

COVID-19 PROTOCOLS

Please sign in with the desk.

For the safety of all participants, Liberty is tracking attendees in the case of exposure to Covid-19.

Liberty will be limiting the amount of people within the session to 25.

Although the State Mask Mandate has been removed, it is still recommended to wear a mask during the event.

Maintain 6 ft. of physical distancing and stay with household members as much as possible during the session.

Please sanitize your hands prior to entering.



MINONK SOLAR PROJECT

THANK YOU FOR COMING

to the
Minonk Solar Project
Public Information Meeting.

BEFORE YOU LEAVE

Please complete a comment card, or
send your comments by mail or email.

HAVE QUESTIONS?

Email Us:

Minonk.SolarProject@libertyutilities.com

Mail Us:

2856 County Rd 2000 N, Minonk, IL 61760

Call Us:

1 (833) 690-0194

COMPANY HISTORY

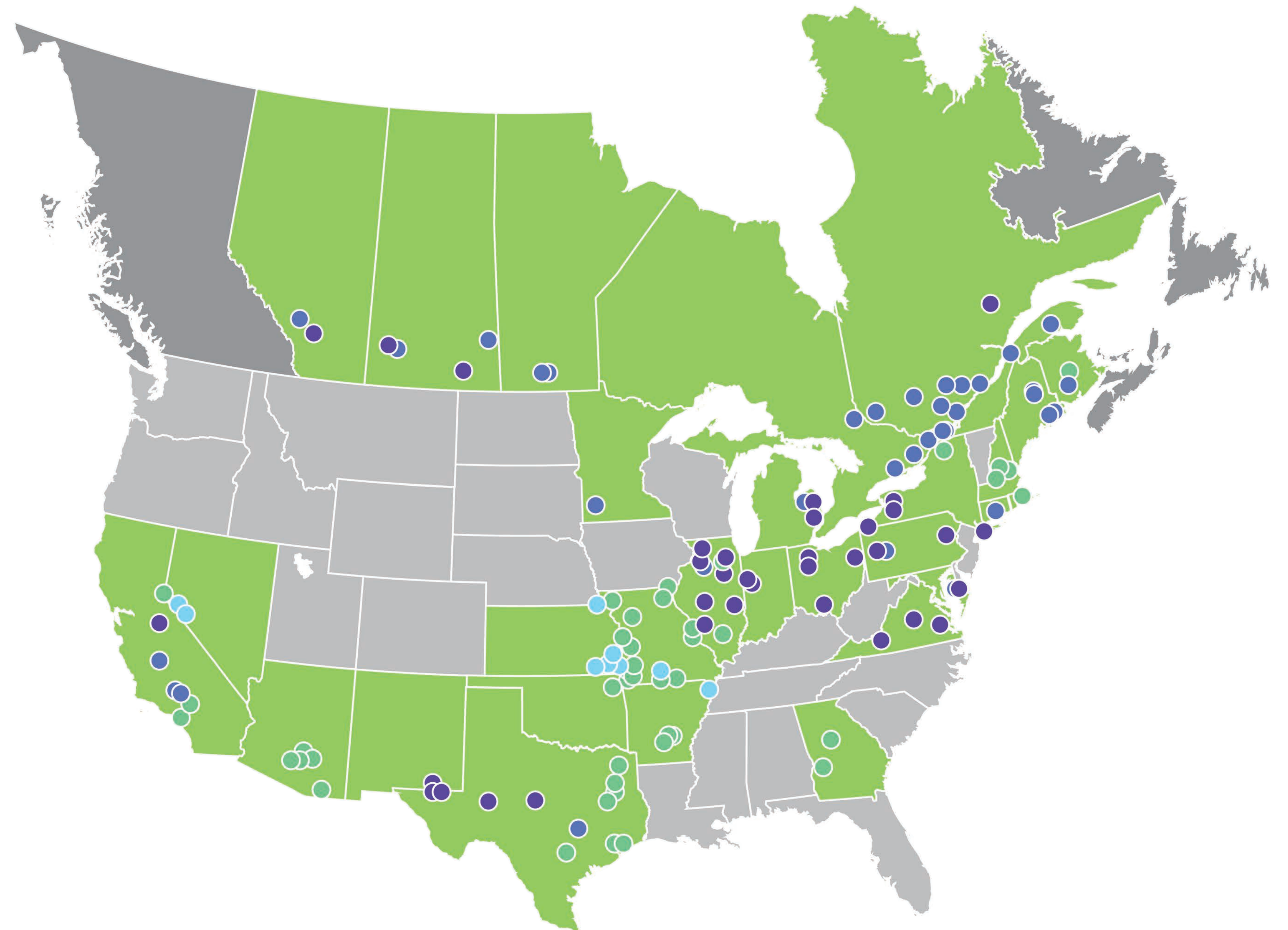
Algonquin Power & Utilities Corp. (Algonquin) was established in 1988 as a developer of small hydro projects in Ontario.





Algonquin was publicly listed as a common share on the Toronto Stock Exchange in 1997 and in 2016, was publicly listed as a common share on the New York Stock Exchange.

Since then, Algonquin has expanded into the utility business through Liberty Utilities, and has become a market leader in renewable generation through Liberty Power. Algonquin has operations spanning 16 jurisdictions with approximately 3400 employees.



Through our operating business (Liberty), we provide regulated water, electricity, and natural gas utility services to over 1 million customer connections, primarily in North America. And, our growing portfolio of clean, renewable wind, solar, hydro and thermal power generation facilities represents over 3 GW of renewables in operation and under construction. We are supported by more than 3,400 skilled and motivated employees who work within our Regulated Services and Renewable Energy Groups.



LEGEND	
	Transmission and Distribution Utility
	Rate-based Generation
	Operating Facility
	Development Project

RENEWABLE ENERGY PROJECTS



Newmarket Solar (100 MW)
Highland County, Ohio
Under Construction



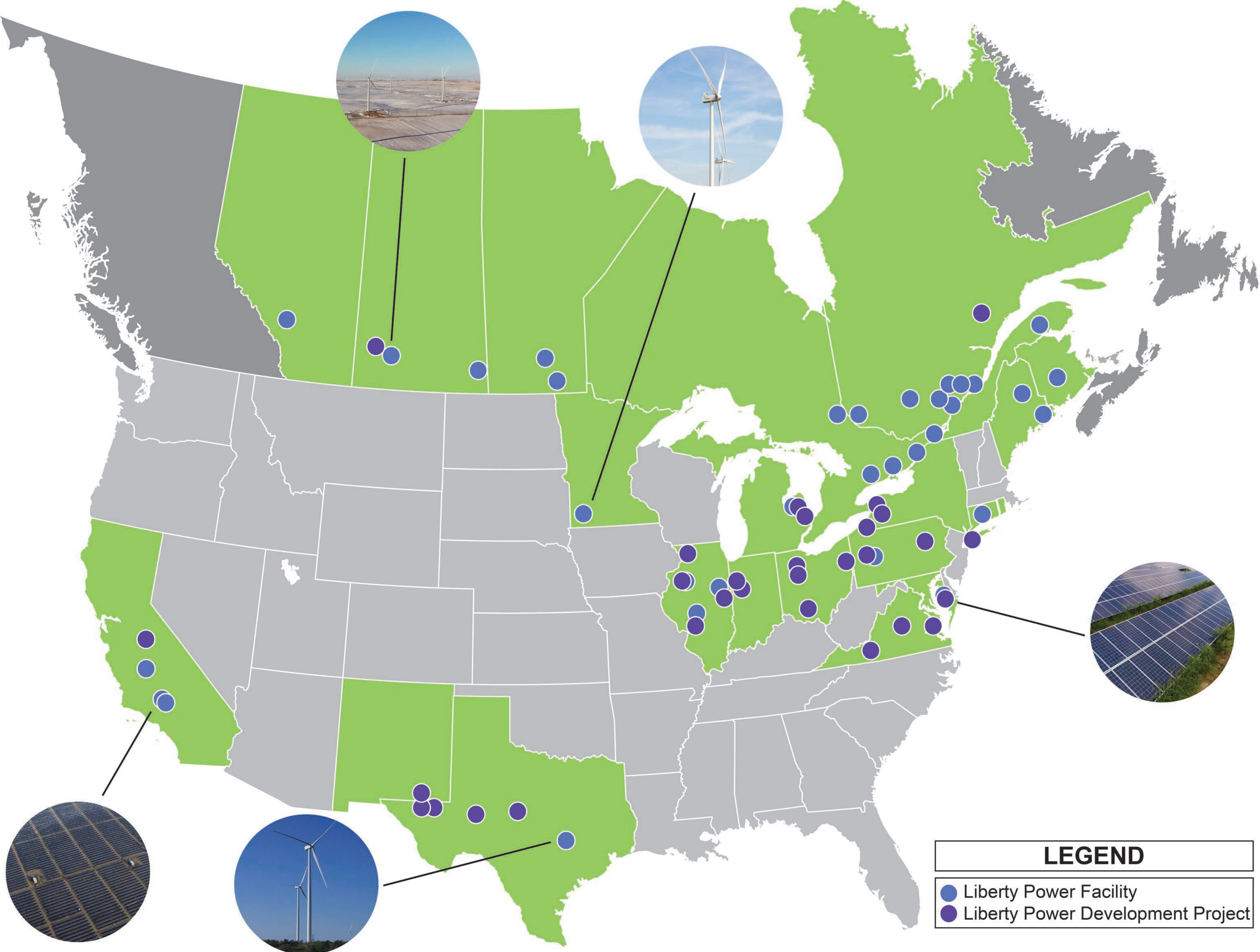
Great Bay Solar Project (118 MW)
Westover, Maryland



5 Community Solar Projects (up to 20 MW each)
New York



Altavista Solar (80 MW)
Lynch Station, Virginia



LEGEND	
●	Liberty Power Facility
●	Liberty Power Development Project

PROJECT OVERVIEW

Name: Minonk Solar Project

Type of Facility:
Photovoltaic ("PV") electric generation facility and Battery Energy Storage System ("BESS")

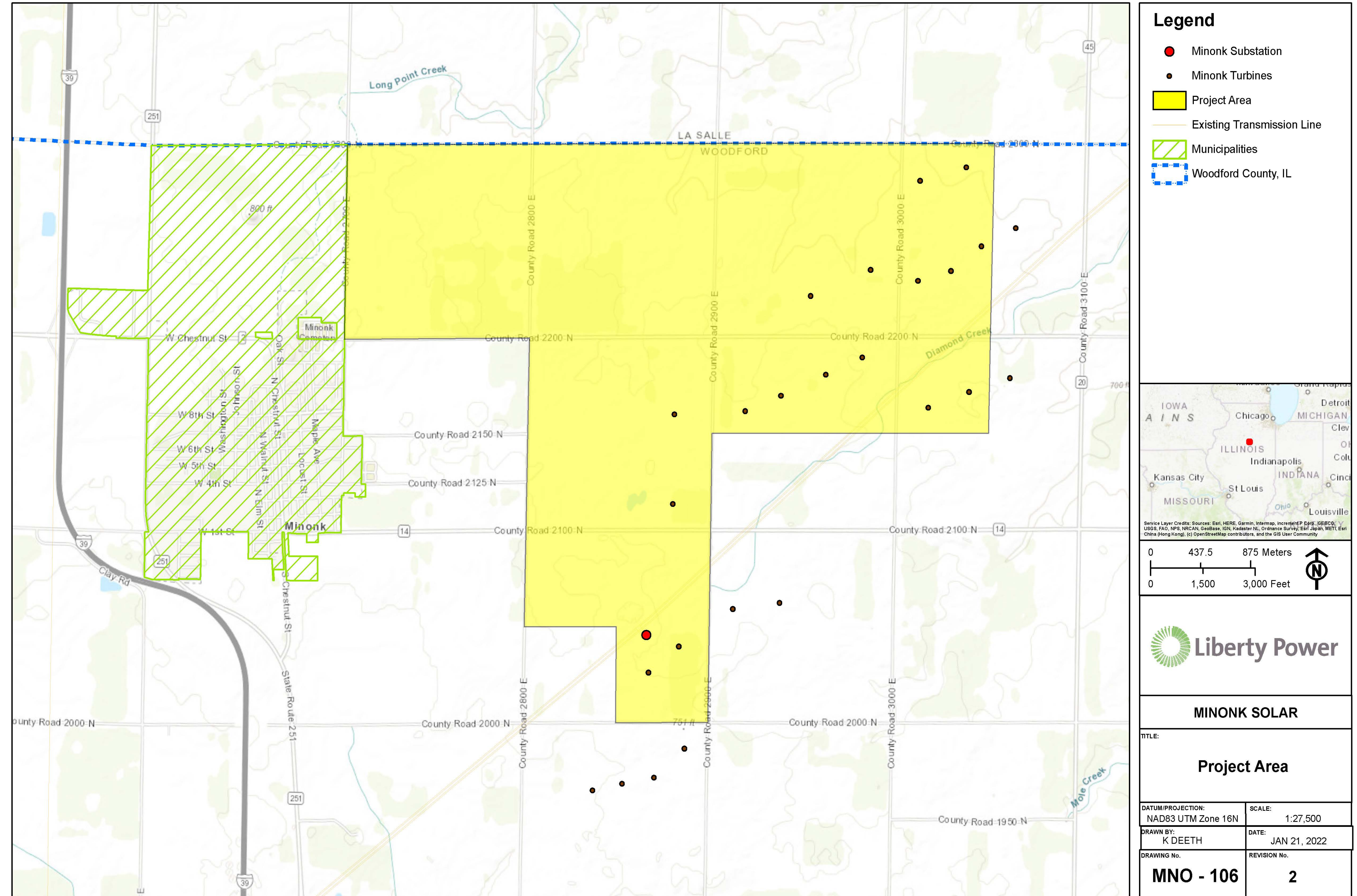
Location: Northeast corner of Woodford County, near the City of Minonk

Nameplate Capacity: up to 200 MW AC + 50 MW Battery Energy Storage System

Number of Acres: approximately 2,000 acres of agricultural and pasture land

Operation Length: 35 years

Technology:
Single-Axis Tracker



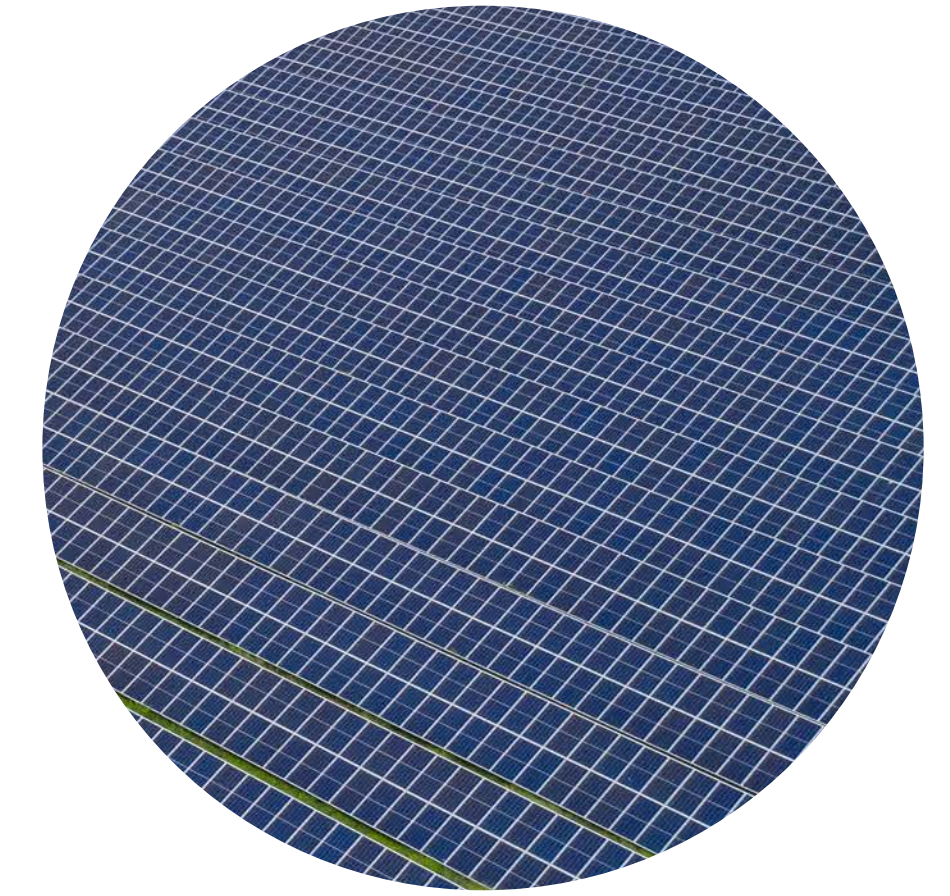
PROPOSED PROJECT TIMELINE



2020 – 2021
Community and
Landowner Consultation
Land Acquisitions



2021 – 2023
Woodford County
Special Use Permit
Environmental & Engineering
Surveys & Studies



2026
Target
Commercial
Operation Date
("PV" Site)



2020
Project
Origination



2020 – 2022
Interconnection Application
Project Open House



2023 – 2024
Final Design
Notice to Proceed
to Construction



PERMITTING AND SITING PROCESS



During the permitting and siting process, various local, state and federal agencies are consulted & engaged. These may include:



US Army Corps of Engineers®



FEMA



HISTORIC Preservation DIVISION



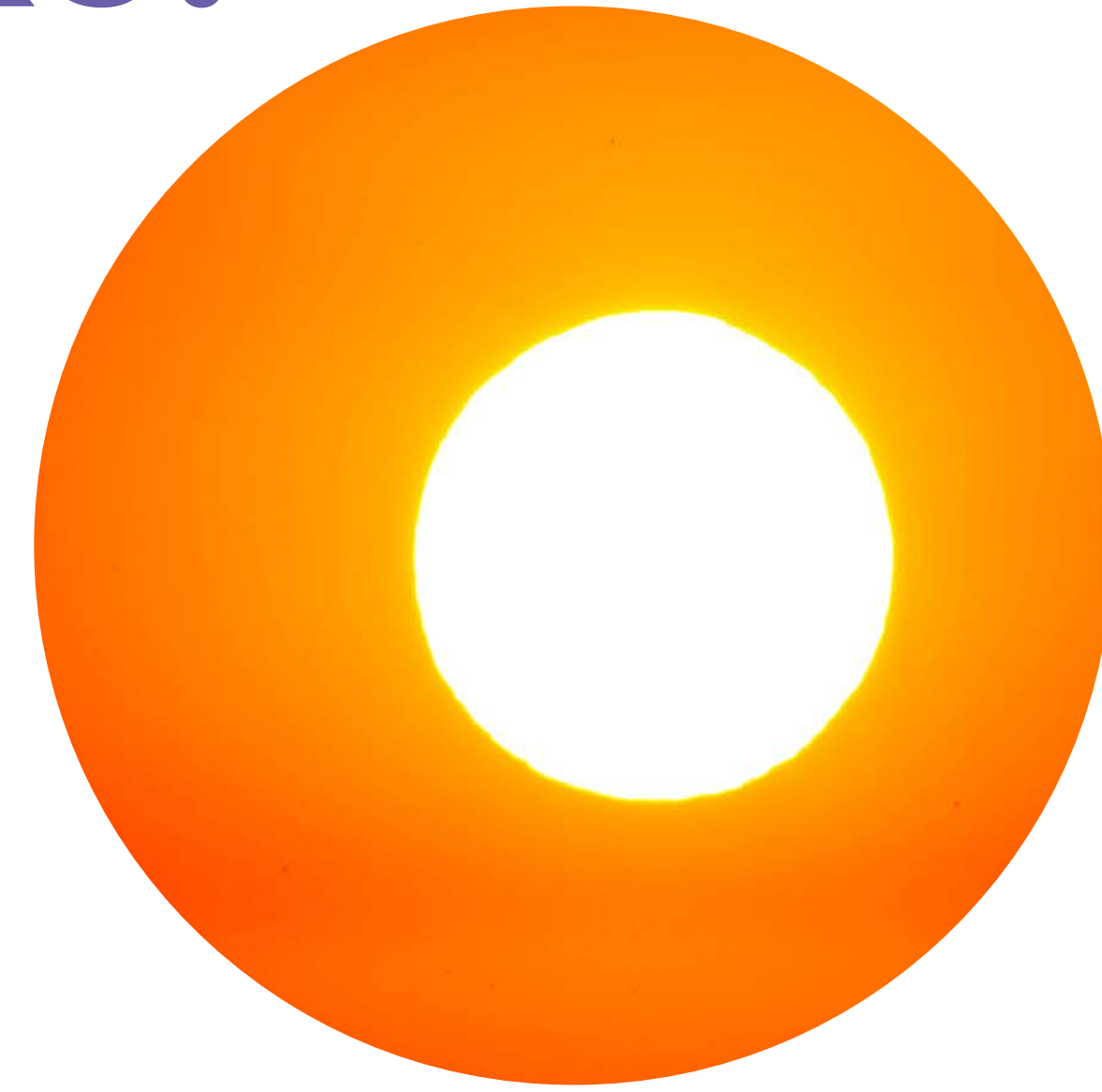
SURVEYS REQUIRED FOR DEVELOPING A SOLAR PROJECT

CIVIL	CULTURAL	SOCIOECONOMIC TRANSPORTATION	ENVIRONMENTAL ECOLOGICAL	INTERCONNECTION	LAND & TITLE
Drain Tile Mapping	Literature Review	Transportation Study	Critical Issues / Constraints Analysis	Feasibility Study	Title Commitments
Hydrology Assessment	Architectural/History Literature Review	Decommissioning Plan	Phase 1 Environmental Site Assessment	System Impact Study	ALTA Survey
Geotechnical Study	SHPO Approval of Work Plans		Threatened & Endangered Species	Facilities Study	Leases & Easements
Culvert Inventory	Phase 1 Archaeological Survey		Wetland Delineation	Affected Systems Studies	
	Phase 1 Architectural History Survey		Glint & Glare Analysis		
			Sound Level Assessment		

HOW SOLAR WORKS?

1

When a solar panel is exposed to sunlight, the panel absorbs the released photons.



2

Photons dislodge the electrons from atoms in the photovoltaic (PV) cell and start a flow of electrons.



3

Direct current (DC) flows from the panel to an inverter that turns it to alternating current (AC).



4

Underground collector lines carry the current to the transformers which increase the voltage and distribute the power onto the electric grid.



5

The produced electricity travels across transmission lines and distribution systems to reach the point of end use.



6

Electricity is then consumed by the user.

CONSTRUCTION OVERVIEW

Construction Timeline: 8 to 12 months

Major Construction Activities:

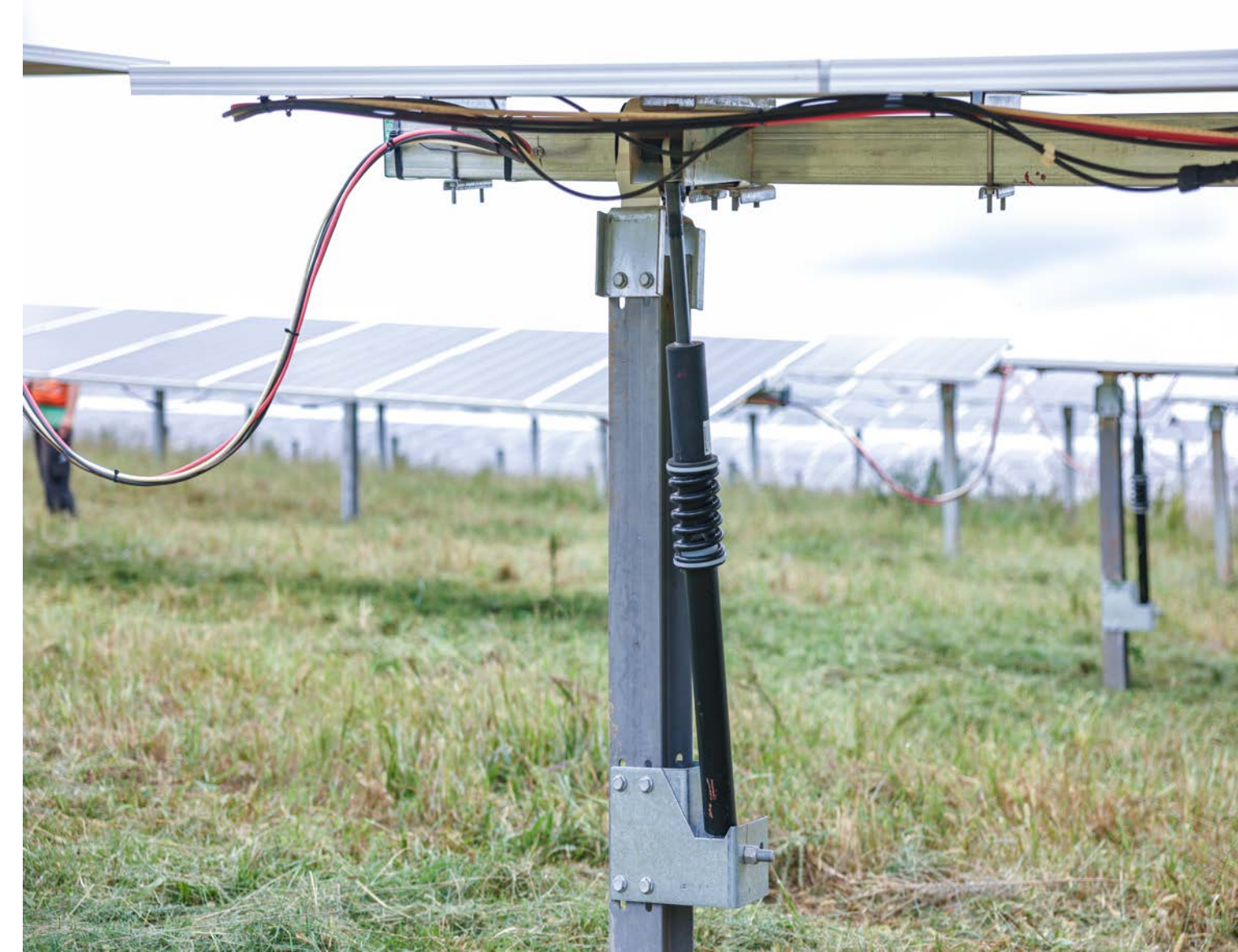
- Delivery of Equipment and Components
- Piling Installations
- Cable Trenching

Pilings and Racking:

- Piles driven into ground 6–10 feet.
- Racking mounted 6–10 feet, 10 feet at its highest point.
- Single Axis-Trackers which rotate east and west based on the position of the sun.

Solar Modules:

- Non-Reflective Material
- Spaced approximately 20 feet apart



COMMUNITY & ECONOMIC BENEFITS

TAX REVENUE

- Increased contribution to Township & County tax revenue & school boards

EMPLOYMENT

- Employment opportunities during construction and the projects operations phase

CONTRACT OPPORTUNITIES

- Economic offshoots for local businesses

LAND USE

- Allows land to return to agricultural use once the project is decommissioned

CAPITAL INFRASTRUCTURE

- Potential local infrastructure improvements for project & construction, such as upgrades to public roads used for project travel

CLEAN ELECTRICITY GENERATION

- Emissions-free electricity will be generated
- Greenhouse gas emissions will be offset annually



LOCAL COMMUNITY SUPPORT OPPORTUNITIES

Liberty is always looking for ways to partner with the community through donations, community events, and sponsorships.

Past Examples:

- Lions Club
- Fire Departments
- 4-H Fairs & Clubs
- Foodbank Drives
- Sports Teams
- Local Businesses
- Scholarships
- County Fairs
- Foundations
- Hospitals
- High School Programs



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or fill out a comment card.

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We appreciate you taking the time to
come & learn about our proposed project!

NEXT STEPS

- 1) Evaluate feedback from Community.
- 2) Further consultation.
- 3) Submission of Special Use Permit Application.