

Atura Power

Nanticoke Energy Storage

Public Community Meeting




An opportunity to learn about the proposed project and share feedback.

Tuesday, October 17, 2023



Order of Events

Agenda

1. Introductions and Land Acknowledgement  Presentation is being recorded
2. Project and Proponent Information
3. Next Steps & Project Timeline  Materials will be available online
4. Question & Answer Period  Chat function is available for questions
5. Closing Comments



Land Acknowledgement

Atura Power respectfully acknowledges that the land on which Haldimand County sits is the ancestral land of many generations of Indigenous nations, who have been here since time immemorial.

Today, this land continues to be home to many Indigenous peoples, including the Six Nations of the Grand River, the Mississaugas of the Credit First Nation, the Haudenosaunee and the Métis, as well as non-Indigenous settlers from a variety of backgrounds. As a community, we have a shared responsibility for stewardship of the land on which we live and work.

Atura Power is committed to fostering positive and mutually beneficial relationships with Indigenous peoples and communities across Ontario, and work in allyship toward respective community goals and objectives, in peace, respect, and friendship.



About Atura Power

Atura Power's Fleet of Generation Assets

A subsidiary of Ontario Power Generation, Atura Power owns and operates Ontario's largest fleet of combined-cycle gas turbine power plants.



1. Brighton Beach Generating Station
Capacity 570 MW



2. Halton Hills Generating Station
Capacity 683 MW



3. Portlands Energy Centre
Capacity 550 MW



4. Napanee Generating Station
Capacity 900 MW



5. Napanee Battery Energy Storage System
Phase 1
Capacity 250 MW



6. Oakville Head Office



Comments or questions can be sent to: nanticokeenergystorage@aturapower.com

Project Need

- The Independent Electricity System Operator (IESO) is the Crown corporation responsible for operating the province's electricity system
- Ontario is entering a period of emerging electricity system needs; IESO forecasts that an additional 4,000 MW are needed by the end of the decade
- The IESO is implementing procurement processes to secure new electricity resources that could be in service by 2027-2028; Atura Power has qualified in IESO's Long-Term 1 (LT1) procurement process
- The proposed Nanticoke Energy Storage system project are part of Atura Power's efforts to increase Ontario's electricity supply, support grid reliability, and help us get to net-zero



Project Technology

Project Benefits

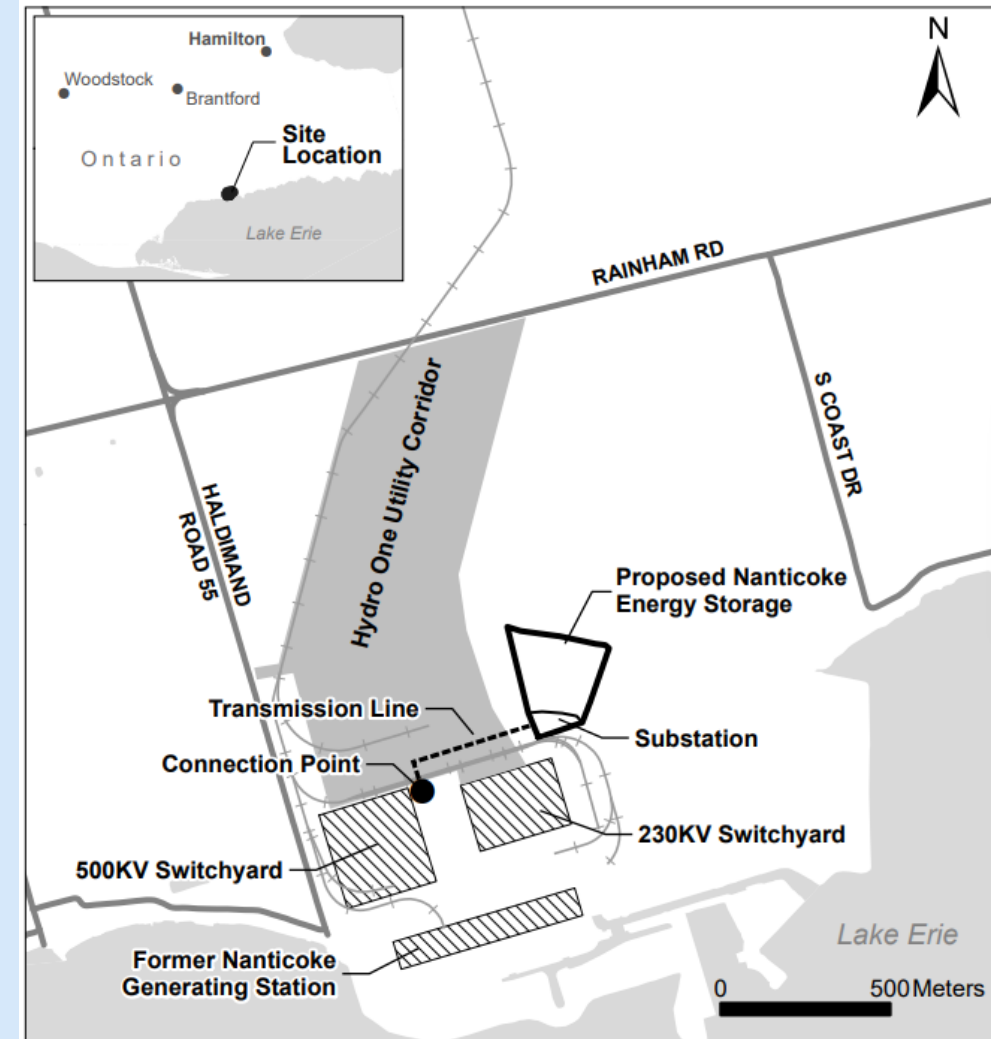
- Supports year-round electricity generation and storage capacity, preventing blackouts and brownouts in the community and beyond

Project Capacity

- Store and output up to **449 MW** of electricity for up to four hours

Project Location

- The project will be located north of the former Nanticoke Generating Station between Haldimand Road and South Coast Drive
- **No expansion will be required outside of previously zoned areas**

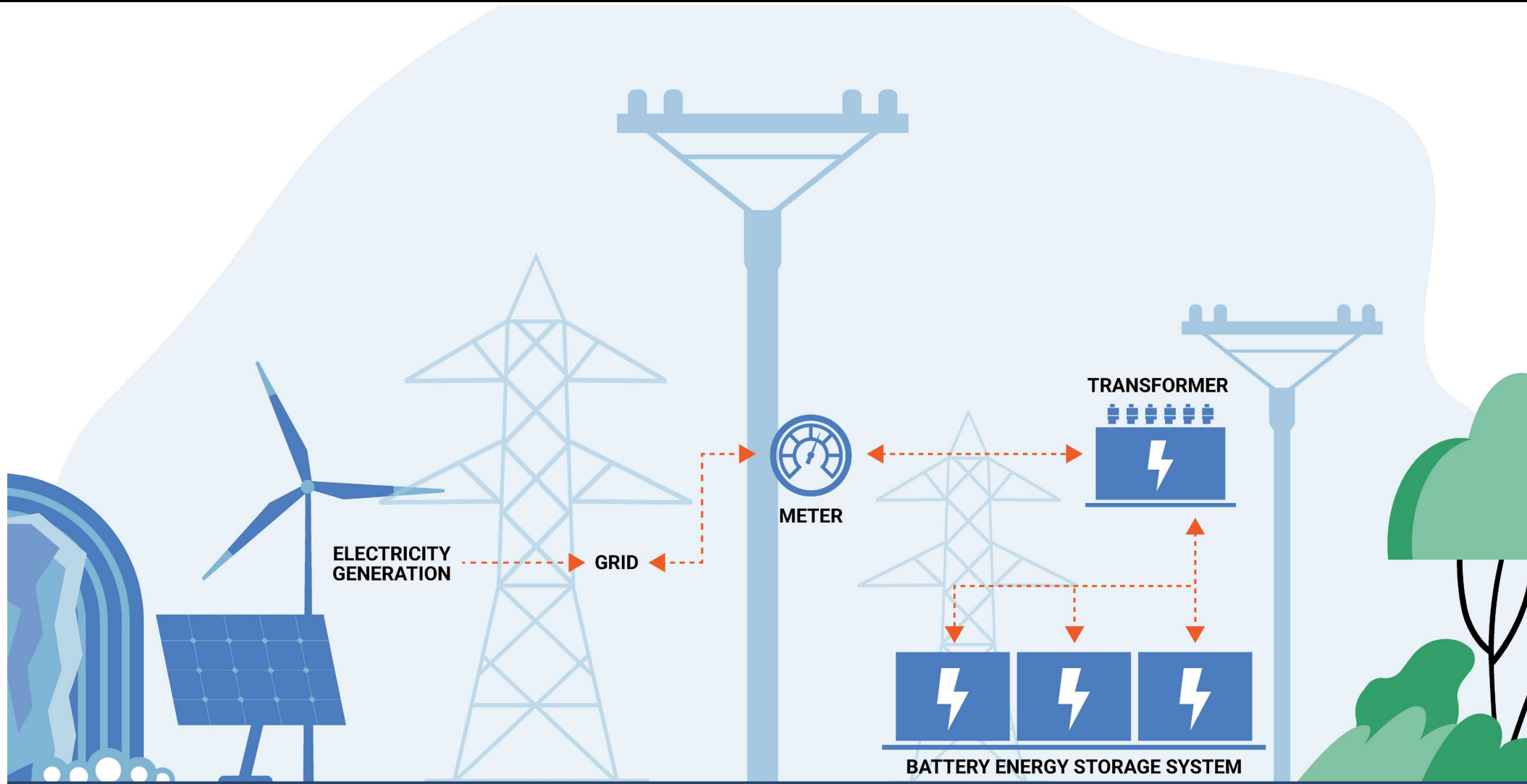


Energy Storage System

- The **Energy Storage system** will include:
 - Lithium-ion battery units
 - A system that will convert electrical alternating current (AC) to direct current (DC) for battery storage
 - Transmission connection
 - Transformers
 - Emergency power and support buildings
 - On-site operation and monitoring
- Battery units will charge during periods of low demand and be available to the grid during periods of high demand



How Energy Storage Works



Comments or questions can be sent to: nanticokeenergystorage@aturapower.com

Timeline

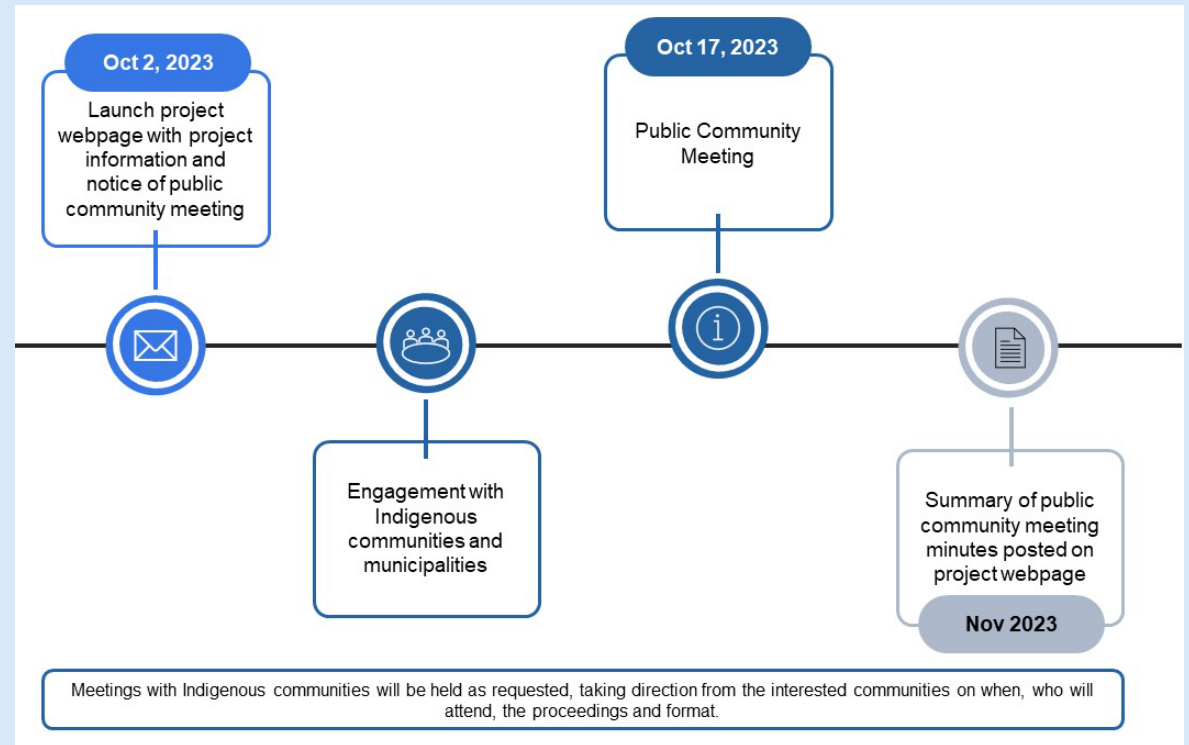
Activity	Timeline
LT1 Proposal Submission	December 2023
IESO Contract Offer Announcement	May 2024
Target Construction Start	2025
Operations	2027

- Atura Power will complete a project-specific Environmental Assessment process and obtain the necessary permits and approvals prior to construction
- Indigenous and public engagement will remain a priority and continue during the next phase of the project



Next Steps

- Meeting materials including a summary of questions and responses will be posted to the project webpage
- Atura Power is also engaging with Haldimand Council
- The Nanticoke BESS LT1 proposal will be submitted to the IESO in December



Question & Answer Period

**We now invite you to
share your questions and
comments**



Comments or questions can be sent to: nanticokeenergystorage@aturapower.com

Thank You

Please email the project contacts or visit the project
webpage for more information:

nanticokeenergystorage@aturapower.com

