

Community Outreach

SHEPHERD'S RUN SOLAR FARM

Hecate places a priority on working closely with local officials and neighbors, involving the community in the development and permitting process to create the best possible project for everyone involved.

Communication

- ☀ Easy to access information and a place to provide feedback about the project with our dedicated project website: www.ShepherdsRunSolar.com
- ☀ Regular project updates by the project team for local governments (town, county, civic groups).
- ☀ Media briefings to keep the community current on project progress.

Collaboration

- ☀ Close coordination and specialized training for first responders who may encounter solar panels either on our project, or on residential and commercial structures.

Long-Term Partnerships

- ☀ Tax agreements that bring significant revenues to the community
- ☀ As part of the permitting process, a decommissioning plan will be developed and funded to ensure that, if the project ever stops functioning as a solar power generation facility, all the components are cleared and properly recycled or disposed of without impact to local taxpayers.

“This Informational Open House is an opportunity to inform the public, seek your feedback and engage your participation as we work to develop this project into a solar farm about which the entire community can be justifiably proud.”

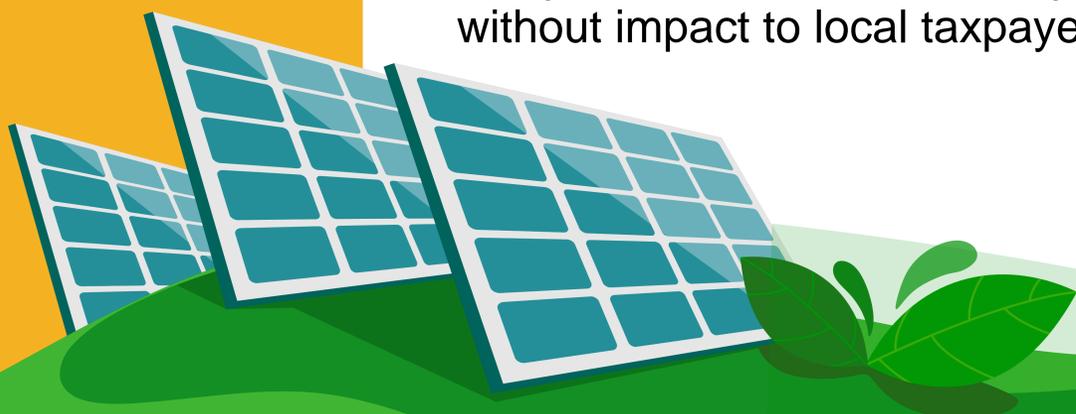
Alex Campbell, Project Team



Our Name & Logo:



Reflects the “circular trust” shared by communities, utilities and developers when a power project respects its people and their resources.



To contact the Project team, please use the email and toll-free number provided below.

OpenHouse@ShepherdsRunSolar.com

(877) 772-0822

www.ShepherdsRunSolar.com

Community & Economic Benefits

SHEPHERD'S RUN SOLAR FARM

Shepherd's Run Solar Farm will be a good neighbor supplying clean, affordable, renewable energy and an array of benefits for the community.



Community Benefits

- ☀ Shepherd's Run Solar will create a new revenue stream the town can use for community services including the local fire department, ambulance company, and library.
- ☀ The solar facility will make minimal use of community services.

Lease Payments Help Farmers Sustain Local Agriculture

- ☀ Farmers are provided long-term leases which guarantees revenues that allow them to:
 - Sustain operations; and
 - Invest funds in innovation and modernization.

Funds for Local Government & Schools

- ☀ The Project will generate long-term dedicated revenue for the town, county, and schools.
- ☀ Millions in overall economic benefit.
- ☀ New revenues will be significantly higher than the current tax revenue generated by the land on which the project will be sited.



Economic Benefits

Employment Opportunities

- ☀ Approximately 200+ jobs will be created during peak construction.
- ☀ Local businesses and workers will be contracted for engineering, surveying, site preparation, construction and ongoing operation and maintenance support.

Local Economic Impact

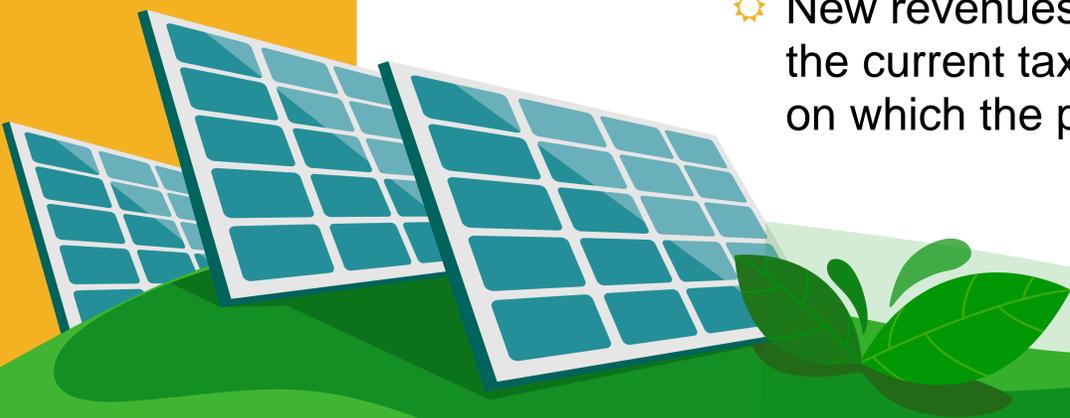
- ☀ Hecate's investment will result in millions of dollars in positive economic stimulus including jobs created during construction and operations that will benefit local building trades, restaurants, lodging, gas stations, and stores.

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Environmental Stewardship

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Hecate Energy's environmental philosophy is based on protecting our air, earth and water with clean energy. We have a stewardship to the planet to limit environmental impacts.

Maintenance and Cleaning

- ☀ If solar panels are broken or damaged through acts nature or otherwise, there are no materials that will leak out or pollute the air or ground. Hecate Energy will be responsible for any repairs or maintenance.
- ☀ Panels do not require washing with chemicals. To the extent washing is needed, which is expected to be infrequently due to regular rainfall, distilled water will be used.

Decommissioning

- ☀ At the end of the project's life, the site will be restored and the panels will be properly disposed.
- ☀ The majority of the materials used to build the project will be steel, aluminum and glass, which allow for recycling. The land will be restored to its preexisting condition.



“The Article 10 process requires Hecate Energy to have a decommissioning plan in place that assures funding for the restoration of the property at the end of its operating life.”



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Environmental Studies

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Community impacts are rigorously studied in the siting process administered by New York State in conjunction with local stakeholders. Issues pertaining to community, wildlife or wetland impacts are addressed as part of this comprehensive process.

Visual

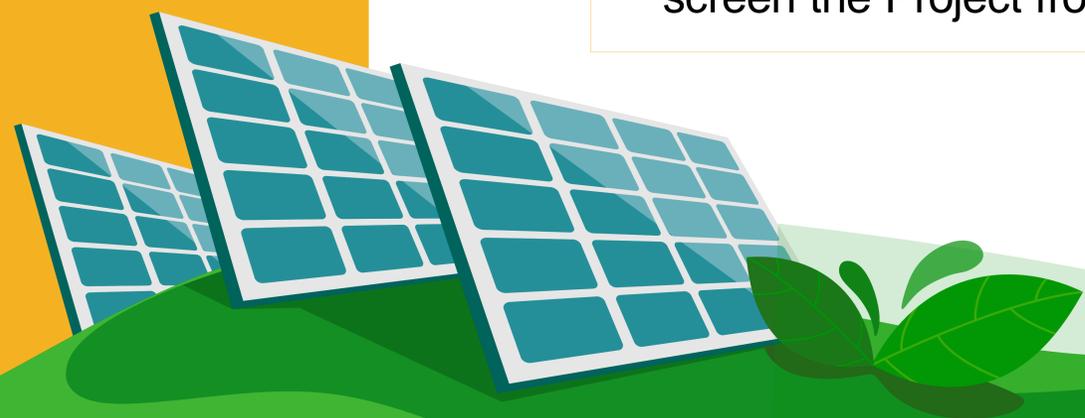
- ☀️ A common misconception about solar photovoltaic (PV) panels is that they inherently cause or create glare, posing a nuisance to neighbors. Light absorption rather than reflection is central to the function of solar PV panels to absorb solar radiation and convert it to electricity.
- ☀️ Solar PV panels are constructed of dark-colored (usually blue or black) materials and are covered with anti-reflective coatings. Modern PV panels reflect as little as 2% of incoming sunlight, about the same as water and less than soil or even wood shingles.
- ☀️ Hecate Energy is committed to working with the Town, adjacent landowners, and the community to ensure minimal visual impact occurs. A vegetative landscape plan will be designed to screen the Project from adjacent areas.

Wildlife

- ☀️ Hecate is focused on preserving wildlife habitat.
- ☀️ The land will be converted from agricultural farmland to a solar farm. The project will undertake environmental surveys to minimize adverse impacts to wildlife and will mitigate any impacts that may arise.

Additional Studies Conducted

- ☀️ Land use, geology, seismology, soils, agriculture & water resources, wetlands, culture resources, noise, vibration, transportation and socioeconomics are all studies that are being conducted by professionals hired by Hecate Energy.
- ☀️ These studies will be included in the Article 10 application and made available to the public.



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Water & Soil

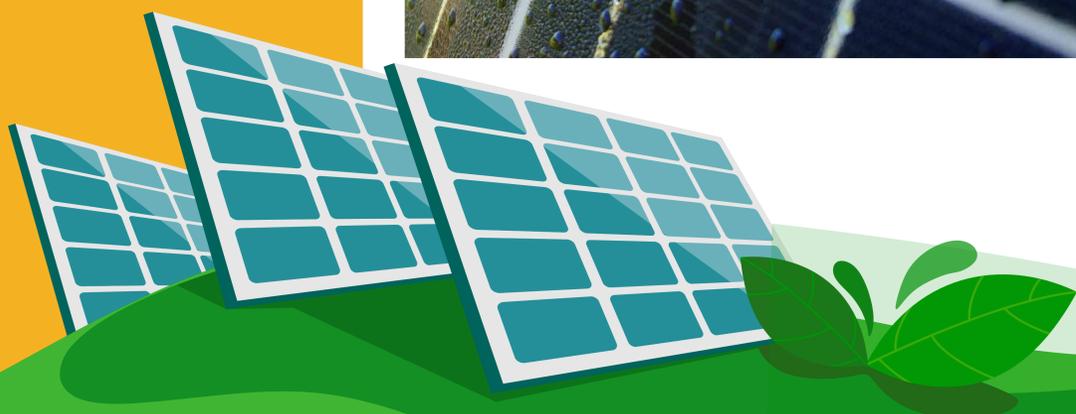
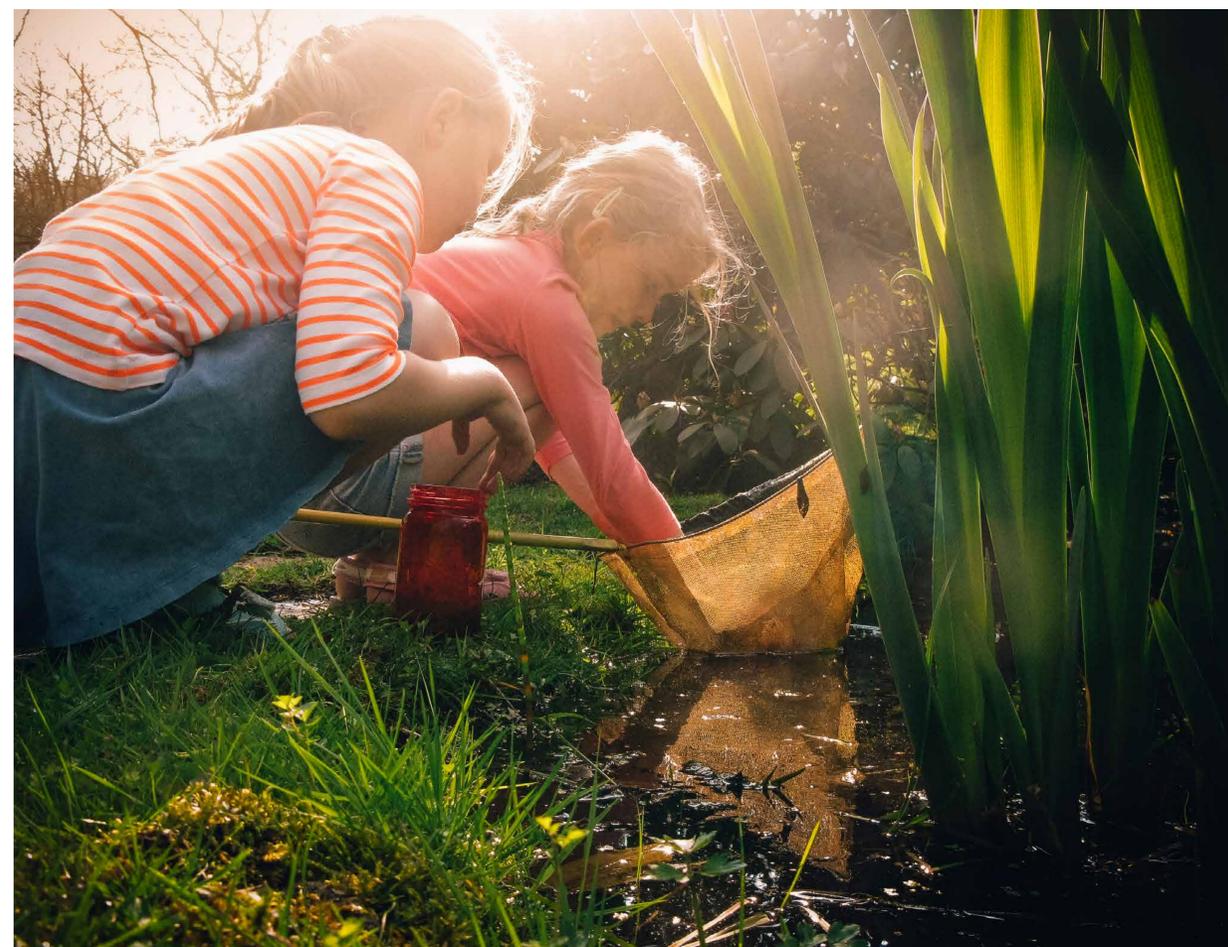
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Did you know?

Solar energy does not pollute local water resources because solar photovoltaic cells do not rely on water to generate power.

Storm Water, Soil, and Crop Pollination

- ☀ The Project will eliminate the use of farming fertilizers on site.
- ☀ By using the right seed mix, solar sites can provide significant agricultural benefits related to stormwater, soil, and crop pollination.
- ☀ Compared to agricultural production of row crops, stormwater runoff is reduced with the siting of solar facilities due to establishment of meadow habitat within the array areas.
- ☀ In addition to superior stormwater management, establishment of native plants improves the soil's organic matter over the 20- to 30-year life of the project, allowing microorganisms and soil fauna to recover after years of intensive farming.



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Climate Change

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Hecate actively supports clean, renewable energy to combat climate change.

- ☀ The Project will provide clean, renewable electricity that helps stabilize utility bills as it combats climate change.
- ☀ The Project pays particular attention to the solar farm's design, balancing our states's clean energy needs with interest to the local community.
- ☀ The Project will offset over 85,745 tons of CO₂ per year, equivalent to taking 18,205 average cars off the road.



New York state has set some of the nation's most ambitious goals for fighting climate change.

- ☀ The new law requires electric utilities to procure at least 6,000 megawatts of solar power by 2025.

New York's Renewable Energy Goals

New York generated about 206 million metric tons of greenhouse gas emissions in 2016

New York has considerable work to do to achieve the targets of the Climate Leadership & Community Protection Act (CLCPA)

CLCPA goals:

70% Renewable Energy by 2030

100% Zero-Carbon Emission Electric Sector by 2040

"We acknowledge these goals are extremely ambitious. They need to be in order to meet the level of greenhouse gas reduction scientists tell us is necessary to avert the worst impacts of climate change. And we acknowledge there is not a playbook we can pull off the shelf for how to decarbonize the world's 13th-largest economy. New York is committed to writing that playbook, to not only having a vision but backing it up with concrete plans."

*Alicia Barton
New York State Energy Research & Development Authority
(NYSERDA)*

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Hecate Energy is a leader in developing clean, renewable energy to combat climate change.



Community Partnership

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Hecate Energy strives to collaborate with host communities to help better the lives of it's citizens.

What projects would you most like to see Hecate sponsor in the this community?



Local Food Bank



Wildlife Trails



Coronavirus recovery fund



Rail Trail



Weekend Music Sponsorship



Public Access Points on the River



A Community Garden



Other



Sidewalks



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