

# **Public Involvement Program Plan**

**Horseshoe Solar**

**Livingston County, New York**

**Case 18-F-**

**October 2018**

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## Abbreviations

DPS	Department of Public Service
FERC	Federal Energy Regulatory Commission
HSS	Horseshoe Solar
MW	Megawatt
MWh	Megawatt hour
NCF	Net Capacity Factor
NYCRR	New York Codes, Rules, and Regulations
NYPA	New York Power Authority
O&M	Operation and maintenance
PIP	Public Involvement Plan
PILOT	Payment in Lieu of Taxes
PSC	New York State Public Service Commission
PSS	Preliminary Scoping Statement

## 2 Introduction

Horseshoe Solar (HSS) plans to submit an application to construct a major electric generating facility under Article 10 of the Public Service Law. Pursuant to the rules of the New York State Board on Electric Generation Siting and the Environment (Siting Board), applicants proposing to submit an application to construct a major electric generating facility under Article 10 must submit a Public Involvement Program (PIP) Plan. The PIP must be submitted to the Department of Public Service (DPS) for review at least 150 days prior to filing a Preliminary Scoping Statement (PSS). This document is the PIP plan for the Horseshoe Solar Project (the Project), a solar energy facility described in Section 3

As required by 16 NYCRR § 1000.4, this PIP describes the steps HSS plans to take to inform, engage, and solicit input from the local community, general public, and other stakeholders. Stakeholder concerns, interests, local knowledge, and recommendations will be evaluated, addressed and considered by the Applicant and Siting Board.

## 3 Applicant and Project Description

### 3.1 Company Profile

Horseshoe Solar is project of Invenergy Solar Development North America LLC (Invenergy). Invenergy is a utility-scale power producer developing, constructing, and operating renewable energy projects in the New York State energy market. Invenergy-owned energy projects operate under the supervision and regulatory authority of the New York State Public Service Commission (PSC) and the Federal Energy Regulatory Commission (FERC). Invenergy and HSS management offices are located in Chicago, Illinois.

Invenergy and its affiliates have developed over a hundred renewable energy projects in the United States, Canada, and Europe including the following New York solar and wind farms:

- Shoreham Solar Commons, 24.9 MW, Town of Brookhaven, Suffolk County, NY.
- High Sheldon Wind Farm, 75 turbines in the Town of Sheldon, Wyoming County, NY.
- Orangeville Wind Farm, 58 turbines in the Town of Orangeville, Wyoming County, NY.
- Marsh Hill Wind Farm, 10 turbines in the Town of Jasper, Steuben County, NY.

Invenergy also has developed and constructed six utility-scale solar projects in North America, totaling 144 MW installed to date, including one co-located at one of its wind farms.

Invenergy provides wholesale electricity to the public using clean, renewable sources such as wind and solar. This furthers the State of New York's renewable energy policy, which requires 50% of the State's energy to come from renewable sources such as solar by the year 2030.

HSS intends to construct, own, operate, and maintain all components of the Project, except for the interconnection switchyard which will be constructed by HSS, and then transferred to National Grid, who will own, operate, and maintain the switchyard.

## 3.2 Project Summary

### Project Facilities

HSS is planning the Project to have a maximum generating capability of 180 megawatts (MW) from solar panels located on land leased from owners of private property located in Caledonia, New York (Figure 1).

Project facilities will include: solar panels and racking, access roads, inverters, buried and overhead electric collection lines, a Project substation, an operation and maintenance (O&M) building, and electrical interconnection facilities. The anticipated life of the project is approximately 35 years. HSS anticipates the interconnection facilities will include a 115-kV switchyard built adjacent to National Grid's Golah-Batavia 115 kV line.

Invenergy is exploring various ways to co-locate agricultural uses of the land alongside the solar generation facility, such as harvesting forage for dairy feed, and grazing sheep.

### Energy Generation

HSS estimates the Project will operate at an annual net capacity factor (NCF) of 22.7%. This means the Project, if built at the maximum expected generating capacity of 180 MW, would generate approximately 359,500 megawatt hours (MWh) of energy per year. This will be enough electricity to meet the average annual consumption of 33,000 or 50,000 households, based on average annual household electric consumption of 10.8 MWh for the U.S. and 7.2 MWh for New York State, respectively (EIA, 2014).

### Economic Benefits

The Project would have positive socioeconomic impacts of permanent O&M jobs, temporary construction employment, lease payments to landowners, and a new source of revenue for schools, fire departments, county government, and town governments. National Renewable Energy Laboratory's (NREL) Jobs and Economic Development Impact (JEDI) model estimates Project construction will create approximately 390 jobs with a payroll of \$28.6 million. To operate and maintain the Project, HSS estimates it will hire approximately 3 full time employees to be located at the site. The construction jobs would last approximately one year, and the operations and maintenance jobs would last for the life of the Project.

The Project plans to enter into a PILOT agreement with the Livingston County Industrial Development Agencies and it will be subject to special district taxes. Specific estimates of amounts the Project might pay to different jurisdictions will depend on the Project layout and structure of the agreements. Based on similar arrangements at other solar projects in New York, HSS estimates a 180 MW project will generate approximately \$580,000 - \$700,000 per year in taxes and tax-related payments to the county, towns, school districts, and fire departments that serve the parcels where HSS installs Project facilities and approximately \$690,000 to \$1.3 million per year to landowners leasing land to the Project.

## 3.3 Facility Site and Study Area

Figure 1 shows the regional Project location, preliminary Facility Site and preliminary Study Area for the Project. For purposes of this document, HSS defines these areas as follows:

- The Facility Site bounds all areas on which HSS expects to locate Project facilities. As shown in Figure 1, the Facility Site is centered around the eastern most portion of the Town of Caledonia. It includes approximately 2,600 acres of land.

- The Study Area is all areas within 2 miles of the Facility Site. While the Article 10 regulations suggest a five-mile study area radius, a smaller radius is appropriate for solar projects as they have a relatively low profile. The panels including racking will not exceed 15 feet high.

## **4 Public Involvement Program Overview**

### **4.1 PIP Goals**

HSS developed this PIP to ensure that concerns of individuals and groups, including local residents, with a potential interest in the Project (collectively referred to as stakeholders) are understood by Invenergy and the Siting Board and are incorporated and objectively considered in the Project design and review. Specific PIP goals are to:

- Identify groups and individuals with a potential interest in the Project;
- Ensure stakeholders and the general public are aware of the Project and are apprised of the methods and media by which they can keep informed about the Project's development and the Article 10 review process`;
- Ensure stakeholders can relatively conveniently access information on the Project and the Article 10 review process;
- Engage stakeholders to understand their interests related to the Project, so that HSS can work with them to address their concerns and take them into account as the project moves forward; and
- Gather specific information from stakeholders that can be used to design objective and useful studies to be defined in the Preliminary Scoping Statement and included in a complete application for the Project.

### **4.2 PIP Schedule**

HSS began conducting PIP activities during the pre-application phase in August 2018, and it will continue until the Project begins commercial operation. Additional outreach to host landowners and municipal officials will recommence at the time of decommissioning. Section 6.1 discusses specific PIP activities and their schedules, and Appendix C outlines the schedule and goals for each PIP event.

### **4.3 Stakeholder Involvement**

Refer to Section 5 for discussion of stakeholder categories and identification.

#### Stakeholder Notifications

HSS will notify stakeholders of the important Project milestones listed below.

- Open Houses
- Preliminary Scoping Statement (PSS) Submittal
- Scoping consultations
- Application Submittal
- Public Hearing

- Siting Board Decision
- Commencement of Construction
- Commercial Operations Date

Stakeholder notifications will be by US Mail or email when that preference is expressed by the stakeholder. The only exception to this will be notification of the broad stakeholder categories for “Area Residents”. Area Residents that do not register as individual stakeholders will be notified of the above milestones by notices in local newspapers as discussed in Section 6.2.

#### Collection of Stakeholder Input

For stakeholder groups in sections 5.1-5.12 below, HSS will reach out to the point of contact to introduce the Project and offer to meet with the stakeholder group or point of contact. During stakeholder discussions HSS will introduce Invenergy, the Project, and the Article 10 review process, including intervenor funding. HSS will solicit specific feedback on issues that stakeholders want considered in the Project design or review. HSS will track this feedback in a comment log as discussed in Section 6.5.

Depending on the number of individual stakeholders, it may not be practical to contact each individually. As discussed in Section 6, HSS will develop materials, maintain a project website, and host events designed to inform landowners and residents. These materials, events, and the website will describe the Project and ways to submit input during the Article 10 review process.

#### Distribution of PSS and Application Documents to Stakeholders

HSS will notify stakeholders when the PSS and application are available on the Project website and at various document repositories. HSS does not intend to provide individual hard copies of these documents to Stakeholders except as required by 16 NYCRR §1000.5 and 16 NYCRR §1000.6.

## **5 Stakeholders**

HSS has identified several categories of “stakeholders.” Overall, HSS relied on its experience developing other projects, review of PIPs filed for other projects, discussions with local officials, and the knowledge of its local representatives to identify potential stakeholders. Certain agencies are included as stakeholders as mandated by Article 10 regulations. Descriptions of stakeholder categories and the methods used to identify them follow. Appendix A lists the Project stakeholders and their contact information, as currently known by HSS. HSS will continuously update the stakeholder list to add or remove stakeholders as it identifies new interested, or uninterested, parties during PIP implementation. The most current list will always be used for notifications.

Project outreach materials will contain instructions on how to be added to the stakeholder list. Individuals or organizations will be able to be added to the stakeholder list by calling a Project representative, calling a toll-free number, attending a public outreach event such as those for residents, or by sending an email to an address that will be posted on the Project website. Stakeholders can also be added to the list by US Mail, sent to Invenergy, 123 S. Cayuga St., Suite 201, Ithaca NY 14850.

### **5.1 Host Communities**

HSS identified town boards and county boards representing any portion of the Facility Site by review of town and county boundary maps, and these boards are considered stakeholders. Points of contact will be the Town Supervisors and the County Administrator and the town clerks. Notices will be addressed to the

full board, care of the point of contact, with the expectation that the point of contact will distribute the notices and information to the full board. HSS will meet with the points of contact prior to submittal of the PSS and will offer to meet with the full boards.

## **5.2 County Agencies**

County agencies, other than the county legislature, with areas of responsibility potentially affected by the Project were identified by review of the county website and consultation with the county planning department. Note that HSS has identified the County Emergency Response Coordinators and Sheriffs as stakeholders and listed them under the category of “Emergency Responders.”

## **5.3 State Agencies**

Departments of New York State government were identified in the Article 10 regulations, and by using HSS’s experience in developing solar and wind projects in New York and by reviewing PIPs filed for these projects.

## **5.4 Federal Agencies**

Agencies of the U.S. government were identified using HSS’s experience in developing wind and solar projects in New York.

## **5.5 Legislative Representatives**

Offices of the New York State Legislature, the U.S. Senate, and U.S. Congress representing the Study Area were identified by review of online district maps.

## **5.6 Highway Departments**

County and town departments responsible for managing roads in the Study Area were identified by review of town and county boundary maps.

## **5.7 Schools**

School districts serving parcels in the Study Area were identified by review of county tax maps.

## **5.8 Emergency Responders**

Fire departments, emergency responders and police or sheriff departments serving parcels in the Study Area were identified by review of county tax maps.

## **5.9 Adjacent Municipalities**

Towns, counties, villages, or other municipalities that are not host communities but are in the Study Area were identified by review of municipal boundary maps.

## **5.10 Utilities**

Companies that own gas, electric, or communications infrastructure in the Study Area were identified by consultation with the County Planning Departments.

## **5.11 Public Interest Groups**

Organizations that serve interests of the public in the Study Area were identified from discussions with the County Planning Departments and from the 2018 lists of county officials that includes county and town



historians. This category includes business organizations, county and town historians, conservation or environmental organizations, and organized groups focused on use of the Facility Site for outdoor recreation and agriculture.

### **5.12 Airports and Heliports**

Organizations operating FAA-registered airfields within 12 miles of the Study Area were identified by searching the FAA's database on licensed airports and heliports. There are three (3) private airports and two (2) publicly-accessible airports within 15 miles of the Facility Site. The Greater Rochester International Airport is approximately 15 miles from the Facility Site. These airports are included as potential stakeholders.

### **5.13 Adjacent Landowners**

Owners of property within 2,500 feet of the proposed facility, or substation, or within 500 feet of other Project components (e.g., collection lines, etc.) are considered "adjacent landowners." When a Project layout is developed, HSS will identify these owners by review of tax records. HSS plans to develop a Project layout prior to submission of the PSS and will add adjacent landowners identified then to the stakeholder list.

### **5.14 Area Residents**

Residents of the Study Area that are not participating landowners or adjacent owners are included in the stakeholder list as one group. HSS will notify these residents of the Project individually by a widespread mailing to all unique addresses in the property tax rolls for the Study Area. The mailing will announce upcoming open houses, share website and contact information, and include instructions on how to register as a stakeholder, in case the residents are unable to attend the open house and register in person. At the open houses, attendees are encouraged to join the stakeholder list if they wish to continue to receive notice of future Project milestones (e.g., availability of the PSS, public hearing, etc.).

Going forward, HSS does not plan broad mailings to area residents that have not registered as stakeholders or been added as adjacent landowners. But HSS will continue to notify unregistered area residents of the Project through the public outreach activities described in Section 6, including notices in area newspapers.

### **5.15 Participating Landowners**

Property owners that have entered into lease, easement, purchase option, or setback agreements with HSS that will allow construction of Project facilities on or near their property are considered "participating landowners." Participating landowners are included in the stakeholder list as one group, but not individually.

HSS's private contracts with participating landowners contain provisions for HSS and landowners to work together on Project plans. These consultations are private discussions outside the scope of this PIP. In addition to private communications with HSS, participating landowners living in the Study Area will be notified of Project milestones and events in the same manner as the category of stakeholders described above as "Area Residents."

## 6 Public Involvement Program Elements

### 6.1 PIP Activities, Schedule, and Goals

Appendix C lists the PIP activities HSS plans to conduct and the tentative schedule and goals for each activity. In addition to the initial meetings, PIP activities will be conducted throughout the Article 10 process, including after the PSS and Application have been submitted.

#### Stakeholder Consultations

Stakeholder consultations will be arranged as described in Section 4. HSS anticipates almost all stakeholders will be interested in a meeting or conference call. For any such stakeholder meetings or conference calls, one or more of the representatives identified in Section 6.2 will represent HSS.

Topics covered during stakeholder consultations will vary depending on the stakeholder's role and potential impact. Possible topics include payment in lieu of tax agreements, highway agreements, local laws, emergency response requirements, intervenor funds, and environmental impacts. Meetings will also specifically cover potential synergies or conflicts with stakeholder plans. Content of stakeholder consultation meetings will be documented in the PIP Tracking Report and comments received will be recorded as discussed in Section 6.5.

As appropriate, HSS will conduct subsequent meetings to answer specific questions, and to discuss studies, mitigation, or other strategies that could address stakeholder concerns.

Appendix B provides a tentative schedule of initial consultations.

#### Town Board Meetings

HSS will present at regularly-scheduled monthly board meetings of the local town boards in the Facility Site. HSS will also request to present the project to the County Legislature at one of its regularly-scheduled meetings.

As part of the presentation given at each meeting, HSS introduces Invenergy, the Project, and the Article 10 process, including Intervenor Funding, and will respond to questions from the board and members of the public.

HSS representatives will be available to attend future town board meetings as requested by the boards and will offer to attend town board meetings in adjacent communities in the Study Area.

The above meetings and any future presentations at town board meetings will be documented in the PIP tracking report.

#### Open House

HSS will hold an open house style public meeting prior to submittal of the PSS. At least two representatives of the HSS's development team will be present at the meeting. The meeting will feature poster displays on the Project, solar energy, and the Article 10 review process. A brief presentation by one of the HSS representatives will start the meeting and then ample time will be allowed for review of displayed materials and one-on-one discussions with the HSS representatives.

A location for the open house has yet not been selected.

The open house will be advertised at town board meetings, by a mass mailing to names listed in the tax rolls for the Study Area, on the Project website, and in the most commonly read local papers.

## 6.2 Communication Tools

### Project Representatives

Invenergy has two representatives available to implement this PIP and answer questions from stakeholders:

Marguerite Wells  
123 S. Cayuga St Suite 201  
Ithaca, NY 14850  
Manager, Renewable Development  
[mwells@invenergyllc.com](mailto:mwells@invenergyllc.com)  
(607) 330-0399

Eric Miller  
120 N. Lee St.  
Falls Church, VA 22046  
Vice President, Renewable Development  
[emiller@invenergyllc.com](mailto:emiller@invenergyllc.com)  
(301) 610-6413

Contact information for local representatives is posted on the project-specific website. Additionally, this information will be made available at stakeholder consultations, town board meetings and open houses.

### Toll-Free Number

Invenergy also maintains a toll-free number (1-866-378-4580) connected to an automated voicemail that it will advertise on the Project website and all PIP mailings and will monitor for questions on the Project. This line operates even during non-business hours. This line is not dedicated, so callers should identify the project they are calling about. HSS will make reasonable efforts to confirm receipt within one day of an inquiry and provide substantive responses within three business days.

### New York State Office

HSS has an office in Ithaca, New York, at address 123 South Cayuga Street, Suite 201, Ithaca NY 14850. Mail may be addressed to this office. HSS's Project Developers manage the local office and are able to answer questions on the Project. The office maintains regular business hours.

### Website

HSS has established a user-friendly website dedicated to the Project that is written in plain English ([www.HorseshoeSolar.com](http://www.HorseshoeSolar.com)). HSS will update the website as the Project develops and more information becomes available. When available, the following items will be posted on the website:

- Project description and location;
- Project benefits and need;
- Project layout maps;
- Project milestones and timeline
- Project contact information, including an email address and a telephone number local to the Facility Site;
- Summary of the Article 10 process;
- Summary of the intervenor funding process with instructions on how to apply;

- Addresses of local document repositories;
- Links to the Article 10 siting board webpage and to case-specific documents file for the Project;
- Notices for public outreach events, filings, and public hearings;
- PIP tracking report,
- Publications or educational materials presented at the open house(s) or distributed to stakeholders;
- Instructions on how to join the stakeholder list.

#### Document Repositories

HSS will maintain hard copies of the PIP, the PSS, and the application, plus any additional outreach or informational materials, at the following locations:

- Caledonia Library 3108 Main St., Caledonia, NY
- Caledonia Town Hall, 3109 Main St, Caledonia, NY
- Avon Free Library 143, Genesee St., Avon NY

#### Stakeholder Notifications

HSS will notify stakeholders of Project milestones as discussed in Section 4.3.

#### Notifications to the General Public

In addition to its direct notifications to Project stakeholders and the general mailing described in Section 5.14, HSS will publish notices as required by the Article 10 regulations, including posting notices of PSS and application filings on the Project website and in the following newspapers of record for the host community towns:

- Livingston County News
- Henrietta Post
- Rochester Democrat and Chronicle

### **6.3 PIP Materials**

For initial presentations given at town board meetings and at open house(s), HSS will present information on HSS, the Project, and the Article 10 process including intervenor funding. Presentations will contain maps, timelines, and other Project-specific material developed by HSS.

PIP materials will cover some solar power basics and unique aspects of HSS and the Project, and the Article 10 review process.

At the open house, HSS will have poster board displays on topics such as:

- Environmental, emissions offset, and fuel offset benefits of solar energy,
- Solar panel dimension(s) and technology detail;
- Project schedule;
- Economic benefits of the Project to the local economy;
- Facility Site, Study Area, and proposed solar panel layouts when available.

For meetings following the open house, HSS anticipates the items of most interest will be maps showing proposed locations of project facilities. HSS will generate such maps in large format for display as part of its presentations after the open house.

HSS has developed materials on the above topics using information from its solar panel suppliers and its knowledge of the Article 10 process. Versions of these materials are available on the Project website.

#### **6.4 PIP Tracking Report**

HSS will maintain a log documenting PIP activities, meetings, and consultations. For each event, the log will document the event date, location, attendees, summary of topics discussed, and any follow-up steps.

Every three months, HSS will file the PIP tracking report with the Secretary to the Siting Board and post it on the Project website.

#### **6.5 Comment Tracking**

HSS will maintain an internal log of comments or questions that cannot be answered in a few words or that may have interest to a broad audience. HSS will refer to this comment log in development of the PSS and application to ensure that comments are being adequately addressed.

### **7 Environmental Justice Areas**

The New York State Department of Environmental Conservation (NYSDEC) provides map files of Potential Environmental Justice Areas it identifies as census block groups from the 2000 census with populations that meet one or more of the following thresholds:

- 51.1% or more of the population in an urban area reported themselves to be members of minority groups; or
- 33.8% or more of the population in a rural area reported themselves to be members of minority groups; or
- 23.59% or more of the population in an urban or rural area had household incomes below the federal poverty level.

There are no Potential Environmental Justice Areas in the Study Area, but the following is within 10 miles of the Facility Site:

- Census Block Group ID 360510302013 is located approximately 2 miles south of the Facility Site. This area is in Livingston County between Avon and Geneseo. It's categorized as a rural area, and the 2000 census statistics show that 7.57% are minorities and 48.97% are below the federal poverty level.

Because the areas above are outside of the Study Area, the Project is not expected to negatively impact these or any other environmental justice areas.

## 8 Language Access

Article 10 regulations require the PIP to identify any language other than English spoken (1) by 5,000 or more persons, according to United States Census data, residing in any 5-digit zip code postal zone in which any portion of such zone is located within the Study Area; and (2) by a significant population of persons residing in close proximity to the proposed facility, alternative locations, or interconnections.

Table 1 lists the 5-digit zip codes extending into the Study Area and the most prevalent non-English languages spoken. As shown by Table 1, there are no zip codes touched by the Study Area where 5,000 or more people do not speak English. The Spanish-speaking and Other Indo-European-speaking numbers are included in the Non-English totals and are a sub-set thereof.

Table 1. Primary Language Spoken at Home by County

	English	Non-English	Spanish	Other Languages
Caledonia	3853	98	23	75

Source: U.S. Census Bureau, 2012-2016 American Community Survey 5-Year Estimates

## Appendix A

### Stakeholder List

<b>Host Communities</b>	
Town of Caledonia Laurie Sattora, Town Clerk Daniel Pangrazio, Town Supervisor 3109 Main Street Caledonia, NY 14423	Livingston County Ian M. Coyle, County Administrator David L. LeFeber, Chairman of the Board Livingston County Government Center 6 Court St., Rm 302 Geneseo, NY 14454
<b>Document Repositories</b>	
Avon Free Library 143 Genesee St. Avon, NY 14414	Caledonia Library 3108 Main St. Caledonia, NY 14423
Caledonia Town Hall 3109 Main Street Caledonia, NY 14423	
<b>County Agencies</b>	
Livingston County Planning Angela Ellis, Director Heather Ferrero, Deputy Director 6 Court St., Rm 305 Geneseo, NY 14454	Livingston County Industrial Development Agency Philip S. Brooks, Chairman 6 Court St., Rm 306 Geneseo, NY 14454
Soil and Water Conservation District Robert Stryker, District Manager 11 Megan Dr., Suite 2 Geneseo, NY 14454	
<b>Adjacent Municipalities</b>	
Town of York Gerald L. Deming, Supervisor 2742 Chandler Rd. Piffard, NY 14533	Town of Avon David L. LeFeber, Supervisor 4910 Littleville Rd. Avon, NY 14414
Town of Rush Shivaun Featherman, Deputy Town Clerk Cathleen Frank, Town Supervisor 5977 East Henrietta Road Rush, NY 14543	Monroe County Adam Bello, County Clerk 39 W. Main St., 101 County Office Building Rochester, NY 14614
<b>Schools</b>	
Avon Central School District Aaron Johnson, Superintendent of Schools 191 Clinton St. Avon, NY 14414-1495	Caledonia-Mumford Central School District (adjacent) Robert Molisani, Superintendent Christine Thompson, Secretary to the Superintendent 99 North Street Caledonia, NY 14423
<b>Airports</b>	
Greater Rochester International Airport Andrew G. Moore, Interim Airport Director 1200 Brooks Ave Rochester, NY 14624	Smiths Land Base Paul Smith 438 Five Points Rd. Honeoye Falls, NY 14472
Lakeville John Bodine 3601 West Lake Road Geneseo, NY 14454	Geneseo Airport John Swanson 3489 Big Tree Lane, P.O. Box 185 Geneseo, NY 14454

<b>Emergency Responders</b>	
Caledonia Fire Department Jeff Faugh, Fire Chief P.O. Box 358 Avon, NY 14414	Livingston Emergency Medical Services Karen Dewar, Director 3360 Gypsy Lane Mt. Morris, NY 14510
Livingston Office of Emergency Management Kevin Niedermaier, Director 3360 Gypsy Lane Mt. Morris, NY 14510	Caledonia Fire District Mike Churchill, Fire Chief 3089 Main St. Caledonia, NY 14423
Rush Fire District Jim McNeil, District Chief 1971 Rush Mendon Rd. Rush, NY 14543	Livingston County Sheriff's Office Thomas J. Dougherty, Sheriff 4 Court Street Geneseo, NY 14454

<b>Federal Agencies</b>	
US Army Corps of Engineers Buffalo District 1776 Niagara St. Buffalo, NY 14207	US Federal Aviation Administration Carmine Gallo, Eastern Region Administrator 1 Aviation Plaza Jamaica, NY 11434
National Telecommunications and Information Administration Karl B. Nebbia, Associate Administrator, Office of Spectrum Management 1401 Constitution Avenue, N.W. Washington, DC 20230	US Fish and Wildlife Service Tim Sullivan, 3817 Luker Road Cortland, NY 13045

<b>Highway Departments</b>	
Livingston County Highway Department Donald Higgins, Superintendent Elaine Szoczei-Brehm, Highway Administrative Manager 4389 Gypsy Lane Mt. Morris, NY 14510	Avon Highway Department (adjacent) Tom Crye, Highway Superintendent Dick Rumfola, Deputy Superintendent 5390 Agar Road Avon, NY 14414
Caledonia Highway Department Mark Schroeder, Superintendent 3109 Main St. Caledonia, NY 14423	Rush Highway Department (adjacent) Mark David, Highway Superintendent 804 Rush West Rush Rd. Rush, NY 14543

<b>Legislative Representatives</b>	
State Senator, 59th District Patrick M. Gallivan District Office: 2721 Transit Rd., Suite 116 Elma, NY 14059	US Senate, State of New York Charles E. Schumer, Senator Regional Office: 100 State St., Rm 3040 Rochester, NY 14614
US House of Representatives 27th District Chris Collins, Congressman 128 Main Street, Unit 2 Geneseo, NY 14454	Livingston County Legislature Eric R. Gott P.O. Box 43 Livonia, NY 14487
Member of Assembly, 133rd District Joseph Errigo District Office: 30 Office Parkway Pittsford, NY 14434	US Senate, State of New York Kirsten E. Gillibrand, Senator Regional Office: 100 State St., Rm 4195 Rochester, NY 14614

<b>Public Interest Groups</b>	
Genesee Valley Conservancy Benjamin Gajewski, Exec. Director One Main St., P.O. Box 73 Geneseo, NY 14454	Livingston County Farm Bureau Joe Swyers, President 9607 Kenney Rd Dansville, NY 14437
Genesee Valley Rural Preservation Council, Inc. Jill Alcorn, President & CEO 5861 Groveland Station Rd.	Chamber of Commerce & Tourism, Livingston County Area Laura Lane, President



Mt. Morris, NY 14510	4635 Millennium Drive Geneseo, NY 14454
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<b>Public Interest Groups (Outdoors Clubs)</b>	
Livingston County Federation of Sportsmen's Clubs Marc Osypan, President 2551 Lakeville Rd. Avon, NY 14414	Friends of the Genesee Valley Greenway PO Box 42 Mt Morris, NY 14510
Genesee Valley Audubon Society PO Box 15512 Rochester, NY 14615	The Nature Conservancy 274 N. Goodman Street Suite B261 Rochester, NY 14607

<b>Public Interest Groups - Historians</b>	
Livingston County Historian Amie Alden 5 Murray Hill Drive Mt. Morris, NY 14510	Livingston County Historical Society and Museum Anna Kowalchuk, Museum Administrator 30 Center St. Geneseo, NY 14454
Caledonia Historian Eileen LaFave-Bickford 3109 Main St. Caledonia, NY 14423	

<b>State Agencies and Authorities</b>	
NYSERDA Alicia Barton, President and CEO Doreen Harris, Program Manager, Large Scale Renewables 17 Columbia Circle Albany, 12203	NYS Department of Environmental Conservation, Division of Environmental Permits Basil Segos, Commissioner Chris Hogan, Chief, Major Project Management 625 Broadway, 4th Floor Albany, NY 12233
NYS Department of Environmental Conservation, Region 8 Offices Mke Wasilco, Biologist 6274 E. Avon-Lima Rd Avon, NY 14414-9519	NYS Department of Public Service, Office of Energy Efficiency and the Environment Hon. Kathleen Burgess, Secretary Andy Davis, Utility Supervisor James Denn, Public Information Officer Lorna Gillings, Outreach Contact 3 Empire Plaza Albany, NY 12233
NYS Department of Health Howard Zucker, Commissioner, Nathan Graber, MD, MPH, Director Ctr. for Env. Health, Corning Tower, Empire State Plaza, Room 1619 Albany, 12237	New York Independent System Operator Jessica Gamache, Interconnection Project Coordinator 10 Krey Blvd. Rensselaer, NY 12144
NYS Division of Homeland Security and Emergency Services John P. Melville, Commissioner 1220 Washington Avenue, State Office Campus, Building 7A Suite 710 Albany, NY 12242	NYS Department of Transportation Kevin Bush, Director, Region 4 1530 Jefferson Road Rochester, NY 14623
NYS Department of Transportation Paul Karas, Acting Commissioner 50 Wolf Road Albany, 12232	NYS Department of Agriculture and Markets Richard Ball, Commissioner 10B Airline Drive Albany, NY 12235
NYS Office of General Services RoAnn Destito, Commissioner 41st Floor, Corning Tower, Empire State Plaza Albany, 12242	NYS Office of Parks, Recreation and Historic Preservation Rose Harvey, Commissioner John Bonafide, Director, Technical Preservation Bureau PO Box 189 Waterford, NY 12188

NYS Department of State Rossana Rosado, Secretary One Commerce Plaza, 99 Washington Avenue Albany, NY 12231	Empire State Development Corporation Howard Zemsky, President and CEO 625 Broadway Albany, New York 12245
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Utilities	
Frontier Communications Main St. Red Creek, NY 13143	National Grid One Metrotech Center, 16th Floor Brooklyn, NY 11201
Spectrum Communications 2620 W.Henrietta Rd Rochester, NY 14623	Water and Sewer Authority, Livingston County Michelle Baines, Executive Director 1997 D'Angelo Drive, P.O. Box 396 Lakeville, NY 14480

## Appendix B

### Stakeholder Consultation Schedule

Name	Target Date for Initial Contact	Status
Adjacent Landowners	Jul-18	Done
Airports	Jan-19	
Area Residents	Jul-18	Done
Avon Central School District	Nov-18	
Avon Highway Department	Dec-18	
Avon Free Library	Nov-18	
Caledonia Fire District	Nov-18	
Caledonia Highway Department	Nov-18	
Caledonia Historian	Nov-18	
Caledonia Public Library	Nov-18	
Caledonia-Mumford Central School District	Nov-18	
Time Warner	Jun-19	
Livingston County Farm Bureau	Nov-18	
East Avon Fire Department	Apr-18	
Empire State Development Corporation	Nov-18	
Friends of the Genesee Valley Greenway	Nov-18	
Genesee Valley Audubon Society	Nov-18	
Genesee Valley Conservancy	Nov-18	
Livingston County Area Chamber of Commerce	Nov-18	
Livingston County Federation of Sportsmen's Clubs	Dec-18	
Livingston County Highway Department	Dec-18	
Livingston County Historical Society and Museum	Dec-18	
Livingston County Industrial Development Agency	Aug-18	Done
Livingston County Legislature	Nov-18	
Livingston County Office of Emergency Management	Apr-19	
Livingston County Planning Department	Nov-18	
Livingston County Soil and Water Conservation District	Nov-18	
Livingston Emergency Medical Services	Feb-19	
Monroe County (adjacent)	Jan-19	
National Grid	Jun-18	Done
New York Independent System Operator	Jun-18	Done
NYS Department of Agriculture and Markets	Oct-18	
NYS Department of Environmental Conservation	Oct-18	
NYS Department of Health	Nov-18	
NYS Department of Public Service	Sep-18	
NYS Department of State	Jan-19	
NYS Department of Transportation	Jan-19	

NYS Division of Homeland Security and Emergency Services	Jan-19	
NYS Energy Research and Development Authority	Nov-18	
NYS Office of General Services	Nov-18	
NYS Office of Parks, Recreation and Historic Preservation	Dec-18	
Participating Land Owners	Mar-18	Done
State Assemblyman for 133rd Assembly District	Mar-19	
State Senator for 59th Senate District	Jan-19	
The Nature Conservancy of CWNV	Jan-19	
Time Warner Cable (cable TV)	Jan-19	
Town of Caledonia Town Board	Sep-18	Done
Town of Caledonia Building Code Inspector	Aug-18	Done
Town of Rush (adjacent)	Dec-18	
Town of York (adjacent)	Feb-19	
U.S. Army Corps of Engineers	Feb-19	
U.S. Fish and Wildlife Service	Feb-19	
U.S. Representative for District 27	Feb-19	
U.S. Senator for NY (Schumer)	Mar-19	
U.S. Senator for NY (Gillibrand)	Mar-19	
Water and Sewer Authority, Livingston County	Mar-19	

## Appendix C

### Schedule and Goals for PIP Events

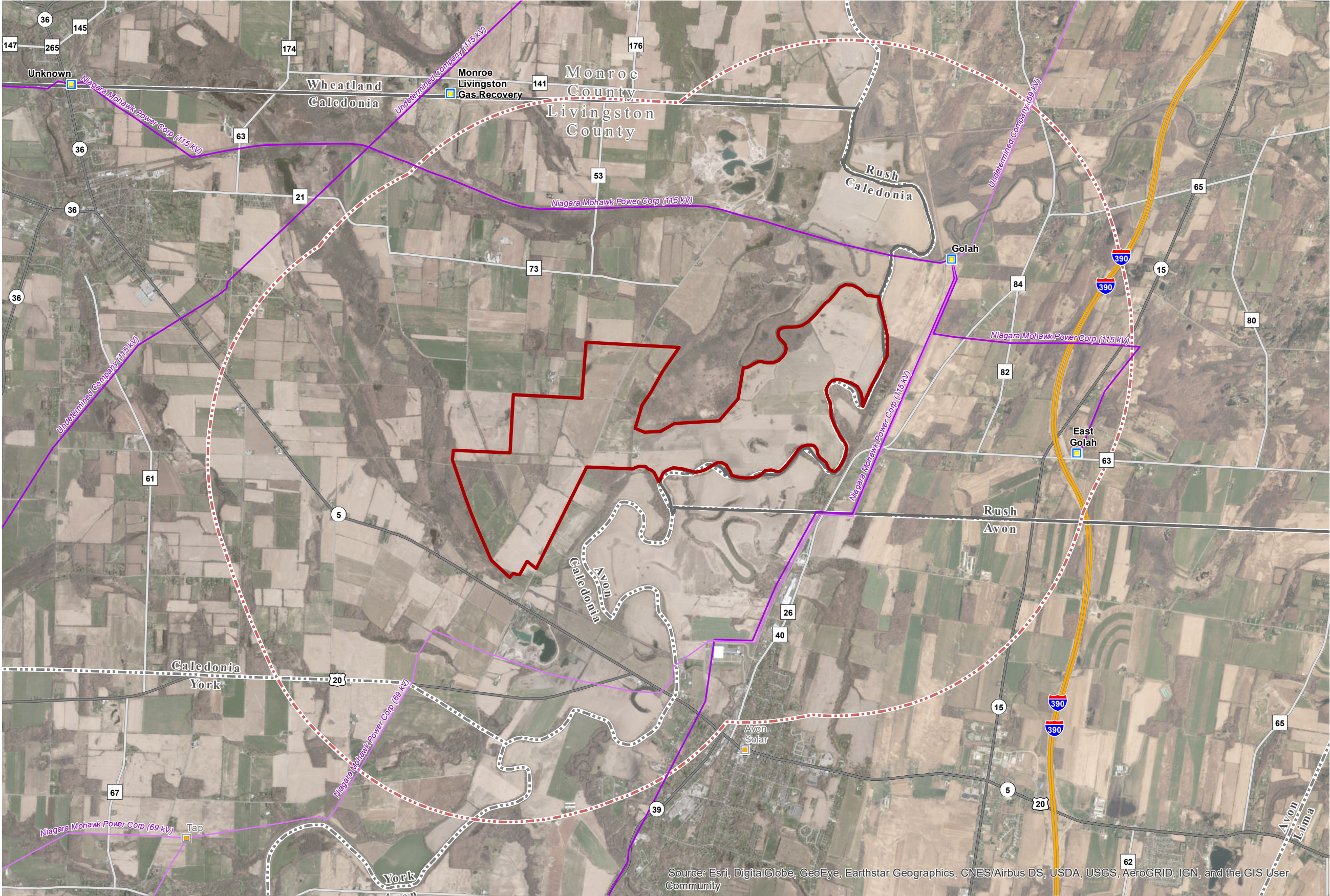
Activity / Milestone	Schedule	Goals <sup>i</sup>	Notes
Stakeholder consultations	Ongoing	Basic introduction. Identify points of contact for each stakeholder. Identify areas of interest in the project design and review process. Identify other stakeholders. Emphasize importance of reviewing the PSS and submitting comments within 21 days of its filing.	See PIP Section 5.1.1. Appendix B has target dates for each consultation.
Website	Through COD <sup>ii</sup>	Basic introduction. Facilitate notification of Project milestones and PIP activities. Facilitate submittals of comments and requests to be on the stakeholder list.	www.HorseshoeSolar.com
Caledonia Town Board Meeting	Sept 7, 2018	Basic introduction. Encourage and explain ways to be involved in the review process.	See PIP Section 5.1.2
Newspaper Article	November, 2018	Introduce project to region.	
Mailing	Winter 2018	Post card mailed to all stakeholders announcing open house and website.	
Newspaper Ads	Winter 2018	Announce open house and website.	
Open House(s)	Spring 2019	Basic introduction. Encourage community members to be involved with the review process.	
Newspaper Placement of PSS Summary	3 days or more before PSS Filing	Inform general public of the Project, new information availability, and the timeline for commenting on the PSS.	Required by Section 16 NYCRR 1000.5(d)

Stakeholder Mailing	3 days or more before PSS Filing	Inform stakeholders of the Project, new information availability, and the timeline for commenting on the PSS.	Required by Section 16 NYCRR 1000.5(d).
PSS Filing			Target date
Newspaper Placement of Application Notice	3 days or more before application filing	Inform general public of the Project, new information availability, timeline of commenting on the application.	Required by Section 16 NYCRR 1000.7. Will include a project map.
Stakeholder Mailing	3 days or more before application filing	Inform stakeholders of the Project, new information availability, timeline of commenting on the application.	Required by Section 16 NYCRR 1000.7. Will include a project map.
Town Board Meetings	0-8 weeks after PSS Filing	Explain latest Project plans. Explain next steps in Article 10 review process.	See PIP Section 5.1.2
Application Filing	Late 2019		Target date
Stakeholder Mailing	2-4 weeks before hearing	Inform stakeholders of the public hearing time and place.	
Public Hearing			Estimated date
Permit Decision	2020		Estimated date
Stakeholder Mailing	~1 week after permit decision	Inform stakeholders of the permit decision.	
Stakeholder Mailing	~1 week before start of construction	Inform stakeholders of start of construction	
Participating landowner meeting	~1 week before start of construction	Introduce landowners to the construction team. Explain construction schedule and procedures.	
Start of Construction	Spring 2021		Estimated date
Town Board Meetings	As required during construction	Present Project construction status. Collect comments from town board.	
COD	2021		Estimated date
Stakeholder Mailing	~1 week after COD	Inform stakeholders of COD	

<sup>i</sup> Basic introduction includes an overview of the Project, Invenergy, and the Article 10 review process, including instructions on how to obtain intervenor funding, to join the stakeholder list, and to submit comments to be included in the design and study of the Project.

<sup>ii</sup> COD = Commercial Operations Date





2,500 0 2,500  
Feet

### Legend

- Substation Location
- Estimated Substation Location

### Transmission Line

- Under 100 kV
- 100 - 161 kV

### Road Classification

- Interstate Highway
- US/State Route
- County Road
- County Boundary
- Town Boundary
- Project Boundary
- 2 Mile Study Area

# Facility Site

Horseshoe Solar Energy Center | Livingston County, New York

Rev. 00  
October 03, 2018

Invenergy