



# Proposed Hamblen County Solar Site

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# Liberty's Tennessee Solar Team



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# Algonquin Power

## WHO WE ARE

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.

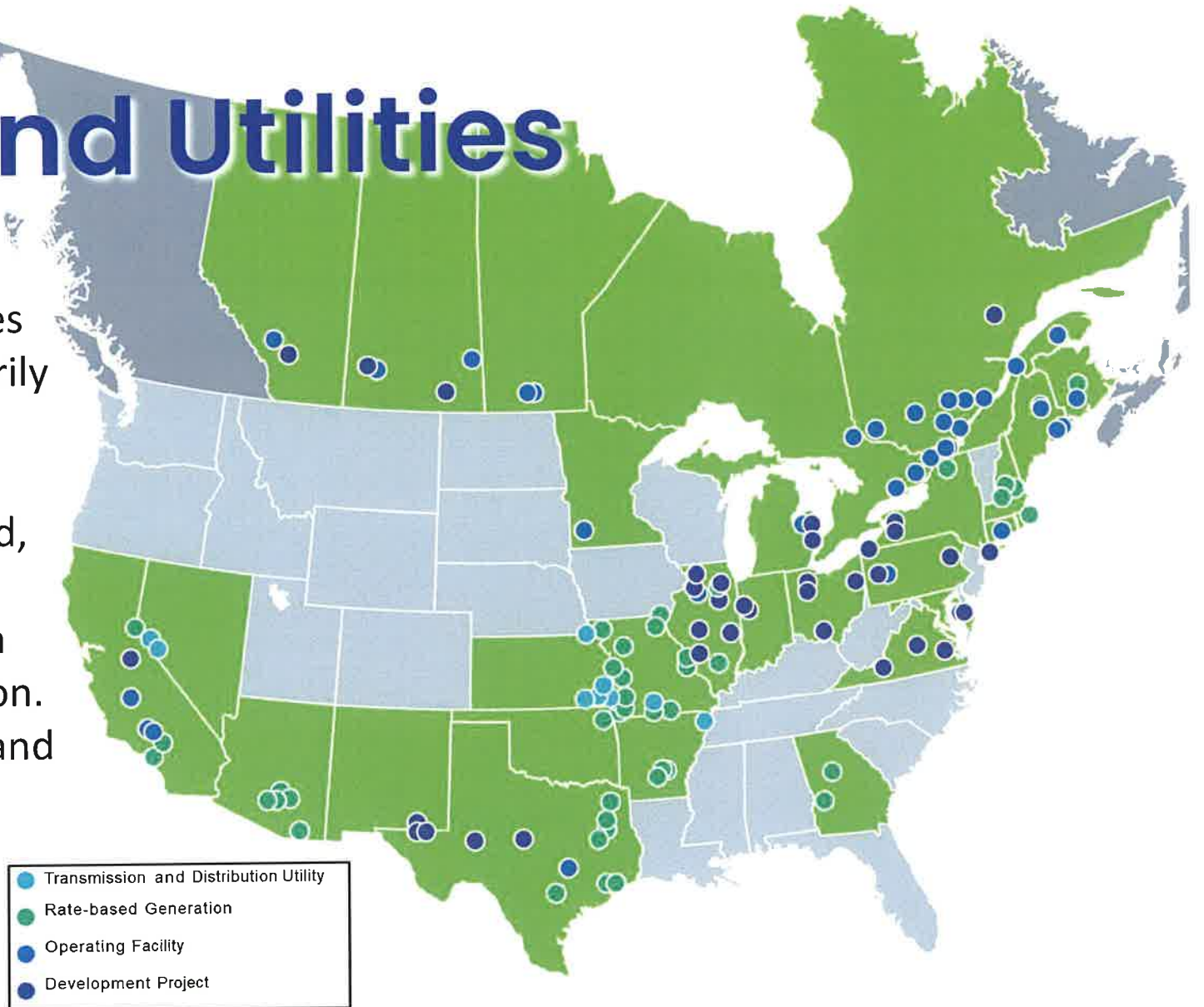
Since then, Algonquin has expanded into the utility business through **Liberty Utilities** and has become a market leader in renewable generation through **Liberty Power**. Combined, Algonquin Power and Utilities maintains over U.S. \$17 billion of assets across North America and internationally.



# Liberty Power and Utilities

Liberty Power and Utilities provides regulated water, electricity, and natural gas utility services to over 1 million customer connections, primarily in North America.

Our growing portfolio of clean, renewable wind, solar, hydro and thermal power generation facilities represent over 4 GW of renewables in development, 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.



# RENEWABLE ENERGY PROJECTS AT A GLANCE



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



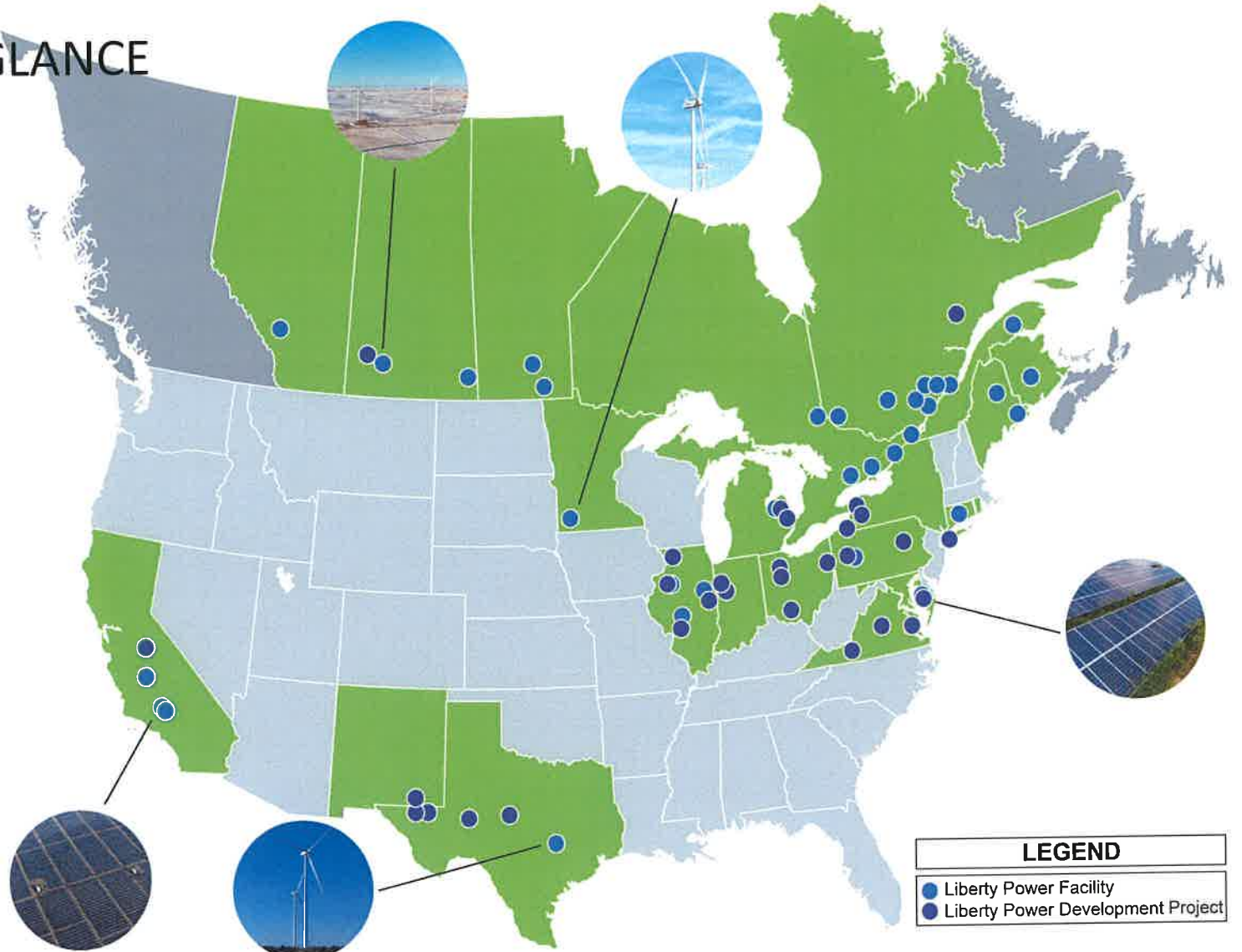
**Great Bay Solar Project (118 MW)**  
Westover, Maryland



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



**Altavista Solar (80 MW)**  
Lynch Station, Virginia



LEGEND	
<span style="color: green;">●</span>	Liberty Power Facility
<span style="color: blue;">●</span>	Liberty Power Development Project

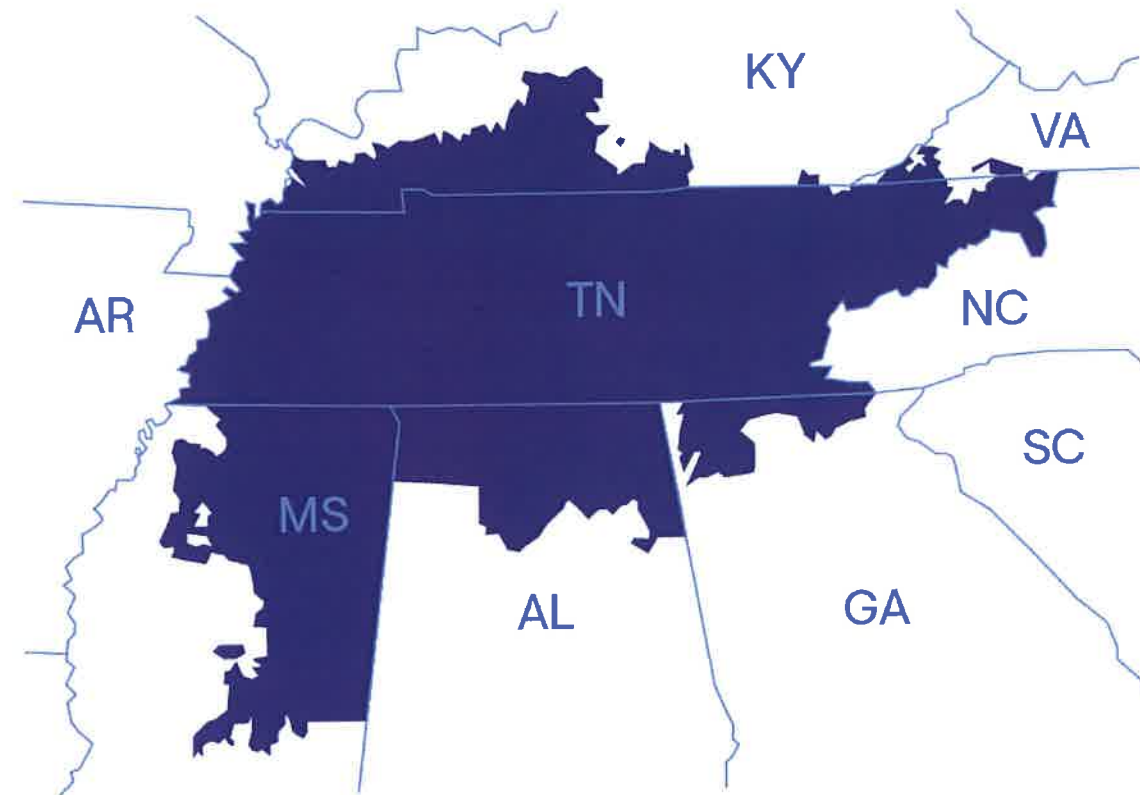


# Tennessee Valley Authority (TVA)

## RFP Process

- TVA set a goal of 10 GW (10,000 MW) of solar power capacity by 2035. This will be accomplished through a series of competitive Requests for Proposals (RFP)
- TVA's next RFP is anticipated to commence between end of 2023 to early 2024.
- Historically, TVA RFP processes have tight timelines and require full site control and preliminary environmental assessments prior to bid submission.
- Liberty is engaging counties early to determine potential solar sites prior to the release of the next competitive RFP.

## TVA Service Territory



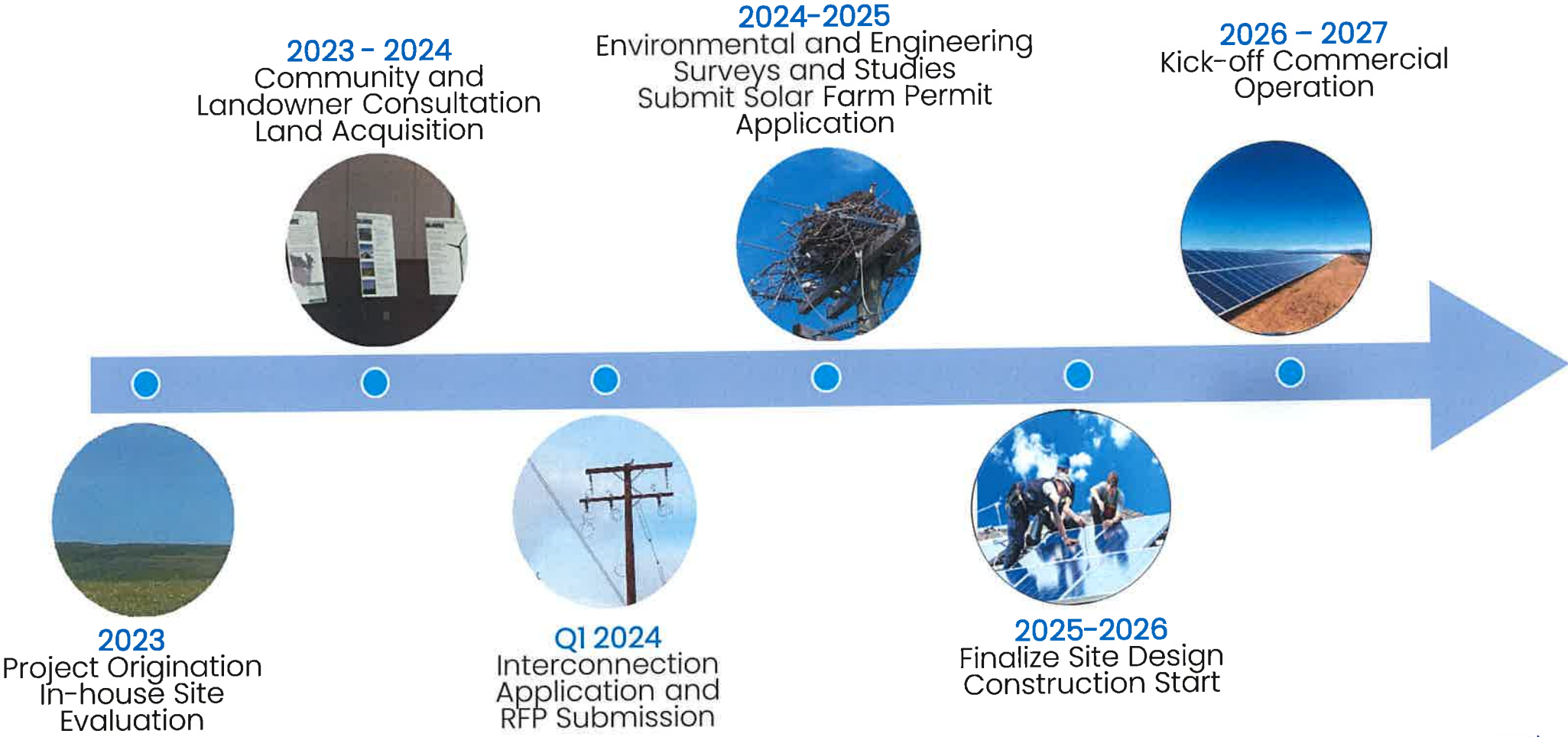
# Application for Solar Energy Project

## Hamblen County Zoning Resolution

- Required building and zoning applications to be submitted to the Hamblen County Regional Planning Commission for review and approval



# Anticipated Project Schedule\*



\*Note: Project timeline subject to change depending on TVA's next RFP requirements





# 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		



# Community & Economic Benefits

## TAX REVENUE

Increased contribution to County tax revenue & school boards

## EMPLOYMENT

Employment opportunities during construction and the projects operations phase

## CONTRACT OPPORTUNITIES

Economic offshoots for local businesses and USA-based consultants and engineers

## LAND USE

Allows land to return to agricultural use once the project is decommissioned; Soil health can improve over life of solar farm

## 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 include:

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



# Thank you!

Learn more about Liberty Power and Utilities at:  
<https://libertyutilities.com/renewables.html>

