Addendum to Permit Modification Request #3 - Revision 1

Morris Ridge Solar Energy Center

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Matter Number 21-00025

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Contents

General Information 1
Exhibit 5. Design Drawings 1
Exhibit 6. Public Health, Safety, and Security 1
Exhibit 10. Geology, Seismology and Soils 1
Exhibit 13. Water Resources and Aquatic Ecology 1
Exhibit 15. Agricultural Resources 2
Exhibit 16. Effect on Transportation 4

LIST OF TABLES

Table 1. Locations of Private Water Wells Relative to Project Components 2
Table 6 – Revision 1. Impacts to Agricultural Areas 3

LIST OF ATTACHMENTS

Appendix CC. Civil Design Drawings for Substation and Switchyard Construction_Sheet MRSS-D-P001-4 - Revision 1
Appendix W. Civil Design Drawings for Solar Facilities Construction_Sheet MRSP-SGO-G-GNR0-0001 - Revision 1
Attachment E. Emergency Action Plan - Revision 1
Attachment F. Horizontal Directional Drilling Risk Assessment
Attachment G. Route Evaluation Study Supplement

LIST OF FIGURES

Figure 1-1. Layout Comparison – Revision 1
Figure 13-1. Groundwater Wells – Revision 1 [CONFIDENTIAL/REDACTED]
Figure 15-1. Mineral Soil Groups – Revision 1
Figure 15-2. Impacts to Active Agricultural Areas

General Information

Note 1: A revised version of Figure 1-1 is attached. This figure depicts the differences between the permitted layout and the proposed layout at a finer resolution and clearly shows changes to access roads and other proposed layout changes.

Note 2: The Permitted Facility's limits of disturbance (LOD) total 1,124.8 acres; the LOD of the Proposed Facility totals 1,128.7 acres, a roughly 0.36% increase in the total impacted area. These changes in the LOD account for minor updates made to minimize impacts to environmentally sensitive areas and appropriately site Facility components and erosion and sediment control (E&SC) best management practices (BMPs).

The area within the Permitted Facility's permanent security fence is 958.7 acres; the area within the Proposed Facility's permanent security fence is 870.9 acres, a 9.84% decrease in the overall fenced area.

No changes to the Facility Site were proposed in Permit Modification Request 3.

Exhibit 5. Design Drawings

Note 1: Sheet MRSP-SGO-G-GNR0-0001 in Appendix W (Civil Design Drawings for Solar Facilities Construction) and Sheet MRSS-D-P001-4 in Appendix CC (Civil Design Drawings for Substation and Switchyard Construction) have been updated to include this general note. These revised drawing sheets are included in this submission.

Exhibit 6. Public Health, Safety, and Security

Note 1: An updated Emergency Action Plan for the Facility providing the information requested is included as Attachment E. Emergency Action Plan - Revision 1, including an updated map of the new layout and a description of consultations with local emergency manager (see Section 6 in Attachment E). Appendix C to the Emergency Action Plan provide street addresses for the Facility access points.

Exhibit 10. Geology, Seismology and Soils

Note 1: An HDD Risk Assessment Memo is attached that evaluates the site suitability for the proposed HDD locations and potential for adverse impacts to occur as a result of implementation of the proposed HDDs (Attachment F). As indicated in the HDD Risk Assessment Memo, HDD is a suitable cable installation method for this Facility and potential risks associated with this installation method can be avoided, minimized, and mitigated by complying with state law on utility mark-out, coordinating with utility owners, and following the Inadvertent Return Flow Plan and HDD details prepared and submitted by the Permittee as part of Compliance Filing Package III.

Exhibit 13. Water Resources and Aquatic Ecology

Note 1: A revised Figure 13-1 is attached that shows the proposed HDD locations.

Note 2: Table 1 below summarizes the number of public wells found in proximity to the Facility components identified in §900-2.14(a)(2)(i) through (iv). As outlined in the original Article 10 Application, no public drinking water supply wells or aquifer protection zones are located within or immediately adjacent to the Facility, and the size of the Facility Site has only been reduced since the filing of the original Article 10 Application (i.e., no public water supply wells or aquifer protection zones are newly within or have been removed from the criteria in §900-2.14(a)(2)(i) through (iv).[1] One consolidated aquifer is located within the Facility; however, this aquifer was identified and analyzed in the original Application and is not newly within the criteria in §900-2.14(a)(2)(i) through (iv). That said, it is important to note that these criteria are only applicable to water supply wells or water supply intakes. Quantifying the proximity of well head or aquifer protection zones and groundwater aquifers to a Facility's collection lines, access roads, etc., is not a requirement of the regulations.

Note 3: Table 1 below shows the number of domestic water supply wells identified within 100 feet of access roads and collection lines, 200-feet from PV Array Areas, and 500-feet from HDD locations, as proposed within the original Article 10 Application, Permit Modification Request #2, and as currently proposed in Permit Modification Request #3. As shown, Facility components have not moved materially closer to known, active private water supply wells. Although a greater number of wells are located closer to proposed HDD locations, this is principally due to the fact that the Applicant is proposing to utilize HDD at several additional crossings to avoid impacts to wetlands and streams.

Table 1. Locations of Private Water Wells Relative to Project Components

Filing	100 feet from Access Roads/Collection Lines	200 feet from PV Array Areas	500 from HDD Locations
Article 10 Application	4 wells, nearest is 70 feet	1 well at approx. 162 feet	3 wells, nearest is 284 feet
Permit Modification Request #2	2 wells, nearest is 85 feet	1 well at approx. 156 feet	2 wells, nearest is 363 feet
Permit Modification Request #3	1 well at approx. 84 feet	1 well at approx. 168 feet	4 wells, nearest is 292 feet

Exhibit 15. Agricultural Resources

Note 1: No changes to the Facility Site are proposed. See Note 2 in the General Information section for a discussion of the changes proposed to the limits of disturbance (LOD).

Note 2: Table 6 has been revised to show active agricultural land acreages and MSGs 1-4 within the 5-mile Study Area, Facility Site, and LOD, as well as the various impact categories for areas within the LOD.[2] The footnotes to Table 6 have been revised to clearly define the various impact types.

As outlined in this table and as evaluated in the original Article 10 Application, Permit Modification Request #2, and Permit Modification Request #3, the Facility would impact only a small fraction of the

[1] Note: these criteria are only applicable to water supply wells or water supply intakes. Quantifying the proximity of well head or aquifer protection zones and groundwater aquifers to the criteria in §900-2.14(a)(2)(i) through (iv) is not a requirement of the regulations.
[2] Note: this information was previously shown in Table 5 of Permit Modification Request #3.

agricultural land within the study area and impacts to active agricultural land, including active agricultural lands located in Mineral Soil Groups 1-4 would be avoided, minimized, and mitigated to the greatest extent practicable through compliance with the New York State Department of Agriculture and Markets Guidelines for Solar Energy Projects (NYSAGM Guidelines).

Table 6 – Revision 1. Impacts to Agricultural Areas

Group	5-Mile Study Area (Acres)	Facility Site (Acres)	Limit of Disturbance (Acres)		
			Temporary Impact[1]	Long-Term Conversion[2]	Permanent Impact[3]
Land Use					
Active Row Crops	n/a	1,636	51.7	983.1	24.6
Active Field Crops		281	24.0	-	-
Fallow Field		223	10.1	-	-
Pasturelands		64	5.5	-	-
Total	**46,757**	**2,209**	**91.3**	**983.1**	**24.6**
Mineral Soil Groups 1-4					
Group 1	909	3	-	-	-
Group 2	9,429	<1	-	-	-
Group 3	12,281	65	0.5	14.3	<0.1
Group 4	11,774	518	6.1	228.1	5.1
Total	**34,393**	**586**	**6.6**	**242.4**	**5.1**

[1] Areas that will be cleared, graded, or otherwise impacted during Facility construction and will be restored and allowed to return to agricultural use, where applicable.
[2] Areas that will be cleared, graded, or otherwise impacted during Facility construction, restored, and maintained as early successional communities during Facility operation. Conversion of active row croplands to perennial early successional communities, such as those that will be maintained under PV arrays, is expected to result in a net benefit to soil resources.
[3] Areas that will be permanently converted to built facilities (e.g., access roads, concrete pads) during construction and operation of the Facility.

Note 3: Active agricultural areas to be impacted are shown in Figure 15-2, which is attached to this addendum.

Note 4: Figure 15-1 has been revised to show the LOD, this updated figure is attached to this addendum.

Note 5: EDFR has consulted multiple agricultural specialists on the optimized PV layout design and has spent the past 9 months researching and obtaining pricing for water wells, water lines, fencing and necessary requirements for sheep grazing. EDFR is currently contacting interested grazers to obtain more detailed pricing for vegetative management, including infrastructure needed, sheep herd availability, clean up mowing, and supplemental mechanical vegetation management based on the optimized PV design. The Permittee will share updated versions of any proposed Agricultural Co-utilization Plan as soon as they become available. It is anticipated that agricultural co-utilization will be phased in after construction is completed. Time will be needed for vegetation establishment, invasive/nuisance species control, and the installation of any supporting infrastructure (e.g., wells) after restoration practices are completed. Detailed grazing plans will need to be finalized based on herd and grazer availability and some time may be needed to scale up the proposed agricultural co-utilization practices.

Exhibit 16. Effect on Transportation

Note 1: An updated routing map is provided in Appendix V to Compliance Filing Package II.

Note 2: Supplemental traffic study materials that provide an evaluation of the sight distances and horizontal and vertical curvatures of the proposed access road driveway entrances are provided in the attached Route Evaluation Study Supplement (Attachment F). Additional information on the driveway entrances is also provided in the Traffic Control Plan submitted as Appendix V to Compliance Filing Package II.