

# WELCOME

## Napanee Battery Energy Storage System (BESS) Project

Public Meeting Presentation  
June 28, 2023



# Agenda



- Introductions
- Purpose of the Public Meeting and Land Acknowledgment
- Project Information
- Environmental Assessment (EA) Process, Regulatory Requirements and Studies
- Project Schedule and Next Steps
- Question and Answer Period



# Who We Are & Why We Are Here

**Napanee BESS Inc.** is a joint venture between Atura Power and Ameresco Canada Inc.

The purpose of the public meeting is to:

- Share information about the Napanee BESS
- Answer any questions you may have
- Get your early feedback to help with the planning of the Napanee BESS





# Land Acknowledgment

## Napanee Generating Station, Greater Napanee, Ont.

We are on the treaty and traditional territory of the Williams Treaties First Nations which include Alderville First Nation, Hiawatha First Nation, Curve Lake First Nation, Scugog Island First Nation, Rama First Nation, Beausoleil First Nation, and Georgina Island First Nation.

We also acknowledge the Mohawks of the Bay of Quinte whose treaty territory is in the neighboring location of Tyendinaga.

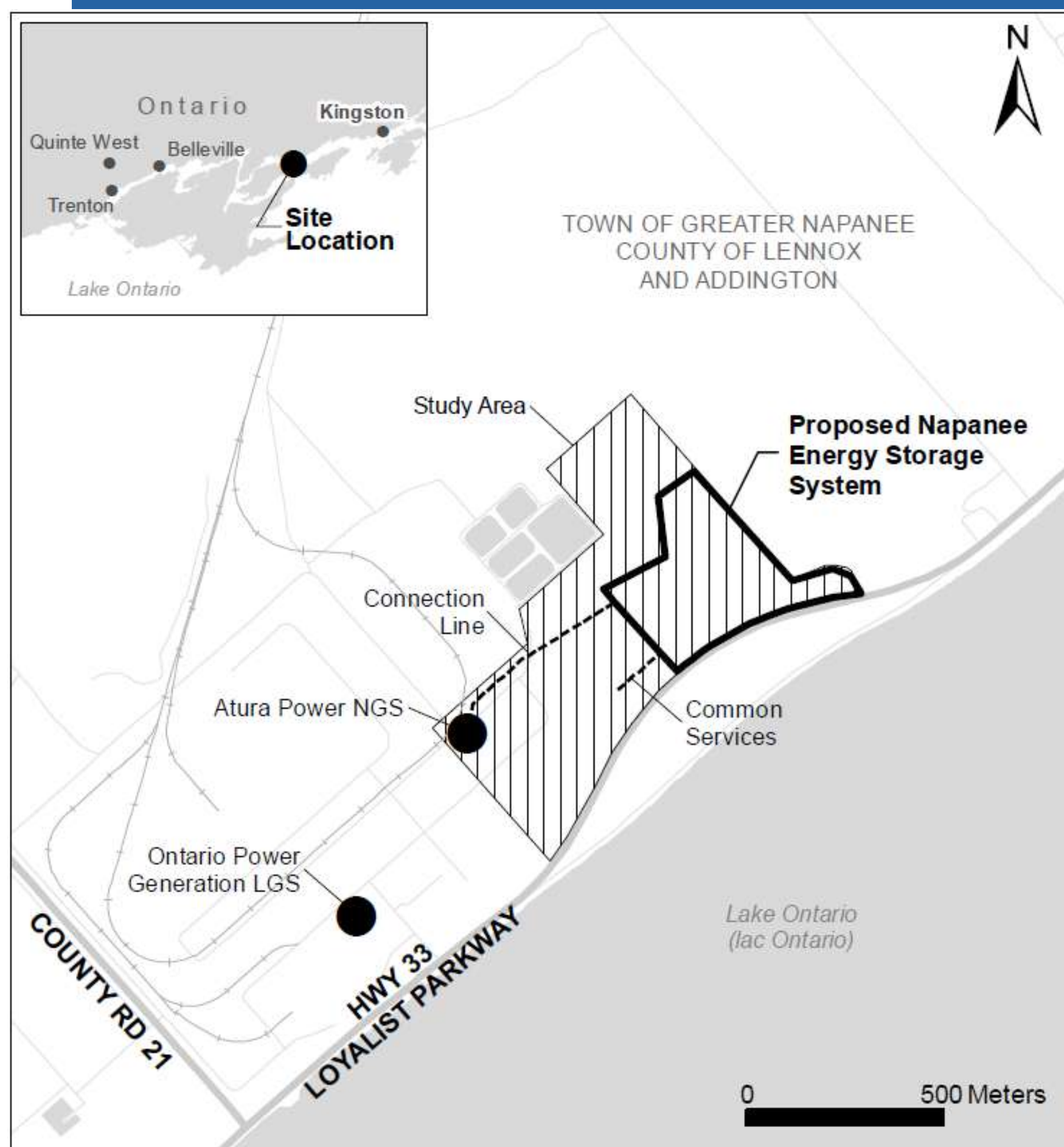
We recognize these lands have been the home of many Indigenous Peoples over the centuries, including the Huron-Wendat, the Métis, and the Haudenosaunee.





# About the Napanee BESS Project

- Contracted to deliver a maximum energy capacity of 500 megawatts (MW), for up to four hours
- Consists of two phases, each of which include a BESS with a contracted capacity of 250 MW
- Proposed location is adjacent to Atura Power's Napanee Generating Station (NGS)





# Project Need

The Independent Electricity System Operator (IESO) is the Crown corporation responsible for operating the electricity market in Ontario



- Ontario will face an energy and capacity shortage
- An additional 4,000 MW are needed to close the anticipated supply gap
- The current IESO procurement process is called the Long-term Request for Proposals (LT1 RFP)
- The proposed project can help address the supply gap, providing a cost-effective and timely solution to secure operational flexibility in the Ontario electricity grid



# Project Description

The project will be completed in two phases:

- Phase 1
  - 250 MW capacity
  - Already approved by the IESO
- Phase 2
  - 250 MW capacity
  - Feasibility studies are underway
  - Pending application to IESO's LT1 Request for Proposal (RFP) process

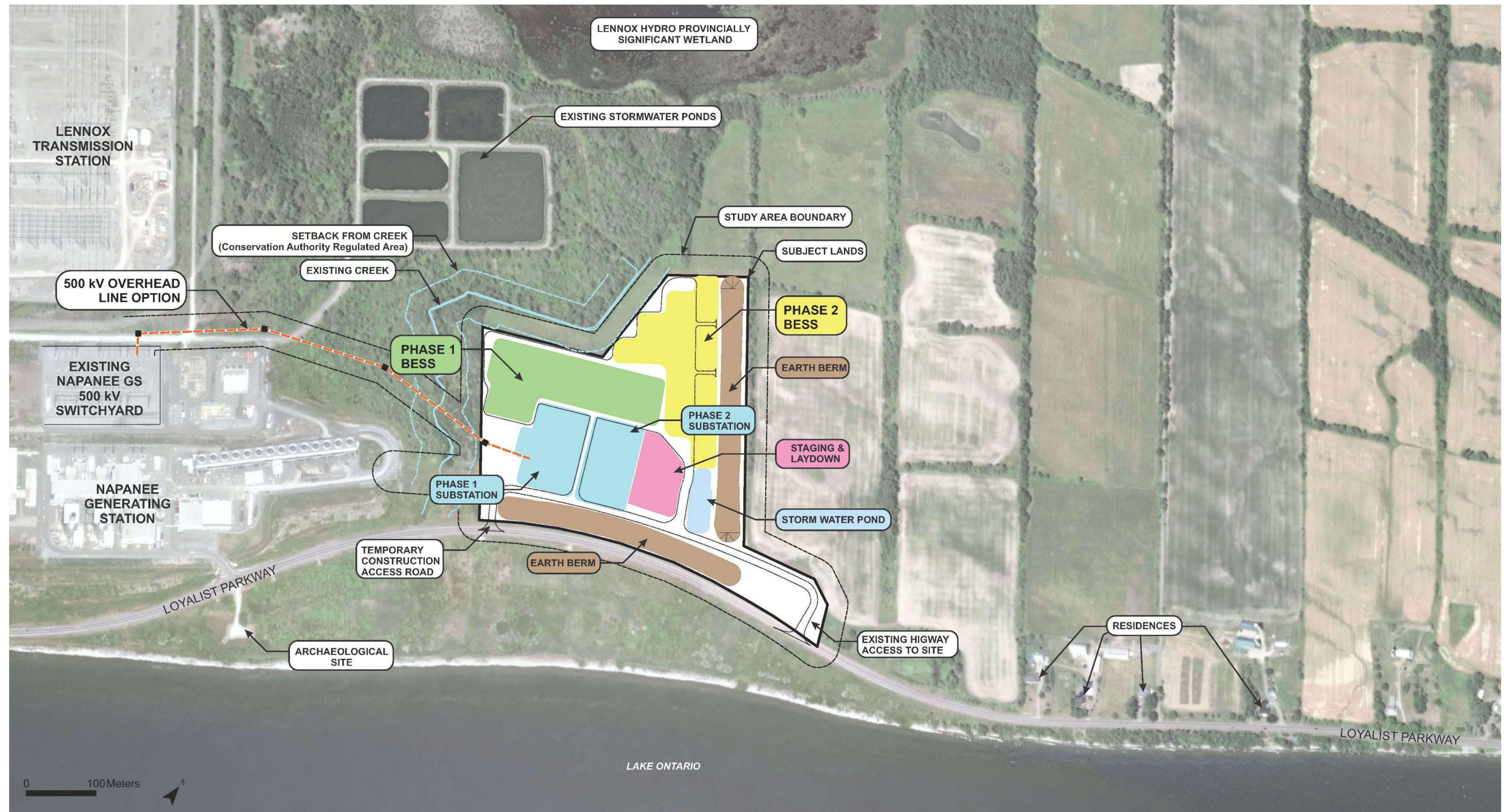


Connection to IESO-controlled electricity grid

- New high-voltage transformer substation (34.5-500 kilovolts (kV)) for each project phase
- High voltage tap line less than two kilometres (km) in length (500 kV)



# Proposed Site & Existing Environmental Features



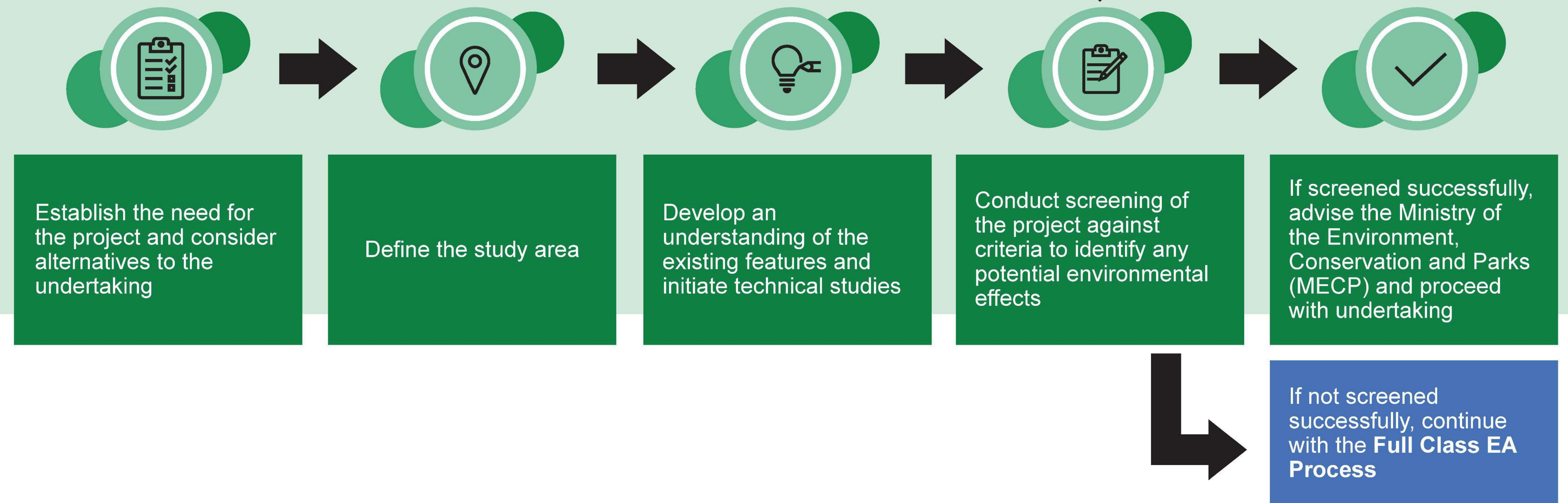


# Environmental Assessment Process

- The battery energy storage units do not trigger the Ontario *Environmental Assessment Act*
- The transformer substations are subject to the Ontario Class Environmental Assessment (Class EA) for Minor Transmission Facilities as they will have a voltage level of between 115 and 500 kV

## Ontario Class EA Process

### Class EA Screening Process





# Other Permits & Approvals

## Other permits and approvals that are anticipated:

- **MECP** for stormwater management and noise
- **Ministry of Citizenship and Multiculturalism** for cultural heritage and archaeology clearance
- **Ministry of Transportation** for access to and works near the provincial highway
- **Town of Greater Napanee** Site Plan Approval for development
- **Cataraqui Regional Conservation Authority** for work within regulated areas



Engagement-with the appropriate agencies is underway to support future permitting and approvals.



# Screening of Potential Project Effects



Technical studies have been completed or are underway to inform the project design, Class EA Screening and future permit applications.

## Environmental Components

Land Use and Policy

Air and Acoustics

Stormwater,  
Hydrological and  
Hydraulic  
Resources

Natural Heritage  
and Ecology

Agricultural Lands  
and Operations

Cultural Heritage

Archaeological  
Resources

Community  
Services and  
Facilities

Neighbourhoods  
and Community

Landscaping and  
Visual Aesthetics

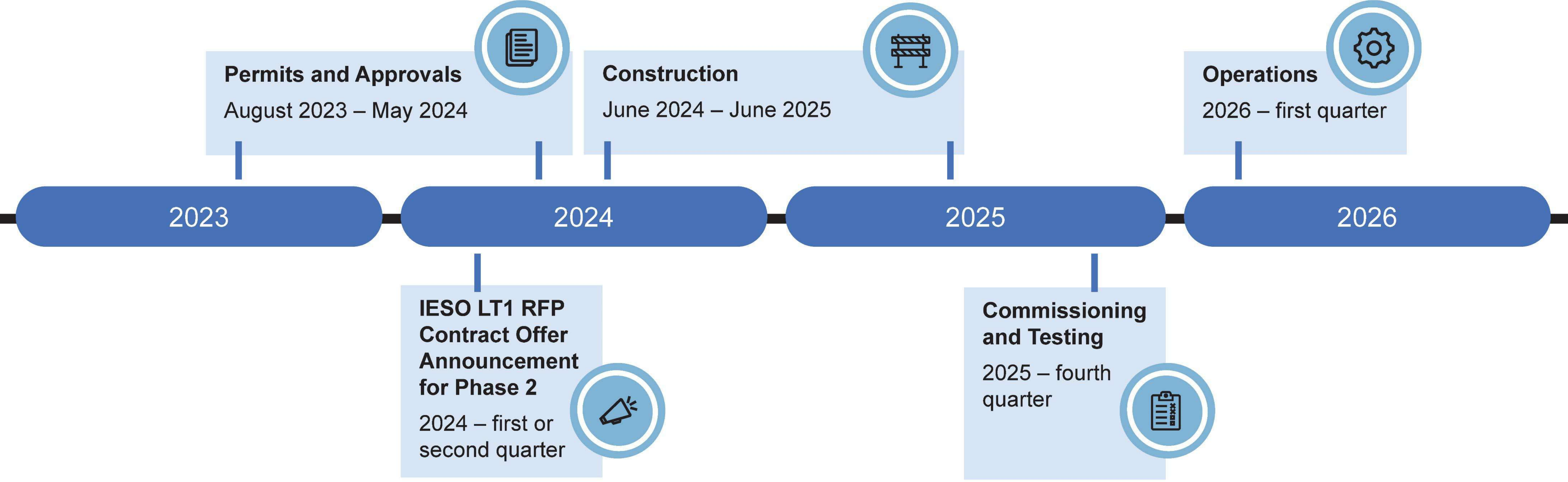


# Project Schedule

## Next Steps:

- Summarize and respond to feedback received following this public meeting
- Complete field work and technical studies as part of the Screening Process

## Project Schedule:





# Question & Answer Period



## Questions?

Or submit your questions and comments via a comment form or email to [energystorage@napaneebess.ca](mailto:energystorage@napaneebess.ca) by **July 14, 2023**



# Thank You for Attending!



We appreciate the opportunity to share information on the Napanee BESS Project.

## Project Contacts:

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To learn more about the project or review the public meeting materials, please visit the project webpage: [www.napaneebess.ca](http://www.napaneebess.ca)