

STATE ENVIRONMENT QUALITY REVIEW
NOTICE OF ESTABLISHMENT OF LEAD AGENCY

To: Involved Agencies and Interested Parties

Date: December 13, 2019

Applicant: **DG New York CS, LLC.**

RE: *DG New York CS, LLC- Clay Solar and Energy Storage Facility, Utility Substation*

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law.

The Town of Clay Planning Board at its regular meeting scheduled on December 11, 2019 declared that it shall be the lead agency for the environmental review of the proposed action described below:

NAME OF ACTION(S): **Site Plan Approval. *DG New York CS, LLC.* 4363 Ver Plank Rd., Clay, NY.**

DESCRIPTION OF ACTION: Construction and operation of a 5 megawatt alternating current (MW AC) solar power and energy storage facility.

REASONS SUPPORTING THIS DETERMINATION: This agency has the broadest governmental powers for investigation of the impact of the proposed action; *and* This agency has the greatest capability for providing the most thorough environmental assessment of the proposed action.

PLEASE TAKE FURTHER NOTICE that this determination, subject to agreement of the agencies involved, shall become effective 30 calendar days from the date hereof. You may wish to notify the Town of Clay of any concerns regarding the substance of this project before this date.

FOR FURTHER INFORMATION:

CONTACT PERSON: Mark V. Territo, Commissioner of Planning and Development

ADDRESS: 4401 State Route 31
Clay, NY 13041

TELEPHONE NUMBER: (315) 652-3800

Copies of this notice have been sent to all involved agencies and interested parties.

Site Plan Approval

SEQR DISTRIBUTION LIST 12/13/2019

LEAD AGENCY	(X) R. Daniel Makay
(X) Planning Board, Town of Clay	(XX) Deputy State Historic Preservation Officer
4401 N.Y. State Route 31	NY State Parks, Recreation & Historic Preservation
Clay, NY 13041	P.O. Box 189
	Waterford, New York 12188-0189
INVOLVED AGENCIES	
(X) Mr. Jeffrey Till	(X) Mr. Richard E. Jones
(XX) Onondaga County Health Department	(XX) New York State Department of Health
Public Health Engineer	Office of Public Health
Division of Environmental Health	217 South Salina Street, 3 rd Floor
421 Montgomery St., 12 th Floor	Syracuse, New York 13202
Syracuse, New York 13202	
	(X) Ms. Margaret A. Crawford, Biologist
(X) Ms. Elizabeth A. Tracy	(XX) U.S. Army Corps of Engineers
(XX) N.Y.S. Dept. of Environmental Conservation	Auburn Field Office
Division of Environmental Permits	7413 County House Road
615 Erie Boulevard West	Auburn, NY 13021-8216
Syracuse, New York 13204	
	(X) Mr. Kevin Balduzzi
(X) Mr. Patrick Sherlock	(XX) N.Y.S. Dept. of Environmental Conservation
(XX) Water Systems Construction Engineer	Environmental Analyst
Onondaga County Water Authority	615 Erie Boulevard West
P.O. Box 4949	Syracuse, New York 13204
Syracuse, New York 13221	
	INTERESTED PARTIES
(X) Kristina Crowley	(X) Syracuse-Onondaga County Planning Agency
(XX) N.Y.S. Department of Transportation	(XX) 421 Montgomery Street
333 East Washington Street	Syracuse, NY 13202
Syracuse, New York 13202	(X) Zoning Board of Appeals, Town of Clay (5)
	(X) Town Attorney, Robert Germain
(X) Onondaga County Department of	(X) Town Clerk, Jill Hageman-Clark
(XX) Water Environment Protection	(X) Town Engineer, Ron DeTota, C & S
650 Hiawatha Blvd. West	
Syracuse, New York 13204	NOTIFICATION
	(X) Town of Clay Website: www.townofclay.org
(X) Mr. Terry Morgan	(X) Liverpool, NOPL Public Libraries
(XX) Onondaga County Dept. of Transportation	
421 Montgomery Street, 11 th Floor	
Syracuse, New York 13202	
(X) Syracuse Metropolitan Transportation Cncl.	APPLICANT:
(XX) Attn: James D'Agostino	(X) DG New York CS, LLC
100 Clinton Square, 126 N. Salina St., Suite 100	700 Universe Blvd. A1A/JB
Syracuse, New York 13202	Juno Beach, FL 33408
(X) Town Supervisor	ITEMS DISTRIBUTED:
(X) Town Board Members (6)	(X) NOTICE OF ESTABLISHMENT OF LEAD AGENCY
	(XX) FULL EAF, LOCATION MAP

Clay Solar Project Description – Tax Map IDs – 030.-01-05.1 and 030.-01-03.0

Introduction

DG New York CS, LLC (Applicant) is petitioning the Town of Clay for a Utility Substation Special Permit to allow for the development of the Clay Solar and Energy Storage, Utility Substation (Project), a proposed 5-megawatt (MW) alternating current (AC) solar photovoltaic (PV) project located within the Town of Clay, Onondaga County, New York. The Applicant has reviewed the permit instructions and the conditions outlined in Section § 230-27. Special Permit Review of the zoning ordinance.

The proposed Project will be on approximately 31.24 acres of a total of 114.48 acres of leased land (Tax Map ID – 030.-01-05.1 and 030.-01-03.0), located near the intersection of Morgan Road and Verplank Road in the Town of Clay. The approximate geographic coordinates of the center of the site are 43.1934°/-76.2081°. The proposed Project parcels are 114.48-acres¹ in size; however, only a portion of the parcels will be used for the development of the Project. The proposed Project address is 4363 Verplank Road, Clay, New York 13041.

The owner and operator of the facility will be the Applicant, which is a limited liability company (LLC). The contact information for the Applicant is as follows:

DG New York CS, LLC
700 Universe Blvd. A1A/JB
Juno Beach, FL, 33408

The Project Manager for this application is Janet Ward (914-256-7644).

The narrative provided herein is intended to supplement the Site Plan Application by the Applicant (Attachment 1).

Information provided in this narrative includes discussions of the following topics:

- Project Purpose
- Project Overview
- Existing Conditions
- Project Components
- Town of Clay's Zoning Ordinance
- Town of Clay Planning Board Submittal

Preliminary plans are provided as Attachments 4 (ALTA Survey) and 5 (Site Plan) of the overall Site Plan Application submittal.

¹ Please note, the total survey acreage for these parcels is 114.48 (Parcel 03.-01-05.1- 62.08 acres/Parcel 03.-01-03.0 – 52.40 acres). These amounts differ than the information presented in the tax records for each of the parcels (Parcel 03.-01-05.1- 63.53 acres/Parcel 03.-01-03.0 – 53.17 acres). The survey acreages are those used within Attachment 5 of the Site Plan Application.

Existing Conditions

The proposed Project is located on previously undeveloped land (currently used for agriculture) in the Town of Clay on the eastern side of the intersection between Morgan Road and Verplank Road and on the north side of Verplank Road. The Project is located along Morgan Road and Verplank Road. The Project site is located on an area with rolling topography that is currently comprised of grassland, shrub-scrub, and deciduous forested habitat that includes mature and sapling deciduous trees and shrubs, as well as palustrine emergent, palustrine shrub-scrub, and palustrine forested wetlands.

The area surrounding the Project site consists of agricultural, industrial/utility, and residential land uses. The land to the north of the proposed Project site is an industrial/utility property and includes a solar facility. The land to the east is agricultural/vacant; to the south, land uses are residential, agricultural, and industrial/utility. To the west of the parcel, land use is primarily agricultural.

Project Components

The equipment manufacturer and the type of model of solar collectors will be determined at a later date; however, the proposed Project will be designed and engineered by a New York-licensed professional engineer who will certify that the proposed Project meets, or exceeds, the manufacturer's construction and installation standards. The proposed Project will be built to product and industry safety standards, and the threat from fire or electrical hazard with this type of project is extremely low.

While the specific equipment manufacturers have yet to be determined, the proposed Project will include the placement of PV panels and the construction of fencing, access roads, sun tracking components, direct current (DC)/AC power inverters, medium-voltage transformers, control and distribution cabinets, a medium-voltage collection system, Project switch-gear, and an interconnection to the existing electrical distribution system. A battery energy storage system also may be included.

PV Panels

The PV panels will be secured on a tracking system (to rotate and track the sun's movement) and will be supported by metal piers driven, or screwed, into the ground to a depth of approximately six to eight feet, unless soil conditions require deeper posts or the use of a ballasted system. Prior to construction, a geotechnical study will be conducted to determine the depth and mount type necessary for construction. At their maximum height, the solar array, including trackers and inverters, will be approximately 10 to 12 feet above ground.

To support the PV panels, the proposed Project will utilize a single-axis tracking system, which is designed to optimize power production by allowing the PV panels to track the sun. Single-axis tracking systems vary by manufacturers, but generally consist of a series of mechanically linked horizontal steel support beams, known as torque tubes, with a drivetrain system that is usually located in the center of the rows, dividing the array into two sides. The number of rows within a tracker block can vary, but it is

- A battery storage enclosure; typical dimensions may be 30'(long) x 12(wide) x 12'(high), with an inverter and transformer pad of an approximate size of 10'X 25'.
- Battery technology: Lithium Nickel Manganese Cobalt Oxide (NMC).
- The system would have its own fire suppression system: FM 200/Novac.
- A lightning protector can be included.
- Safety and environmental protection can include the following:
 - Ground fault detection system in the inverter, fuses, breakers, temperature and humidity monitor, fire suppression, and explosion control pressure vent.

One of the possible use cases for the battery storage equipment is to maximize the energy production from the solar facility. The batteries would be charged with energy produced by the system at times when the system is producing more energy than the inverters can transmit to the distribution system. This stored energy would be discharged to the distribution system when the solar facility is not producing (i.e. at night). The use of a battery storage system would increase the energy sent to the distribution system that would otherwise be lost, thereby retaining energy captured by the PV panels and maximizing system production.

Town of Clay's Zoning Ordinance

The Applicant understands that the Town of Clay has developed general site plan review standards under Section § 230-26. Planning Board. These conditions are noted in Part D (3) General site plan standards of review: General (Part 1). A section has been reserved for (2) Specific site plan review standards: (Part 2) (b) – (Reserved).

The following section discusses the conditions and standards outlined in these sections and the Project's expected adherence to these standards.

(3) Section § 230-26 (a): Part 1. All applications for site plan review shall meet the following minimum standards of performance and that are elaborated upon in the guidelines for a site plan review available from the Department of Planning and Development.

[1] Zoning compliance. All development depicted in the proposed site plan shall comply with the applicable intent and regulations of the Town Zoning Code, including the specific zone district in which it is located and to any other applicable Town, county, state or federal regulations.

The Project as proposed will comply with the applicable intent and regulations of the Town Zoning Code, including those specifically outlined for the residential/agricultural zoning district (RA-100) and Highway Overlay Zone District Type B and Type C, where the Project is to be constructed, and other Town, county, state, and/or federal regulations.

[2] Relationship to site conditions. Any proposed development shall be appropriate to the existing or proposed site conditions, such as slope, soil or drainage patterns. Any changes in grade, ground cover or vegetation

**Full Environmental Assessment Form
Part 1 - Project and Setting**

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: DG New York CS, LLC - Clay Solar and Energy Storage		
Project Location (describe, and attach a general location map): 4363 Verplank Rd, Clay, Onondaga County, New York (see Attachment F.1 figures)		
Brief Description of Proposed Action (include purpose or need): See Attachment F.2		
Name of Applicant/Sponsor: DG New York CS, LLC	Telephone: 561-694-3842	E-Mail: mithum.vyas@nexteraenergy.com
Address: 700 Universe Blvd. A1A/JB		
City/PO: Juno Beach	State: FL	Zip Code: 33408
Project Contact (if not same as sponsor; give name and title/role): Janet Ward, Associate Project Manager	Telephone: 914-256-7644	E-Mail: janet.ward@nexteraenergy.com
Address: same as sponsor		
City/PO: same as sponsor	State: same as sponsor	Zip Code: same as sponsor
Property Owner (if not same as sponsor): Donald J. Gabor, Jr.	Telephone: 315-247-8436	E-Mail:
Address: 8395 Morgan Rd		
City/PO: Clay	State: NY	Zip Code: 13041

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	Special use permit; site plan approval	
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Special use permit; site plan approval	
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not known to be required	
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town may refer applications to other local officials for review	
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Onondaga County DOT driveway permit	
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	SPDES General Construction Permit NOI, others undetermined	
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No	Not yet known	
<p>i. Coastal Resources.</p> <p>i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p> <p>ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? Yes No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? Yes No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? Yes No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) Yes No

If Yes, identify the plan(s):

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? Yes No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
 If Yes, what is the zoning classification(s) including any applicable overlay district?
Residential/agricultural zoning district

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No
 If Yes,
 i. What is the proposed new zoning for the site? No zoning change anticipated.

C.4. Existing community services.

a. In what school district is the project site located? North Syracuse Central School District

b. What police or other public protection forces serve the project site?
Onondaga County Sheriff's Office

c. Which fire protection and emergency medical services serve the project site?
Clay Fire Department, Northern Onondaga Volunteer Ambulance

d. What parks serve the project site?
Clay Park North, Michael Santaro Memorial Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Industrial

b. a. Total acreage of the site of the proposed action? 88 acres
 b. Total acreage to be physically disturbed? 33 acres
 c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 115 acres

c. Is the proposed action an expansion of an existing project or use? Yes No
 i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
 If Yes,
 i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) _____
 ii. Is a cluster/conservation layout proposed? Yes No
 iii. Number of lots proposed? _____
 iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? Yes No
 i. If No, anticipated period of construction: 4.5 months
 ii. If Yes:
 • Total number of phases anticipated _____
 • Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
 • Anticipated completion date of final phase _____ month _____ year
 • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? Yes No
 If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No
 If Yes,

i. Total number of structures see Att F.2

ii. Dimensions (in feet) of largest proposed structure: see Att F.2 height; _____ width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ 0.0 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No
 If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: _____

iii. If other than water, identify the type of impounded/contained liquids and their source. _____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? Yes No
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)
 If Yes:

i. What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____

iv. Will there be onsite dewatering or processing of excavated materials? Yes No
 If yes, describe. _____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? Yes No

ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No
 If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): The design will avoid most wetlands and waterbodies to the extent practicable. See Attachment F.3.

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
See Attachment F.3.

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No
If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? Yes No
If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? Yes No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project? Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No

- Do existing sewer lines serve the project site? Yes No
- Will a line extension within an existing district be necessary to serve the project? Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 0.7 acres (impervious surface)

_____ Square feet or 115 acres (parcel size)

ii. Describe types of new point sources. No new point sources. [Regarding the above numbers, the project will result in 1.4 ac of impervious surface, 0.7 ac of which will occur in already impervious areas (i.e., improvement of existing gravel road).]

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Temporary runoff from construction will be discharged on-site and controlled by stormwater and sediment/erosion control best management practices. Sheet flow from solar panels will infiltrate ground surface or be directed to existing wetlands or natural swales. No increase in runoff.

- If to surface waters, identify receiving water bodies or wetlands: _____
See Sections D.2.b and E.2.h and Attachment F.3.

- Will stormwater runoff flow to adjacent properties? Yes No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

Vehicles for occasional maintenance of facility equipment and lawn & landscaping equipment for seasonal grass cutting. See Attachment F.4.

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

None

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

None

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
- _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
- _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
- _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
- _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? Yes No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? Yes No

If Yes:

i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
 Randomly between hours of 7 a.m. to 7 p.m.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____
 Increased truck trips during construction for delivery of materials/supplies. No increase in traffic during operations.

iii. Parking spaces: Existing _____ Not applicable _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? Yes No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:
 On-site (non-public) access roads to be improved/constructed from Verplank Road into solar facility for facility maintenance.

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? Yes No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Yes No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? Yes No

l. Hours of operation. Answer all items which apply.

i. During Construction:		ii. During Operations:	
• Monday - Friday:	<u>7 a.m. to 7 p.m.</u>	• Monday - Friday:	<u>24 hours</u>
• Saturday:	<u>7 a.m. to 7 p.m.</u>	• Saturday:	<u>24 hours</u>
• Sunday:	<u>9 a.m. to 7 p.m.</u>	• Sunday:	<u>24 hours</u>
• Holidays:	<u>None</u>	• Holidays:	<u>24 hours</u>

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? Yes No
 If yes:
 i. Provide details including sources, time of day and duration:
 See Attachment F.5.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No
 Describe: No trees will be removed for the project.

n. Will the proposed action have outdoor lighting? Yes No
 If yes:
 i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes No
 Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? Yes No
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? Yes No
 If Yes:
 i. Product(s) to be stored _____
 ii. Volume(s) _____ per unit time _____ (e.g., month, year)
 iii. Generally, describe the proposed storage facilities:

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? Yes No
 If Yes:
 i. Describe proposed treatment(s):
No pesticide use during construction. If pesticides are used during operations, they will be used in accordance with local, state, and federal regulations.

ii. Will the proposed action use Integrated Pest Management Practices? Yes No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? Yes No
 If Yes:
 i. Describe any solid waste(s) to be generated during construction or operation of the facility:
 • Construction: See Attachment F.6 tons per _____ (unit of time)
 • Operation: _____ 0 tons per _____ (unit of time)
 ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:
 • Construction: See Attachment F.6
 • Operation: Not applicable.
 iii. Proposed disposal methods/facilities for solid waste generated on-site:
 • Construction: See Attachment F.6
 • Operation: Not applicable.

s. Does the proposed action include construction or modification of a solid waste management facility? Yes No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

- Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Aquatic Other (specify): Sewage treatment plant (public utility)

ii. If mix of uses, generally describe:

The project area is mostly agricultural, forested, and undeveloped land. A few residences are near the site, on Morgan and Verplank Roads. A sewage treatment plant is to the north of the project area, and a storage yard and undeveloped rural land are to the south.

b. Land uses and covertypes on the project site.

Land use or Coverture	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.7	1.4	+0.7
• Forested	22.0	22.0	0.0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	5.0	32.67	+27.67
• Agricultural (includes active orchards, field, greenhouse etc.)	48.8	20.43	-28.37
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.5	0.5	0.0
• Wetlands (freshwater or tidal)	11.0	11.0	0.0
• Non-vegetated (bare rock, earth or fill)	0.0	0.0	0.0
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? Yes No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? Yes No
If Yes,
i. Identify Facilities: _____

e. Does the project site contain an existing dam? Yes No
If Yes:
i. Dimensions of the dam and impoundment:
• Dam height: _____ feet
• Dam length: _____ feet
• Surface area: _____ acres
• Volume impounded: _____ gallons OR acre-feet
ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No
If Yes:
i. Has the facility been formally closed? Yes No
• If yes, cite sources/documentation: _____
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No
 Yes – Spills Incidents database Provide DEC ID number(s): _____
 Yes – Environmental Site Remediation database Provide DEC ID number(s): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No
If yes, provide DEC ID number(s): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

v. Is the project site subject to an institutional control limiting property uses? Yes No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ Depth unavailable feet

b. Are there bedrock outcroppings on the project site? Yes No
 If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site:

Niagara silt loam, 0 to 4% slopes	53 %
Collamer silt loam, 2 to 6% slopes	24 %
Dunkirk silt loam, rolling	14 %

d. What is the average depth to the water table on the project site? Average: _____ > 7 feet

e. Drainage status of project site soils:

- Well Drained: _____ 19 % of site
- Moderately Well Drained: _____ 25 % of site
- Poorly Drained: _____ 53 % of site

f. Approximate proportion of proposed action site with slopes:

- 0-10%: _____ 100 % of site
- 10-15%: _____ % of site
- 15% or greater: _____ % of site

g. Are there any unique geologic features on the project site? Yes No
 If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 899-10 (Mud Creek) (not in project area) Classification See Attachment F.3.
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland Approximate Size See Attachment F.3.
- Wetland No. (if regulated by DEC) BRE-17 (not in project area)

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? Yes No

j. Is the project site in the 100-year Floodplain? Yes No

k. Is the project site in the 500-year Floodplain? Yes No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No

If Yes:

i. Name of aquifer: _____

<p>m. Identify the predominant wildlife species that occupy or use the project site:</p> <table style="width: 100%; border: none;"> <tr> <td style="border-bottom: 1px solid black;">white-tailed deer</td> <td style="border-bottom: 1px solid black;">toads</td> <td style="border-bottom: 1px solid black;">wild turkey</td> </tr> <tr> <td style="border-bottom: 1px solid black;">gray squirrel</td> <td style="border-bottom: 1px solid black;">American crow</td> <td style="border-bottom: 1px solid black;">garter snake</td> </tr> <tr> <td style="border-bottom: 1px solid black;">songbirds, various</td> <td style="border-bottom: 1px solid black;">North American raccoon</td> <td style="border-bottom: 1px solid black;">red fox</td> </tr> </table>	white-tailed deer	toads	wild turkey	gray squirrel	American crow	garter snake	songbirds, various	North American raccoon	red fox	
white-tailed deer	toads	wild turkey								
gray squirrel	American crow	garter snake								
songbirds, various	North American raccoon	red fox								
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 										
<p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>Possibly northern long-eared bat, Indiana bat, bald eagle, pied-billed grebe. See Attachment F.7.</p>										
<p>p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>Possibly Cerulean warbler. See Attachment F.7.</p>										
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>Seasonal deer and other hunting possibly conducted on nearby forested properties. Not confirmed.</p>										
<p>E.3. Designated Public Resources On or Near Project Site</p>										
<p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>										
<p>b. Are agricultural lands consisting of highly productive soils present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? approx 85 acres</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): Web Soil Survey, NRCS</p>										
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p>										
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>										

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? Yes No

If Yes:

i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District

ii. Name: See Attachment F.8.

iii. Brief description of attributes on which listing is based: _____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? Yes No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? Yes No

If Yes:

i. Describe possible resource(s): See Attachment F.8.

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: Clay Park North, Santaro Park, Clay Park Central, Three Rivers State Game Management Area, Plank Rd Park, Oneida Shores

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): local, county, and state parks

iii. Distance between project and resource: _____ 0 to 5 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? Yes No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? Yes No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Matthew Handel Date 11/14/19

Signature  Title Vice President

