

**Atura Power**

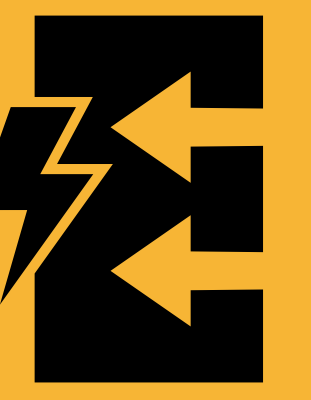
# **Napanee Battery Energy Storage System Phase 2**

Learn about the project and share  
feedback

June 26, 2025 | Public Meeting



# Land Acknowledgement



The proposed Napanee Battery Energy Storage System Phase 2 project is on land that is in the traditional and treaty territory of the Mississauga Anishinaabeg.

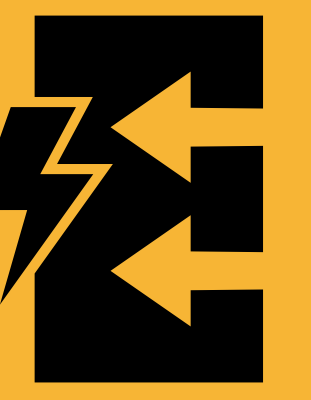
We also acknowledge the Chippewas of Georgina Island First Nation, Chippewas of Rama First Nation, and Beausoleil First Nation as signatories of the Williams Treaties.

The Mohawks of the Bay of Quinte, whose treaty territory is in neighbouring Tyendinaga, are recognized, along with the understanding that these lands have been home to many Indigenous peoples over the centuries, including the Huron-Wendat, Métis, and Haudenosaunee.

Atura Power is committed to fostering positive and mutually-beneficial relationships with Indigenous peoples and communities in peace, respect, and friendship.



# Welcome!



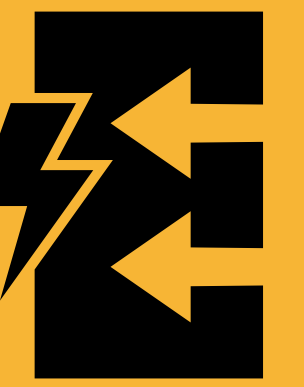
## Purpose of Meeting:

- Build relationships
- Share information about Napanee BESS Phase 2
- Answer questions and receive feedback



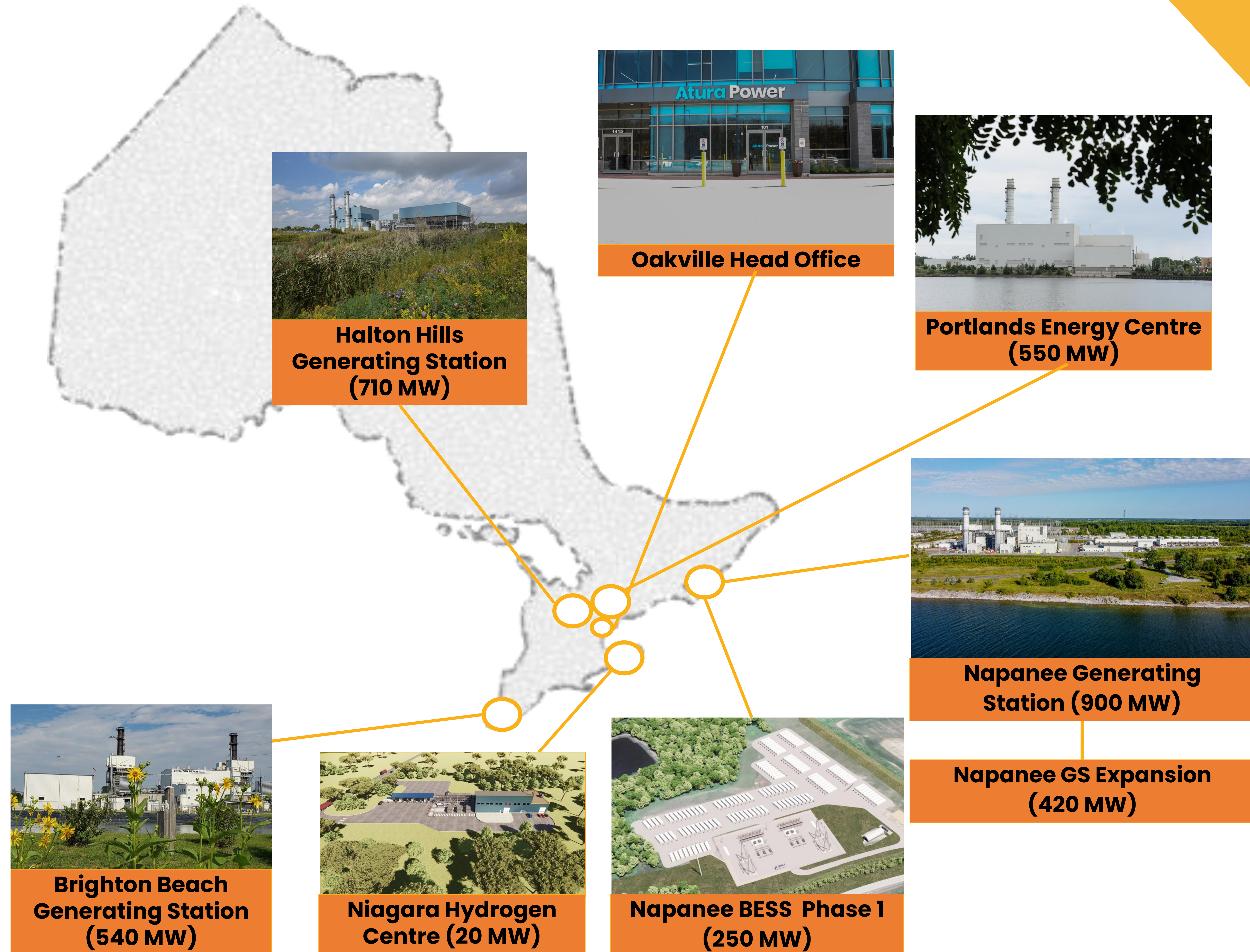


# Who We Are



**Atura Power plays a key role in Ontario's electricity system by generating safe and reliable electricity.**

- Subsidiary of Ontario Power Generation (OPG)
- Owns and operates largest fleet of combined-cycle gas turbine electricity generating stations
- Developing new clean-energy projects including battery energy storage and hydrogen



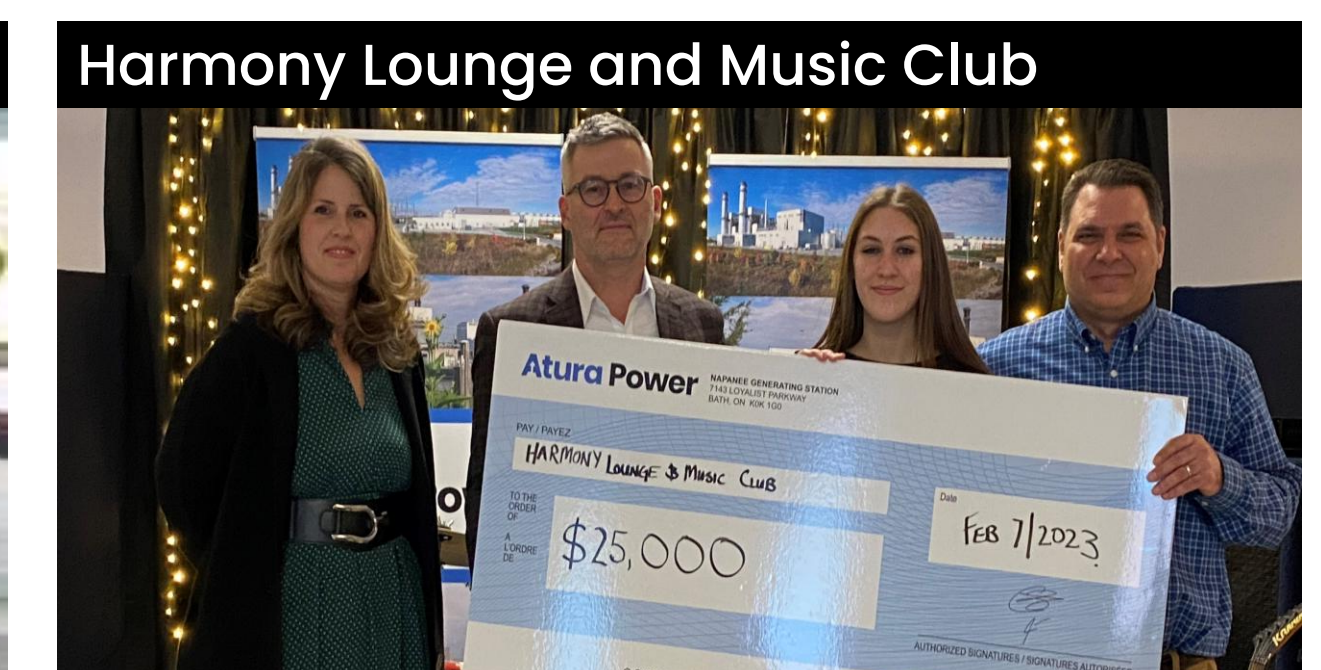


# Community Outreach and Support



Atura Power is an engaged community partner and supporter of Greater Napanee. We donated more than \$300,000 to organizations between 2022 and 2024 through the Atura Power Community Development Fund, including:

- Lennox and Addington County General Hospital Foundation
- Harmony Lounge & Music Club
- Royal Canadian Legion Branch 137
- Napanee Crunch Female Hockey Association
- Softball Napanee
- United Empire Loyalist Heritage Centre & Park
- Napanee District Secondary School
- Morningstar Mission





# Project Need

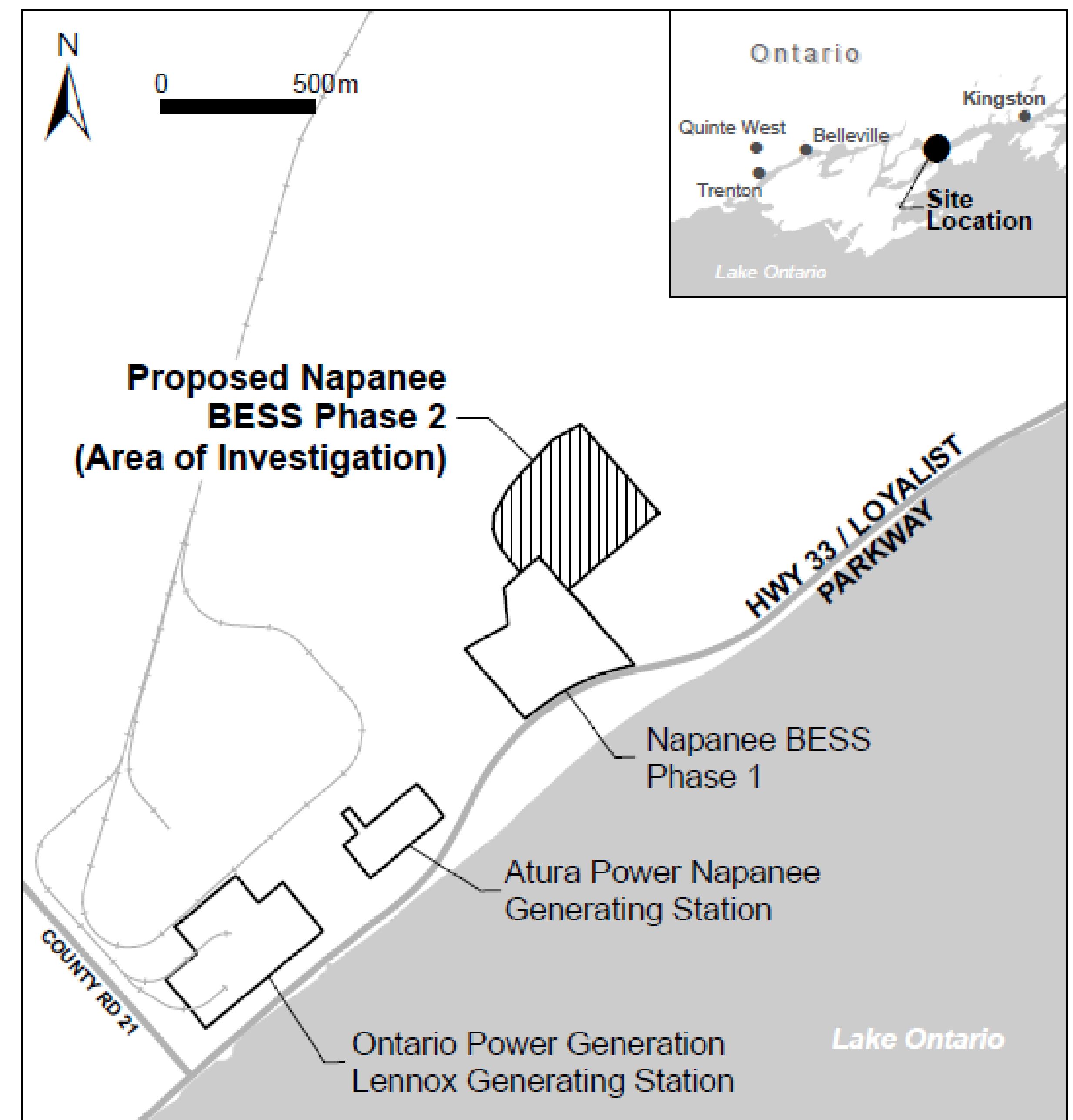
**According to Ontario's Independent Electricity System Operator (IESO), the province's demand for electricity will increase 75 per cent by 2050.**

Ontario is increasing its capacity for renewable energy sources – including energy storage systems – to meet this growing electricity need.

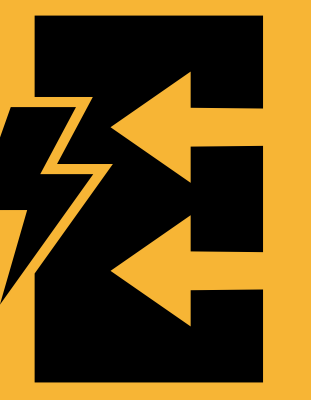
Napanee BESS Phase 2 will support a more reliable grid, providing power when it is needed most.

Napanee BESS Phase 2 will store power in periods of low demand and provide peaking power during times of high demand for up to eight hours.

**Did you know?** Battery energy storage complements other forms of electricity production, including solar and wind, creating a grid that is both reliable and flexible in its use of energy sources.



# IESO Long-Term 2 Procurement



- Atura Power is proposing Napanee BESS Phase 2 through IESO Long-Term 2 (LT2) procurement
- Securing new electricity resources helps meet growing demand and ensures reliability and affordable electricity
- The IESO is requesting proposals for 20-year energy contracts
- LT2 procurement requirements include:
  - Location outside of Specialty Crop Areas
  - Municipal Support Resolution from host community
  - Meeting connection point and capacity requirements



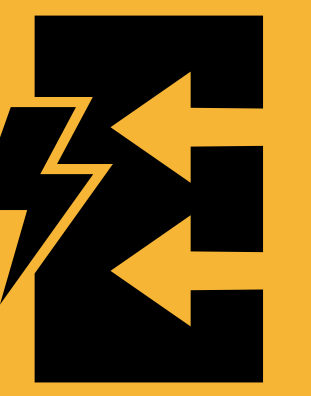




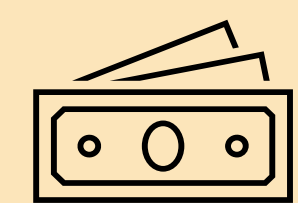
**Energy  
Storage**



# Community & Economic Benefits



**Napanee BESS Phase 2** contributes to capital investment in the Town of Greater Napanee and will create many community and economic benefits including:



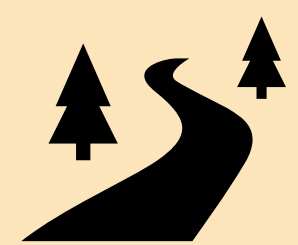
Township and County Tax Revenue

**Increase municipal tax revenue**, supporting economic opportunities and growth for local businesses



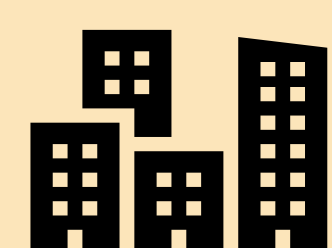
Employment and Contract Opportunities

Creation of **local and full-time employment** throughout construction, operations and maintenance



Capital Infrastructure

Potential infrastructure improvements such as **upgrades to public roads** where necessary for project construction



Utilising Existing Land Use Zoning

Located within the Lennox Generating Station Industrial Development Area **used for power generation**

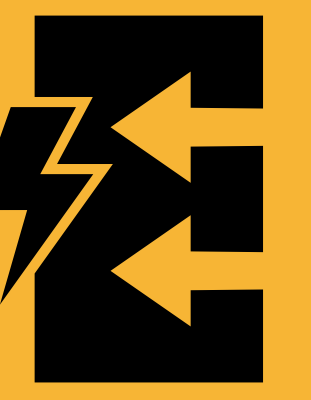


Clean Electricity

**Improves** electricity grid **reliability and efficiency** by shifting surplus overnight electricity production to daytime periods

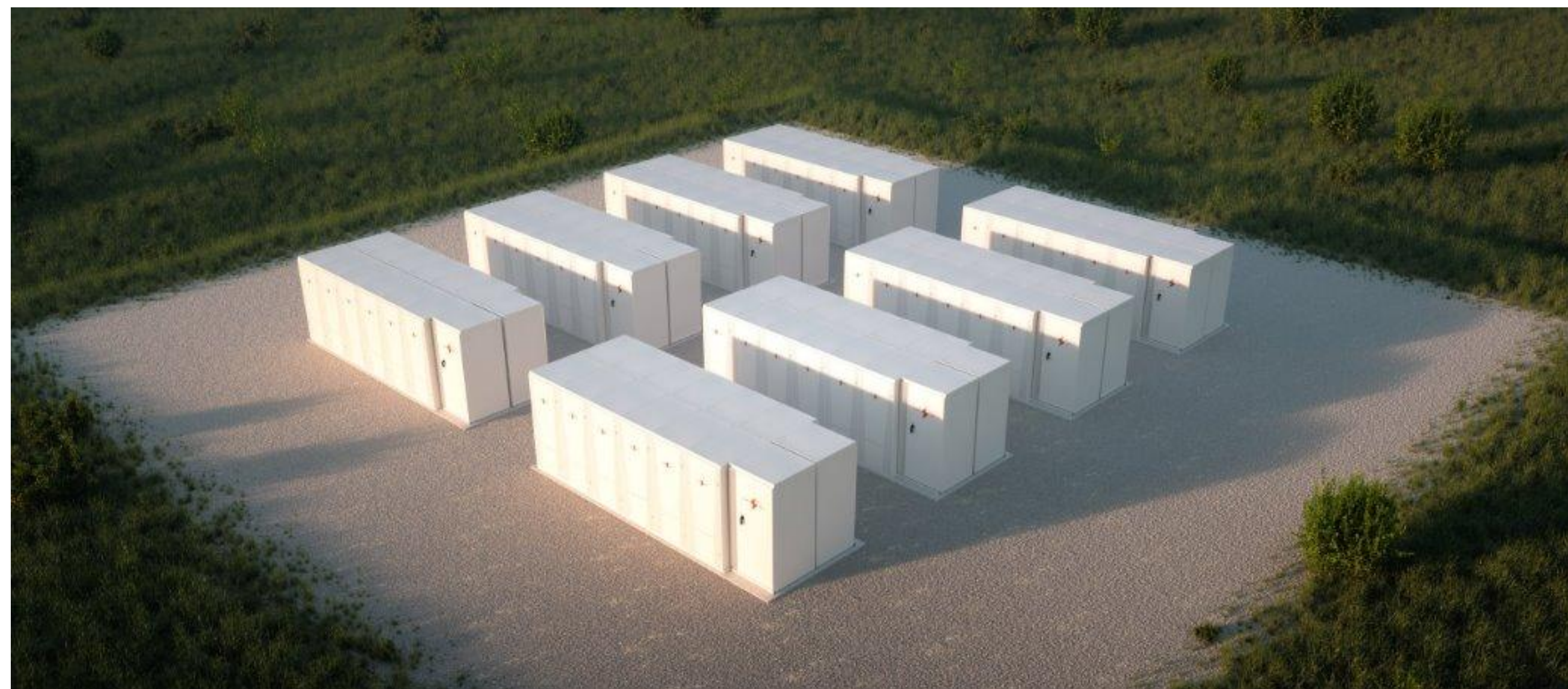


# Project Technology



**Napanee BESS Phase 2** will include:

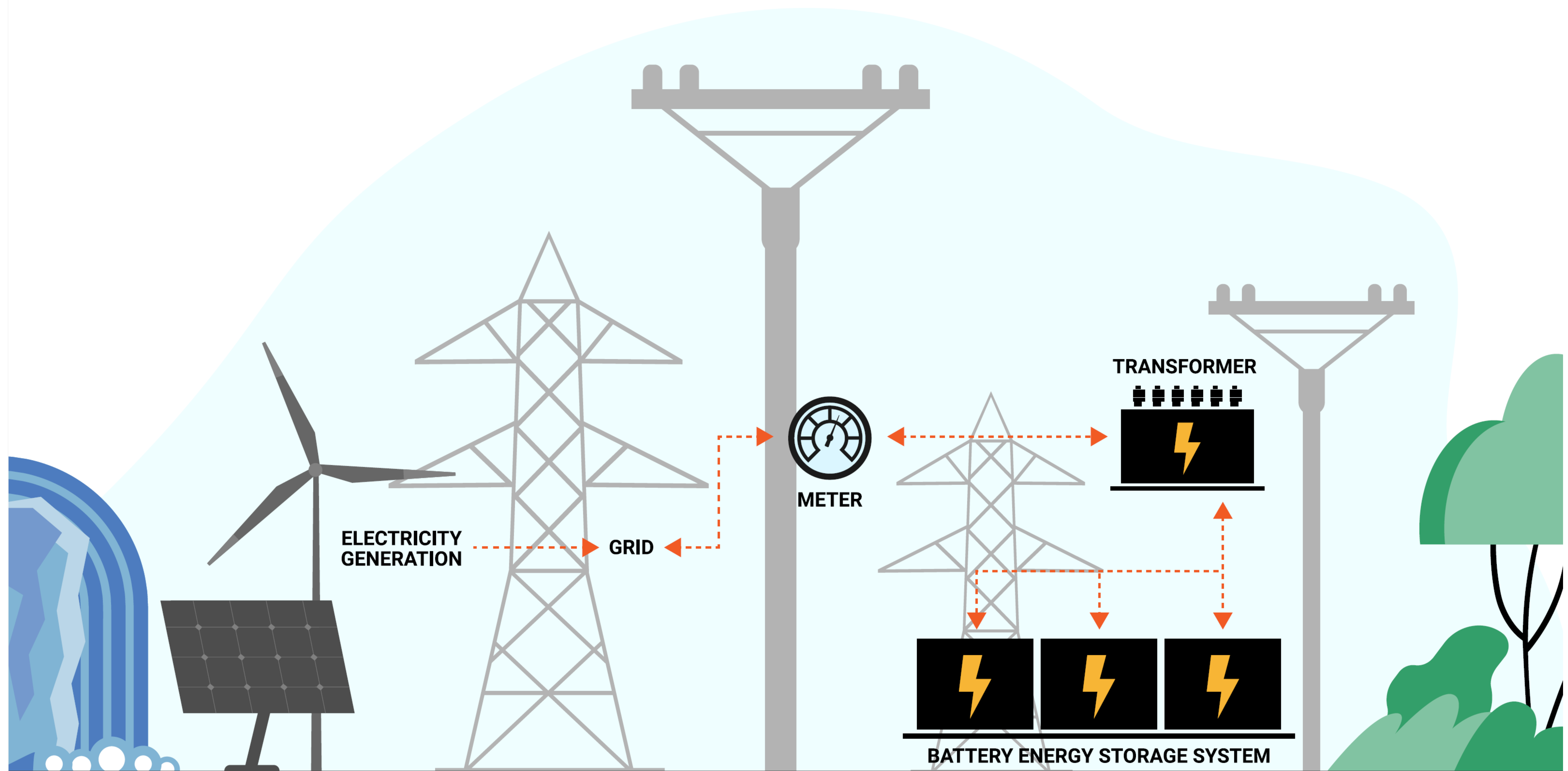
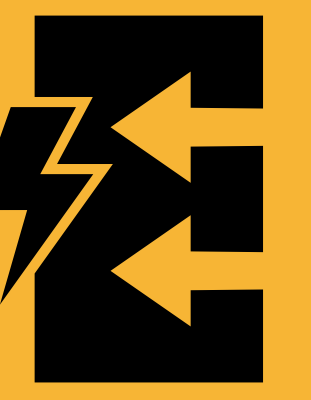
- Lithium-ion battery units
- System converting electrical alternating current to direct current
- Transmission connection and transformers
- Emergency power and support buildings
- On-site operation and monitoring



**Pictured:** Conceptual picture of a BESS

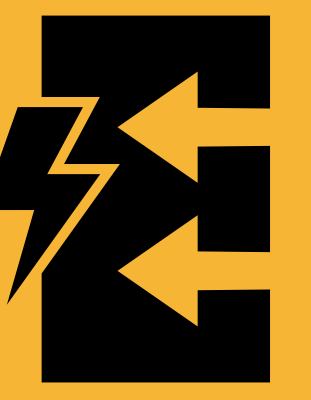


# How Battery Energy Storage Works





# Environmental Assessment & Permitting



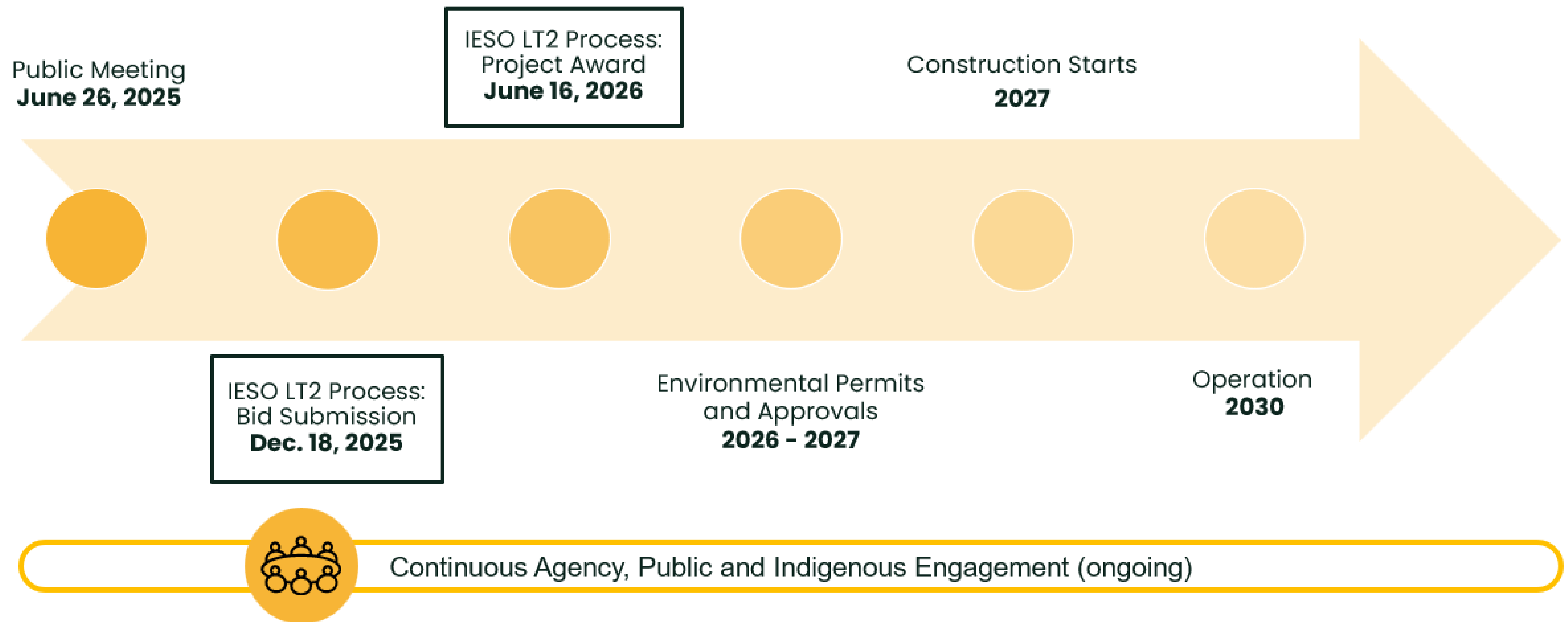
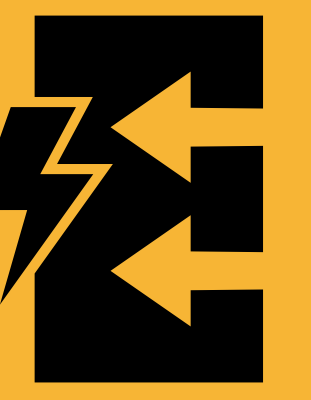
Atura Power will complete an environmental screening or assessment under the *Class Environmental Assessment for Transmission Facilities* if contracted by the IESO. Atura Power will also obtain environmental approvals and permits prior to construction, including:

- ✓ Archaeological clearance
- ✓ Cultural Heritage Study
- ✓ Environmental Compliance Approval for stormwater management
- ✓ Municipal Site Plan Approval
- ✓ Cataraqui Regional Conservation Authority permit
- ✓ Environmental Activity and Sector Registry for noise
- ✓ Ministry of Transportation approval for works near the provincial highway

Atura Power is engaging with Indigenous communities and all stakeholders throughout the project.



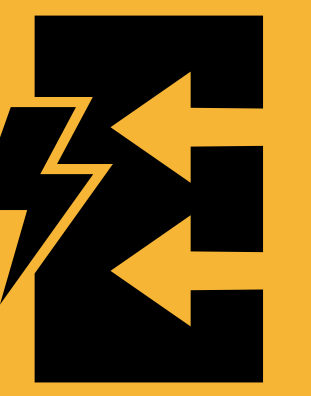
# Project Timeline & Next Steps



*Dates set by the IESO LT2 Process are outlined*



# Our Commitment to Safety



## Tested and Qualified for Safety

- Facility designed to leading codes and standards including National Fire Code of Canada, National Fire Protection Association 855, and Underwriters Laboratories (UL) 9540
- Battery system tested under UL 9540A to ensure system contains potential fire event



## Resilient by Design

- Recent advances in battery systems significantly reduce fire risk compared to earlier systems
- Hardware and software designed with safety features to keep BESS operations within safe operating range



## Monitored During Operations

- Facility monitored 24/7 to ensure safe operations
- Comprehensive emergency response plan will be developed with local fire department



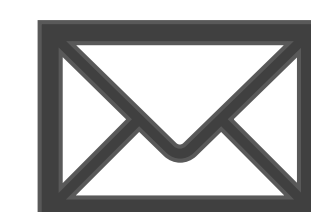


# Thank You for Attending



We value your feedback, so please complete a comment form or speak to a project team member if you have comments or questions.

You can also get more information by emailing the project team or visiting the project webpage.



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