Date: 3/11/2024

Village of Cayuga
6205 Railroad Street PO Box 313
Cayuga, NY 13034
Attn: Kevin Foster – Code Enforcement Officer

Subject: Application for Special Use Permit – Tier 3 Solar Energy System

New Energy Equity, LLC, as Agent for Project Owner, Cayuga CSG 2, LLC ("Applicant") respectively submits this Application for the purpose of facilitating the development of a 3.66 MW AC community solar distributed generation solar project ("Project"). The subject parcel, approx. 22.24 acres, is classified as a Agricultural / Residential parcel consisting primarily of meadowland and woodlands, without any residential structure on the parcel.

The project plan proposes to abide by required setbacks, siting the Project primarily within the existing meadowland area maintains existing land contours, avoids grading of the site and minimizing tree clearing to 3.03 acres while proposing planting roughly 0.73 acres of tree for screening and using 1.19 acres of current trees for additional screening. To access the Project, the Applicant will create a 15' gravel lane meeting utility access requirements off of Cayuga Road to the North of the proposed site.

Further, there is existing scrub brush and woodlands along the road frontage, and parcel boundaries, which will be preserved, and dual purposed as natural landscape screening to maintain harmonious relationship between uses and existing adjacent uses in the Agricultural / Residential District. We do not request that the Township provide any services or improvements to support the Solar Garden construction or operation.

Should the Board approve the Application, the Applicant intends to develop, construct, own and operate the Solar Garden on a portion of the subject parcel under a private land-lease agreement with the Landowner.

Construction is a 6-month process (weather dependent), and will be commenced at a TBD time, likely in 2025. Upon completion of construction and receiving permission to operate from the utility, the Project will generate electricity for use by community utility customers and have a project life of 35-years from the date operations commence. Subscribers will benefit by receiving a credit on their monthly utility bill statement, providing overall monthly discount.

The Applicant selected this site because of the Landowner's interest, the parcel's physical characteristics, electrical hosting capacity, distribution lines, and solar compatibility. The final design will follow all regulatory, technical, and environmental guidance, requests, rules and requirements of the Utility, Town, County, Involved Agencies, as well as the USACE, NESCO and OSHA, for the safety and protection of landowners, the public, and the property. The Applicant will work closely with the landowner, the Planning Board and engage with the surrounding neighbors as necessary as the project progresses.

Attached to this letter the Applicant is providing additional exhibits to demonstrate the Project meets all applicable provisions contained in local site plan and special use permit requirements in the Village Code. Application fees will be paid via check and be delivered as soon as fees are confirmed by town.

We sincerely appreciate all the help we have received from your staff regarding our application, and we look forward to collaborating with you further to develop a great project that we can all be proud of.

Sincerely,

Cayuga CSG 2, LLC, Applicant
Point of Contact: Torrey Clark / 607-768-2716 / Development@newenergyequity.com

Walowsky II Exhibit List:

Exhibit

A. *Project Information Summary*
B. *Project Overview (Includes Operation and Maintenance Plan) (See Appendix B for Index)*
C. *About New Energy Equity*
D. *Solar Subscription FAQ / About Community Solar*
E. *Scope of Service Reqs.*
F. *Preliminary Site Plan Set (See Appendix A for Sheet Index)*
    a. *Existing conditions / layout sketch / engineering plans / equipment spec sheets / vegetation, planting, and screening plan (see cover sheet for page index)*
    b. *Decommissioning Plan with description of financial surety*
    c. *One Line Diagram (SLD)*
    d. *Solar module manufacturer glare white paper & MSDS (supporting documents)*
G. *Engineering Feasibility Study CESIR (Includes utility notification and electric service order number)*
H. *Visual Simulations from select viewpoints*
I. *SEQR*
    a. *F-EAF Part 1*
    b. *DEC solar stormwater and SWPPP guidance*
    c. *Agricultural Data Statement*
    d. *NYS Ag and Markets solar project guidelines*
J. *Mapping and Topography*
    a. *Parcel Map*
    b. *Parcel Description*
    c. *Soil Maps*
    d. *MSG Soil Groups 1-4*
    e. *Topographic Map – Elevation*
    f. *Topographic Map – Slope*
    g. *SHPO CRIS Map*
K. *Site Control (Lease)*
L. *Adjacent Landowners List*
M. *Permit Applications*
    a. *BLANK Building Permit Application (To be filled out after Special Use Permit granted)*
N. Draft NYSUN Approval Form

Not Included in Submission:

See Next Page:

1. *NY PE Stamp on Site Plan Set*
   - ***Rationale:*** *Site Plan Set to be PE stamped after planning board meeting input*
2. *Survey*
   - ***Rationale:*** *Site is controlled via private land lease. Preliminary engineering plans completed with GIS parcel boundaries from county. A survey and ALTA are preferred to be conditioned, then completed apart of applicant's diligence process after site plan and special use permit decision.*
3. *Stormwater Pollution Prevention Plan (SWPPP)*
   - ***Rationale:*** *Developing a SWPPP is a requirement of a NYSCDEC Stormwater Permit (SPDES) for Construction Activity and is preferred to be conditioned, then completed apart of applicant's diligence process after site plan and special use permit decision.*

Appendix A:

SHEET INDEX

SHEET #	DESCRIPTION	REVISION #	REVISION DATE
T1	TITLE PAGE	4	2/21/2024
PV1	PROJECT OVERVIEW	4	2/21/2024
PV2	SITE PLAN	4	2/21/2024
PV3	SETBACKS MAP	4	2/21/2024
PV4	PID MAP	2	2/1/2024
PV5	SOIL MAP	2	2/1/2024
PV6	TOPOGRAPHY & DRAINAGE PATTERNS	3	2/13/2024
PV7	FACILITY AREA DETAIL	2	2/1/2024
PV8	SAT RACKING DETAIL	2	2/1/2024
PV9	FENCE DETAIL	3	2/13/2024
PV10	INFILTRATION BASIN DETAIL	2	2/1/2024
E1A	SINGLE LINE DIAGRAM A	3	2/13/2024
E1B	SINGLE LINE DIAGRAM B	3	2/13/2024
E2A	EQUIPMENT LABELS A	2	2/1/2024
E2B	EQUIPMENT LABELS B	2	2/1/2024
E3	ELECTRICAL DETAILS	3	2/21/2024
E4A	MODULE AND INVERTER SPEC SHEETS	2	2/1/2024
E4B	RACKING SPEC SHEET	2	2/1/2024
E4C	TRANSFORMER SPEC SHEET	2	2/1/2024
E5	MODULE CERTIFICATIONS	2	2/1/2024
E6	INVERTER CERTIFICATIONS	2	2/1/2024

Appendix B:

Table of Contents Page #

EXHIBIT A

Exhibit A - Information Summary:

For review, the Project's detailed legal description, site plan and other specifications will follow:		
Applicant:	Cayuga CSG 2, LLC	
Applicant Address:	2530 Riva Rd Suite 200, Annapolis, MD 21401	
Point of Contact:	Torrey Clark	
Email:	Development@newenergyequity.com	
Tax Map#:	112.19-1-3.1	
Existing Zoning:	Agricultural / Residential	
Surrounding Zoning:	North: Agricultural / Residential	
	West: Agricultural/ Residential	
	South: Agricultural /Residential	
	East: N/A	
Existing Use(s)	None	
Requested Uses(s)	Community Solar Garden	
Variance or Waivers Required?	No	
Applicable Ordinance Section(s)	Local Law No. 2 of 2023	
Project Size	3.66 MW-ac. The final Solar Facility system size will be determined based on final system design as approved by Applicant and the Utility Company.	
Setbacks	**AHJ Requirements**	**Proposed by Developer**
• Front	40 Feet	40 Feet
• Rear	35 Feet	40 Feet
• Sides	15 Feet	15 Feet
Project Consistency with Comprehensive Plan Statement	(a) To take advantage of a safe, abundant, renewable and non-polluting energy resource (b) To decrease the cost of electricity to the owners of residential and commercial properties, including single-family houses	

	(c) To mitigate the impacts of Solar Energy Systems on environmental resources such as important agricultural lands, forests, wildlife, and other protected resources (d) To create synergy between solar energy and the Village Comprehensive Plan and Zoning Code. (e) To invest in a locally generated source of energy to increase employment and business development in the Village of Cayuga to the extent reasonably practical. (f) To provide tax revenues and other benefits to the town and its residents to mitigate impacts from the solar project. (g) To protect adjoining/surrounding property owners by mitigating the potential impacts from large scale solar installations. (h) To aid in the energy independence of the community as well as the county.

EXHIBIT B

NEW ENERGY EQUITY

AN ALLETE COMPANY

COMMUNITY SOLAR PROJECT OVERVIEW

Table of Contents **Page #**

1. Purpose:

The overall purpose of the Solar Facility is to provide customers with a cost-effective source of reliable renewable solar electricity. Additional Project objectives include:

- Develop a generation facility that is feasible, quick to construct and easy to operate while providing the local utility and its customers with a cost-effective, cleaner alternative.
- Establish emission-free solar electricity and reduce greenhouse gas (GHG) emissions while avoiding, minimizing, and mitigating the impacts to the environment.
- Generate electricity without utility water supply needs.
- Provide other important economic and environmental benefits to the local utility and the Municipality, including improving local air quality and public health, developing local energy sources, promoting local jobs, and diversifying the energy supply; and
- Render solar energy to the community and meet the State's Energy Plan and Climate Action Framework

The Applicants preference would be for the residents and businesses of the county to participate in the Applicants Community Solar Garden Program and be the direct beneficiaries of reduced electricity rates.

2. Project Overview:

- Grid tied distributed generation system.
- Minimal noise within array fence generated during solar power generation (inverter), none outside project fence, none at night.
- No traffic disturbance during Project operation.
- Minimal visual impact, uniform solar arrays.
- Minimal ground disturbance to the Solar Site, including the surrounding environment.
- Solar panels secured to ground by use of a racking system to minimize ground grading.
- Project plan utilizes pollinator habitat guidelines to incorporate best practices that ensure the Solar Facility can become a resilient, functional landscape that maintains ecological diversity.

3. Project Components:

The project consists of approx. 4x3 feet photovoltaic solar modules mounted to a driven pile, Single Axis Tracking system. Modules will be arranged into rows arranged from east to west. Rows of solar modules will connect to an inverter. The inverters transform the direct current power generated by the photovoltaic system to alternating current power, which is then connected to the existing distribution line at the point of interconnection. All electrical conduits within the array fence will be buried. Both direct current (DC) and alternating current (AC) conductors will be trenched in conduit. After final circuit consolidation at the PV system pad mounted switchboard, the system's voltage will be stepped-up to distribution level at the Utility owned transformer and interconnected, onto an existing utility distribution circuit.

The racking system manufacturer's engineer will provide certification that the design of the foundations and panels are within accepted professional standards, given local soil and climate controls. The equipment is designed to withstand wind up to one hundred and five MPH and fifty pounds per square

foot of snow. Each Solar Facility will have one to two concrete equipment pads, to support interconnection and metering equipment, and above ground typical utility poles to support interconnection of the distribution powerline. Indicative Manufacturer Equipment Specification Sheets are attached.

4. Environmental Considerations:

During the planning and development process, the Applicant has completed desktop diligence; including, but not limited to:

- Significant locations of rare or high-quality wetlands, forests, grasslands, ponds, streams, and other types of habitats, ecosystems, and ecological areas.
- Unique or unusual geological features or landforms.
- Wetlands that are currently mapped by the National Wetlands Inventory.
- Animals and plants that are rare, including but not limited to those listed as Endangered and Threatened by the State and/or the U.S. Fish and Wildlife Service.

The current Site Plan Set utilizes this combination of data and expertise to avoid and/or minimize impacts, identify as well as identify and implement appropriate setbacks. ***Additional environmental studies to determine onsite conditional and mitigation requirements will be performed later in the process following an approval of the Land Use Permit.***

In the event that an unidentified environmental resource is found to exist after local land use permitting is completed, the Applicant would update the Site Plan set accordingly, conduct necessary regulatory review, and follow all applicable state and federal regulations prior to submitting for a building permit.

Storm Water Management Measures

The Project will adhere to state regulated erosion, sediment and stormwater Stormwater requirements, including obtaining a SWPPP permit, following the state's national pollutant discharge elimination system and the state disposal system standards for sediment control. The intent is to slow down the velocity of water runoff, improving the permeability of the soil, while promoting insect and wildlife habitat.

5. Visual Resource Analysis:

The combination of existing unrelated visual impacts, and the Applicants' proposed landscape plans provides adequate screening for the location. Visual resources in the area of the Solar Facility have been affected by past and present actions including, distribution utilities, transmission utilities, highway/roadway construction, commercial and residential development: Locations of residential, historical or recreation, have been considered during the project planning and development. There are no known inventoried aesthetic resources are located off-site within the potential visual field of the proposed solar arrays.

- Appearance: Solar projects have similar characteristics to a greenhouse or single-story residence Usually no more than 15 feet high, solar farms are often enclosed by fencing and/or landscaping to minimize visual impacts.
- Noise: Solar projects are effectively silent. Tracking motors and inverters may produce an ambient hum that is not typically audible from outside the enclosure.
- Odor: Solar projects do not produce any byproduct or odor.
- Traffic: Solar projects do not attract high volumes of additional traffic as they do not require frequent maintenance after installation. The expected traffic volume is less than a single-family home.

Glare:

To limit reflection, solar PV panels are constructed of dark, light-absorbing materials. Today's panels reflect as little as two percent of the incoming sunlight depending on the angle of the sun and assuming use of anti-reflective coatings. In general, the concept of efficient solar power is to absorb as much light as possible while reflecting as little light as possible, standard solar panels produce less glare and reflectance than standard window glass. The solar panels will be coated with a anti reflective coating, which ensures the solar panel reflects a lower percentage of light than smooth water.

Considering landscaping and fencing surrounding the Solar Facility as well anti reflective coatings on the solar panels, roadways, buildings, and flights paths will not be impacted by glare from the panels.

6. Construction:

Traffic during construction is estimated to a total of 25-35 trucks on the on-set of construction and tapering off thereafter. Traffic will include employees, pickup trucks, semi-trailers for delivery of equipment and other machinery. No overweight or over-sized loads are anticipated for the Project.

Typical Process:

The construction process typically takes approximately three to six months, weather dependent to ensure safe site conditions for work personal. A licensed survey team, prior to any commencement of construction, will stake the Solar Site physical boundaries and construction footprints. The survey team will stake the path through any right of ways ("ROWs") for the Interconnection Lines and/or provide a detailed map using GPS coordinates. Construction activities would include installation, operation and maintenance facility construction, road and access construction, Interconnection Line trenching, installation of a buried Interconnection Line, cleanup, and site reclamation.

Temporary construction staging areas, including material laydown, storage, equipment assembly, construction trailers, construction worker parking and portable toilet facilities are anticipated during the duration of construction activities. Construction Operating hours during construction will be 8am - 6pm. No water supply will be required.

Applicant will use appropriate temporary (construction-related) erosion and sediment control best management practices through construction.

Construction Phasing / Soil Stabilization/ Erosion and Sediment Control:

- Phase 1: Will consist of construction of an entrance and laydown area to support the commencement of construction of the Project.
- Phase 2: Will consist of establishment of required perimeter buffers and establishment of all temporary and permanent ESC and stormwater management measures.
- Phase 3: Will consist of all clearing and grubbing in the panel area. All seeded areas should be mulched or blanketed to minimize the potential for failure to establish an adequate vegetative cover. Mulching may also be used as a temporary stabilization of some disturbed areas in non-

germinating seasons. The final stabilization will be reviewed and approved by the local jurisdictions. All disturbed areas shall immediately receive temporary or permanent seeding according to state guidelines.

Equipment:

Equipment will be used for construction, including but not limited to passenger vehicles, pickup trucks, excavator, road grader, dump trucks, compactor, trencher, skid steer track loader, piling and drilling machine and forklifts will be on site almost every day throughout the construction process.

Drain Tile:

Applicant will be responsible for maintaining any existing drain tile system underneath the array and replacing any damage to tile occurring during construction, or any time prior to or during decommissioning.

Existing drain tile lines will be identified upon the completion of the ALTA survey prior to construction.

Transportation Plan:

Multiple truckloads of equipment, gravel and aggregates will be delivered throughout the construction period. Materials would be sourced locally where available. Construction crews will access to the public roadway as depicted in the Site Plan Set, utilizing a permanent access entrance for operations, and a temporary construction entrance for mobilization and construction. To ensure safe access to the site during and after construction of the Solar Facility, Applicant is committed to incorporating all reasonable road improvements and traffic related recommendations from the Town/City/County and Involved Agencies. Construction will involve multiple semi-trailer deliveries. Road access will be controlled for erosion control during construction. Construction crew parking will be located entirely within the site. No additional permanent parking is required unless required by local regulations. Maintenance crews will park within the site access road and turnaround area.

Once installation is complete minimal low frequency access is required, as further described in the Operations and Maintenance Basic Scope of Services.

Temporary Roads and Parking Surfaces:

Existing roads will be utilized as much as possible for temporary access during construction. Temporary roads that are not located along existing roads and that require heavy equipment to cross agricultural fields during construction will use the following:

- Install geotextile matting designed for soil separation over exposed topsoil (or subsoil if topsoil is stripped) surface prior to placing a 4-inch layer of crushed rock for the road surface.
- Complete removal of the temporary access fill and geotextile required for temporary access during construction or decommissioning will be removed upon completion of task.

- The topsoil and subsoil shall be de-compacted by tillage after the roads are removed and seeded as described above.

Waste Materials:

The construction of the Solar Facility will generate a variety of non-hazardous wastes during construction, such as paper, cardboard, plastic, and wooden pallets. Any waste or debris will be the responsibility of the Applicant and will be gathered in a dumpster that will be removed during construction progress as necessary. A waste management plan will be implemented during construction

7. Site Rules:

NEE will use commercially reasonable efforts to follow and to cause its personnel to follow the following rules while on the Premises. Lessor may bar further access to the Premises by any individual who commits repeated, material violations of these rules after such individual has received at least three written warnings of a particular material violation from Lessor describing, and including reasonable evidence documenting, such material violation. In addition, any individual violating rules (d)(i), (iv), or (vi) at least three times after receipt of a third written warning with documented evidence of such violation, will be immediately expelled from the Premises and will be banned from the Premises thereafter. The rules are as follows:

a) When not in active use by NEE, all access gates, as well as all interior gates, will remain closed at all times.

b) Smoking is prohibited except in designated construction areas and in vehicles. NEE will employ reasonable precautions to prevent fires and will be responsible for all damage caused by NEE.

c) NEE will keep the Premises clean and free of debris created by NEE, its contractors, or others brought on to the Premises by NEE. NEE will not use the Premises for storage of items that are not related to, used or to be used in connection with, or for the benefit of all or a portion of the Project.

d) At no time will any of employees of NEE bring any of the following onto the Premises:

   i. weapons of any type, including but not limited to, guns, bows and arrows, or sling shots;

   ii. animal calling devices;

   iii. fishing equipment or nets;

   iv. dogs, cats or any other animals;

   v. alcoholic beverages;

   vi. illegal drugs or related paraphernalia.

e) NEE, its employees, contractors, agents and any individual allowed onto the Premises by NEE will use reasonable efforts to confine their activities on the Premises to the designated access routes and to the areas upon which operations are then being conducted.

f) No wood, plants, animals (dead or alive), antlers, artifacts or any other item that was not originally brought onto the Premises by NEE personnel will be removed from the Premises by such personnel, except that NEE can burn, remove and clear wood, plants and brush on the Premises.

g) A speed limit of 25 miles per hour (15 miles per hour at night) will be strictly observed while using roads on the Premises.

h) This Agreement does not cover or include any right or privilege of hunting or fishing on the Premises, all such rights being expressly reserved to Lessor.

8. Vegetation Management

Temporary Vegetative Cover:

Vegetative cover is important to promote soil health and minimize erosion losses. Maintaining healthy vegetative cover will help reduce the proliferation of noxious and invasive weeds. The goals of maintaining vegetative cover are:

- Protect soils from erosion losses and promote healthy soil by establishing and maintaining a vegetated surface and healthy root zone during construction and throughout the operational phase.
- During construction temporary erosion control will be provided by mulching and the use of temporary vegetative cover as well as other measures outlined in the storm water management measures.

Permanent Vegetative Cover:

A properly designed and maintained vegetative cover will improve the surrounding community, surface, and ground water quality, increase biodiversity, and improve onsite soil health. The goal is to have a vegetative community that stabilizes the site to minimize erosion. The permanent vegetative cover is designed to be sustainable with low maintenance and high ecological significance. The Applicant will utilize commercially reasonable efforts to contract with a local company to maintain the Solar Facility.

- Ground cover within the fenced portion of the array will follow best management practices for the seed type and seasonal conditions. The entire site will be stabilized and maintained with vegetative cover; areas beneath the solar arrays will be planted with grass to stabilize the site.
- Seed Type: facilities must be adequately vegetated to meet stormwater and erosion/sedimentation control guidelines; Solar facilities are subject to state and local ordinances with regard to spread of noxious and invasive plant species; and it is an industry best-practice to ensure that solar panels are not shaded by plants.

Soils:

When considering the design of this project we have put significant focus on minimizing potential project effects on future land use. This plan includes measures that have been developed to maintain and / or improve the quality of soil resource with the expectation that the site can be returned to row crop agricultural use at the end of the project operation. The Applicant's goal is to improve and maintain soil

health during the operational phase of the project by sustaining soil functions including groundwater recharge, carbon sequestration, water quality and minimizing soil loss due to erosion.

- To the extent practical, the solar facility will be developed without modifying grades.
- Wherever possible, facility roads are laid out over existing access roads.
- Pile drivers will be track mounted to lessen the soil compaction caused.
- Construction equipment travel will be limited when soils are visibly saturated.
- Deep-rooted perennial vegetation will be used to promote the development of soil structure and reduce compaction potential.

Vegetation Maintenance:

Maintenance of a site plays a vital role in the eventual success of any native landscape installation, especially during the establishment period of years one through five.

- Active management in all areas of the solar site should include an annual inspection followed by necessary vegetation maintenance to encourage healthy native species while discouraging non-native/invasive species. During the growing season of the first year of establishment, the site should be inspected a minimum of three times.
- During the germination year, mow the project area to control annual weed development and to aid in the growth of the seedlings by reducing weed competition. Operator shall establish a timeframe for cutting the grass and maintaining other plant material growth.
- Native species have evolved to produce massive and deep root systems which allow them to endure long periods of drought. To develop these remarkable root systems, the plants produce only a limited amount of above-ground vegetation during year one. There is much more happening below the surface than above and year two will bring additional above-ground vegetation.
- During the third growing season the vegetation has expanded, and the species are producing blossoms and seeds.
- In years following the first growing season, vegetation management services are utilized to control weed species within the developing native landscape. Typical services include spot herbicide spraying, spot mowing, and herbicide wicking.
- The equipment typically used on sites this size are small tractors, weed whackers, mowers, and ATVs, and in some cases, sheep grazing.

Vegetated Buffer Management:

Pruning:

- Trees and shrubs require only a shortening of more vigorous branches the first year or two to keep a symmetrical appearance. After the second year, begin the following program of maintenance pruning.

Shade Trees:

- After the first year, remove one to two of the lowest limbs until the lowest are at the ultimate desired height. Most trees can be trimmed any time of year.

Evergreen Trees And Shrubs:

- Trees do not typically get pruned. Shrubs in June or July. Do not remove more than one half of the new growth.

Deciduous Shrubs:

- Spring flowering varieties should be pruned after flowering. Summer Flowering varieties should be pruned in late fall or early spring.

Perennials And Ornamental Grasses:

- Cut back to a few inches in late fall or early spring.

9. Site Security:

Limiting access to the Solar Facility to non-authorized personnel is necessary both to ensure the safety of the public and to protect equipment from potential theft and vandalism. Some, or all, of the perimeter of the Solar Facility and Equipment Pads, are fenced with an approximately eight-foot-high fence. Surveillance methods such as security cameras, motion detector, or heat sensors may be installed at locations along the Solar Facility boundary as determined necessary. No lighting will be installed.

10. Fire Prevention:

This solar array will meet the requirements of the 2012 International Fire Code, specifically to sections 605.11 – 605.11.2 for clearance, markings, and location of underground DC conductors. The Solar Facility will meet the international Building Code (IBC), National Electric Code (NEC), and local electric and fire code. NEC code is produced by the National Fire Protection Agency (NAPA) with safety of the public, contractors, and firefighters as the entire objective. Solar specific Code has been included in the NEC for over a decade. Safety is paramount in our solar PV facilities, as we need them to function optimally for their entire system life.

11. Insurance Information:

Applicant's or its successor will provide a certificate of insurance meeting the following requirements:

- Insurance provider must be rated B+ or better by "Best."
- Limits of $2,000,000 for each occurrence.
- Coverage against claims for damages resulting from bodily injury, wrongful death, and property damage arising out of the Interconnection Customer's ownership and/or operating of the Generation System under the interconnection agreement.
- Contain a severability of interest clause of cross-liability insurance.

12. Operations & Maintenance Plan:

General:

The Project will be operated and maintained the Applicant. It is anticipated there will be monthly and quarterly inspections of all equipment, vegetation management as well as snow removal as necessary. Seed mixes for the native and pollinator-friendly grasses will be finalized prior to start of construction. Pending final stormwater design, a third seed mix could be in play should a wetland be delineated on-site. The Solar Facility site will operate 7 days a week, generating electricity during daylight hours by a qualified operations and maintenance provider, either internal or external and/or manufacturer warranty services, to be determined (the "Operator").

Service	Description	Frequency
System Monitoring	Operator will monitor the System via the Applicant supplied DAS	Daily
Event Notification	Operator shall create an Event in the Enterprise Asset Management System (Bluepoint) and notify the Asset Manager when: the DAS generates a valid alarm, the System experiences an underperformance condition, or a deficiency is identified onsite during a site visit. Severity: • High Priority events represent conditions that are either causing damage to System or significantly reducing electrical output of System. - Upon Asset Manager approval, truck roll within 24 hours. • Medium Priority events affect System electrical output, but not to a significant degree. - Upon Asset Manager approval, truck roll within 72 hours. • Low Priority events do not impact System electrical output. - Upon Asset Manager approval, truck roll within 7 business days or combined with another previously scheduled visit.	As necessary per occurrence
Diagnostic and troubleshooting	Any diagnostic or troubleshooting work performed on site to develop the Corrective Action Plan, including travel time.	As needed
Equipment Warranty Maintenance and Enforcement	• Operator shall maintain System equipment warranty and perform all preventative maintenance as specified by System equipment manufacturer. • All warranty diagnostic and data collection for the purposes of submitting a system warranty claim included in basic services. • Operator shall perfect and enforce all System warranties and coordinate the corrective actions performed by the manufacturer under the warranty claim. • Operator work performed on System warranty not reimbursed by Manufacturer will be included in Basic Services. • Warranty Maintenance and enforcement that can't be completed due to the good standing and solvency of the System Equipment Manufacturer will be considered Additional Work.	As necessary per occurrence

Warranty Repairs	All labor performed onsite to replace warrantied equipment and return the System to full electrical output.	As needed
Corrective Maintenance	All corrective action, including travel time, performed to complete the Corrective Action Plan.	As needed
Verification of Electric Revenue Meter	Operator shall verify that the electric revenue meter is operational with an accuracy tolerance band of plus or minus 5%. If the Electric Revenue Meter is outside this tolerance band, Operator shall promptly cause the meter to be repaired or replaced pursuant to "Equipment Warranty and Maintenance Enforcement" if considered a warranty claim, or as additional work if not considered a warranty claim.	Once every 5 years
Semi-Annual System Performance Report and Visual and Mechanical Inspection	Will consist of the following: • Performance report (Actual vs Forecast vs Weather adjusted output model) for the report period • List of Events for the report period pulled from Bluepoint • Operator will visit the System between no sooner than five (5) months and no later than seven (7) months after the previous Annual Preventative Maintenance Inspection was completed and complete a visual and mechanical inspection of the System, noting all non-conformances, and documenting through a checklist that will be provided as part of the Semi-Annual System Performance Report.	Once every 6 months
Annual Preventative Maintenance and Performance Report	TBD	Annually
Annual Report – Performance Summary	Performance report (Actual vs Forecast vs Weather adjusted output model) for the report period.	Annually
Annual Report – Work Order Summary Report	List of Events for the report period from Bluepoint.	Annually
Annual Report – Preventative Maintenance Visual & Mechanical Inspection and Checklist	Visual & Mechanical Inspection checklist which includes inspection and maintenance activities for the following: • General Site Observations • Array • Racking • Tracker (If applicable) • Conduit • Inverters • Accumulation Panel(s) • Disconnect(s) • Transformer(s) • DAS & Weather sensors • Equipment manufacturer warranty maintenance	Annually
Annual Report - Infrared Thermal Imaging	Operator Shall perform infrared thermography of the following: • 25% of system PV modules if handheld IRT is performed. Shall otherwise be 100% completed by aerial drone as part of "Annual Report – System Performance Data" • Hand-held IRT imaging of Inverter enclosures, combiner boxes,	Annually

	accumulation panels, disconnects, and transformers.	
Annual Report - System Performance Data	Operator shall collect one of the following: • Perform I/V curve tracing on a random 25% of the PV Module strings. Comments will accompany any results that suggest there is a problem • Perform Aerial Drone Infrared Thermography of the entire System array. Thermography will be performed at a minimum of 500 w/m2. Drone analysis will be provided to the customer as both a printout and an interactive online report.	Annually
System Performance Analysis	Any System performance analytics, configuration or assessment initiated by Asset Manager will be considered additional work.	As needed
General Requests for Information	Additional System tests, written reports, site visits and other related activities as requested by Asset Manager that are outside of the services detailed in this agreement.	As needed
Solar PV Module Cleaning	Cleaning of the PV Modules as requested by Asset Manager. Operator shall monitor and recommend any special cleaning needs that may be required as a result of System conditions.	As needed
Minimum Vegetation Management and Snow Plowing	Operator shall establish a timeframe for cutting the grass and maintaining other plant material growth in order to maintain the System to the Asset Manager's requirements. Upon Asset Manager's approval, Operator will execute the approved mowing plan.	As needed, estimated 3 x per year

13. Decommissioning Plan Overview:

The intent of the decommissioning work will be to fully remove the solar facility, dispose of any components, and restore the site to a grassy field. The Applicant has contractual obligations to the landowner regarding decommissioning arising out of Section 4.4 of the lease. These obligations include removal of all equipment, timelines for removal, owner's rights to remove the solar facility upon failure by the Project Company, and establishment of a monetary security for removal in the form of a bond, escrow, or letter of credit.

The purpose of the security is to ensure there is sufficient money available to return the project site to an appropriate condition at the end of the project's useful life, or earlier. The County will be the designated beneficiary of the fund and will be provided a copy of the document establishing the security before construction commences. **The decommissioning process and bond amount for the Solar Facility is attached.**

14. Economic Impact Analysis:

The Solar Facility will increase tax revenue, which would support community needs without adding more residents or businesses, allowing for the preservation of County rural character. Plus, by providing emission power to the regional grid, solar projects reduce carbon emissions. The energy collected can be shared with homes and businesses that would normally not be able to benefit from solar power.

Benefits Summary:

- The development of a typical community solar facility invests approximately 2 million dollars for every megawatt of AC capacity of the Solar Facility and provides consumers energy supply cost savings.
- Every megawatt of AC capacity of the Solar Facility (on average) powers 150 – 210 homes. In 2022 the average was 173 homes.
- Neighboring and the subject properties land values are anticipated to remain the same.
- Generate lease dollars for the host landowner annually for the life of the Solar Facility.
- According to the Lawrence Berkeley National Laboratory an acre of solar panels producing zero-emissions electricity saves between 267,526 to 303,513 pounds, or 121 to 138 metric tons, of carbon dioxide per year compared to using a fossil fuel generation. By comparison, according to the EPA, the average acre of forest in the United States sequesters 0.84 metric tons of carbon dioxide per year. Thus, an acre of solar panels reduces approximately 144 to 166 times more carbon dioxide per year than an acre of forest.
- The project will incur fees for required applications and construction-related permits.
- Create or sustain approximately 20-30 full-time-equivalent on site full-time temporary construction jobs and 2 permanent operations positions.
- The project will incur fees for required applications and construction-related permits.
- No capital expenditures will be required by the Town, City, or County to support the project due to the nature of solar facilities and the minimal impact to the regional infrastructure.

Economic Impact and Program Overview:

This Solar Facility is a planned Community Solar Garden (CSG). The States CSG program is an effort which seeks to make solar easier and more affordable through community-driven initiatives. Community solar is a way of organizing the production and distribution of electricity from solar power. Community solar refers to local solar facilities shared by multiple community subscribers who receive credit on their electricity bills for their share of the power produced. Community solar facilities provide a means for apartment dwellers, and others living in households without sufficient space to install their own solar panels to use this cleaner source of energy. Some facilities may have an ‘anchor’ customer who purchases 40% or more of the electricity, such as a business or other large user of electricity.

The proposed Solar Facility would have a significantly greater economic fiscal impact than the property generates in its current use over the facility’s construction and anticipated 35-year operational life.

Development of Community solar facilities will generate economic impacts in three distinct phases, each with their own unique set of economic impacts: (1) the development phase, when interested landowners are identified, diligence, planning and development of the Solar Facility occurs (2) the construction phase, when the Solar Facility is being created and being connected to the electrical grid and customers are being recruited; and (3) during the operation phase, when the Solar Facility is fully operational, and customers are receiving electricity.

Understanding Economic Impact:

An "economic impact" is a change in the employment, income, and output in an area based on an activity that affects the local economy, such as construction and operation of community solar facilities. Economic impact includes three components: direct impacts, indirect impacts, and induced impacts.

The direct impacts include the changes in employment, worker income, and total economic activity directly related to the community solar facilities.

- During the development phase these direct impacts will include outreach and identification of lease landowners, development payments received by owners of land where the facilities are desired to be studied, payments to the utility company to apply for and study the locations potential for viability, payments to architectural, engineering and related services, public relations and related services, real estate services, county clerk's office, permitting and environmental consulting services.
- During the construction phase these direct impacts will include site preparation, installation of solar panels and other equipment onsite, upgrading of electrical lines and equipment to get the electricity produced into electrical networks, and advertising for and recruiting customers.
- During the operation phase, these direct impacts will include operation, maintenance, and repair of the facilities; advertising for and recruiting customers; lease payments received by owners of the land where the facilities are located; and savings accrued by customers of the facilities.

Indirect impacts measure the effect of these direct impacts on the businesses in the economy who sell products or services to the community solar facilities, such as equipment, accounting and legal services, and advertising.

The induced impacts are the effects resulting from changes in spending by employees of the community solar facilities, of employees in other businesses indirectly affected by these facilities, by landowners receiving lease payments, and by consumers who spend the money they saved by subscribing to community solar.

- For example, if employees at an advertising company work more hours because their firm was hired to work on community solar facility-related activities, they'll have more money to spend on things like groceries, clothing, local entertainment, and other household items.

The indirect and induced effects, which measure how money ripples through other sectors of the economy, is also referred to as the Economic Multiplier Effect. These impacts can be measured in three different ways: (1) employment, which reflects the change in full-time equivalent jobs as a result

of the community solar facility construction and operation; (2) labor income, which measures the increase in wages, salaries and other remuneration due to these job gains; and (3) output, which reflects the total change in economic activity, including the value of sales and changes in inventory.

15. Site Selection Criteria

Siting renewable energy projects is contingent on several factors, key considerations include:

- Landowner support – Privately held entities such as NEE Energy do not utilize eminent domain authority when it comes to site selection and securing land for community solar project development. Accordingly, solar projects only occur on properties that have complete landowner support. Property owners typically contact NEE following outreach activities such as direct mail, phone calls, or digital campaigns promoting NEE efforts to acquire development opportunities. Once educated about the considerations of hosting a community solar garden, landowners can choose to participate and become a project partner.

- Solar resource – Not all sites have sufficient solar access to justify building a community solar garden. Energy production and project viability are dependent on how much available sunlight reaches the site. Sites with compromised solar resource due to topography, vegetation, or adjacent structures cannot be economically developed.

- Parcel characteristics – Sites must have sufficient acreage, appropriate dimensions, and acceptable topography to host a community solar garden. At a minimum, seven acres of developable area is needed but a good site typically has twenty to forty acres dedicated to the solar project. The parcel shape must also allow for efficient layout of the solar array(s). Narrow, elongated, or twisting parcel boundaries make it challenging to efficiently layout and build a solar array. Additionally, a relatively flat area is required for site development. While some gradient is acceptable, grades above 5% can significantly add to project costs and complicate engineering and construction. In general, NEE does not develop sites that require significant tree clearing, grading, or similar land disturbance.

- Interconnection feasibility – A community solar garden requires a three-phase distribution feeder or sub-transmission line nearby (within approximately a quarter mile) and the site must be within 4 miles of a utility substation to avoid cost prohibitive interconnections costs. Many sites are not chosen for development simply because there is no practicable way for energy produced on site to access the power grid.

- Environmental impacts – NEE evaluates parcels for various environmental attributes when developing community solar garden. Sites that offer the opportunity to avoid, minimize, or mitigate environmental impacts are pursued for further development efforts. Evaluation efforts include screening for archaeological, cultural, and historical resources; wetlands studies; investigating presence of endangered or threatened species; and identifying nearby receptors for visual impacts.

16. Conditions of Permit Approval

Applicant will adhere to the following typical conditions:

- **Diligence:** Complete Tier 1 and Tier 2 Environmental Services; Conduct additional research, studies and/or investigation, including but not limited to Wetlands, ESA, Geotechnical and Real Estate Title.
- **Survey:** Complete a ALTA Land Survey that provides metes and bounds descriptions of the project and property
- **Final Engineering:** Complete final structural, electronical, mechanical and civil engineering as needed to fully develop the final Site Plan Set and Storm Water Prevention Plan.
- **Decommissioning Bond:** Provide decommissioning bond or surety as required by the local law governing based on the final system size.
- **Lighting:** The project shall not have exterior lighting, except for safety and security, which shall face downward.
- **Noise:** Noise generated from construction of solar energy facilities shall comply with local and county ordinance
- **Construction and Deconstruction Hours:** All sitework (including equipment warm-up and positioning) shall be limited to Monday through Saturday between the hours of 7:00 a.m. to 7:00 pm.
- **Solar Panels**: All solar panels will use anti-reflective technology.
- **Training and Coordination:** Upon request, but not more than once per year, the applicant or project owner shall provide materials, education, and/or training, in coordination with the Town or County's Emergency Services staff, to the departments serving the solar energy in regard to safely responding to on-site emergencies.
- **Agency Approvals:** The Project's design, construction and testing shall meet relevant local state and federal standards as applicable. All active solar systems shall meet the requirements of the National Electrical Code (NEC), National Electrical Safety Code (NESC), American Society of Civil Engineers (ASCE), American National Standards Institute (ANSI), Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), or International Electro technical Commission (IEC), as applicable and state building code shall be inspected by a county building inspector through the building permit process. In the event of any conflict between these standards, the State Uniform Statewide Building Code shall apply.
- **Regulatory Approvals:** Approval of an Erosion and Sediment Control and Storm Water plan prior to commencing any land disturbance activity.
- **Waste Disposal:** Any solids or hazardous waste carried onto the site during construction, operation, or decommissioning will be contained and managed in accordance with applicable rules and regulations. Such materials include but not limited to materials used for the proper functioning of the plant and machinery, hydraulic oil, diesel, petroleum, grease, solvents, lubricants, paints, adhesives, and other oil-based products. The Applicant will also take all steps required to prevent the littering or contamination of the Project site or adjacent properties with such materials.

The Applicant has compiled this preliminary Project Summary, to the best of their knowledge, and based on the information currently available. The present document is subject to change and may be modified if new information becomes available and as design drawings are finalized prior to construction. The information contained in this document is preliminary and not intended to describe all the relevant information of the Project and is qualified in its entirety by the final application and site plans.

EXHIBIT C

NEW ENERGY EQUITY

AN ALLETE COMPANY

BUILDING CLEANER ENERGY, LEAVING BEHIND A BETTER WORLD.

ABOUT NEW ENERGY EQUITY

New Energy Equity, an ALLETE company, is a national end-to-end solar development and finance company, having successfully completed more than 250 projects totaling more than 330 megawatts across the United States.

Our focus is on developing, financing, operating and managing solar power generation assets, providing clean electricity to commercial, industrial, municipal, and utility customers. We have ranked on Solar Power World's "Top Solar Contractors" list every year since its inception and were voted one of the fastest-growing energy companies in D.C., Maryland, and Virginia by Inc. Magazine.

THE NEW ENERGY ADVANTAGE

A Personal Approach

When you partner with us, you'll receive a tailored approach and our commitment of integrity, ingenuity, dedication, and diligence, so that we thrive and succeed together. We pride ourselves on developing lasting relationships with the landowners we work with and their local communities.

A Proven Track Record

NEE has a proven track record of completing a much higher percentage of our projects than our competitors. Last year alone we developed more than 50 community solar projects across the US.

Solar Development Expertise

Our team includes experts in all aspects of solar projects including development, engineering, land acquisition, program management, legal diligence, construction, and financing. We share a dedication to clean energy and the nation's energy transformation.

SHARING THE BENEFITS OF SOLAR

With increased solar panel efficiency, lower install costs, and the opportunity for energy bill savings, the solar industry is the fastest growing renewable energy industry in the world. Entire communities can benefit from solar too, with community solar projects. Offering electricity savings for everyone, community solar projects utilize otherwise unused land by sharing the power generated between all residents.

SERVICES

Commercial Development
CSG Development
Asset Management
Financing
O&M

2022 TOP SOLAR CONTRACTORS
PRESENTED BY SOLAR POWER WORLD

2022 - 2021 - 2020 - 2019
2018 - 2017 - 2016 - 2015
2014 - 2013 - 2012

2021 Best Company WASHINGTON D.C.

AMERICA'S FASTEST-GROWING Inc. 5000 PRIVATE COMPANIES

STAR TRIBUNE READERS' CHOICE MINNESOTA'S Best

View our 250+ completed projects at:

www.newenergyequity.com/experience

HQ:
2530 Riva Road, Suite 200
Annapolis, MD 21401

LOCAL OFFICE:
2670 Patton Road
Roseville, MN 55113

development@newenergyequity.com

443-267-5012

EXHIBIT D

NEW ENERGY EQUITY

AN ALLETE COMPANY

How does Community Solar work?

What is community solar?
Solar panels are installed at a site in your community instead of on individual roofs. The clean energy generated by the community solar project is fed into the local power grid. That reduces the amount of fossil fuels that need to be burned to produce electricity in New York. Area residents can subscribe to the community solar project and get credits on their regular utility bill for the clean energy produced. Depending on the community solar project size, dozens or even hundreds of community members can subscribe to a single project.

Do I need to install anything in my home, on my roof, or on my property?
No. The community solar project is installed at a site in your area, but nothing needs to be installed at your home. There are no changes to your electric service, no new wires or equipment, and no one needs to come to your home from the utility or program.

How will the solar energy get to my home?
The clean energy generated by the community solar project will be fed into the local power grid operated by your utility. That means a portion of the electricity you already receive from your utility will now come from locally produced solar energy, reducing the amount of fossil fuels burned in New York State.

Where will my community solar project be located?
Solar for All is working with community solar projects throughout the State. When you sign up, we will try to match you with the one closest to your home. We'll let you know key information about the project, like where it is located, how big it is, and how much clean energy it generates each year.

Am I changing my utility?
No. You keep your account with your current electricity provider.

Do I need to let my utility know I am signing up for this?
No. NYSERDA and the solar developer that operates your community solar project will work together to inform your utility on your behalf. You don't need to call your utility or switch anything with your electric account. You don't need to provide any information beyond what is in the Solar for All application.

Who operates the community solar project?
A solar developer will operate the community solar project. Solar developers are private companies that design, install, and maintain community solar projects. The solar developers and projects participating in Solar for All will be selected by NYSERDA.

Is this the same as buying my energy from an Energy Services Company (ESCO)?
No. With a community solar subscription, you are receiving credits from a specific community solar project in New York State based on how much electricity it feeds into the local power grid. And with Solar for All, you are receiving that subscription at no cost to you.

Can I participate in Solar for All if I am already buying my energy from an Energy Services Company (ESCO)?
Yes. You can participate in Solar for All and do not need to make any changes with your ESCO or utility.=

Can I participate in Solar for All if I am already subscribed to a community solar project or have solar installed on my home?
No. Based on statewide regulations for all net metered and distributed generation technologies, a customer can only receive solar from one source. That means a customer can have solar on their roof (if they happen to be a homeowner) or they can subscribe to a single community solar project.

However, if resident signs up for Solar for All, and at any point in the future would like to install solar on their roof or switch to a different community solar project, they can contact NYSERDA and cancel their Solar for All subscription. There is no fee or penalty for doing that at any time.

Will I still have electricity on cloudy days? How about at night?
Yes, because you will still be getting your electricity from the grid operated by your utility, you don't need to worry about not having electricity if it isn't sunny outside.

If utility lines go down in my area, will I still have power because I have solar energy?
No, you will still have the utility's power lines going into your home. If there is an interruption in utility service, it will still affect your home.

Source: NYSERDA
https://www.nyserda.ny.gov/All-Programs/NY-Sun/Solar-for-Your-Home/Community-Solar/Solar-for-All/Frequently-Asked-Questions

EXHIBIT E

Scope of Service Requirements – New York Projects

Tier 1 Diligence Items

Phase I – Environmental Site Assessment

- The completion a Phase I Environmental Site Assessment (ESA) in accordance with American Society of Testing and Materials (ASTM) Standard E-1527. The report of findings is intended to provide guidance for parties to a transaction and/or to the owners and operators who are interested in the condition of real property, documenting and evaluating the recognized environmental conditions.
    - Conduct the required site investigations and evaluations of the project parcels to compose a thorough evaluation of the recognized environmental conditions and associated assessment to qualify for the innocent landowner defense to CERCLA liability contingent upon the change of ownership and redevelopment of the associated building.
    - Conduct the necessary project screening interviews of parcel owner(s) or assigned, local agencies, etc. in accordance with ASTM 1528, to ensure the standard of appropriate inquiry is performed. The Client shall provide contact information for the owners and assist in coordinating access to the parcels for inspection.
    - Conduct a thorough evaluation of environmental database resources for the parcels as shall be completed using Environmental Data Resources Lite Box services.
    - Prepare and submit one (1) electronic copy for the parcel consisting of a detailed report summarizing the findings, development needs and limitations associated with the environmental conditions, etc. Hard copies will be available upon request.

Wetland Assessment

- The delineation of regulatory waters and wetland reporting associated with the property.
    - Perform an on-site Regulated Waters Delineation within the limits of study, collect flagged locations utilizing sub-meter GPS, and prepare a delineation report.
    - Deliverables include a regulated waters report, a geo-referenced shape file of any delineated features, and a plan view of any delineated regulatory features.
    - Final Wetland Delineation report submit ed for agency review, according to specific Project requirements.

Cultural SHPO Let er

- Review the New York State Office of Parks Recreation and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping to identify potentially archaeological and culturally sensitive areas as well as historic properties and districts in or adjacent to the project area.
    - Request NYSOPRHP determination regarding the potential for the project to impact archaeological, historic, and cultural resources based on collected photographs,

geolocated resource, and preliminary project information. It is assumed the NYSOPRHP office will issue a no effect determination and detailed studies would not be required under this task.

Cultural/Historic Resource Survey

- If SHPO requests a Phase 1A Archaeological Investigation, coordinate completion of a Phase IA Background Research and Sensitivity Assessment and Basic Architectural Review for the Project. The Cultural Reports will be performed as follows:
    - Review environmental setting of project area (physiography, geology, and soil data).
    - Determine expected depth of potential cultural resources from environmental data.
    - Conduct historical research and indicate location of project area on topographic maps, soil survey maps, and historic maps.
    - Search the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) and New York State Museum (NYSM) files to locate archaeological sites within 1 mile of the project area. The site file search will also identify historic properties in or eligible for inclusion in the National Register of Historic Places (NR) and the National Register Eligible listing (NRE).
    - Develop archaeological sensitivity model for the project area.
    - Field reconnaissance (photograph general field conditions and archaeologically sensitive locations within the project area).
    - Plot locations of photographs, archaeologically sensitive locations, and proposed substantial ground-disturbing activities on site plan.
    - Utilize data from background research, sensitivity assessment, and field observations to develop a Phase IB field investigation methodology, as necessary.
    - Incorporate data into Phase IA report and submit report to the NYSOPRHP for review.
    - Provide digital copy of Phase IA report to NEE.
    - Take new, ground level, unobstructed, digital photographs of all buildings and/or structures built prior to 1974 that are within or on parcels adjacent to the proposed project property and/or in the near vicinity.
    - Provide address, age, and a basic description of each building and/or structure, as available.
    - Define the survey area boundary to include all resources surveyed and submit the records for each resource as separate and distinct entries in the NYSOPRHP Cultural
    - Resource Information System (CRIS).
    - Provide basic let er report summarizing the results of the architectural review.
- These documents will be submit ed for review by NYSOPRHP to identify potentially archaeological and culturally sensitive areas as well as historic properties and districts in or adjacent to the project area.

Threatened and Endangered Species Investigation

- Confirm species of concern that are identified through the USFWS IPaC resource. Through submission of a Protected Species Report, provide a habitat suitability analysis for the listed

threatened and endangered species, identify anticipated impact and avoidance measures based upon preliminary design, as well as the need for further agency consultation.

NHR/NHIS Let er (NY Natural Heritage Review)

- Where the NYSDEC Environmental Resource Mapper indicates potential for species of concern, HUNT will initiate a request for New York Natural Heritage Program (NYNHP) species let er.

FAA Determination Let ers

- Submit coordinates of corners covering the site plan area to the FAA for approval.

Tier 2 Diligence Items

- The ALTA Survey must be prepared in strict accordance with the Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys and show the following:

    a. The title or caption should read "ALTA/NSPS Land Title Survey:

    b. Include the graphic scale, legend, and basis of bearing.

    c. Point of Beginning must be clearly labeled.

    d. The North direction indicated by an arrow.

    e. The width of the ROW must be noted.

    f. The road being accessed should be noted as being public or private.

    g. Total acreage of the fee simple property in acres and square feet.

    h. Total acreage of the Lease Parcel and any Easement Parcels in acres and square feet.

    i. The tax parcel number of the parcel should be included on the survey.

    j. The courses and distances of the entire perimeter (Parent Parcel) must be depicted. No distances shall be marked "more or less" except those that begin, terminate or bind in water.

    k. If the parcel being leased does not include the entire parent parcel, it must include a consolidated perimeter metes-and-bounds legal description of the subject property (usually the "Lease Parcel" and any "Easement Parcels"). Said description should be match the legal description at ached to the site control documents and title policy.

    l. Interior lines and facts sufficient to enable the title insurance company to insure contiguity if the Property comprises several parcels, or if a singular parcel, information sufficient to

insure contiguity to the nearest road. All gaps, strips or gores must be shown with dimensions.

m. The surveyor should note, as applicable and appropriate, "The Lease Parcel has direct (or indirect) access to [X road], a public road, for public use, without gaps or gores."

n. Location and grade of all improvements, and physical characteristics of the Property, such as the solar facility, walls, streets, parking lots, fences, buildings, driveways, visible utility installations, cemeteries, wetlands, and all monuments and markers.

o. The location of any and all recorded easements or rights of way that can be located (such as utility easements, set-backs, access easements, party walls, easements and rights of way required by municipality, etc.) with each recording reference shown on the survey. If any easements or rights of way cannot be located, please state so on the survey.

p. The most recent title commitment, including its effective date and company issuing the commitment must be on the face of the survey.

q. All Schedule BII items from the most recent title commitment should be referenced on the face of the survey. If the exception is plot able, it must be plot ed on the survey. If the exception is not plot able, the survey needs to note that it is "not plot able" and the reason it is not plot able – that it's blanket in nature or does not affect the property.

r. Any appurtenant easement that are plot able must also be plot ed on the survey.

s. Please label all access points with the word "Access".

t. Zoning classification and use of the property and location of any lines that divide the property into difference zoning classifications. If known, zoning setbacks should be listed and plot ed on the survey.

u. Flood Zone. Include the flood zone for the property on the face of the survey.

v. Topography: One-foot contours for the proposed lease area. Topographical Maps will be referenced to the North American Datum of 1983 (NAD83), if available, and to the North American Vertical Datum of 1988 (NAVD88). Spot elevations affecting the design of the facilities will be provided on the Topographical Map such as ground elevations, elevations on existing utilities, and on visible surface features within the area to be surveyed. Break points or changes in grades or terrain will be provided, such as tops of hills, bot oms of ditches and gullies, high bank elevations, etc.

w. The surveyor should explicitly note, "All substantial features observed during the fieldwork are plot ed hereon, including any above-ground utilities."

x. The survey should note, "The property described hereon is the same property described in that certain Title Commitment issued by [X] (Commitment No. [X], dated as of [X]."

y. Any encroachments, whether involving property lines, easements, improvements, fences, overhangs, etc., should be depicted and called out on the Survey.

z. Wetlands (even if identified by others)

aa. Site plan: An overlay of the proposed system including racking, fence, equipment pad, AC run, costumer owned and utility owned poles, access road, and landscaping.

bb. Tree line around perimeter of lease area including distance from fence line and tree heights. Note: This item is not required if we already have a tree survey.

cc. The Point of Interconnection and the Point of Commencement must be identified.

dd. Surveyors Certification should reflect the following:

To: To New Energy Equity LLC, , (Project Co), (name of lender), (name of insurer), and (names of others as negotiated with the client):

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1 – 6, 7(a) as applicable, 7(b) – as applicable, 7(c), 8, 9, 11(a), 13, 14, and 16 – 19, and 20 (wetlands) of Table A thereof. The fieldwork was completed on _____ [date]. Date of Plat or Map: _____

ee. The survey should include the Surveyor's name, address, telephone number, company website, email address, official seal, registration number and signature.

ff. A copy of the surveyor's current certificate of insurance.

TITLE REQUIREMENTS

1. ALTA Title Commitment with an effective date within 30 days of delivery of the commitment.

2. ALTA Proforma Title Policy, without standard exceptions, that includes the following endorsements:

ALTA 3.2-06 (Zoning –Land Under Development) or ALTA 3-06 (Unimproved Land) or ALTA 3.1-06 (Completed Structure)
ALTA 8.2-06 (Commercial Environmental Protection Lien)

ALTA 9.9-06 (Private Rights) or ALTA 9.6-06 (Private Rights – Loan Policy)
ALTA 15 (Non-Imputation)
ALTA 17-06 (Access and Entry) or ALTA 17.1-06 (Indirect Access and Entry)
ALTA 17.2-06 (Utility Access)
ALTA 18-06 (Single Tax Parcel) or ALTA 18.1-06 (Multiple Tax Parcel), as applicable
ALTA 19.1 -06 (Contiguity - Single Parcel) or ALTA 19-06 (Contiguity – Multiple Parcel) - only as applicable
ALTA 22-06 (Location)
ALTA 25-06 (Same as Survey)
ALTA 26-06 (Subdivision) - as applicable only
ALTA 31-06 (Severable Improvements)
ALTA 35.3-06 (Minerals and Other Subsurface Substances – Land Under Development), ALTA 35.1-06 (Minerals and other Subsurface Substances – Improvements) and/or ALTA 35.2-06 (Minerals and Other Subsurface Substances - Described Improvements)
ALTA 36-06 (Energy Project - Leasehold/Easement - Owner's Form), ALTA 36.2-06 (Energy Project - Leasehold Owners) ALTA 36.1-06 (Energy Project – Leasehold/Easement – Loan) and/or ALTA 36.3-06 (Energy Project – Leasehold –Loan Policy)
ALTA 36.4-06 (Energy Project - Covenants, Conditions and Restrictions - Land Under Development, Owner's Form), and/or ALTA 36.5-06 (Energy Project – Covenants, Conditions and Restrictions – Land Under Development – Loan)
ALTA 36.6-06 (Energy Project - Encroachments)
ALTA 39-06 (Policy Authentication)
Deletion of Arbitration
Extended Coverage
First American Endorsement - Energy Project - Special Measure of Loss

SUBMITTAL REQUIREMENTS

A. Drawing requirements.
    1. Drawing Sheet Size: preferred 24 inch x 36 inch, Maximum 30 inch x 42 inch.

2. Survey Scale: 1 inch equals 100 feet or smaller is preferred.
3. Enlarged Detail Areas: Scale as required to present dimensional data and survey information clearly. Maintain orientation aligned with smaller scale view.
4. Plan Orientation: North arrow at top of drawing sheet.
5. Provide pdf and cad deliverable.
6. Include any field notes or documentation.

B. Drawing Notations:
1. Land Surveyor: Name, address, telephone number, signature, seal, and registration number.
2. Survey Dates: Date survey was initially completed and subsequent revision dates.
3. Certification: Certify each drawing adjacent to land surveyor's seal.

Geotechnical Study

- Soil Borings and Tes□ng
  - Prior to drilling or excavating, NY State One Call will be contacted to arrange for notification of the appropriate utility vendors to mark and clear the exploration locations of public underground utilities.
  - Exploration locations will be located by GTA using a recreational grade GPS. Therefore locations will be approximate, and elevations will be determined from the Plans.
  - Arrange for a tracked or ATV-mounted drill rig to be mobilized to the site. Unless otherwise advised, it is assumed that GTA and the subcontractor have permission to enter the site at a convenient location, and traverse the site as needed to access the exploration locations. No clearing is presumed and if clearing is needed, additional costs will apply.
  - Perform up to 8 Standard Penetration Test (SPT) borings with interval sampling to depths of up to 20 feet or prior to auger refusal in accordance with the Specification. If auger refusal is encountered shallower than 10 feet, a minimum 5-foot rock core may be performed in up to two borings. The borings will be backfilled with drill spoils. No other surface restoration will be performed, and all extra spoils will be spread around the borehole.
  - Provide a full-time geotechnical professional to coordinate and log the explorations. The professional will visually classify the soil samples, obtain samples for testing, record encountered groundwater levels and prepare logs.
  - Perform 1-D field electrical resistivity testing at one location using the Wenner Four Pin Elecrode Mthod in general accordance with ASTM G-57. At each location, two perpendicular lines (N/S and E/W) will be performed. Each line will have up to 8 electrode spacings (2.5, 5, 10, 15, 20, 25, 30 and 60 ft). The test areas will be limited to areas that do not require clearing of crops/vegetation or leveling. Test results will be compromised by areas of interference, such as standing water, frozen soil, buried metals/utilities, and shallow bedrock.
  - Perform laboratory testing to evaluate the general engineering characteristics of the soil. The following tests will be performed: 20 Moisture Content (ASTM D2216), 2 At erberg

Limits (ASTM D4318), 2 Grain Size (Sieve) Analysis (ASTM D422), 1 Standard Proctor (ASTM D698), 1 Corrosion Test, 1 Thermal Resistivity (ASTMD5335)
    - The field electrical soil resistivity testing cannot be completed with frozen ground conditions. The testing will be completed at a later date when conditions allow. The results will be submit ed as an Addendum to the Report.
- Geotechnical Evaluation Reporting
    - Prepare a geotechnical engineering report that contains the results of our field explorations and lab analyses, and our recommendations for design and construction as summarized in the Specification. The report will include exploration location plans, typed boring logs, field electrical resistivity test results, laboratory testing results, and recommendations for the following:
        - Data obtained from the borings and laboratory tests will be used to evaluate the subsurface profile and groundwater conditions, perform engineering analyses related to the structure design and performance, and prepare an electronic report, including the following:
            - A summary of the subsurface profile and groundwater conditions.
            - Reuse of on-site materials during construction.
            - Impact of groundwater on construction and necessary dewatering measures.
            - Preparing structure subgrades, including excavation support, if applicable, and the selection, placement, and compaction of excavation backfill and other structural fill.
            - Soil parameters for use in foundation design for solar arrays, including LPILE parameters.
            - Design parameters and construction measures for equipment slabs and access roads.

EXHIBIT F.a.

WALOWSKY 2 CSG

1 ARRAY LOCATION

Scale: 1" = 2000'

2 OVERHEAD MAP

Scale: 1" = 400'

SHEET INDEX

SHEET #	DESCRIPTION	REVISION #	REVISION DATE
T1	TITLE PAGE	4	2/21/2024
PV1	PROJECT OVERVIEW	4	2/21/2024
PV2	SITE PLAN	4	2/21/2024
PV3	SETBACKS MAP	4	2/21/2024
PV4	PID MAP	2	2/1/2024
PV5	SOIL MAP	2	2/1/2024
PV6	TOPOGRAPHY & DRAINAGE PATTERNS	3	2/13/2024
PV7	FACILITY AREA DETAIL	2	2/1/2024
PV8	SAT RACKING DETAIL	2	2/1/2024
PV9	FENCE DETAIL	3	2/13/2024
PV10	INFILTRATION BASIN DETAIL	2	2/1/2024
E1A	SINGLE LINE DIAGRAM A	3	2/13/2024
E1B	SINGLE LINE DIAGRAM B	3	2/13/2024
E2A	EQUIPMENT LABELS A	2	2/1/2024
E2B	EQUIPMENT LABELS B	2	2/1/2024
E3	ELECTRICAL DETAILS	3	2/21/2024
E4A	MODULE AND INVERTER SPEC SHEETS	2	2/1/2024
E4B	RACKING SPEC SHEET	2	2/1/2024
E4C	TRANSFORMER SPEC SHEET	2	2/1/2024
E5	MODULE CERTIFICATIONS	2	2/1/2024
E6	INVERTER CERTIFICATIONS	2	2/1/2024

PROJECT TEAM

PROJECT OWNER
CAYUGA CSG 2 LLC
2530 RIVA RD SUITE 200
ANNAPOLIS, MD 21401

PROJECT DEVELOPER
NEW ENERGY EQUITY LLC
2530 RIVA RD SUITE 200
ANNAPOLIS, MD 21401

GENERAL INFO

PROJECT ACREAGE
PARCEL ACREAGE: ~22.24 ACRES
LEASE PREMISES AREA / FENCED AREA: ~17.78 ACRES
LIMITS OF PERMITTING: ~22.02 ACRES
AREA COVERED BY SOLAR MODULES: ~5.36 ACRES
LOT COVERAGE (AREA OF SOLAR MODULES/PARCEL AREA): ~24.10%

PARCEL DESCRIPTION
PROPERTY OWNER: WALOWSKY LIVING TRUST
PARCEL ID NUMBER: 112.19-1-3.1
ZONING CLASSIFICATION: AGRICULTURAL / RESIDENTIAL
APPLICATION TYPE: TIER 3 SOLAR ENERGY SYSTEM

SETBACKS
FRONT LOT LINE SETBACK: 40'
SIDE LOT LINE SETBACK: 15'
OBSERVED SUB-TRANSMISSION LINE SETBACK: 30'

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS	
6310 CAYUGA RD CAYUGA, NY 13034	LAT: 42.9237 LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

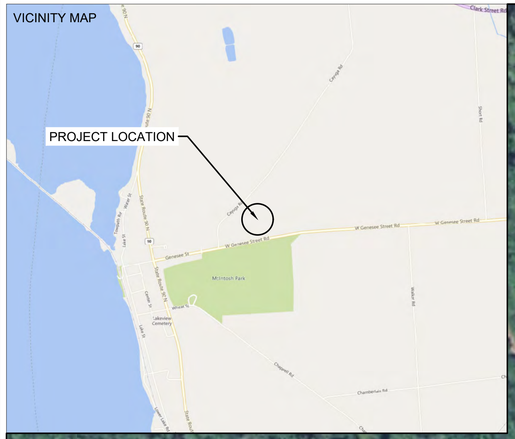
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
TITLE PAGE

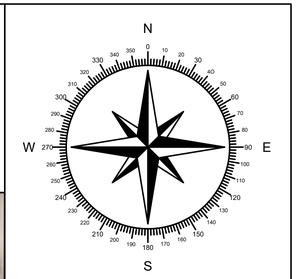
SCALE [1]
AS NOTED 0 1" 2"

SHEET
T1

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.



SPACE FOR PE STAMP:



SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

PROJECT AREA

PARCEL BOUNDARY
PID: 112.19-1-3.1

CAYUGA ROAD

W GENESEE ST RD

LEGEND

- 40' SETBACK FROM FRONT LOT LINES
- 15' SETBACK FROM SIDE LOT LINES
- PARCEL BOUNDARY (PID: 112.19-1-3.1)
- EXISTING OVERHEAD UTILITY LINE
- PROPOSED OVERHEAD LINE EXTENSION
- EXISTING SUB-TRANSMISSION LINE (WITH 30' OBSERVED SETBACKS, NTS)
- PROPOSED NEW UNDERGROUND ELECTRICAL LINE
- TREE CLEARING AREA (~3.03 ACRES)
- 20' WIDE SCREENING BUFFER (~0.73 ACRES)
- EXISTING TREES TO BE MAINTAINED FOR USE AS A SCREENING BUFFER (~1.19 ACRES)
- ARRAY FENCE LINES (NORTH FENCE: ~2600' AND ~7.18 ACRES; SOUTH FENCE: ~ 2770' AND ~10.60 ACRES)
- 15' ACCESS ROAD (~780' LENGTH)
- FACILITY AREA (DETAILED ON PV7, ~21.88 ACRES)

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

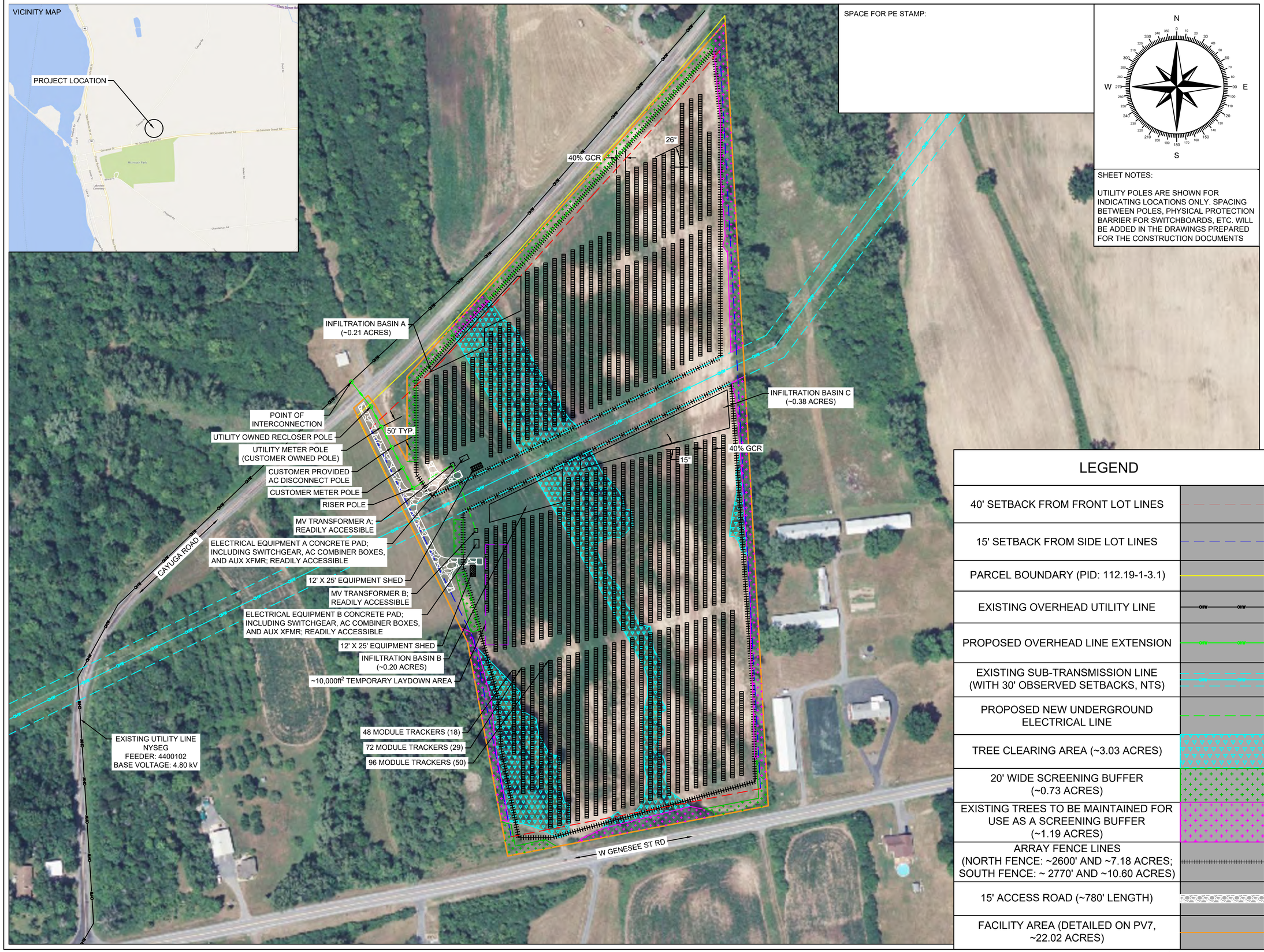
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
PROJECT OVERVIEW

SCALE [1]
1" = 90'
0 1" 2"

SHEET
PV1

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.



SPACE FOR PE STAMP:

SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

LEGEND

40' SETBACK FROM FRONT LOT LINES	
15' SETBACK FROM SIDE LOT LINES	
PARCEL BOUNDARY (PID: 112.19-1-3.1)	
EXISTING OVERHEAD UTILITY LINE	OHW
PROPOSED OVERHEAD LINE EXTENSION	OHW
EXISTING SUB-TRANSMISSION LINE (WITH 30' OBSERVED SETBACKS, NTS)	
PROPOSED NEW UNDERGROUND ELECTRICAL LINE	
TREE CLEARING AREA (~3.03 ACRES)	
20' WIDE SCREENING BUFFER (~0.73 ACRES)	
EXISTING TREES TO BE MAINTAINED FOR USE AS A SCREENING BUFFER (~1.19 ACRES)	
ARRAY FENCE LINES (NORTH FENCE: ~2600' AND ~7.18 ACRES; SOUTH FENCE: ~ 2770' AND ~10.60 ACRES)	
15' ACCESS ROAD (~780' LENGTH)	
FACILITY AREA (DETAILED ON PV7, ~22.02 ACRES)	

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

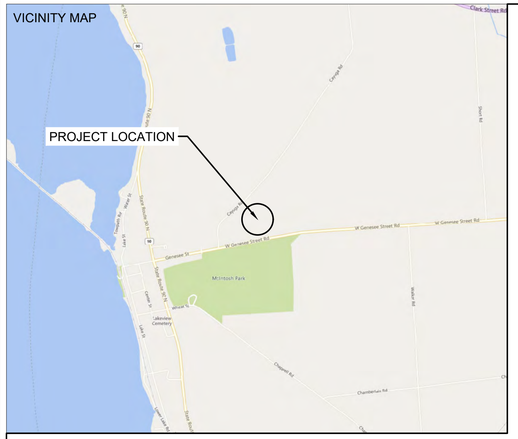
DRAWING TITLE
SITE PLAN

SCALE [1]
1" = 90'
0 1" 2"

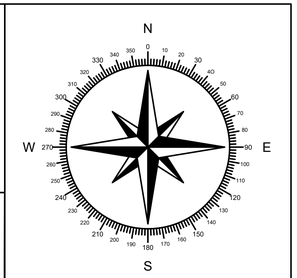
SHEET
PV2

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

VICINITY MAP



SPACE FOR PE STAMP:



SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

LEGEND

50' SETBACK FROM PARCEL BOUNDARY	
15' SETBACK FROM SIDE LOT LINES	
PARCEL BOUNDARY (PID: 112.19-1-3.1)	
EXISTING OVERHEAD UTILITY LINE	OHW
PROPOSED OVERHEAD LINE EXTENSION	OHW
EXISTING SUB-TRANSMISSION LINE (WITH 30' OBSERVED SETBACKS, NTS)	
PROPOSED NEW UNDERGROUND ELECTRICAL LINE	
ARRAY FENCE LINES (NORTH FENCE: ~2600' AND ~7.18 ACRES; SOUTH FENCE: ~ 2770' AND ~10.60 ACRES)	
15' ACCESS ROAD (~780' LENGTH)	

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
SETBACKS MAP

SCALE [1]
1" = 90'

0 1" 2"

SHEET
PV3

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

VICINITY MAP

PROJECT LOCATION

PID:112.00-1-15
LO: CHAPPELL, PETER & CHAPPELL, BRIAN

PID:112.00-1-14.11
LO: QUILL FARMS INC

PID:112.00-1-17
LO: PINCKNEY SHEEP FARMS LLC

Cayuga Rd

PID:112.19-1-3.3
LO: CAYUGA RIDGE-RUNNERS

PID:112.19-1-1.12
LO: DWELLO, SHAWN R. & MINTURN, JAMES A.

PARCEL UNDER CONSIDERATION
PID: 112.19-1-3.1
LO: WALOWSKY LIVING TRUST

PID:112.00-1-19.11
LO: HORST, ROY & HORST, LINDA

PID:112.00-1-21.123
LO: J&J PATTERSON HOLDINGS, LLC.

PID:119.07-1-6
LO: PALMER, RICHARD & PALMER BARBARA

PID:119.07-1-4
LO: PALMER, RICHARD C. & PALMER, JEAN C.

PID:119.07-1-5
LO: MOTT, DONNA

PID:112.19-1-2
LO: NYS ELECTRIC & GAS CORP.

PID:119.07-1-7.2
LO: BROWN, KRIS

PID:112.19-1-3.2
LO: QUILL, DANIEL L. & QUILL, KATHY B.

PID:112.19-1-4
LO: VILLAGE OF CAYUGA

PID:112.00-1-19.12
LO: UNION SPRINGS

PID:112.00-1-19.2
LO: THURSTON, THOMAS

PID:112.00-1-20.211
LO: MARLOWE, NORENE W. & MARLOWE, ERIC W.

W Genesee St

PID:119.07-1-7.1
LO: MALLORY, JAMES & MALLORY MARGARET

PID:119.00-1-3.2
LO: CHILSON, WILLIAM G. & CHILSON, MICHELLE A.

PID:119.00-1-4.2
LO: IRWIN, NELSON R. & IRWIN, JUDITH D.

PID:119.00-1-8.1
LO: CUFF, SIDNEY III & CUFF, LAURA

1

PID:119.07-1-49
LO: CUNNINGHAM, DAVID C.

PID:119.07-1-11.1
LO: KINNAMAN, KENNETH & KINNAMAN, DANNIELLE

PID:119.07-1-9
LO: BEDELL, JEFFREY L. & BEDELL, ROBB W

PID:119.07-1-8.1
LO: VILLAGE OF CAYUGA

PID:119.07-1-47.12
LO: CUNNINGHAM, DAVID C.

PID:119.07-1-47.111
LO: CUNNINGHAM, DAVID C.

PID:119.07-1-47.111
LO: CUNNINGHAM, DAVID C.

PID:119.00-1-4.1
LO: DESOCIO, JAMES L.

PID:119.00-1-6
LO: YOUNGS, REBECCA L.

PID:119.00-1-5
LO: WALTERS, DEBORAH & WALTERS, RICHARD

SPACE FOR PE STAMP:

N
W
E
S

SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS			
#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

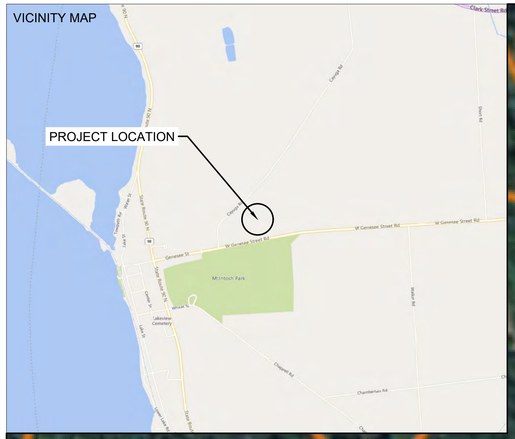
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
PID MAP

SCALE [1]
1" = 140'
0 1" 2"

SHEET
PV4

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.



SPACE FOR PE STAMP:

N
W E
S

SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

SOIL MAP LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME	ACRES IN ARRAY FENCE	PERCENT OF ARRAY FENCE ACREAGE
NORTH FENCE			
CeB	CAZENOVIA SILT LOAM, 2 TO 8 PERCENT SLOPES	0.95	13.59
CeCK	CAZENOVIA SILT LOAM, ROLLING	2.30	32.83
CeD	CAZENOVIA SILT LOAM, 12 TO 20 PERCENT SLOPES	0.53	7.53
KlA	KENDAIA AND LYONS SOILS, 0 TO 3 PERCENT SLOPES	3.04	43.39
OvB	OVID SILT LOAM, 2 TO 6 PERCENT SLOPES	0.19	2.68
SOUTH FENCE			
CeCK	CAZENOVIA SILT LOAM, ROLLING	1.33	12.95
CeD	CAZENOVIA SILT LOAM, 12 TO 20 PERCENT SLOPES	5.66	55.28
KlA	KENDAIA AND LYONS SOILS, 0 TO 3 PERCENT SLOPES	2.84	27.75
OtF	ONTARIO, HONEOYE, AND LANSING SOILS, 35 TO 50 PERCENT SLOPES	0.41	4.02

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

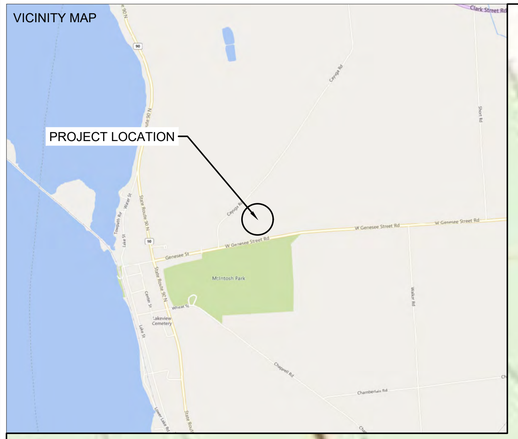
DRAWING TITLE
SOIL MAP

SCALE [1]
1" = 90'
0 1" 2"

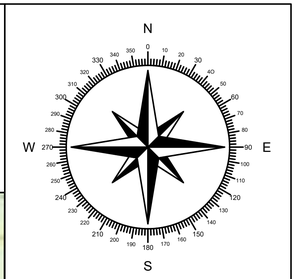
SHEET
PV5

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

VICINITY MAP

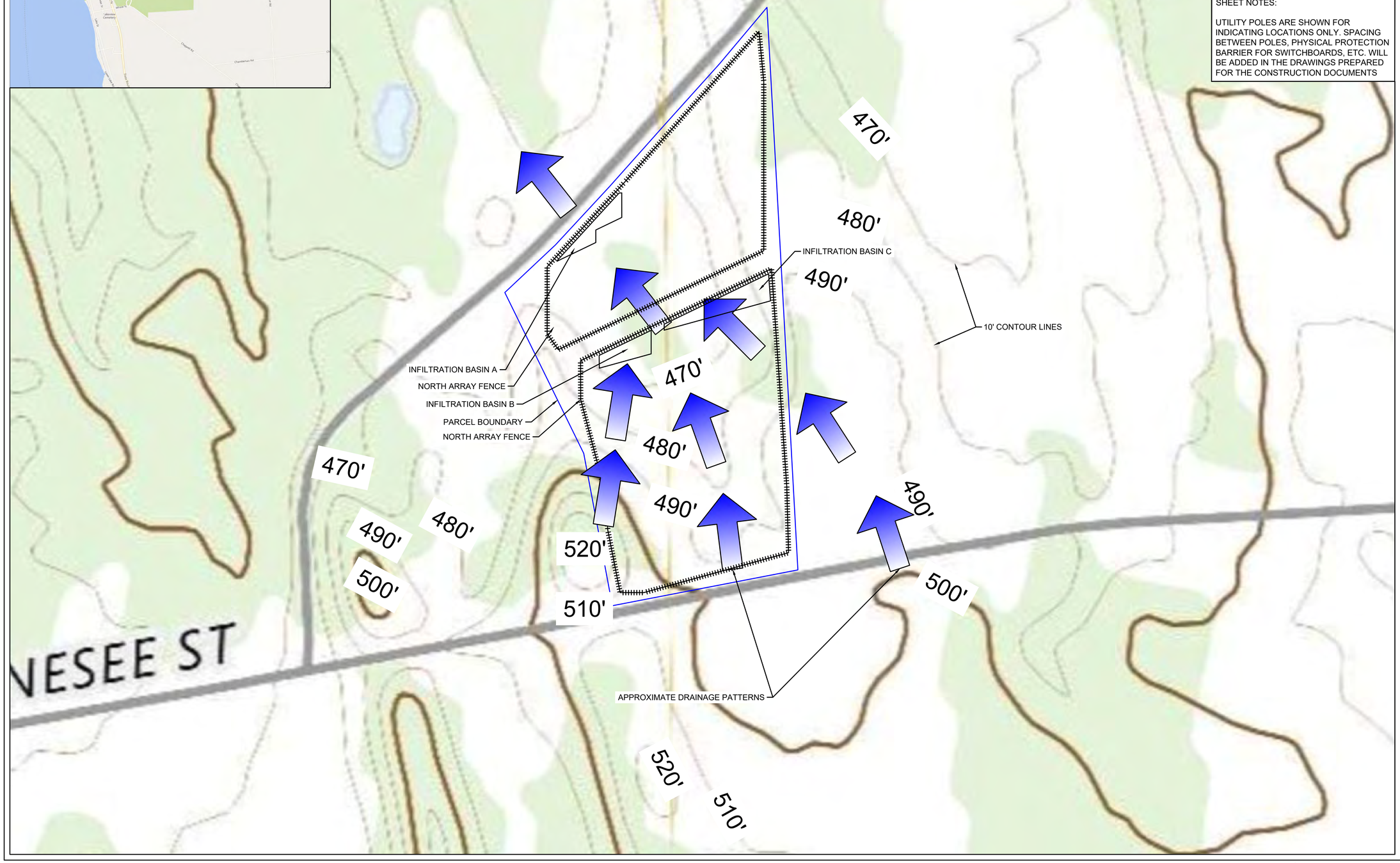


SPACE FOR PE STAMP:



SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS



NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS			
#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

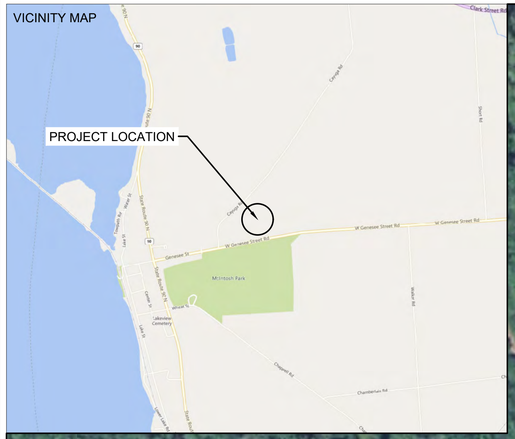
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
TOPO & DRAINAGE PATTERNS

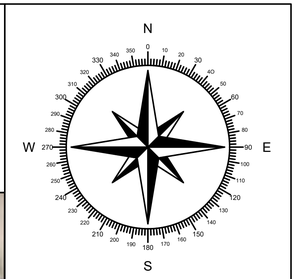
SCALE [1]
1" = 140'
0 1" 2"

SHEET
PV6

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.



SPACE FOR PE STAMP:



SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

20'

2"

2"

FACILITY AREA
- 20' FROM ARRAY FENCE
- 10' FROM ACCESS ROAD
- 10' FROM CUSTOMER POLES
- INCLUDES SCREENING BUFFER AREA (~21.88 ACRES)

LEGEND

- 40' SETBACK FROM FRONT LOT LINES
- 15' SETBACK FROM SIDE LOT LINES
- PARCEL BOUNDARY (PID: 112.19-1-3.1)
- EXISTING OVERHEAD UTILITY LINE
- PROPOSED OVERHEAD LINE EXTENSION
- EXISTING SUB-TRANSMISSION LINE (WITH 30' OBSERVED SETBACKS, NTS)
- PROPOSED NEW UNDERGROUND ELECTRICAL LINE
- TREE CLEARING AREA (~3.03 ACRES)
- 20' WIDE SCREENING BUFFER (~0.73 ACRES)
- EXISTING TREES TO BE MAINTAINED FOR USE AS A SCREENING BUFFER (~1.19 ACRES)
- ARRAY FENCE LINES (NORTH FENCE: ~2600' AND ~7.18 ACRES; SOUTH FENCE: ~ 2770' AND ~10.60 ACRES)
- 15' ACCESS ROAD (~780' LENGTH)
- FACILITY AREA (~21.88 ACRES)

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

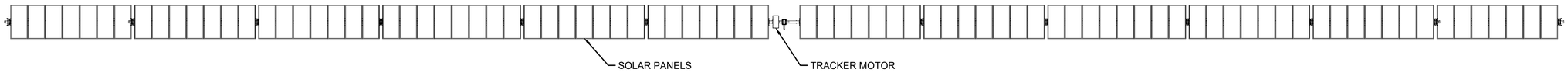
DRAWING TITLE
FACILITY AREA DETAIL

SCALE [1]
1" = 90'

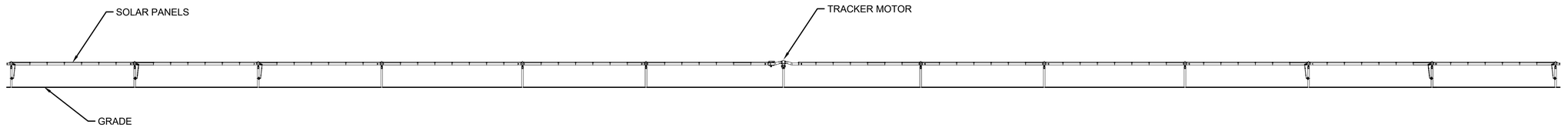
0 1" 2"

SHEET
PV7

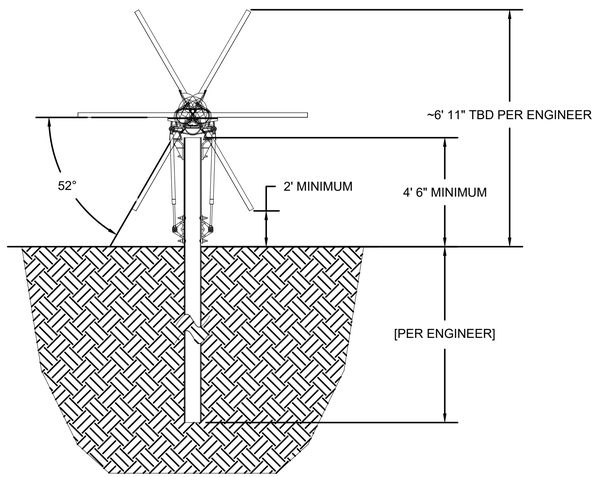
[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.



1 SINGLE AXIS TRACKER TOP DOWN VIEW
NTS



2 SINGLE AXIS TRACKER EAST-WEST ELEVATION
NTS



3 SINGLE AXIS TRACKER NORTH-SOUTH ELEVATION
NTS

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

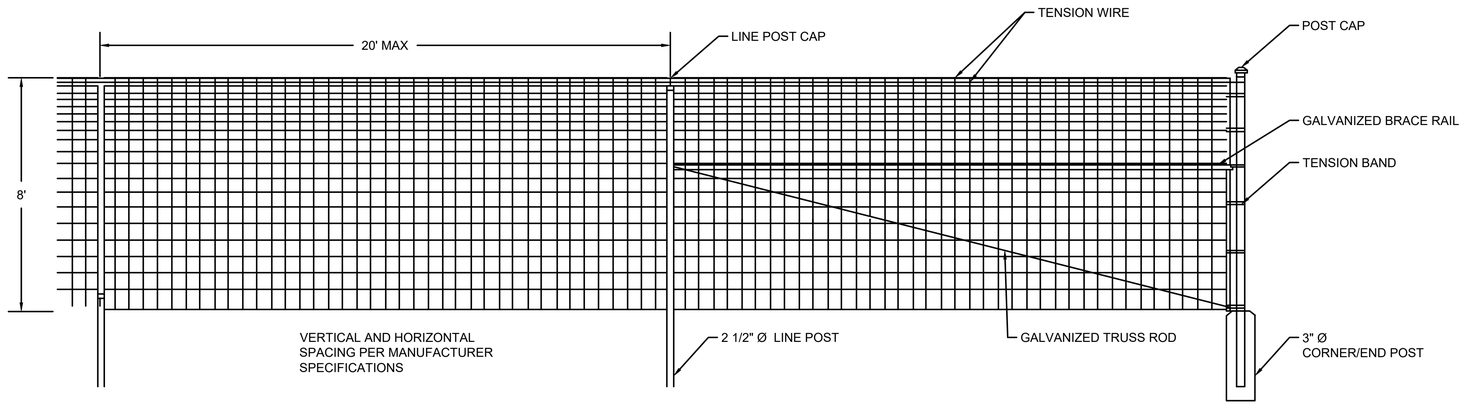
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
SAT RACKING DETAIL

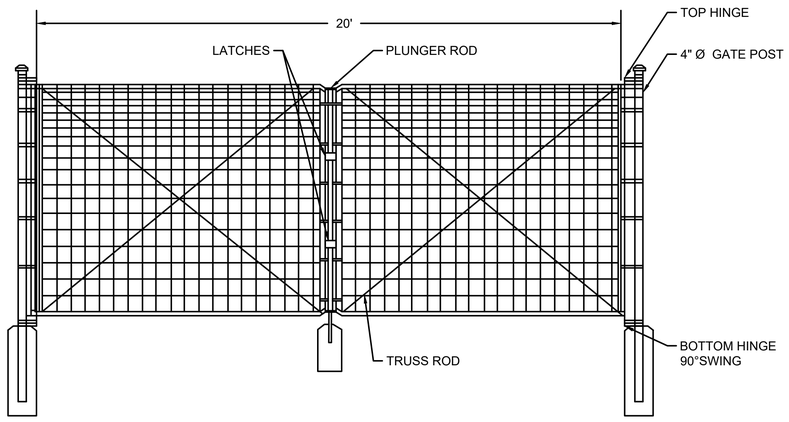
SCALE [1]
NTS

SHEET
PV8

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.



1 8' FIXED KNOT FENCE
NTS



2 8' FIXED KNOT FENCE GATE
NTS

NOTE:
1. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED FOR CONTRUCTION.
2. DO NOT SCALE DRAWING

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

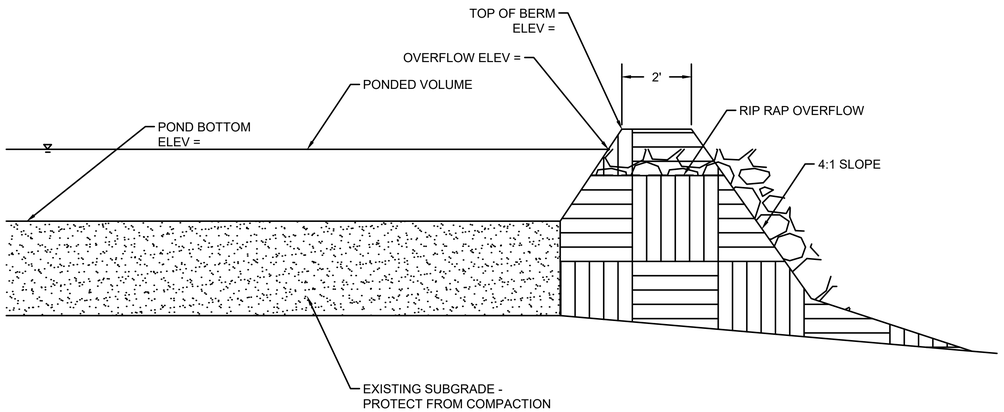
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
FENCE DETAIL

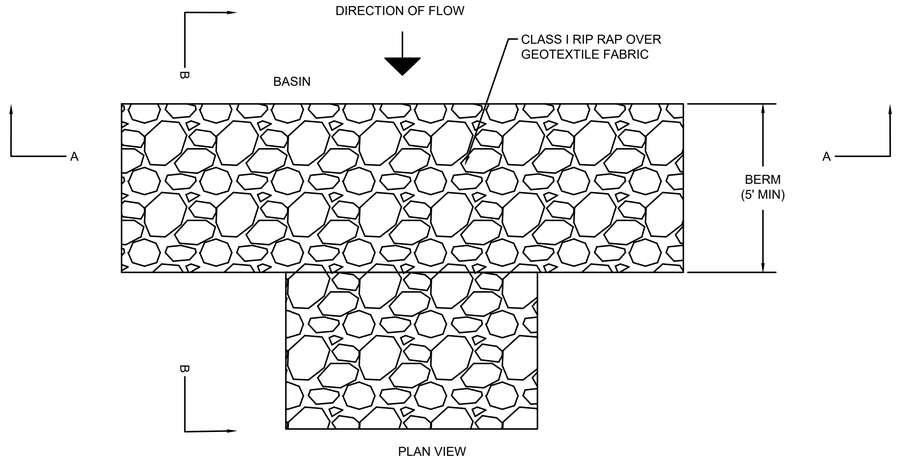
SCALE [1]
NTS

SHEET
PV9

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

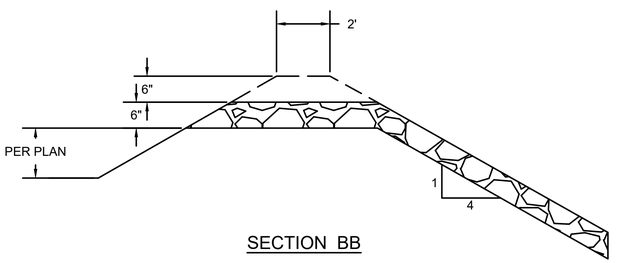


1 INFILTRATION BASIN
NTS



PLAN VIEW

SECTION AA



SECTION BB

2 RIP RAP OVERFLOW
NTS

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

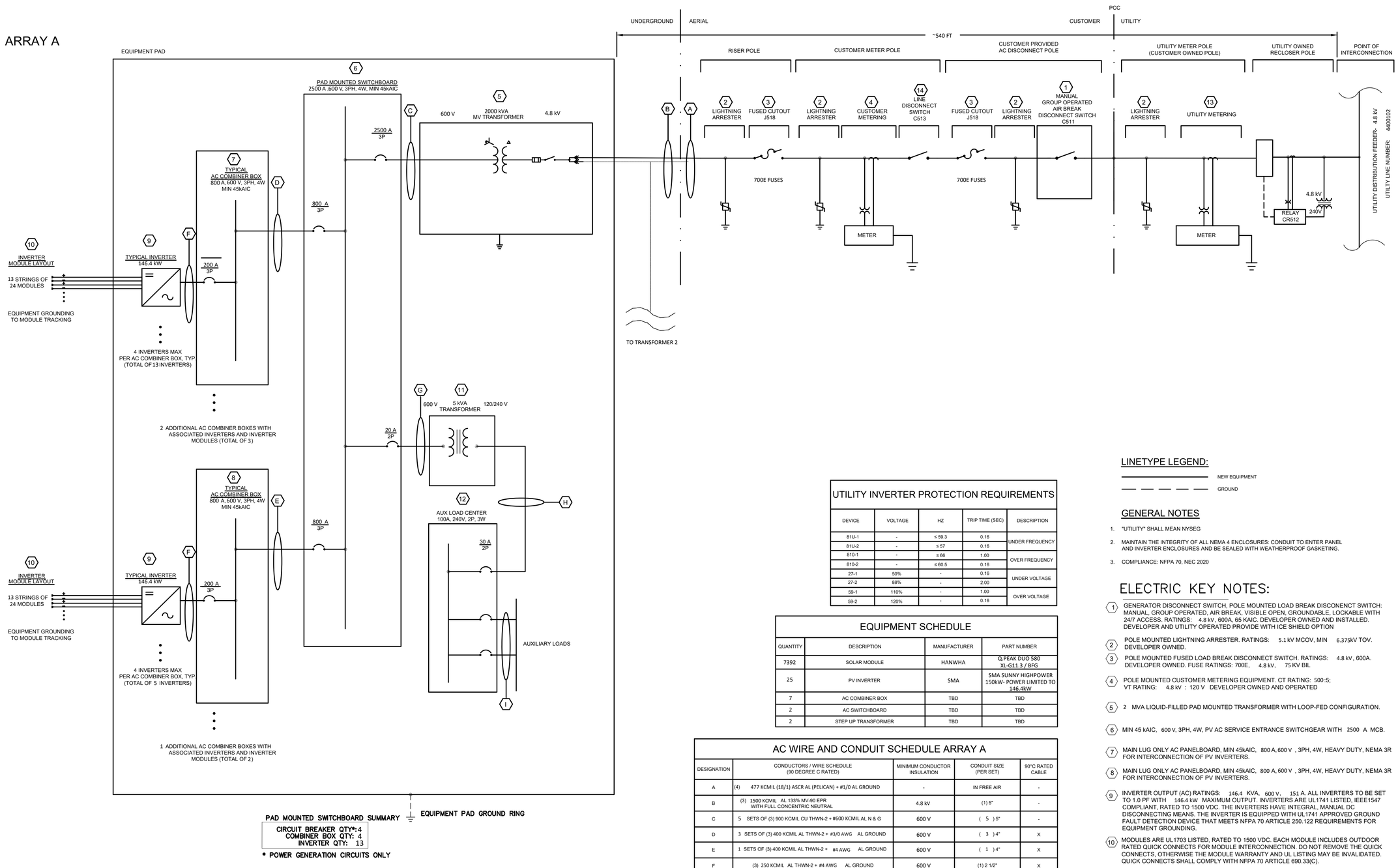
DRAWING TITLE
INFILTRATION BASIN DETAIL

SCALE [1]
NTS

SHEET
PV10

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

ARRAY A



PAD MOUNTED SWITCHBOARD SUMMARY

CIRCUIT BREAKER QTY*: 4
COMBINER BOX QTY: 4
INVERTER QTY: 13

*** POWER GENERATION CIRCUITS ONLY**

LINETYPE LEGEND:

NEW EQUIPMENT

GROUND

GENERAL NOTES

1. "UTILITY" SHALL MEAN NYSEG
2. MAINTAIN THE INTEGRITY OF ALL NEMA 4 ENCLOSURES: CONDUIT TO ENTER PANEL AND INVERTER ENCLOSURES AND BE SEALED WITH WEATHERPROOF GASKETING.
3. COMPLIANCE: NFPA 70, NEC 2020

ELECTRIC KEY NOTES:

1. GENERATOR DISCONNECT SWITCH, POLE MOUNTED LOAD BREAK DISCONENCT SWITCH: MANUAL, GROUP OPERATED, AIR BREAK, VISIBLE OPEN, GROUNDABLE, LOCKABLE WITH 24/7 ACCESS. RATINGS: 4.8 kV, 600A, 65 KAIC. DEVELOPER OWNED AND INSTALLED. DEVELOPER AND UTILITY OPERATED PROVIDE WITH ICE SHIELD OPTION
2. POLE MOUNTED LIGHTNING ARRESTER. RATINGS: 5.1 kV MCOV, MIN 6.375kV TOV. DEVELOPER OWNED.
3. POLE MOUNTED FUSED LOAD BREAK DISCONNECT SWITCH. RATINGS: 4.8 kV , 600A. DEVELOPER OWNED. FUSE RATINGS: 700E, 4.8 kV, 75 KV BIL
4. POLE MOUNTED CUSTOMER METERING EQUIPMENT. CT RATING: 500:5; VT RATING: 4.8 kV : 120 V DEVELOPER OWNED AND OPERATED
5. 2 MVA LIQUID-FILLED PAD MOUNTED TRANSFORMER WITH LOOP-FED CONFIGURATION.
6. MIN 45 kAIC, 600 V, 3PH, 4W, PV AC SERVICE ENTRANCE SWITCHGEAR WITH 2500 A MCB.
7. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V , 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.
8. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V , 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.
9. INVERTER OUTPUT (AC) RATINGS: 146.4 KVA, 600 V, 151 A. ALL INVERTERS TO BE SET TO 1.0 PF WITH 146.4 kW MAXIMUM OUTPUT. INVERTERS ARE UL1741 LISTED, IEEE1547 COMPLIANT, RATED TO 1500 VDC. THE INVERTERS HAVE INTEGRAL, MANUAL DC DISCONNECTING MEANS. THE INVERTER IS EQUIPPED WITH UL1741 APPROVED GROUND FAULT DETECTION DEVICE THAT MEETS NFPA 70 ARTICLE 250.122 REQUIREMENTS FOR EQUIPMENT GROUNDING.
10. MODULES ARE UL1703 LISTED, RATED TO 1500 VDC. EACH MODULE INCLUDES OUTDOOR RATED QUICK CONNECTS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND UL LISTING MAY BE INVALIDATED. QUICK CONNECTS SHALL COMPLY WITH NFPA 70 ARTICLE 690.33(C).
11. 5.0 KVA ENCAPSULATED NEMA 3R TRANSFORMER. PRIMARY: 600 V SINGLE PHASE; SECONDARY: 120/240V SINGLE PHASE. TRANSFORMER TO BE MOUNTED ON EQUIPMENT FRAME AT EQUIPMENT PAD.
12. 10 kA, 2PH, 3W, 12CKT AUXILIARY LOAD CENTER WITH 30A, 2P MCB. PANEL SHALL BE NEMA 3R RATED AND MOUNTED ON EQUIPMENT FRAME AT INVERTER EQUIPMENT PAD.
13. POLE MOUNTED UTILITY METERING EQUIPMENT. CT RATING: 500:5; PT RATING: 4.8 kV: 120 V. UTILITY TO MAKE FINAL CONNECTION. UTILITY OWNED AND OPERATED.
14. STANDARD POLE MOUNTED LOAD BREAK SWITCH MIN RATINGS: 700A, 4.8 kV, 75KV BIL

UTILITY INVERTER PROTECTION REQUIREMENTS

DEVICE	VOLTAGE	HZ	TRIP TIME (SEC)	DESCRIPTION
81U-1	-	≤ 59.3	0.16	UNDER FREQUENCY
81U-2	-	≤ 57	0.16	
810-1	-	≤ 66	1.00	OVER FREQUENCY
810-2	-	≤ 60.5	0.16	
27-1	50%	-	0.16	UNDER VOLTAGE
27-2	88%	-	2.00	
59-1	110%	-	1.00	OVER VOLTAGE
59-2	120%	-	0.16	

EQUIPMENT SCHEDULE

QUANTITY	DESCRIPTION	MANUFACTURER	PART NUMBER
7392	SOLAR MODULE	HANWHA	Q.PEAK DUO S80 XL-G11.3 / BFG
25	PV INVERTER	SMA	SMA SUNNY HIGHPOWER 150kW- POWER LIMITED TO 146.4kW
7	AC COMBINER BOX	TBD	TBD
2	AC SWITCHBOARD	TBD	TBD
2	STEP UP TRANSFORMER	TBD	TBD

AC WIRE AND CONDUIT SCHEDULE ARRAY A

DESIGNATION	CONDUCTORS / WIRE SCHEDULE (90 DEGREE C RATED)	MINIMUM CONDUCTOR INSULATION	CONDUIT SIZE (PER SET)	90°C RATED CABLE
A	(4) 477 KCMIL (18/1) ASCR AL (PELICAN) + #1/0 AL GROUND	-	IN FREE AIR	-
B	(3) 1500 KCMIL AL 133% MV-90 EPR WITH FULL CONCENTRIC NEUTRAL	4.8 kV	(1) 5"	-
C	5 SETS OF (3) 900 KCMIL CU THWN-2 + #600 KCMIL AL N & G	600 V	(5) 5"	-
D	3 SETS OF (3) 400 KCMIL AL THWN-2 + #3/0 AWG AL GROUND	600 V	(3) 4"	X
E	1 SETS OF (3) 400 KCMIL AL THWN-2 + #4 AWG AL GROUND	600 V	(1) 4"	X
F	(3) 250 KCMIL AL THWN-2 + #4 AWG AL GROUND	600 V	(1) 2 1/2"	X
G	(2) #12 AWG CU THWN-2 + #12 AWG CU GROUND	600 V	(1) 3/4"	-
H	(3) #10 AWG CU THWN-2 + #10 AWG CU GROUND	600 V	(1) 3/4"	-
I	(2) #12 AWG CU THWN-2 + #12 AWG CU GROUND	600 V	(1) 3/4"	-

WIRE AND CONDUIT SCHEDULE NOTES:

1. LISTED PIN ADAPTERS OR COMPRESSION LUGS SHALL BE PERMITTED FOR USE WITH ALUMINUM CONDUCTORS. CONDUCTOR SHALL BE PREPARED AND TERMINATED PER MANUFACTURER'S GUIDELINES.
2. ELECTRICAL CONTRACTOR SHALL IDENTIFY SOURCE WIRING WITH MARKING TAPE OR OTHER APPROVED METHOD. POSITIVE SHALL BE MARKED RED AND NEGATIVE MARKED BLACK. CONDUCTORS 4 AWG AND LARGER SHALL BE IDENTIFIED AT ALL TERMINATIONS. PROVIDE COMPRESSION LUGS AT BUS TERMINATIONS.

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

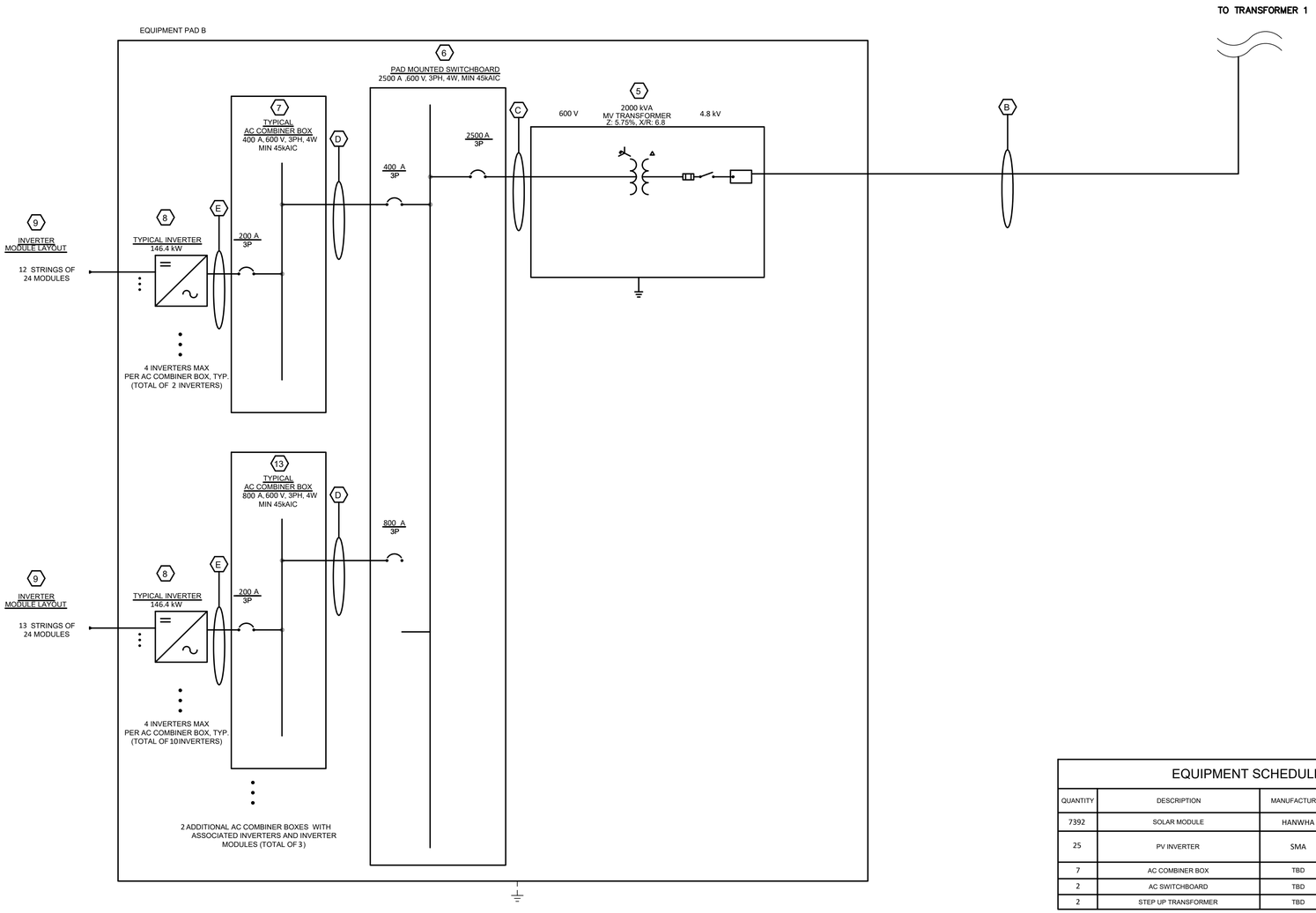
DRAWING TITLE
SINGLE LINE DIAGRAM A

SCALE [1]
NTS

SHEET
E1A

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

ARRAY B



PAD MOUNTED SWITCHBOARD SUMMARY

CIRCUIT BREAKER QTY*:	3
COMBINER BOX QTY:	3
INVERTER QTY:	12

* POWER GENERATION CIRCUITS ONLY

EQUIPMENT SCHEDULE

QUANTITY	DESCRIPTION	MANUFACTURER	PART NUMBER
7392	SOLAR MODULE	HANWHA	Q.PEAK DUO 580 XL-G11.3 / BFG
25	PV INVERTER	SMA	SMA SUNNY HIGHPOWER 150kW- POWER LIMITED TO 146.4kW
7	AC COMBINER BOX	TBD	TBD
2	AC SWITCHBOARD	TBD	TBD
2	STEP UP TRANSFORMER	TBD	TBD

AC WIRE AND CONDUIT SCHEDULE ARRAY B

DESIGNATION	CONDUCTORS / WIRE SCHEDULE (90 DEGREE C RATED)	MINIMUM CONDUCTOR INSULATION	CONDUIT SIZE (PER SET)	90°C RATED CABLE
A	(4) 477 KCMIL (18/1) ASCR AL (PELICAN) + #1/0 AL GROUND	-	IN FREE AIR	-
B	(4) 1500 KCMIL AL 133% MV-90 EPR WITH FULL CONCENTRIC NEUTRAL	4.8 kV	(1) 5"	-
C	5 SETS OF (3) 900 KCMIL CU THWN-2 + #3/0 AWG AL GROUND	600 V	(5) 5"	-
D	3 SETS OF (3) 400 KCMIL AL THWN-2 + #3/0 AWG AL GROUND	600 V	(3) 4"	X
E	(4) 250 KCMIL AL THWN-2 + #4 AWG AL GROUND	600 V	(1) 2 1/2"	X

WIRE AND CONDUIT SCHEDULE NOTES:

1. LISTED PIN ADAPTERS OR COMPRESSION LUGS SHALL BE PERMITTED FOR USE WITH ALUMINUM CONDUCTORS. CONDUCTOR SHALL BE PREPARED AND TERMINATED PER MANUFACTURER'S GUIDELINES.
2. ELECTRICAL CONTRACTOR SHALL IDENTIFY SOURCE WIRING WITH MARKING TAPE OR OTHER APPROVED METHOD. POSITIVE SHALL BE MARKED RED AND NEGATIVE MARKED BLACK. CONDUCTORS 4 AWG AND LARGER SHALL BE IDENTIFIED AT ALL TERMINATIONS. PROVIDE COMPRESSION LUGS AT BUS TERMINATIONS.
3. ALL PARALLEL CABLE SETS TO BE INSTALLED WITH GROUND CONDUCTORS IN EACH CONDUIT.
4. CABLES NOT SIZED FOR VOLTAGE DROP

GENERAL NOTES

1. "UTILITY" SHALL MEAN NYSEG
2. MAINTAIN THE INTEGRITY OF ALL NEMA 4 ENCLOSURES. CONDUIT TO ENTER PANEL AND INVERTER ENCLOSURES AND BE SEALED WITH WEATHERPROOF GASKETING.
3. COMPLIANCE: NFPA 70, NEC 2020

ELECTRIC KEY NOTES:

1. GENERATOR DISCONNECT SWITCH, POLE MOUNTED LOAD BREAK DISCONENCT SWITCH: MANUAL, GROUP OPERATED, AIR BREAK, VISIBLE OPEN, GROUNDABLE, LOCKABLE WITH 24/7 ACCESS. RATINGS: 4.8 kV , 600A, 65 KAIC. DEVELOPER OWNED AND INSTALLED. DEVELOPER AND UTILITY OPERATED PROVIDE WITH ICE SHIELD OPTION
2. POLE MOUNTED LIGHTNING ARRESTER. RATINGS: 5.1 kV MCOV, MIN 6.375 kV TOV. DEVELOPER OWNED.
3. POLE MOUNTED FUSED LOAD BREAK DISCONNECT SWITCH. RATINGS: 4.8 kV, 600A. DEVELOPER OWNED. FUSE RATINGS: 700E, 4.8 kV, 75 KV BIL
4. POLE MOUNTED CUSTOMER METERING EQUIPMENT. CT RATING: 500:5; VT RATING: 4.8 kV : 120 V DEVELOPER OWNED AND OPERATED
5. 2 MVA LIQUID-FILLED PAD MOUNTED TRANSFORMER WITH LOOP-FED CONFIGURATION.
6. MIN 45 kAIC, 600 V, 3PH, 4W, PV AC SERVICE ENTRANCE SWITCHGEAR WITH 2500 A MCB.
7. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V, 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.
8. INVERTER OUTPUT (AC) RATINGS: 146.4 KVA, 600 V, 151 A. ALL INVERTERS TO BE SET TO 1.0 PF WITH 146.4 kW MAXIMUM OUTPUT. INVERTERS ARE UL1741 LISTED, IEEE1547 COMPLIANT, RATED TO 1500 VDC. THE INVERTERS HAVE INTEGRAL, MANUAL DC DISCONNECTING MEANS. THE INVERTER IS EQUIPPED WITH UL1741 APPROVED GROUND FAULT DETECTION DEVICE THAT MEETS NFPA 70 ARTICLE 250.122 REQUIREMENTS FOR EQUIPMENT GROUNDING.
9. MODULES ARE UL1703 LISTED, RATED TO 1500 VDC. EACH MODULE INCLUDES OUTDOOR RATED QUICK CONNECTS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND UL LISTING MAY BE INVALIDATED. QUICK CONNECTS SHALL COMPLY WITH NFPA 70 ARTICLE 690.33(C).
10. 5.0 KVA ENCAPSULATED NEMA 3R TRANSFORMER. PRIMARY: 600 V SINGLE PHASE; SECONDARY: 120/240V SINGLE PHASE. TRANSFORMER TO BE MOUNTED ON EQUIPMENT FRAME AT EQUIPMENT PAD.
11. 10 kA, 2PH, 3W, 12CKT AUXILIARY LOAD CENTER WITH 30A, 2P MCB. PANEL SHALL BE NEMA 3R RATED AND MOUNTED ON EQUIPMENT FRAME AT INVERTER EQUIPMENT PAD.
12. POLE MOUNTED UTILITY METERING EQUIPMENT. CT RATING: 500:5; PT RATING: 4.8 kV : 120 V UTILITY TO MAKE FINAL CONNECTION. UTILITY OWNED AND OPERATED.
13. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V, 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
SINGLE LINE DIAGRAM B

SCALE [1]
NTS

SHEET
E1B

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

A — 6" × 2½"

⚠ WARNING

ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AN LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

B — 6¼" × 4½"

⚠ WARNING

ARC FLASH AND SHOCK HAZARD
APPROPRIATE PPE REQUIRED

_____ NOMINAL SYSTEM VOLTAGE
_____ FLASH HAZARD BOUNDARY
_____ CAL/CM^2 FLASH HAZARD AT 18"
_____ ARC FLASH PPE CATEGORY
_____ LIMITED APPROACH
_____ RESTRICTED APPROACH
_____ PROHIBITED APPROACH

C — 6" × 2½"

⚠ WARNING

POWER SOURCE OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT DEVICE.

D — 6" × 2½"

⚠ WARNING

THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE SHALL NOT EXCEED AMPACITY OF BUSBAR.

E — 6" × 2½"

⚠ WARNING

TURN OFF PHOTOVOLTAIC AC DISCONNECT PRIOR TO WORKING INSIDE PANEL

F — 6¾" × 2"

_____ MAXIMUM VOLTAGE
_____ MAXIMUM CIRCUIT CURRENT

_____ MAXIMUM RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER (IF INSTALLED)

G — 7½" × 1"

SOLAR DATA & MONITORING

H — 7½" × 1"

CUST. GENERATION METER

J — 7½" × 1"

UTILITY BILLING METER

K — 6" × 1½"

XXkW INVERTER #X
_____ OUTPUT CURRENT
_____ OPERATING VOLTAGE

L — 7" × 2"

_____ MAXIMUM OPERATING VOLTAGE

_____ EQUALIZATION VOLTAGE

_____ POLARITY OF GROUNDED CONDUCTOR

M — 6" × 4½"

SOLAR AC COMBINER PANEL #1
_____ OUTPUT CURRENT
_____ OPERATING VOLTAGE

NEUTRAL WIRE IS SIZED PER EGC FOR CURRENT SENSING ONLY. DO NOT CONNECT ADDITIONAL LOADS TO ACCUMULATION PANEL WITHOUT PROPER ENGINEERING SUPERVISION AND PV SYSTEM OWNER'S FORMAL APPROVAL

N — 7¼" × 1½"

WARNING: PHOTOVOLTAIC POWER SOURCE

O — 7¼" × 1½"

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

P — 7½" × 1"

PV SOLAR AC DISCONNECT

Q — 7½" × 1"

PV SOLAR DC DISCONNECT

R — 6¾" × 2"

UTILITY PV SYSTEM AC DISCONNECT
_____ OUTPUT CURRENT
_____ OPERATING VOLTAGE

S — 6¾" × 2"

PV SYSTEM AC DISCONNECT
_____ OUTPUT CURRENT
_____ OPERATING VOLTAGE

T — 6¾" × 2"

MAIN PV SYSTEM AC DISCONNECT
_____ OUTPUT CURRENT
_____ OPERATING VOLTAGE

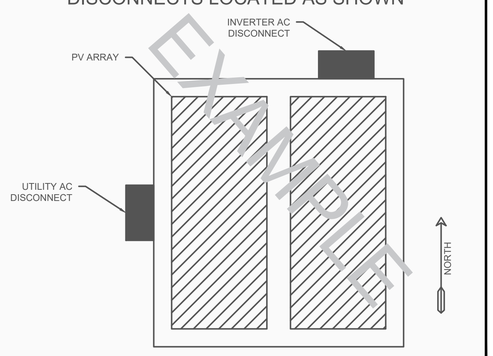
U — 6¾" × 2"

SOLAR SYSTEM POINT OF INTERCONNECTION
_____ OUTPUT CURRENT
_____ OPERATING VOLTAGE

V — 7" × 7"

CAUTION

POWER TO THIS SERVICE IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN



GENERAL NOTES:

1. Detail such as voltage, ampere, etc. for each labels shall be included in the "Approved for construction" drawing.
2. Calculated values for Arc Flash label will be provided in the "Aprroved for construction" drawing.

SPACE FOR PE STAMP:

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS	LAT: 42.9237
6310 CAYUGA RD CAYUGA, NY 13034	LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

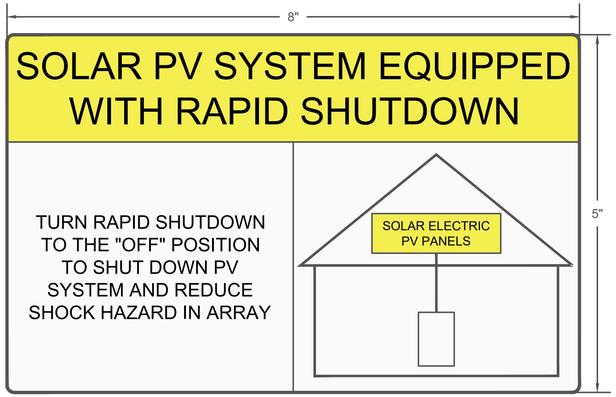
DRAWING TITLE
EQUIPMENT LABELS A

SCALE [1]
NTS

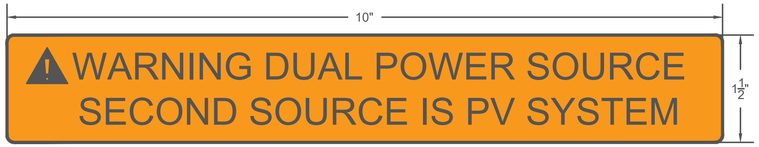
SHEET
E2A

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

W



X



GENERAL NOTES:

(1) ALL LABELS MUST COMPLY WITH 2020 NEC 110.21(B):

(2) LABELS AS PROVIDED AND NOTED ON THIS SHEET MEET WARNING, EFFECTIVE WORDING AND COLOR/SYMBOL REQUIREMENTS

(3) LABELS SHALL BE PERMANENTLY AFFIXED TO EQUIPMENT OR WIRING METHOD

(4) LABELS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. STICKERS OF PROPER DURABILITY AND ADHESION ARE PREFERRED. REFERENCE ANSI Z535.4-2011 FOR GUIDELINES.

SPECIFIC LABEL NOTES:

A. 2020 NEC 690.13(D)
B. 2020 NEC 110.16
C. 2020 NEC 705.12(B)(1)(b)
D. 2020 NEC 110.27(C)
E. 2020 NEC 110.27(C)
F. 2020 NEC 690.53
G. UTILITY REQUIREMENT
H. UTILITY REQUIREMENT
I. LABEL REMOVED
J. UTILITY REQUIREMENT
K. 2020 NEC 690.54
L. 2020 NEC 690.55
M. LABEL FOR ACCUMULATION PANEL
N. 2020 NEC 690.31(F)
O. 2020 NEC 690.56(C)
P. 2020 NEC 690.13(B)
Q. 2020 NEC 690.13(B)
R. 2020 NEC 690.54
S. 2020 NEC 690.54
T. 2020 NEC 690.13(B)
U. LABEL FOR POINT OF INTERCONNECTION
V. 2020 NEC 705.10 SYSTEM PLACCARD
W. 2020 NEC 690.56(C)(1)
X. 2020 NEC 690.59

EQUIPMENT	LABELS
ACCUMULATION PANELS, COMBINER BOXES, PULL BOXES, ENCLOSURES	A, B, E, M
DC CONDUIT	N
RAPID SHUTDOWN	O, W
ENERGY STORAGE	L
INVERTERS	K
MONITORING EQUIPMENT	G
METERS	H, J, X
DC DISCONNECT	A, F, Q
AC DISCONNECT	A, B, E, O, P, R, S, T, X
POINT OF INTERCONNECTION	A, C, D, U, V, E

SPACE FOR PE STAMP:

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

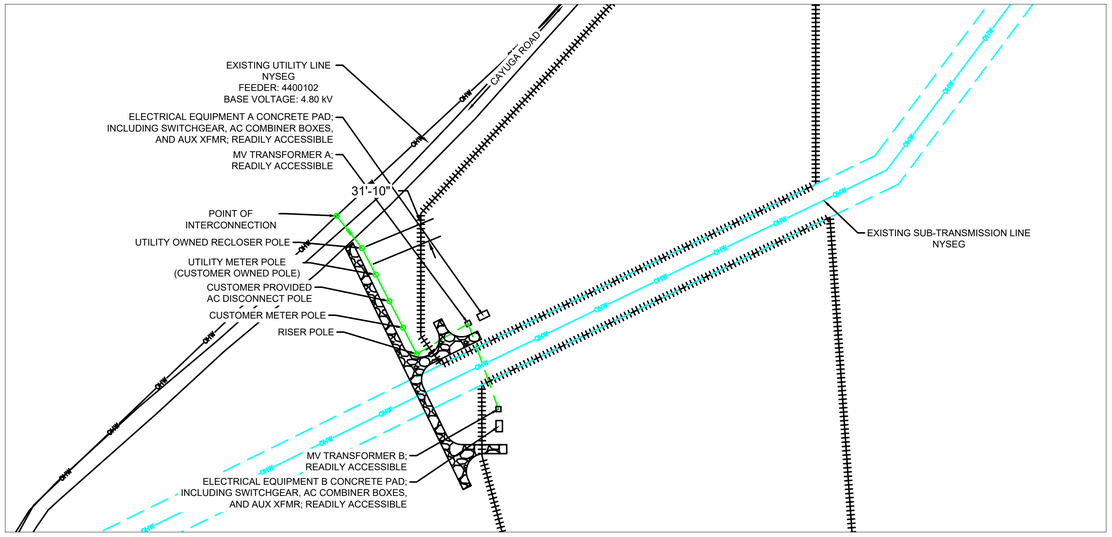
PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
EQUIPMENT LABELS B

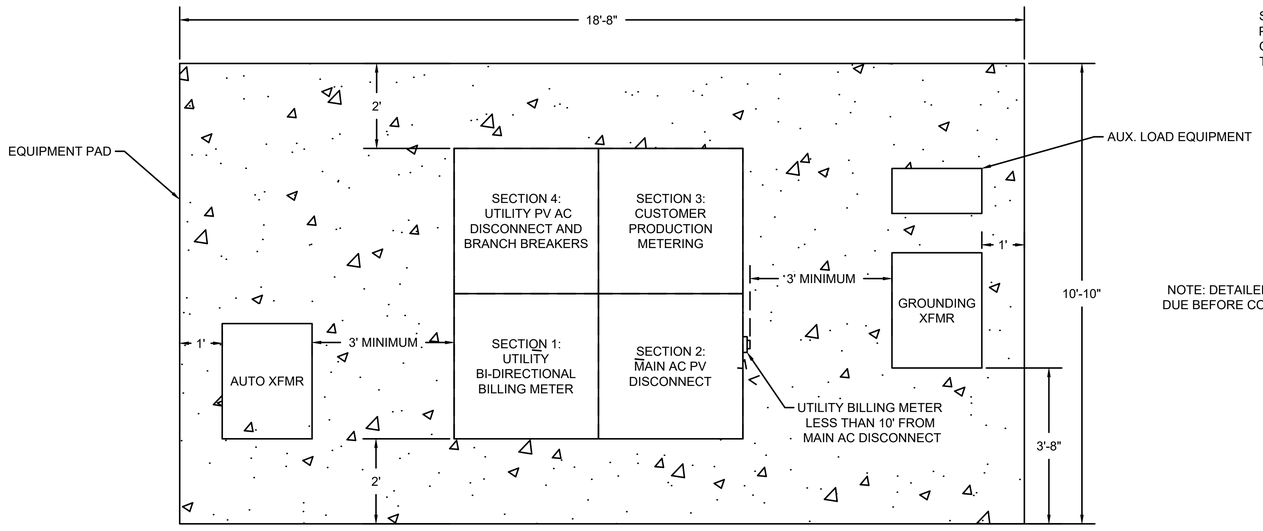
SCALE [1]
NTS

SHEET
E2B

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

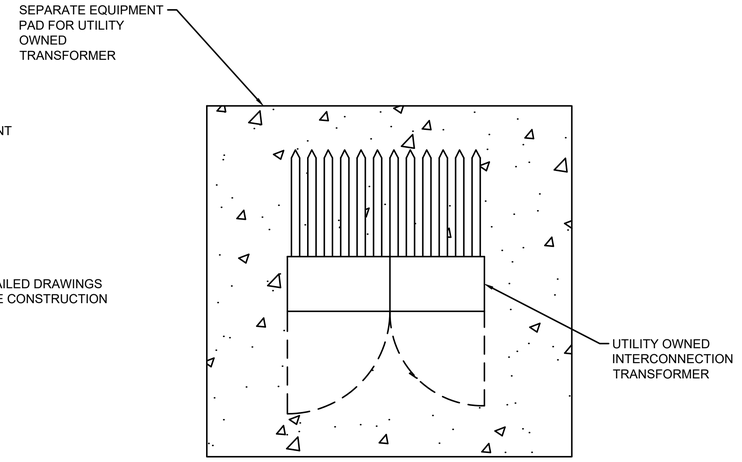


1 INTERCONNECTION PLAN
Scale: 1" = 120'



2 EQUIPMENT PAD PLAN
Scale: 3/4" = 1'

NOTE: DETAILED DRAWINGS DUE BEFORE CONSTRUCTION



SHEET NOTES:

1. Overhead line to underground service conductors detail - provided by utility
2. Fence Detail and Fence Grounding - provided in the civil engineering drawings

SPACE FOR PE STAMP:

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
ELECTRICAL DETAILS

SCALE [1]
AS NOTED

SHEET
E3

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

SUNNY HIGHPOWER PEAK3 125-US / 150-US

SMA

Cost effective	Maximum flexibility	Simple install, commissioning	Highly innovative
• Modular architecture reduces BOS and maximizes system uptime • Compact design and high power density maximize transportation and logistical efficiency	• Scalable 1,500 VDC building block with best-in-class performance • Flexible architecture creates scalability while maximizing land usage	• Ergonomic handling and simple connections enable quick installation • Centralized commissioning and control with SMA Data Manager	• SMA Smart Connected reduces O&M costs and simplifies field-service • Powered by award winning ennexOS cross sector energy management platform

SUNNY HIGHPOWER PEAK3 125-US / 150-US

A superior modular solution for large-scale power plants

The PEAK3 1,500 VDC inverter offers high power density in a modular architecture that achieves a cost-optimized solution for large-scale PV integrators. With fast, simple installation and commissioning, the Sunny Highpower PEAK3 is accelerating the path to energization. SMA has also brought its field-proven Smart Connected technology to the PEAK3, which simplifies O&M and contributes to lower lifetime service costs. The PEAK3 power plant solution is powered by the ennexOS cross sector energy management platform, 2018 winner of the Intersolar smarter E AWARD.

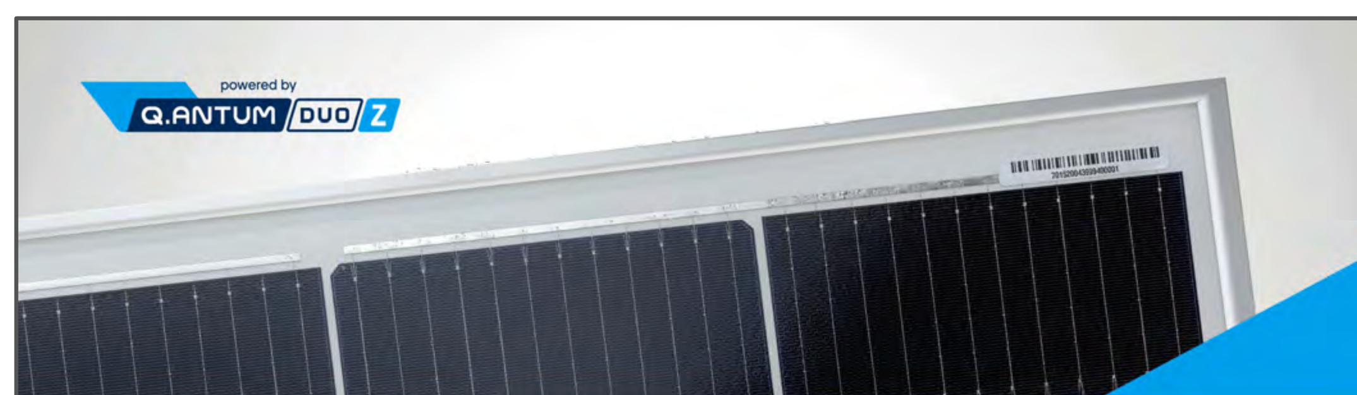
Technical Data	Sunny Highpower PEAK3 125-US	Sunny Highpower PEAK3 150-US
Input (DC)		
Maximum array power	187500 Wp STC	225000 Wp STC
Maximum system voltage	1500 VDC	
Rated MPP voltage range	705 V ... 1450 V	880 V ... 1450 V
MPPT operating voltage range	684 V ... 1500 V	855 V ... 1500 V
MPP trackers	1	
Maximum operating input current	180 A	
Maximum input short-circuit current	325 A	
Output (AC)		
Nominal AC power	125000 W	150000 W
Maximum apparent power	125000 VA	150000 VA
Output phases / line connections	3 / 3-PE	
Nominal AC voltage	480 V	600 V
Compatible transformer winding configuration	Wye-grounded	
Maximum output current	151 A	
Rated grid frequency	60 Hz	
Grid frequency / range	50 Hz, 60 Hz / -6 Hz ... +6 Hz	
Power factor at rated power / adjustable displacement	1 / 0.0 leading ... 0.0 lagging	
Harmonics (THD)	<3%	
Efficiency		
CEC efficiency	98.5 %	99.0 %
Protection and safety features		
Ground fault monitoring: Riso / Differential current	● / ●	
DC reverse polarity protection	●	
AC short circuit protection	●	
Monitored surge protection (Type 2): DC / AC	● / ●	
Protection class / overvoltage category (as per UL 840)	I / IV	
General data		
Device dimensions (W / H / D)	770 / 830 / 444 mm (30.3 / 32.7 / 17.5 in.)	
Device weight	98 kg (216 lbs)	
Operating temperature range	-25 °C ... +60 °C (-13 °F ... +140 °F)	
Storage temperature range	-40 °C ... +70 °C (-40 °F ... +158 °F)	
Audible noise emission (full power @ 1 m and 25 °C)	< 69 dB(A)	
Internal consumption at night	< 5 W	
Topology	Transformerless	
Cooling concept	OptiCool (forced convection, variable speed fans)	
Enclosure protection rating	Type 4X (as per UL 50E)	
Maximum permissible relative humidity (non-condensing)	100%	
Additional information		
Mounting	Rack mount	
DC connection	Terminal lugs - up to 600 kcmil CU/AL	
AC connection	Screw terminals - up to 300 kcmil CU/AL	
LED indicators (Status/Fault/Communication)	●	
SMA Speedwire (Ethernet network interface)	● (2 x RJ45 ports)	
Data protocols: SMA Modbus / SunSpec Modbus	● / ●	
Integrated Plant Control / Q on Demand 24/7	● / ●	
Off-grid capable / SMA Hybrid Controller compatible	– / ●	
SMA Smart Connected (proactive monitoring and service)	●	
Certifications		
Certifications and approvals	UL 62109, UL 1998, CAN/CSA-C22.2 No.62109	
FCC compliance	FCC Part 15, Class A	
Grid interconnection standards	IEEE 1547, UL 1741 SA - CA Rule 21, HECO Rule 14H	
Advanced grid support capabilities	L/HFRT, L/HVRT, Volt-VAr, Volt-Watt, Frequency-Watt, Ramp Rate Control, Fixed Power Factor	
Warranty		
Standard	5 years	
Optional extensions	10 / 15 / 20 years	
Type designation	SHP 125-US-20	SHP 150-US-20

Technical data as of May 2020 ● Standard features ○ Optional features – Not available

SHP-US-DS-en-17 Changes to products and services, including those resulting from country-specific requirements, as well as deviations from technical data are subject to change at any time without notice. SMA assumes no liability for typographical or other errors. Please visit www.SMA-Solar.com for the latest information.

Toll Free +1 888 4 SMA USA
www.SMA-America.com

SMA America, LLC

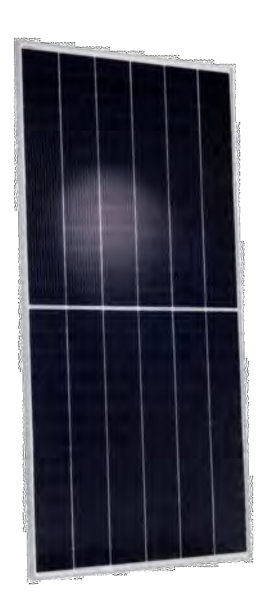


Q.PEAK DUO XL-G11.3 / BFG
570-580

BIFACIAL DOUBLE GLASS MODULE WITH EXCELLENT RELIABILITY AND ADDITIONAL YIELD

EUPD RESEARCH TOP BRAND PV MODULES EUROPE 2021

Q CELLS Yield Security



BIFACIAL ENERGY YIELD GAIN OF UP TO 20 %
Bifacial Q.ANTUM solar cells make efficient use of light shining on the module rear-side for radically improved LCOE.

LOW ELECTRICITY GENERATION COSTS
Q.ANTUM DUO Z combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology for higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 21.4 %.

INNOVATIVE ALL-WEATHER TECHNOLOGY
Optimal yields, whatever the weather with excellent low-light and temperature behavior.

ENDURING HIGH PERFORMANCE
Long-term yield security with Anti LID, Hot-Spot Protect and Traceable Quality Tra.Q™.

FRAME FOR VERSATILE MOUNTING OPTIONS
High-tech aluminum alloy frame protects from damage, enables use of a wide range of mounting structures and is certified regarding IEC for high snow (5400 Pa) and wind loads (2400 Pa).

A RELIABLE INVESTMENT
Double glass module design enables extended lifetime with 12-year product warranty and improved 30-year performance warranty[1].

[1] See data sheet on rear for further information

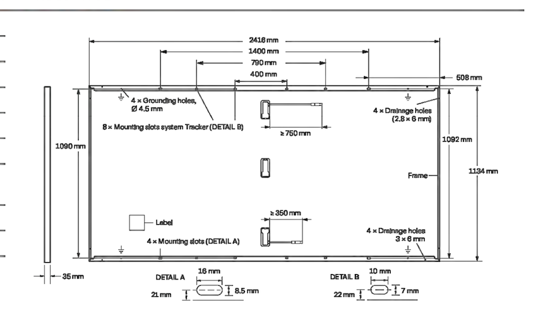
THE IDEAL SOLUTION FOR:
Ground-mounted solar power plants

Engineered in Germany

Q CELLS

MECHANICAL SPECIFICATION

Format	2416 mm × 1134 mm × 35 mm (including frame)
Weight	34.4 kg
Front Cover	2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover	2 mm semi-tempered glass
Frame	Anodised aluminium
Cell	6 × 26 monocrystalline Q.ANTUM solar half cells
Junction box	53-101 mm × 32-60 mm × 15-18 mm Protection class IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥750 mm, (–) ≥350 mm
Connector	Stäubli MC4-Evo2, Hanwha Q CELLS HQC4; IP68



ELECTRICAL CHARACTERISTICS

POWER CLASS			570		575		580	
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC[1] AND BSTC[1] (POWER TOLERANCE +5 W / −0 W)								
				BSTC*		BSTC*		BSTC*
Minimum: Power at MPP[1]	P_{MPP}	[W]	570	623.5	575	629.0	580	634.4
Short Circuit Current[1]	I_{SC}	[A]	13.50	14.77	13.52	14.80	13.55	14.83
Open Circuit Voltage[1]	V_{OC}	[V]	53.50	53.69	53.53	53.72	53.56	53.75
Current at MPP	I_{MPP}	[A]	12.83	14.03	12.87	14.09	12.92	14.14
Voltage at MPP	V_{MPP}	[V]	44.44	44.43	44.66	44.65	44.88	44.87
Efficiency[1]	η	[%]	≥20.8	≥22.8	≥21.0	≥23.0	≥21.2	≥23.2

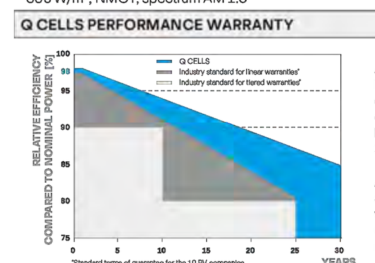
Bifaciality of P_{MPP} and I_{SC} 70 % ± 5 % • Bifaciality given for rear side irradiation on top of STC (front side) • According to IEC 60904-1-2

[1] Measurement tolerances P_{MPP} ±3 %; I_{SC}, V_{OC} ±5 % at STC: 1000 W/m²; *at BSTC: 1000 W/m² + φ × 135 W/m², φ = 70 % ± 5 %, 25±2 °C, AM 1.5 according to IEC 60904-3

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT[2]			570	575	580
Minimum: Power at MPP	P_{MPP}	[W]	429.1	432.9	436.6
Short Circuit Current	I_{SC}	[A]	10.87	10.89	10.91
Open Circuit Voltage	V_{OC}	[V]	50.60	50.63	50.66
Current at MPP	I_{MPP}	[A]	10.09	10.14	10.18
Voltage at MPP	V_{MPP}	[V]	42.51	42.71	42.89

[2] 800 W/m², NMOT, spectrum AM 1.5

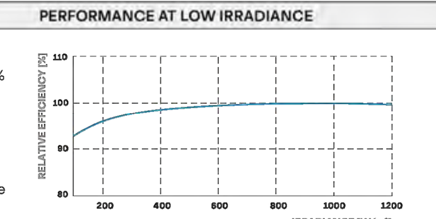
Q CELLS PERFORMANCE WARRANTY



At least 98 % of nominal power during first year. Thereafter max. 0.45 % degradation per year. At least 94 % of nominal power up to 10 years. At least 85 % of nominal power up to 30 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I_{SC}	α	[% / K]	+0.04	Temperature Coefficient of V_{OC}	β	[% / K]	−0.27
Temperature Coefficient of P_{MPP}	γ	[% / K]	−0.34	Nominal Module Operating Temperature	NMOT	[°C]	42±3

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{SYS}	[V]	1500	PV module classification	Class II
Maximum Reverse Current	I_R	[A]	25	Fire Rating based on ANSI / UL 61730	C / TYPE 29[3]
Max. Design Load, Push / Pull		[Pa]	3600 / 1600	Permitted Module Temperature on Continuous Duty	−40 °C - +85 °C
Max. Test Load, Push / Pull		[Pa]	5400 / 2400	[3] New Type is similar to Type 3 but with metallic frame	

QUALIFICATIONS AND CERTIFICATES

IEC 61215:2016, IEC 61730:2016. This data sheet complies with DIN EN 50380.

TÜV Rheinland CERTIFIED www.tuv.com ID 1111220277 CE

PACKAGING INFORMATION

Vertical packaging	2458 mm	1134 mm	1270 mm	1114.5 kg	20 pallets	16 pallets	31 modules

Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Made in China

Hanwha Q CELLS Australia Pty Ltd
Suite 1, Level 1, 15 Blue Street, North Sydney, NSW 2060, Australia | TEL +61 (0)2 9016 3033 | FAX +61 (0)2 9016 3032 | EMAIL q-cells-australia@q-cells.com | WEB www.q-cells.com/au

Specifications subject to technical changes © Q CELLS Q.PEAK DUO XL-G11.3_BFG_QD_570-580_2021-12_Rev01_AU

Engineered in Germany

Q CELLS

PV MODULE REFLECTION – GLARE

PV MODULE REFLECTION – GLARE

When light falls on a surface it is split; some of the light traverses the surface (transmission), some light enters the surface and is lost (absorption) and some is redirected away from the surface (reflection). In order for a PV module to produce as much power as possible, the cover glass is optimized for high transmission. This is why Hanwha Q CELLS PV modules have cutting-edge anti-reflective coatings (ARC) in order to maximize transmission and limiting the possibility for reflections.

Each of these actions, transmission, absorption and reflection, can be measured as a proportion of the original light falling on the surface, eg. T + A + R = 100 %. For our purposes it is only necessary to look at the proportion of this original light, as the intensity of the light falling on the surface of the PV module glass will change with numerous factors including different system configurations, locations and times of both the day and year.

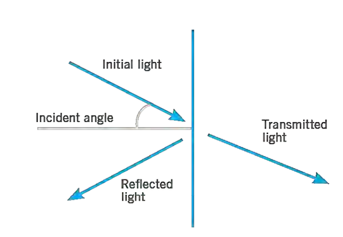


Figure 1: Light falling on a surface

The proportion of light reflected from any surface is dependent upon the angle at which the light hits the glass, called the incident angle where 0° is direct light and 90° is parallel to the surface. The proportion of reflected light can be calculated for different incident angles using the Fresnel equations. For a sheet of glass it would be necessary to calculate the reflection twice, once for the frontside of the glass and once for the backside. However as the rear of PV module glass is connected to an EVA and light absorbing PV cell it is only necessary to consider the frontside effect. To calculate the reflection the refractive index of the involved media is needed. As an example air has an index of 1, for normal "window" glass the value is around 1.5, for water it is 1.33 and for PV module glass it is around 1.25. From these figures alone it is possible to, correctly, presume that the glass used in PV modules creates less reflected light than normal "window" glass or a body of water. Figure 2 shows the curves of these different cases, along with measurements by TÜV Rheinland of Hanwha Q CELLS modules. It can be seen that the proportion of light reflected starts close to zero but rises as the incident angle gets closer to 90°.

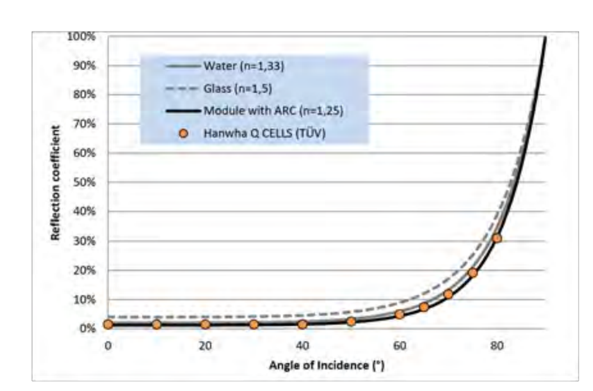


Figure 2: Reflection vs. incident angle

CONCLUSION

From both the theoretical and measured data it is clear that ARC glass used in all Hanwha Q CELLS currently produced PV modules reflects less light than both naturally occurring features, such as bodies of water, and common manmade structures. Moreover for incident angles below 55° less than 4 % of the initial light is reflected away from the PV module.

EMAIL: service@q-cells.com
TEL: +49 (0)3494 66 99 23222

Specifications subject to technical changes © Hanwha Q CELLS Module_reflection_2017-02_Rev01_EN

Q CELLS

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS 6310 CAYUGA RD CAYUGA, NY 13034	LAT: 42.9237 LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
MODULE & INVERTER SPECS

SCALE [1]
NTS

SHEET
E4A

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

ARRAY TECHNOLOGIES

DuraTrack® HZ v3

A (r)evolutionary design that builds on the DuraTrack heritage while adding innovative patent-pending features engineered to deliver the best LCOE in the industry.

THE (R)EVOLUTION IN TRACKER DESIGN IS HERE.

DuraTrack HZ v3 is not just an evolution of our innovative single-axis horizontal solar tracker, it incorporates revolutionary patent-pending new features found nowhere else in the industry.

Array Technologies Inc.

A 3901 Midway Place NE
Albuquerque, NM 87109 USA

T +1 505.881.7567
+1 855.TRACKPV (872.2578)

F +1 505.881.7572

E sales@arraytechinc.com

W arraytechinc.com

HIGHEST POWER DENSITY

In fact, 6% more than our closest competitor. Increase capacity on a reduced footprint, or add to production by cutting down on backtracking.

GREATEST RELIABILITY

Reducing the number of sensitive components has resulted in the highest operational uptime in the industry. An improved driveline design allows for fewer motors—only two per megawatt. No stow required—a wind relief management feature takes care of that.

ULTRA-EFFICIENT INSTALLATION

One single-fastener clamp per module streamlines the most labor-intensive step. Per megawatt, this equals 15,000 fewer fasteners than competitive systems, adding up to big savings.

ZERO MAINTENANCE

Gearboxes are sealed and lubricated for life resulting in zero scheduled maintenance. All tracker rows self-calibrate twice daily ensuring that each row is always at the optimal tracking angle.

DuraTrack HZ v3

THE V3 DELIVERS LOWEST LCOE

Add it up. Working together, all the features of the DuraTrack HZ v3 are designed to result in the best LCOE. When you calculate what you'll save on installation due to the streamlined design, what you won't be spending on O&M due to zero scheduled maintenance, and what you'll add in production due to 99.996% uptime, 6% more density and optimized 52° ROM, you'll discover the value added by going with the industry leader in solar tracking.

With more gigawatts installed, and over 25 years dedicated to tracker design and manufacturing, Array's reliability and reputation make it the low-risk choice that you and your financial institution can rely on.

THE ARRAY ADVANTAGE

Array Technologies is the worldwide leader in tracking solutions for utility, commercial, and residential solar electric generation systems, with over 4 GW across the globe. After more than 25 years in the industry, Array's innovations in solar tracking continue to provide the best levelized cost of electricity through reliable, easy to install and maintain systems. Array Technologies' solutions are engineered in the USA.

STRUCTURAL & MECHANICAL FEATURES/SPECIFICATIONS	
Tracking Type	Horizontal single axis
Tilt Angle	0°
kW per Drive Motor	~ 650–750 kW DC
Maximum Linked Rows	28
Maximum Row Size	80 modules (crystalline)
Drive Type	Rotating gear drive
Motor Type	2 HP, 3 PH, 480V AC
Motors per 1 MW AC	2
East-West / North-South Dimensions	Site / module specific
Array Height	54" standard, adjustable (46" min height above grade)
Ground Coverage Ratio (GCR)	Flexible, 28–45% typical
Modules Supported	Most commercially available, including frameless crystalline and thin film
Tracking Range of Motion	± 52°
Module Configuration	Single-in-portrait standard. Dual-in-landscape (crystalline), four-in-landscape (thin film) also available.
Module Attachment	Single fastener, high-speed mounting clamps with integrated grounding. Traditional rails for crystalline in landscape, custom racking for thin film and frameless crystalline per manufacturer specs.
Materials	HDG steel and aluminum structural members
Allowable Wind Load (IBC 2012)	135 mph, 3-second gust exposure C
Wind Protection	Passive mechanical system relieves wind and obstruction damage — no power required
ELECTRONIC CONTROLLER FEATURES/SPECIFICATIONS	
Solar Tracking Method	Algorithm with GPS input
Control Electronics	MCU plus Central Controller
Data Feed	MODBUS over Ethernet to SCADA system
Night-time Stow	Yes
Tracking Accuracy	± 2° standard, field adjustable
Backtracking	Yes
INSTALLATION, OPERATION & MAINTENANCE	
PE Stamped Structural Calculations & Drawings	Yes
On-site Training & System Commissioning	Yes
Connection Type	Fully bolted connections, no welding
In-field Fabrication Required	No
Dry Slide Bearings & Articulating Driveline Connections	No lubrication required
Scheduled Maintenance	None required
GENERAL	
Annual Power Consumption (kWh per 1 MW)	400 kWh per MW per year, estimated
Land Area Required per 1 MW	Approx. 5 to 5.75 acres per MW @ 33% GCR (site and design specific)
Energy Gain vs. Fixed-Tilt	Up to 25%, site specific
Warranty	5 year parts only, 10 year extended available
Patent Number	Patent pending
Codes and Standards	UL Certified (3703 & 2703)

DTHZV3_DS_10-15

*Note: Specific equipment model is subject to change based on site specific studies, tests, and conditions.

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
RACKING SPEC SHEET

SCALE [1]
NTS

SHEET
E4B

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

Three-Phase Transformers
CA202003EN

Effective April 2016
Supersedes 210-12 July 2015

COOPER POWER SERIES

Three-phase pad-mounted compartmental type transformer

General

At Eaton, we are constantly striving to introduce new innovations to the transformer industry, bringing you the highest quality, most reliable transformers. Eaton's Cooper Power series Transformer Products are ISO 9001 compliant, emphasizing process improvement in all phases of design, manufacture, and testing. In order to drive this innovation, we have invested both time and money in the Thomas A. Edison Technical Center, our premier research facility in Franksville, Wisconsin. Such revolutionary products as distribution-class UltraSIL™ Polymer-Housed Evolution™ surge arresters and Envirotemp™ FR3™ fluid have been developed at our Franksville lab.

With transformer sizes ranging from 45 kVA to 12 MVA and high voltages ranging from 2400 V to 46 kV, Eaton has you covered. From fabrication of the tanks and cabinets to winding of the cores and coils, to production of arresters, switches, tap changers, expulsion fuses, current limit fuses, bushings (live and dead) and molded rubber goods, Eaton does it all. Eaton's Cooper Power series transformers are available with electrical grade mineral oil or Envirotemp™ FR3™ fluid, a less-flammable and bio-degradable fluid. Electrical codes recognize the advantages of using Envirotemp™ FR3™ fluid both indoors and outdoors for fire sensitive applications. The bio-based fluid meets Occupational Safety and Health Administration (OSHA) and Section 450.23 NEC Requirements.

Powering Business Worldwide

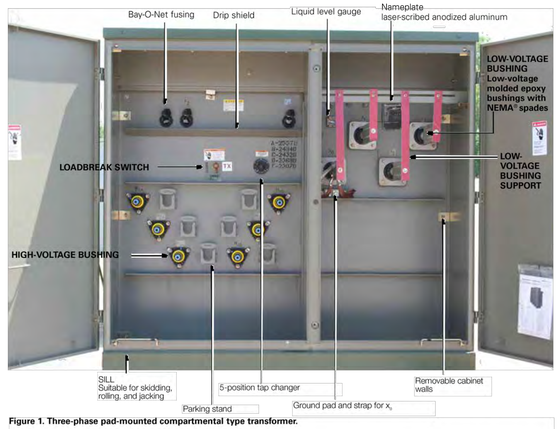


Figure 1. Three-phase pad-mounted compartmental type transformer.

Table 1. Product Scope

Type	Three Phase, 50 or 60 Hz, 65 °C Rise (55 °C, 55/65 °C), 65/75 °C, 75 °C
Fluid Type	Mineral oil or Envirotemp™ FR3™ fluid
Coil Configuration	2-winding or 4-winding or 3-winding (Low-High-Low), 3-winding (Low-Low-High)
Size	45 – 10,000 kVA
Primary Voltage	2,400 – 46,000 V
Secondary Voltage	208Y/120 V to 14,400 V
Specialty Designs	Inverter/Rectifier Bridge
	K-Factor (up to K-19)
	Vacuum Fault Interrupter (VFI)
	UL® Listed & Labeled and Classified
	Factory Mutual (FM) Approved®
	Solar/Wind Designs
	Differential Protection
	Seismic Applications (including OSHPD)
	Hardened Data Center

Table 2. Three-Phase Ratings

Three-Phase 50 or 60 Hz
kVA Available[1]
45, 75, 112.5, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, 3000, 3750, 5000, 7500, 10000

[1]Transformers are available in the standard ratings and configurations shown or can be customized to meet specific needs.

Table 3. Impedance Voltage

	Low-voltage rating		
Rating (kVA)	**≤ 600 V**	**2400 Δ through 4800 Δ**	**6900 Δ through 13800GY/7970 or 13800 Δ**
45-75	2.70-5.75	2.70-5.75	2.70-5.75
112.5-300	3.10-5.75	3.10-5.75	3.10-5.75
500	4.35-5.75	4.35-5.75	4.35-5.75
750-2500	5.75	5.75	5.75
3750	5.75	5.75	6.00
5000		6.00	6.50

Note: The standard tolerance is ± 7.5%

Table 4. Audible Sound Levels

	NEMA® TR-1 Average
Self-Cooled, Two Winding kVA Rating	**Decibels (dB)**
45-500	56
501-700	57
701-1000	58
1001-1500	60
1501-2000	61
2001-2500	62
2501-3000	63
3001-4000	64
4001-5000	65
5001-6000	66
6001-7500	67
7501-10000	68

Table 5. Insulation Test Levels

KV Class	Induced Test 180 or 400 Hz 7200 Cycle	kV BIL Distribution	Applied Test 60 Hz (kV)
1.2	Twice Rated Voltage	30	10
2.5		45	15
5		60	19
8.7		75	26
15		95	34
25		125	40
34.5		150	50

Table 6. Temperature Rise Ratings 0-3300 Feet (0-1000 meters)

	Standard	Optional
Unit Rating (Temperature Rise Winding)	65 °C	55 °C, 55/65 °C, 75 °C
Ambient Temperature Max	40 °C	50 °C
Ambient Temperature 24 Hour Average	30 °C	40 °C
Temperature Rise Hotspot	80 °C	65 °C

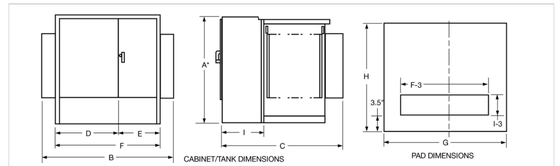


Figure 2. Transformer and pad dimensions.

* Add 9" for Bay-O-Net fusing.

Table 7. Fluid-filled—aluminum windings 55/65 °C Rise[1]

65° Rise	DEAD-FRONT—LOOP OR RADIAL FEED—BAY-O-NET FUSING OIL FILLED—ALUMINUM WINDINGS										
	OUTLINE DIMENSIONS (in.)									Gallons of	Approx. Total
kVA Rating	**A***	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**Fluid**	**Weight (lbs.)**
45	50	68	39	42	26	68	72	43	20	110	2,100
75	50	68	39	42	26	68	72	43	20	115	2,250
112.5	50	68	49	42	26	68	72	53	20	120	2,350
150	50	68	49	42	26	68	72	53	20	125	2,700
225	50	72	51	42	30	72	76	55	20	140	3,150
300	50	72	51	42	30	72	76	55	20	160	3,650
500	50	89	53	42	30	72	93	57	20	190	4,650
750	64	89	57	42	30	72	93	61	20	270	6,500
1000	64	89	59	42	30	72	93	63	20	350	8,200
1500	73	89	86	42	30	72	93	90	24	410	10,300
2000	73	72	87	42	30	72	76	91	24	490	12,500
2500	73	72	99	42	30	72	76	103	24	530	14,500
3000	73	84	99	46	37	84	88	103	24	620	16,700
3750	84	85	108	47	38	85	88	112	24	660	19,300
5000	84	96	108	48	48	96	100	112	24	930	25,000
7500	94	102	122	54	48	102	100	126	24	1,580	41,900

† Weights, gallons of fluid, and dimensions are for reference only and not for construction. Please contact Eaton for exact dimensions.
* Add 9" for Bay-O-Net fusing.

Table 8. Fluid-Filled—Copper Windings 55/65 °C Rise[1]

65° Rise	DEAD-FRONT—LOOP OR RADIAL FEED—BAY-O-NET FUSING OIL FILLED—COPPER WINDINGS										
	OUTLINE DIMENSIONS (in.)									Gallons of	Approx. Total
kVA Rating	**A***	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**Fluid**	**Weight (lbs.)**
45	50	64	39	34	30	64	69	43	20	110	2,100
75	50	64	39	34	30	64	69	43	20	115	2,350
112.5	50	64	49	34	30	64	69	53	20	115	2,500
150	50	64	49	34	30	64	69	53	20	120	2,700
225	50	64	51	34	30	64	73	55	20	140	3,250
300	50	64	51	34	30	64	75	55	20	160	3,800
500	50	81	53	34	30	64	85	57	20	200	4,800
750	64	89	57	42	30	72	93	61	20	255	6,500
1000	64	89	59	42	30	72	93	63	20	300	7,800
1500	73	89	86	42	30	72	93	90	24	410	10,200
2000	73	72	87	42	30	72	76	91	24	420	11,600
2500	73	72	99	42	30	72	76	103	24	500	14,000
3000	73	84	99	46	37	84	88	103	24	720	18,700
3750	84	85	108	47	38	85	88	112	24	830	20,500
5000	84	96	108	48	48	96	100	112	24	850	25,000
7500	94	102	122	54	48	102	100	126	24	1,620	46,900

† Weights, gallons of fluid, and dimensions are for reference only and not for construction. Please contact Eaton for exact dimensions.
* Add 9" for Bay-O-Net fusing.

*Note: Specific equipment model is subject to change based on site specific studies, tests, and conditions.

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY
DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS			
#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
TRANSFORMER SPEC SHEET

SCALE [1]
NTS

SHEET
E4C

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

Certificate of Compliance

Certificate: 80048527 **Master Contract:** 254141

Project: 80133054 **Date Issued:** 2022-07-05

Issued To: Hanwha Q.CELLS GmbH

17-21 Sonnenallee
Thalheim
Bitterfeld-Wolfen, Sachsen-Anhalt, 06766
Germany

Attention: Wiebke Engler

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Tom Yang
Tom Yang

PRODUCTS

CLASS - C531110 - POWER SUPPLIES Photovoltaic Modules and Panels
CLASS - C531190 - POWER SUPPLIES Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic Modules with Maximum System Voltage of 1000 V dc or 1500 V dc, Class II / Application Class A, Fire Resistance Class C, Module Fire Performance Type 1, Type 2 or Type 5 (for US). Module Types:
Q.PLUS L-G4.2 XXX (XXX = 305 to 375, in steps of 5W),
B.LINE PLUS L-G4.2 XXX (XXX = 305 to 375, in steps of 5W),
Q.PLUS BFR-G4.1 XXX (XXX = 270 to 295, in steps of 5W and 282W),
B.LINE PLUS BFR-G4.1 XXX (XXX = 270 to 295, in steps of 5W and 282W),
Q.PLUS DUO L-G5.2 XXX (XXX = 340 to 385, in steps of 5W),
B.LINE PLUS DUO L-G5.2 XXX (XXX = 340 to 385, in steps of 5W),
Q.PEAK DUO L-G5 XXX (XXX = 360 to 425, in steps of 5W),

B.LINE TRON ML-G1 XXX (XXX = 385 to 455, in steps of 5W),
Q.TRON BLK ML-G1 XXX (XXX = 385 to 445, in steps of 5W),
Q.TRON BLK ML-G1+ XXX (XXX = 385 to 445, in steps of 5W),
B.LINE TRON BLK ML-G1 XXX (XXX = 385 to 445, in steps of 5W),
Q.PEAK DUO XL-G11.2 XXX (XXX= 570 to 590, in steps of 5W),
Q.PEAK DUO XL-G11.3 XXX (XXX= 570 to 590, in steps of 5W),
Q.TRON-G1+ XXX (XXX = 340 to 380, in steps of 5W),
Q.TRON BLK-G1+ XXX (XXX = 340 to 380, in steps of 5W).

Notes:
1. All electrical data shall be shown as relative to standard test conditions (STC) (1000 W/m2 irradiance, (25 ± 2) ℃, AM 1.5 according to IEC 60904-3).
2. Manufacturing tolerances are ±5% for voltage at open-circuit (Voc), ±5% for current at short-circuit (Isc) and ±3% for PV module maximum power (Pmax).

Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.PLUS L-G4.2 XXX B.LINE PLUS L-G4.2 XXX	305-405	305	44.66	9.21	35.63	8.58
		310	44.9	9.26	35.88	8.64
		315	45.14	9.31	36.18	8.71
		320	45.38	9.35	36.49	8.77
		325	45.62	9.4	36.78	8.84
		330	45.86	9.45	37.08	8.90
		335	46.10	9.50	37.36	8.97
		340	46.34	9.54	37.65	9.03
		345	46.58	9.59	37.93	9.10
		350	46.82	9.64	38.2	9.16
		355	47.06	9.68	38.48	9.23
		360	47.31	9.73	38.74	9.29
		365	47.55	9.78	39.01	9.36
		370	47.79	9.83	39.33	9.42
		375	48.03	9.87	39.62	9.49
Q.PLUS BFR-G4.1 XXX B.LINE PLUS BFR-G4.1 XXX	270-295	270	38.46	9.29	31.04	8.70
		275	38.72	9.35	31.36	8.77
		280	38.97	9.41	31.67	8.84
		282	39.10	9.50	31.40	9.00
		285	39.22	9.46	31.99	8.91
		290	39.48	9.52	32.29	8.98
		295	39.73	9.58	32.59	9.05
Q.PLUS DUO L-G5.2 XXX B.LINE PLUS DUO L-G5.2 XXX	340-385	340	45.89	9.69	37.40	9.09
		345	46.11	9.73	37.68	9.16

Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.TRON BLK ML-G1 XXX Q.TRON BLK ML-G1+ XXX B.LINE TRON BLK ML-G1 XXX	385-445	385	46.15	10.95	37.47	10.27
		390	46.18	10.98	37.75	10.33
		395	46.22	11.01	38.03	10.39
		400	46.25	11.04	38.31	10.44
		405	46.29	11.07	38.58	10.50
		410	46.32	11.10	38.85	10.55
		415	46.35	11.13	39.12	10.61
		420	46.39	11.16	39.39	10.66
		425	46.42	11.19	39.65	10.72
		430	46.45	11.21	39.91	10.77
		435	46.49	11.24	40.17	10.83
		440	46.52	11.27	40.42	10.89
		445	46.56	11.30	40.67	10.94
Q.PEAK DUO XL-G11.2 XXX Q.PEAK DUO XL-G11.3 XXX	570-590	570	53.59	13.49	44.46	12.82
		575	53.62	13.51	44.68	12.87
		580	53.64	13.54	44.90	12.92
		585	53.67	13.57	45.12	12.97
		590	53.70	13.59	45.33	13.01
Q.TRON-G1+ XXX	340-380	340	41.14	11.11	32.89	10.35
		345	41.17	11.14	33.15	10.41
		350	41.20	11.17	33.41	10.48
		355	41.24	11.21	33.68	10.54
		360	41.27	11.24	33.94	10.61
		365	41.30	11.27	34.20	10.67
		370	41.34	11.31	34.47	10.73
		375	41.37	11.34	34.73	10.80
		380	41.40	11.37	34.99	10.86

Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.TRON BLK-G1+ XXX	340-380	340	41.15	11.00	33.10	10.28
		345	41.18	11.03	33.37	10.34
		350	41.21	11.07	33.63	10.41
		355	41.25	11.10	33.90	10.47
		360	41.28	11.14	34.17	10.54
		365	41.31	11.17	34.43	10.60
		370	41.35	11.20	34.70	10.66
		375	41.38	11.24	34.96	10.73
		380	41.41	11.27	35.23	10.79
Q.PEAK DUO BLK ML-G10+/TS XXX	385-405	385	45.19	11.04	36.36	10.59
		390	45.23	11.07	36.62	10.65
		395	45.27	11.10	36.88	10.71
		400	45.30	11.14	37.13	10.77
		405	45.34	11.17	37.39	10.83

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61730-1:19	Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction, 2019-12
CAN/CSA-C22.2 No. 61730-2:19	Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing, 2019-12
UL 61730-1 1st Edition	Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30
UL 61730-2 1st Edition	Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30

Notes:

Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

SPACE FOR PE STAMP:

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
MODULE CERTIFICATIONS

SCALE [1]
NTS

SHEET
E5

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

CERTIFICATE OF COMPLIANCE

Certificate Number	20190417-E210376
Report Reference	E210376-20190328
Issue Date	2019-APRIL-17

Issued to: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal GERMANY

This certificate confirms that representative samples of STATIC INVERTERS, CONVERTERS AND ACCESSORIES FOR USE IN INDEPENDENT POWER SYSTEMS

Permanently-connected, utility Interactive, 3-phase inverter, Models: SHP 150-US-20, SHP 125-US-20. (which are intended for DC input from photovoltaic modules)

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Please see addendum page

Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20190417-E210376
Report Reference	E210376-20190328
Issue Date	2019-APRIL-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standard(s) for Safety:

UL 62109-1, Safety of power converters for use in photovoltaic power systems – Part 1: General requirements.

CSA C22.2 No. 62109-1 Safety of power converters for use in photovoltaic power systems - Part 1: General requirements.

CSA C22.2 No. 62109-2 Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://iq.ul.com/about/locations/

SPACE FOR PE STAMP:

NEW ENERGY EQUITY

PROJECT ENTITY: CAYUGA CSG 2 LLC

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	4.496 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.228
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7752
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER: 22116

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	SLD REFRESH	SP	7/21/2023
1	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
2	CUP PACKAGE	NGA	11/30/2023
3	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
4	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
5	3.66MWAC AND STORMWATER	NGA	1/31/2024
6	EXPANDED INTO THE NE	NGA	2/1/2024
7	NEW SETBACKS + DR CHANGES	NGA	2/13/2024

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
INVERTER CERTIFICATIONS

SCALE [1]
NTS

SHEET
E6

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

EXHIBIT F.b.

WALOWSKY 2 CSG Solar Array

Decommissioning Plan

Prepared for:

CAYUGA CSG 2 LLC
2530 RIVA RD SUITE 200
ANNAPOLIS, MD 21401

Location: CAYUGA, NY
March 11, 2024

NEW ENERGY EQUITY

Table of Contents

1.0 Introduction

The purpose of this report is to describe the decommissioning process for the WALOWSKY 2 CSG solar photovoltaic generation facility ("the project") located at 6310 CAYUGA RD, CAYUGA, NY 13034. The project consists of 7752 solar modules mounted to a driven pile, Single Axis Tracker system. After final circuit consolidation at the equipment pad mounted switchboard, the system's voltage will be stepped-up to distribution level at a transformer and interconnected, onto an existing utility distribution circuit.
The project converts approximately 17.78 acres of agricultural land into a power generation facility. Construction includes solar modules mounted on driven steel piles, inverters, concrete transformer and equipment pads, and gravel access roads.

2.0 Summary Statement of Expected Decommissioning Cost

The expected residual value of the solar facility is the difference between the removal/restoration cost and the salvage value. The decommissioning cost to remove the solar PV facility and reestablish the property back to a grassy field is not expected to exceed a net expenditure of $362,526.51.

3.0 Basis of Plan Narrative

The following is a list of assumptions and clarifications to further define the methodology used to establish the scope and values of the removal costs and salvage values.

3.1 General

- The intent of the decommissioning work will be to fully remove the solar facility, dispose of any components, and restore the site to a permanently stabilized grassed field.
- The service life of the facility is assumed to be 35 years. Because of this there is inherent uncertainty with pricing estimates that far into the future. All dollar amounts are in net present value (NPV). It is assumed that all values will inflate/deflate consistent with inflation, therefore, the NPV comparison of removal cost to salvage value will remain relevant at the end of the service life.
- Costs associated with this plan represent a "turn key" operation for a general contractor to be hired for this work, including permits, mobilization, contingency, etc.

- Haul costs assume a maximum distance of 60 miles between the project and nearest disposal or recycling facility.
- No maximum duration has been assigned for this work. It has been assumed that this work would be handled by a single crew without full time site personnel.

3.2 Civil Infrastructure

- Topsoil used to backfill excavations will be borrowed from onsite locations. No topsoil import is included.
- Removal of rip rap at stormwater basins is included.
- Aggregate removal will be the full depth of the aggregate section for roads, equipment pads, and other areas utilizing aggregate. No aggregate will be buried. Includes subgrade scarification prior to backfilling with topsoil.
- Turf establishment includes mulch, fertilizer, and water as necessary to achieve 70% ground cover as required to satisfy the NPDES Construction General Permit.
- Sediment control cost consists of silt fence but could also be fiber logs. Location of sediment control will be downslope from exposed soils only in areas where sedimentation offsite or into onsite water bodies can reasonably be expected.
- Trees and shrubs shall be protected and shall remain in place.

3.3 Structural Infrastructure

- Steel pile foundation removal is estimated at 25% the effort and cost as pile installation.
- Steel racking removal is estimated at 50% the effort and cost of racking installation.

3.4 Electrical Infrastructure

- PV modules to be recycled. Assumption is that the module value will be based off the module wattage. i.e. a higher wattage module will be worth more than a lower one.
- Switchgear including transformers will be removed from their respective concrete pads and recycled or returned to the manufacturer.
- Copper wiring will be dug up (if required) and recycled.
- Aluminum wiring will be dug up (if required) and recycled.
- Customer owned site riser or interconnection poles shall be removed.
- A two-person crew can dismantle a string inverter and recycle the components.
- Transformers are pad mounted and weigh approximately 8,500 pounds. These are dry type transformers, so there is no need for any oil disposal.
- Underground power and communication cables can be removed by excavating with a power trencher or excavator.

3.5 Recycling PV Modules

- Recycling solar modules have environmental benefits such as
    - o Crea. ng a useful and sustainable method of disposal
    - o Providing raw materials for repurposing and reprocessing
    - o Recovering up to 90% of the photovoltaic glass and up to 95% of the
    - o semiconductor material necessary for further production
    - o Recycling of rare earth metals.

4.0 Schedule of Removal and Restoration Costs

Removal and Restoration Costs						
CIVIL INFRASTRUCTURE						
		QUANTITY	**UNITS**	**$/UNIT**	**COST**	**NOTES**
1	Road Aggregate, Rip Rap, and Geotextile Removal	5850	ft^3	$ 1.00	$ 5,850.00	Remove full section of aggregate road, rip rap, and geotextile fabrics
2	Road Aggregate, Rip Rap, and Geotextile Haul and Offsite Disposal	5850	ft^3	$ 3.28	$ 19,200.00	Hauling offsite
3	Topsoil Backfill	7500	ft^3	$ 1.00	$ 7,500.00	Onsite relocation of topsoil to backfill road and equipment pad excavations
4	Chainlink Fence Removal	5,370	ft	$ 1.00	$ 5,370.00	Includes fence mesh, post framing, concrete foundations, gates, etc.
5	Chainlink Fence Haul and Offsite Disposal	26,850	lbs	$ 0.03	$ 820.07	
6	Concrete Equipment Pad Removal	2	EA	$ 5,000.00	$ 10,000.00	
7	Concrete Waste Haul and Offsite Disposal	2	EA	$ 2,500.00	$ 5,000.00	
8	Site Grading	1.778	Acres	$ 5,000.00	$ 8,890.00	Grading smooth all areas disturbed by removals, excavations, etc, assumed (0.1 x project area) + Road Area + Equipment Pad Area
9	Turf Establishment	17.78	Acres	$ 1,500.00	$ 26,670.00	Hydroseed all areas disturbed by removals, excavations, etc
10	Sediment Control	1790	ft	$ 10.00	$ 17,900.00	Silt fence installation
Structural Infrastructure						
11	Foundation Removal	1706	EA	$ 18.61	$ 31,750.68	~25% of Install cost
12	Foundation Haul and Offsite Disposal	1706	EA	$ 5.97	$ 10,180.92	
13	Racking Removal	240312	lbs	$ 0.33	$ 78,688.56	~50% of Install cost
14	Racking Haul and Offsite Disposal	240312	lbs	$ 0.03	$ 7,339.73	
Electrical Infrastructure						
15	Removal of Solar Modules	7,752	EA	$ 5.00	$ 38,760.00	
16	Removal of String Inverters	25	EA	$ 1,000.00	$ 25,000.00	
17	Removal of Switchgear/Xfmr	2	EA	$ 5,000.00	$ 10,000.00	
18	Removal of Riser and Interconnection Poles	6	EA	$ 1,000.00	$ 6,000.00	
19	Removal of SCADA/Aux Panel/Weather Station	1	EA	$ 200.00	$ 200.00	
20	Removal of DC Copper Wire	4,469	lbs	$ 2.00	$ 8,938.00	
21	Removal of AC Aluminum Wires	6,588	lbs	$ 2.00	$ 13,176.00	
	Total Cost				**$ 337,233.96**	

5.0 Schedule of Salvage Values

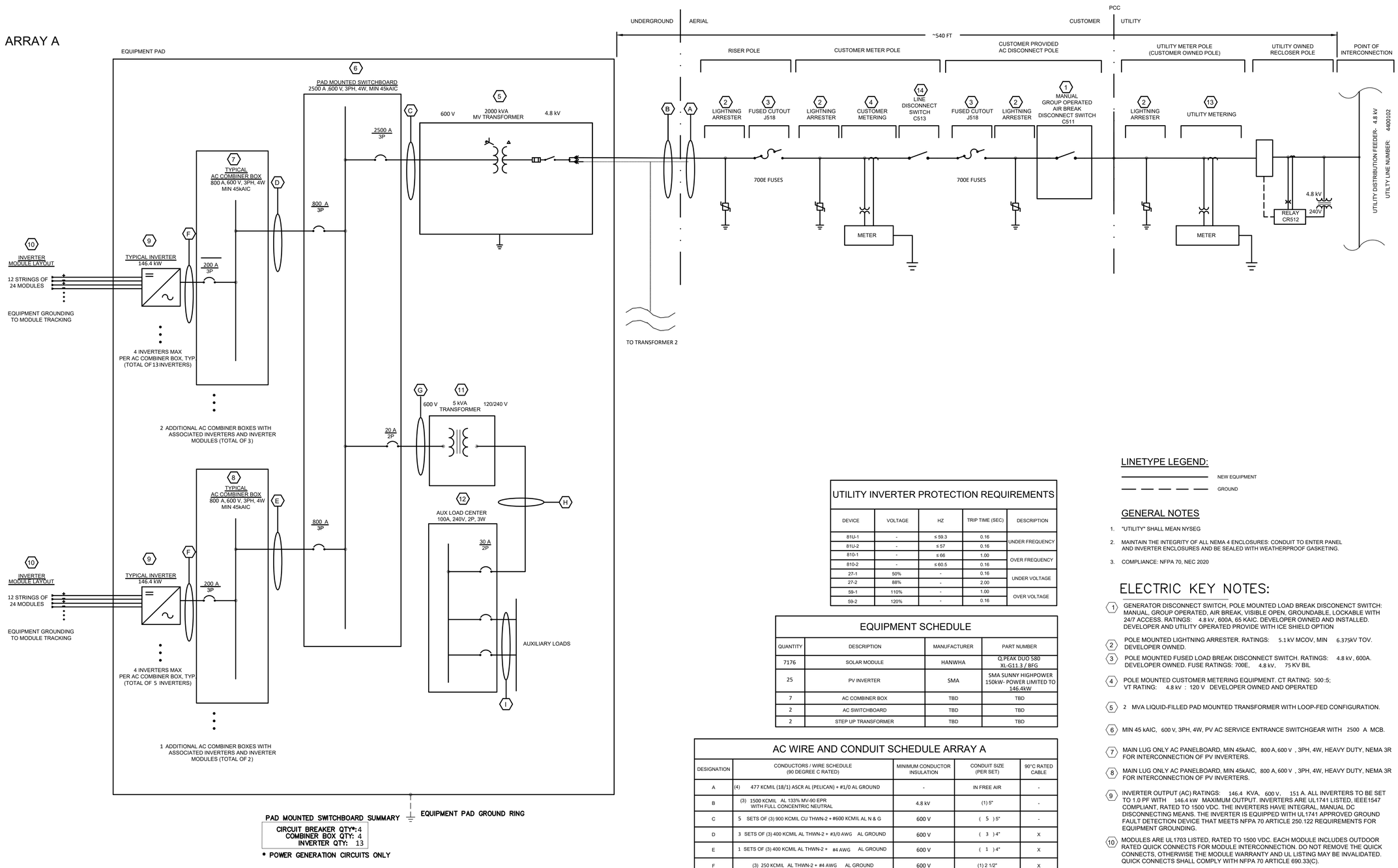
Salvage Values					
Structural Infrastructure					
		QUANTITY	**UNITS**	**$/UNIT**	**VALUE**
1	Steel Pile	333336	lbs	$ 0.10	$ 32,500.26
2	Steel Racking	240312	lbs	$ 0.10	$ 23,430.42
3	Chainlink Fence	5,370	ft	$ 0.49	$ 2,617.88
Electrical Infrastructure					
		QUANTITY	**UNITS**	**$/UNIT**	**VALUE**
4	PV Modules	7,752	$/Panel	$ 29.00	$ 224,808.00
5	Equipment Switchgear in Xfmrs	2	EA	$ 1,200.00	$ 2,400.00
6	DC Copper Wires	4,469	lbs	$ 1.10	$ 4,915.90
7	AC Aluminum Wires	6,588	lbs	$ 0.62	$ 4,084.56
	Total				**$ 294,757.02**

6.0 Schedule of Summary

Summary		
Description	**Cost**	**Units**
Decommissioning Estimate (DE)	$ 337,233.96	$
Factor of Safety (FoS)	1.075	
DE with FoS	$ 362,526.51	$
Salvage Estimate (SE)	$ 294,757.02	$
Total Cost (DE-SE)	$ 67,769.49	$
Average Inflation rate	2.50%	%
Time Period	35	Years
Total Cost with FoS and Inflation after Time Period	$ 156,908.21	$

EXHIBIT F.c.

ARRAY A



PAD MOUNTED SWITCHBOARD SUMMARY

CIRCUIT BREAKER QTY*:	4
COMBINER BOX QTY:	4
INVERTER QTY:	13

*** POWER GENERATION CIRCUITS ONLY**

LINETYPE LEGEND:

NEW EQUIPMENT

GROUND

GENERAL NOTES

1. "UTILITY" SHALL MEAN NYSEG
2. MAINTAIN THE INTEGRITY OF ALL NEMA 4 ENCLOSURES: CONDUIT TO ENTER PANEL AND INVERTER ENCLOSURES AND BE SEALED WITH WEATHERPROOF GASKETING.
3. COMPLIANCE: NFPA 70, NEC 2020

ELECTRIC KEY NOTES:

1. GENERATOR DISCONNECT SWITCH, POLE MOUNTED LOAD BREAK DISCONENCT SWITCH: MANUAL, GROUP OPERATED, AIR BREAK, VISIBLE OPEN, GROUNDABLE, LOCKABLE WITH 24/7 ACCESS. RATINGS: 4.8 kV, 600A, 65 KAIC. DEVELOPER OWNED AND INSTALLED. DEVELOPER AND UTILITY OPERATED PROVIDE WITH ICE SHIELD OPTION
2. POLE MOUNTED LIGHTNING ARRESTER. RATINGS: 5.1 kV MCOV, MIN 6.375kV TOV. DEVELOPER OWNED.
3. POLE MOUNTED FUSED LOAD BREAK DISCONNECT SWITCH. RATINGS: 4.8 kV , 600A. DEVELOPER OWNED. FUSE RATINGS: 700E, 4.8 kV, 75 KV BIL
4. POLE MOUNTED CUSTOMER METERING EQUIPMENT. CT RATING: 500 :5; VT RATING: 4.8 kV : 120 V DEVELOPER OWNED AND OPERATED
5. 2 MVA LIQUID-FILLED PAD MOUNTED TRANSFORMER WITH LOOP-FED CONFIGURATION.
6. MIN 45 kAIC, 600 V, 3PH, 4W, PV AC SERVICE ENTRANCE SWITCHGEAR WITH 2500 A MCB.
7. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V , 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.
8. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V , 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.
9. INVERTER OUTPUT (AC) RATINGS: 146.4 KVA, 600 V, 151 A. ALL INVERTERS TO BE SET TO 1.0 PF WITH 146.4 kW MAXIMUM OUTPUT. INVERTERS ARE UL1741 LISTED, IEEE1547 COMPLIANT, RATED TO 1500 VDC. THE INVERTERS HAVE INTEGRAL, MANUAL DC DISCONNECTING MEANS. THE INVERTER IS EQUIPPED WITH UL1741 APPROVED GROUND FAULT DETECTION DEVICE THAT MEETS NFPA 70 ARTICLE 250.122 REQUIREMENTS FOR EQUIPMENT GROUNDING.
10. MODULES ARE UL1703 LISTED, RATED TO 1500 VDC. EACH MODULE INCLUDES OUTDOOR RATED QUICK CONNECTS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND UL LISTING MAY BE INVALIDATED. QUICK CONNECTS SHALL COMPLY WITH NFPA 70 ARTICLE 690.33(C).
11. 5.0 KVA ENCAPSULATED NEMA 3R TRANSFORMER. PRIMARY: 600 V SINGLE PHASE; SECONDARY: 120/240V SINGLE PHASE. TRANSFORMER TO BE MOUNTED ON EQUIPMENT FRAME AT EQUIPMENT PAD.
12. 10 kA, 2PH, 3W, 12CKT AUXILIARY LOAD CENTER WITH 30A, 2P MCB. PANEL SHALL BE NEMA 3R RATED AND MOUNTED ON EQUIPMENT FRAME AT INVERTER EQUIPMENT PAD.
13. POLE MOUNTED UTILITY METERING EQUIPMENT. CT RATING: 500 :5; PT RATING: 4.8 kV : 120 V. UTILITY TO MAKE FINAL CONNECTION. UTILITY OWNED AND OPERATED.
14. STANDARD POLE MOUNTED LOAD BREAK SWITCH MIN RATINGS: 700A, 4.8 kV, 75KV BIL

UTILITY INVERTER PROTECTION REQUIREMENTS

DEVICE	VOLTAGE	HZ	TRIP TIME (SEC)	DESCRIPTION
81U-1	-	≤ 59.3	0.16	UNDER FREQUENCY
81U-2	-	≤ 57	0.16	
810-1	-	≤ 66	1.00	OVER FREQUENCY
810-2	-	≤ 60.5	0.16	
27-1	50%	-	0.16	UNDER VOLTAGE
27-2	88%	-	2.00	
59-1	110%	-	1.00	OVER VOLTAGE
59-2	120%	-	0.16	

EQUIPMENT SCHEDULE

QUANTITY	DESCRIPTION	MANUFACTURER	PART NUMBER
7176	SOLAR MODULE	HANWHA	Q.PEAK DUO S80 XL-G11.3 / BFG
25	PV INVERTER	SMA	SMA SUNNY HIGHPOWER 150KW- POWER LIMITED TO 146.4kW
7	AC COMBINER BOX	TBD	TBD
2	AC SWITCHBOARD	TBD	TBD
2	STEP UP TRANSFORMER	TBD	TBD

AC WIRE AND CONDUIT SCHEDULE ARRAY A

DESIGNATION	CONDUCTORS / WIRE SCHEDULE (90 DEGREE C RATED)	MINIMUM CONDUCTOR INSULATION	CONDUIT SIZE (PER SET)	90°C RATED CABLE
A	(4) 477 KCMIL (18/1) ASCR AL (PELICAN) + #1/0 AL GROUND	-	IN FREE AIR	-
B	(3) 1500 KCMIL AL 133% MV-90 EPR WITH FULL CONCENTRIC NEUTRAL	4.8 kV	(1) 5"	-
C	5 SETS OF (3) 900 KCMIL CU THWN-2 + #600 KCMIL AL N & G	600 V	(5) 5"	-
D	3 SETS OF (3) 400 KCMIL AL THWN-2 + #3/0 AWG AL GROUND	600 V	(3) 4"	X
E	1 SETS OF (3) 400 KCMIL AL THWN-2 + #4 AWG AL GROUND	600 V	(1) 4"	X
F	(3) 250 KCMIL AL THWN-2 + #4 AWG AL GROUND	600 V	(1) 2 1/2"	X
G	(2) #12 AWG CU THWN-2 + #12 AWG CU GROUND	600 V	(1) 3/4"	-
H	(3) #10 AWG CU THWN-2 + #10 AWG CU GROUND	600 V	(1) 3/4"	-
I	(2) #12 AWG CU THWN-2 + #12 AWG CU GROUND	600 V	(1) 3/4"	-

WIRE AND CONDUIT SCHEDULE NOTES:

1. LISTED PIN ADAPTERS OR COMPRESSION LUGS SHALL BE PERMITTED FOR USE WITH ALUMINUM CONDUCTORS. CONDUCTOR SHALL BE PREPARED AND TERMINATED PER MANUFACTURER'S GUIDELINES.
2. ELECTRICAL CONTRACTOR SHALL IDENTIFY SOURCE WIRING WITH MARKING TAPE OR OTHER APPROVED METHOD. POSITIVE SHALL BE MARKED RED AND NEGATIVE MARKED BLACK. CONDUCTORS 4 AWG AND LARGER SHALL BE IDENTIFIED AT ALL TERMINATIONS. PROVIDE COMPRESSION LUGS AT BUS TERMINATIONS.

NEW ENERGY EQUITY

PROJECT ENTITY: TBD

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	4.162 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.137
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7176
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER TBD

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	NGA	4/10/2023
1	SLD REFRESH	SP	7/21/2023
2	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
3	CUP PACKAGE	NGA	11/30/2023
4	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
5	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
6	3.66MWAC AND STORMWATER	NGA	1/31/2024
7			

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

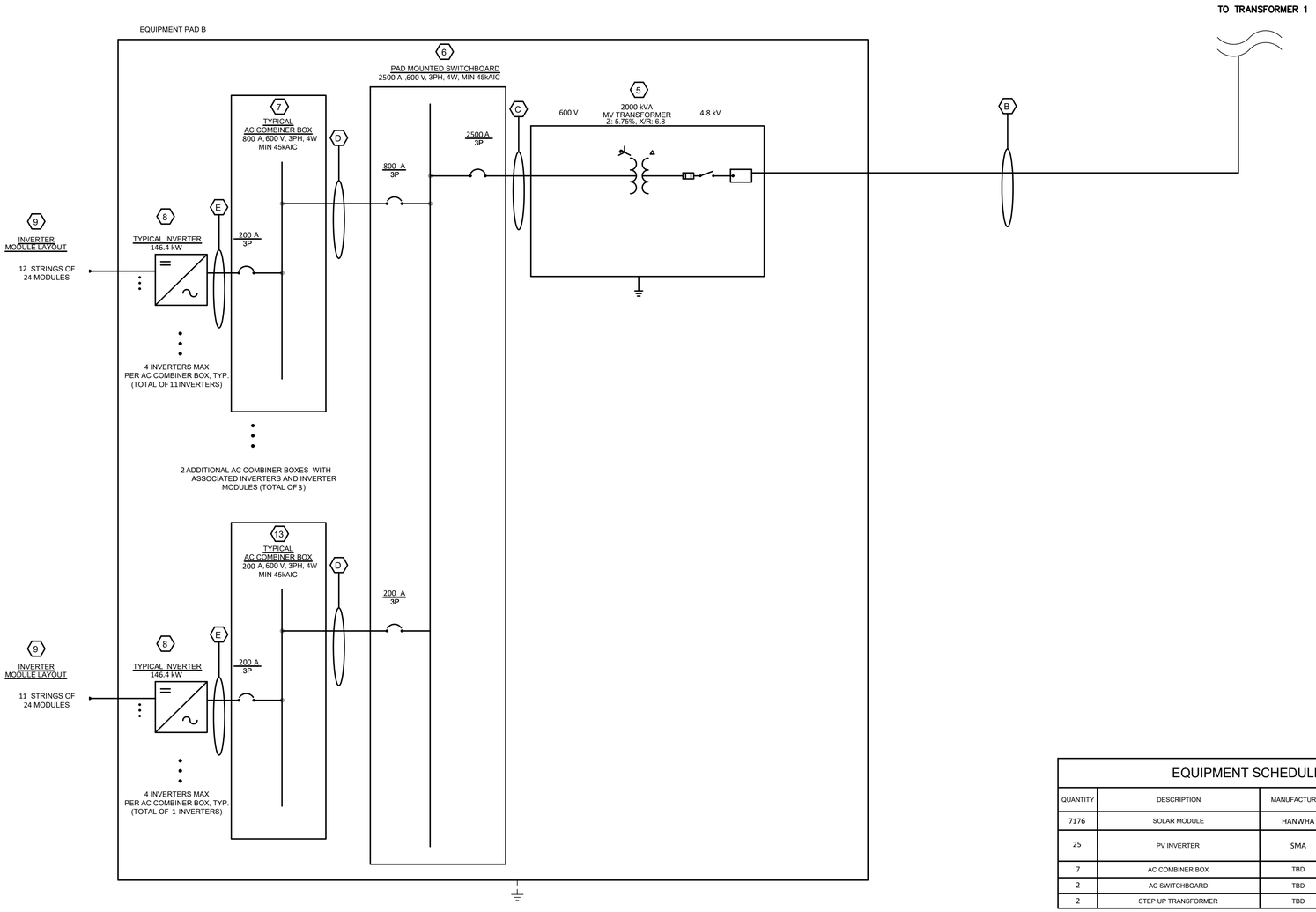
DRAWING TITLE
SINGLE LINE DIAGRAM A

SCALE [1]
NTS

SHEET
E1A

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

ARRAY B



PAD MOUNTED SWITCHBOARD SUMMARY

CIRCUIT BREAKER QTY*:	3
COMBINER BOX QTY:	3
INVERTER QTY:	12

*** POWER GENERATION CIRCUITS ONLY**

EQUIPMENT SCHEDULE

QUANTITY	DESCRIPTION	MANUFACTURER	PART NUMBER
7176	SOLAR MODULE	HANWHA	Q.PEAK DUO 580 XL-G11.3 / BFG
25	PV INVERTER	SMA	SMA SUNNY HIGHPOWER 150kW- POWER LIMITED TO 146.4kW
7	AC COMBINER BOX	TBD	TBD
2	AC SWITCHBOARD	TBD	TBD
2	STEP UP TRANSFORMER	TBD	TBD

AC WIRE AND CONDUIT SCHEDULE ARRAY B

DESIGNATION	CONDUCTORS / WIRE SCHEDULE (90 DEGREE C RATED)	MINIMUM CONDUCTOR INSULATION	CONDUIT SIZE (PER SET)	90°C RATED CABLE
A	(4) 477 KCMIL (18/1) ASCR AL (PELICAN) + #1/0 AL GROUND	-	IN FREE AIR	-
B	(4) 1500 KCMIL AL 133% MV-90 EPR WITH FULL CONCENTRIC NEUTRAL	4.8 kV	(1) 5"	-
C	5 SETS OF (3) 900 KCMIL CU THWN-2 + #3/0 AWG AL GROUND	600 V	(5) 5"	-
D	3 SETS OF (3) 400 KCMIL AL THWN-2 + #3/0 AWG AL GROUND	600 V	(3) 4"	X
E	(4) 250 KCMIL AL THWN-2 + #4 AWG AL GROUND	600 V	(1) 2 1/2"	X

WIRE AND CONDUIT SCHEDULE NOTES:

1. LISTED PIN ADAPTERS OR COMPRESSION LUGS SHALL BE PERMITTED FOR USE WITH ALUMINUM CONDUCTORS. CONDUCTOR SHALL BE PREPARED AND TERMINATED PER MANUFACTURER'S GUIDELINES.
2. ELECTRICAL CONTRACTOR SHALL IDENTIFY SOURCE WIRING WITH MARKING TAPE OR OTHER APPROVED METHOD. POSITIVE SHALL BE MARKED RED AND NEGATIVE MARKED BLACK. CONDUCTORS 4 AWG AND LARGER SHALL BE IDENTIFIED AT ALL TERMINATIONS. PROVIDE COMPRESSION LUGS AT BUS TERMINATIONS.
3. ALL PARALLEL CABLE SETS TO BE INSTALLED WITH GROUND CONDUCTORS IN EACH CONDUIT.
4. CABLES NOT SIZED FOR VOLTAGE DROP

GENERAL NOTES

1. "UTILITY" SHALL MEAN NYSEG
2. MAINTAIN THE INTEGRITY OF ALL NEMA 4 ENCLOSURES: CONDUIT TO ENTER PANEL AND INVERTER ENCLOSURES AND BE SEALED WITH WEATHERPROOF GASKETING.
3. COMPLIANCE: NFPA 70, NEC 2020

ELECTRIC KEY NOTES:

1. GENERATOR DISCONNECT SWITCH, POLE MOUNTED LOAD BREAK DISCONENCT SWITCH: MANUAL, GROUP OPERATED, AIR BREAK, VISIBLE OPEN, GROUNDABLE, LOCKABLE WITH 24/7 ACCESS. RATINGS: 4.8 kV , 600A, 65 KAIC. DEVELOPER OWNED AND INSTALLED. DEVELOPER AND UTILITY OPERATED PROVIDE WITH ICE SHIELD OPTION
2. POLE MOUNTED LIGHTNING ARRESTER. RATINGS: 5.1 kV MCOV, MIN 6.375 kV TOV. DEVELOPER OWNED.
3. POLE MOUNTED FUSED LOAD BREAK DISCONNECT SWITCH. RATINGS: 4.8 kV, 600A. DEVELOPER OWNED. FUSE RATINGS: 700E, 4.8 kV, 75 KV BIL
4. POLE MOUNTED CUSTOMER METERING EQUIPMENT. CT RATING: 500:5; VT RATING: 4.8 kV : 120 V DEVELOPER OWNED AND OPERATED
5. 2 MVA LIQUID-FILLED PAD MOUNTED TRANSFORMER WITH LOOP-FED CONFIGURATION.
6. MIN 45 kAIC, 600 V, 3PH, 4W, PV AC SERVICE ENTRANCE SWITCHGEAR WITH 2500 A MCB.
7. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 800 A, 600 V, 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.
8. INVERTER OUTPUT (AC) RATINGS: 146.4 KVA, 600 V, 151 A. ALL INVERTERS TO BE SET TO 1.0 PF WITH 146.4 kW MAXIMUM OUTPUT. INVERTERS ARE UL1741 LISTED, IEEE1547 COMPLIANT, RATED TO 1500 VDC. THE INVERTERS HAVE INTEGRAL, MANUAL DC DISCONNECTING MEANS. THE INVERTER IS EQUIPPED WITH UL1741 APPROVED GROUND FAULT DETECTION DEVICE THAT MEETS NFPA 70 ARTICLE 250.122 REQUIREMENTS FOR EQUIPMENT GROUNDING.
9. MODULES ARE UL1703 LISTED, RATED TO 1500 VDC. EACH MODULE INCLUDES OUTDOOR RATED QUICK CONNECTS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND UL LISTING MAY BE INVALIDATED. QUICK CONNECTS SHALL COMPLY WITH NFPA 70 ARTICLE 690.33(C).
10. 5.0 KVA ENCAPSULATED NEMA 3R TRANSFORMER. PRIMARY: 600 V SINGLE PHASE; SECONDARY: 120/240V SINGLE PHASE. TRANSFORMER TO BE MOUNTED ON EQUIPMENT FRAME AT EQUIPMENT PAD.
11. 10 kA, 2PH, 3W, 12CKT AUXILIARY LOAD CENTER WITH 30A, 2P MCB. PANEL SHALL BE NEMA 3R RATED AND MOUNTED ON EQUIPMENT FRAME AT INVERTER EQUIPMENT PAD.
12. POLE MOUNTED UTILITY METERING EQUIPMENT. CT RATING: 500:5; PT RATING: 4.8 kV : 120 V . UTILITY TO MAKE FINAL CONNECTION. UTILITY OWNED AND OPERATED.
13. MAIN LUG ONLY AC PANELBOARD, MIN 45kAIC, 200 A, 600 V, 3PH, 4W, HEAVY DUTY, NEMA 3R FOR INTERCONNECTION OF PV INVERTERS.

NEW ENERGY EQUITY

PROJECT ENTITY: TBD

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
6310 CAYUGA RD
CAYUGA, NY 13034

LAT: 42.9237
LONG: -76.7167

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	4.162 MW
SYSTEM SIZE AC	3.660 MW
DC/AC RATIO	1.137
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	7176
MODULE TYPE	HANWA Q.PEAK DUO XL-G11.3_BFG - 580
MODULE STC RATING	580 W
INVERTER COUNT	25
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 146.4kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-24°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	50 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

CASE NUMBER TBD

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	NGA	4/10/2023
1	SLD REFRESH	SP	7/21/2023
2	AC SIZE REDUCTION (0.075MW)	NGA	9/26/2023
3	CUP PACKAGE	NGA	11/30/2023
4	SUB TRANSMISSION LINE EDITS	NGA	1/18/2024
5	AC SIZE EDIT AND GCR EDIT	NGA	1/24/2024
6	3.66MWAC AND STORMWATER	NGA	1/31/2024
7			

DRAWN BY
NICK ALPHONSO

PROJECT NAME
WALOWSKY TRUST II

DRAWING TITLE
SINGLE LINE DIAGRAM B

SCALE [1]
NTS

SHEET
E1B

[1] DRAWING SCALE ACCURATE WHEN THIS PAGE IS PRINTED ON 24"x36" PAPER.

EXHIBIT F.d.

PRODUCT SAFETY DATA SHEET

HANWHA Q CELLS SOLAR PV MODULES ARE ARTICLES AS DEFINED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION HAZARD COMMUNICATION STANDARD (HCS), 29 C.F.R. § 1910.1200 AND ARE EXEMPT FROM THE LABELING AND SAFETY DATA SHEETS (SDS) REQUIREMENTS OF THE STANDARD.

Hanwha Q CELLS provides this product safety data sheet only for convenience of interested parties in the United States of America who are used to the format of safety data sheets in order to assess the product safety. This product safety data sheet does not replace any other documents provided by Hanwha Q CELLS such as Safety Information, Installation and Operation Manual, Packaging and Transport Information, Product Data Sheet as well as Warranty Terms of the respective product.

SECTION 1: IDENTIFICATION

Solar PV modules convert light into electricity. Light-sensitive cells are electrically interconnected in series and sealed between glass and plastic foils for this purpose. This product safety data sheet is applicable to the following solar PV modules of the Q CELLS brand made by Hanwha Q CELLS:

- Q.PLUS-G4.X, Q.PLUS BFR-G4.X, Q.PLUS L-G4.X, Q.PEAK-G4.X, Q.PEAK BLK-G4.X, Q.PEAK L-G4.X,
- Q.PLUS DUO-G5, Q.PLUS DUO BLK-G5, Q.PLUS DUO L-G5, Q.PLUS DUO-G5.X, Q.PLUS DUO BLK-G5.X, Q.PLUS DUO L-G5.X,
- Q.PEAK DUO-G5, Q.PEAK DUO BLK-G5, Q.PEAK DUO L-G5, Q.PEAK DUO-G5.X, Q.PEAK DUO BLK-G5.X, Q.PEAK DUO L-G5.X,
- Q.PEAK DUO-G6, Q.PEAK DUO BLK-G6, Q.PEAK DUO L-G6, Q.PEAK DUO-G6.X, Q.PEAK DUO BLK-G6.X, Q.PEAK DUO L-G6.X

Minor variations within the product families listed above can be identified by a versioning system which replaces character “X” with numerals of either “1”, “2” or “3” to form G4.1, G4.2, G4.3, G5.1, G5.2, G5.3, G6.1, G6.2 and G6.3, respectively. All of these variants as well as the ones with additional suffix “/TAA” are covered by this product safety data sheet. This is also true for B-grade modules which have minor optical imperfections. Product names of these replace “Q.” with “B.LINE”. B-grade modules of Q.PEAK-G4.1 are named B.LINE PEAK-G4.1 for example.

Responsible Party as Importer:
Name: Hanwha Q CELLS America
Address: 300 Spectrum Center Drive, Suite 1250, Irvine, CA 92618
Phone: 1-949-748-5996

SECTION 2: IDENTIFICATION OF SAFETY RISKS (HAZARDS IDENTIFICATION)

Hanwha Q CELLS solar PV modules do not pose any risk of hazardous chemicals. Hazard symbols and precautionary hazard statements for hazardous chemicals are not applicable. No symptoms or effects – neither acute nor delayed – have to be expected when Hanwha Q CELLS solar PV modules are handled as stipulated in the Installation and Operation Manual. Hanwha Q CELLS provides a Safety Information sheet with all modules shipments. This document contains detailed risk statements and recommendations for installation and operation. Before installing the module, read the Installation and Operation Manual for Q CELLS modules carefully. You can obtain the complete Installation and Operation Manual from your retailer.

Attention: Only qualified and authorized specialists may install modules and put them into operation. Keep children and unauthorized persons away from the modules.

Risks:
- Risk of death from electrocution! Solar modules generate electricity and are energized as soon as they are exposed to light.
- In rare cases, solar PV modules – as any other electrical device – can cause fire due to worn electrical contacts which result in electrical arching.
- Solar PV modules can reach high temperatures which can cause skin burns.
- Sharp edges, corners and broken glass can cause injuries.
- Solar PV modules can cause Injuries due to their weight.
    - Falling solar PV modules can cause injuries.
    - Lifting solar PV modules can cause injuries.

For precautionary statements, please refer to the Installation and Operations Manual of the respective product.

MISUSE OR INCORRECT USE OF SOLAR MODULES VOIDS THE LIMITED WARRANTY AND MAY CREATE A SAFETY HAZARD AND RISK PROPERTY DAMAGE. THIS INCLUDES IMPROPER INSTALLATION OR CONFIGURATION, IMPROPER MAINTENANCE, UNINTENDED USE, AND UNAUTHORIZED MODIFICATION.

PRODUCT SAFETY DATA SHEET

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Safety data sheets are only required for hazardous chemicals covered by the Hazard Communication Standard (HCS). Solar PV modules made by Hanwha Q CELLS are not covered by HCS. The following table provides an overview of materials solar PV modules by Hanwha Q CELLS are made of. The values given for the share of weight are targets and can vary for the products covered by this Product Safety Data Sheet.

COMPONENT	MATERIAL	TOTAL SHARE	REMARK
FRAME	Aluminum	8 % – 16 %	not hazardous
	Silicone	<2 %	not hazardous, see section 8
LAMINATE	Glass	60 % – 80 %	not hazardous
	Plastics (EVA, PET, PE, PPE, PC)	8 % – 16 %	no hazards known
	Silicon	2 % – 4 %	not hazardous
	Metals (Aluminum, Copper, Tin)	1 % – 3 %	not hazardous
	Lead	<0,1 %	hazardous
	Silver	<0,05 %	not hazardous

SECTION 4: FIRST-AID MEASURES

In case of electrocution:

- Always protect yourself by taking all necessary safety precautions before rescuing persons injured.
- Attention: Stay away from sources of high voltage and leave the rescue to qualified personnel with appropriate personal protection equipment!
- Call emergency rescue services.
- Do not touch live parts. Qualified personnel should shut down the PV system as far as possible – e.g. disconnect the modules at the inverter before uncovering any live electrical parts. Be sure to observe the specified time intervals after switching off the inverter. Highvoltage components need time to discharge. Follow OSHA requirements for control of hazardous energy at 29 C.F.R. § 1910.147.
- In the event a person is electrocuted or affected by electrical energy of the solar PV module, CALL 911. Before attempting rescue, SHUTDOWN THE POWER SOURCE.
- Remove the victim from the power source using only insulated tools ONLY IF CONTACT WITH LIVE ELECTRICAL COMPONENTS CAN B PREVENTED.
- Carefully move the injured from the zone of danger.
- After moving to a safe location, check heartbeat, respiration and consciousness of the injured person.
- Apply appropriate life-saving measures (CPR) accordingly before taking care of minor injuries.
- Consult a medical professional even if there are no visible injuries.
    - Flush thermal skin burns caused by touching hot surfaces of solar PV modules with cool water. Consult a medical professional.
    - Injuries due to sharp edges, corners and broken glass need to be appropriately treated. Consult a medical professional.
    - Other types of injuries need to be treated appropriately as well. Consult a medical professional.

SECTION 5: FIRE-FIGHTING MEASURES

- Hanwha Q CELLS solar PV modules are fire rated as Class C according to IEC and UL 1703 as well as Type 1 according to UL 1703.
- Hanwha Q CELLS solar PV modules are extensively tested at the factory to ensure electrical safety of the product before shipment.
- In rare cases, solar PV modules – as any other electrical device – can cause fire due to worn electrical contacts which result in electrical arching.
- In case solar PV modules which are not part of an array are on fire, USE FIRE EXTINGUISHERS RATED FOR ELECTRICAL EQUIPMENT, Class C.
- IN CASE A SOLAR PV MODULE ARRAY IS PRESENT, ANY FIRE SHOULD ONLY BE FOUGHT BY PROFESSIONAL FIREFIGHTERS. FIREFIGHTERS NEED TO TAKE PRECAUTIONS FOR ELECTRICAL VOLTAGES UP TO 1,500 VOLTS (DC).
- Some components of the modules can burn. Potential combustion products include oxides of carbon, nitrogen and silicon.
- In case of prolonged fire, solar PV modules may lose their structural integrity.

General recommendations from the below-mentioned reports:

- Fire service personnel should follow their normal tactics and strategies at structure fires involving solar power systems, but do so with awareness and understanding of exposure to energized electrical equipment. Emergency response personnel should operate normally, and approach this subject area with awareness, caution, and understanding to assure that conditions are maintained as safely as possible.
- Care must be exercised during all operations, both interior and exterior.
- Responding personnel must stay back from the roofline in the event modules or sections of an array may slide off the roof.
- Contacting a local professional PV installation company should be considered to mitigate potential hazards.
- Turning off an array is not as simple as opening a disconnect switch. As long as the array is illuminated, parts of the system will remain energized.
- When illuminated by artificial light sources such as fire department light trucks or an exposure fire, PV systems are capable of producing electrical power sufficient to cause inability to let go from electricity as a result of stimulation of muscle tissue, also known as lock-on hazard.
- Firefighting foam should not be relied upon to block light.
- The electric shock hazard due to application of water is dependent on voltage, water conductivity, distance and spray pattern.
- It is recommendable to fight fire with water instead of foam if a PV system is present. Salt water should not be used.
- Firefighter's gloves and boots afford limited protection against electrical shock provided the insulating surface is intact and dry. They should not be considered equivalent to electrical personal protection equipment.

Readers interested in more details may refer to the following reports:

- National Fire Protection Association, Fire Protection Research Foundation report "Fire Fighter Safety and Emergency Response for Solar Power Systems" issued May 2010, revised October 2013
- Important recommendations from a report called "Firefighter Safety and Photovoltaic Installations Research Project" issued by Underwriters Laboratories on November 29, 2011

SECTION 6: FIRE-FIGHTING MEASURES

This section is not applicable.

SECTION 7: HANDLING AND STORAGE

Before installing the module, read the Installation and Operation Manual for Q CELLS modules carefully. Noncompliance with the instructions may result in damage and physical injury or death. Only qualified and authorized specialists may install modules and put them into operation. You can obtain the complete installation manual from your retailer.

Details about transport and storage of palletized Hanwha Q CELLS solar PV modules can be found in the Packaging and Transport Information of the respective module type.

Storage, transport and unpacking:

- Store the module dry, well-ventilated and properly secured. The original packaging is not weatherproof.
- Always transport the module in its original packaging.
- Do not stack the modules. This prevents damage of the junction box.
- The module is made of glass. Take great care when unpacking, storing and transporting it.
- Do not subject the module glass to any mechanical stress (e.g. through torsion or deflection). Do not step on the module or place any objects onto the module.
- Protect both sides of the module against scratching and other damage.
- Carry the module by holding the edges with both hands, or use a glass suction lifter.
- Never lift or carry the module using the module junction box or wiring. Avoid pulling on the wiring at all costs.

PRODUCT SAFETY DATA SHEET

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Before installing the module, read the Installation and Operation Manual carefully. Noncompliance with the instructions may result in damage and physical injury. Only qualified and authorized specialists may install modules and put them into operation. You can obtain the complete installation manual from your retailer.

- Please follow the valid national regulations and safety guidelines for the installation of electrical devices and systems.
- Please make sure to take all necessary safety precautions.
- Ensure that all personnel are aware of and adhere to accident-prevention and safety regulations.
- For handling of modules wear suitable protective gloves.
- Do not install damaged modules. Ensure that all electrical components are in a proper, dry, and safe condition.
- Do not modify the module (e.g. do not drill any additional holes). Never open the junction box.
- Ensure that modules and tools are not subject to moisture or rain at any time during installation. Only use dry, insulated tools for electrical work.
- Only connect cables with plugs. Ensure for a tight connection between the plugs. Plugs click together audibly.
- Cover the modules with an opaque material during installation. Cover the modules to be disconnected.

Silicones used in manufacturing release methanol during curing. Once cured, no additional methanol is released during use. Small amounts of these chemicals may be present in shipping cartons. Upon receipt, open container in a well ventilated location and allow to stand for 5 minutes before removing units from cartons. Exposures above recommended limits for methanol of 200 ppm eight-hour time-weighted-average (TWA) will not occur.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical state: solid
- Voltage: refer to data sheet (below 50 volts for a single module)

Attention: Voltage of single modules add up when modules are electrically connected in series. Hanwha Q CELLS solar PV modules are designed and certified for voltages up to 1,000 volts or even up to 1,500 volts. Connection of modules in series is only permitted up to the maximum system voltage as listed in the applicable data sheet.

- Weight: refer to data sheet
- Solubility in water: insoluble in water

SECTION 10: STABILITY AND REACTIVITY

Under normal operating conditions as specified in the Product Data Sheet, Hanwha Q CELLS solar PV modules are chemically stable.

- Hanwha Q CELLS solar PV modules are tested for salt spray and ammonia resistance according to IEC 61701 and IEC 62716, respectively.
- Hanwha Q CELLS solar PV modules support ambient operating temperatures from –40 °C to +85 °C (–40 °F to +185 °F).
- Do not install modules above 13.120 ft (4000 m) altitude above sea level.
- Some components of the modules can burn. Potential combustion products include oxides of carbon, nitrogen and silicon.
- Do not scratch off dirt. Use a soft cellulose cloth or sponge to carefully wipe off stubborn dirt. Do not use micro fleece wool or cotton cloths.
- Rinse dirt off with lukewarm water (dust, leaves, etc.)
- Use an alcohol based glass cleaner. Do not use abrasive detergents or tensides.
- Isopropyl alcohol (IPA) can be used selectively to remove stubborn dirt and stains within one hour after it appeared.
- Follow the safety guidelines provided by the IPA manufacturer.
- Do not let IPA run down between the module and the frame or into the module edges.

PRODUCT SAFETY DATA SHEET

SECTION 11: TOXICOLOGICAL INFORMATION

Small amounts of methanol may be present inside shipping cartons. Open cartons and allow to vent before removing units. No exposure to hazardous chemicals will occur when the units are in use.

SECTION 12: ECOLOGICAL INFORMATION

Hanwha Q CELLS solar PV modules are designed to withstand outdoor operating conditions for 25 years. Biodegradation is not expected due to high chemical stability of the components.

SECTION 13: DISPOSAL CONSIDERATIONS

Hanwha Q CELLS solar PV modules should be recycled rather than dumped in a landfill. Raw materials of the product can be recovered by recycling companies. Disposal must be in accordance with national and local laws and regulations for electric/electronic waste.

SECTION 14: TRANSPORT INFORMATION

Hanwha Q CELLS solar PV modules can be shipped via standardized container freight. Regulations for hazardous goods do not apply. For further details, please refer to the Packaging and Transport Information which can be provided as a separate document by Hanwha Q CELLS.

SECTION 15: REGULATORY INFORMATION

- Hanwha Q CELLS solar PV modules are tested according to international standards IEC 61215, IEC 61730 as well as US standards UL 1703.
- Please refer to the Installation and Operation Manual and Product Data Sheet of the respective Hanwha Q CELLS solar PV module.

SECTION 16: OTHER INFORMATION

- Date of initial creation of this product safety data sheet: July 1, 2016
- Date of last revision: August 14, 2018

Hanwha Q CELLS America Inc.
300 Spectrum Center Drive, Suite 1250, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL inquiry@us.q-cells.com | WEB www.q-cells.us

EXHIBIT G

AVANGRID	**Coordinated Electric System Interconnect Review**	DER #22116
	Distributed Energy Resources - NYSSIR	Revision 0 1/4/2024

For

Interconnection Customer: 6310 Cayuga Rd

Applicant: New Energy Equity LLC

3750 kVA PV Generator System

6310 Cayuga Rd

Interconnection to NYSEG

Auburn Division

4400102 Substation Circuit

4.8kV Feeder

This report presents the analysis results of the NYSEG interconnection study based on the proposed interconnection and design submittal from the Interconnection Customer in accordance with the Company Bulletin 86-01. The intent of this report is to assess this project's feasibility, determine its impact to the existing electric power system (EPS), determine interconnection scope and installation requirements, and determine costs associated with interconnecting the Interconnection Customer's generation to the Company's Electric Power System (EPS). This Coordinated Electric System Impact Review (CESIR) study; according to the New York State Standardized Interconnection Requirements (NYSSIR) Section I.C Step 6; identifies the scope, schedule, and costs specific to this Interconnection Customer's installation requirements.

2.0 EXECUTIVE SUMMARY

The total estimated planning grade cost of the work associated with the interconnection of the Interconnection Customer is [redacted]

The interconnection was found to be feasible with modifications to the existing Company EPS and operating conditions, which are described in detail in the body of this Study.

Transmission Planning does not have any concerns with the installation of this proposed generation at this location.

The ability to generate is contingent on this facility being served by the interconnecting circuit during normal Utility operating conditions. Therefore, if the interconnecting circuit is out of service, or if abnormal Utility operating conditions of the area EPS are in effect, NYSEG reserves the right to disengage the facility.

No future increase in generation output beyond that which specified herein for this interconnection has been studied. Any increase in system size and/or design change is subject to a new study and costs associated shall be borne by the Interconnection Customer. An increase in system size may also forfeit the Interconnection Customer's existing queue position.

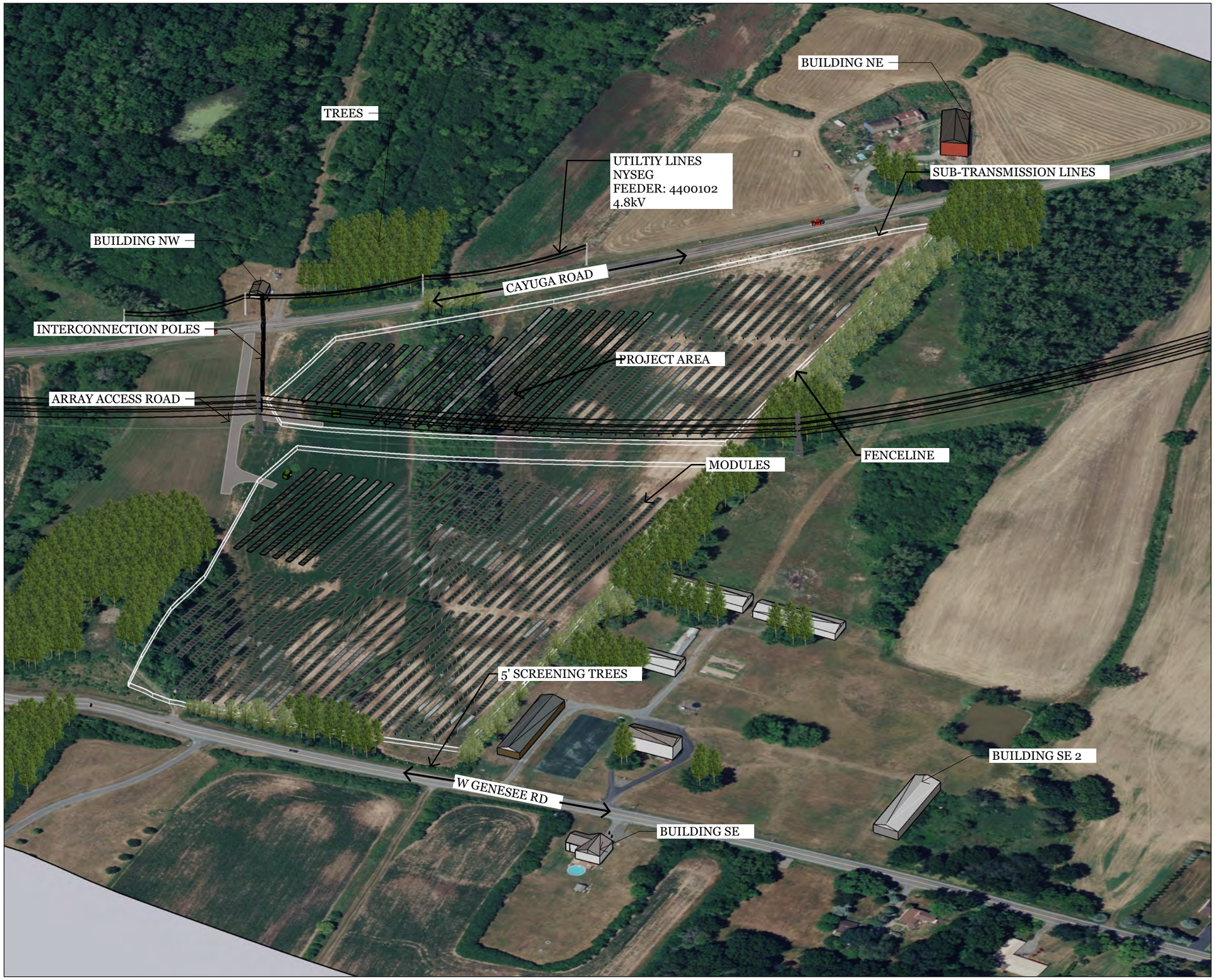
The triggering amount for the express feed is [redacted]
The triggering amount for the substation transformer is [redacted]
The triggering amount for the 3V0 protection is [redacted]

EXHIBIT H

NEW ENERGY EQUITY

AN ALLETE COMPANY

PROJECT	PROJECT ADDRESS	DRAWN BY	DATE	COMPANY ADDRESS
WALOWSKY II COMMUNITY SOLAR GARDEN	6310 CAYUGA RD CAYUGA, NY 13034 LAT/LONG: 42.9237,-76.7167	STANLEY PENG,	2/22/2024	2530 RIVA RD, SUITE 200 ANNAPOLIS, MD 21401 443-267-5012



ISOMETRIC VIEW

Scale: 1" : 150'

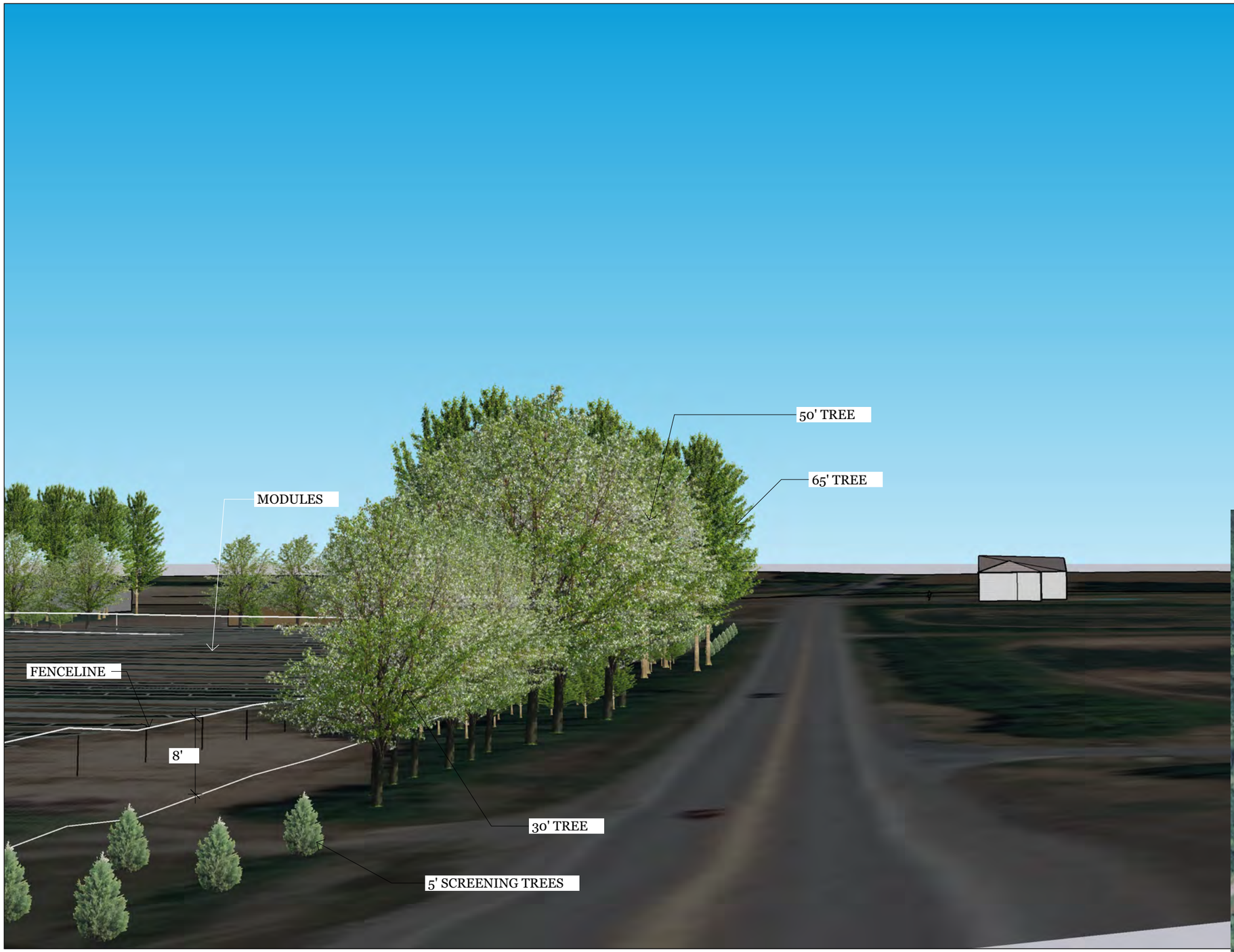
NEW ENERGY EQUITY

AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

V1



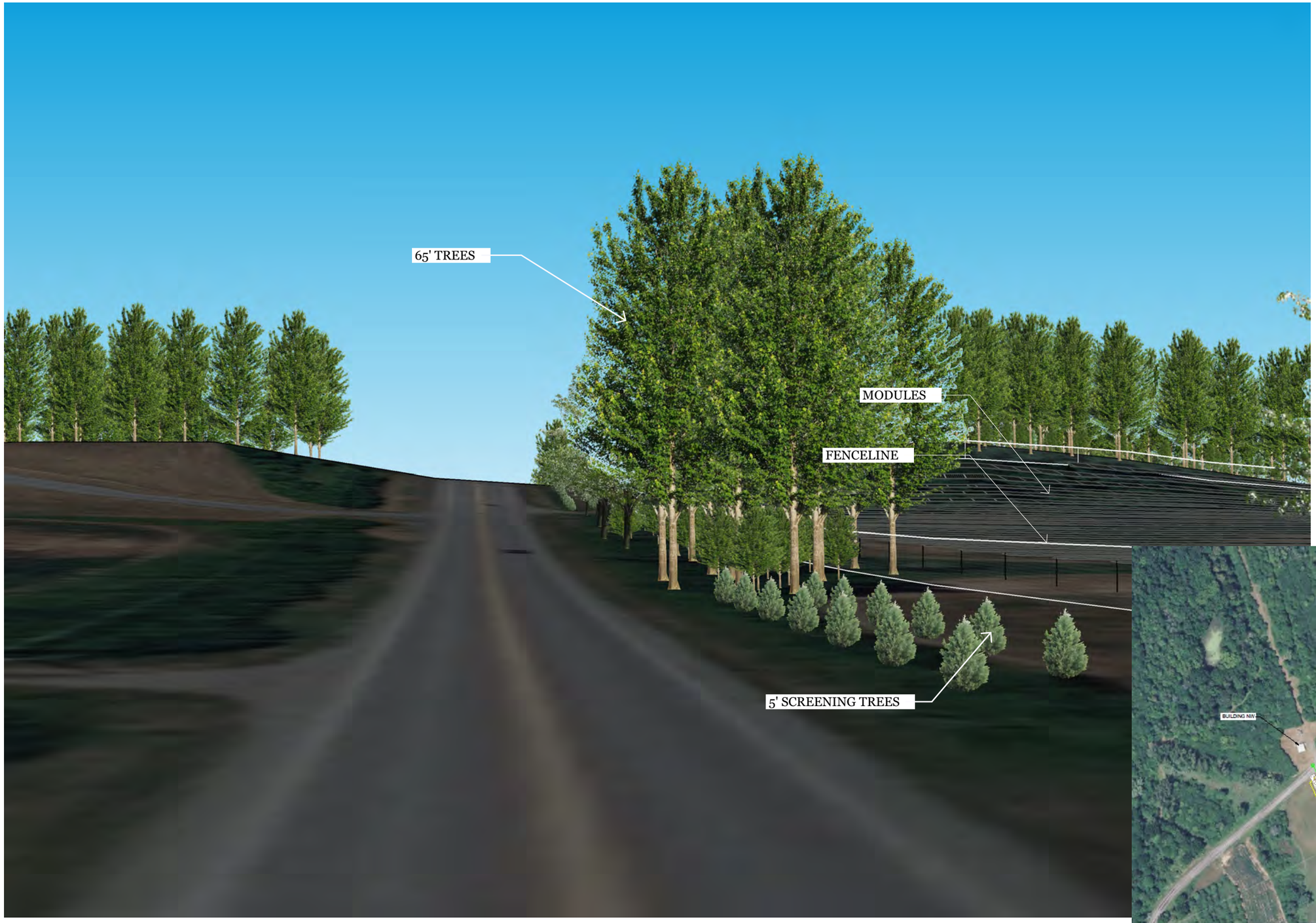
NEW ENERGY EQUITY
AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

VIEW FROM W GENESEE ST RD EAST
Scale: NTS

V2



NEW ENERGY EQUITY

AN ALLETE COMPANY

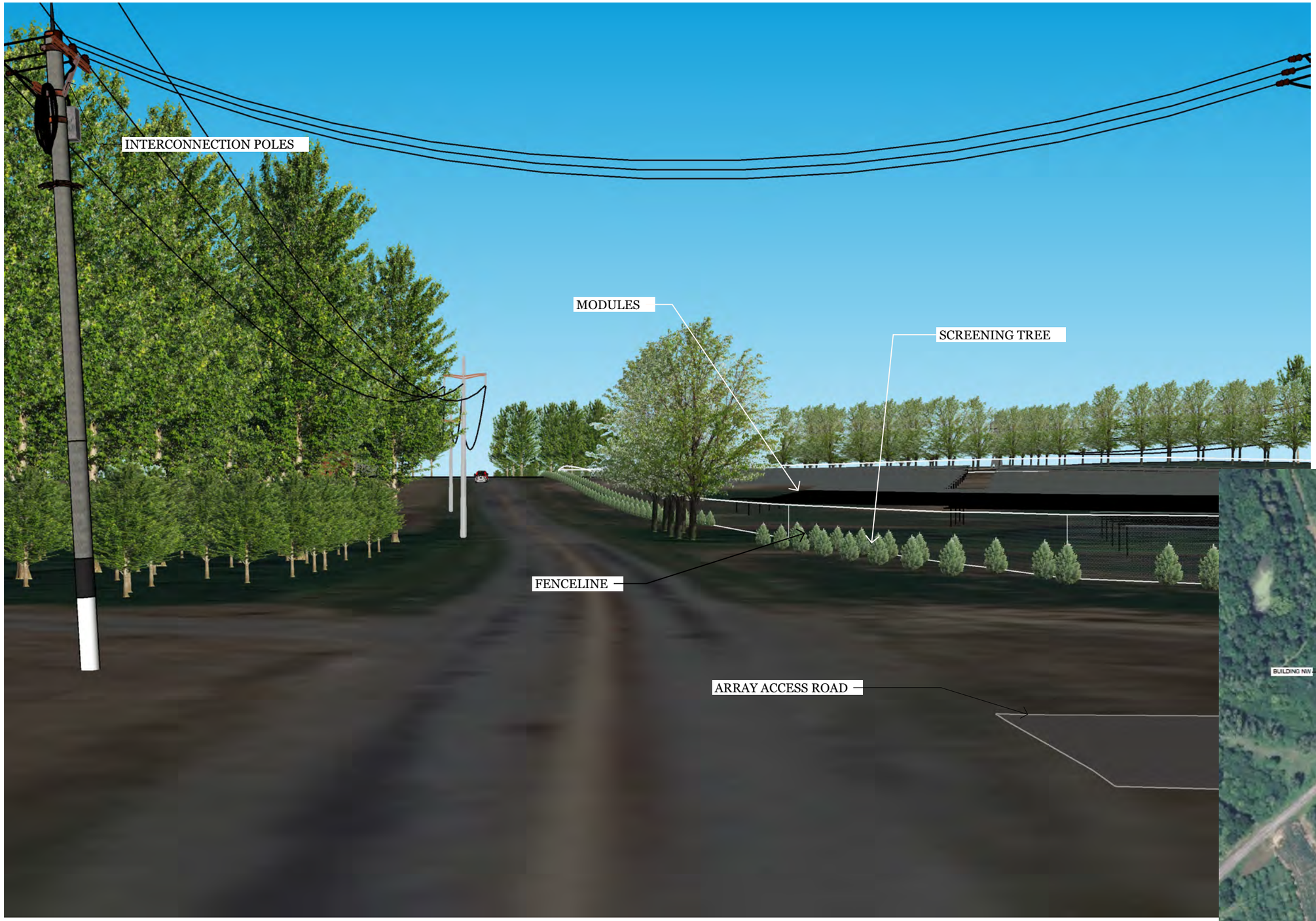
NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

VIEW FROM W GENESEE ST RD WEST

Scale: NTS

V3



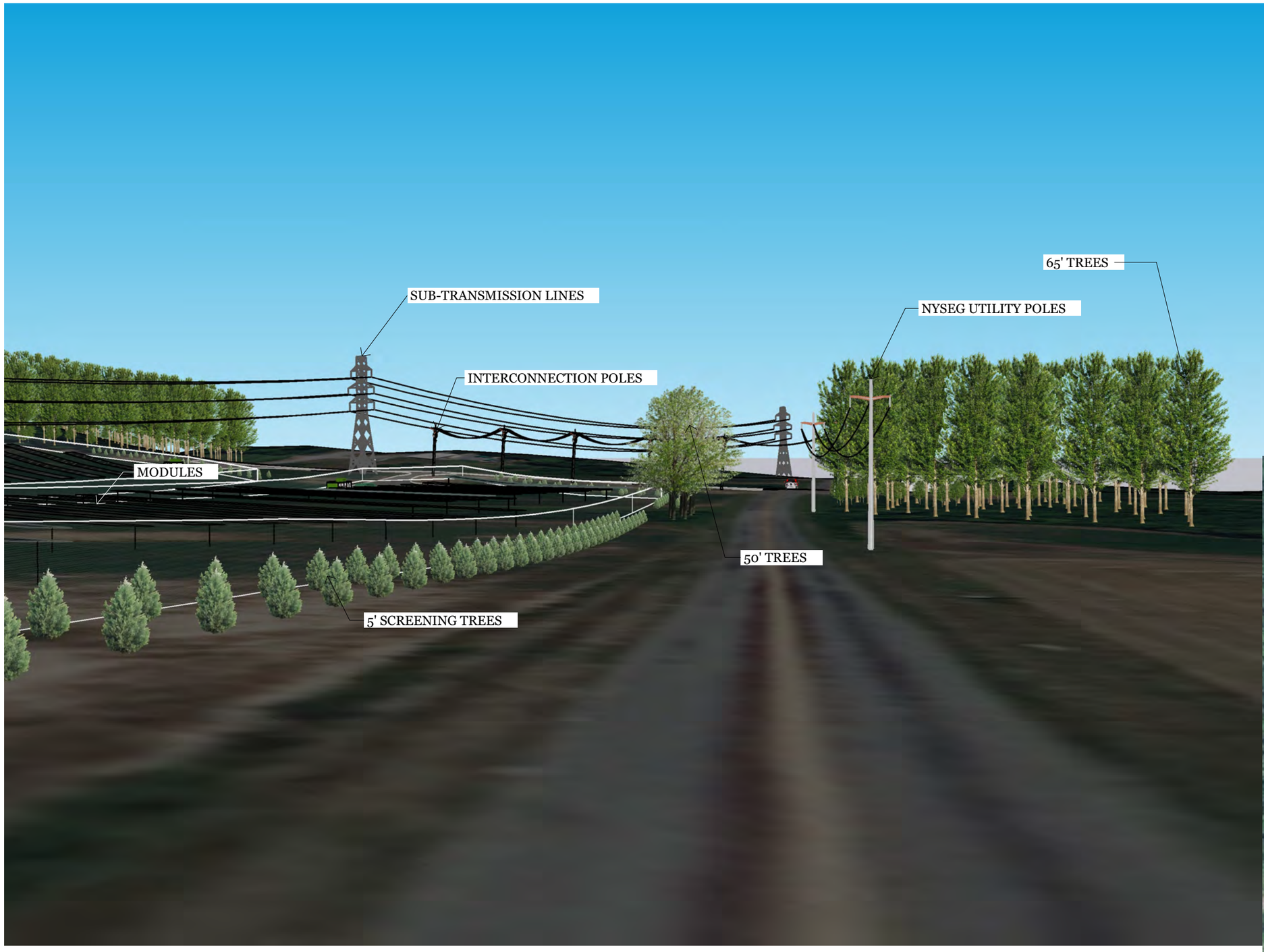
NEW ENERGY EQUITY
AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

VIEW FROM CAYUGA RD NE
Scale: NTS

V4



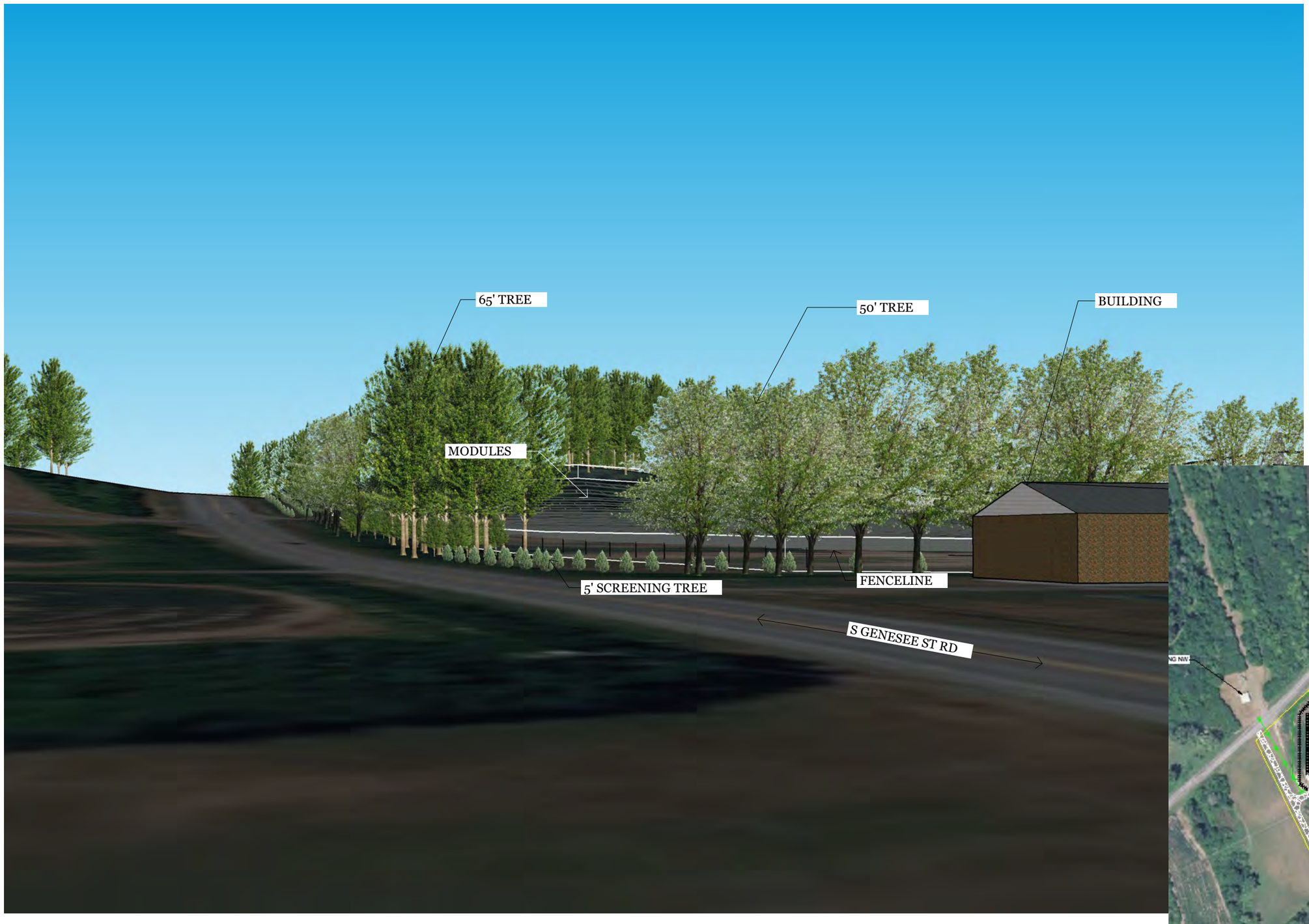
NEW ENERGY EQUITY
AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

VIEW FROM CAYUGA RD SW
Scale: NTS

V5



NEW ENERGY EQUITY

AN ALLETE COMPANY

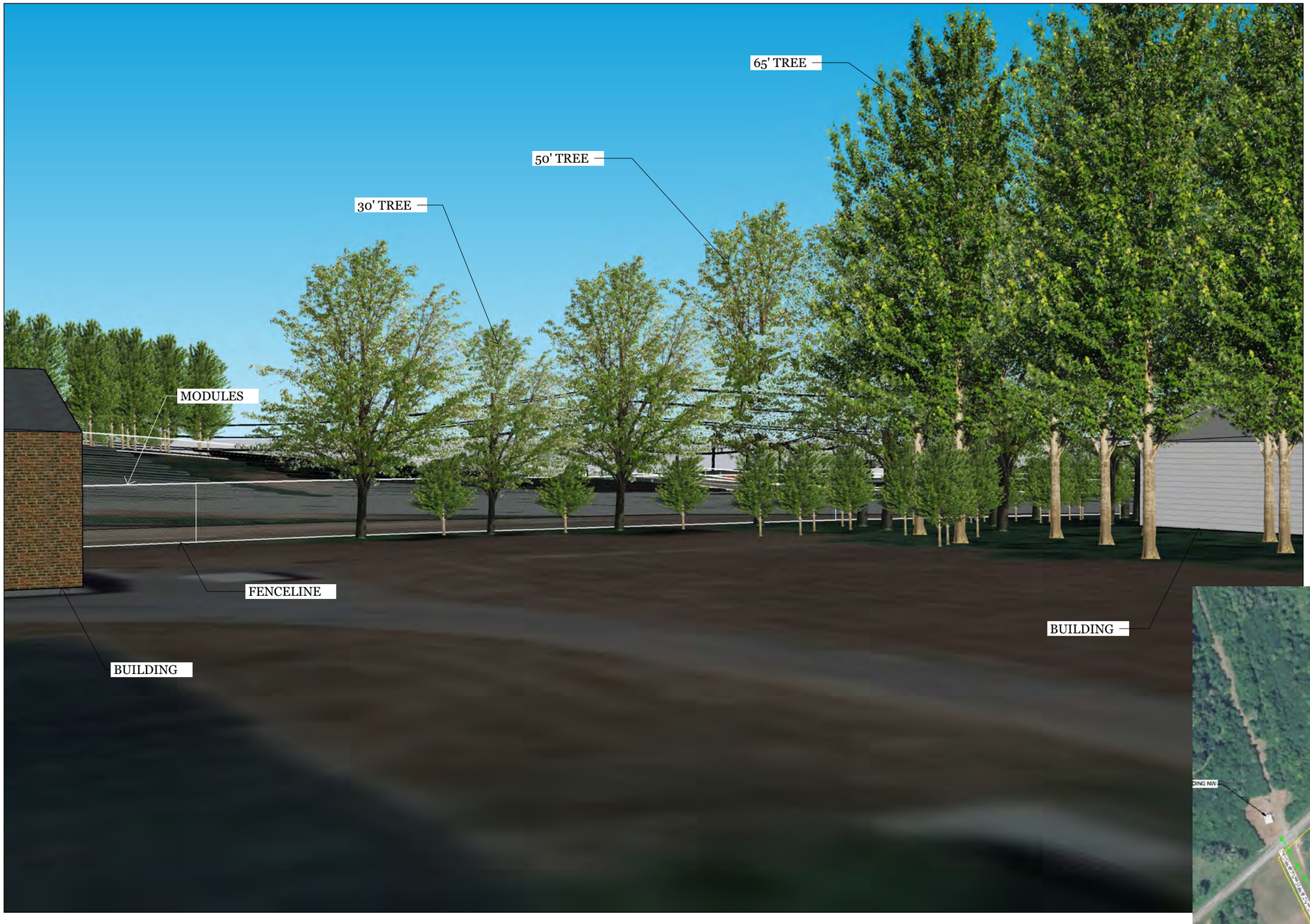
NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

VIEW FROM BUILDING SE

Scale: NTS

V6



VIEW FROM BUILDING SE 2

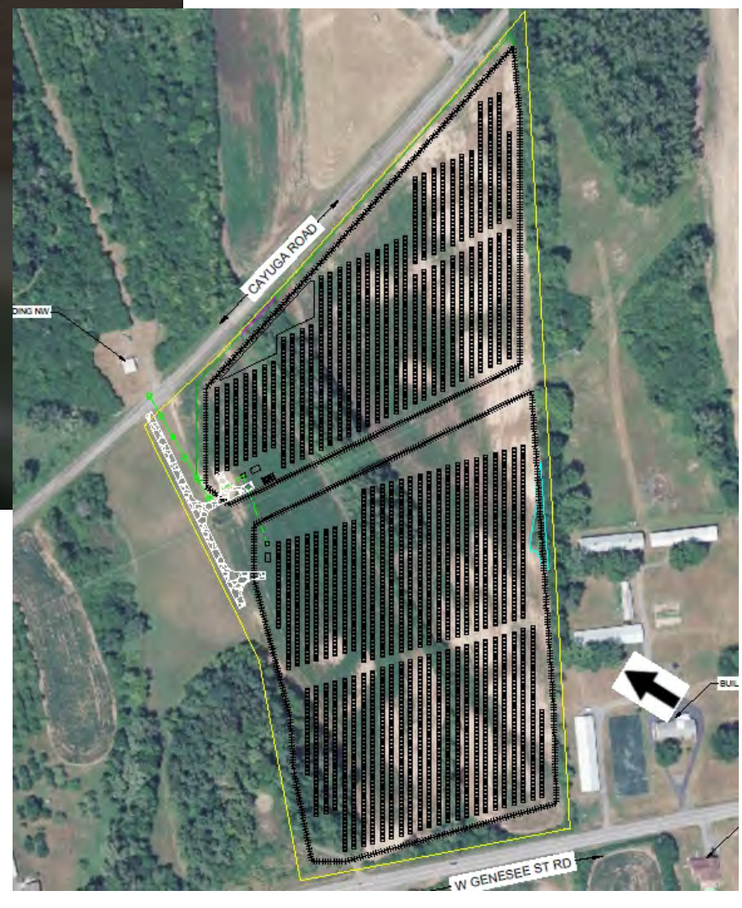
Scale: NTS

NEW ENERGY EQUITY

AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

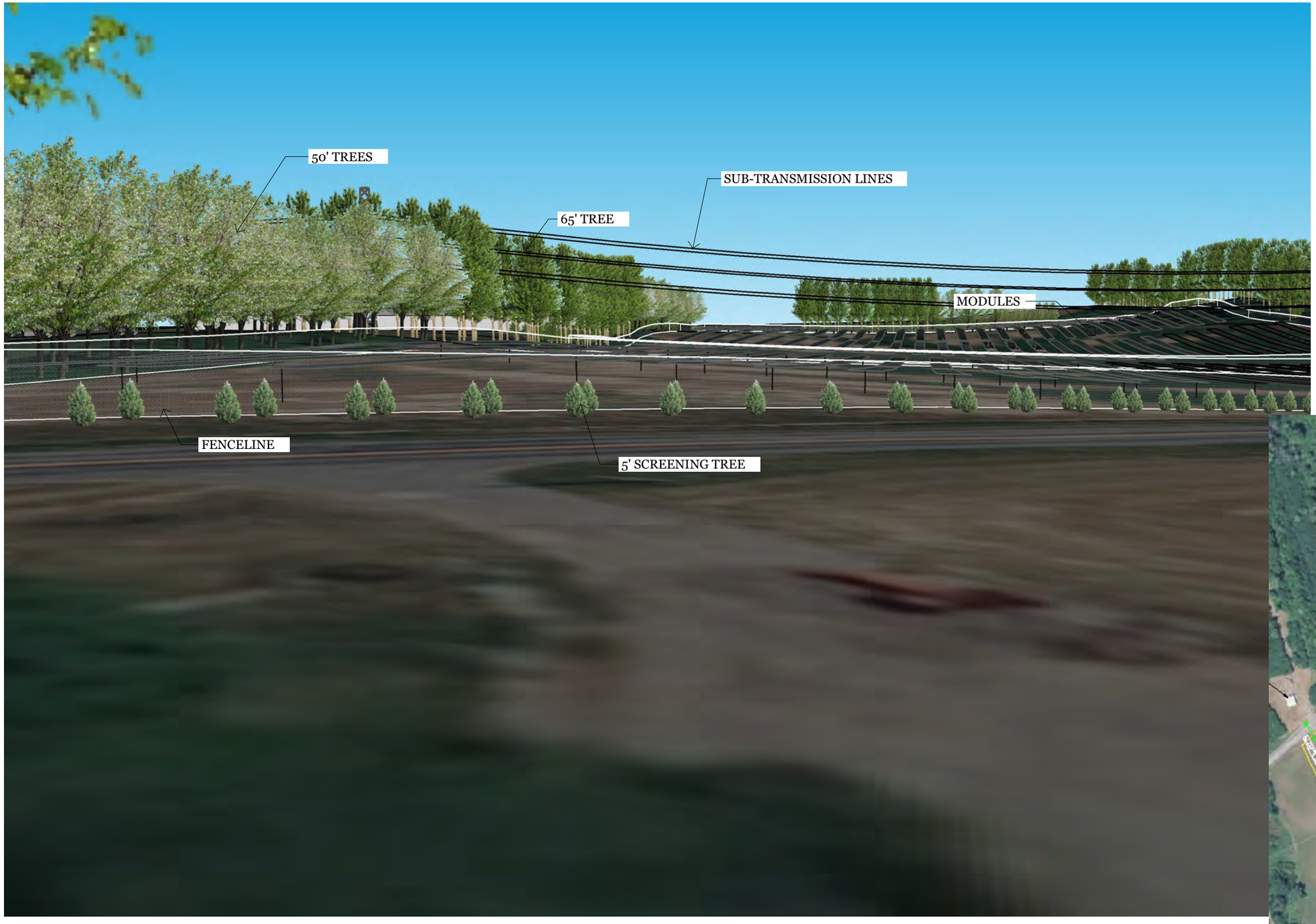


NEW ENERGY EQUITY
AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN

VIEW FROM BUILDING NW
Scale: NTS



VIEW FROM BUILDING NE

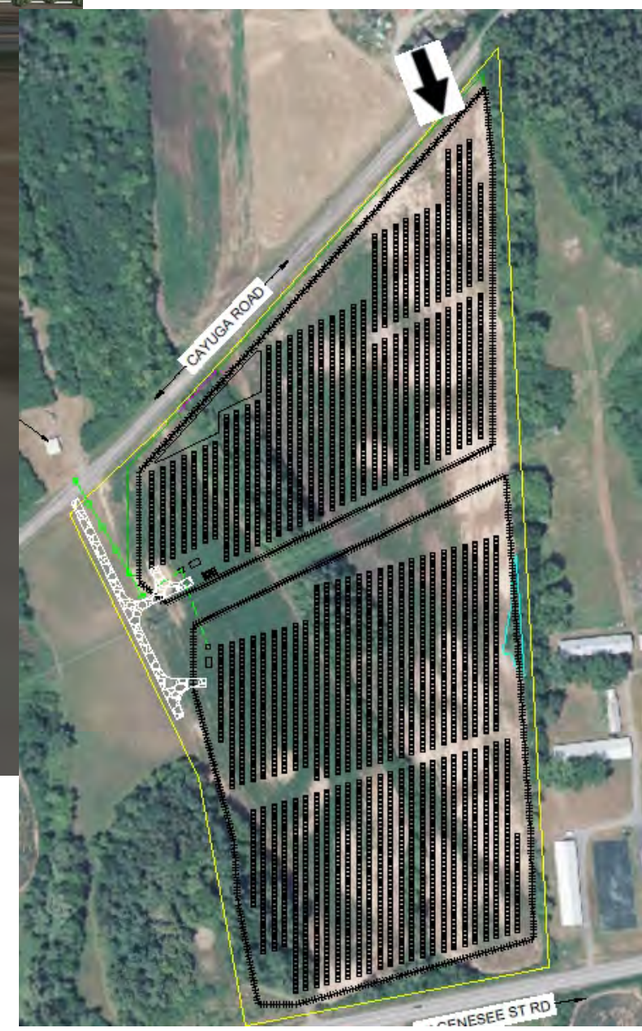
Scale: NTS

NEW ENERGY EQUITY

AN ALLETE COMPANY

NEW ENERGY EQUITY
2530 RIVA RD STE 200
ANNAPOLIS, MD 21401

PROJECT
WALOWSKY II
COMMUNITY SOLAR GARDEN



V9

EXHIBIT I.a.

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 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Cayuga CSG 2		
Project Location (describe, and attach a general location map): (42.9237, -76.7167) 6310 Cayuga Road, Cayuga, NY 13034 Tax Parcel No: 112.19-1-3.1		
Brief Description of Proposed Action (include purpose or need): The proposed project is a 3.66 MW AC solar array located on private land leased to the Applicant in the Village of Cayuga, Cayuga County on tax parcel number: 112.19-1-3.1 The siting and approval of this community distributed generation renewable energy project will help the community be part of the climate solution while supporting good-paying jobs and realizing key economic and social benefits as the project will render solar energy to the community and meet the State Energy Plan and Clean Energy Standard and mandate of 2019. The site access will be via a proposed porous gravel access drive off of Cayuga Road extending south within the northwestern edge and central portion of the proposed array footprint. Electrical connection will be made to the existing NYSEG overhead lines on the North side of Cayuga Road. The array has been sited to satisfy or exceed the Village of Cayuga Site Plan Review Law, and SEQR for Solar guidelines. The total facility as identified by NYSA&M including area inside the fence, buffers, access road and utility poles will occupy up to about 22 acres. Inside the fenceline will occupy a maximum of +/- 18 acres upon completion.		
Name of Applicant/Sponsor: Cayuga CSG 1 LLC	Telephone: 443-267-5012 E-Mail: Development@NewEnergyEquity.com	
Address: 2530 Riva Road, Suite 200		
City/PO: Annapolis	State: MD	Zip Code: 21401
Project Contact (if not same as sponsor; give name and title/role): New Energy Equity - Attn Torrey Clark	Telephone: 607-768-2716 E-Mail: TLClark@NewEnergyEquity.com	
Address: 203 Colonial Drive, Suite 104		
City/PO: Horseheads	State: NY	Zip Code: 14845
Property Owner (if not same as sponsor): Amy Walowsky & Dennis Walowsky Trustee	Telephone: 315-253-0920 E-Mail: N/A	
Address: 6120 Benham Road		
City/PO: Auburn	State: NY	Zip Code: 13021

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 Council, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Special use Permit. Zoning Code, Solar ordinance, Village of Cayuga Planning Board	March 2024
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	Referral - County Planning	March 2024
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	SWPPP - NYSDEC	
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

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?
Agricultural / Residential

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? _____

C.4. Existing community services.

a. In what school district is the project site located? Southern Cayuga CSD

b. What police or other public protection forces serve the project site?
NYS State Troopers and Cayuga County Sheriffs

c. Which fire protection and emergency medical services serve the project site?
Cayuga Fire Department

d. What parks serve the project site?
N/A

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)? To provide distributed electric generation solar energy to the community and local electric grid provider

b. a. Total acreage of the site of the proposed action? 22.24 +/- acres
b. Total acreage to be physically disturbed? 22.02 +/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 22.24 +/- 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: _____ 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 N/A

ii. Dimensions (in feet) of largest proposed structure: ~7 feet height; ~8 feet width; and ~360 feet length

iii. Approximate extent of building space to be heated or cooled: N/A 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? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☑ No

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): _____

_____

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:

_____

_____

_____

_____

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 _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. New sources of semi-impervious or impervious area would come from the access road apron and equipment pads.

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)?

Stormwater management and erosion and sediment controls will be installed prior to construction. These controls include a stabilized construction entrance and temporary compost filter socks. The solar panels are not expected to effect the stormwater runoff patterns of the Parent or adjoining properties.

- If to surface waters, identify receiving water bodies or wetlands: _____
- 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)

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

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

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 (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (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 _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ 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:

_____

vi. Are public/private transportation service(s) or facilities available within ½ 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:

- Monday - Friday: daylight hours anticipated
- Saturday: daylight hours anticipated
- Sunday: not anticipated
- Holidays: not anticipated

ii. During Operations:

- Monday - Friday: 24 hours
- Saturday: 24 hours
- Sunday: 24 hours
- Holidays: 24 hours

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:

General vehicle/equipment noise during construction. Construction hours will be Monday-Friday during daylight hours. There will be no noise disturbance during project operation.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

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):

Periodic treatments will be used, only as needed, to control overgrowth between the PV panels and in areas not easily accessible by other methods.

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: 2 tons per 30 days (unit of time)
- Operation : none tons per N/A (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: Wood pallets and wire spools will be shipped to their respective manufacturers for reuse. Cardboard, plastic, and metal strappings, extra wire and cable will be shipped to a recycling facility.
- Operation: N/A

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: See above
- Operation: N/A

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): _____

ii. If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.06		
• Forested	3.5	.3	- 3.03
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	22.02	17.78	- 4.24
• Agricultural (includes active orchards, field, greenhouse etc.)	0.00	0.00	0.00
• Surface water features (lakes, ponds, streams, rivers, etc.)	TBD	Same as Current	No Change
• Wetlands (freshwater or tidal)	TBD	Same as Current	No Change
• Non-vegetated (bare rock, earth or fill)	TBD	TBD	TBD
• Other Describe: Pervious, porous gravel surface (Gravel access for project)	0.00	0.6	+ 0.6

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? <5 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:

Cazenovia silt loam	37.7 %
Kendaia and Lyons soils	28.9 %
Cazenovia silt loam, rolling	19.8 %

d. What is the average depth to the water table on the project site? Average: ~11 feet

e. Drainage status of project site soils:
☑ Well Drained: 74 % of site
☑ Moderately Well Drained: 11 % of site
☑ Poorly Drained 15 % 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 _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

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: _____

m. Identify the predominant wildlife species that occupy or use the project site:
whitetail deer, wild turkey, eastern cottontail, squirrel, red-tailed hawk common in region, not known to have active habitat that would be impacted.

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): _____
ii. Source(s) of description or evaluation: _____
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

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? ☐ Yes ☑ No

If Yes:
i. Species and listing (endangered or threatened): _____

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? ☐ Yes ☑ No

If Yes:
i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☐ No
If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

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? ☐ Yes ☑ No
If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
i. If Yes: acreage(s) on project site? _____
ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name: _____
ii. Basis for designation: _____
iii. Designating agency and date: _____

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: _____

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): _____

ii. Basis for identification: _____

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

If Yes:

i. Identify resource: _____

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

iii. Distance between project and resource: _____ 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 Cayuga CSG 2 LLC Date 3/18/2024

Signature _____ Title C.O.O.

PRINT FORM

EXHIBIT I.b.

NYSDEC Solar Panel Stormwater and SWPPP Guidance

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233-3505
P: (518) 402-8111 | F: (518) 402-9029
www.dec.ny.gov

MEMORANDUM

TO: Regional Water Engineers

FROM: Robert Wither, Chief, South Permit Section

SUBJECT: Solar Panel Construction Stormwater Permitting/SWPPP Guidance

DATE: April 6, 2018

Issue

The Department is seeing an increase in the number of solar panel construction projects across New York State. This has resulted in an increase in the number of questions on Construction General Permit (CGP) and Stormwater Pollution Prevention Plan (SWPPP) requirements from design professionals because the current CGP (GP-0-15-002) does not include a specific reference to the SWPPP requirements for solar panel projects in Tables 1 and 2 of Appendix B. To address this issue, the Division of Water (DOW) has developed the following guidance on CGP/SWPPP requirements for the different types of solar panel projects.

Scenario 1

The DOW considers solar panel projects designed and constructed in accordance with the following criteria to be a "*Land clearing and grading for the purposes of creating vegetated open space (i.e. recreational parks, lawns, meadows, fields)*" type project as listed in Table 1, Appendix B of the CGP. Therefore, the SWPPP for this type of project will typically just need to address erosion and sediment controls.

1. Solar panels are constructed on post or rack systems and elevated off the ground surface,
2. The panels are spaced apart so that rain water can flow off the down gradient side of the panel and continue as sheet flow across the ground surface*,
3. For solar panels constructed on slopes, the individual rows of solar panels are generally installed along the contour so rain water sheet flows down slope*,
4. The ground surface below the panels consist of a well-established vegetative cover (see "Final Stabilization" definition in Appendix A of the CGP),
5. The project does not include the construction of any traditional impervious areas (i.e. buildings, substation pads, gravel access roads or parking areas, etc.),
6. Construction of the solar panels will not alter the hydrology from pre-to post development conditions (see Appendix A of the CGP, for definition of "Alter the hydrology…"). Note: The design professional shall perform the necessary site assessment/hydrology analysis to make this determination.

*Refer to Maryland's "Stormwater Design Guidance- Solar Panel Installations" attached for guidance on panel installation.
**See notes below for additional criteria.

Scenario 2

If the design and construction of the solar panels meets all the criteria above, except for item 6, the project will fall under the "*All other construction activities that include the construction or reconstruction of impervious area or alter the hydrology from pre-to post development conditions, and are not listed in Table 1*" project type as listed in Table 2, Appendix B of the CGP. Therefore, the SWPPP for this type of project must address post-construction stormwater practices designed in accordance with the sizing criteria in Chapter 4 of the NYS Stormwater Management Design Manual, dated January 2015 (Note: Chapter 10 for projects in NYC EOH Watershed). The Water Quality Volume (WQv)/Runoff Reduction Volume (RRv) sizing criteria can be addressed by designing and constructing the solar panels in accordance with the criteria in items 1 – 4 above, however, the quantity control sizing criteria (Cpv, Qp and Qf) from Chapter 4 (or 10) of the Design Manual must still be addressed, unless one of the waiver criteria from Chapter 4 can be applied. **See notes below for additional criteria.

**** Notes**

- Item 1: For solar panel projects where the panels are mounted directly to the ground (i.e. no space below panel to allow for infiltration of runoff), the SWPPP must address post-construction stormwater management controls designed in accordance with the sizing criteria in Chapter 4 of the NYS Stormwater Management Design Manual, dated January 2015 (Note: Chapter 10 for projects in NYC EOH Watershed).

- Item 5: For solar panel projects that include the construction of traditional impervious areas (i.e. buildings, substation pads, gravel access roads or parking areas, etc.), the SWPPP must address post-construction stormwater management controls for those areas of the project. This applies to both Scenario 1 and 2 above.

cc: Carol Lamb-Lafay, BWP
Dave Gasper, BWP

EXHIBIT I.c.

PROCESSING AN AGRICULTURAL DATA STATEMENT
(Pursuant to Section 305-a of the Agriculture and Markets Law)

- Any application requiring:

  Special use permit
  Site plan approval
  Use variance or
  Subdivision approval

  Which requires approval by:

  A Planning Board
  Zoning Board of Appeals
  Town Board or
  Village Board of Trustees

  Must submit an Agricultural Data Statement (ADS) if the proposed project occurs on property within an agricultural district containing a farm operation or on property with boundaries within 500 feet of a farm operation located within an agricultural district.

- Content of an Agricultural Data Statement requires:

  - Name and address of applicant,
  - Description of the proposed project and its location,
  - Name and address of any owner of land within the agricultural district, which land contains farm operations and is located within 500 feet of the boundaries of the property upon which the project is proposed
  - A tax map or other map showing the site of the proposed project relative to the location of the farm operations identified in the ADS.

- The Clerk of the appropriate governmental entity is required to mail a written notice containing a description of the proposed project and its location to owners of land as identified by the applicant in the ADS.

- The local reviewing board must evaluate and consider the ADS to determine the possible impacts of the proposed project may have on the functioning of farm operations within the subject agricultural district.

Procedural Considerations

- A map of the town's agricultural district(s) should be well displayed within the municipal office where land use applications are submitted. The map will benefit both the applicant and municipal review officer in determining the

location of the subject parcel. An Agricultural District map[1] can be obtained from either the County Planning Department or Clerk of the County Legislative Body.

- The local reviewing board should ascertain present and future farming conditions to ensure the proposed land use does not conflict with current or future farming activities. A farmer's knowledge of local agricultural conditions is fundamental for the local reviewing board's evaluation and determination of appropriate mitigation measures and whether the action proposed will conflict with farming practices.

- The County Agricultural and Farmland Protection Board may assist local reviewing boards in project evaluation. Members of the Board include the County Planning Directors, a County Cooperative Extension Agent and the Chair of the County Soil and Water Conservation District's Board of Directors.

- A copy of the completed ADS and action by the local reviewing board should be submitted to the County Agricultural and Farmland Protection Board for its records.

---

1 Tax map identification numbers of all parcels within a district are listed and are on file at either the County Real Property Tax Office or the County Clerk's Office.

AGRICULTURAL DATA STATEMENT

1. Name and address of applicant:

   Amy Walowsky & Dennis Walowsky Trustee

   6120 Benham Road

   Auburn, NY 13021

2. Location of the proposed action:

   6310 Cayuga Road, Cayuga, NY 13034

3. Description of the proposed action to include: (1) Size of parcel or acreage to be acquired and tax map identification number of tax parcel(s) involved; (2) The type of action proposed (e.g., single-family dwelling or subdivision, multi-family development, apartment complex, commercial or industrial facility, school, community or public service facility, airport, etc.) and (3) project density.
   [Please provide this information on the reverse side of this application and attach additional description as necessary.]

4. Name, address, telephone number and type of farm of owner(s) of land within the agricultural district which land contains farm operation(s) and upon which the project is proposed or which is located within 500 feet of the boundary of the property upon which the project is proposed:

   C. Name:_____
   Address & Telephone #:_____
   Type of farm:_____

   D. Name:_____
   Address & Telephone #:_____
   Type of farm:_____

5. Tax map or other map showing the site of the proposed project relative to the location of farm operations identified in the ADS.

NYS Town Law

§ 283-a. Coordination with agricultural districts program.

1. Policy of local governments. Local governments shall exercise their powers to enact local laws, ordinances, rules or regulations that apply to farm operations in an agricultural district in a manner which does not unreasonably restrict or regulate farm structures or farming practices in contravention of the purposes of article twenty-five-AA of the agriculture and markets law, unless such restrictions or regulations bear a direct relationship to the maintenance of public health or safety.

2. Agricultural data statement; submission, evaluation. Any application for a special use permit, site plan approval, use variance, or subdivision approval requiring municipal review and approval by the town board, planning board, or zoning board of appeals pursuant to this article, that would occur on property within an agricultural district containing a farm operation or on property with boundaries within five hundred feet of a farm operation located in an agricultural district, shall include an agricultural data statement. The town board, planning board, or zoning board of appeals shall evaluate and consider the agricultural data statement in its review of the possible impacts of the proposed project upon the functioning of farm operations within such agricultural district. The information required by an agricultural data statement may be included as part of any other application form required by local law, ordinance or regulation.

3. Agricultural data statement; notice provision. Upon the receipt of such application by the planning board, zoning board of appeals, or town board, the clerk of such board shall mail written notice of such application to the owners of land as identified by the applicant in the agricultural data statement. Such notice shall include a description of the proposed project and its location, and may be sent in conjunction with any other notice required by state or local law, ordinance, rule or regulation for the said project. The cost of mailing said notice shall be borne by the applicant.

4. Agricultural data statement; content. An agricultural data statement shall include the following information: the name and address of the applicant; a description of the proposed project and its location; the name and address of any owner of land within the agricultural district, which land contains farm operations and is located within five hundred feet of the boundary of the property upon which the project is proposed; and a tax map or other map showing the site of the proposed project relative to the location of farm operations identified in the agricultural data statement.

5. Notice to county planning board or agency or regional planning council. The clerk of the town board, planning board, or zoning board of appeals shall refer all applications requiring an agricultural data statement to the county planning board or agency or regional planning council as required by sections two hundred thirty- nine-m and two hundred thirty-nine-n of the general municipal law.

Agriculture and Markets Law
Article 25 AA – Agricultural Districts

305-a. Coordination of local planning and land use decision-making with the agricultural districts program

1. Policy of local governments.

   a. Local governments, when exercising their powers to enact and administer comprehensive plans and local laws, ordinances, rules or regulations, shall exercise these powers in such manner as may realize the policy and goals set forth in this article, and shall not unreasonably restrict or regulate farm operations within agricultural districts in contravention of the purposes of this article unless it can be shown that the public health or safety is threatened.

   b. The commissioner, upon his or her own initiative or upon the receipt of a complaint from a person within an agricultural district, may bring an action to enforce the provisions of this subdivision.

2. Agricultural data statement; submission, evaluation. Any application for a special use permit, site plan approval, use variance, or subdivision approval requiring municipal review and approval by a planning board, zoning board of appeals, town board, or village board of trustees pursuant to article sixteen of the town law or article seven of the village law, that would occur on property within an agricultural district containing a farm operation or on property with boundaries within five hundred feet of a farm operation located in an agricultural district, shall include an agricultural data statement. The planning board, zoning board of appeals, town board, or village board of trustees shall evaluate and consider the agricultural data statement in its review of the possible impacts of the proposed project upon the functioning of farm operations within such agricultural district. The information required by an agricultural data statement may be included as part of any other application form required by local law, ordinance or regulation.

3. Agricultural data statement; notice provision. Upon the receipt of such application by the planning board, zoning board of appeals, town board or village board of trustees, the clerk of such board shall mail written notice of such application to the owners of land as identified by the applicant in the agricultural data statement. Such notice shall include a description of the proposed project and its location, and may be sent in conjunction with any other notice required by state or local law, ordinance, rule or regulation for the said project. The cost of mailing said notice shall be borne by the applicant.

4. Agricultural data statement; content. An agricultural data statement shall include the following information: the name and address of the applicant; a description of the proposed project and its location; the name and address of any owner of land within the agricultural district, which land contains farm operations and is located within five hundred feet of the boundary of the property upon which the project is proposed; and a tax map or other map showing the site of the proposed project relative to the location of farm operations identified in the agricultural data statement.

TOWN VILLAGE CITY OF Cayuga Application #_____
(circle one)

Agricultural Data Statement

Date 3/11/2024

Instructions: This form must be completed for any application for a special use permit, site plan approval, use variance or a subdivision approval requiring municipal review that would occur on property within 500 feet of a farm operation located in a NYS Dept. of Ag & Markets certified Agricultural District.

Applicant	Owner if Different from Applicant
Name: Cayuga CSG 2, LLC Address: C/O New Energy Equity Inc. 2530 Riva Rd, Suite 200 Annapolis, MD 21401	Name: Amy Walowsky & Dennis Walowsky Trustee Address: 6120 Benham Road Auburn, NY 13021

1. Type of Application: ☒ Special Use Permit; ☐ Site Plan Approval ; ☐ Use Variance; ☐ Subdivision Approval
   (circle one or more)

2. Description of proposed project: A 3.66 MW AC solar array located on private land. The project will render solar energy to the community and meet the State Energy Plan and Clean Energy Standard mandate of 2019. The array has been sited to satisfy or exceed the Village of Cayuga Site Plan Review Law and SEQR for Solar Guidelines.

3. Location of project: Address: 6310 Cayuga Road, Cayuga, NY 13034
   Tax Map Number (TMP) 112.19-1-3.1

4. Is this parcel within an Agricultural District? ☒ NO ☐ YES (Check with your local assessor if you do not know)
5. If YES, Agricultural District Number_____
6. Is this parcel actively farmed? ☒ NO ☐ YES
7. List all farm operations within 500 feet of your parcel. Attach additional sheets if necessary.

Name: _____ Address: _____ Is this parcel actively farmed? ☐ NO ☐ YES	Name: _____ Address: _____ Is this parcel actively farmed? ☐ NO ☐ YES
Name: _____ Address: _____ Is this parcel actively farmed? ☐ NO ☐ YES	Name: _____ Address: _____ Is this parcel actively farmed? ☐ NO ☐ YES

_____ _____
Signature of Applicant Signature of Owner (if other than applicant)

Reviewed by: _____ _____
Signature of Municipal Official Date

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

EXHIBIT I.d.

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS

Guidelines for Solar Energy Projects - Construction Mitigation for Agricultural Lands (Revision 10/18/2019)

The following are guidelines for mitigating construction impacts on agricultural land during the following stages of a solar energy project: Construction, Post-Construction Restoration, Monitoring and Remediation, and Decommissioning. These guidelines apply to project areas subject to ground disturbance[1] within agricultural lands including:

- Lands where agriculture use will continue or resume following the completion of construction (typically those lands outside of the developed project's security fence);
- Lands where the proposed solar development will be returning to agricultural use upon decommissioning, (typically those lands inside of the developed project's security fence);
- Applicable Area under review pursuant to Public Service Law Article 10 Siting of Major Electric Facilities.

The Project Company will incorporate these Guidelines into the development plans and applications for permitting and approval for solar projects that impact agricultural lands. If the Environmental Monitor, hereafter referred to as EM, determines that there is any conflict between these Guidelines and the requirements for project construction that arise out of the project permitting process, the Project Company and its EM, will notify the New York State Department of Agriculture and Markets (NYSDAM), Division of Land and Water Resources, and seek a reasonable alternative.

Environmental Monitor (EM)

The Project Company (or its contractor) shall hire or designate an EM to oversee the construction, restoration and follow-up monitoring in agricultural areas. The EM shall be an individual with a confident understanding of normal agriculture practices[2] (such as cultivation, crop rotation, nutrient management, drainage (subsurface and/or surface), chemical application, agricultural equipment operation, fencing, soils, plant identification, etc.) and able to identify how the project may affect the site and the applicable agricultural practices. The EM should also have experience with or understanding of the use of a soil penetrometer for compaction testing and record keeping. The EM may serve dual inspection roles associated with other Project permits and/or construction duties, if the agricultural workload allows. The EM should be available to provide site-specific agricultural information as necessary for project development through field review and direct contact with both the affected farm operators and NYSDAM. The EM should maintain regular contact with appropriate onsite project construction supervision and inspectors throughout the construction phase. The EM should maintain regular contact with the affected farm operator(s) concerning agricultural land impacted, management matters pertinent to the agricultural operations and the site-specific implementation of agricultural resource mitigation measures. The EM will serve as the agricultural point of contact.

[1]Ground Disturbance is defined as an activity that contributes to measurable soil compaction, alters the soil profile or removes vegetative cover. Construction activities that utilize low ground pressure vehicles that do not result in a visible rut that alters soil compaction, is not considered a Ground Disturbance. Soil compaction should be tested using an appropriate soil penetrometer or other soil compaction measuring device. The soil compaction test results within the affected area will be compared with those of the adjacent unaffected portion of the agricultural area.

[2] An EM is not expected to have knowledge regarding all of the listed agricultural practices, but rather a general understanding such that the EM is able to perform the EM function.

1. For projects involving less than 50 acres of agricultural land within the limits of disturbance (LOD),[3] the EM shall be available for consultation and/or on-site whenever construction or restoration work that causes Ground Disturbance is occurring on agricultural land.

2. For projects involving 50 acres or more of agricultural land within the (LOD) (including projects involving the same parent company whether phased or contiguous projects), the EM shall be on site whenever construction or restoration work requiring or involving Ground Disturbance is occurring on agricultural land and shall notify NYSDAM of Project activity. The purpose of the agency coordination would be to assure that the mitigation measures of these guidelines are being met to the fullest extent practicable. The Project Company and the NYSDAM will agree to schedule inspections in a manner that avoids delay in the work. NYSDAM requires the opportunity to review and will approve the proposed EM based on qualifications or capacities.

Construction Requirements

- Before any topsoil is stripped, representative soil samples should be obtained from the areas to be disturbed. The soil sampling should be consistent with Cornell University's soil testing guidelines, and samples should be submitted to a laboratory for testing PH, percent organic material, cation exchange capacity, Phosphorus/Phosphate (P), and Potassium/Potash (K). The results are to establish a benchmark that the soil's PH, Nitrogen (N), Phosphorus/Phosphate (P), and Potassium/Potash (K) are to be measured against upon restoration. If soil sampling is not performed, fertilizer and lime application recommendations for disturbed areas can be found at https://www.agriculture.ny.gov/ap/agservices/Fertilizer_Lime_and_Seeding_Recommendations.pdf .

- Stripped topsoil should be stockpiled from work areas (e.g. parking areas, electric conductor trenches, along access roads, equipment pads) and kept separate from other excavated material (rock and/or sub-soil) until the completion of the facility for final restoration. For proper topsoil segregation, at least 25 feet of additional temporary workspace (ATWS) may be needed along "open-cut" underground utility trenches. All topsoil will be stockpiled as close as is reasonably practical to the area where stripped/removed and shall be used for restoration on that particular area. Any topsoil removed from permanently converted agricultural areas (e.g. permanent roads, etc.) should be temporarily stockpiled and eventually spread evenly in adjacent agricultural areas within the project Limits of Disturbance (LOD) ; however not to significantly alter the hydrology of the area. Clearly designate topsoil stockpile areas and topsoil disposal areas in the field and on construction drawings; changes or additions to the designated stockpile areas may be needed based on field conditions in consultation with the EM. Sufficient LOD (as designated on the site plan or by the EM) area should be allotted to allow adequate access to the stockpile for topsoil replacement during restoration.

    - Topsoil stockpiles on agricultural areas left in place prior to October 31st should he seeded with Aroostook Winter Rye or equivalent at an application rate of three bushels (168 lbs.) per acre and mulched with straw mulch at rate of two to three bales per 1000 Sq. Ft.

    - Topsoil stockpiles left in place between October 31st and May 31st should be mulched with straw at a rate of two to three bales per 1000 Sq. Ft. to prevent soil loss.

- The surface of access roads located outside of the generation facility's security fence and constructed through agricultural fields shall be level with the adjacent field surface. If a level road design is not

[3] The Limits of Disturbance (LOD) includes all project related ground disturbances and all areas within the project's security fencing.

feasible, all access roads should be constructed to allow a farm crossing (for specific equipment and livestock) and to restore/ maintain original surface drainage patterns.

- Install culverts and/or waterbars to maintain or improve site specific natural drainage patterns.

- Do not allow vehicles or equipment outside the planned LOD without the EM seeking prior approval from the landowner (and/or agricultural producer), and associated permit amendments as necessary. Limit all vehicle and equipment traffic, parking, and material storage to the access road and/or designated work areas, such as laydown areas, with exception the use of low ground pressure equipment.[4] Where repeated temporary access is necessary across portions of agricultural areas outside of the security fence, preparation for such access should consist of either stripping / stockpiling all topsoil linearly along the access road, or the use of timber matting.

- Proposed permanent access should be established as soon as possible by removing topsoil according to the depth of topsoil as directed by the EM. Any extra topsoil removed from permanently converted areas (e.g. permanent roads, equipment pads, etc.) should be temporarily stockpiled and eventually spread evenly in adjacent agricultural areas within the project Limits of Disturbance (LOD); however not to significantly alter the hydrology of the area.

- When open-cut trenching is proposed, topsoil stripping is required from the work area adjacent to the trench (including segregated stockpile areas and equipment access). Trencher or road saw like equipment are not allowed for trench excavation in agricultural areas, as the equipment does not segregate topsoil from subsoil. Horizontal Directional Drilling (HDD) or equivalent installation that does not disrupt the soil profile, may limit agricultural ground disturbances. Any HDD drilling fluid inadvertently discharged must be removed from agricultural areas. Narrow open trenches less than 25 feet long involving a single directly buried conductor or conduit (as required) to connect short rows within the array, are exempt from topsoil segregation.

- Electric collection, communication and transmission lines installed above ground can create long term interference with mechanized farming on agricultural land. Thus, interconnect conductors outside of the security fence must be buried in agricultural fields wherever practicable. Where overhead utility lines are required, (including Point(s) of Interconnection) installation must be located outside field boundaries or along permanent access road(s) wherever possible. When overhead utilities must cross farmland, minimize agricultural impacts by using taller structures that provide longer spanning distances and locate poles on field edges to the greatest extent practicable.

- All buried utilities located **within** the generation facility's security fence must have a minimum depth of 18-inches of cover if buried in a conduit and a minimum depth of twenty-four inches of cover if directly buried (e.g. not routed in conduit).[5]

- The following requirements apply to all buried utilities located **outside** of the generation facility security fence:

    - In cropland, hayland, and improved pasture buried electric conductors must have a minimum depth of 48-inches of cover. In areas where the depth of soil over bedrock is less than 48-inches, the

[4] low ground pressure vehicles that do not result in a visible rut that alters soil compaction.
[5] Burial of electrical conductors located within the energy generation facility may be superseded by more stringent updated electrical code or applicable governing code.

electric conductors must be buried below the surface of the bedrock if friable/rippable, or as near as possible to the surface of the bedrock.

- In unimproved grazing areas or on land permanently devoted to pasture the minimum depth of cover must be 36-inches.

- Where electrical conductors are buried directly below the generation facility's access road or immediately adjacent (at road edge) to the access road, the minimum depth of cover must be 24-inches. Conductors must be close enough to the road edge as to be not subject to agricultural cultivation / sub-soiling.

- When buried utilities alter the natural stratification of soil horizons and natural soil drainage patterns, rectify the effects with measures such as subsurface intercept drain lines. Consult the local Soil and Water Conservation District concerning the type of intercept drain lines to install to prevent surface seeps and the seasonally prolonged saturation of the conductor installation zone and adjacent areas. Install and/or repair all drain lines according to Natural Resources Conservation Service conservation practice standards and specifications. Drain tile must meet or exceed the AASHTO M-252 specifications. Repair of subsurface drains tiles should be consistent with the NYSDAM's details for *"Repair of Severed Tile Line"* found in the pipeline drawing A-5 (http://www.agriculture.ny.gov/ap/agservices/Pipeline-Drawings.pdf).

- In pasture areas, it may be necessary to construct temporary fencing (in addition to the Project's permanent security fences) around work areas to prevent livestock access to active construction areas and areas undergoing restoration. For areas returning to pasture, temporary fencing will be required to delay the pasturing of livestock within the restored portion of the LOD until pasture areas are appropriately revegetated. Temporary fencing including the project's required temporary access for the associated fence installations should be included within the LOD as well as noted on the construction drawings. The Project Company will be responsible for maintaining the temporary fencing until the EM determines that the vegetation in the restored area is established and able to accommodate grazing. At such time, the Project Company should be responsible for removal of the temporary fences.

Post-Construction restoration requirements applicable to continued use agricultural areas that suffered ground disturbance due to construction activities (typically lands outside of the developed project's security fence).

- All construction debris in active agriculture areas including pieces of wire, bolts, and other unused metal objects will need to be removed and properly disposed of as soon as practical to prevent mixing with any topsoil.

- Excess concrete will not be buried or left on the surface in active agricultural areas. Concrete trucks will be washed outside of active agricultural areas. Remove all excess subsoil and rock unearthed from construction related activities occurring in areas intended to return to agricultural use. On-site disposal of such material is not permissible in active agricultural lands. Designated spoil disposal locations should be specified in the associated construction plans. If landowner agreements, LOD boundary, or Project's land use approvals do not allow for on-site disposal, material must be removed from the site.[6]

[6] Any permits necessary for disposal under local, State and/or federal laws and regulations must be obtained by the facility operator, with the cooperation of the landowner when required.

- Excess stripped topsoil shall not be utilized for fill within the project area. Any extra topsoil removed from permanently impacted areas (e.g. roads, equipment pads, etc.) should be evenly spread in adjacent agricultural project areas, however not to significantly alter the hydrology of the area.

- Regrade all access roads outside of the security fencing (as determined necessary by the EM), to allow for farm equipment crossing and restore original surface drainage patterns, or other drainage pattern incorporated into the design.

- Repair all surface or subsurface drainage structures damaged during construction as close to preconstruction conditions as possible, unless said structures are to be removed as part of the project design. Correct any surface or subsurface drainage problems resulting from construction of the solar energy project with the appropriate mitigation as determined by the Environmental Monitor, Soil and Water Conservation District and the Landowner.

- On agricultural land needing restoration because of ground disturbance, postpone any restoration practices until favorable (workable, relatively dry) topsoil/subsoil conditions exist. Restoration must not be conducted while soils are in a wet or plastic state of consistency. Stockpiled topsoil must not be regraded, and subsoil must not be decompacted until plasticity, as determined by the Atterberg field test, is adequately reduced. No permanent project restoration activities shall occur in agricultural areas between the months of October through May unless favorable soil moisture conditions exist.

- In all continued use agricultural land where the topsoil was stripped, subsoil decompaction shall be conducted prior to topsoil replacement. Following construction, all such areas will be decompacted to a depth of 18 inches with a tractor mounted deep ripper or heavy-duty chisel plow. Soil compaction results shall be no more than 250 pounds per square inch (PSI) throughout the decompacted 18 inches as measured with a soil penetrometer. Following decompaction, all rocks 4 inches and larger in size unearthed from decompaction will be removed from the surface of the subsoil prior to replacement of the topsoil. The topsoil will be replaced to original depth and the original contours will be reestablished where possible. All rocks 4 inches and larger from topsoil shall be removed from the surface of the topsoil. Subsoil decompaction and topsoil replacement must be avoided after October 1, unless approved on a site-specific basis by the landowner in consultation with NYSDAM. All parties involved must be cognizant that areas restored after October 1st may not obtain sufficient growth for stabilization[7] to prevent erosion over the winter months. If areas are to be restored after October 1st, necessary provisions must be made to prevent potential springtime erosion, as well as restore any eroded areas in the springtime, to establish proper growth. Excess stripped topsoil shall be evenly spread in the adjacent project areas, or adjacent agricultural areas (within the LOD), however, not to significantly alter the hydrology of the area.

- In all continued use agricultural areas where the topsoil was not stripped, including timber matted areas, the EM shall determine appropriate activities to return the area to agricultural use. These activities may include decompaction, rock removal, and revegetation. Soil compaction should be tested in the affected areas and the affected area's adjacent undisturbed areas using an appropriate soil penetrometer or other soil compaction measuring device as soon as soils achieve moisture equilibrium with adjacent unaffected areas. Compaction tests will be made at regular intervals of distance throughout the affected areas, including each soil type identified within the affected areas. Soil compaction results shall be measured with a soil penetrometer not exceeding more than 250 pounds per square inch (PSI), by

[7] Sufficient growth for stabilization should be determined by comparison with unaffected crop production. Annual crops restored after normal planting window (as determined by the landowner or associated producer) should be stabilized with Aroostook Winter Rye at the rate of 150/100 lbs. per acre (broad cast/drill seeder).

comparing probing depths of both the affected and unaffected areas. Where representative soil density of the affected area's collective depth measurements present compaction restrictions exceeding an acceptable deviation of no more than 20% from the adjacent undisturbed area's mean soil density, additional decompaction may be required to a depth of 18-inches with a tractor mounted deep ripper or heavy-duty chisel plow. Following decompaction, remove all rocks unearthed from decompaction activities 4 inches and larger in size from the surface. Revegetation shall be performed in accordance with the instructions below.

- Seed all agricultural areas from which the vegetation was removed or destroyed with the seed mix specified by the landowner/agriculture producer or as otherwise recommended in the Department's fertilizer, lime and seeding guideline: [https://www.agriculture.ny.gov/ap/agservices/Fertilizer_Lime_and_Seeding_Recommendations.pdf]. Soil amendments should be applied as necessary so that restored agricultural areas' soil properties, at minimum, reasonably reflect the pre-construction soil test results or as otherwise agreed to by the involved parties to ensure continued agricultural use. All parties must be cognizant that areas restored after October 1st may not obtain sufficient growth to prevent erosion over the winter months. If areas are to be restored after October 1st, necessary provisions must be made to restore and/or re-seed any eroded or poorly germinated areas in the springtime, to establish proper growth.

Monitoring and Remediation

Project Companies shall provide a monitoring and remediation period of one complete growing season following the date upon which the desired crop is planted. All projects subject to NYS Public Service Law Article 10 will provide a monitoring period of two complete growing seasons following the date upon which the project achieves the establishment of the desired crop.

On site monitoring shall be conducted seasonally at least three times during the growing season (Spring, Summer, Fall). Monitoring is required to identify any remaining impacts directly associated with the construction of the project on agricultural lands proposed to remain or resume agriculture production, including the effects of climatic cycles such as frost action, precipitation and growing seasons to occur, from which various monitoring observations can be made. NYSDAM expects the Project Company (or its contractor) to retain the EM for follow-up monitoring and remediation (as needed) in agricultural areas. Monitoring is limited to the restored agricultural area. Non-project related impacts affecting the restored project area will be discussed with NYSDAM staff and considered for omission from future monitoring and remediation. The EM is expected to record the following observations from onsite inspections:[8]

- **Topsoil Thickness and Trench Settling** – The EM observations may require small hand dug holes to observe the percentage of settled topsoil in areas where the topsoil was stripped, or trenching was performed without stripping topsoil. Observations concerning depth of topsoil deficiencies shall require further remediation by re-appropriating additional topsoil. Acceptable materials for remediation are: known areas of native excess topsoil (according to records of project specific excess topsoil disposal spread within the original LOD) or imported topsoil free of invasive species that is consistent with the quality of topsoil on the affected site.

[8] The activities that follow are not necessary for restored agricultural lands on which the farmer or landowner has commenced activities, including agricultural activities or other use that tend to reverse restoration or create conditions that would otherwise trigger restoration. Should NYSDAM contend upon inspection that conditions indicate that post-construction restoration activities were improperly performed or insufficient, NYSDAM may inform the project company and NYSERDA for further investigation and remediation.

- **Excessive Rock (>4-inches)** - Determined by a visual inspection of disturbed areas as compared to unaffected portions of the same field located outside the construction area. Observations concerning excess stone material in comparison to off-site conditions shall require further remediation including removal and disposal of all excess rocks and large stones.

- **Soil Compaction** - Project affected agricultural soils should be tested using an appropriate soil penetrometer or other soil compaction measuring device. Compaction tests will be made at regular intervals of distance throughout the access or work areas, including each soil type identified on the affected agricultural areas. Where representative soil density of the affected area exceeds the representative soil density of the unaffected areas, additional decompaction may be required. Consultation with NYSDAM staff and the agricultural producer(s) should be conducted prior to scheduling additional decompaction. If warranted, decompaction to a depth of 18-inches with a tractor mounted deep ripper or heavy-duty chisel plow. Restoration of displaced topsoil to original depth and re-establish original contours where possible. Decompaction deep shattering will be applied during periods of relatively low soil moisture to ensure the desired mitigation and to prevent additional soil compaction. Oversized stone/rock (Four-inches) material that is uplifted/unearthed to the surface as a result of the deep shattering will be removed.

- **Drainage** – The EM shall visually inspect the restored agricultural areas in search of pervasive stunted crop growth due to seasonal saturation, not previously experienced at the site and not resulting from the agricultural producer's irrigation management or due to excessive rainfall. Identified areas of stunted crop growth shall be compared to the nearest undisturbed adjacent areas under a substantially equivalent terrain and crop management plan. Drainage observations should be evaluated to determine if the project affected surface or sub-surface drainage during construction or restoration. Project caused drainage issues affecting or likely to reduce crop productivity of the adjacent areas will have to be remediated via a positive surface drainage, sub-surface drainage repair or an equivalent.

- **Agriculture Fencing and Gates** – The EM shall inspect Project associated fencing and gates (installed, altered or repaired) within the Project's LOD associated with agricultural activities for function and longevity. The Project Company is responsible during the Monitoring and Remediation Phase for maintaining the integrity of Project associated fencing and gates.

The Project Company (or its contractor) shall consolidate each applicable growing season's observations into an annual report during the monitoring period and shall be provided upon request to NYSDAM. Annual reports should include date stamped photographs illustrating crop growth in comparison with unaffected portions the agricultural areas.

The EM shall record observations of the establishment of the desired crop and subsequent crop productivity within restored agricultural areas and shall be evaluated by comparing its productivity to that of the nearest adjacent undisturbed agricultural land of similar crop type within the same field. If a decline in crop productivity is apparent the Project Company as well as other appropriate parties must determine whether the decline is due to project activities. If project activities are determined to be the primary detrimental factor, the project EM will notify NYSDAM concerning unsuccessful restoration and to potentially schedule a NYSDAM staff field visit. If project restoration is determined to be insufficient, the Project Company will develop a plan for appropriate rehabilitation measures to be implemented. NYSDAM staff will review and approve said plan prior to implementation. Additional monitoring may be required depending on additional restoration activities needed.

The Project Company is not responsible for site conditions and/or potential damages attributable to the agricultural producer's land use management or others' land use management.

Decommissioning

If the operation of the generation facility is permanently discontinued, remove all above ground structures (including panels, racking, signage, equipment pad, security fencing) and underground utilities if less than 48-inches deep. All concrete piers, footers, or other supports must be removed to a minimum depth of 48-inches below the soil surface. The following requirements apply to electric conductors located at the respective range of depth below the surface:

- 48-inches plus: All underground electric conduits and direct buried conductors may be abandoned in place. Applicable conduit risers must be removed, and abandoned conduit must be sealed or capped to avoid a potential to direct subsurface drainage onto neighboring land uses.

- Less than 48-inches: All underground direct buried electric conductors and conductors in conduit and associated conduit with less than 48-inches of cover must be removed, by means of causing the least amount of disturbance as possible.

Access roads in agricultural areas must be removed, unless otherwise specified by the landowner. If access is to be removed, topsoil will have to be returned from recorded project excess native topsoil disposal areas, if present, or imported topsoil free of invasive species that is consistent with the quality of topsoil on the affected site. Restore all areas intended for agricultural production, according to recommendations by the current landowner or leasing agricultural producer, and as required by any applicable permit, the Soil and Water Conservation District, and NYSDAM.

Monitoring and restoration requirements in accordance to the prior sections of these guidelines, will be required for the decommissioning restoration. NYSDAM requires notice before the Project Company undertakes decommissioning.

_____ (Project Company) hereby agrees to use best efforts to adopt and employ the provisions of the NYSDAM Guidelines for Agricultural Mitigation for Solar Energy Projects in all material aspects of the construction, post construction and decommissioning of this project. Where Project Company determines that it cannot perform an activity in a manner that meets the material terms of any provision of the Guidelines, the Project Company or its Environmental Monitor will notify NYSDAM and make good faith efforts to devise an alternative solution that will mitigate adverse agricultural impacts.

_____ _____

Signature Date

12/15/2023: Applicant submitting with land use permit request and intends to adhere to the above guidelines. This document will be signed and submitted to NYAGM, later during the Ag- NOI process prior to construction

EXHIBIT J.a.

Parcel ID: 112.19-1-3.1
Lat, Lon: 42.922438, -76.715474

Address: Cayuga Tpke
City: V Cayuga
Zipcode: 13034
Municipal: Aurelius

Owner: Walowsky, Trustee, Dennis Owner 2: Amy Walowsky, Trustee

Deeded Acreage: 22.24 acres

Environmental Layers

	Total Buildable Acreage	21.67 acres	97.38%
	Max Continuous Buildable Acreage	21.67 acres	97.38%
	Buildable Acreage Criteria Greenfield, slope < 15°, forestry < 30%, wetland not buildable, floodplain not buildable, building not buildable, dec wetland not buildable, prime farmland not buildable, railroad setback buffer: 0 ft, transmission line setback buffer: 0 ft, site boundary setback buffer: 0 ft		
	Buildings	0.00 acres	0.00%
	Wetland	0.00 acres	0.00%
	Floodplain	0.00 acres	0.00%
	Slope (7° - 10°)	4.22 acres	18.96%
	Slope (10° - 15°)	2.16 acres	9.72%
	Slope (15° - 20°)	0.30 acres	1.34%
	Slope (20° - 25°)	0.14 acres	0.64%
	Slope (>25°)	0.14 acres	0.62%
	Forestries (>30%)	0.04 acres	0.19%
	DEC Wetland	0.00 acres	0.00%
	Prime Farmland	0.00 acres	0.00%

EXHIBIT J.b.

Municipality of Village of Cayuga

SWIS:	052001	Tax ID:	112.19-1-3.1

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	Cayuga Tpke		
Property Class:	105 - Vac farmland	Site Property Class:	105 - Vac farmland
Ownership Code:			
Site:	Res 1	In Ag. District:	No
Zonning Code:	AR -	Bldg. Style:	0
Neighborhood:	02010 - TOV-No Wat/Swr	School District:	Union Springs
Property Description:	Annexed Into The Village 1995,Sm 95-129,L#1,sm95-241 Form. 112.00-1-18 In Town		
Total Acreage/Size:	22.93	Equalization Rate:	----
Land Assessment:	2023 - $92,400	Total Assessment:	2023 - $92,400
Full Market Value:	2023 - $102,667		
Deed Book:	1455	Deed Page:	87
Grid East:	784779	Grid North:	1065051

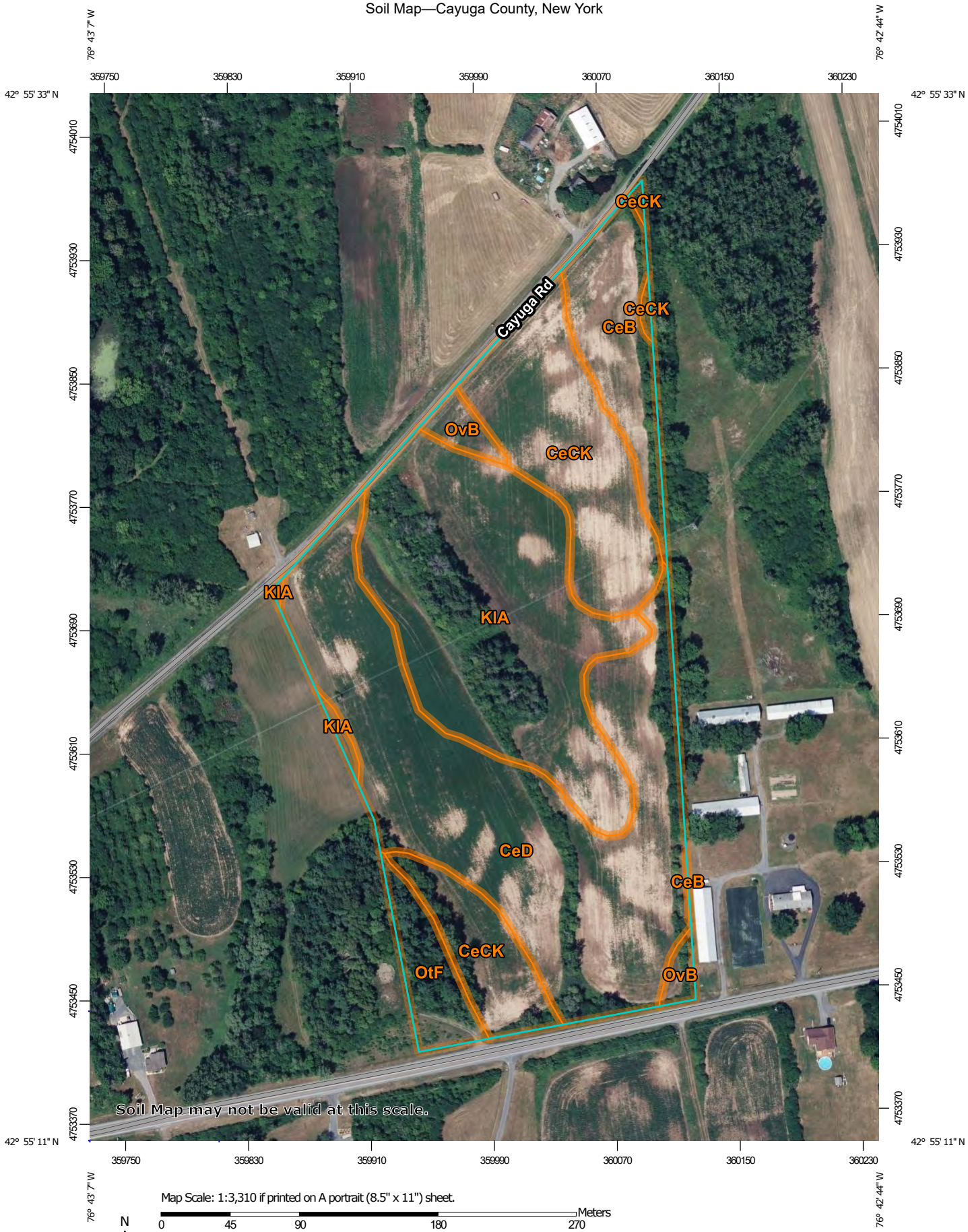
Special Districts for 2023

Description	Units	Percent	Type	Value
ECR01-EAST CAYUGA RES WHOL	0	0%		0
SD209-SEWER DEBT CC	0.5	0%		0
WD209-WATER DEBT CC	0.5	0%		0

Land Types

Type	Size
Tillable	18.00 acres
Woodland	2.93 acres
Wasteland	2.00 acres

EXHIBIT J.c.



Map Scale: 1:3,310 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 45 90 180 270

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Cayuga County, New York
Survey Area Data: Version 20, Sep 5, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 1, 2020—Oct 1, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CeB	Cazenovia silt loam, 2 to 8 percent slopes	1.8	7.7%
CeCK	Cazenovia silt loam, rolling	4.6	19.8%
CeD	Cazenovia silt loam, 12 to 20 percent slopes	8.8	37.7%
KlA	Kendaia and Lyons soils, 0 to 3 percent slopes	6.8	28.9%
OtF	Ontario, Honeoye, and Lansing soils, 35 to 50 percent slopes	0.9	3.9%
OvB	Ovid silt loam, 2 to 6 percent slopes	0.5	2.1%
Totals for Area of Interest		**23.4**	**100.0%**

EXHIBIT J.d.

MSG 1-4 Soils

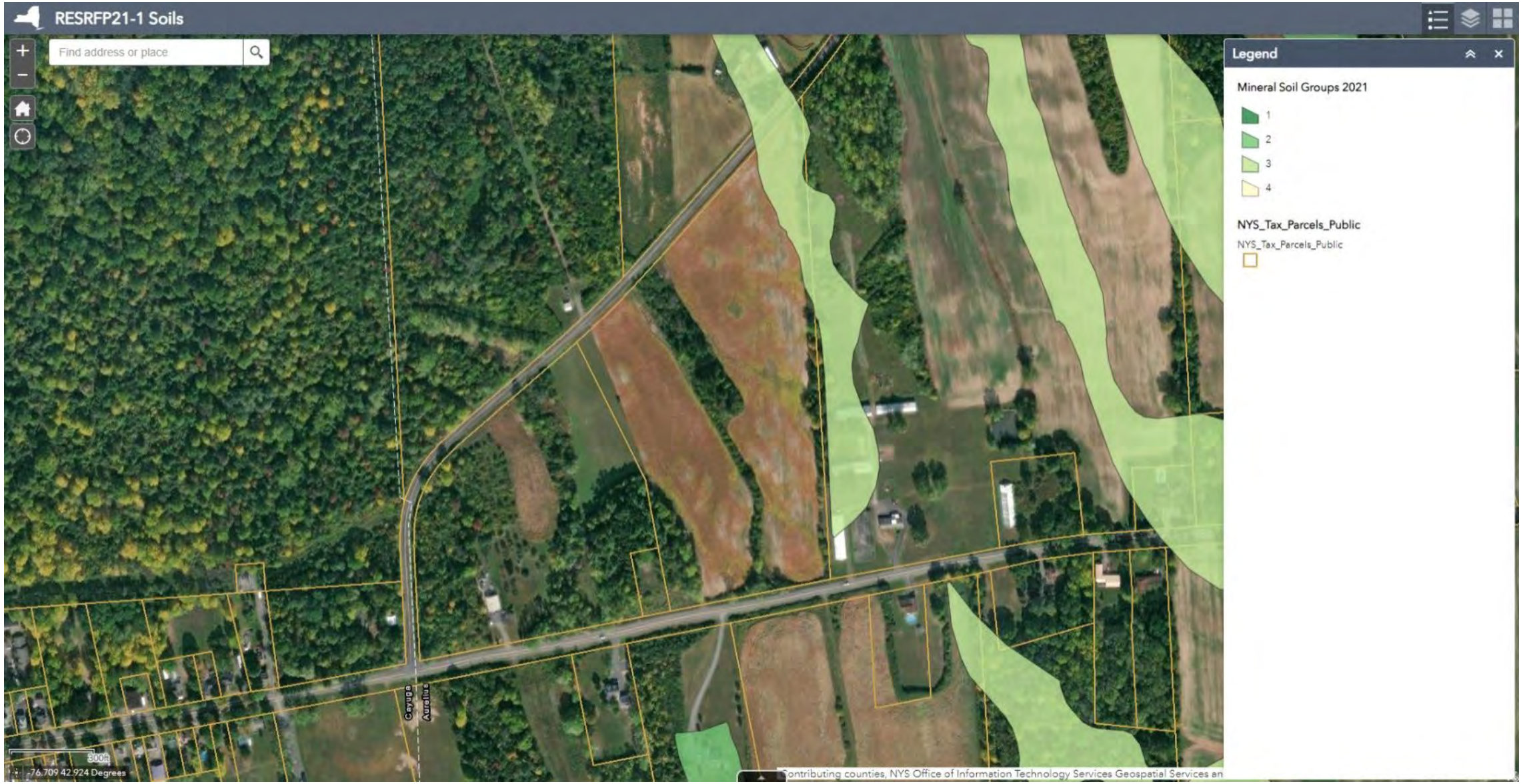

RESRFP21-1 Soils
Find address or place
Legend
Mineral Soil Groups 2021
1
2
3
4
NYS_Tax_Parcels_Public
NYS_Tax_Parcels_Public
Cayuga
Aurelius
300ft
-76.709 42.924 Degrees
ontributing counties, NYS Office of Information Technology Services Geospatial Services an

EXHIBIT J.e.

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

CAYUGA QUADRANGLE
NEW YORK
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 18T

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, October 2017 - December 2017
Roads..... U.S. Census Bureau, 2016
Names.....GNIS, 1980 - 2023
Hydrography.....National Hydrography Dataset, 2002 - 2019
Contours.....National Elevation Dataset, 2021
Boundaries.....Multiple sources; see metadata file 2020 - 2022

Wetlands.....FWS National Wetlands Inventory 1985 - 2013

MN
GN
11°42'
208 MILS
1°9'
20 MILS
UTM GRID AND 2023 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
UN
Grid Zone Designation
18T

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

NEW YORK
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Savannah
2 Montezuma
3 Weedsport
4 Seneca Falls
5 Auburn
6 Romulus
7 Union Springs
8 Scipio Center

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

CAYUGA, NY
2023

NSN, 7643016386547
NGA REF NO. USGSX24K7744

EXHIBIT J.f.

Environmental Layers

	Total Buildable Acreage	21.67 acres	97.38%
	Max Continuous Buildable Acreage	21.67 acres	97.38%
	Buildable Acreage Criteria Greenfield, slope < 15°, forestry < 30%, wetland not buildable, floodplain not buildable, building not buildable, dec wetland not buildable, prime farmland not buildable, railroad setback buffer: 0 ft, transmission line setback buffer: 0 ft, site boundary setback buffer: 0 ft		
	Buildings	0.00 acres	0.00%
	Wetland	0.00 acres	0.00%
	Floodplain	0.00 acres	0.00%
	Slope (7° - 10°)	4.22 acres	18.96%
	Slope (10° - 15°)	2.16 acres	9.72%
	Slope (15° - 20°)	0.30 acres	1.34%
	Slope (20° - 25°)	0.14 acres	0.64%
	Slope (>25°)	0.14 acres	0.62%
	Forestries (>30%)	0.04 acres	0.19%
	DEC Wetland	0.00 acres	0.00%
	Prime Farmland	0.00 acres	0.00%

EXHIBIT J.g.

Criteria | Spatial | Results

No Spatial Features were found

EXHIBIT K

LAND LEASE AND SOLAR EASEMENT

by and between

Amy Walowsky & Dennis Walowsky Trust II,

And

IPS NY SOLAR LLC,

a New York limited liability company

dated as of

April 19th, **2022**

OL Walowsky II

Section 9.05 Delinquent Payments

If a Party fails to the other any sum required to be paid hereunder within thirty (30) days after such payment is due, interest on the unpaid amount will accrue at a rate of one percent (1%) per month or the maximum rate allowed by law, whichever is less, from thirty (30) days after the date such payment was due until the date such payment is made.

Article X. Miscellaneous

Section 10.01 Notice

Notices, consents or other documents required or permitted by this Lease must be given by personal delivery, reputable overnight courier or certified U.S. mail postage prepaid and will be sent to the respective Parties as follows (or at such other address as either Party may designate upon written notice to the other Party in the manner provided in this paragraph) and will be deemed delivered upon actual delivery or refusal, if personally delivered, upon the date of actual delivery or refusal shown on the courier's delivery receipt, if sent by overnight courier, and on the fourth business day after deposit in the U.S. mail, if sent by certified mail:

To Owner: Amy Walowsky & Dennis Walowsky Trustee
6120 Benham Rd
Auburn NY 13021-9572
315-253-0920

With Copy To:
Dominic V. Giacona, Esq.
110 Genesee St., Ste. 200
Auburn, NY 13021
(315) 370-3642

To Project Company: IPS NY SOLAR LLC
c/o Impact Power Solutions LLC
2670 Patton Road
Roseville, MN 55113
(651) 789-5305

Section 10.02 Relationship of the Parties; No Third-Party Beneficiaries

The duties, obligations and liabilities of each of the Parties are intended to be several and not joint or collective. This Lease will not be interpreted or construed to create an association, joint venture, fiduciary relationship or partnership between the Parties, or to impose any partnership obligation or liability or any trust or agency obligation or relationship upon either Party. The Parties will not have any right, power, or authority to enter into any agreement or undertaking for, or act on behalf of, or to act or be an agent or representative of, or to otherwise bind, the other Party. Except for the rights of Lenders set forth above, no provision of this Lease is intended to nor will it in any way inure to the benefit of any third party, or otherwise give rise to any cause of action in any person not a party to this Lease.

DWW
AW

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed as of the Effective Date first above written.

PROJECT COMPANY:

IPS NY SOLAR LLC,
a New York limited liability company

By: _____
Jamie Borell
Manager

Amy Walowsky

_____

Dennis Walowsky

_____

DWW
AW

EXHIBIT A-2

DESCRIPTION OF SOLAR SITE

It is anticipated that the Solar Site shall be no more than 23.7 acres of land and no less than 10 acres of land.

IMAGE OF SOLAR SITE AND EASEMENT:

DWW

8. **Is the Premises under any Options or Purchase Agreements (recorded or unrecorded)?**
n/a

9. **Is the Owner subject to any pending actions or judgments, tax liens, bankruptcies, or divorce? If so, please describe.**
n/a

10. **Is there drain tile or center point irrigation system on the Premises? If so, please describe.**
n/a

11. **Does the Premises have any environmental problems? If yes, please describe.**
unknown

12. **Are there any Unpaid Taxes assessed against the Premises?** *n/a*

13. **Is there hunting on the Premises? If so, please describe.** *n/a*

14. **Does Owner own the mineral rights to the Premises (including oil and gas)?** *No.*
If not, who is the owner of the mineral rights? *(see answer at question No. 7 above)*

15. **Is the Premises affected by any agreements relating to the mineral rights on the Premises (including oil and gas)? If so, please describe the agreements.** *Yes (see answer at question No. 7 above)*

16. **Is the Premises part of any conservation program, such as CRP or wetlands preservation? If so, please describe.** *n/a*

17. **Is the Owner aware of any title issues or other encumbrances against the Premises? If so describe.**
n/a

18. **Were you referred to IPS by someone? Who?**
n/a

DWW

APPENDIX H

New York State Standardized Acknowledgment of Property Owner Consent Form

Interconnecting Utility: NYSEG
Utility Project Number (if available): _____

(Note: This Acknowledgment is to be signed by the owner of the property where the proposed distributed generation facility and interconnection will be placed, when the owner or operator of the proposed distributed generation facility is not also the owner of the property, and the property owner's electric facilities will not be involved in the interconnection of the distributed generation facility.)

This Acknowledgment is executed by Dennis & Amy Walowsky, (the "Property Owner"; as used herein the term shall include the Property Owner's successors in interest to the Property), as owner of the real property situated in the City/Town of Aurelius, Cayuga County, New York, known as 6310 Cayuga Rd., [street address] (the "Property"), at the request of New Energy Equity [name of Developer] (the "Developer"; as used herein the term shall include the Developer's successors and assigns).

This Acknowledgment does not grant or convey any interest in the Property to the Developer.

1. The Property Owner certifies as of the date indicated below that the Property Owner is working exclusively with the Developer on a proposal to install a distributed generation facility (the "Facility") on the Property.

   OR

2. The Property Owner certifies as of the date indicated below that the Developer has executed with the Property Owner one of the following: a signed option agreement to lease or purchase the Property, an executed Property lease, or an executed purchase agreement for the Property granting the Developer a right to use the Property for purposes of installing the Facility.

Property Owner:	Developer:
By: Dennis & Amy Walowsky	By: _____
Name: Amy Walowsky Dennis W. Walowsky	Name: Jamie Beam
Title: Owner	Title: SVP
Date: June 14, 2023	Date: 6/20/23

APPENDIX J

New York State Standard Site Control Certification Form

UTILITY COMPANY NAME] NYSEG
[UTILITY DEPT. NAME AND CONTACT NAME]
[UTILITY STREET ADDRESS]
[CITY/TOWN, New York [ZIP CODE]

Re:	DEVELOPER	[name] New Energy Equity
		[contact information] 612-300-6095
	PROJECT	[utility ID number]
	PROPERTY	[street address] 6310 Cayuga Rd.
		[municipality/county] Cayuga
		[city/town and zip code] Aurelius, 13021

Walowsky, Trustee, Dennis; Walowsky, Trustee, Amy (the "Property Owner") is the owner of the above- referenced property (the "Property").
NEE (the "Developer") is the developer of the project identified above.

The Property Owner and the Developer have entered into an agreement authorizing the Developer to use the Property for the purpose of constructing and operating a distributed generation facility. The type of agreement that is in place is indicated below by a check mark.

	Signed option agreement to lease or purchase the Property
✔	Executed lease agreement for the Property
	Executed agreement to purchase the Property
	License or other agreement granting exclusive right to use the Property for purposes of constructing and operating the distributed generation facility

Property Owner and Developer entered into the agreement on or about 4/19/2022 (MM/DD/YYYY)

Terms of Agreement (including options to extend) 4/19/2065 (MM/DD/YYYY)

Property Owner

By: Amy Walowsky
Dennis W. Walowsky

Printed Name: Amy Walowsky
Dennis Walowsky

Title: Owner

Date: June 14, 2023

Developer

By: _____

Printed Name: _____

Title: Senior VP

Date: 6/20/23

EXHIBIT L

Adjacent Landowners to Dennis Walowsky Trustee (Parcel ID: 112.19-1-3.1)

Name:	Address:	Parcel ID:	Acreage:
Roy Horst	309 W. Genesee Street, Cayuga, NY 13034	112.00-1-19.11	57.24
David Cunningham	Wheat Street, Cayuga, NY 13034	119.07-1-47.111	83.97
David Cunningham	304 Genesee Street, Cayuga, NY 13034	119.07-1-47.12	5.51
Village of Cayuga	W. Genesee Street – Rear, Cayuga, NY 13034	112.19-1-4	0.52
Daniel L Quill	295 Genesee Street, Cayuga, NY 13034	112.19-1-3.2	14.89
Cayuga Ridge Runners	6309 Cayuga Tpke, Cayuga, NY 13034	112.19-1-3.3	25.92
Pinckney Sheep Farms, LLC	6365 Cayuga Road, Cayuga, NY 13034	112.00-1-17	11.66

EXHIBIT M.a.

VILLAGE of CAYUGA New York
6205 Railroad Street
P.O. Box 313,
Cayuga, NY 13034

ZONING/BUILDING PERMIT APPLICATION

RETURN ALL PAGES of application

Code Officer Ph: 315-730-8908
Village Office 315-252-1707
FAX: 315-252-4120
email: kevin.foster@villagecayugany.com

1) APPLICANT INFORMATION
Name _____ I am the: __Owner __Contractor __Builder __Buyer __Mfg Housing Dealer/Installer
Address _____ City _____ State _____ZIP _____
Home Phone_____ Cell Phone_____

2) PROPERTY LOCATION that work is to be performed
Property Owner _____
Tax Map ID # _____
Address _____ City _____ State _____ZIP _____

3) IS THIS PROPERTY LOCATED IN A SPECIAL FLOOD HAZARD AREA ?
__ No __ Yes (IF Yes, what SFHA __A __AE __AH __AO __AR __A99 __V __VE)

4) ZONING DISTRICT PROPERTY IS LOCATED IN (Check one or all that apply)
__ R __ BDD __ LR __ LSDD __ C __ FH

5) CURRENT USE OF PROPERTY (Check all that apply)
__Residential One Family __Residential Two Family __Multi-dwelling __Home Occupation __Vacant Land
__Commercial __Agricultural/Forestry __Manufacturing __Industrial __Recreational
__Other (described in a statement on a separate sheet attached to this application)

6) I AM APPLYING FOR A ZONING PERMIT FOR THE FOLLOWING PURPOSE (Check all that apply)
__To obtain a Building Permit __Change of Use of Building __Alteration of Building __Non-Conforming Use
__Home Occupation __Change of Use of Lot/Land __Alteration of Lot/Land __Add a Use
__Subdivision __Other (described in a statement on a separate sheet attached to this application)

7) PROPOSED USE OF PROPERTY or NEW CONSTRUCTION (Check all that apply)
√ Include a Statement to the Proposed Use of the building or land on a separate sheet attached to this application.
__Residential One Family __Commercial __Agricultural/Forestry __Recreational
__Residential Two Family __Industrial __Vacant Land __Home Occupation
__Multi-dwelling __Manufacturing __other (Describe)_____

8) SQUARE FOOTAGE OF NEW CONSTRUCTION AREA
_____SF

9) COST OF PROJECT
$ _____ Materials + _____ Labor = $ _____ TOTAL project cost

10) CONSTRUCTION OR WORK TO BE PERFORMED (Check ALL that apply)

__New Residential Bldg.	__Porch enclosed	__Shed	__Siding	__Demolish Bldg.
__New Commercial Bldg.	__Porch open	__Remodel	__Window/s	__Swimming Pool
__Detached Garage	__Deck	__Structural Repair	__Door/s	__Fence
__Attached Garage	__Pole Barn	__Reconfigure space	__Remove Bldg.	__Wood/Coal/Pellet Stove
__Addition	__New Ag Bldg.	__Roofing	__Relocate Bldg.	__Outdoor Boiler
__Sign	__Driveway	__Other (Describe)_____		

__Truss Type Construction (Utilizing Trusses, Truss Type, Pre-engineered Wood or Timber Construction)

11) WORK WILL INVOLVE (Check ALL that apply)
__Site work/Excavation __Foundation __Electrical __Well __Septic __Mechanicals __Framing __Plumbing __HVAC

12) CONSTRUCTION DRAWINGS
__This project is over 1500 Sq Ft of project area or over $ 20,000 of project cost and I am includng Stamped and Signed Plans prepared by a NYS Registered Architect, Engineer, or Design Professional as required showing scope of work to be performed and sufficient detail to determine compliance with the Uniform Code and NYSECCC.

__This project is under 1500 Sq Ft of project area and under $ 20,000 of project cost and I am includng attached drawings, plans and specifications showing scope of work to be performed and sufficient detail to determine compliance with the Uniform Code and NYSECCC.

RETURN ALL PAGES of application

Code Officer Ph: 315-730-8908
Village Office 315-252-1707
FAX: 315-252-4120
email: kevin.foster@villagecayugany.com

RETURN ALL PAGES of application

13) SITE LAYOUT DRAWN TO SCALE REQUIRED (drawing and specifications to be on separate paper)

Include a Site Layout drawn to scale showing the following:

1. PROPOSED Buildings and Structures or Uses
   a. Location on Lot
   b. Dimensions of Length, Width and Height
   c. Distance from other Buildings
   d. Distance from Side and Rear property lines
   e. Distance from Street Lines
2. EXISTING Buildings and Structures or Uses
   a. Distance from Side and Rear property lines
   b. Distance from Street Lines

14) PARKING and LOADING SPACES (drawings and specifications to be on separate paper)

Include a Drawing and Description showing the following

1. PARKING SPACES
   a. Number of spaces
   b. Number of ADA spaces (if required)
   c. Location of spaces
   d. Design of spaces
2. LOADING SPACES and LOADING DOCKS (if applicable)
   a. Number of spaces
   b. Location of spaces
   c. Design of spaces

15) ILLUMINATION OF SIGNS (if applicable) (drawings and specifications to be on separate paper)

Include a Drawing and Description showing the following

a. Methods of Illumination
b. Size
c. Dimensions
d. Location

16) ADDITIONAL PLANS AND INFORMATION

Include any additional plans and information reasonably necessary for the Zoning Officer to ascertain whether the proposed use, change in use, erection, alteration, or addition complies with the provisions of this Local Law.

17) SIGNATURE OF THE PROPERTY OWNER AND OR AN AGENT OF THE OWNER

I certify that all information submitted in this form and all attached documents is true and complete and that a valid Zoning and Building Permit will be obtained before starting any work or construction and that the work described in this application will be performed to conform to the NYS Uniform Fire Prevention and Building Code, all Local Laws and Ordinances, New York State and other Agencies having authority in this jurisdiction.

I will provide access to the property as necessary for required inspections as required by NYS Executive Law and NYS Uniform Fire Prevention and Building Code. If work is not completed within 1 year I will notify the Code Enforcement Officer and renew the original permit or reapply for a new permit as necessary. When work is completed I will request a Final Inspection and Certificate of Compliance or Occupancy.

THIS BUILDING PERMIT SHALL BECOME INVALID UNLESS THE AUTHORIZED WORK IS COMMENCED WITHIN 6 MONTHS FOLLOWING THE DATE OF ISSUANCE.

Signature _____ Date _____

RETURN ALL PAGES of application

VILLAGE of CAYUGA New York
6205 Railroad Street
P.O. Box 313,
Cayuga, NY 13034

ZONING/BUILDING PERMIT APPLICATION

RETURN ALL PAGES of application

Code Officer Ph: 315-730-8908
Village Office 315-252-1707
FAX: 315-252-4120
email: kevin.foster@villagecayugany.com

18) WORK TO BE PERFORMED BY (Check ALL that apply)
__Owner occupying premises __Contractor __Mfg Housing Installer __Other (Describe)_____

19) CONTRACTOR INFORMATION
Owner Name _____Company/Business Name_____
Type of business _____
Address _____
City _____State _____ ZIP _____
Phone_____Cell Phone_____ FAX _____

CONTRACTOR INSURANCE (Check ONE)
__ I HAVE employees and will provide Proof of Workers Compensation and Disability Insurance before any work is started.
__ I am Self-Employed and HAVE NO Employees and will provide Proof of Exemption from Workers Compensation and Disability Insurance using Form CE-200 before any work is started.

20) PROVIDE PROOF OF INSURANCE if using Contractor with Employees
Contractors must show Proof of Coverage or Exemption using any of the following forms:

Workers Compensation Insurance	Disability insurance
Form C-105.2	Form DB-120.1
Form U-26.3	Form DB-155
Form GSI-105.2	
Form SI-12	

21) PROVIDE PROOF OF EXEMPTION if using Self-Employed Contractor
Self-employed contractors must show Proof of Exemption from W/Comp and Disability using the following form:
Exemption Form
Form CE-200

22) PROVIDE PROOF OF EXEMPTION if Owner Occupied doing work using attached Form (BP-1) on page 4.
Homeowner of 1, 2, 3, and 4 family owner occupied residence performing work use form:
Affidavit of Exemption
BP-1 (attached)

23) SIGNATURE OF CONTRACTOR
I certify that all my information submitted in this form and all my attached documents is true and complete and that a valid Zoning and Building Permit will be obtained before starting any work or construction and that the work described in this application will be performed to conform to the NYS Uniform Fire Prevention and Building Code, all Local Laws and Ordinances, New York State and other Agencies having authority in this jurisdiction.

Contractor Signature _____ Date _____
Print name _____ Date _____

Office Use

*Reviewed/Approved by*_____ *Date*_____ *Fee*_____
For
☐ *ZONING PERMIT ONLY*
☐ *ZONING/BUILDING PERMIT*

*Disapproved by*_____ *Date*_____
*Referred to the ZBA by*_____ *Date*_____ *Fee*_____
*Applicant notified disapproved by*_____ *Date*_____

☐ *Application Incomplete/Returned to Applicant* ..... *Date*_____

RETURN ALL PAGES of application

VILLAGE of CAYUGA New York
6205 Railroad Street
P.O. Box 313,
Cayuga, NY 13034

RETURN ALL PAGES of application

Code Officer Ph: 315-730-8908
Village Office 315-252-1707
FAX: 315-252-4120
email: kevin.foster@villagecayugany.com

Affidavit of Exemption to Show Specific Proof of Workers' Compensation Insurance Coverage for a 1, 2, 3 or 4 Family, Owner-occupied Residence

This form cannot be used to waive the workers' compensation rights or obligations of any party.

Under penalty of perjury, I certify that I am the owner of the 1, 2, 3 or 4 family, **owner-occupied** residence (including condominiums) listed on the building permit that I am applying for, and I am not required to show specific proof of workers' compensation insurance coverage for such residence because (please check the appropriate box):

☐ I am performing all the work for which the building permit was issued.

☐ I am not hiring, paying or compensating in any way, the individual(s) that is(are) performing all the work for which the building permit was issued or helping me perform such work.

☐ I have a homeowners insurance policy that is currently in effect and covers the property listed on the attached building permit AND am hiring or paying individuals a total of less than 40 hours per week (aggregate hours for all paid individuals on the jobsite) for which the building permit was issued.

I also agree to either:

- acquire appropriate workers' compensation coverage and provide appropriate proof of that coverage on forms approved by the Chair of the NYS Workers' Compensation Board to the government entity issuing the building permit if I need to hire or pay individuals a total of 40 hours or more per week (aggregate hours for all paid individuals on the jobsite) for work indicated on the building permit, or if appropriate, file a CE-200 exemption form; OR
- have the general contractor, performing the work on the 1, 2, 3 or 4 family, **owner-occupied** residence (including condominiums) listed on the building permit that I am applying for, provide appropriate proof of workers' compensation coverage or proof of exemption from that coverage on forms approved by the Chair of the NYS Workers' Compensation Board to the government entity issuing the building permit if the project takes a total of 40 hours or more per week (aggregate hours for all paid individuals on the jobsite) for work indicated on the building permit.

_____ _____
(Signature of Homeowner) (Date Signed)

_____ Home Telephone Number _____
(Homeowner's Name Printed)

Property Address that requires the building permit:

_____

_____

_____

_____

Sworn to before me this _____ day of _____, _____.

_____
(County Clerk or Notary Public)

Once notarized, this BP-1 form serves as an exemption for both workers' compensation and disability benefits insurance coverage.

BP-1 (12/08) NY-WCB

RETURN ALL PAGES of application

6205 Railroad Street
P.O. Box 313,
Cayuga, NY 13034

Code Officer FAX: 315-730-2908
Village Office 315-252-1707
FAX: 315-252-4120
email: kevin.foster@villagecayugany.com

NOTICE OF UTILIZATION OF TRUSS TYPE CONSTRUCTION, PRE-ENGINEERED WOOD CONSTRUCTION AND/OR TIMBER CONSTRUCTION IN RESIDENTIAL STRUCTURES

(In accordance with Title 19 NYCRR PART 1265)

TO: *Code Enforcement, Village of Cayuga, P.O. Box 313 Cayuga, NY 13034*

OWNER OF PROPERTY: _____

SUBJECT PROPERTY (ADDRESS AND TAX MAP NUMBER):

_____

_____

_____

PLEASE TAKE NOTICE THAT THE (CHECK ALL THAT APPLY):

New Residential Structure

Addition to Existing Residential Structure

Rehabilitation to Existing Residential Structure

TO BE CONSTRUCTED OR PERFORMED AT THE SUBJECT PROPERTY REFERENCE ABOVE WILL UTILIZE (check each applicable line):

Truss Type Construction (TT)

Pre-Engineered Wood Construction (PW)

Timber Construction (TC)

IN THE FOLLOWING LOCATION(S) (CHECK APPLICABLE LINE):

Floor Framing, Including Girders and Beams (F)

Roof Framing (R)

Floor Framing and Roof Framing (FR)

SIGNATURE: _____ **DATE:** _____

PRINT NAME: _____

CAPACITY (Check One): ☐ Owner ☐ Owner's Representative

EXHIBIT N

CONFIRMATION OF LOCAL LAND USE APPROVAL

Planning and Zoning Form

Applicant Information			
Company Name:			
Contact Name:		*Title:*	
Email Address:		*Telephone Number:*	

Project Information	
Project Name:	
Project Address:	
Solar Project Size (AC/DC):	
Energy Storage Size AC: (if applicable)	

Municipality Information			
Municipality Name:			
Contact Name:		*Title:*	
Email Address:		*Telephone Number:*	

Required Solar Land Use Approvals			
Land Use Approval and Date Approved (check all that apply):			
☐	Special Use Permit	Date Approved:	
☐	Site Plan Review	Date Approved:	
☐	SEQR Negative Declaration (if municipality is lead agency)	Date Approved:	
☐	Other (list type):	Date Approved:	
☐	No Land Use or Zoning Approval is required for this project		
Required Energy Storage Land Use Approval(s) (if applicable)			
List type of approval required:		Date Approved:	

NYSERDA respectfully requests that the municipality sign a copy of this form acknowledging and confirming the above is accurate and correct, and that this project has received all required local land use approvals for the solar PV project. If Energy Storage is part of the project, the Contractor is responsible for providing to NYSERDA, a copy of the meeting minutes confirming the Energy Storage system was presented to or approved by the municipality. NYSERDA may contact the municipality to confirm approvals if needed.

ACKNOWLEDGED & CONFIRMED BY MUNICIPALITY

_____ _____

Signature Date

_____ _____

Print Name Title