



Welcome to **Cayuga Solar** Community Meeting

Contact us!

866-757-7697

cayugasolar@aes.com

www.aes.com/cayuga-solar

Owned and developed by



AES' social impact program

Program mission

Our social impact program partners with communities to strengthen positive impact through socioeconomic and environmental partnerships that improve lives today and in the future.

Partnering with communities

Investments in the local community have been made via donations and sponsorships to organizations such as the Tompkins Cortland Community College, Energy in the 21st Century Symposium, New Yorkers for Clean Power and many more!

We are committed to community, accessibility and communication, and view community engagement as a two-way street. Please reach out with your ideas, suggestions, questions or comments on how we can be a better neighbor and partner to Cayuga Solar communities!

Focus pillars

Our 4 focus pillars are our initial framework for providing donations to community organizations and developing partnerships to positively impact our host communities.

- Partnering for access to safe, efficient, and affordable energy and basic services.
- Partnering for Inclusive economic growth and education.
- Partnering for the environment
- Partnering for community resilience.



An AES representative speaks with attendees at the Tompkins Cortland Community College, Job and Internship Fair

Cayuga Solar overview

Nameplate capacity

60 MW Solar



Location

Town of Lansing
Tompkins County, New
York



Project footprint

Approx. 400 acres



Point of interconnection

Existing Milliken 115kv
Substation (NYSEG)



Environmental benefits

Enough electricity to power 18,281
homes annually



Expected commercial operation date (COD):

2028

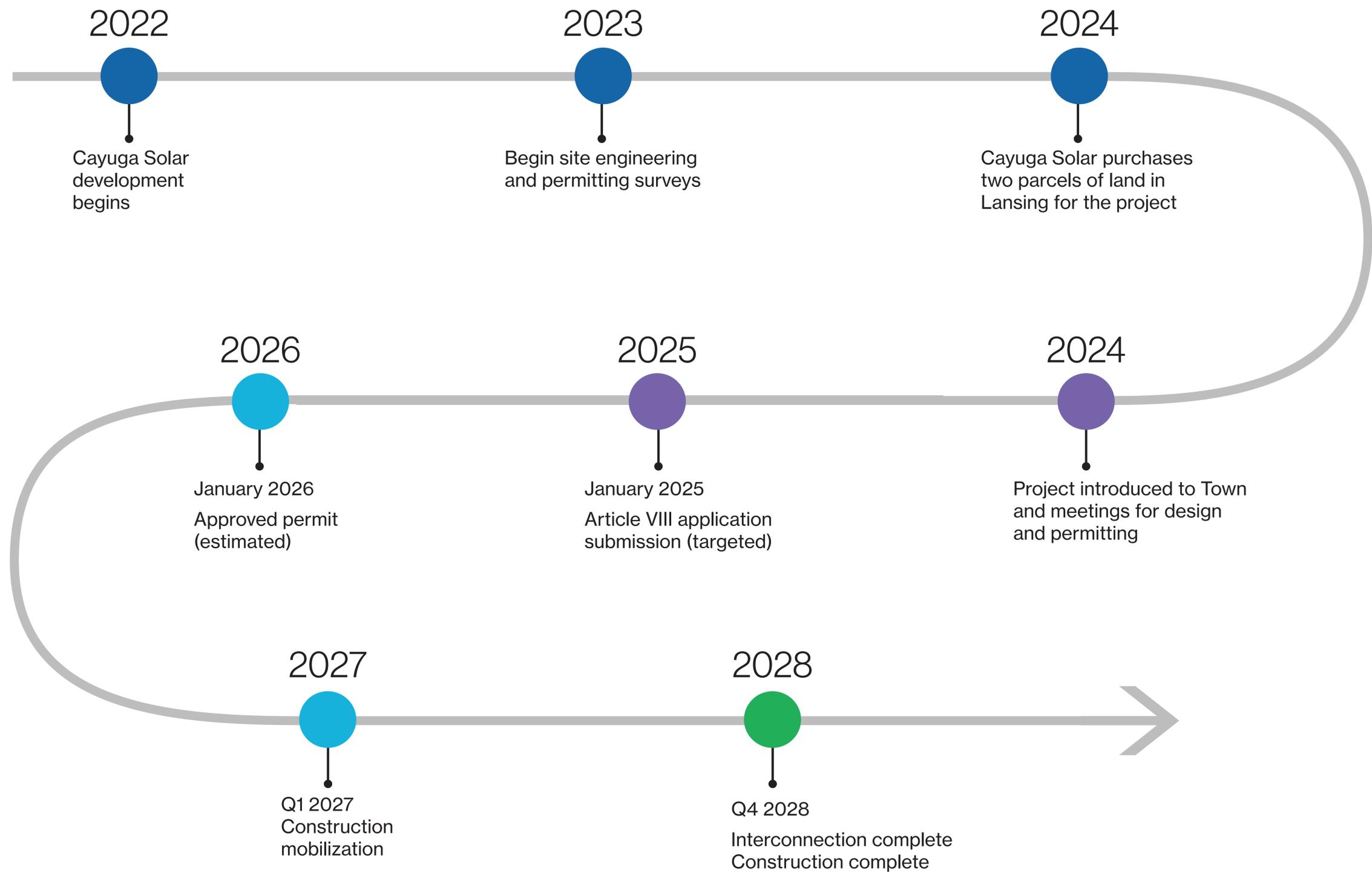


Economic benefits

Cayuga Solar can make a positive economic impact on local taxpayers by adding tax dollars to the local economy with relatively little increase in local services. Cayuga Solar will create hundreds of high-paying construction jobs and provide local operations jobs in New York State.



Proposed project timeline



Cayuga Solar project layout



Project decommissioning

Facility decommissioning will be initiated when the facility reaches the end of its operational life. Cayuga Lake Solar, LLC (the Applicant) will be responsible for the decommissioning of the Facility.

The cost of decommissioning will be estimated by a third party engineer and the estimated net cost amount, plus 15%, is placed as security which towns have access to in the event it is needed. Towns will be consulted on the cost estimate for decommissioning.

The Applicant will provide notice by mail to landowners and the Town of Lansing prior to commencing decommissioning work.

As part of the decommissioning process, the facility site will be restored to pre-construction conditions, including disassembly and removal of above ground structures, removal of subsurface structures to a minimum depth of 36 inches below grade in non-agricultural land and 48 inches below grade in agricultural land.

The Applicant shall consult with NYSEG to complete the de-energization efforts and ensure there is no disruption to the electric grid.



Engineering studies



Geotechnical investigation

Several rounds of geotechnical investigation have been completed since January 2024 to gain a detailed understanding of soil and subsurface characteristics.



Civil engineering layout

Cayuga Solar has undergone multiple engineering layouts which have yielded different results to total project size.

Hydrology and hydrologic analysis

A thorough hydrologic analysis was completed in August 2023 to understand how water moves through the area, including where floodplains exist and where they may develop in the future.

Article VIII

siting application exhibits

1. General requirements
2. Overview and public involvement
3. Location of facilities and surrounding land use
4. Real property
5. Design drawings
6. Public health, safety and security
7. Noise and vibration
8. Visual impacts
9. Cultural resources
10. Geology, seismology and soils
11. Terrestrial ecology
12. NYS threatened or endangered species
13. Water resources and aquatic ecology
14. Wetlands
15. Agricultural resources
16. Effect on transportation
17. Consistency with energy planning objectives
18. Socioeconomic effects
19. Environmental justice
20. Effect on communications
21. Electric system effects and interconnection
22. Electric and magnetic fields
23. Site restoration and decommissioning
24. Local laws and ordinances
25. Other permits and approvals

Environmental studies



Wetlands and streams

Biologists have conducted surveys on-site over several years to document the extents and characteristics of wetlands and streams. The Project will avoid and minimize impacts to wetlands and streams to the maximum extent practicable.

AES is coordinating with ORES (Office of Renewable Energy Siting and Electric Transmission) regarding jurisdiction, permitting, and potential mitigation.



Cultural resources

AES has conducted thorough evaluations (both desktop and in the field) to evaluate the extents of culturally significant resources on-site and will implement avoidance measures, as necessary.

AES is coordinating with the Cayuga Nation, Onondaga Nation, Seneca-Cayuga Nation, the NYS Historic Preservation Office (SHPO), and the Tribal Historic Preservation Office (THPO).



Listed species and habitat

Avian surveys were conducted on-site for grassland breeding birds and wintering raptors.

AES will continue to coordinate with ORES and NYSDEC regarding habitat occupied by listed species. The Project is being designed to avoid and minimize impacts; if unavoidable, mitigation in the form of a Net Conservation Benefit Plan will be required.

Article VIII permitting highlights

Prior to submitting an Article VIII permit application, Applicants are required to consult with the local agencies and stakeholders of the community(ies) in which the proposed project will be located.

ORES requires that state agencies (e.g. NYSDEC) are consulted on wetland and stream delineations, threatened and endangered species, and archaeological and cultural resources, if appropriate.

Prior to application submittal, applicants must hold at least one meeting for community members and one Agency consultation with impacted agencies.

From the date of its receipt of a permit application, ORES (Office of Renewable Energy Siting and Electric Transmission) has 60 days to make a completeness determination. After a completeness determination, draft permit conditions will be issued by ORES for public comment. Within the comment period, the host municipalities must submit a statement indicating whether the proposed renewable energy facility complies with applicable local laws. ORES must issue a final decision on the siting permit within one year of the date on which the application is deemed complete.



Article VIII (formerly 94-c)

Effective April 20, 2024, the Renewable Action through Project Interconnection and Deployment (RAPID) Act repealed Executive Law § 94-c, repealed the current Public Service Law Article VIII, and enacted a new Public Service Law Article VIII entitled “Siting of Renewable Energy and Electric Transmission” (Article VIII).

The RAPID Act also transferred the Office of Renewable Energy Siting (ORES) from the Department of State to the Department of Public Service, continuing all existing functions, powers, duties, and obligations of ORES under the former Executive Law § 94-c. In addition, ORES’ existing regulations remain in full force and effect.

Projects that would have previously proceeded under § 94-c will now proceed under Article VIII.

The RAPID Act further builds upon the existing State permitting regulations, consolidating the environmental review, permitting, and siting of both major renewable energy facilities and major electric transmission facilities under the purview of ORES.



Environmental studies



Visual resources

- The Application will include a viewshed analysis showing anticipated visibility of the Project.
- Photosimulations, including existing and proposed conditions, will be developed for the Application and will include any proposed landscaping.
- The Applicant will work with the Town to select viewpoints for the visual simulations to be submitted in the application.
- Methodology and results of the visual analysis will be included as part of a formal Visual Impact Assessment (VIA).



Noise analysis

- A Noise Impact Assessment (NIA) will be prepared to compare proposed sound conditions to existing conditions at the Facility Site and surrounding properties.
- Modeling will be based on existing sound levels from data collected at the Facility Site.

Local Agency Account Funding

Article VIII requires that Applicant submit a fee to be deposited in a local agency account in an amount equal to \$1,000 for each MW of capacity for a total of \$60,000.

Funds can be requested to complete the project record, and for local agencies this includes using the funds to determine if the proposed facility complies with local laws and requirements.

At least seventy-five (75) percent of the local agency account funds for each project are reserved for potential awards to local agencies (host municipalities).

Any local agency or potential community intervenor can submit a request for initial funding within thirty (30) days of the date of application filing and that such request may be made by mail to the:

Office of Renewable Energy Siting
Attention: Local Agency Account Funding Request, c/o
OGS Mailroom
Empire State Plaza
240 State Street P-1 South, J Dock
Albany, NY 12242

or by email to hearings@ores.ny.gov Subject line "Local Agency Account Funding Request."

CONCEPTUAL PHOTOSIMULATION

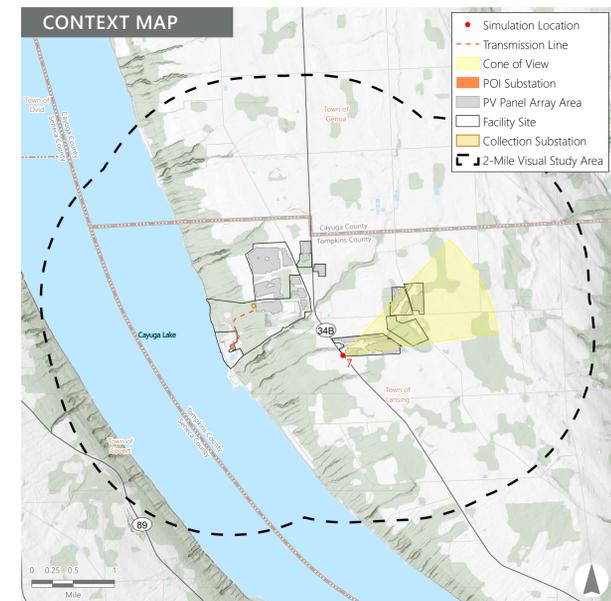
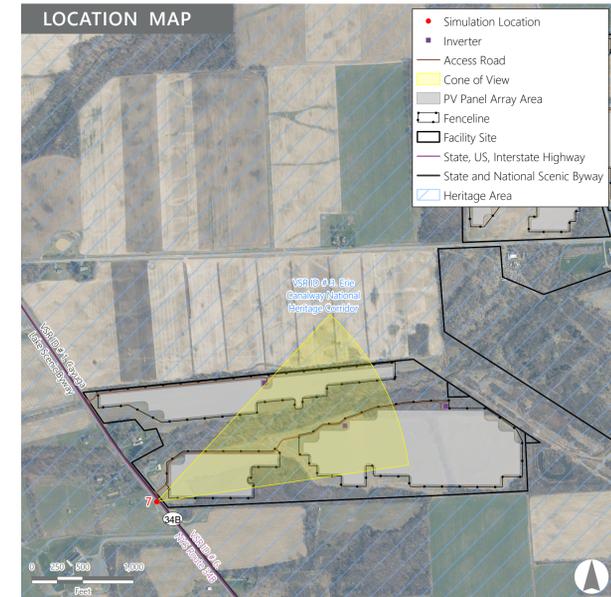
FOLLOWING INSTALLATION



VIEWPOINT 7

State Route 34B

Town of Lansing, Tompkins County



ORIGINAL PHOTOGRAPH



Cayuga Solar Project

Town of Lansing, Tompkins County, New York

LOCATION INFORMATION

Coordinates:	42.60111° N, 76.60670° W
Distance to Nearest Visible PV Panel:	150 feet
Distance Zone Represented:	Near-foreground
Landscape Similarity Zone:	Agricultural/Rural Residential
Viewer/User Group(s):	Local residents, Through-Travelers
Visually Sensitive Resource(s):	
VSR ID # 1	Cayuga Lake Scenic Byway
VSR ID # 3	Erie Canalway National Heritage Corridor
VSR ID # 6	NYS Route 34B

PHOTOGRAPH INFORMATION

Date:	April 9, 2024
Time:	11:14 AM
Camera:	Canon EOS 5D Mark IV
Lens Focal Length (35 mm sensor equivalent):	50 mm
Camera Elevation:	846 feet
Field of View:	39 degrees
Direction of View:	Northeast
Printed Size:	26.8 inches x 17.8 inches
Viewing Distance*:	37 inches

NOTES

* The simulation is at the correct perspective when printed on a 24-by-36 inch sheet at full scale, and viewed approximately 37 inches from the eye of the viewer.

Prepared For: 

Prepared By: 

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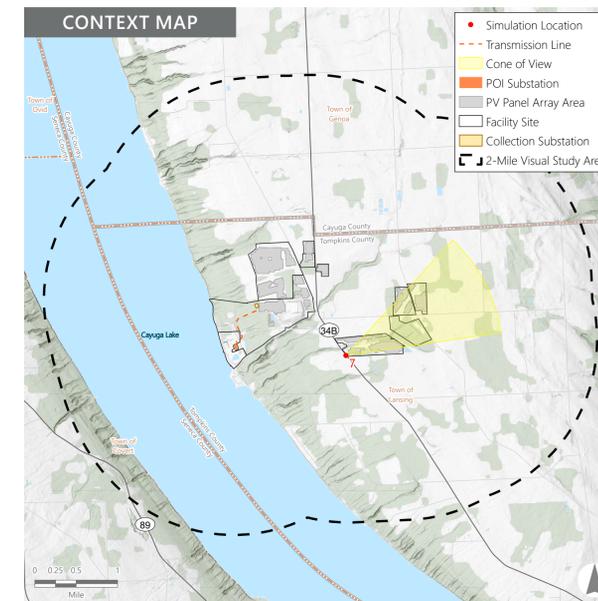
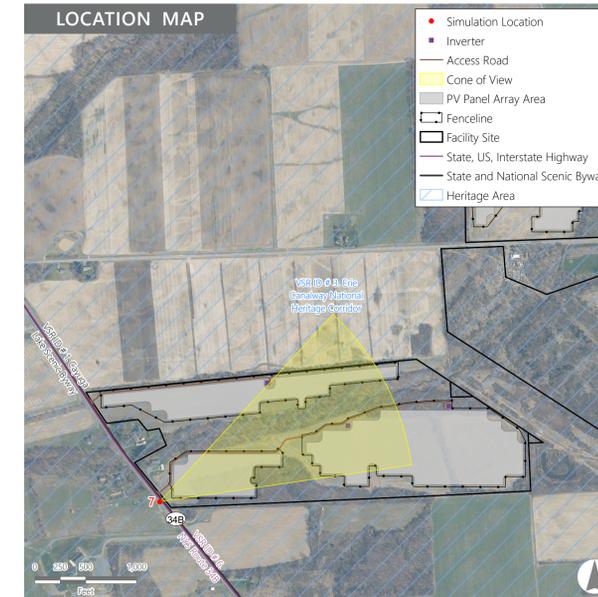
WITH MITIGATION PLANTINGS FOLLOWING 5-7 YEARS OF GROWTH



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ORIGINAL PHOTOGRAPH



Agricultural Co-Utilization

Development of the Cayuga Co- Use Plan is still underway. AES will continue to develop thoughtful methods of land preservation and utilization in conjunction with project development.

We are committed to strengthening our partnerships and being a good neighbor. If you have questions, please reach out to the AES NY team!

Reach our NY Stakeholder Relations team:

[866-757-7697](tel:866-757-7697) (toll-free)

cayugasolar@aes.com

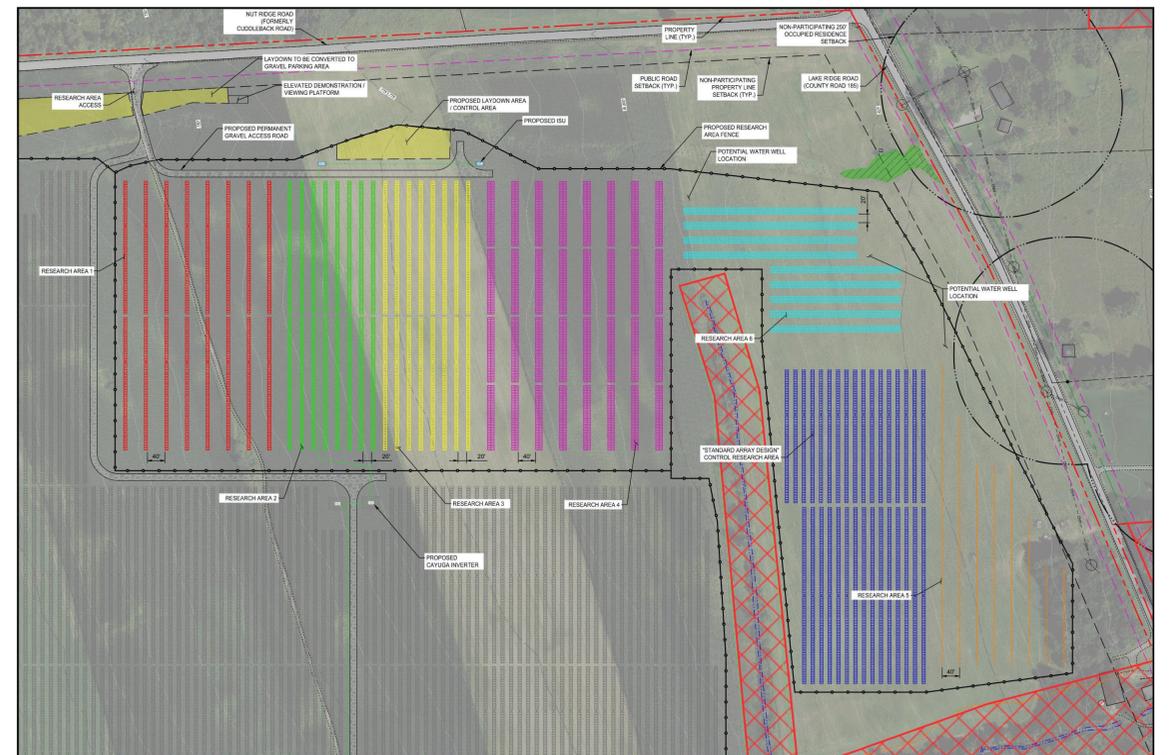
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At AES, we understand the importance of land and are actively working to create synergies between renewable energy development and land use.

Although these methods are not feasible at every project site, we continue to partner with researchers, farmers, and local stakeholders to assess site specific needs and the most feasible plan forward utilizing co-use, dual-use or agrivoltaic system practices.



Elizabethtown College Solar, PA



- Cayuga Solar will contain an agrivoltaics research facility on a portion of the site
- The agrivoltaics research facility will include various racking structures including Single Axis Tracker, Fixed Tilt, Vertical Panel
- The research areas will be equipped with Sensors & instruments for microclimate data collection
- Project will advance understanding and best practices of crop production within solar facilities.
- Through strategic partnerships AES continues to implement methods such as pollinator habitats, crop growth and sheep grazing.

