 7/18/2025 20:13 |
| 610         | 7/19/2025 | T-20            | 7/19/2025 19:38 | 7/19/2025 20:13 |
| 610         | 7/20/2025 | T-20            | 7/20/2025 19:38 | 7/20/2025 20:13 |
| 610         | 7/21/2025 | T-20            | 7/21/2025 19:38 | 7/21/2025 20:14 |
| 610         | 7/22/2025 | T-20            | 7/22/2025 19:38 | 7/22/2025 20:13 |
| 610         | 7/23/2025 | T-20            | 7/23/2025 19:38 | 7/23/2025 20:12 |
| 610         | 7/24/2025 | T-20            | 7/24/2025 19:38 | 7/24/2025 20:12 |
| 610         | 7/25/2025 | T-20            | 7/25/2025 19:38 | 7/25/2025 20:11 |
| 610         | 7/26/2025 | T-20            | 7/26/2025 19:38 | 7/26/2025 20:10 |
| 610         | 7/27/2025 | T-20            | 7/27/2025 19:38 | 7/27/2025 20:09 |
| 610         | 7/28/2025 | T-20            | 7/28/2025 19:39 | 7/28/2025 20:08 |
| 610         | 7/29/2025 | T-20            | 7/29/2025 19:39 | 7/29/2025 20:07 |
| 610         | 7/30/2025 | T-20            | 7/30/2025 19:39 | 7/30/2025 20:06 |
| 610         | 7/31/2025 | T-20            | 7/31/2025 19:39 | 7/31/2025 20:05 |
| 610         | 8/1/2025  | T-20            | 8/1/2025 19:40  | 8/1/2025 20:04  |
| 610         | 8/2/2025  | T-20            | 8/2/2025 19:40  | 8/2/2025 20:03  |
| 610         | 8/3/2025  | T-20            | 8/3/2025 19:41  | 8/3/2025 20:02  |
| 610         | 8/4/2025  | T-20            | 8/4/2025 19:42  | 8/4/2025 20:01  |
| 610         | 8/5/2025  | T-20            | 8/5/2025 19:42  | 8/5/2025 20:00  |
| 610         | 8/6/2025  | T-20            | 8/6/2025 19:43  | 8/6/2025 19:59  |
| 610         | 8/7/2025  | T-20            | 8/7/2025 19:44  | 8/7/2025 19:58  |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 610         | 8/8/2025   | T-20            | 8/8/2025 19:46   | 8/8/2025 19:56   |
| 610         | 8/9/2025   | T-20            | 8/9/2025 19:48   | 8/9/2025 19:55   |
| 610         | 8/10/2025  | T-20            | 8/10/2025 19:51  | 8/10/2025 19:54  |
| 610         | 9/7/2025   | T-19            | 9/7/2025 17:43   | 9/7/2025 18:00   |
| 610         | 9/8/2025   | T-19            | 9/8/2025 17:38   | 9/8/2025 18:04   |
| 610         | 9/9/2025   | T-19            | 9/9/2025 17:35   | 9/9/2025 18:07   |
| 610         | 9/10/2025  | T-19            | 9/10/2025 17:32  | 9/10/2025 18:09  |
| 610         | 9/11/2025  | T-19            | 9/11/2025 17:29  | 9/11/2025 18:10  |
| 610         | 9/12/2025  | T-19            | 9/12/2025 17:28  | 9/12/2025 18:13  |
| 610         | 9/13/2025  | T-19            | 9/13/2025 17:26  | 9/13/2025 18:14  |
| 610         | 9/14/2025  | T-19            | 9/14/2025 17:24  | 9/14/2025 18:15  |
| 610         | 9/15/2025  | T-19            | 9/15/2025 17:22  | 9/15/2025 18:16  |
| 610         | 9/16/2025  | T-19            | 9/16/2025 17:20  | 9/16/2025 18:16  |
| 610         | 9/17/2025  | T-19            | 9/17/2025 17:19  | 9/17/2025 18:17  |
| 610         | 9/18/2025  | T-19            | 9/18/2025 17:17  | 9/18/2025 18:17  |
| 610         | 9/19/2025  | T-19            | 9/19/2025 17:16  | 9/19/2025 18:18  |
| 610         | 9/20/2025  | T-19            | 9/20/2025 17:15  | 9/20/2025 18:18  |
| 610         | 9/21/2025  | T-19            | 9/21/2025 17:13  | 9/21/2025 18:18  |
| 610         | 9/22/2025  | T-19            | 9/22/2025 17:12  | 9/22/2025 18:18  |
| 610         | 9/23/2025  | T-19            | 9/23/2025 17:11  | 9/23/2025 18:18  |
| 610         | 9/24/2025  | T-19            | 9/24/2025 17:10  | 9/24/2025 18:18  |
| 610         | 9/25/2025  | T-19            | 9/25/2025 17:09  | 9/25/2025 18:18  |
| 610         | 9/26/2025  | T-19            | 9/26/2025 17:09  | 9/26/2025 18:18  |
| 610         | 9/27/2025  | T-19            | 9/27/2025 17:08  | 9/27/2025 18:18  |
| 610         | 9/28/2025  | T-19            | 9/28/2025 17:08  | 9/28/2025 18:18  |
| 610         | 9/29/2025  | T-19            | 9/29/2025 17:08  | 9/29/2025 18:18  |
| 610         | 9/30/2025  | T-19            | 9/30/2025 17:07  | 9/30/2025 18:17  |
| 610         | 10/1/2025  | T-21            | 10/1/2025 17:59  | 10/1/2025 18:10  |
| 610         | 10/1/2025  | T-19            | 10/1/2025 17:07  | 10/1/2025 18:17  |
| 610         | 10/2/2025  | T-21            | 10/2/2025 17:55  | 10/2/2025 18:12  |
| 610         | 10/2/2025  | T-19            | 10/2/2025 17:06  | 10/2/2025 18:16  |
| 610         | 10/3/2025  | T-21            | 10/3/2025 17:53  | 10/3/2025 18:14  |
| 610         | 10/3/2025  | T-19            | 10/3/2025 17:06  | 10/3/2025 18:16  |
| 610         | 10/4/2025  | T-21            | 10/4/2025 17:51  | 10/4/2025 18:15  |
| 610         | 10/4/2025  | T-19            | 10/4/2025 17:06  | 10/4/2025 18:15  |
| 610         | 10/5/2025  | T-21            | 10/5/2025 17:49  | 10/5/2025 18:16  |
| 610         | 10/5/2025  | T-19            | 10/5/2025 17:06  | 10/5/2025 18:14  |
| 610         | 10/6/2025  | T-21            | 10/6/2025 17:49  | 10/6/2025 18:17  |
| 610         | 10/6/2025  | T-19            | 10/6/2025 17:07  | 10/6/2025 18:14  |
| 610         | 10/7/2025  | T-21            | 10/7/2025 17:47  | 10/7/2025 18:17  |
| 610         | 10/7/2025  | T-19            | 10/7/2025 17:07  | 10/7/2025 18:13  |
| 610         | 10/8/2025  | T-21            | 10/8/2025 17:46  | 10/8/2025 18:15  |
| 610         | 10/8/2025  | T-19            | 10/8/2025 17:07  | 10/8/2025 18:12  |
| 610         | 10/9/2025  | T-21            | 10/9/2025 17:46  | 10/9/2025 18:13  |
| 610         | 10/9/2025  | T-19            | 10/9/2025 17:07  | 10/9/2025 18:11  |
| 610         | 10/10/2025 | T-21            | 10/10/2025 17:45 | 10/10/2025 18:11 |
| 610         | 10/10/2025 | T-19            | 10/10/2025 17:07 | 10/10/2025 18:10 |
| 610         | 10/11/2025 | T-21            | 10/11/2025 17:44 | 10/11/2025 18:09 |
| 610         | 10/11/2025 | T-19            | 10/11/2025 17:08 | 10/11/2025 18:08 |
| 610         | 10/12/2025 | T-21            | 10/12/2025 17:45 | 10/12/2025 18:08 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 610         | 10/12/2025 | T-19            | 10/12/2025 17:09 | 10/12/2025 18:08 |
| 610         | 10/13/2025 | T-21            | 10/13/2025 17:45 | 10/13/2025 18:06 |
| 610         | 10/13/2025 | T-19            | 10/13/2025 17:10 | 10/13/2025 18:06 |
| 610         | 10/14/2025 | T-21            | 10/14/2025 17:44 | 10/14/2025 18:04 |
| 610         | 10/14/2025 | T-19            | 10/14/2025 17:11 | 10/14/2025 18:04 |
| 610         | 10/15/2025 | T-21            | 10/15/2025 17:45 | 10/15/2025 18:02 |
| 610         | 10/15/2025 | T-19            | 10/15/2025 17:11 | 10/15/2025 18:02 |
| 610         | 10/16/2025 | T-21            | 10/16/2025 17:45 | 10/16/2025 18:00 |
| 610         | 10/16/2025 | T-19            | 10/16/2025 17:13 | 10/16/2025 18:00 |
| 610         | 10/17/2025 | T-21            | 10/17/2025 17:46 | 10/17/2025 18:00 |
| 610         | 10/17/2025 | T-19            | 10/17/2025 17:15 | 10/17/2025 18:00 |
| 610         | 10/18/2025 | T-21            | 10/18/2025 17:47 | 10/18/2025 17:58 |
| 610         | 10/18/2025 | T-19            | 10/18/2025 17:16 | 10/18/2025 17:57 |
| 610         | 10/19/2025 | T-21            | 10/19/2025 17:48 | 10/19/2025 17:56 |
| 610         | 10/19/2025 | T-19            | 10/19/2025 17:18 | 10/19/2025 17:55 |
| 610         | 10/20/2025 | T-21            | 10/20/2025 17:49 | 10/20/2025 17:54 |
| 610         | 10/20/2025 | T-19            | 10/20/2025 17:20 | 10/20/2025 17:51 |
| 610         | 10/21/2025 | T-21            | 10/21/2025 17:52 | 10/21/2025 17:53 |
| 610         | 10/21/2025 | T-19            | 10/21/2025 17:24 | 10/21/2025 17:49 |
| 610         | 10/22/2025 | T-19            | 10/22/2025 17:29 | 10/22/2025 17:43 |
| 785         | 2/24/2025  | T-3             | 2/24/2025 7:18   | 2/24/2025 7:30   |
| 785         | 2/25/2025  | T-3             | 2/25/2025 7:16   | 2/25/2025 7:34   |
| 785         | 2/26/2025  | T-3             | 2/26/2025 7:13   | 2/26/2025 7:36   |
| 785         | 2/27/2025  | T-3             | 2/27/2025 7:11   | 2/27/2025 7:37   |
| 785         | 2/28/2025  | T-3             | 2/28/2025 7:10   | 2/28/2025 7:39   |
| 785         | 3/1/2025   | T-3             | 3/1/2025 7:08    | 3/1/2025 7:39    |
| 785         | 3/2/2025   | T-3             | 3/2/2025 7:07    | 3/2/2025 7:39    |
| 785         | 3/3/2025   | T-3             | 3/3/2025 7:07    | 3/3/2025 7:41    |
| 785         | 3/4/2025   | T-3             | 3/4/2025 7:06    | 3/4/2025 7:41    |
| 785         | 3/5/2025   | T-3             | 3/5/2025 7:05    | 3/5/2025 7:40    |
| 785         | 3/6/2025   | T-3             | 3/6/2025 7:05    | 3/6/2025 7:41    |
| 785         | 3/7/2025   | T-3             | 3/7/2025 7:04    | 3/7/2025 7:41    |
| 785         | 3/8/2025   | T-3             | 3/8/2025 7:04    | 3/8/2025 7:40    |
| 785         | 3/9/2025   | T-3             | 3/9/2025 8:04    | 3/9/2025 8:40    |
| 785         | 3/10/2025  | T-3             | 3/10/2025 8:04   | 3/10/2025 8:39   |
| 785         | 3/11/2025  | T-3             | 3/11/2025 8:04   | 3/11/2025 8:38   |
| 785         | 3/11/2025  | T-1             | 3/11/2025 18:29  | 3/11/2025 18:45  |
| 785         | 3/12/2025  | T-3             | 3/12/2025 8:04   | 3/12/2025 8:37   |
| 785         | 3/12/2025  | T-1             | 3/12/2025 18:24  | 3/12/2025 18:46  |
| 785         | 3/13/2025  | T-3             | 3/13/2025 8:06   | 3/13/2025 8:37   |
| 785         | 3/13/2025  | T-1             | 3/13/2025 18:21  | 3/13/2025 18:48  |
| 785         | 3/14/2025  | T-3             | 3/14/2025 8:06   | 3/14/2025 8:35   |
| 785         | 3/14/2025  | T-1             | 3/14/2025 18:18  | 3/14/2025 18:49  |
| 785         | 3/15/2025  | T-3             | 3/15/2025 8:07   | 3/15/2025 8:33   |
| 785         | 3/15/2025  | T-1             | 3/15/2025 18:15  | 3/15/2025 18:50  |
| 785         | 3/16/2025  | T-3             | 3/16/2025 8:08   | 3/16/2025 8:31   |
| 785         | 3/16/2025  | T-1             | 3/16/2025 18:13  | 3/16/2025 18:51  |
| 785         | 3/17/2025  | T-3             | 3/17/2025 8:11   | 3/17/2025 8:29   |
| 785         | 3/17/2025  | T-1             | 3/17/2025 18:12  | 3/17/2025 18:53  |
| 785         | 3/18/2025  | T-3             | 3/18/2025 8:13   | 3/18/2025 8:25   |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 785         | 3/18/2025 | T-1             | 3/18/2025 18:10 | 3/18/2025 18:54 |
| 785         | 3/19/2025 | T-1             | 3/19/2025 18:08 | 3/19/2025 18:55 |
| 785         | 3/20/2025 | T-1             | 3/20/2025 18:06 | 3/20/2025 18:56 |
| 785         | 3/21/2025 | T-1             | 3/21/2025 18:06 | 3/21/2025 18:58 |
| 785         | 3/22/2025 | T-1             | 3/22/2025 18:04 | 3/22/2025 18:59 |
| 785         | 3/23/2025 | T-1             | 3/23/2025 18:03 | 3/23/2025 18:59 |
| 785         | 3/24/2025 | T-1             | 3/24/2025 18:02 | 3/24/2025 19:00 |
| 785         | 3/25/2025 | T-1             | 3/25/2025 18:01 | 3/25/2025 19:01 |
| 785         | 3/26/2025 | T-1             | 3/26/2025 18:01 | 3/26/2025 19:03 |
| 785         | 3/27/2025 | T-1             | 3/27/2025 18:00 | 3/27/2025 19:04 |
| 785         | 3/28/2025 | T-1             | 3/28/2025 17:59 | 3/28/2025 19:05 |
| 785         | 3/29/2025 | T-1             | 3/29/2025 17:58 | 3/29/2025 19:05 |
| 785         | 3/30/2025 | T-1             | 3/30/2025 17:59 | 3/30/2025 19:06 |
| 785         | 3/31/2025 | T-1             | 3/31/2025 17:58 | 3/31/2025 19:05 |
| 785         | 4/1/2025  | T-1             | 4/1/2025 17:58  | 4/1/2025 19:05  |
| 785         | 4/2/2025  | T-1             | 4/2/2025 17:57  | 4/2/2025 19:04  |
| 785         | 4/3/2025  | T-1             | 4/3/2025 17:58  | 4/3/2025 19:04  |
| 785         | 4/4/2025  | T-1             | 4/4/2025 17:58  | 4/4/2025 19:04  |
| 785         | 4/5/2025  | T-1             | 4/5/2025 17:57  | 4/5/2025 19:03  |
| 785         | 4/6/2025  | T-1             | 4/6/2025 17:57  | 4/6/2025 19:02  |
| 785         | 4/7/2025  | T-1             | 4/7/2025 17:58  | 4/7/2025 19:02  |
| 785         | 4/8/2025  | T-1             | 4/8/2025 17:58  | 4/8/2025 19:01  |
| 785         | 4/9/2025  | T-1             | 4/9/2025 17:58  | 4/9/2025 19:00  |
| 785         | 4/10/2025 | T-1             | 4/10/2025 17:59 | 4/10/2025 19:00 |
| 785         | 4/11/2025 | T-1             | 4/11/2025 17:59 | 4/11/2025 18:58 |
| 785         | 4/12/2025 | T-1             | 4/12/2025 18:00 | 4/12/2025 18:57 |
| 785         | 4/13/2025 | T-1             | 4/13/2025 18:01 | 4/13/2025 18:56 |
| 785         | 4/14/2025 | T-1             | 4/14/2025 18:02 | 4/14/2025 18:55 |
| 785         | 4/15/2025 | T-1             | 4/15/2025 18:02 | 4/15/2025 18:53 |
| 785         | 4/16/2025 | T-1             | 4/16/2025 18:04 | 4/16/2025 18:52 |
| 785         | 4/17/2025 | T-1             | 4/17/2025 18:05 | 4/17/2025 18:50 |
| 785         | 4/18/2025 | T-1             | 4/18/2025 18:07 | 4/18/2025 18:49 |
| 785         | 4/19/2025 | T-1             | 4/19/2025 18:08 | 4/19/2025 18:46 |
| 785         | 4/20/2025 | T-1             | 4/20/2025 18:10 | 4/20/2025 18:45 |
| 785         | 4/21/2025 | T-1             | 4/21/2025 18:12 | 4/21/2025 18:42 |
| 785         | 4/22/2025 | T-1             | 4/22/2025 18:15 | 4/22/2025 18:39 |
| 785         | 4/23/2025 | T-1             | 4/23/2025 18:19 | 4/23/2025 18:34 |
| 785         | 4/23/2025 | T-2             | 4/23/2025 6:50  | 4/23/2025 7:00  |
| 785         | 4/24/2025 | T-2             | 4/24/2025 6:45  | 4/24/2025 7:04  |
| 785         | 4/25/2025 | T-2             | 4/25/2025 6:42  | 4/25/2025 7:06  |
| 785         | 4/26/2025 | T-2             | 4/26/2025 6:40  | 4/26/2025 7:09  |
| 785         | 4/27/2025 | T-2             | 4/27/2025 6:38  | 4/27/2025 7:10  |
| 785         | 4/28/2025 | T-2             | 4/28/2025 6:36  | 4/28/2025 7:12  |
| 785         | 4/29/2025 | T-2             | 4/29/2025 6:34  | 4/29/2025 7:12  |
| 785         | 4/30/2025 | T-2             | 4/30/2025 6:33  | 4/30/2025 7:13  |
| 785         | 5/1/2025  | T-2             | 5/1/2025 6:33   | 5/1/2025 7:14   |
| 785         | 5/2/2025  | T-2             | 5/2/2025 6:31   | 5/2/2025 7:14   |
| 785         | 5/3/2025  | T-2             | 5/3/2025 6:31   | 5/3/2025 7:15   |
| 785         | 5/4/2025  | T-2             | 5/4/2025 6:30   | 5/4/2025 7:16   |
| 785         | 5/5/2025  | T-2             | 5/5/2025 6:30   | 5/5/2025 7:17   |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 785         | 5/6/2025  | T-2             | 5/6/2025 6:28  | 5/6/2025 7:16  |
| 785         | 5/7/2025  | T-2             | 5/7/2025 6:28  | 5/7/2025 7:17  |
| 785         | 5/8/2025  | T-2             | 5/8/2025 6:28  | 5/8/2025 7:17  |
| 785         | 5/9/2025  | T-2             | 5/9/2025 6:28  | 5/9/2025 7:17  |
| 785         | 5/10/2025 | T-2             | 5/10/2025 6:28 | 5/10/2025 7:17 |
| 785         | 5/11/2025 | T-2             | 5/11/2025 6:28 | 5/11/2025 7:18 |
| 785         | 5/12/2025 | T-2             | 5/12/2025 6:27 | 5/12/2025 7:17 |
| 785         | 5/13/2025 | T-2             | 5/13/2025 6:27 | 5/13/2025 7:17 |
| 785         | 5/14/2025 | T-2             | 5/14/2025 6:27 | 5/14/2025 7:17 |
| 785         | 5/15/2025 | T-2             | 5/15/2025 6:27 | 5/15/2025 7:17 |
| 785         | 5/16/2025 | T-2             | 5/16/2025 6:27 | 5/16/2025 7:16 |
| 785         | 5/17/2025 | T-2             | 5/17/2025 6:27 | 5/17/2025 7:16 |
| 785         | 5/18/2025 | T-2             | 5/18/2025 6:28 | 5/18/2025 7:17 |
| 785         | 5/19/2025 | T-2             | 5/19/2025 6:28 | 5/19/2025 7:17 |
| 785         | 5/20/2025 | T-2             | 5/20/2025 6:28 | 5/20/2025 7:16 |
| 785         | 5/21/2025 | T-2             | 5/21/2025 6:28 | 5/21/2025 7:16 |
| 785         | 5/22/2025 | T-2             | 5/22/2025 6:28 | 5/22/2025 7:15 |
| 785         | 5/23/2025 | T-2             | 5/23/2025 6:28 | 5/23/2025 7:15 |
| 785         | 5/24/2025 | T-2             | 5/24/2025 6:30 | 5/24/2025 7:15 |
| 785         | 5/25/2025 | T-2             | 5/25/2025 6:30 | 5/25/2025 7:15 |
| 785         | 5/26/2025 | T-2             | 5/26/2025 6:30 | 5/26/2025 7:14 |
| 785         | 5/27/2025 | T-2             | 5/27/2025 6:31 | 5/27/2025 7:14 |
| 785         | 5/28/2025 | T-2             | 5/28/2025 6:31 | 5/28/2025 7:14 |
| 785         | 5/29/2025 | T-2             | 5/29/2025 6:32 | 5/29/2025 7:14 |
| 785         | 5/30/2025 | T-2             | 5/30/2025 6:32 | 5/30/2025 7:13 |
| 785         | 5/31/2025 | T-2             | 5/31/2025 6:33 | 5/31/2025 7:13 |
| 785         | 6/1/2025  | T-2             | 6/1/2025 6:33  | 6/1/2025 7:12  |
| 785         | 6/2/2025  | T-2             | 6/2/2025 6:35  | 6/2/2025 7:12  |
| 785         | 6/3/2025  | T-2             | 6/3/2025 6:35  | 6/3/2025 7:12  |
| 785         | 6/4/2025  | T-2             | 6/4/2025 6:36  | 6/4/2025 7:12  |
| 785         | 6/5/2025  | T-2             | 6/5/2025 6:36  | 6/5/2025 7:11  |
| 785         | 6/6/2025  | T-2             | 6/6/2025 6:36  | 6/6/2025 7:11  |
| 785         | 6/7/2025  | T-2             | 6/7/2025 6:37  | 6/7/2025 7:11  |
| 785         | 6/8/2025  | T-2             | 6/8/2025 6:38  | 6/8/2025 7:11  |
| 785         | 6/9/2025  | T-2             | 6/9/2025 6:38  | 6/9/2025 7:09  |
| 785         | 6/10/2025 | T-2             | 6/10/2025 6:39 | 6/10/2025 7:09 |
| 785         | 6/11/2025 | T-2             | 6/11/2025 6:40 | 6/11/2025 7:09 |
| 785         | 6/12/2025 | T-2             | 6/12/2025 6:40 | 6/12/2025 7:09 |
| 785         | 6/13/2025 | T-2             | 6/13/2025 6:41 | 6/13/2025 7:09 |
| 785         | 6/14/2025 | T-2             | 6/14/2025 6:41 | 6/14/2025 7:09 |
| 785         | 6/15/2025 | T-2             | 6/15/2025 6:42 | 6/15/2025 7:09 |
| 785         | 6/16/2025 | T-2             | 6/16/2025 6:42 | 6/16/2025 7:09 |
| 785         | 6/17/2025 | T-2             | 6/17/2025 6:43 | 6/17/2025 7:09 |
| 785         | 6/18/2025 | T-2             | 6/18/2025 6:43 | 6/18/2025 7:09 |
| 785         | 6/19/2025 | T-2             | 6/19/2025 6:43 | 6/19/2025 7:09 |
| 785         | 6/20/2025 | T-2             | 6/20/2025 6:44 | 6/20/2025 7:09 |
| 785         | 6/21/2025 | T-2             | 6/21/2025 6:45 | 6/21/2025 7:10 |
| 785         | 6/22/2025 | T-2             | 6/22/2025 6:45 | 6/22/2025 7:10 |
| 785         | 6/23/2025 | T-2             | 6/23/2025 6:45 | 6/23/2025 7:10 |
| 785         | 6/24/2025 | T-2             | 6/24/2025 6:44 | 6/24/2025 7:10 |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 785         | 6/25/2025 | T-2             | 6/25/2025 6:45 | 6/25/2025 7:11 |
| 785         | 6/26/2025 | T-2             | 6/26/2025 6:45 | 6/26/2025 7:11 |
| 785         | 6/27/2025 | T-2             | 6/27/2025 6:44 | 6/27/2025 7:11 |
| 785         | 6/28/2025 | T-2             | 6/28/2025 6:45 | 6/28/2025 7:12 |
| 785         | 6/29/2025 | T-2             | 6/29/2025 6:44 | 6/29/2025 7:12 |
| 785         | 6/30/2025 | T-2             | 6/30/2025 6:45 | 6/30/2025 7:13 |
| 785         | 7/1/2025  | T-2             | 7/1/2025 6:44  | 7/1/2025 7:13  |
| 785         | 7/2/2025  | T-2             | 7/2/2025 6:45  | 7/2/2025 7:14  |
| 785         | 7/3/2025  | T-2             | 7/3/2025 6:44  | 7/3/2025 7:14  |
| 785         | 7/4/2025  | T-2             | 7/4/2025 6:44  | 7/4/2025 7:15  |
| 785         | 7/5/2025  | T-2             | 7/5/2025 6:43  | 7/5/2025 7:16  |
| 785         | 7/6/2025  | T-2             | 7/6/2025 6:43  | 7/6/2025 7:17  |
| 785         | 7/7/2025  | T-2             | 7/7/2025 6:43  | 7/7/2025 7:18  |
| 785         | 7/8/2025  | T-2             | 7/8/2025 6:42  | 7/8/2025 7:18  |
| 785         | 7/9/2025  | T-2             | 7/9/2025 6:43  | 7/9/2025 7:19  |
| 785         | 7/10/2025 | T-2             | 7/10/2025 6:43 | 7/10/2025 7:20 |
| 785         | 7/11/2025 | T-2             | 7/11/2025 6:42 | 7/11/2025 7:19 |
| 785         | 7/12/2025 | T-2             | 7/12/2025 6:41 | 7/12/2025 7:20 |
| 785         | 7/13/2025 | T-2             | 7/13/2025 6:41 | 7/13/2025 7:21 |
| 785         | 7/14/2025 | T-2             | 7/14/2025 6:41 | 7/14/2025 7:22 |
| 785         | 7/15/2025 | T-2             | 7/15/2025 6:40 | 7/15/2025 7:22 |
| 785         | 7/16/2025 | T-2             | 7/16/2025 6:40 | 7/16/2025 7:23 |
| 785         | 7/17/2025 | T-2             | 7/17/2025 6:40 | 7/17/2025 7:23 |
| 785         | 7/18/2025 | T-2             | 7/18/2025 6:40 | 7/18/2025 7:24 |
| 785         | 7/19/2025 | T-2             | 7/19/2025 6:40 | 7/19/2025 7:25 |
| 785         | 7/20/2025 | T-2             | 7/20/2025 6:39 | 7/20/2025 7:24 |
| 785         | 7/21/2025 | T-2             | 7/21/2025 6:39 | 7/21/2025 7:25 |
| 785         | 7/22/2025 | T-2             | 7/22/2025 6:38 | 7/22/2025 7:25 |
| 785         | 7/23/2025 | T-2             | 7/23/2025 6:38 | 7/23/2025 7:26 |
| 785         | 7/24/2025 | T-2             | 7/24/2025 6:38 | 7/24/2025 7:26 |
| 785         | 7/25/2025 | T-2             | 7/25/2025 6:38 | 7/25/2025 7:27 |
| 785         | 7/26/2025 | T-2             | 7/26/2025 6:38 | 7/26/2025 7:27 |
| 785         | 7/27/2025 | T-2             | 7/27/2025 6:38 | 7/27/2025 7:27 |
| 785         | 7/28/2025 | T-2             | 7/28/2025 6:38 | 7/28/2025 7:28 |
| 785         | 7/29/2025 | T-2             | 7/29/2025 6:38 | 7/29/2025 7:28 |
| 785         | 7/30/2025 | T-2             | 7/30/2025 6:38 | 7/30/2025 7:28 |
| 785         | 7/31/2025 | T-2             | 7/31/2025 6:38 | 7/31/2025 7:28 |
| 785         | 8/1/2025  | T-2             | 8/1/2025 6:38  | 8/1/2025 7:28  |
| 785         | 8/2/2025  | T-2             | 8/2/2025 6:38  | 8/2/2025 7:28  |
| 785         | 8/3/2025  | T-2             | 8/3/2025 6:38  | 8/3/2025 7:28  |
| 785         | 8/4/2025  | T-2             | 8/4/2025 6:38  | 8/4/2025 7:27  |
| 785         | 8/5/2025  | T-2             | 8/5/2025 6:38  | 8/5/2025 7:27  |
| 785         | 8/6/2025  | T-2             | 8/6/2025 6:38  | 8/6/2025 7:27  |
| 785         | 8/7/2025  | T-2             | 8/7/2025 6:39  | 8/7/2025 7:26  |
| 785         | 8/8/2025  | T-2             | 8/8/2025 6:39  | 8/8/2025 7:26  |
| 785         | 8/9/2025  | T-2             | 8/9/2025 6:39  | 8/9/2025 7:25  |
| 785         | 8/10/2025 | T-2             | 8/10/2025 6:40 | 8/10/2025 7:25 |
| 785         | 8/11/2025 | T-2             | 8/11/2025 6:40 | 8/11/2025 7:24 |
| 785         | 8/12/2025 | T-2             | 8/12/2025 6:41 | 8/12/2025 7:23 |
| 785         | 8/13/2025 | T-2             | 8/13/2025 6:41 | 8/13/2025 7:22 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 785         | 8/14/2025 | T-2             | 8/14/2025 6:42  | 8/14/2025 7:21  |
| 785         | 8/15/2025 | T-2             | 8/15/2025 6:43  | 8/15/2025 7:19  |
| 785         | 8/16/2025 | T-2             | 8/16/2025 6:44  | 8/16/2025 7:18  |
| 785         | 8/17/2025 | T-2             | 8/17/2025 6:46  | 8/17/2025 7:16  |
| 785         | 8/18/2025 | T-2             | 8/18/2025 6:47  | 8/18/2025 7:14  |
| 785         | 8/19/2025 | T-2             | 8/19/2025 6:50  | 8/19/2025 7:11  |
| 785         | 8/20/2025 | T-1             | 8/20/2025 18:26 | 8/20/2025 18:38 |
| 785         | 8/20/2025 | T-2             | 8/20/2025 6:53  | 8/20/2025 7:07  |
| 785         | 8/21/2025 | T-1             | 8/21/2025 18:21 | 8/21/2025 18:42 |
| 785         | 8/22/2025 | T-1             | 8/22/2025 18:18 | 8/22/2025 18:45 |
| 785         | 8/23/2025 | T-1             | 8/23/2025 18:15 | 8/23/2025 18:47 |
| 785         | 8/24/2025 | T-1             | 8/24/2025 18:12 | 8/24/2025 18:49 |
| 785         | 8/25/2025 | T-1             | 8/25/2025 18:10 | 8/25/2025 18:51 |
| 785         | 8/26/2025 | T-1             | 8/26/2025 18:08 | 8/26/2025 18:52 |
| 785         | 8/27/2025 | T-1             | 8/27/2025 18:06 | 8/27/2025 18:53 |
| 785         | 8/28/2025 | T-1             | 8/28/2025 18:04 | 8/28/2025 18:54 |
| 785         | 8/29/2025 | T-1             | 8/29/2025 18:03 | 8/29/2025 18:55 |
| 785         | 8/30/2025 | T-1             | 8/30/2025 18:01 | 8/30/2025 18:55 |
| 785         | 8/31/2025 | T-1             | 8/31/2025 18:00 | 8/31/2025 18:56 |
| 785         | 9/1/2025  | T-1             | 9/1/2025 17:59  | 9/1/2025 18:57  |
| 785         | 9/2/2025  | T-1             | 9/2/2025 17:57  | 9/2/2025 18:57  |
| 785         | 9/3/2025  | T-1             | 9/3/2025 17:56  | 9/3/2025 18:57  |
| 785         | 9/4/2025  | T-1             | 9/4/2025 17:55  | 9/4/2025 18:57  |
| 785         | 9/5/2025  | T-1             | 9/5/2025 17:55  | 9/5/2025 18:59  |
| 785         | 9/6/2025  | T-1             | 9/6/2025 17:54  | 9/6/2025 18:59  |
| 785         | 9/7/2025  | T-1             | 9/7/2025 17:53  | 9/7/2025 18:59  |
| 785         | 9/8/2025  | T-1             | 9/8/2025 17:53  | 9/8/2025 18:58  |
| 785         | 9/9/2025  | T-1             | 9/9/2025 17:52  | 9/9/2025 18:58  |
| 785         | 9/10/2025 | T-1             | 9/10/2025 17:51 | 9/10/2025 18:58 |
| 785         | 9/11/2025 | T-1             | 9/11/2025 17:51 | 9/11/2025 18:58 |
| 785         | 9/12/2025 | T-1             | 9/12/2025 17:50 | 9/12/2025 18:57 |
| 785         | 9/13/2025 | T-1             | 9/13/2025 17:50 | 9/13/2025 18:57 |
| 785         | 9/14/2025 | T-1             | 9/14/2025 17:49 | 9/14/2025 18:56 |
| 785         | 9/15/2025 | T-1             | 9/15/2025 17:49 | 9/15/2025 18:56 |
| 785         | 9/16/2025 | T-1             | 9/16/2025 17:49 | 9/16/2025 18:54 |
| 785         | 9/17/2025 | T-1             | 9/17/2025 17:49 | 9/17/2025 18:52 |
| 785         | 9/18/2025 | T-1             | 9/18/2025 17:49 | 9/18/2025 18:51 |
| 785         | 9/19/2025 | T-1             | 9/19/2025 17:49 | 9/19/2025 18:49 |
| 785         | 9/20/2025 | T-1             | 9/20/2025 17:49 | 9/20/2025 18:47 |
| 785         | 9/21/2025 | T-1             | 9/21/2025 17:49 | 9/21/2025 18:45 |
| 785         | 9/22/2025 | T-1             | 9/22/2025 17:49 | 9/22/2025 18:43 |
| 785         | 9/23/2025 | T-1             | 9/23/2025 17:50 | 9/23/2025 18:41 |
| 785         | 9/24/2025 | T-1             | 9/24/2025 17:50 | 9/24/2025 18:39 |
| 785         | 9/25/2025 | T-1             | 9/25/2025 17:51 | 9/25/2025 18:37 |
| 785         | 9/26/2025 | T-3             | 9/26/2025 7:56  | 9/26/2025 8:09  |
| 785         | 9/26/2025 | T-1             | 9/26/2025 17:53 | 9/26/2025 18:36 |
| 785         | 9/27/2025 | T-3             | 9/27/2025 7:52  | 9/27/2025 8:11  |
| 785         | 9/27/2025 | T-1             | 9/27/2025 17:54 | 9/27/2025 18:35 |
| 785         | 9/28/2025 | T-3             | 9/28/2025 7:50  | 9/28/2025 8:13  |
| 785         | 9/28/2025 | T-1             | 9/28/2025 17:55 | 9/28/2025 18:33 |

| Receptor ID | Date       | Wind Turbine ID | From            | To              |
|-------------|------------|-----------------|-----------------|-----------------|
| 785         | 9/29/2025  | T-3             | 9/29/2025 7:48  | 9/29/2025 8:14  |
| 785         | 9/29/2025  | T-1             | 9/29/2025 17:56 | 9/29/2025 18:31 |
| 785         | 9/30/2025  | T-3             | 9/30/2025 7:46  | 9/30/2025 8:15  |
| 785         | 9/30/2025  | T-1             | 9/30/2025 17:58 | 9/30/2025 18:29 |
| 785         | 10/1/2025  | T-3             | 10/1/2025 7:44  | 10/1/2025 8:16  |
| 785         | 10/1/2025  | T-1             | 10/1/2025 18:00 | 10/1/2025 18:27 |
| 785         | 10/2/2025  | T-3             | 10/2/2025 7:43  | 10/2/2025 8:16  |
| 785         | 10/2/2025  | T-1             | 10/2/2025 18:03 | 10/2/2025 18:25 |
| 785         | 10/3/2025  | T-3             | 10/3/2025 7:42  | 10/3/2025 8:16  |
| 785         | 10/3/2025  | T-1             | 10/3/2025 18:07 | 10/3/2025 18:23 |
| 785         | 10/4/2025  | T-3             | 10/4/2025 7:41  | 10/4/2025 8:16  |
| 785         | 10/5/2025  | T-3             | 10/5/2025 7:41  | 10/5/2025 8:17  |
| 785         | 10/6/2025  | T-3             | 10/6/2025 7:41  | 10/6/2025 8:17  |
| 785         | 10/7/2025  | T-3             | 10/7/2025 7:40  | 10/7/2025 8:17  |
| 785         | 10/8/2025  | T-3             | 10/8/2025 7:40  | 10/8/2025 8:16  |
| 785         | 10/9/2025  | T-3             | 10/9/2025 7:40  | 10/9/2025 8:15  |
| 785         | 10/10/2025 | T-3             | 10/10/2025 7:40 | 10/10/2025 8:15 |
| 785         | 10/11/2025 | T-3             | 10/11/2025 7:41 | 10/11/2025 8:15 |
| 785         | 10/12/2025 | T-3             | 10/12/2025 7:41 | 10/12/2025 8:14 |
| 785         | 10/13/2025 | T-3             | 10/13/2025 7:41 | 10/13/2025 8:12 |
| 785         | 10/14/2025 | T-3             | 10/14/2025 7:42 | 10/14/2025 8:11 |
| 785         | 10/15/2025 | T-3             | 10/15/2025 7:44 | 10/15/2025 8:10 |
| 785         | 10/16/2025 | T-3             | 10/16/2025 7:45 | 10/16/2025 8:08 |
| 785         | 10/17/2025 | T-3             | 10/17/2025 7:46 | 10/17/2025 8:06 |
| 785         | 10/18/2025 | T-3             | 10/18/2025 7:49 | 10/18/2025 8:02 |
| 786         | 3/5/2025   | T-3             | 3/5/2025 7:06   | 3/5/2025 7:16   |
| 786         | 3/6/2025   | T-3             | 3/6/2025 7:03   | 3/6/2025 7:21   |
| 786         | 3/7/2025   | T-3             | 3/7/2025 7:00   | 3/7/2025 7:23   |
| 786         | 3/8/2025   | T-3             | 3/8/2025 6:57   | 3/8/2025 7:24   |
| 786         | 3/9/2025   | T-3             | 3/9/2025 7:56   | 3/9/2025 8:26   |
| 786         | 3/10/2025  | T-3             | 3/10/2025 7:55  | 3/10/2025 8:27  |
| 786         | 3/11/2025  | T-3             | 3/11/2025 7:53  | 3/11/2025 8:27  |
| 786         | 3/12/2025  | T-3             | 3/12/2025 7:52  | 3/12/2025 8:27  |
| 786         | 3/13/2025  | T-3             | 3/13/2025 7:52  | 3/13/2025 8:28  |
| 786         | 3/14/2025  | T-3             | 3/14/2025 7:51  | 3/14/2025 8:28  |
| 786         | 3/15/2025  | T-3             | 3/15/2025 7:50  | 3/15/2025 8:28  |
| 786         | 3/16/2025  | T-3             | 3/16/2025 7:49  | 3/16/2025 8:28  |
| 786         | 3/17/2025  | T-3             | 3/17/2025 7:49  | 3/17/2025 8:28  |
| 786         | 3/18/2025  | T-3             | 3/18/2025 7:49  | 3/18/2025 8:28  |
| 786         | 3/19/2025  | T-3             | 3/19/2025 7:48  | 3/19/2025 8:27  |
| 786         | 3/20/2025  | T-3             | 3/20/2025 7:48  | 3/20/2025 8:26  |
| 786         | 3/21/2025  | T-3             | 3/21/2025 7:49  | 3/21/2025 8:26  |
| 786         | 3/22/2025  | T-3             | 3/22/2025 7:49  | 3/22/2025 8:25  |
| 786         | 3/23/2025  | T-3             | 3/23/2025 7:49  | 3/23/2025 8:23  |
| 786         | 3/24/2025  | T-3             | 3/24/2025 7:50  | 3/24/2025 8:22  |
| 786         | 3/25/2025  | T-3             | 3/25/2025 7:50  | 3/25/2025 8:20  |
| 786         | 3/26/2025  | T-3             | 3/26/2025 7:52  | 3/26/2025 8:19  |
| 786         | 3/27/2025  | T-3             | 3/27/2025 7:54  | 3/27/2025 8:17  |
| 786         | 3/28/2025  | T-3             | 3/28/2025 7:55  | 3/28/2025 8:14  |
| 786         | 3/29/2025  | T-3             | 3/29/2025 7:59  | 3/29/2025 8:09  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 786         | 3/29/2025 | T-1             | 3/29/2025 18:53 | 3/29/2025 19:06 |
| 786         | 3/30/2025 | T-1             | 3/30/2025 18:48 | 3/30/2025 19:08 |
| 786         | 3/31/2025 | T-1             | 3/31/2025 18:45 | 3/31/2025 19:09 |
| 786         | 4/1/2025  | T-1             | 4/1/2025 18:42  | 4/1/2025 19:09  |
| 786         | 4/2/2025  | T-1             | 4/2/2025 18:39  | 4/2/2025 19:10  |
| 786         | 4/3/2025  | T-1             | 4/3/2025 18:38  | 4/3/2025 19:12  |
| 786         | 4/4/2025  | T-1             | 4/4/2025 18:36  | 4/4/2025 19:13  |
| 786         | 4/5/2025  | T-1             | 4/5/2025 18:34  | 4/5/2025 19:14  |
| 786         | 4/6/2025  | T-1             | 4/6/2025 18:32  | 4/6/2025 19:15  |
| 786         | 4/7/2025  | T-1             | 4/7/2025 18:32  | 4/7/2025 19:16  |
| 786         | 4/8/2025  | T-1             | 4/8/2025 18:30  | 4/8/2025 19:17  |
| 786         | 4/9/2025  | T-1             | 4/9/2025 18:29  | 4/9/2025 19:18  |
| 786         | 4/10/2025 | T-1             | 4/10/2025 18:29 | 4/10/2025 19:20 |
| 786         | 4/11/2025 | T-1             | 4/11/2025 18:27 | 4/11/2025 19:21 |
| 786         | 4/12/2025 | T-1             | 4/12/2025 18:26 | 4/12/2025 19:21 |
| 786         | 4/13/2025 | T-1             | 4/13/2025 18:26 | 4/13/2025 19:23 |
| 786         | 4/14/2025 | T-1             | 4/14/2025 18:25 | 4/14/2025 19:24 |
| 786         | 4/15/2025 | T-1             | 4/15/2025 18:25 | 4/15/2025 19:24 |
| 786         | 4/16/2025 | T-1             | 4/16/2025 18:25 | 4/16/2025 19:26 |
| 786         | 4/17/2025 | T-1             | 4/17/2025 18:24 | 4/17/2025 19:26 |
| 786         | 4/18/2025 | T-1             | 4/18/2025 18:25 | 4/18/2025 19:26 |
| 786         | 4/19/2025 | T-1             | 4/19/2025 18:24 | 4/19/2025 19:25 |
| 786         | 4/20/2025 | T-1             | 4/20/2025 18:24 | 4/20/2025 19:26 |
| 786         | 4/21/2025 | T-1             | 4/21/2025 18:24 | 4/21/2025 19:25 |
| 786         | 4/22/2025 | T-1             | 4/22/2025 18:25 | 4/22/2025 19:25 |
| 786         | 4/23/2025 | T-1             | 4/23/2025 18:24 | 4/23/2025 19:24 |
| 786         | 4/24/2025 | T-1             | 4/24/2025 18:25 | 4/24/2025 19:24 |
| 786         | 4/25/2025 | T-1             | 4/25/2025 18:25 | 4/25/2025 19:23 |
| 786         | 4/26/2025 | T-1             | 4/26/2025 18:25 | 4/26/2025 19:22 |
| 786         | 4/27/2025 | T-1             | 4/27/2025 18:25 | 4/27/2025 19:21 |
| 786         | 4/28/2025 | T-1             | 4/28/2025 18:26 | 4/28/2025 19:21 |
| 786         | 4/29/2025 | T-1             | 4/29/2025 18:26 | 4/29/2025 19:19 |
| 786         | 4/30/2025 | T-1             | 4/30/2025 18:27 | 4/30/2025 19:19 |
| 786         | 5/1/2025  | T-1             | 5/1/2025 18:28  | 5/1/2025 19:18  |
| 786         | 5/2/2025  | T-1             | 5/2/2025 18:29  | 5/2/2025 19:16  |
| 786         | 5/3/2025  | T-1             | 5/3/2025 18:30  | 5/3/2025 19:16  |
| 786         | 5/4/2025  | T-1             | 5/4/2025 18:31  | 5/4/2025 19:15  |
| 786         | 5/5/2025  | T-1             | 5/5/2025 18:32  | 5/5/2025 19:14  |
| 786         | 5/6/2025  | T-1             | 5/6/2025 18:33  | 5/6/2025 19:12  |
| 786         | 5/7/2025  | T-1             | 5/7/2025 18:35  | 5/7/2025 19:10  |
| 786         | 5/8/2025  | T-1             | 5/8/2025 18:36  | 5/8/2025 19:09  |
| 786         | 5/9/2025  | T-1             | 5/9/2025 18:38  | 5/9/2025 19:07  |
| 786         | 5/10/2025 | T-1             | 5/10/2025 18:41 | 5/10/2025 19:05 |
| 786         | 5/11/2025 | T-1             | 5/11/2025 18:43 | 5/11/2025 19:02 |
| 786         | 5/12/2025 | T-1             | 5/12/2025 18:47 | 5/12/2025 18:57 |
| 786         | 5/14/2025 | T-2             | 5/14/2025 6:27  | 5/14/2025 6:32  |
| 786         | 5/15/2025 | T-2             | 5/15/2025 6:21  | 5/15/2025 6:37  |
| 786         | 5/16/2025 | T-2             | 5/16/2025 6:19  | 5/16/2025 6:40  |
| 786         | 5/17/2025 | T-2             | 5/17/2025 6:16  | 5/17/2025 6:42  |
| 786         | 5/18/2025 | T-2             | 5/18/2025 6:16  | 5/18/2025 6:44  |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 786         | 5/19/2025 | T-2             | 5/19/2025 6:14 | 5/19/2025 6:46 |
| 786         | 5/20/2025 | T-2             | 5/20/2025 6:13 | 5/20/2025 6:47 |
| 786         | 5/21/2025 | T-2             | 5/21/2025 6:12 | 5/21/2025 6:48 |
| 786         | 5/22/2025 | T-2             | 5/22/2025 6:11 | 5/22/2025 6:48 |
| 786         | 5/23/2025 | T-2             | 5/23/2025 6:10 | 5/23/2025 6:49 |
| 786         | 5/24/2025 | T-2             | 5/24/2025 6:10 | 5/24/2025 6:51 |
| 786         | 5/25/2025 | T-2             | 5/25/2025 6:09 | 5/25/2025 6:51 |
| 786         | 5/26/2025 | T-2             | 5/26/2025 6:08 | 5/26/2025 6:51 |
| 786         | 5/27/2025 | T-2             | 5/27/2025 6:08 | 5/27/2025 6:53 |
| 786         | 5/28/2025 | T-2             | 5/28/2025 6:07 | 5/28/2025 6:53 |
| 786         | 5/29/2025 | T-2             | 5/29/2025 6:08 | 5/29/2025 6:54 |
| 786         | 5/30/2025 | T-2             | 5/30/2025 6:07 | 5/30/2025 6:54 |
| 786         | 5/31/2025 | T-2             | 5/31/2025 6:07 | 5/31/2025 6:55 |
| 786         | 6/1/2025  | T-2             | 6/1/2025 6:07  | 6/1/2025 6:55  |
| 786         | 6/2/2025  | T-2             | 6/2/2025 6:07  | 6/2/2025 6:56  |
| 786         | 6/3/2025  | T-2             | 6/3/2025 6:06  | 6/3/2025 6:56  |
| 786         | 6/4/2025  | T-2             | 6/4/2025 6:06  | 6/4/2025 6:56  |
| 786         | 6/5/2025  | T-2             | 6/5/2025 6:06  | 6/5/2025 6:56  |
| 786         | 6/6/2025  | T-2             | 6/6/2025 6:06  | 6/6/2025 6:57  |
| 786         | 6/7/2025  | T-2             | 6/7/2025 6:06  | 6/7/2025 6:57  |
| 786         | 6/8/2025  | T-2             | 6/8/2025 6:07  | 6/8/2025 6:58  |
| 786         | 6/9/2025  | T-2             | 6/9/2025 6:06  | 6/9/2025 6:57  |
| 786         | 6/10/2025 | T-2             | 6/10/2025 6:06 | 6/10/2025 6:58 |
| 786         | 6/11/2025 | T-2             | 6/11/2025 6:06 | 6/11/2025 6:58 |
| 786         | 6/12/2025 | T-2             | 6/12/2025 6:07 | 6/12/2025 6:59 |
| 786         | 6/13/2025 | T-2             | 6/13/2025 6:07 | 6/13/2025 6:59 |
| 786         | 6/14/2025 | T-2             | 6/14/2025 6:07 | 6/14/2025 6:59 |
| 786         | 6/15/2025 | T-2             | 6/15/2025 6:07 | 6/15/2025 7:00 |
| 786         | 6/16/2025 | T-2             | 6/16/2025 6:07 | 6/16/2025 7:00 |
| 786         | 6/17/2025 | T-2             | 6/17/2025 6:07 | 6/17/2025 7:00 |
| 786         | 6/18/2025 | T-2             | 6/18/2025 6:07 | 6/18/2025 7:00 |
| 786         | 6/19/2025 | T-2             | 6/19/2025 6:08 | 6/19/2025 7:00 |
| 786         | 6/20/2025 | T-2             | 6/20/2025 6:08 | 6/20/2025 7:00 |
| 786         | 6/21/2025 | T-2             | 6/21/2025 6:09 | 6/21/2025 7:01 |
| 786         | 6/22/2025 | T-2             | 6/22/2025 6:09 | 6/22/2025 7:01 |
| 786         | 6/23/2025 | T-2             | 6/23/2025 6:09 | 6/23/2025 7:01 |
| 786         | 6/24/2025 | T-2             | 6/24/2025 6:09 | 6/24/2025 7:01 |
| 786         | 6/25/2025 | T-2             | 6/25/2025 6:09 | 6/25/2025 7:02 |
| 786         | 6/26/2025 | T-2             | 6/26/2025 6:09 | 6/26/2025 7:02 |
| 786         | 6/27/2025 | T-2             | 6/27/2025 6:09 | 6/27/2025 7:02 |
| 786         | 6/28/2025 | T-2             | 6/28/2025 6:10 | 6/28/2025 7:03 |
| 786         | 6/29/2025 | T-2             | 6/29/2025 6:10 | 6/29/2025 7:02 |
| 786         | 6/30/2025 | T-2             | 6/30/2025 6:11 | 6/30/2025 7:03 |
| 786         | 7/1/2025  | T-2             | 7/1/2025 6:11  | 7/1/2025 7:03  |
| 786         | 7/2/2025  | T-2             | 7/2/2025 6:11  | 7/2/2025 7:03  |
| 786         | 7/3/2025  | T-2             | 7/3/2025 6:11  | 7/3/2025 7:03  |
| 786         | 7/4/2025  | T-2             | 7/4/2025 6:12  | 7/4/2025 7:03  |
| 786         | 7/5/2025  | T-2             | 7/5/2025 6:12  | 7/5/2025 7:03  |
| 786         | 7/6/2025  | T-2             | 7/6/2025 6:12  | 7/6/2025 7:03  |
| 786         | 7/7/2025  | T-2             | 7/7/2025 6:13  | 7/7/2025 7:04  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 786         | 7/8/2025  | T-2             | 7/8/2025 6:13   | 7/8/2025 7:03   |
| 786         | 7/9/2025  | T-2             | 7/9/2025 6:13   | 7/9/2025 7:03   |
| 786         | 7/10/2025 | T-2             | 7/10/2025 6:14  | 7/10/2025 7:04  |
| 786         | 7/11/2025 | T-2             | 7/11/2025 6:14  | 7/11/2025 7:03  |
| 786         | 7/12/2025 | T-2             | 7/12/2025 6:15  | 7/12/2025 7:03  |
| 786         | 7/13/2025 | T-2             | 7/13/2025 6:15  | 7/13/2025 7:03  |
| 786         | 7/14/2025 | T-2             | 7/14/2025 6:16  | 7/14/2025 7:03  |
| 786         | 7/15/2025 | T-2             | 7/15/2025 6:16  | 7/15/2025 7:02  |
| 786         | 7/16/2025 | T-2             | 7/16/2025 6:16  | 7/16/2025 7:02  |
| 786         | 7/17/2025 | T-2             | 7/17/2025 6:17  | 7/17/2025 7:02  |
| 786         | 7/18/2025 | T-2             | 7/18/2025 6:18  | 7/18/2025 7:01  |
| 786         | 7/19/2025 | T-2             | 7/19/2025 6:19  | 7/19/2025 7:01  |
| 786         | 7/20/2025 | T-2             | 7/20/2025 6:19  | 7/20/2025 7:00  |
| 786         | 7/21/2025 | T-2             | 7/21/2025 6:20  | 7/21/2025 6:59  |
| 786         | 7/22/2025 | T-2             | 7/22/2025 6:21  | 7/22/2025 6:58  |
| 786         | 7/23/2025 | T-2             | 7/23/2025 6:22  | 7/23/2025 6:58  |
| 786         | 7/24/2025 | T-2             | 7/24/2025 6:23  | 7/24/2025 6:57  |
| 786         | 7/25/2025 | T-2             | 7/25/2025 6:24  | 7/25/2025 6:56  |
| 786         | 7/26/2025 | T-2             | 7/26/2025 6:26  | 7/26/2025 6:54  |
| 786         | 7/27/2025 | T-2             | 7/27/2025 6:27  | 7/27/2025 6:53  |
| 786         | 7/28/2025 | T-2             | 7/28/2025 6:29  | 7/28/2025 6:51  |
| 786         | 7/29/2025 | T-2             | 7/29/2025 6:32  | 7/29/2025 6:48  |
| 786         | 7/30/2025 | T-2             | 7/30/2025 6:37  | 7/30/2025 6:44  |
| 786         | 8/1/2025  | T-1             | 8/1/2025 18:59  | 8/1/2025 19:08  |
| 786         | 8/2/2025  | T-1             | 8/2/2025 18:54  | 8/2/2025 19:12  |
| 786         | 8/3/2025  | T-1             | 8/3/2025 18:51  | 8/3/2025 19:15  |
| 786         | 8/4/2025  | T-1             | 8/4/2025 18:49  | 8/4/2025 19:17  |
| 786         | 8/5/2025  | T-1             | 8/5/2025 18:47  | 8/5/2025 19:19  |
| 786         | 8/6/2025  | T-1             | 8/6/2025 18:45  | 8/6/2025 19:20  |
| 786         | 8/7/2025  | T-1             | 8/7/2025 18:43  | 8/7/2025 19:22  |
| 786         | 8/8/2025  | T-1             | 8/8/2025 18:42  | 8/8/2025 19:23  |
| 786         | 8/9/2025  | T-1             | 8/9/2025 18:41  | 8/9/2025 19:24  |
| 786         | 8/10/2025 | T-1             | 8/10/2025 18:39 | 8/10/2025 19:25 |
| 786         | 8/11/2025 | T-1             | 8/11/2025 18:38 | 8/11/2025 19:26 |
| 786         | 8/12/2025 | T-1             | 8/12/2025 18:37 | 8/12/2025 19:26 |
| 786         | 8/13/2025 | T-1             | 8/13/2025 18:36 | 8/13/2025 19:27 |
| 786         | 8/14/2025 | T-1             | 8/14/2025 18:35 | 8/14/2025 19:27 |
| 786         | 8/15/2025 | T-1             | 8/15/2025 18:34 | 8/15/2025 19:28 |
| 786         | 8/16/2025 | T-1             | 8/16/2025 18:33 | 8/16/2025 19:28 |
| 786         | 8/17/2025 | T-1             | 8/17/2025 18:32 | 8/17/2025 19:29 |
| 786         | 8/18/2025 | T-1             | 8/18/2025 18:31 | 8/18/2025 19:29 |
| 786         | 8/19/2025 | T-1             | 8/19/2025 18:31 | 8/19/2025 19:29 |
| 786         | 8/20/2025 | T-1             | 8/20/2025 18:30 | 8/20/2025 19:29 |
| 786         | 8/21/2025 | T-1             | 8/21/2025 18:29 | 8/21/2025 19:29 |
| 786         | 8/22/2025 | T-1             | 8/22/2025 18:29 | 8/22/2025 19:29 |
| 786         | 8/23/2025 | T-1             | 8/23/2025 18:28 | 8/23/2025 19:29 |
| 786         | 8/24/2025 | T-1             | 8/24/2025 18:28 | 8/24/2025 19:29 |
| 786         | 8/25/2025 | T-1             | 8/25/2025 18:27 | 8/25/2025 19:29 |
| 786         | 8/26/2025 | T-1             | 8/26/2025 18:27 | 8/26/2025 19:28 |
| 786         | 8/27/2025 | T-1             | 8/27/2025 18:26 | 8/27/2025 19:28 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 786         | 8/28/2025 | T-1             | 8/28/2025 18:26 | 8/28/2025 19:27 |
| 786         | 8/29/2025 | T-1             | 8/29/2025 18:26 | 8/29/2025 19:25 |
| 786         | 8/30/2025 | T-1             | 8/30/2025 18:26 | 8/30/2025 19:23 |
| 786         | 8/31/2025 | T-1             | 8/31/2025 18:26 | 8/31/2025 19:22 |
| 786         | 9/1/2025  | T-1             | 9/1/2025 18:26  | 9/1/2025 19:20  |
| 786         | 9/2/2025  | T-1             | 9/2/2025 18:26  | 9/2/2025 19:18  |
| 786         | 9/3/2025  | T-1             | 9/3/2025 18:26  | 9/3/2025 19:17  |
| 786         | 9/4/2025  | T-1             | 9/4/2025 18:26  | 9/4/2025 19:15  |
| 786         | 9/5/2025  | T-1             | 9/5/2025 18:28  | 9/5/2025 19:14  |
| 786         | 9/6/2025  | T-1             | 9/6/2025 18:28  | 9/6/2025 19:12  |
| 786         | 9/7/2025  | T-1             | 9/7/2025 18:29  | 9/7/2025 19:11  |
| 786         | 9/8/2025  | T-1             | 9/8/2025 18:30  | 9/8/2025 19:09  |
| 786         | 9/9/2025  | T-1             | 9/9/2025 18:31  | 9/9/2025 19:07  |
| 786         | 9/10/2025 | T-1             | 9/10/2025 18:32 | 9/10/2025 19:05 |
| 786         | 9/11/2025 | T-1             | 9/11/2025 18:33 | 9/11/2025 19:03 |
| 786         | 9/12/2025 | T-1             | 9/12/2025 18:35 | 9/12/2025 19:02 |
| 786         | 9/13/2025 | T-1             | 9/13/2025 18:37 | 9/13/2025 19:00 |
| 786         | 9/14/2025 | T-1             | 9/14/2025 18:40 | 9/14/2025 18:58 |
| 786         | 9/15/2025 | T-3             | 9/15/2025 7:48  | 9/15/2025 8:01  |
| 786         | 9/15/2025 | T-1             | 9/15/2025 18:45 | 9/15/2025 18:56 |
| 786         | 9/16/2025 | T-3             | 9/16/2025 7:44  | 9/16/2025 8:04  |
| 786         | 9/17/2025 | T-3             | 9/17/2025 7:42  | 9/17/2025 8:06  |
| 786         | 9/18/2025 | T-3             | 9/18/2025 7:40  | 9/18/2025 8:07  |
| 786         | 9/19/2025 | T-3             | 9/19/2025 7:38  | 9/19/2025 8:08  |
| 786         | 9/20/2025 | T-3             | 9/20/2025 7:36  | 9/20/2025 8:09  |
| 786         | 9/21/2025 | T-3             | 9/21/2025 7:35  | 9/21/2025 8:09  |
| 786         | 9/22/2025 | T-3             | 9/22/2025 7:34  | 9/22/2025 8:10  |
| 786         | 9/23/2025 | T-3             | 9/23/2025 7:33  | 9/23/2025 8:10  |
| 786         | 9/24/2025 | T-3             | 9/24/2025 7:32  | 9/24/2025 8:10  |
| 786         | 9/25/2025 | T-3             | 9/25/2025 7:31  | 9/25/2025 8:10  |
| 786         | 9/26/2025 | T-3             | 9/26/2025 7:32  | 9/26/2025 8:11  |
| 786         | 9/27/2025 | T-3             | 9/27/2025 7:31  | 9/27/2025 8:10  |
| 786         | 9/28/2025 | T-3             | 9/28/2025 7:31  | 9/28/2025 8:10  |
| 786         | 9/29/2025 | T-3             | 9/29/2025 7:31  | 9/29/2025 8:09  |
| 786         | 9/30/2025 | T-3             | 9/30/2025 7:30  | 9/30/2025 8:08  |
| 786         | 10/1/2025 | T-3             | 10/1/2025 7:30  | 10/1/2025 8:07  |
| 786         | 10/2/2025 | T-3             | 10/2/2025 7:31  | 10/2/2025 8:06  |
| 786         | 10/3/2025 | T-3             | 10/3/2025 7:31  | 10/3/2025 8:05  |
| 786         | 10/4/2025 | T-3             | 10/4/2025 7:32  | 10/4/2025 8:04  |
| 786         | 10/5/2025 | T-3             | 10/5/2025 7:33  | 10/5/2025 8:03  |
| 786         | 10/6/2025 | T-3             | 10/6/2025 7:34  | 10/6/2025 8:01  |
| 786         | 10/7/2025 | T-3             | 10/7/2025 7:36  | 10/7/2025 7:59  |
| 786         | 10/8/2025 | T-3             | 10/8/2025 7:38  | 10/8/2025 7:56  |
| 786         | 10/9/2025 | T-3             | 10/9/2025 7:41  | 10/9/2025 7:52  |
| 787         | 3/26/2025 | T-3             | 3/26/2025 7:31  | 3/26/2025 7:46  |
| 787         | 3/27/2025 | T-3             | 3/27/2025 7:27  | 3/27/2025 7:48  |
| 787         | 3/28/2025 | T-3             | 3/28/2025 7:24  | 3/28/2025 7:50  |
| 787         | 3/29/2025 | T-3             | 3/29/2025 7:22  | 3/29/2025 7:51  |
| 787         | 3/30/2025 | T-3             | 3/30/2025 7:21  | 3/30/2025 7:53  |
| 787         | 3/31/2025 | T-3             | 3/31/2025 7:19  | 3/31/2025 7:54  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 787         | 4/1/2025  | T-3             | 4/1/2025 7:18   | 4/1/2025 7:54   |
| 787         | 4/2/2025  | T-3             | 4/2/2025 7:17   | 4/2/2025 7:54   |
| 787         | 4/3/2025  | T-3             | 4/3/2025 7:16   | 4/3/2025 7:55   |
| 787         | 4/4/2025  | T-3             | 4/4/2025 7:15   | 4/4/2025 7:55   |
| 787         | 4/5/2025  | T-3             | 4/5/2025 7:14   | 4/5/2025 7:55   |
| 787         | 4/6/2025  | T-3             | 4/6/2025 7:14   | 4/6/2025 7:54   |
| 787         | 4/7/2025  | T-3             | 4/7/2025 7:14   | 4/7/2025 7:55   |
| 787         | 4/8/2025  | T-3             | 4/8/2025 7:13   | 4/8/2025 7:54   |
| 787         | 4/9/2025  | T-3             | 4/9/2025 7:13   | 4/9/2025 7:53   |
| 787         | 4/10/2025 | T-3             | 4/10/2025 7:13  | 4/10/2025 7:53  |
| 787         | 4/11/2025 | T-3             | 4/11/2025 7:13  | 4/11/2025 7:52  |
| 787         | 4/12/2025 | T-3             | 4/12/2025 7:13  | 4/12/2025 7:51  |
| 787         | 4/13/2025 | T-3             | 4/13/2025 7:14  | 4/13/2025 7:51  |
| 787         | 4/14/2025 | T-3             | 4/14/2025 7:14  | 4/14/2025 7:49  |
| 787         | 4/15/2025 | T-3             | 4/15/2025 7:14  | 4/15/2025 7:48  |
| 787         | 4/16/2025 | T-3             | 4/16/2025 7:16  | 4/16/2025 7:47  |
| 787         | 4/17/2025 | T-3             | 4/17/2025 7:16  | 4/17/2025 7:45  |
| 787         | 4/18/2025 | T-3             | 4/18/2025 7:18  | 4/18/2025 7:44  |
| 787         | 4/19/2025 | T-3             | 4/19/2025 7:19  | 4/19/2025 7:41  |
| 787         | 4/20/2025 | T-3             | 4/20/2025 7:22  | 4/20/2025 7:39  |
| 787         | 4/21/2025 | T-3             | 4/21/2025 7:25  | 4/21/2025 7:35  |
| 787         | 4/29/2025 | T-1             | 4/29/2025 19:35 | 4/29/2025 19:36 |
| 787         | 4/30/2025 | T-1             | 4/30/2025 19:27 | 4/30/2025 19:41 |
| 787         | 5/1/2025  | T-1             | 5/1/2025 19:24  | 5/1/2025 19:43  |
| 787         | 5/2/2025  | T-1             | 5/2/2025 19:21  | 5/2/2025 19:43  |
| 787         | 5/3/2025  | T-1             | 5/3/2025 19:19  | 5/3/2025 19:44  |
| 787         | 5/4/2025  | T-1             | 5/4/2025 19:17  | 5/4/2025 19:46  |
| 787         | 5/5/2025  | T-1             | 5/5/2025 19:16  | 5/5/2025 19:47  |
| 787         | 5/6/2025  | T-1             | 5/6/2025 19:14  | 5/6/2025 19:47  |
| 787         | 5/7/2025  | T-1             | 5/7/2025 19:13  | 5/7/2025 19:48  |
| 787         | 5/8/2025  | T-1             | 5/8/2025 19:12  | 5/8/2025 19:50  |
| 787         | 5/9/2025  | T-1             | 5/9/2025 19:11  | 5/9/2025 19:51  |
| 787         | 5/10/2025 | T-1             | 5/10/2025 19:11 | 5/10/2025 19:52 |
| 787         | 5/11/2025 | T-1             | 5/11/2025 19:10 | 5/11/2025 19:53 |
| 787         | 5/12/2025 | T-1             | 5/12/2025 19:09 | 5/12/2025 19:53 |
| 787         | 5/13/2025 | T-1             | 5/13/2025 19:08 | 5/13/2025 19:54 |
| 787         | 5/14/2025 | T-1             | 5/14/2025 19:08 | 5/14/2025 19:55 |
| 787         | 5/15/2025 | T-1             | 5/15/2025 19:07 | 5/15/2025 19:56 |
| 787         | 5/16/2025 | T-1             | 5/16/2025 19:07 | 5/16/2025 19:57 |
| 787         | 5/17/2025 | T-1             | 5/17/2025 19:06 | 5/17/2025 19:58 |
| 787         | 5/18/2025 | T-1             | 5/18/2025 19:07 | 5/18/2025 20:00 |
| 787         | 5/19/2025 | T-1             | 5/19/2025 19:07 | 5/19/2025 20:01 |
| 787         | 5/20/2025 | T-1             | 5/20/2025 19:06 | 5/20/2025 20:02 |
| 787         | 5/21/2025 | T-1             | 5/21/2025 19:06 | 5/21/2025 20:02 |
| 787         | 5/22/2025 | T-1             | 5/22/2025 19:06 | 5/22/2025 20:03 |
| 787         | 5/23/2025 | T-1             | 5/23/2025 19:06 | 5/23/2025 20:04 |
| 787         | 5/24/2025 | T-1             | 5/24/2025 19:06 | 5/24/2025 20:05 |
| 787         | 5/25/2025 | T-1             | 5/25/2025 19:06 | 5/25/2025 20:05 |
| 787         | 5/26/2025 | T-1             | 5/26/2025 19:06 | 5/26/2025 20:05 |
| 787         | 5/27/2025 | T-1             | 5/27/2025 19:07 | 5/27/2025 20:05 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 787         | 5/28/2025 | T-1             | 5/28/2025 19:06 | 5/28/2025 20:05 |
| 787         | 5/29/2025 | T-1             | 5/29/2025 19:07 | 5/29/2025 20:06 |
| 787         | 5/30/2025 | T-1             | 5/30/2025 19:07 | 5/30/2025 20:05 |
| 787         | 5/31/2025 | T-1             | 5/31/2025 19:08 | 5/31/2025 20:06 |
| 787         | 6/1/2025  | T-1             | 6/1/2025 19:07  | 6/1/2025 20:06  |
| 787         | 6/2/2025  | T-1             | 6/2/2025 19:08  | 6/2/2025 20:06  |
| 787         | 6/3/2025  | T-1             | 6/3/2025 19:08  | 6/3/2025 20:06  |
| 787         | 6/4/2025  | T-1             | 6/4/2025 19:08  | 6/4/2025 20:06  |
| 787         | 6/5/2025  | T-1             | 6/5/2025 19:08  | 6/5/2025 20:06  |
| 787         | 6/6/2025  | T-1             | 6/6/2025 19:08  | 6/6/2025 20:06  |
| 787         | 6/7/2025  | T-1             | 6/7/2025 19:09  | 6/7/2025 20:06  |
| 787         | 6/8/2025  | T-1             | 6/8/2025 19:09  | 6/8/2025 20:07  |
| 787         | 6/9/2025  | T-1             | 6/9/2025 19:09  | 6/9/2025 20:06  |
| 787         | 6/10/2025 | T-1             | 6/10/2025 19:09 | 6/10/2025 20:06 |
| 787         | 6/11/2025 | T-1             | 6/11/2025 19:10 | 6/11/2025 20:07 |
| 787         | 6/12/2025 | T-1             | 6/12/2025 19:10 | 6/12/2025 20:07 |
| 787         | 6/13/2025 | T-1             | 6/13/2025 19:11 | 6/13/2025 20:07 |
| 787         | 6/14/2025 | T-1             | 6/14/2025 19:11 | 6/14/2025 20:07 |
| 787         | 6/15/2025 | T-1             | 6/15/2025 19:11 | 6/15/2025 20:07 |
| 787         | 6/16/2025 | T-1             | 6/16/2025 19:11 | 6/16/2025 20:07 |
| 787         | 6/17/2025 | T-1             | 6/17/2025 19:12 | 6/17/2025 20:08 |
| 787         | 6/18/2025 | T-1             | 6/18/2025 19:12 | 6/18/2025 20:08 |
| 787         | 6/19/2025 | T-1             | 6/19/2025 19:12 | 6/19/2025 20:08 |
| 787         | 6/20/2025 | T-1             | 6/20/2025 19:12 | 6/20/2025 20:08 |
| 787         | 6/21/2025 | T-1             | 6/21/2025 19:13 | 6/21/2025 20:09 |
| 787         | 6/22/2025 | T-1             | 6/22/2025 19:13 | 6/22/2025 20:09 |
| 787         | 6/23/2025 | T-1             | 6/23/2025 19:13 | 6/23/2025 20:09 |
| 787         | 6/24/2025 | T-1             | 6/24/2025 19:13 | 6/24/2025 20:09 |
| 787         | 6/25/2025 | T-1             | 6/25/2025 19:14 | 6/25/2025 20:10 |
| 787         | 6/26/2025 | T-1             | 6/26/2025 19:14 | 6/26/2025 20:10 |
| 787         | 6/27/2025 | T-1             | 6/27/2025 19:13 | 6/27/2025 20:09 |
| 787         | 6/28/2025 | T-1             | 6/28/2025 19:14 | 6/28/2025 20:10 |
| 787         | 6/29/2025 | T-1             | 6/29/2025 19:14 | 6/29/2025 20:10 |
| 787         | 6/30/2025 | T-1             | 6/30/2025 19:15 | 6/30/2025 20:11 |
| 787         | 7/1/2025  | T-1             | 7/1/2025 19:14  | 7/1/2025 20:11  |
| 787         | 7/2/2025  | T-1             | 7/2/2025 19:15  | 7/2/2025 20:12  |
| 787         | 7/3/2025  | T-1             | 7/3/2025 19:14  | 7/3/2025 20:11  |
| 787         | 7/4/2025  | T-1             | 7/4/2025 19:15  | 7/4/2025 20:12  |
| 787         | 7/5/2025  | T-1             | 7/5/2025 19:14  | 7/5/2025 20:12  |
| 787         | 7/6/2025  | T-1             | 7/6/2025 19:15  | 7/6/2025 20:12  |
| 787         | 7/7/2025  | T-1             | 7/7/2025 19:15  | 7/7/2025 20:13  |
| 787         | 7/8/2025  | T-1             | 7/8/2025 19:15  | 7/8/2025 20:13  |
| 787         | 7/9/2025  | T-1             | 7/9/2025 19:15  | 7/9/2025 20:13  |
| 787         | 7/10/2025 | T-1             | 7/10/2025 19:16 | 7/10/2025 20:14 |
| 787         | 7/11/2025 | T-1             | 7/11/2025 19:15 | 7/11/2025 20:13 |
| 787         | 7/12/2025 | T-1             | 7/12/2025 19:15 | 7/12/2025 20:14 |
| 787         | 7/13/2025 | T-1             | 7/13/2025 19:16 | 7/13/2025 20:14 |
| 787         | 7/14/2025 | T-1             | 7/14/2025 19:16 | 7/14/2025 20:14 |
| 787         | 7/15/2025 | T-1             | 7/15/2025 19:15 | 7/15/2025 20:14 |
| 787         | 7/16/2025 | T-1             | 7/16/2025 19:15 | 7/16/2025 20:14 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 787         | 7/17/2025 | T-1             | 7/17/2025 19:16 | 7/17/2025 20:14 |
| 787         | 7/18/2025 | T-1             | 7/18/2025 19:16 | 7/18/2025 20:15 |
| 787         | 7/19/2025 | T-1             | 7/19/2025 19:16 | 7/19/2025 20:15 |
| 787         | 7/20/2025 | T-1             | 7/20/2025 19:15 | 7/20/2025 20:14 |
| 787         | 7/21/2025 | T-1             | 7/21/2025 19:16 | 7/21/2025 20:14 |
| 787         | 7/22/2025 | T-1             | 7/22/2025 19:16 | 7/22/2025 20:13 |
| 787         | 7/23/2025 | T-1             | 7/23/2025 19:16 | 7/23/2025 20:13 |
| 787         | 7/24/2025 | T-1             | 7/24/2025 19:17 | 7/24/2025 20:12 |
| 787         | 7/25/2025 | T-1             | 7/25/2025 19:17 | 7/25/2025 20:11 |
| 787         | 7/26/2025 | T-1             | 7/26/2025 19:17 | 7/26/2025 20:10 |
| 787         | 7/27/2025 | T-1             | 7/27/2025 19:17 | 7/27/2025 20:09 |
| 787         | 7/28/2025 | T-1             | 7/28/2025 19:18 | 7/28/2025 20:08 |
| 787         | 7/29/2025 | T-1             | 7/29/2025 19:18 | 7/29/2025 20:08 |
| 787         | 7/30/2025 | T-1             | 7/30/2025 19:19 | 7/30/2025 20:07 |
| 787         | 7/31/2025 | T-1             | 7/31/2025 19:19 | 7/31/2025 20:06 |
| 787         | 8/1/2025  | T-1             | 8/1/2025 19:20  | 8/1/2025 20:05  |
| 787         | 8/2/2025  | T-1             | 8/2/2025 19:20  | 8/2/2025 20:03  |
| 787         | 8/3/2025  | T-1             | 8/3/2025 19:21  | 8/3/2025 20:02  |
| 787         | 8/4/2025  | T-1             | 8/4/2025 19:21  | 8/4/2025 20:01  |
| 787         | 8/5/2025  | T-1             | 8/5/2025 19:22  | 8/5/2025 20:00  |
| 787         | 8/6/2025  | T-1             | 8/6/2025 19:23  | 8/6/2025 19:59  |
| 787         | 8/7/2025  | T-1             | 8/7/2025 19:24  | 8/7/2025 19:58  |
| 787         | 8/8/2025  | T-1             | 8/8/2025 19:25  | 8/8/2025 19:56  |
| 787         | 8/9/2025  | T-1             | 8/9/2025 19:26  | 8/9/2025 19:55  |
| 787         | 8/10/2025 | T-1             | 8/10/2025 19:28 | 8/10/2025 19:54 |
| 787         | 8/11/2025 | T-1             | 8/11/2025 19:30 | 8/11/2025 19:53 |
| 787         | 8/12/2025 | T-1             | 8/12/2025 19:32 | 8/12/2025 19:51 |
| 787         | 8/13/2025 | T-1             | 8/13/2025 19:35 | 8/13/2025 19:50 |
| 787         | 8/14/2025 | T-1             | 8/14/2025 19:39 | 8/14/2025 19:48 |
| 787         | 8/22/2025 | T-3             | 8/22/2025 7:32  | 8/22/2025 7:36  |
| 787         | 8/23/2025 | T-3             | 8/23/2025 7:27  | 8/23/2025 7:41  |
| 787         | 8/24/2025 | T-3             | 8/24/2025 7:24  | 8/24/2025 7:44  |
| 787         | 8/25/2025 | T-3             | 8/25/2025 7:21  | 8/25/2025 7:46  |
| 787         | 8/26/2025 | T-3             | 8/26/2025 7:19  | 8/26/2025 7:47  |
| 787         | 8/27/2025 | T-3             | 8/27/2025 7:18  | 8/27/2025 7:48  |
| 787         | 8/28/2025 | T-3             | 8/28/2025 7:16  | 8/28/2025 7:49  |
| 787         | 8/29/2025 | T-3             | 8/29/2025 7:15  | 8/29/2025 7:50  |
| 787         | 8/30/2025 | T-3             | 8/30/2025 7:14  | 8/30/2025 7:50  |
| 787         | 8/31/2025 | T-3             | 8/31/2025 7:13  | 8/31/2025 7:51  |
| 787         | 9/1/2025  | T-3             | 9/1/2025 7:12   | 9/1/2025 7:51   |
| 787         | 9/2/2025  | T-3             | 9/2/2025 7:11   | 9/2/2025 7:51   |
| 787         | 9/3/2025  | T-3             | 9/3/2025 7:11   | 9/3/2025 7:51   |
| 787         | 9/4/2025  | T-3             | 9/4/2025 7:10   | 9/4/2025 7:51   |
| 787         | 9/5/2025  | T-3             | 9/5/2025 7:11   | 9/5/2025 7:52   |
| 787         | 9/6/2025  | T-3             | 9/6/2025 7:10   | 9/6/2025 7:51   |
| 787         | 9/7/2025  | T-3             | 9/7/2025 7:10   | 9/7/2025 7:51   |
| 787         | 9/8/2025  | T-3             | 9/8/2025 7:10   | 9/8/2025 7:50   |
| 787         | 9/9/2025  | T-3             | 9/9/2025 7:10   | 9/9/2025 7:49   |
| 787         | 9/10/2025 | T-3             | 9/10/2025 7:10  | 9/10/2025 7:48  |
| 787         | 9/11/2025 | T-3             | 9/11/2025 7:10  | 9/11/2025 7:47  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 787         | 9/12/2025 | T-3             | 9/12/2025 7:11  | 9/12/2025 7:46  |
| 787         | 9/13/2025 | T-3             | 9/13/2025 7:11  | 9/13/2025 7:45  |
| 787         | 9/14/2025 | T-3             | 9/14/2025 7:12  | 9/14/2025 7:43  |
| 787         | 9/15/2025 | T-3             | 9/15/2025 7:13  | 9/15/2025 7:41  |
| 787         | 9/16/2025 | T-3             | 9/16/2025 7:15  | 9/16/2025 7:39  |
| 787         | 9/17/2025 | T-3             | 9/17/2025 7:17  | 9/17/2025 7:36  |
| 787         | 9/18/2025 | T-3             | 9/18/2025 7:20  | 9/18/2025 7:32  |
| 794         | 1/1/2025  | T-7             | 1/1/2025 8:18   | 1/1/2025 8:58   |
| 794         | 1/2/2025  | T-7             | 1/2/2025 8:19   | 1/2/2025 8:58   |
| 794         | 1/3/2025  | T-7             | 1/3/2025 8:19   | 1/3/2025 8:58   |
| 794         | 1/4/2025  | T-7             | 1/4/2025 8:20   | 1/4/2025 8:59   |
| 794         | 1/5/2025  | T-7             | 1/5/2025 8:21   | 1/5/2025 8:59   |
| 794         | 1/6/2025  | T-7             | 1/6/2025 8:21   | 1/6/2025 8:59   |
| 794         | 1/7/2025  | T-7             | 1/7/2025 8:21   | 1/7/2025 8:59   |
| 794         | 1/8/2025  | T-7             | 1/8/2025 8:22   | 1/8/2025 8:59   |
| 794         | 1/9/2025  | T-7             | 1/9/2025 8:23   | 1/9/2025 9:00   |
| 794         | 1/9/2025  | T-2             | 1/9/2025 16:22  | 1/9/2025 16:24  |
| 794         | 1/10/2025 | T-7             | 1/10/2025 8:24  | 1/10/2025 9:00  |
| 794         | 1/10/2025 | T-2             | 1/10/2025 16:19 | 1/10/2025 16:25 |
| 794         | 1/11/2025 | T-7             | 1/11/2025 8:24  | 1/11/2025 8:59  |
| 794         | 1/11/2025 | T-2             | 1/11/2025 16:17 | 1/11/2025 16:26 |
| 794         | 1/12/2025 | T-7             | 1/12/2025 8:25  | 1/12/2025 9:00  |
| 794         | 1/12/2025 | T-2             | 1/12/2025 16:16 | 1/12/2025 16:27 |
| 794         | 1/13/2025 | T-7             | 1/13/2025 8:26  | 1/13/2025 8:59  |
| 794         | 1/13/2025 | T-2             | 1/13/2025 16:15 | 1/13/2025 16:28 |
| 794         | 1/14/2025 | T-7             | 1/14/2025 8:27  | 1/14/2025 8:59  |
| 794         | 1/14/2025 | T-2             | 1/14/2025 16:14 | 1/14/2025 16:30 |
| 794         | 1/15/2025 | T-7             | 1/15/2025 8:28  | 1/15/2025 8:58  |
| 794         | 1/15/2025 | T-2             | 1/15/2025 16:13 | 1/15/2025 16:30 |
| 794         | 1/16/2025 | T-7             | 1/16/2025 8:29  | 1/16/2025 8:59  |
| 794         | 1/16/2025 | T-2             | 1/16/2025 16:13 | 1/16/2025 16:32 |
| 794         | 1/17/2025 | T-7             | 1/17/2025 8:30  | 1/17/2025 8:58  |
| 794         | 1/17/2025 | T-2             | 1/17/2025 16:12 | 1/17/2025 16:33 |
| 794         | 1/18/2025 | T-7             | 1/18/2025 8:32  | 1/18/2025 8:57  |
| 794         | 1/18/2025 | T-2             | 1/18/2025 16:12 | 1/18/2025 16:35 |
| 794         | 1/19/2025 | T-7             | 1/19/2025 8:33  | 1/19/2025 8:56  |
| 794         | 1/19/2025 | T-2             | 1/19/2025 16:11 | 1/19/2025 16:36 |
| 794         | 1/20/2025 | T-7             | 1/20/2025 8:34  | 1/20/2025 8:55  |
| 794         | 1/20/2025 | T-2             | 1/20/2025 16:10 | 1/20/2025 16:37 |
| 794         | 1/21/2025 | T-7             | 1/21/2025 8:37  | 1/21/2025 8:54  |
| 794         | 1/21/2025 | T-2             | 1/21/2025 16:10 | 1/21/2025 16:39 |
| 794         | 1/22/2025 | T-7             | 1/22/2025 8:40  | 1/22/2025 8:52  |
| 794         | 1/22/2025 | T-2             | 1/22/2025 16:10 | 1/22/2025 16:40 |
| 794         | 1/23/2025 | T-2             | 1/23/2025 16:09 | 1/23/2025 16:41 |
| 794         | 1/24/2025 | T-2             | 1/24/2025 16:09 | 1/24/2025 16:42 |
| 794         | 1/25/2025 | T-2             | 1/25/2025 16:08 | 1/25/2025 16:44 |
| 794         | 1/26/2025 | T-2             | 1/26/2025 16:08 | 1/26/2025 16:45 |
| 794         | 1/27/2025 | T-2             | 1/27/2025 16:09 | 1/27/2025 16:47 |
| 794         | 1/28/2025 | T-2             | 1/28/2025 16:09 | 1/28/2025 16:49 |
| 794         | 1/29/2025 | T-2             | 1/29/2025 16:08 | 1/29/2025 16:50 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 794         | 1/30/2025 | T-2             | 1/30/2025 16:08 | 1/30/2025 16:51 |
| 794         | 1/31/2025 | T-2             | 1/31/2025 16:08 | 1/31/2025 16:53 |
| 794         | 2/1/2025  | T-2             | 2/1/2025 16:08  | 2/1/2025 16:53  |
| 794         | 2/2/2025  | T-2             | 2/2/2025 16:08  | 2/2/2025 16:55  |
| 794         | 2/3/2025  | T-2             | 2/3/2025 16:08  | 2/3/2025 16:55  |
| 794         | 2/4/2025  | T-2             | 2/4/2025 16:08  | 2/4/2025 16:56  |
| 794         | 2/5/2025  | T-2             | 2/5/2025 16:09  | 2/5/2025 16:56  |
| 794         | 2/6/2025  | T-2             | 2/6/2025 16:09  | 2/6/2025 16:56  |
| 794         | 2/7/2025  | T-2             | 2/7/2025 16:09  | 2/7/2025 16:55  |
| 794         | 2/8/2025  | T-2             | 2/8/2025 16:10  | 2/8/2025 16:55  |
| 794         | 2/9/2025  | T-2             | 2/9/2025 16:10  | 2/9/2025 16:55  |
| 794         | 2/10/2025 | T-2             | 2/10/2025 16:11 | 2/10/2025 16:55 |
| 794         | 2/11/2025 | T-2             | 2/11/2025 16:11 | 2/11/2025 16:54 |
| 794         | 2/12/2025 | T-2             | 2/12/2025 16:13 | 2/12/2025 16:54 |
| 794         | 2/13/2025 | T-2             | 2/13/2025 16:13 | 2/13/2025 16:52 |
| 794         | 2/14/2025 | T-2             | 2/14/2025 16:14 | 2/14/2025 16:52 |
| 794         | 2/15/2025 | T-2             | 2/15/2025 16:16 | 2/15/2025 16:51 |
| 794         | 2/16/2025 | T-2             | 2/16/2025 16:17 | 2/16/2025 16:49 |
| 794         | 2/17/2025 | T-2             | 2/17/2025 16:19 | 2/17/2025 16:48 |
| 794         | 2/18/2025 | T-2             | 2/18/2025 16:20 | 2/18/2025 16:45 |
| 794         | 2/19/2025 | T-2             | 2/19/2025 16:23 | 2/19/2025 16:43 |
| 794         | 2/20/2025 | T-2             | 2/20/2025 16:27 | 2/20/2025 16:38 |
| 794         | 3/4/2025  | T-6             | 3/4/2025 6:59   | 3/4/2025 7:03   |
| 794         | 3/5/2025  | T-6             | 3/5/2025 6:57   | 3/5/2025 7:06   |
| 794         | 3/6/2025  | T-6             | 3/6/2025 6:56   | 3/6/2025 7:08   |
| 794         | 3/7/2025  | T-6             | 3/7/2025 6:54   | 3/7/2025 7:09   |
| 794         | 3/8/2025  | T-6             | 3/8/2025 6:52   | 3/8/2025 7:09   |
| 794         | 3/9/2025  | T-6             | 3/9/2025 7:51   | 3/9/2025 8:10   |
| 794         | 3/10/2025 | T-5             | 3/10/2025 8:00  | 3/10/2025 8:13  |
| 794         | 3/10/2025 | T-6             | 3/10/2025 7:49  | 3/10/2025 8:10  |
| 794         | 3/11/2025 | T-5             | 3/11/2025 7:54  | 3/11/2025 8:17  |
| 794         | 3/11/2025 | T-6             | 3/11/2025 7:47  | 3/11/2025 8:10  |
| 794         | 3/12/2025 | T-5             | 3/12/2025 7:51  | 3/12/2025 8:20  |
| 794         | 3/12/2025 | T-6             | 3/12/2025 7:45  | 3/12/2025 8:10  |
| 794         | 3/13/2025 | T-5             | 3/13/2025 7:49  | 3/13/2025 8:23  |
| 794         | 3/13/2025 | T-6             | 3/13/2025 7:44  | 3/13/2025 8:10  |
| 794         | 3/14/2025 | T-5             | 3/14/2025 7:46  | 3/14/2025 8:24  |
| 794         | 3/14/2025 | T-6             | 3/14/2025 7:42  | 3/14/2025 8:10  |
| 794         | 3/15/2025 | T-5             | 3/15/2025 7:44  | 3/15/2025 8:26  |
| 794         | 3/15/2025 | T-6             | 3/15/2025 7:42  | 3/15/2025 8:09  |
| 794         | 3/16/2025 | T-5             | 3/16/2025 7:42  | 3/16/2025 8:27  |
| 794         | 3/16/2025 | T-6             | 3/16/2025 7:42  | 3/16/2025 8:07  |
| 794         | 3/17/2025 | T-5             | 3/17/2025 7:41  | 3/17/2025 8:28  |
| 794         | 3/17/2025 | T-6             | 3/17/2025 7:43  | 3/17/2025 8:07  |
| 794         | 3/18/2025 | T-5             | 3/18/2025 7:39  | 3/18/2025 8:29  |
| 794         | 3/18/2025 | T-6             | 3/18/2025 7:44  | 3/18/2025 8:05  |
| 794         | 3/19/2025 | T-5             | 3/19/2025 7:38  | 3/19/2025 8:29  |
| 794         | 3/19/2025 | T-6             | 3/19/2025 7:45  | 3/19/2025 8:03  |
| 794         | 3/20/2025 | T-5             | 3/20/2025 7:37  | 3/20/2025 8:30  |
| 794         | 3/20/2025 | T-6             | 3/20/2025 7:47  | 3/20/2025 8:00  |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 794         | 3/21/2025 | T-5             | 3/21/2025 7:35 | 3/21/2025 8:30 |
| 794         | 3/21/2025 | T-6             | 3/21/2025 7:51 | 3/21/2025 7:55 |
| 794         | 3/22/2025 | T-5             | 3/22/2025 7:35 | 3/22/2025 8:31 |
| 794         | 3/23/2025 | T-5             | 3/23/2025 7:34 | 3/23/2025 8:31 |
| 794         | 3/24/2025 | T-5             | 3/24/2025 7:33 | 3/24/2025 8:31 |
| 794         | 3/25/2025 | T-5             | 3/25/2025 7:32 | 3/25/2025 8:30 |
| 794         | 3/26/2025 | T-5             | 3/26/2025 7:32 | 3/26/2025 8:31 |
| 794         | 3/27/2025 | T-5             | 3/27/2025 7:32 | 3/27/2025 8:30 |
| 794         | 3/28/2025 | T-5             | 3/28/2025 7:31 | 3/28/2025 8:30 |
| 794         | 3/29/2025 | T-5             | 3/29/2025 7:30 | 3/29/2025 8:29 |
| 794         | 3/30/2025 | T-5             | 3/30/2025 7:31 | 3/30/2025 8:30 |
| 794         | 3/31/2025 | T-5             | 3/31/2025 7:31 | 3/31/2025 8:29 |
| 794         | 4/1/2025  | T-5             | 4/1/2025 7:30  | 4/1/2025 8:28  |
| 794         | 4/2/2025  | T-5             | 4/2/2025 7:30  | 4/2/2025 8:27  |
| 794         | 4/3/2025  | T-5             | 4/3/2025 7:31  | 4/3/2025 8:27  |
| 794         | 4/4/2025  | T-5             | 4/4/2025 7:31  | 4/4/2025 8:25  |
| 794         | 4/5/2025  | T-5             | 4/5/2025 7:31  | 4/5/2025 8:24  |
| 794         | 4/6/2025  | T-5             | 4/6/2025 7:31  | 4/6/2025 8:23  |
| 794         | 4/7/2025  | T-5             | 4/7/2025 7:32  | 4/7/2025 8:22  |
| 794         | 4/8/2025  | T-5             | 4/8/2025 7:32  | 4/8/2025 8:21  |
| 794         | 4/9/2025  | T-5             | 4/9/2025 7:33  | 4/9/2025 8:19  |
| 794         | 4/10/2025 | T-5             | 4/10/2025 7:34 | 4/10/2025 8:18 |
| 794         | 4/11/2025 | T-5             | 4/11/2025 7:35 | 4/11/2025 8:16 |
| 794         | 4/12/2025 | T-5             | 4/12/2025 7:36 | 4/12/2025 8:14 |
| 794         | 4/13/2025 | T-5             | 4/13/2025 7:38 | 4/13/2025 8:12 |
| 794         | 4/14/2025 | T-5             | 4/14/2025 7:40 | 4/14/2025 8:09 |
| 794         | 4/15/2025 | T-5             | 4/15/2025 7:42 | 4/15/2025 8:06 |
| 794         | 4/16/2025 | T-5             | 4/16/2025 7:45 | 4/16/2025 8:03 |
| 794         | 8/27/2025 | T-5             | 8/27/2025 7:49 | 8/27/2025 8:02 |
| 794         | 8/28/2025 | T-5             | 8/28/2025 7:45 | 8/28/2025 8:06 |
| 794         | 8/29/2025 | T-5             | 8/29/2025 7:41 | 8/29/2025 8:09 |
| 794         | 8/30/2025 | T-5             | 8/30/2025 7:39 | 8/30/2025 8:11 |
| 794         | 8/31/2025 | T-5             | 8/31/2025 7:37 | 8/31/2025 8:12 |
| 794         | 9/1/2025  | T-5             | 9/1/2025 7:35  | 9/1/2025 8:14  |
| 794         | 9/2/2025  | T-5             | 9/2/2025 7:33  | 9/2/2025 8:15  |
| 794         | 9/3/2025  | T-5             | 9/3/2025 7:31  | 9/3/2025 8:16  |
| 794         | 9/4/2025  | T-5             | 9/4/2025 7:30  | 9/4/2025 8:17  |
| 794         | 9/5/2025  | T-5             | 9/5/2025 7:28  | 9/5/2025 8:17  |
| 794         | 9/6/2025  | T-5             | 9/6/2025 7:27  | 9/6/2025 8:18  |
| 794         | 9/7/2025  | T-5             | 9/7/2025 7:26  | 9/7/2025 8:19  |
| 794         | 9/8/2025  | T-5             | 9/8/2025 7:26  | 9/8/2025 8:20  |
| 794         | 9/9/2025  | T-5             | 9/9/2025 7:25  | 9/9/2025 8:20  |
| 794         | 9/10/2025 | T-5             | 9/10/2025 7:24 | 9/10/2025 8:20 |
| 794         | 9/11/2025 | T-5             | 9/11/2025 7:23 | 9/11/2025 8:20 |
| 794         | 9/12/2025 | T-5             | 9/12/2025 7:23 | 9/12/2025 8:20 |
| 794         | 9/13/2025 | T-5             | 9/13/2025 7:22 | 9/13/2025 8:20 |
| 794         | 9/14/2025 | T-5             | 9/14/2025 7:22 | 9/14/2025 8:20 |
| 794         | 9/15/2025 | T-5             | 9/15/2025 7:21 | 9/15/2025 8:20 |
| 794         | 9/16/2025 | T-5             | 9/16/2025 7:21 | 9/16/2025 8:20 |
| 794         | 9/17/2025 | T-5             | 9/17/2025 7:20 | 9/17/2025 8:19 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 794         | 9/18/2025  | T-5             | 9/18/2025 7:20   | 9/18/2025 8:19   |
| 794         | 9/19/2025  | T-5             | 9/19/2025 7:20   | 9/19/2025 8:18   |
| 794         | 9/20/2025  | T-5             | 9/20/2025 7:20   | 9/20/2025 8:17   |
| 794         | 9/21/2025  | T-5             | 9/21/2025 7:20   | 9/21/2025 8:16   |
| 794         | 9/22/2025  | T-5             | 9/22/2025 7:20   | 9/22/2025 8:15   |
| 794         | 9/23/2025  | T-5             | 9/23/2025 7:20   | 9/23/2025 8:14   |
| 794         | 9/23/2025  | T-6             | 9/23/2025 7:34   | 9/23/2025 7:41   |
| 794         | 9/24/2025  | T-5             | 9/24/2025 7:20   | 9/24/2025 8:13   |
| 794         | 9/24/2025  | T-6             | 9/24/2025 7:30   | 9/24/2025 7:45   |
| 794         | 9/25/2025  | T-5             | 9/25/2025 7:21   | 9/25/2025 8:12   |
| 794         | 9/25/2025  | T-6             | 9/25/2025 7:28   | 9/25/2025 7:46   |
| 794         | 9/26/2025  | T-5             | 9/26/2025 7:22   | 9/26/2025 8:12   |
| 794         | 9/26/2025  | T-6             | 9/26/2025 7:27   | 9/26/2025 7:48   |
| 794         | 9/27/2025  | T-5             | 9/27/2025 7:23   | 9/27/2025 8:10   |
| 794         | 9/27/2025  | T-6             | 9/27/2025 7:25   | 9/27/2025 7:49   |
| 794         | 9/28/2025  | T-5             | 9/28/2025 7:24   | 9/28/2025 8:08   |
| 794         | 9/28/2025  | T-6             | 9/28/2025 7:24   | 9/28/2025 7:49   |
| 794         | 9/29/2025  | T-5             | 9/29/2025 7:25   | 9/29/2025 8:06   |
| 794         | 9/29/2025  | T-6             | 9/29/2025 7:23   | 9/29/2025 7:50   |
| 794         | 9/30/2025  | T-5             | 9/30/2025 7:26   | 9/30/2025 8:04   |
| 794         | 9/30/2025  | T-6             | 9/30/2025 7:22   | 9/30/2025 7:49   |
| 794         | 10/1/2025  | T-5             | 10/1/2025 7:28   | 10/1/2025 8:02   |
| 794         | 10/1/2025  | T-6             | 10/1/2025 7:23   | 10/1/2025 7:49   |
| 794         | 10/2/2025  | T-5             | 10/2/2025 7:30   | 10/2/2025 7:59   |
| 794         | 10/2/2025  | T-6             | 10/2/2025 7:24   | 10/2/2025 7:49   |
| 794         | 10/3/2025  | T-5             | 10/3/2025 7:33   | 10/3/2025 7:55   |
| 794         | 10/3/2025  | T-6             | 10/3/2025 7:25   | 10/3/2025 7:48   |
| 794         | 10/4/2025  | T-5             | 10/4/2025 7:37   | 10/4/2025 7:50   |
| 794         | 10/4/2025  | T-6             | 10/4/2025 7:26   | 10/4/2025 7:48   |
| 794         | 10/5/2025  | T-6             | 10/5/2025 7:28   | 10/5/2025 7:48   |
| 794         | 10/6/2025  | T-6             | 10/6/2025 7:29   | 10/6/2025 7:46   |
| 794         | 10/7/2025  | T-6             | 10/7/2025 7:30   | 10/7/2025 7:45   |
| 794         | 10/8/2025  | T-6             | 10/8/2025 7:31   | 10/8/2025 7:43   |
| 794         | 10/9/2025  | T-6             | 10/9/2025 7:32   | 10/9/2025 7:41   |
| 794         | 10/10/2025 | T-6             | 10/10/2025 7:33  | 10/10/2025 7:38  |
| 794         | 10/22/2025 | T-2             | 10/22/2025 16:59 | 10/22/2025 17:07 |
| 794         | 10/23/2025 | T-2             | 10/23/2025 16:55 | 10/23/2025 17:13 |
| 794         | 10/24/2025 | T-2             | 10/24/2025 16:51 | 10/24/2025 17:15 |
| 794         | 10/25/2025 | T-2             | 10/25/2025 16:49 | 10/25/2025 17:17 |
| 794         | 10/26/2025 | T-2             | 10/26/2025 16:47 | 10/26/2025 17:18 |
| 794         | 10/27/2025 | T-2             | 10/27/2025 16:46 | 10/27/2025 17:20 |
| 794         | 10/28/2025 | T-2             | 10/28/2025 16:44 | 10/28/2025 17:21 |
| 794         | 10/29/2025 | T-2             | 10/29/2025 16:43 | 10/29/2025 17:21 |
| 794         | 10/30/2025 | T-2             | 10/30/2025 16:42 | 10/30/2025 17:23 |
| 794         | 10/31/2025 | T-2             | 10/31/2025 16:41 | 10/31/2025 17:23 |
| 794         | 11/1/2025  | T-2             | 11/1/2025 16:40  | 11/1/2025 17:23  |
| 794         | 11/2/2025  | T-2             | 11/2/2025 15:40  | 11/2/2025 16:25  |
| 794         | 11/3/2025  | T-2             | 11/3/2025 15:39  | 11/3/2025 16:25  |
| 794         | 11/4/2025  | T-2             | 11/4/2025 15:40  | 11/4/2025 16:26  |
| 794         | 11/5/2025  | T-2             | 11/5/2025 15:39  | 11/5/2025 16:26  |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 794         | 11/6/2025  | T-2             | 11/6/2025 15:38  | 11/6/2025 16:25  |
| 794         | 11/7/2025  | T-2             | 11/7/2025 15:39  | 11/7/2025 16:26  |
| 794         | 11/8/2025  | T-2             | 11/8/2025 15:39  | 11/8/2025 16:26  |
| 794         | 11/9/2025  | T-2             | 11/9/2025 15:38  | 11/9/2025 16:26  |
| 794         | 11/10/2025 | T-2             | 11/10/2025 15:39 | 11/10/2025 16:26 |
| 794         | 11/11/2025 | T-2             | 11/11/2025 15:39 | 11/11/2025 16:24 |
| 794         | 11/12/2025 | T-2             | 11/12/2025 15:39 | 11/12/2025 16:23 |
| 794         | 11/13/2025 | T-2             | 11/13/2025 15:40 | 11/13/2025 16:22 |
| 794         | 11/14/2025 | T-2             | 11/14/2025 15:40 | 11/14/2025 16:21 |
| 794         | 11/15/2025 | T-2             | 11/15/2025 15:41 | 11/15/2025 16:20 |
| 794         | 11/16/2025 | T-2             | 11/16/2025 15:41 | 11/16/2025 16:19 |
| 794         | 11/17/2025 | T-2             | 11/17/2025 15:42 | 11/17/2025 16:18 |
| 794         | 11/18/2025 | T-2             | 11/18/2025 15:43 | 11/18/2025 16:18 |
| 794         | 11/19/2025 | T-2             | 11/19/2025 15:44 | 11/19/2025 16:16 |
| 794         | 11/20/2025 | T-7             | 11/20/2025 8:17  | 11/20/2025 8:24  |
| 794         | 11/20/2025 | T-2             | 11/20/2025 15:44 | 11/20/2025 16:15 |
| 794         | 11/21/2025 | T-7             | 11/21/2025 8:13  | 11/21/2025 8:27  |
| 794         | 11/21/2025 | T-2             | 11/21/2025 15:45 | 11/21/2025 16:14 |
| 794         | 11/22/2025 | T-7             | 11/22/2025 8:12  | 11/22/2025 8:30  |
| 794         | 11/22/2025 | T-2             | 11/22/2025 15:46 | 11/22/2025 16:14 |
| 794         | 11/23/2025 | T-7             | 11/23/2025 8:10  | 11/23/2025 8:32  |
| 794         | 11/23/2025 | T-2             | 11/23/2025 15:47 | 11/23/2025 16:13 |
| 794         | 11/24/2025 | T-7             | 11/24/2025 8:09  | 11/24/2025 8:33  |
| 794         | 11/24/2025 | T-2             | 11/24/2025 15:48 | 11/24/2025 16:12 |
| 794         | 11/25/2025 | T-7             | 11/25/2025 8:09  | 11/25/2025 8:36  |
| 794         | 11/25/2025 | T-2             | 11/25/2025 15:50 | 11/25/2025 16:12 |
| 794         | 11/26/2025 | T-7             | 11/26/2025 8:08  | 11/26/2025 8:37  |
| 794         | 11/26/2025 | T-2             | 11/26/2025 15:51 | 11/26/2025 16:11 |
| 794         | 11/27/2025 | T-7             | 11/27/2025 8:08  | 11/27/2025 8:37  |
| 794         | 11/27/2025 | T-2             | 11/27/2025 15:52 | 11/27/2025 16:10 |
| 794         | 11/28/2025 | T-7             | 11/28/2025 8:07  | 11/28/2025 8:38  |
| 794         | 11/28/2025 | T-2             | 11/28/2025 15:53 | 11/28/2025 16:10 |
| 794         | 11/29/2025 | T-7             | 11/29/2025 8:07  | 11/29/2025 8:39  |
| 794         | 11/29/2025 | T-2             | 11/29/2025 15:54 | 11/29/2025 16:09 |
| 794         | 11/30/2025 | T-7             | 11/30/2025 8:07  | 11/30/2025 8:41  |
| 794         | 11/30/2025 | T-2             | 11/30/2025 15:57 | 11/30/2025 16:09 |
| 794         | 12/1/2025  | T-7             | 12/1/2025 8:07   | 12/1/2025 8:42   |
| 794         | 12/1/2025  | T-2             | 12/1/2025 15:58  | 12/1/2025 16:09  |
| 794         | 12/2/2025  | T-7             | 12/2/2025 8:07   | 12/2/2025 8:42   |
| 794         | 12/2/2025  | T-2             | 12/2/2025 16:00  | 12/2/2025 16:08  |
| 794         | 12/3/2025  | T-7             | 12/3/2025 8:07   | 12/3/2025 8:43   |
| 794         | 12/3/2025  | T-2             | 12/3/2025 16:03  | 12/3/2025 16:08  |
| 794         | 12/4/2025  | T-7             | 12/4/2025 8:07   | 12/4/2025 8:43   |
| 794         | 12/5/2025  | T-7             | 12/5/2025 8:07   | 12/5/2025 8:44   |
| 794         | 12/6/2025  | T-7             | 12/6/2025 8:07   | 12/6/2025 8:45   |
| 794         | 12/7/2025  | T-7             | 12/7/2025 8:07   | 12/7/2025 8:45   |
| 794         | 12/8/2025  | T-7             | 12/8/2025 8:07   | 12/8/2025 8:46   |
| 794         | 12/9/2025  | T-7             | 12/9/2025 8:08   | 12/9/2025 8:47   |
| 794         | 12/10/2025 | T-7             | 12/10/2025 8:08  | 12/10/2025 8:47  |
| 794         | 12/11/2025 | T-7             | 12/11/2025 8:09  | 12/11/2025 8:48  |

| Receptor ID | Date       | Wind Turbine ID | From            | To              |
|-------------|------------|-----------------|-----------------|-----------------|
| 794         | 12/12/2025 | T-7             | 12/12/2025 8:09 | 12/12/2025 8:49 |
| 794         | 12/13/2025 | T-7             | 12/13/2025 8:10 | 12/13/2025 8:49 |
| 794         | 12/14/2025 | T-7             | 12/14/2025 8:09 | 12/14/2025 8:49 |
| 794         | 12/15/2025 | T-7             | 12/15/2025 8:10 | 12/15/2025 8:50 |
| 794         | 12/16/2025 | T-7             | 12/16/2025 8:11 | 12/16/2025 8:51 |
| 794         | 12/17/2025 | T-7             | 12/17/2025 8:10 | 12/17/2025 8:51 |
| 794         | 12/18/2025 | T-7             | 12/18/2025 8:11 | 12/18/2025 8:51 |
| 794         | 12/19/2025 | T-7             | 12/19/2025 8:12 | 12/19/2025 8:52 |
| 794         | 12/20/2025 | T-7             | 12/20/2025 8:12 | 12/20/2025 8:52 |
| 794         | 12/21/2025 | T-7             | 12/21/2025 8:13 | 12/21/2025 8:53 |
| 794         | 12/22/2025 | T-7             | 12/22/2025 8:13 | 12/22/2025 8:53 |
| 794         | 12/23/2025 | T-7             | 12/23/2025 8:14 | 12/23/2025 8:54 |
| 794         | 12/24/2025 | T-7             | 12/24/2025 8:14 | 12/24/2025 8:54 |
| 794         | 12/25/2025 | T-7             | 12/25/2025 8:14 | 12/25/2025 8:54 |
| 794         | 12/26/2025 | T-7             | 12/26/2025 8:15 | 12/26/2025 8:55 |
| 794         | 12/27/2025 | T-7             | 12/27/2025 8:15 | 12/27/2025 8:56 |
| 794         | 12/28/2025 | T-7             | 12/28/2025 8:16 | 12/28/2025 8:56 |
| 794         | 12/29/2025 | T-7             | 12/29/2025 8:17 | 12/29/2025 8:57 |
| 794         | 12/30/2025 | T-7             | 12/30/2025 8:17 | 12/30/2025 8:57 |
| 794         | 12/31/2025 | T-7             | 12/31/2025 8:18 | 12/31/2025 8:57 |
| 795         | 1/1/2025   | T-7             | 1/1/2025 8:01   | 1/1/2025 8:38   |
| 795         | 1/2/2025   | T-7             | 1/2/2025 8:01   | 1/2/2025 8:38   |
| 795         | 1/3/2025   | T-7             | 1/3/2025 8:02   | 1/3/2025 8:39   |
| 795         | 1/4/2025   | T-7             | 1/4/2025 8:02   | 1/4/2025 8:40   |
| 795         | 1/5/2025   | T-7             | 1/5/2025 8:02   | 1/5/2025 8:40   |
| 795         | 1/6/2025   | T-7             | 1/6/2025 8:03   | 1/6/2025 8:41   |
| 795         | 1/7/2025   | T-7             | 1/7/2025 8:02   | 1/7/2025 8:41   |
| 795         | 1/8/2025   | T-7             | 1/8/2025 8:03   | 1/8/2025 8:42   |
| 795         | 1/9/2025   | T-7             | 1/9/2025 8:03   | 1/9/2025 8:43   |
| 795         | 1/10/2025  | T-7             | 1/10/2025 8:04  | 1/10/2025 8:44  |
| 795         | 1/11/2025  | T-7             | 1/11/2025 8:03  | 1/11/2025 8:44  |
| 795         | 1/12/2025  | T-7             | 1/12/2025 8:04  | 1/12/2025 8:44  |
| 795         | 1/13/2025  | T-7             | 1/13/2025 8:04  | 1/13/2025 8:44  |
| 795         | 1/14/2025  | T-7             | 1/14/2025 8:04  | 1/14/2025 8:45  |
| 795         | 1/15/2025  | T-7             | 1/15/2025 8:04  | 1/15/2025 8:45  |
| 795         | 1/16/2025  | T-7             | 1/16/2025 8:05  | 1/16/2025 8:46  |
| 795         | 1/17/2025  | T-7             | 1/17/2025 8:05  | 1/17/2025 8:46  |
| 795         | 1/18/2025  | T-7             | 1/18/2025 8:06  | 1/18/2025 8:47  |
| 795         | 1/19/2025  | T-7             | 1/19/2025 8:06  | 1/19/2025 8:47  |
| 795         | 1/20/2025  | T-7             | 1/20/2025 8:06  | 1/20/2025 8:47  |
| 795         | 1/21/2025  | T-7             | 1/21/2025 8:07  | 1/21/2025 8:48  |
| 795         | 1/22/2025  | T-7             | 1/22/2025 8:07  | 1/22/2025 8:48  |
| 795         | 1/23/2025  | T-7             | 1/23/2025 8:08  | 1/23/2025 8:47  |
| 795         | 1/24/2025  | T-7             | 1/24/2025 8:08  | 1/24/2025 8:47  |
| 795         | 1/25/2025  | T-7             | 1/25/2025 8:08  | 1/25/2025 8:47  |
| 795         | 1/25/2025  | T-2             | 1/25/2025 16:35 | 1/25/2025 16:44 |
| 795         | 1/26/2025  | T-7             | 1/26/2025 8:09  | 1/26/2025 8:47  |
| 795         | 1/26/2025  | T-2             | 1/26/2025 16:32 | 1/26/2025 16:45 |
| 795         | 1/27/2025  | T-7             | 1/27/2025 8:11  | 1/27/2025 8:47  |
| 795         | 1/27/2025  | T-2             | 1/27/2025 16:31 | 1/27/2025 16:47 |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 795         | 1/28/2025 | T-7             | 1/28/2025 8:12  | 1/28/2025 8:47  |
| 795         | 1/28/2025 | T-2             | 1/28/2025 16:29 | 1/28/2025 16:49 |
| 795         | 1/29/2025 | T-7             | 1/29/2025 8:12  | 1/29/2025 8:46  |
| 795         | 1/29/2025 | T-2             | 1/29/2025 16:28 | 1/29/2025 16:50 |
| 795         | 1/30/2025 | T-7             | 1/30/2025 8:14  | 1/30/2025 8:45  |
| 795         | 1/30/2025 | T-2             | 1/30/2025 16:27 | 1/30/2025 16:51 |
| 795         | 1/31/2025 | T-7             | 1/31/2025 8:15  | 1/31/2025 8:45  |
| 795         | 1/31/2025 | T-2             | 1/31/2025 16:26 | 1/31/2025 16:53 |
| 795         | 2/1/2025  | T-7             | 2/1/2025 8:15   | 2/1/2025 8:43   |
| 795         | 2/1/2025  | T-2             | 2/1/2025 16:24  | 2/1/2025 16:53  |
| 795         | 2/2/2025  | T-7             | 2/2/2025 8:17   | 2/2/2025 8:41   |
| 795         | 2/2/2025  | T-2             | 2/2/2025 16:23  | 2/2/2025 16:55  |
| 795         | 2/3/2025  | T-7             | 2/3/2025 8:19   | 2/3/2025 8:40   |
| 795         | 2/3/2025  | T-2             | 2/3/2025 16:23  | 2/3/2025 16:56  |
| 795         | 2/4/2025  | T-7             | 2/4/2025 8:21   | 2/4/2025 8:38   |
| 795         | 2/4/2025  | T-2             | 2/4/2025 16:22  | 2/4/2025 16:58  |
| 795         | 2/5/2025  | T-7             | 2/5/2025 8:26   | 2/5/2025 8:34   |
| 795         | 2/5/2025  | T-2             | 2/5/2025 16:22  | 2/5/2025 17:00  |
| 795         | 2/6/2025  | T-2             | 2/6/2025 16:21  | 2/6/2025 17:01  |
| 795         | 2/7/2025  | T-2             | 2/7/2025 16:20  | 2/7/2025 17:02  |
| 795         | 2/8/2025  | T-2             | 2/8/2025 16:20  | 2/8/2025 17:04  |
| 795         | 2/9/2025  | T-2             | 2/9/2025 16:20  | 2/9/2025 17:05  |
| 795         | 2/10/2025 | T-2             | 2/10/2025 16:20 | 2/10/2025 17:07 |
| 795         | 2/11/2025 | T-2             | 2/11/2025 16:19 | 2/11/2025 17:08 |
| 795         | 2/12/2025 | T-2             | 2/12/2025 16:19 | 2/12/2025 17:10 |
| 795         | 2/13/2025 | T-2             | 2/13/2025 16:19 | 2/13/2025 17:10 |
| 795         | 2/14/2025 | T-2             | 2/14/2025 16:19 | 2/14/2025 17:10 |
| 795         | 2/15/2025 | T-2             | 2/15/2025 16:19 | 2/15/2025 17:11 |
| 795         | 2/16/2025 | T-2             | 2/16/2025 16:19 | 2/16/2025 17:10 |
| 795         | 2/17/2025 | T-2             | 2/17/2025 16:20 | 2/17/2025 17:10 |
| 795         | 2/18/2025 | T-2             | 2/18/2025 16:19 | 2/18/2025 17:09 |
| 795         | 2/19/2025 | T-2             | 2/19/2025 16:20 | 2/19/2025 17:10 |
| 795         | 2/20/2025 | T-2             | 2/20/2025 16:20 | 2/20/2025 17:09 |
| 795         | 2/21/2025 | T-2             | 2/21/2025 16:21 | 2/21/2025 17:08 |
| 795         | 2/22/2025 | T-2             | 2/22/2025 16:21 | 2/22/2025 17:07 |
| 795         | 2/23/2025 | T-2             | 2/23/2025 16:23 | 2/23/2025 17:07 |
| 795         | 2/24/2025 | T-2             | 2/24/2025 16:23 | 2/24/2025 17:05 |
| 795         | 2/25/2025 | T-2             | 2/25/2025 16:25 | 2/25/2025 17:05 |
| 795         | 2/26/2025 | T-2             | 2/26/2025 16:26 | 2/26/2025 17:03 |
| 795         | 2/27/2025 | T-2             | 2/27/2025 16:27 | 2/27/2025 17:01 |
| 795         | 2/28/2025 | T-2             | 2/28/2025 16:29 | 2/28/2025 17:00 |
| 795         | 3/1/2025  | T-2             | 3/1/2025 16:31  | 3/1/2025 16:57  |
| 795         | 3/2/2025  | T-2             | 3/2/2025 16:33  | 3/2/2025 16:54  |
| 795         | 3/3/2025  | T-2             | 3/3/2025 16:38  | 3/3/2025 16:50  |
| 795         | 3/11/2025 | T-6             | 3/11/2025 7:47  | 3/11/2025 7:48  |
| 795         | 3/12/2025 | T-6             | 3/12/2025 7:45  | 3/12/2025 7:51  |
| 795         | 3/13/2025 | T-6             | 3/13/2025 7:44  | 3/13/2025 7:54  |
| 795         | 3/14/2025 | T-6             | 3/14/2025 7:42  | 3/14/2025 7:55  |
| 795         | 3/15/2025 | T-6             | 3/15/2025 7:40  | 3/15/2025 7:56  |
| 795         | 3/16/2025 | T-6             | 3/16/2025 7:38  | 3/16/2025 7:56  |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 795         | 3/17/2025 | T-6             | 3/17/2025 7:37 | 3/17/2025 7:57 |
| 795         | 3/18/2025 | T-6             | 3/18/2025 7:35 | 3/18/2025 7:57 |
| 795         | 3/19/2025 | T-6             | 3/19/2025 7:33 | 3/19/2025 7:56 |
| 795         | 3/20/2025 | T-6             | 3/20/2025 7:31 | 3/20/2025 7:56 |
| 795         | 3/21/2025 | T-6             | 3/21/2025 7:29 | 3/21/2025 7:55 |
| 795         | 3/22/2025 | T-6             | 3/22/2025 7:29 | 3/22/2025 7:55 |
| 795         | 3/23/2025 | T-6             | 3/23/2025 7:29 | 3/23/2025 7:54 |
| 795         | 3/24/2025 | T-6             | 3/24/2025 7:29 | 3/24/2025 7:53 |
| 795         | 3/25/2025 | T-5             | 3/25/2025 7:32 | 3/25/2025 7:43 |
| 795         | 3/25/2025 | T-6             | 3/25/2025 7:30 | 3/25/2025 7:51 |
| 795         | 3/26/2025 | T-5             | 3/26/2025 7:27 | 3/26/2025 7:48 |
| 795         | 3/26/2025 | T-6             | 3/26/2025 7:32 | 3/26/2025 7:50 |
| 795         | 3/27/2025 | T-5             | 3/27/2025 7:23 | 3/27/2025 7:51 |
| 795         | 3/27/2025 | T-6             | 3/27/2025 7:34 | 3/27/2025 7:47 |
| 795         | 3/28/2025 | T-5             | 3/28/2025 7:20 | 3/28/2025 7:53 |
| 795         | 3/28/2025 | T-6             | 3/28/2025 7:37 | 3/28/2025 7:43 |
| 795         | 3/29/2025 | T-5             | 3/29/2025 7:18 | 3/29/2025 7:54 |
| 795         | 3/30/2025 | T-5             | 3/30/2025 7:16 | 3/30/2025 7:57 |
| 795         | 3/31/2025 | T-5             | 3/31/2025 7:14 | 3/31/2025 7:57 |
| 795         | 4/1/2025  | T-5             | 4/1/2025 7:13  | 4/1/2025 7:58  |
| 795         | 4/2/2025  | T-5             | 4/2/2025 7:11  | 4/2/2025 7:59  |
| 795         | 4/3/2025  | T-5             | 4/3/2025 7:10  | 4/3/2025 8:00  |
| 795         | 4/4/2025  | T-5             | 4/4/2025 7:09  | 4/4/2025 8:00  |
| 795         | 4/5/2025  | T-5             | 4/5/2025 7:08  | 4/5/2025 8:00  |
| 795         | 4/6/2025  | T-5             | 4/6/2025 7:07  | 4/6/2025 8:00  |
| 795         | 4/7/2025  | T-5             | 4/7/2025 7:06  | 4/7/2025 8:01  |
| 795         | 4/8/2025  | T-5             | 4/8/2025 7:05  | 4/8/2025 8:01  |
| 795         | 4/9/2025  | T-5             | 4/9/2025 7:05  | 4/9/2025 8:00  |
| 795         | 4/10/2025 | T-5             | 4/10/2025 7:05 | 4/10/2025 8:01 |
| 795         | 4/11/2025 | T-5             | 4/11/2025 7:04 | 4/11/2025 8:00 |
| 795         | 4/12/2025 | T-5             | 4/12/2025 7:03 | 4/12/2025 8:00 |
| 795         | 4/13/2025 | T-5             | 4/13/2025 7:04 | 4/13/2025 8:00 |
| 795         | 4/14/2025 | T-5             | 4/14/2025 7:03 | 4/14/2025 7:59 |
| 795         | 4/15/2025 | T-5             | 4/15/2025 7:03 | 4/15/2025 7:58 |
| 795         | 4/16/2025 | T-5             | 4/16/2025 7:03 | 4/16/2025 7:58 |
| 795         | 4/17/2025 | T-5             | 4/17/2025 7:03 | 4/17/2025 7:57 |
| 795         | 4/18/2025 | T-5             | 4/18/2025 7:04 | 4/18/2025 7:57 |
| 795         | 4/19/2025 | T-5             | 4/19/2025 7:03 | 4/19/2025 7:56 |
| 795         | 4/20/2025 | T-5             | 4/20/2025 7:04 | 4/20/2025 7:55 |
| 795         | 4/21/2025 | T-5             | 4/21/2025 7:04 | 4/21/2025 7:54 |
| 795         | 4/22/2025 | T-5             | 4/22/2025 7:04 | 4/22/2025 7:52 |
| 795         | 4/23/2025 | T-5             | 4/23/2025 7:05 | 4/23/2025 7:52 |
| 795         | 4/24/2025 | T-5             | 4/24/2025 7:06 | 4/24/2025 7:50 |
| 795         | 4/25/2025 | T-5             | 4/25/2025 7:07 | 4/25/2025 7:49 |
| 795         | 4/26/2025 | T-5             | 4/26/2025 7:08 | 4/26/2025 7:48 |
| 795         | 4/27/2025 | T-5             | 4/27/2025 7:09 | 4/27/2025 7:46 |
| 795         | 4/28/2025 | T-5             | 4/28/2025 7:11 | 4/28/2025 7:45 |
| 795         | 4/29/2025 | T-5             | 4/29/2025 7:11 | 4/29/2025 7:42 |
| 795         | 4/30/2025 | T-5             | 4/30/2025 7:14 | 4/30/2025 7:40 |
| 795         | 5/1/2025  | T-5             | 5/1/2025 7:16  | 5/1/2025 7:38  |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 795         | 5/2/2025  | T-5             | 5/2/2025 7:19  | 5/2/2025 7:34  |
| 795         | 8/11/2025 | T-5             | 8/11/2025 7:29 | 8/11/2025 7:42 |
| 795         | 8/12/2025 | T-5             | 8/12/2025 7:25 | 8/12/2025 7:46 |
| 795         | 8/13/2025 | T-5             | 8/13/2025 7:23 | 8/13/2025 7:48 |
| 795         | 8/14/2025 | T-5             | 8/14/2025 7:20 | 8/14/2025 7:50 |
| 795         | 8/15/2025 | T-5             | 8/15/2025 7:18 | 8/15/2025 7:52 |
| 795         | 8/16/2025 | T-5             | 8/16/2025 7:17 | 8/16/2025 7:53 |
| 795         | 8/17/2025 | T-5             | 8/17/2025 7:15 | 8/17/2025 7:54 |
| 795         | 8/18/2025 | T-5             | 8/18/2025 7:14 | 8/18/2025 7:55 |
| 795         | 8/19/2025 | T-5             | 8/19/2025 7:12 | 8/19/2025 7:56 |
| 795         | 8/20/2025 | T-5             | 8/20/2025 7:11 | 8/20/2025 7:57 |
| 795         | 8/21/2025 | T-5             | 8/21/2025 7:10 | 8/21/2025 7:58 |
| 795         | 8/22/2025 | T-5             | 8/22/2025 7:09 | 8/22/2025 7:58 |
| 795         | 8/23/2025 | T-5             | 8/23/2025 7:08 | 8/23/2025 7:59 |
| 795         | 8/24/2025 | T-5             | 8/24/2025 7:07 | 8/24/2025 7:59 |
| 795         | 8/25/2025 | T-5             | 8/25/2025 7:06 | 8/25/2025 7:59 |
| 795         | 8/26/2025 | T-5             | 8/26/2025 7:06 | 8/26/2025 8:00 |
| 795         | 8/27/2025 | T-5             | 8/27/2025 7:05 | 8/27/2025 8:00 |
| 795         | 8/28/2025 | T-5             | 8/28/2025 7:04 | 8/28/2025 8:00 |
| 795         | 8/29/2025 | T-5             | 8/29/2025 7:04 | 8/29/2025 8:00 |
| 795         | 8/30/2025 | T-5             | 8/30/2025 7:03 | 8/30/2025 8:00 |
| 795         | 8/31/2025 | T-5             | 8/31/2025 7:03 | 8/31/2025 7:59 |
| 795         | 9/1/2025  | T-5             | 9/1/2025 7:03  | 9/1/2025 7:59  |
| 795         | 9/2/2025  | T-5             | 9/2/2025 7:02  | 9/2/2025 7:59  |
| 795         | 9/3/2025  | T-5             | 9/3/2025 7:02  | 9/3/2025 7:58  |
| 795         | 9/4/2025  | T-5             | 9/4/2025 7:02  | 9/4/2025 7:58  |
| 795         | 9/5/2025  | T-5             | 9/5/2025 7:02  | 9/5/2025 7:57  |
| 795         | 9/6/2025  | T-5             | 9/6/2025 7:02  | 9/6/2025 7:56  |
| 795         | 9/7/2025  | T-5             | 9/7/2025 7:03  | 9/7/2025 7:56  |
| 795         | 9/8/2025  | T-5             | 9/8/2025 7:03  | 9/8/2025 7:55  |
| 795         | 9/9/2025  | T-5             | 9/9/2025 7:04  | 9/9/2025 7:54  |
| 795         | 9/10/2025 | T-5             | 9/10/2025 7:04 | 9/10/2025 7:53 |
| 795         | 9/11/2025 | T-5             | 9/11/2025 7:05 | 9/11/2025 7:52 |
| 795         | 9/12/2025 | T-5             | 9/12/2025 7:05 | 9/12/2025 7:50 |
| 795         | 9/13/2025 | T-5             | 9/13/2025 7:06 | 9/13/2025 7:49 |
| 795         | 9/14/2025 | T-5             | 9/14/2025 7:07 | 9/14/2025 7:47 |
| 795         | 9/15/2025 | T-5             | 9/15/2025 7:09 | 9/15/2025 7:45 |
| 795         | 9/16/2025 | T-5             | 9/16/2025 7:10 | 9/16/2025 7:42 |
| 795         | 9/16/2025 | T-6             | 9/16/2025 7:25 | 9/16/2025 7:34 |
| 795         | 9/17/2025 | T-5             | 9/17/2025 7:13 | 9/17/2025 7:39 |
| 795         | 9/17/2025 | T-6             | 9/17/2025 7:22 | 9/17/2025 7:36 |
| 795         | 9/18/2025 | T-5             | 9/18/2025 7:16 | 9/18/2025 7:35 |
| 795         | 9/18/2025 | T-6             | 9/18/2025 7:19 | 9/18/2025 7:38 |
| 795         | 9/19/2025 | T-5             | 9/19/2025 7:22 | 9/19/2025 7:28 |
| 795         | 9/19/2025 | T-6             | 9/19/2025 7:17 | 9/19/2025 7:39 |
| 795         | 9/20/2025 | T-6             | 9/20/2025 7:16 | 9/20/2025 7:40 |
| 795         | 9/21/2025 | T-6             | 9/21/2025 7:15 | 9/21/2025 7:40 |
| 795         | 9/22/2025 | T-6             | 9/22/2025 7:14 | 9/22/2025 7:40 |
| 795         | 9/23/2025 | T-6             | 9/23/2025 7:14 | 9/23/2025 7:40 |
| 795         | 9/24/2025 | T-6             | 9/24/2025 7:15 | 9/24/2025 7:40 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 795         | 9/25/2025  | T-6             | 9/25/2025 7:16   | 9/25/2025 7:39   |
| 795         | 9/26/2025  | T-6             | 9/26/2025 7:18   | 9/26/2025 7:40   |
| 795         | 9/27/2025  | T-6             | 9/27/2025 7:19   | 9/27/2025 7:39   |
| 795         | 9/28/2025  | T-6             | 9/28/2025 7:20   | 9/28/2025 7:38   |
| 795         | 9/29/2025  | T-6             | 9/29/2025 7:21   | 9/29/2025 7:36   |
| 795         | 9/30/2025  | T-6             | 9/30/2025 7:22   | 9/30/2025 7:35   |
| 795         | 10/1/2025  | T-6             | 10/1/2025 7:23   | 10/1/2025 7:33   |
| 795         | 10/2/2025  | T-6             | 10/2/2025 7:24   | 10/2/2025 7:30   |
| 795         | 10/3/2025  | T-6             | 10/3/2025 7:25   | 10/3/2025 7:26   |
| 795         | 10/11/2025 | T-2             | 10/11/2025 17:13 | 10/11/2025 17:24 |
| 795         | 10/12/2025 | T-2             | 10/12/2025 17:08 | 10/12/2025 17:28 |
| 795         | 10/13/2025 | T-2             | 10/13/2025 17:04 | 10/13/2025 17:30 |
| 795         | 10/14/2025 | T-2             | 10/14/2025 17:02 | 10/14/2025 17:32 |
| 795         | 10/15/2025 | T-2             | 10/15/2025 16:59 | 10/15/2025 17:33 |
| 795         | 10/16/2025 | T-2             | 10/16/2025 16:58 | 10/16/2025 17:35 |
| 795         | 10/17/2025 | T-2             | 10/17/2025 16:56 | 10/17/2025 17:36 |
| 795         | 10/18/2025 | T-2             | 10/18/2025 16:55 | 10/18/2025 17:37 |
| 795         | 10/19/2025 | T-2             | 10/19/2025 16:53 | 10/19/2025 17:37 |
| 795         | 10/20/2025 | T-2             | 10/20/2025 16:53 | 10/20/2025 17:38 |
| 795         | 10/21/2025 | T-2             | 10/21/2025 16:52 | 10/21/2025 17:39 |
| 795         | 10/22/2025 | T-2             | 10/22/2025 16:51 | 10/22/2025 17:39 |
| 795         | 10/23/2025 | T-2             | 10/23/2025 16:51 | 10/23/2025 17:40 |
| 795         | 10/24/2025 | T-2             | 10/24/2025 16:50 | 10/24/2025 17:40 |
| 795         | 10/25/2025 | T-2             | 10/25/2025 16:49 | 10/25/2025 17:40 |
| 795         | 10/26/2025 | T-2             | 10/26/2025 16:49 | 10/26/2025 17:39 |
| 795         | 10/27/2025 | T-2             | 10/27/2025 16:49 | 10/27/2025 17:40 |
| 795         | 10/28/2025 | T-2             | 10/28/2025 16:48 | 10/28/2025 17:40 |
| 795         | 10/29/2025 | T-2             | 10/29/2025 16:48 | 10/29/2025 17:39 |
| 795         | 10/30/2025 | T-2             | 10/30/2025 16:49 | 10/30/2025 17:40 |
| 795         | 10/31/2025 | T-2             | 10/31/2025 16:49 | 10/31/2025 17:38 |
| 795         | 11/1/2025  | T-2             | 11/1/2025 16:48  | 11/1/2025 17:36  |
| 795         | 11/2/2025  | T-2             | 11/2/2025 15:49  | 11/2/2025 16:35  |
| 795         | 11/3/2025  | T-2             | 11/3/2025 15:49  | 11/3/2025 16:34  |
| 795         | 11/4/2025  | T-2             | 11/4/2025 15:50  | 11/4/2025 16:33  |
| 795         | 11/5/2025  | T-2             | 11/5/2025 15:51  | 11/5/2025 16:31  |
| 795         | 11/6/2025  | T-2             | 11/6/2025 15:51  | 11/6/2025 16:30  |
| 795         | 11/7/2025  | T-7             | 11/7/2025 7:54   | 11/7/2025 8:07   |
| 795         | 11/7/2025  | T-2             | 11/7/2025 15:52  | 11/7/2025 16:29  |
| 795         | 11/8/2025  | T-7             | 11/8/2025 7:50   | 11/8/2025 8:09   |
| 795         | 11/8/2025  | T-2             | 11/8/2025 15:53  | 11/8/2025 16:28  |
| 795         | 11/9/2025  | T-7             | 11/9/2025 7:48   | 11/9/2025 8:11   |
| 795         | 11/9/2025  | T-2             | 11/9/2025 15:53  | 11/9/2025 16:26  |
| 795         | 11/10/2025 | T-7             | 11/10/2025 7:47  | 11/10/2025 8:13  |
| 795         | 11/10/2025 | T-2             | 11/10/2025 15:55 | 11/10/2025 16:26 |
| 795         | 11/11/2025 | T-7             | 11/11/2025 7:46  | 11/11/2025 8:15  |
| 795         | 11/11/2025 | T-2             | 11/11/2025 15:56 | 11/11/2025 16:24 |
| 795         | 11/12/2025 | T-7             | 11/12/2025 7:45  | 11/12/2025 8:15  |
| 795         | 11/12/2025 | T-2             | 11/12/2025 15:57 | 11/12/2025 16:23 |
| 795         | 11/13/2025 | T-7             | 11/13/2025 7:44  | 11/13/2025 8:17  |
| 795         | 11/13/2025 | T-2             | 11/13/2025 15:59 | 11/13/2025 16:22 |

| Receptor ID | Date       | Wind Turbine ID | From             | To               |
|-------------|------------|-----------------|------------------|------------------|
| 795         | 11/14/2025 | T-7             | 11/14/2025 7:44  | 11/14/2025 8:18  |
| 795         | 11/14/2025 | T-2             | 11/14/2025 16:00 | 11/14/2025 16:21 |
| 795         | 11/15/2025 | T-7             | 11/15/2025 7:44  | 11/15/2025 8:19  |
| 795         | 11/15/2025 | T-2             | 11/15/2025 16:03 | 11/15/2025 16:20 |
| 795         | 11/16/2025 | T-7             | 11/16/2025 7:43  | 11/16/2025 8:20  |
| 795         | 11/16/2025 | T-2             | 11/16/2025 16:04 | 11/16/2025 16:19 |
| 795         | 11/17/2025 | T-7             | 11/17/2025 7:42  | 11/17/2025 8:20  |
| 795         | 11/17/2025 | T-2             | 11/17/2025 16:07 | 11/17/2025 16:18 |
| 795         | 11/18/2025 | T-7             | 11/18/2025 7:43  | 11/18/2025 8:22  |
| 795         | 11/18/2025 | T-2             | 11/18/2025 16:11 | 11/18/2025 16:18 |
| 795         | 11/19/2025 | T-7             | 11/19/2025 7:42  | 11/19/2025 8:22  |
| 795         | 11/20/2025 | T-7             | 11/20/2025 7:42  | 11/20/2025 8:22  |
| 795         | 11/21/2025 | T-7             | 11/21/2025 7:42  | 11/21/2025 8:22  |
| 795         | 11/22/2025 | T-7             | 11/22/2025 7:43  | 11/22/2025 8:23  |
| 795         | 11/23/2025 | T-7             | 11/23/2025 7:42  | 11/23/2025 8:23  |
| 795         | 11/24/2025 | T-7             | 11/24/2025 7:42  | 11/24/2025 8:24  |
| 795         | 11/25/2025 | T-7             | 11/25/2025 7:43  | 11/25/2025 8:25  |
| 795         | 11/26/2025 | T-7             | 11/26/2025 7:43  | 11/26/2025 8:25  |
| 795         | 11/27/2025 | T-7             | 11/27/2025 7:44  | 11/27/2025 8:25  |
| 795         | 11/28/2025 | T-7             | 11/28/2025 7:44  | 11/28/2025 8:25  |
| 795         | 11/29/2025 | T-7             | 11/29/2025 7:44  | 11/29/2025 8:25  |
| 795         | 11/30/2025 | T-7             | 11/30/2025 7:45  | 11/30/2025 8:26  |
| 795         | 12/1/2025  | T-7             | 12/1/2025 7:46   | 12/1/2025 8:26   |
| 795         | 12/2/2025  | T-7             | 12/2/2025 7:46   | 12/2/2025 8:26   |
| 795         | 12/3/2025  | T-7             | 12/3/2025 7:46   | 12/3/2025 8:26   |
| 795         | 12/4/2025  | T-7             | 12/4/2025 7:47   | 12/4/2025 8:26   |
| 795         | 12/5/2025  | T-7             | 12/5/2025 7:47   | 12/5/2025 8:27   |
| 795         | 12/6/2025  | T-7             | 12/6/2025 7:48   | 12/6/2025 8:27   |
| 795         | 12/7/2025  | T-7             | 12/7/2025 7:49   | 12/7/2025 8:27   |
| 795         | 12/8/2025  | T-7             | 12/8/2025 7:49   | 12/8/2025 8:27   |
| 795         | 12/9/2025  | T-7             | 12/9/2025 7:50   | 12/9/2025 8:28   |
| 795         | 12/10/2025 | T-7             | 12/10/2025 7:51  | 12/10/2025 8:28  |
| 795         | 12/11/2025 | T-7             | 12/11/2025 7:51  | 12/11/2025 8:28  |
| 795         | 12/12/2025 | T-7             | 12/12/2025 7:52  | 12/12/2025 8:29  |
| 795         | 12/13/2025 | T-7             | 12/13/2025 7:53  | 12/13/2025 8:29  |
| 795         | 12/14/2025 | T-7             | 12/14/2025 7:53  | 12/14/2025 8:29  |
| 795         | 12/15/2025 | T-7             | 12/15/2025 7:54  | 12/15/2025 8:29  |
| 795         | 12/16/2025 | T-7             | 12/16/2025 7:55  | 12/16/2025 8:30  |
| 795         | 12/17/2025 | T-7             | 12/17/2025 7:55  | 12/17/2025 8:29  |
| 795         | 12/18/2025 | T-7             | 12/18/2025 7:56  | 12/18/2025 8:30  |
| 795         | 12/19/2025 | T-7             | 12/19/2025 7:57  | 12/19/2025 8:31  |
| 795         | 12/20/2025 | T-7             | 12/20/2025 7:57  | 12/20/2025 8:31  |
| 795         | 12/21/2025 | T-7             | 12/21/2025 7:58  | 12/21/2025 8:32  |
| 795         | 12/22/2025 | T-7             | 12/22/2025 7:58  | 12/22/2025 8:32  |
| 795         | 12/23/2025 | T-7             | 12/23/2025 7:59  | 12/23/2025 8:33  |
| 795         | 12/24/2025 | T-7             | 12/24/2025 7:59  | 12/24/2025 8:33  |
| 795         | 12/25/2025 | T-7             | 12/25/2025 7:59  | 12/25/2025 8:33  |
| 795         | 12/26/2025 | T-7             | 12/26/2025 8:00  | 12/26/2025 8:34  |
| 795         | 12/27/2025 | T-7             | 12/27/2025 8:00  | 12/27/2025 8:34  |
| 795         | 12/28/2025 | T-7             | 12/28/2025 8:00  | 12/28/2025 8:35  |

| Receptor ID | Date       | Wind Turbine ID | From            | To              |
|-------------|------------|-----------------|-----------------|-----------------|
| 795         | 12/29/2025 | T-7             | 12/29/2025 8:01 | 12/29/2025 8:36 |
| 795         | 12/30/2025 | T-7             | 12/30/2025 8:01 | 12/30/2025 8:37 |
| 795         | 12/31/2025 | T-7             | 12/31/2025 8:01 | 12/31/2025 8:37 |
| 839         | 4/21/2025  | T-19            | 4/21/2025 6:43  | 4/21/2025 6:54  |
| 839         | 4/22/2025  | T-19            | 4/22/2025 6:39  | 4/22/2025 6:56  |
| 839         | 4/23/2025  | T-21            | 4/23/2025 6:58  | 4/23/2025 7:13  |
| 839         | 4/23/2025  | T-19            | 4/23/2025 6:37  | 4/23/2025 6:58  |
| 839         | 4/24/2025  | T-21            | 4/24/2025 6:53  | 4/24/2025 7:18  |
| 839         | 4/24/2025  | T-19            | 4/24/2025 6:35  | 4/24/2025 6:59  |
| 839         | 4/25/2025  | T-21            | 4/25/2025 6:50  | 4/25/2025 7:21  |
| 839         | 4/25/2025  | T-19            | 4/25/2025 6:34  | 4/25/2025 7:00  |
| 839         | 4/26/2025  | T-21            | 4/26/2025 6:48  | 4/26/2025 7:24  |
| 839         | 4/26/2025  | T-19            | 4/26/2025 6:34  | 4/26/2025 7:02  |
| 839         | 4/27/2025  | T-21            | 4/27/2025 6:45  | 4/27/2025 7:25  |
| 839         | 4/27/2025  | T-19            | 4/27/2025 6:32  | 4/27/2025 7:02  |
| 839         | 4/28/2025  | T-21            | 4/28/2025 6:43  | 4/28/2025 7:27  |
| 839         | 4/28/2025  | T-19            | 4/28/2025 6:32  | 4/28/2025 7:02  |
| 839         | 4/29/2025  | T-21            | 4/29/2025 6:41  | 4/29/2025 7:28  |
| 839         | 4/29/2025  | T-19            | 4/29/2025 6:30  | 4/29/2025 7:02  |
| 839         | 4/30/2025  | T-21            | 4/30/2025 6:40  | 4/30/2025 7:30  |
| 839         | 4/30/2025  | T-19            | 4/30/2025 6:30  | 4/30/2025 7:03  |
| 839         | 5/1/2025   | T-21            | 5/1/2025 6:39   | 5/1/2025 7:31   |
| 839         | 5/1/2025   | T-19            | 5/1/2025 6:30   | 5/1/2025 7:03   |
| 839         | 5/2/2025   | T-21            | 5/2/2025 6:37   | 5/2/2025 7:31   |
| 839         | 5/2/2025   | T-23            | 5/2/2025 19:37  | 5/2/2025 19:43  |
| 839         | 5/2/2025   | T-19            | 5/2/2025 6:29   | 5/2/2025 7:02   |
| 839         | 5/3/2025   | T-21            | 5/3/2025 6:36   | 5/3/2025 7:33   |
| 839         | 5/3/2025   | T-23            | 5/3/2025 19:35  | 5/3/2025 19:44  |
| 839         | 5/3/2025   | T-19            | 5/3/2025 6:30   | 5/3/2025 7:03   |
| 839         | 5/4/2025   | T-21            | 5/4/2025 6:35   | 5/4/2025 7:34   |
| 839         | 5/4/2025   | T-23            | 5/4/2025 19:34  | 5/4/2025 19:45  |
| 839         | 5/4/2025   | T-19            | 5/4/2025 6:30   | 5/4/2025 7:03   |
| 839         | 5/5/2025   | T-21            | 5/5/2025 6:33   | 5/5/2025 7:34   |
| 839         | 5/5/2025   | T-23            | 5/5/2025 19:32  | 5/5/2025 19:46  |
| 839         | 5/5/2025   | T-19            | 5/5/2025 6:29   | 5/5/2025 7:02   |
| 839         | 5/6/2025   | T-21            | 5/6/2025 6:33   | 5/6/2025 7:34   |
| 839         | 5/6/2025   | T-23            | 5/6/2025 19:31  | 5/6/2025 19:47  |
| 839         | 5/6/2025   | T-19            | 5/6/2025 6:29   | 5/6/2025 7:01   |
| 839         | 5/7/2025   | T-21            | 5/7/2025 6:32   | 5/7/2025 7:35   |
| 839         | 5/7/2025   | T-23            | 5/7/2025 19:30  | 5/7/2025 19:48  |
| 839         | 5/7/2025   | T-19            | 5/7/2025 6:30   | 5/7/2025 7:01   |
| 839         | 5/8/2025   | T-21            | 5/8/2025 6:32   | 5/8/2025 7:36   |
| 839         | 5/8/2025   | T-23            | 5/8/2025 19:29  | 5/8/2025 19:49  |
| 839         | 5/8/2025   | T-19            | 5/8/2025 6:30   | 5/8/2025 7:01   |
| 839         | 5/9/2025   | T-21            | 5/9/2025 6:31   | 5/9/2025 7:36   |
| 839         | 5/9/2025   | T-23            | 5/9/2025 19:29  | 5/9/2025 19:51  |
| 839         | 5/9/2025   | T-19            | 5/9/2025 6:31   | 5/9/2025 7:00   |
| 839         | 5/10/2025  | T-21            | 5/10/2025 6:31  | 5/10/2025 7:37  |
| 839         | 5/10/2025  | T-23            | 5/10/2025 19:28 | 5/10/2025 19:52 |
| 839         | 5/10/2025  | T-19            | 5/10/2025 6:32  | 5/10/2025 7:00  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 839         | 5/11/2025 | T-21            | 5/11/2025 6:29  | 5/11/2025 7:36  |
| 839         | 5/11/2025 | T-23            | 5/11/2025 19:27 | 5/11/2025 19:52 |
| 839         | 5/11/2025 | T-19            | 5/11/2025 6:31  | 5/11/2025 6:58  |
| 839         | 5/12/2025 | T-21            | 5/12/2025 6:29  | 5/12/2025 7:37  |
| 839         | 5/12/2025 | T-23            | 5/12/2025 19:27 | 5/12/2025 19:53 |
| 839         | 5/12/2025 | T-19            | 5/12/2025 6:32  | 5/12/2025 6:57  |
| 839         | 5/13/2025 | T-21            | 5/13/2025 6:29  | 5/13/2025 7:37  |
| 839         | 5/13/2025 | T-23            | 5/13/2025 19:27 | 5/13/2025 19:54 |
| 839         | 5/13/2025 | T-19            | 5/13/2025 6:33  | 5/13/2025 6:57  |
| 839         | 5/14/2025 | T-21            | 5/14/2025 6:28  | 5/14/2025 7:37  |
| 839         | 5/14/2025 | T-23            | 5/14/2025 19:26 | 5/14/2025 19:55 |
| 839         | 5/14/2025 | T-19            | 5/14/2025 6:34  | 5/14/2025 6:55  |
| 839         | 5/15/2025 | T-21            | 5/15/2025 6:28  | 5/15/2025 7:38  |
| 839         | 5/15/2025 | T-23            | 5/15/2025 19:26 | 5/15/2025 19:56 |
| 839         | 5/15/2025 | T-19            | 5/15/2025 6:36  | 5/15/2025 6:54  |
| 839         | 5/16/2025 | T-21            | 5/16/2025 6:28  | 5/16/2025 7:38  |
| 839         | 5/16/2025 | T-23            | 5/16/2025 19:26 | 5/16/2025 19:57 |
| 839         | 5/16/2025 | T-19            | 5/16/2025 6:37  | 5/16/2025 6:52  |
| 839         | 5/17/2025 | T-21            | 5/17/2025 6:28  | 5/17/2025 7:38  |
| 839         | 5/17/2025 | T-23            | 5/17/2025 19:26 | 5/17/2025 19:58 |
| 839         | 5/17/2025 | T-19            | 5/17/2025 6:39  | 5/17/2025 6:50  |
| 839         | 5/18/2025 | T-21            | 5/18/2025 6:28  | 5/18/2025 7:39  |
| 839         | 5/18/2025 | T-23            | 5/18/2025 19:27 | 5/18/2025 20:00 |
| 839         | 5/19/2025 | T-21            | 5/19/2025 6:28  | 5/19/2025 7:39  |
| 839         | 5/19/2025 | T-23            | 5/19/2025 19:27 | 5/19/2025 20:01 |
| 839         | 5/20/2025 | T-21            | 5/20/2025 6:28  | 5/20/2025 7:39  |
| 839         | 5/20/2025 | T-23            | 5/20/2025 19:28 | 5/20/2025 20:00 |
| 839         | 5/21/2025 | T-21            | 5/21/2025 6:28  | 5/21/2025 7:39  |
| 839         | 5/21/2025 | T-23            | 5/21/2025 19:28 | 5/21/2025 20:00 |
| 839         | 5/22/2025 | T-21            | 5/22/2025 6:28  | 5/22/2025 7:38  |
| 839         | 5/22/2025 | T-23            | 5/22/2025 19:28 | 5/22/2025 20:00 |
| 839         | 5/23/2025 | T-21            | 5/23/2025 6:27  | 5/23/2025 7:38  |
| 839         | 5/23/2025 | T-23            | 5/23/2025 19:28 | 5/23/2025 19:59 |
| 839         | 5/24/2025 | T-21            | 5/24/2025 6:28  | 5/24/2025 7:39  |
| 839         | 5/24/2025 | T-23            | 5/24/2025 19:29 | 5/24/2025 20:00 |
| 839         | 5/25/2025 | T-21            | 5/25/2025 6:28  | 5/25/2025 7:39  |
| 839         | 5/25/2025 | T-23            | 5/25/2025 19:29 | 5/25/2025 19:59 |
| 839         | 5/26/2025 | T-21            | 5/26/2025 6:28  | 5/26/2025 7:38  |
| 839         | 5/26/2025 | T-23            | 5/26/2025 19:30 | 5/26/2025 19:58 |
| 839         | 5/27/2025 | T-21            | 5/27/2025 6:28  | 5/27/2025 7:39  |
| 839         | 5/27/2025 | T-23            | 5/27/2025 19:31 | 5/27/2025 19:59 |
| 839         | 5/28/2025 | T-21            | 5/28/2025 6:28  | 5/28/2025 7:39  |
| 839         | 5/28/2025 | T-23            | 5/28/2025 19:31 | 5/28/2025 19:58 |
| 839         | 5/29/2025 | T-21            | 5/29/2025 6:29  | 5/29/2025 7:39  |
| 839         | 5/29/2025 | T-23            | 5/29/2025 19:32 | 5/29/2025 19:58 |
| 839         | 5/30/2025 | T-21            | 5/30/2025 6:29  | 5/30/2025 7:39  |
| 839         | 5/30/2025 | T-23            | 5/30/2025 19:33 | 5/30/2025 19:57 |
| 839         | 5/31/2025 | T-21            | 5/31/2025 6:28  | 5/31/2025 7:38  |
| 839         | 5/31/2025 | T-23            | 5/31/2025 19:33 | 5/31/2025 19:56 |
| 839         | 6/1/2025  | T-21            | 6/1/2025 6:29   | 6/1/2025 7:39   |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 839         | 6/1/2025  | T-23            | 6/1/2025 19:34 | 6/1/2025 19:56 |
| 839         | 6/2/2025  | T-21            | 6/2/2025 6:30  | 6/2/2025 7:39  |
| 839         | 6/2/2025  | T-23            | 6/2/2025 19:36 | 6/2/2025 19:56 |
| 839         | 6/3/2025  | T-21            | 6/3/2025 6:29  | 6/3/2025 7:39  |
| 839         | 6/3/2025  | T-23            | 6/3/2025 19:36 | 6/3/2025 19:55 |
| 839         | 6/4/2025  | T-21            | 6/4/2025 6:30  | 6/4/2025 7:39  |
| 839         | 6/4/2025  | T-23            | 6/4/2025 19:37 | 6/4/2025 19:54 |
| 839         | 6/5/2025  | T-21            | 6/5/2025 6:30  | 6/5/2025 7:39  |
| 839         | 6/5/2025  | T-23            | 6/5/2025 19:38 | 6/5/2025 19:53 |
| 839         | 6/6/2025  | T-21            | 6/6/2025 6:30  | 6/6/2025 7:39  |
| 839         | 6/6/2025  | T-23            | 6/6/2025 19:39 | 6/6/2025 19:53 |
| 839         | 6/7/2025  | T-21            | 6/7/2025 6:31  | 6/7/2025 7:39  |
| 839         | 6/7/2025  | T-23            | 6/7/2025 19:41 | 6/7/2025 19:52 |
| 839         | 6/8/2025  | T-21            | 6/8/2025 6:31  | 6/8/2025 7:39  |
| 839         | 6/8/2025  | T-23            | 6/8/2025 19:42 | 6/8/2025 19:51 |
| 839         | 6/9/2025  | T-21            | 6/9/2025 6:31  | 6/9/2025 7:39  |
| 839         | 6/9/2025  | T-23            | 6/9/2025 19:44 | 6/9/2025 19:49 |
| 839         | 6/10/2025 | T-21            | 6/10/2025 6:31 | 6/10/2025 7:39 |
| 839         | 6/11/2025 | T-21            | 6/11/2025 6:32 | 6/11/2025 7:39 |
| 839         | 6/12/2025 | T-21            | 6/12/2025 6:32 | 6/12/2025 7:39 |
| 839         | 6/13/2025 | T-21            | 6/13/2025 6:32 | 6/13/2025 7:40 |
| 839         | 6/14/2025 | T-21            | 6/14/2025 6:33 | 6/14/2025 7:40 |
| 839         | 6/15/2025 | T-21            | 6/15/2025 6:33 | 6/15/2025 7:40 |
| 839         | 6/16/2025 | T-21            | 6/16/2025 6:33 | 6/16/2025 7:40 |
| 839         | 6/17/2025 | T-21            | 6/17/2025 6:33 | 6/17/2025 7:40 |
| 839         | 6/18/2025 | T-21            | 6/18/2025 6:33 | 6/18/2025 7:40 |
| 839         | 6/19/2025 | T-21            | 6/19/2025 6:34 | 6/19/2025 7:40 |
| 839         | 6/20/2025 | T-21            | 6/20/2025 6:34 | 6/20/2025 7:40 |
| 839         | 6/21/2025 | T-21            | 6/21/2025 6:35 | 6/21/2025 7:41 |
| 839         | 6/22/2025 | T-21            | 6/22/2025 6:35 | 6/22/2025 7:41 |
| 839         | 6/23/2025 | T-21            | 6/23/2025 6:35 | 6/23/2025 7:41 |
| 839         | 6/24/2025 | T-21            | 6/24/2025 6:35 | 6/24/2025 7:41 |
| 839         | 6/25/2025 | T-21            | 6/25/2025 6:35 | 6/25/2025 7:42 |
| 839         | 6/26/2025 | T-21            | 6/26/2025 6:35 | 6/26/2025 7:42 |
| 839         | 6/27/2025 | T-21            | 6/27/2025 6:35 | 6/27/2025 7:42 |
| 839         | 6/28/2025 | T-21            | 6/28/2025 6:36 | 6/28/2025 7:43 |
| 839         | 6/29/2025 | T-21            | 6/29/2025 6:36 | 6/29/2025 7:43 |
| 839         | 6/30/2025 | T-21            | 6/30/2025 6:36 | 6/30/2025 7:44 |
| 839         | 7/1/2025  | T-21            | 7/1/2025 6:36  | 7/1/2025 7:43  |
| 839         | 7/2/2025  | T-21            | 7/2/2025 6:36  | 7/2/2025 7:44  |
| 839         | 7/3/2025  | T-21            | 7/3/2025 6:36  | 7/3/2025 7:44  |
| 839         | 7/4/2025  | T-21            | 7/4/2025 6:37  | 7/4/2025 7:45  |
| 839         | 7/4/2025  | T-23            | 7/4/2025 19:50 | 7/4/2025 19:55 |
| 839         | 7/5/2025  | T-21            | 7/5/2025 6:36  | 7/5/2025 7:44  |
| 839         | 7/5/2025  | T-23            | 7/5/2025 19:47 | 7/5/2025 19:56 |
| 839         | 7/6/2025  | T-21            | 7/6/2025 6:37  | 7/6/2025 7:45  |
| 839         | 7/6/2025  | T-23            | 7/6/2025 19:47 | 7/6/2025 19:58 |
| 839         | 7/7/2025  | T-21            | 7/7/2025 6:37  | 7/7/2025 7:46  |
| 839         | 7/7/2025  | T-23            | 7/7/2025 19:46 | 7/7/2025 20:00 |
| 839         | 7/8/2025  | T-21            | 7/8/2025 6:37  | 7/8/2025 7:46  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 839         | 7/8/2025  | T-23            | 7/8/2025 19:45  | 7/8/2025 20:00  |
| 839         | 7/9/2025  | T-21            | 7/9/2025 6:37   | 7/9/2025 7:46   |
| 839         | 7/9/2025  | T-23            | 7/9/2025 19:44  | 7/9/2025 20:01  |
| 839         | 7/10/2025 | T-21            | 7/10/2025 6:37  | 7/10/2025 7:47  |
| 839         | 7/10/2025 | T-23            | 7/10/2025 19:44 | 7/10/2025 20:03 |
| 839         | 7/11/2025 | T-21            | 7/11/2025 6:37  | 7/11/2025 7:46  |
| 839         | 7/11/2025 | T-23            | 7/11/2025 19:43 | 7/11/2025 20:03 |
| 839         | 7/12/2025 | T-21            | 7/12/2025 6:37  | 7/12/2025 7:47  |
| 839         | 7/12/2025 | T-23            | 7/12/2025 19:42 | 7/12/2025 20:04 |
| 839         | 7/13/2025 | T-21            | 7/13/2025 6:37  | 7/13/2025 7:47  |
| 839         | 7/13/2025 | T-23            | 7/13/2025 19:42 | 7/13/2025 20:05 |
| 839         | 7/14/2025 | T-21            | 7/14/2025 6:37  | 7/14/2025 7:47  |
| 839         | 7/14/2025 | T-23            | 7/14/2025 19:41 | 7/14/2025 20:05 |
| 839         | 7/15/2025 | T-21            | 7/15/2025 6:37  | 7/15/2025 7:47  |
| 839         | 7/15/2025 | T-23            | 7/15/2025 19:40 | 7/15/2025 20:06 |
| 839         | 7/16/2025 | T-21            | 7/16/2025 6:37  | 7/16/2025 7:48  |
| 839         | 7/16/2025 | T-23            | 7/16/2025 19:40 | 7/16/2025 20:07 |
| 839         | 7/17/2025 | T-21            | 7/17/2025 6:37  | 7/17/2025 7:48  |
| 839         | 7/17/2025 | T-23            | 7/17/2025 19:40 | 7/17/2025 20:08 |
| 839         | 7/18/2025 | T-21            | 7/18/2025 6:38  | 7/18/2025 7:49  |
| 839         | 7/18/2025 | T-23            | 7/18/2025 19:40 | 7/18/2025 20:08 |
| 839         | 7/19/2025 | T-21            | 7/19/2025 6:38  | 7/19/2025 7:49  |
| 839         | 7/19/2025 | T-23            | 7/19/2025 19:39 | 7/19/2025 20:09 |
| 839         | 7/20/2025 | T-21            | 7/20/2025 6:37  | 7/20/2025 7:48  |
| 839         | 7/20/2025 | T-23            | 7/20/2025 19:38 | 7/20/2025 20:09 |
| 839         | 7/21/2025 | T-21            | 7/21/2025 6:37  | 7/21/2025 7:48  |
| 839         | 7/21/2025 | T-23            | 7/21/2025 19:38 | 7/21/2025 20:09 |
| 839         | 7/22/2025 | T-21            | 7/22/2025 6:38  | 7/22/2025 7:49  |
| 839         | 7/22/2025 | T-23            | 7/22/2025 19:38 | 7/22/2025 20:10 |
| 839         | 7/23/2025 | T-21            | 7/23/2025 6:38  | 7/23/2025 7:49  |
| 839         | 7/23/2025 | T-23            | 7/23/2025 19:38 | 7/23/2025 20:10 |
| 839         | 7/24/2025 | T-21            | 7/24/2025 6:38  | 7/24/2025 7:49  |
| 839         | 7/24/2025 | T-23            | 7/24/2025 19:38 | 7/24/2025 20:10 |
| 839         | 7/25/2025 | T-21            | 7/25/2025 6:38  | 7/25/2025 7:49  |
| 839         | 7/25/2025 | T-23            | 7/25/2025 19:38 | 7/25/2025 20:11 |
| 839         | 7/26/2025 | T-21            | 7/26/2025 6:38  | 7/26/2025 7:49  |
| 839         | 7/26/2025 | T-23            | 7/26/2025 19:38 | 7/26/2025 20:10 |
| 839         | 7/27/2025 | T-21            | 7/27/2025 6:39  | 7/27/2025 7:49  |
| 839         | 7/27/2025 | T-23            | 7/27/2025 19:38 | 7/27/2025 20:09 |
| 839         | 7/27/2025 | T-19            | 7/27/2025 6:51  | 7/27/2025 7:01  |
| 839         | 7/28/2025 | T-21            | 7/28/2025 6:39  | 7/28/2025 7:49  |
| 839         | 7/28/2025 | T-23            | 7/28/2025 19:38 | 7/28/2025 20:08 |
| 839         | 7/28/2025 | T-19            | 7/28/2025 6:49  | 7/28/2025 7:03  |
| 839         | 7/29/2025 | T-21            | 7/29/2025 6:39  | 7/29/2025 7:49  |
| 839         | 7/29/2025 | T-23            | 7/29/2025 19:38 | 7/29/2025 20:07 |
| 839         | 7/29/2025 | T-19            | 7/29/2025 6:47  | 7/29/2025 7:05  |
| 839         | 7/30/2025 | T-21            | 7/30/2025 6:40  | 7/30/2025 7:49  |
| 839         | 7/30/2025 | T-23            | 7/30/2025 19:38 | 7/30/2025 20:06 |
| 839         | 7/30/2025 | T-19            | 7/30/2025 6:46  | 7/30/2025 7:06  |
| 839         | 7/31/2025 | T-21            | 7/31/2025 6:40  | 7/31/2025 7:48  |

| Receptor ID | Date      | Wind Turbine ID | From            | To              |
|-------------|-----------|-----------------|-----------------|-----------------|
| 839         | 7/31/2025 | T-23            | 7/31/2025 19:38 | 7/31/2025 20:05 |
| 839         | 7/31/2025 | T-19            | 7/31/2025 6:45  | 7/31/2025 7:08  |
| 839         | 8/1/2025  | T-21            | 8/1/2025 6:40   | 8/1/2025 7:48   |
| 839         | 8/1/2025  | T-23            | 8/1/2025 19:38  | 8/1/2025 20:04  |
| 839         | 8/1/2025  | T-19            | 8/1/2025 6:44   | 8/1/2025 7:08   |
| 839         | 8/2/2025  | T-21            | 8/2/2025 6:41   | 8/2/2025 7:48   |
| 839         | 8/2/2025  | T-23            | 8/2/2025 19:38  | 8/2/2025 20:03  |
| 839         | 8/2/2025  | T-19            | 8/2/2025 6:43   | 8/2/2025 7:09   |
| 839         | 8/3/2025  | T-21            | 8/3/2025 6:41   | 8/3/2025 7:47   |
| 839         | 8/3/2025  | T-23            | 8/3/2025 19:38  | 8/3/2025 20:02  |
| 839         | 8/3/2025  | T-19            | 8/3/2025 6:42   | 8/3/2025 7:10   |
| 839         | 8/4/2025  | T-21            | 8/4/2025 6:41   | 8/4/2025 7:47   |
| 839         | 8/4/2025  | T-23            | 8/4/2025 19:39  | 8/4/2025 20:01  |
| 839         | 8/4/2025  | T-19            | 8/4/2025 6:41   | 8/4/2025 7:11   |
| 839         | 8/5/2025  | T-21            | 8/5/2025 6:42   | 8/5/2025 7:46   |
| 839         | 8/5/2025  | T-23            | 8/5/2025 19:39  | 8/5/2025 20:00  |
| 839         | 8/5/2025  | T-19            | 8/5/2025 6:41   | 8/5/2025 7:11   |
| 839         | 8/6/2025  | T-21            | 8/6/2025 6:42   | 8/6/2025 7:46   |
| 839         | 8/6/2025  | T-23            | 8/6/2025 19:40  | 8/6/2025 19:59  |
| 839         | 8/6/2025  | T-19            | 8/6/2025 6:40   | 8/6/2025 7:11   |
| 839         | 8/7/2025  | T-21            | 8/7/2025 6:43   | 8/7/2025 7:45   |
| 839         | 8/7/2025  | T-23            | 8/7/2025 19:41  | 8/7/2025 19:58  |
| 839         | 8/7/2025  | T-19            | 8/7/2025 6:40   | 8/7/2025 7:12   |
| 839         | 8/8/2025  | T-21            | 8/8/2025 6:43   | 8/8/2025 7:44   |
| 839         | 8/8/2025  | T-23            | 8/8/2025 19:42  | 8/8/2025 19:56  |
| 839         | 8/8/2025  | T-19            | 8/8/2025 6:39   | 8/8/2025 7:12   |
| 839         | 8/9/2025  | T-21            | 8/9/2025 6:44   | 8/9/2025 7:43   |
| 839         | 8/9/2025  | T-23            | 8/9/2025 19:43  | 8/9/2025 19:55  |
| 839         | 8/9/2025  | T-19            | 8/9/2025 6:39   | 8/9/2025 7:12   |
| 839         | 8/10/2025 | T-21            | 8/10/2025 6:45  | 8/10/2025 7:42  |
| 839         | 8/10/2025 | T-23            | 8/10/2025 19:44 | 8/10/2025 19:54 |
| 839         | 8/10/2025 | T-19            | 8/10/2025 6:39  | 8/10/2025 7:12  |
| 839         | 8/11/2025 | T-21            | 8/11/2025 6:46  | 8/11/2025 7:41  |
| 839         | 8/11/2025 | T-23            | 8/11/2025 19:46 | 8/11/2025 19:52 |
| 839         | 8/11/2025 | T-19            | 8/11/2025 6:39  | 8/11/2025 7:12  |
| 839         | 8/12/2025 | T-21            | 8/12/2025 6:47  | 8/12/2025 7:40  |
| 839         | 8/12/2025 | T-23            | 8/12/2025 19:49 | 8/12/2025 19:51 |
| 839         | 8/12/2025 | T-19            | 8/12/2025 6:39  | 8/12/2025 7:11  |
| 839         | 8/13/2025 | T-21            | 8/13/2025 6:48  | 8/13/2025 7:38  |
| 839         | 8/13/2025 | T-19            | 8/13/2025 6:39  | 8/13/2025 7:11  |
| 839         | 8/14/2025 | T-21            | 8/14/2025 6:49  | 8/14/2025 7:37  |
| 839         | 8/14/2025 | T-19            | 8/14/2025 6:39  | 8/14/2025 7:11  |
| 839         | 8/15/2025 | T-21            | 8/15/2025 6:50  | 8/15/2025 7:35  |
| 839         | 8/15/2025 | T-19            | 8/15/2025 6:39  | 8/15/2025 7:10  |
| 839         | 8/16/2025 | T-21            | 8/16/2025 6:52  | 8/16/2025 7:33  |
| 839         | 8/16/2025 | T-19            | 8/16/2025 6:39  | 8/16/2025 7:09  |
| 839         | 8/17/2025 | T-21            | 8/17/2025 6:53  | 8/17/2025 7:31  |
| 839         | 8/17/2025 | T-19            | 8/17/2025 6:40  | 8/17/2025 7:08  |
| 839         | 8/18/2025 | T-21            | 8/18/2025 6:55  | 8/18/2025 7:28  |
| 839         | 8/18/2025 | T-19            | 8/18/2025 6:40  | 8/18/2025 7:07  |

| Receptor ID | Date      | Wind Turbine ID | From           | To             |
|-------------|-----------|-----------------|----------------|----------------|
| 839         | 8/19/2025 | T-21            | 8/19/2025 6:58 | 8/19/2025 7:25 |
| 839         | 8/19/2025 | T-19            | 8/19/2025 6:41 | 8/19/2025 7:06 |
| 839         | 8/20/2025 | T-21            | 8/20/2025 7:02 | 8/20/2025 7:21 |
| 839         | 8/20/2025 | T-19            | 8/20/2025 6:42 | 8/20/2025 7:04 |
| 839         | 8/21/2025 | T-19            | 8/21/2025 6:44 | 8/21/2025 7:02 |
| 839         | 8/22/2025 | T-19            | 8/22/2025 6:46 | 8/22/2025 7:00 |
| 839         | 8/23/2025 | T-19            | 8/23/2025 6:50 | 8/23/2025 6:55 |