



Napanee Generating Station Expansion

**Minutes of Public Community Meeting
on Thursday, November 23, 2023**

DECEMBER 2023

Land Acknowledgement

Our project is located in the traditional and treaty territory of the Mississauga Anishinaabeg. We believe that it is not only important to recognise the Mississauga Anishinaabeg for their care and teachings about the earth and our relations but to honour those teachings through our interactions today and every day.

We also acknowledge the Mohawks of the Bay of Quinte whose treaty territory is in the neighbouring location of Tyendinaga. We further recognise these lands have been the home of many Indigenous peoples over the centuries, including the Huron-Wendat, the Métis, and the Haudenosaunee.

Nearly 100 years ago, Canada and seven Mississauga and Chippewa First Nations signed agreements that became known as the Williams Treaties. These agreements were intended to be the foundation upon which sovereign peoples would build a common relationship. However, they led to long-standing disputes about compensation, settlement, and harvesting.

In light of this history, may we dedicate ourselves to moving forward in the spirit of partnership, collaboration, and reconciliation as we learn together and contemplate the possibilities that lay ahead.

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Glossary of Terms

- AODA *Accessibility for Ontarians with Disabilities Act*
- BESS..... Battery Energy Storage System
- E-LT1 Expedited Long Term 1
- EA Environmental Assessment
- IESO..... Independent Electricity System Operator
- LT1 Long Term 1
- MW..... megawatts
- NGS Napanee Generating Station
- OPG Ontario Power Generation
- Q&A..... Questions-and-Answers
- RFP Request for Proposal

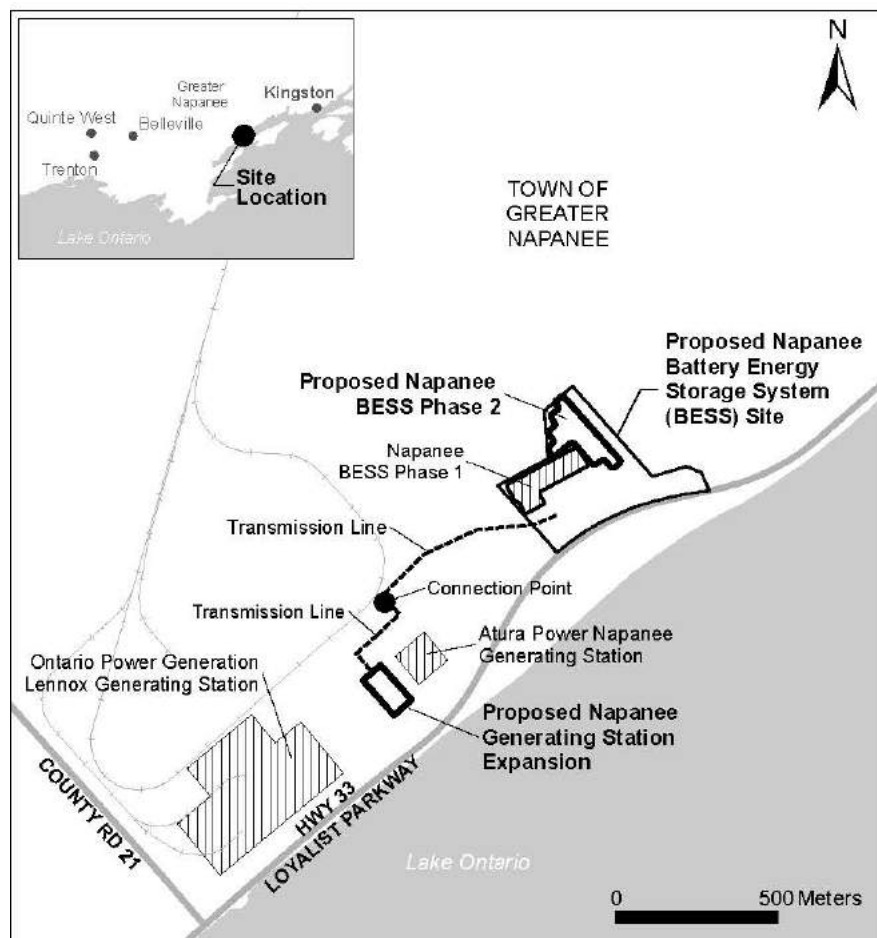
1. Introduction

1.1 Procurement Process

The Ontario Independent Electricity System Operator (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 and will be submitting a proposal for the Napanee Generating Station Expansion project, which will provide up to 450 megawatts (MW) of electricity output to Ontario's electricity grid.

The proposed project will be located north of the Lake Ontario shoreline in the Town of Greater Napanee, Ontario, between the existing Napanee Generating Station (NGS) and Lennox Generating Station. A map of the project location is provided in **Figure 1**.

Figure 1: Napanee Generating Station Expansion Project Location



This document provides a summary of the minutes of the public community meeting that was held for the Napanee Generating Station Expansion project on Thursday, November 23, 2023. This public community meeting was held for both the Napanee Generating Station Expansion and Napanee Battery Energy Storage System (BESS) Phase 2 project, also undergoing the LT1 procurement process. The meeting minutes meet the IESO's LT1 Request for Proposal (RFP) requirements as part of Atura Power's proposal submission.

This was the second public community meeting regarding the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects. The meeting was held to provide an additional opportunity to learn about the proposed projects. The first meeting was held on October 18, 2023, with similar meeting materials as the November 23, 2023, public community meeting. The meeting minutes from October 18, 2023, are also available on the project webpage.

1.2 IESO Requirement

This meeting minutes document was created pursuant to Section 2.1(f)(i)(B) of the IESO LT1-RFP which states that a copy or summary of the minutes of each public community meeting held as part of the LT1 process are made available to the public. The minutes must document that the public community meeting included:

- *a description and display of:*
 - *(1) the legal name and contact information of the Proponent.*
 - *(2) the name, Nameplate Capacity and generating or storage technology of the Long-Term Reliability Project; and*
 - *(3) a scale map showing the boundaries of the Project Site, location of the Connection Point and approximate location of the Connection Line; and*
- *a question-and-answer opportunity where members of the public have an opportunity to ask questions to the Proponent in a manner accessible to all other members of the public attending the meeting.*

(IESO, LT1-RFP, September 29, 2023)

To address these IESO requirements and provide a detailed account of the public community meeting, this meeting minutes document includes:

- **Section 2** Notification Methods – describes how the community was notified about the second public community meeting

- **Section 3** Summary of the Public Community Meeting – outlines details of the second public community meeting such as the time, location, and general format of the meeting
- **Section 4** Summary of Questions and Answers – provides a summary of questions asked by the meeting attendees and the answers given by the project team
- **Section 5** Project Timeline & Next Steps – highlights the project timeline and Atura Power’s commitment to continued engagement of the Indigenous communities, the public, the local municipality and any other potentially interested parties

Specifically, the presentation that was delivered at the public community meeting addresses (1), (2) and (3) of IESO’s requirements stated above and can be found in **Appendix A**. The presentation includes details of both the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects. **Section 4** provides a summary of the questions-and-answers (Q&As) session that occurred following the meeting’s presentation as well as questions heard during the public community meeting.

2. Notification Methods

Atura Power used a variety of methods that both meet and go beyond the IESO's LT1 engagement requirements to notify and connect with Indigenous communities, the public, the local municipality, and any other potentially interested parties about the second public community meeting. In accordance with the IESO's public and Indigenous community engagement requirements, Atura Power developed a project webpage and distributed a notification to adjacent property landowners. Additionally, to further engage with the local community, Atura Power advertised the public community meeting in the local newspaper and hand delivered project notices.

Direction on how to contact the project team if assistance was needed to attend the public community meeting or view meeting materials was provided in all notification methods.

2.1 Project Webpage

Atura Power published a project webpage (www.aturapower.com/napaneeexpansion) to provide key information about the project to the public. The webpage was made publicly available on Monday, October 2, 2023, and pursuant to the IESO LT1 requirements it will remain live until such time that the Proponent is notified of the outcome of the LT1-RFP. Details about the November 23, 2023, public community meeting were added to the project webpage on Wednesday, November 8, 2023.

Along with this meeting minutes document, the webpage contains the name of the project, its nameplate capacity, what type of generating technology the project will use and the meeting minutes from the first October 18, 2023, public community meeting. It provides Atura Power's name as the proponent of the project, as well as contact information. The webpage contains a scale map that highlights the boundaries of the project site, and where the connection point and connection line of the project are located. The webpage contains information about the notices of the public community meetings, a copy of the Public & Indigenous Community Engagement Plan, the project timeline, and a contact form. Screenshots of the webpage, including required engagement documents are provided in **Appendix B**.

2.2 Notification Letter

Pursuant to IESO's LT1 process, letters providing notification of the public community meeting were delivered by means of registered post, courier, or email, to potentially interested Indigenous communities, the local municipality, and landowners of properties

adjacent to the proposed project site, more than 15 days in advance of the second public community meeting.

2.2.1 Landowner & Municipal Notification Letter

Notification letters were sent to each property owner located adjacent to the boundaries of the properties that constitute the project site and to the chief administrative officer of the local municipalities. Additionally, notification letters were provided to those who were previously contacted during the Expedited Long Term 1 (E-LT1) process. An example of the letter that was sent to landowners and municipalities can be found in **Appendix C**.

2.2.2 Indigenous Community Notification Letter

The IESO's LT1 RFP mandates that project proponents must engage with Indigenous communities on whose lands the project site is located, either fully or partially. Atura Power is taking a proactive approach by engaging with communities that may have an interest in the project as part of the LT1 engagement process. The following communities were notified about the public community meeting by Atura Power based on the location of the project site:

- Alderville First Nation;
- Beausoleil First Nation;
- Chippewas of Georgina Island First Nation;
- Chippewas of Rama First Nation;
- Curve Lake First Nation;
- Hiawatha First Nation;
- Huron Wendat Nation;
- Mississaugas of Scugog Island First Nation; and
- Mohawks of the Bay of Quinte First Nation.

Notification letters to Indigenous communities were sent on Monday, November 6, 2023, either by email or courier to the community depending on their individual preference(s) for engagement. An example of the letter that was sent to these Indigenous communities can be found in **Appendix D**.

2.3 Newspaper Notice

Though not a requirement of the IESO's LT1 RFP, a project notice was created and placed in *The Napanee Beaver* print and online newspaper on Thursday, November 9, 2023, to notify the public at large about the second public community meeting. A copy of the newspaper page featuring the notice is provided in **Appendix E**.

2.4 Hand Delivery of Project Notice

Notices were hand delivered on Wednesday, November 8, 2023, to residents and businesses within 100 metres of the project and the adjacent Ontario Power Generation (OPG) Lennox Generating Station property parcels as well as those who had been previously notified for Atura Power's Napanee BESS Environmental Assessment (EA). Though not a requirement of the IESO's LT1-RFP, this was done to further ensure community members were notified about the second public community meeting. The hand delivery location map can be found in **Appendix F**.

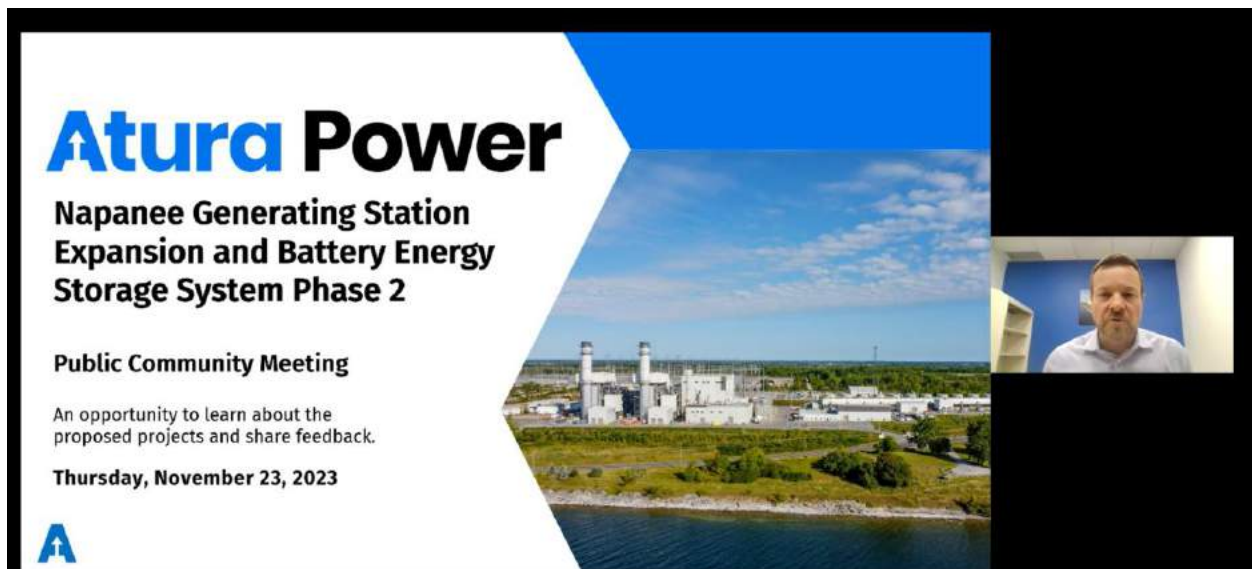
3. Summary of the Public Community Meeting

On Thursday, November 23, 2023, Atura Power held a virtual public community meeting to engage with the public about the project, answer questions regarding the project, and fulfill IESO's engagement requirements. The sections below provide the details about the public community meeting, format, and materials.

3.1 Meeting Details

The public community meeting was held on Thursday, November 23, 2023, from 6:30 p.m. to 7:30 p.m. Eastern Time on Microsoft Teams Live Events. A virtual meeting option was selected for the second public community meeting to allow members of the community who may be unable to attend an in-person meeting an additional opportunity to learn about the project. Throughout the evening, attendees were encouraged to ask questions and provide feedback to Atura Power either during the meeting or via the project-specific email address (napaneeexpansion@aturapower.com). A screenshot of the event is included below in **Figure 2** for reference.

Figure 2: Screenshot of Public Community Meeting



3.1.1 Attendance

The meeting was attended by nine individuals. Attendees joined as anonymous participants but had the option to provide their names when they submitted questions to the project team.

3.2 Meeting Format and Materials

The public community meeting format and materials are described below.

3.2.1 Meeting Format

The virtual public community meeting was hosted on Microsoft Teams Live. Attendees joined the meeting via a live link that was provided on the project webpage. Project team members gave a presentation to describe the project which was followed by a Q&A period. Attendees were able to submit questions to the project team via the Microsoft Teams Live Events Q&A function. The project team responded to questions that were project specific. A summary of the Q&A is provided in **Section 4**.

3.2.2 Meeting Materials

The public community meeting material comprised of a presentation deck (see **Appendix A**). Copies of the presentation deck were made available on the project webpage in a format that complies with the *Accessibility for Ontarians with Disabilities Act* (AODA) following the public community meeting.

The presentation included the legal name and contact information for Atura Power, gave a description of the project, including the name of the project, nameplate capacity, type of technology proposed, and showed a map of the boundaries of the project site, connection point and transmission line.

4. Summary of Questions and Answers

Pursuant to the IESO requirements, Atura Power provided an opportunity for Q&As during the public community meeting where attendees could ask Atura Power questions.

Table 1 is a summary of questions received from attendees during the public community meeting and Atura Power's responses. Questions have been edited for clarity and consistency. This summary contains general questions about both the Napanee Generating Station Expansion and Napanee BESS projects, as well as questions specific to the Napanee Generating Station Expansion project. Questions specifically related to Napanee BESS Phase 2 are provided in the *Napanee Battery Energy Storage System Minutes of Public Community Meeting* that is available at aturapower.com/napaneebess2.

Table 1: Summary of Questions and Responses

Question / Comment	Atura Power Response
<p>Why do you think we're experiencing a lack of power availability today? If green energy projects were not cancelled, we wouldn't be in this position; or if BESS facilities had been built sooner.</p>	<p>Ontario's energy demand has been consistent for a long time; however, it is now undergoing a period of significant transformation. New decarbonization policies, resource retirement (e.g., nuclear) and rapid growth in the mining, electric vehicle, greenhouse, and industrial sectors are accelerating electricity demand growth across the province and heightening needs in certain regions, which Atura Power is responding to through these proposed projects.</p> <p>The IESO's most recent Annual Planning Outlook reflects these trends. It projects a steady rise in electricity demand that highlights the strengths of Ontario's communities and economy to pursue electrification and support economic growth.</p>
<p>We are seeing more extreme weather events and burning more fossil fuels contributes to the ongoing climate crisis meaning that burning more fuels is wrong. Why are you proposing another fossil fuel project?</p>	<p>There are two important parts to address. Overall increasing use of the electricity system is a huge net benefit. It is driving a huge reduction in broader sector emissions that more than offsets the increased electricity related emissions.</p> <p>The other piece is around ultimately what is required to maintain reliable electricity systems. Today natural gas is the only technology capable of withstanding extreme weather conditions. Grid operators must plan for the electricity system to have availability of 99.97%, which requires planning for scenarios where the wind may not blow, or it is overcast for a couple of weeks. The only option we have today for those types of events is natural gas.</p> <p>However, natural gas should not be seen as is in competition with renewables such as wind and solar, as they work well together. Wind and solar generation are important resources and will continue to play an increasing role in supplying clean electricity; however, other resources are required to maintain system reliability. It is not uncommon to have a week or more of low wind or overcast conditions and for these periods of time, it is critical to have generation resources available that can operate on demand. Natural gas generation operates on demand regardless of weather conditions to ensure electricity</p>

Question / Comment	Atura Power Response
	<p>system reliability and ensures that wind and solar generation can be reliably incorporated into the electricity system.</p> <p>The current IESO RFP procurement is for electricity generation that involves both natural gas and battery storage projects. There will be a new planned IESO procurement (Long Term 2) process for green power, including wind, solar, hydroelectric and biogas that will pair well with recent energy storage procurements, so that solar and wind can be stored and injected into the system when needed.</p>
Why aren't we buying clean hydro power from Quebec (who has a surplus) when we need it here? It is much less costly.	Ontario and Quebec have energy compatible needs and do benefit from a capacity exchange program where they supply energy to each other during periods of lower demand. However, imports from Quebec could not replace Ontario's natural gas need, even in Ontario's peak summer season. In fact, Quebec relies on Ontario for imports during the winter and is projecting increasing electricity needs over the next decade – meaning Quebec will need new internal supplies.
Can you compare the timelines between current available power generators, i.e., the time from when you flick the switch for the existing turbines vs. for the expansion? How long will it be before the expansion plant is up and running?	<p>The IESO dispatches electricity generation based on system needs. Since Atura Power's natural gas plants can be operated as needed (e.g., switched on and off) the NGS operates when it is requested by the IESO. This feature is what makes these facilities "peaker plants", as they are very flexible and can maintain reliability and balance the grid. Nuclear and hydro are not as flexible as other sources like natural gas.</p> <p>Regarding the project schedule, the expansion will be operational by May 2028 if IESO approves the project on the anticipated schedule.</p>
Could you explain exactly what "natural" gas is? ¹	Natural gas is mostly methane.

1. Question was not published publicly during the public community meeting.

5. Project Timeline and Next Steps

Atura Power is committed to continuing to engage with Indigenous communities, members of the public and stakeholders as the project advances. The proposal to the IESO will be submitted in December 2023 for a long-term capacity contract. If successful, Atura Power will proceed with the development, engineering, and construction of the project in 2025 to bring the project online by 2028. This timeline can be seen in **Table 2**.

Table 2: Project Timeline

Activity	Timeline
LT1 Proposal Submission	December 2023
IESO Contract Offer Announcement	May 2024
Target Construction Start	2025
Operations	2028

Atura Power will complete a project-specific EA process, permitting and planning approvals prior to construction. Engagement will continue throughout this phase and is fundamental for obtaining the necessary authorizations needed to construct the project. The EA phase will provide additional opportunities for Indigenous communities, the public, municipalities and any other potentially interested parties to participate in the development of the project.

Atura Power is dedicated to developing the Napanee Generating Station Expansion project in a manner respectful to the local community, the environment, and the traditional way of life of Indigenous peoples. We are available to discuss any questions and will ensure that feedback received is considered. Please feel free to contact us at napaneeexpansion@aturapower.com. For further information about the project, visit www.aturapower.com/napaneeexpansion.

Appendix A

Meeting Materials

Atura Power

Napanee Generating Station Expansion and Battery Energy Storage System Phase 2

Public Community Meeting

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

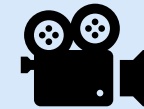
Thursday, November 23, 2023



Order of Events

Agenda

1. Introduction and Land Acknowledgement
2. Project and Proponent Information
3. Next Steps and Project Timeline
4. Question and Answer Period
5. Closing Comments



Presentation is being recorded



Materials will be available online



Chat function is available for questions



Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com

Land Acknowledgement

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Nearly 100 years ago, Canada and seven Mississauga and Chippewa First Nations signed agreements that became known as the Williams Treaties. These agreements were intended to be the foundation upon which sovereign peoples would build a common relationship. However, they led to long-standing disputes about compensation, settlement, and harvesting.

In light of this history, let's dedicate ourselves to moving forward in the spirit of partnership, collaboration, and reconciliation as we learn and contemplate the possibilities that lay ahead.



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 (570 MW)



2. Halton Hills Generating Station (683 MW)



3. Portlands Energy Centre (550 MW)



4. Napanee Generating Station (900 MW)



5. Napanee BESS Phase 1 (250 MW)



6. Oakville Head Office



Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com

Community Outreach and Support

Atura Power is an engaged community partner and supporter in Greater Napanee. The company donated more than \$250,000 to organizations in 2022 and 2023 through the Atura Power Community Development Fund including:

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



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Ontario Electricity System Transition

Ontario is taking the first steps in the transition to a net-zero economy by 2050.

Increased electricity consumption is driving a need for new resources within the next few years to maintain electricity system reliability.

Longer term electricity plans involve major investments in nuclear, hydroelectric, wind and solar generation to increase the amount of non-emitting electricity supply.

2024-2025



New commitments to small hydro facilities



New capacity exchange agreement with Hydro Quebec



First large battery facility comes online



New market opportunities for local energy projects



Launch expanded energy efficiency programs



New transmission lines bring power to Southern and Northeast Ontario (2025 - 2030)

2032



Darlington and Bruce nuclear refurbishments largely complete

2026-2028



Battery fleet grows, contributing to Ontario's system needs

2029



First small modular reactor powers up

2030-2034



Proposed Pickering refurbishment



Non-emitting generation fleet continues to grow

2040



Most Ontario natural gas generation reach end of life



IESO Procurement for Reliability Services

Combination of Electricity Storage and Natural Gas

The Independent Electricity System Operator (IESO) is the Crown corporation that operates the province's electricity system.

Ontario is entering a period of emerging electricity system needs and IESO forecasts that an additional 4,000 megawatts (MW) are needed by the end of the decade to maintain reliability.



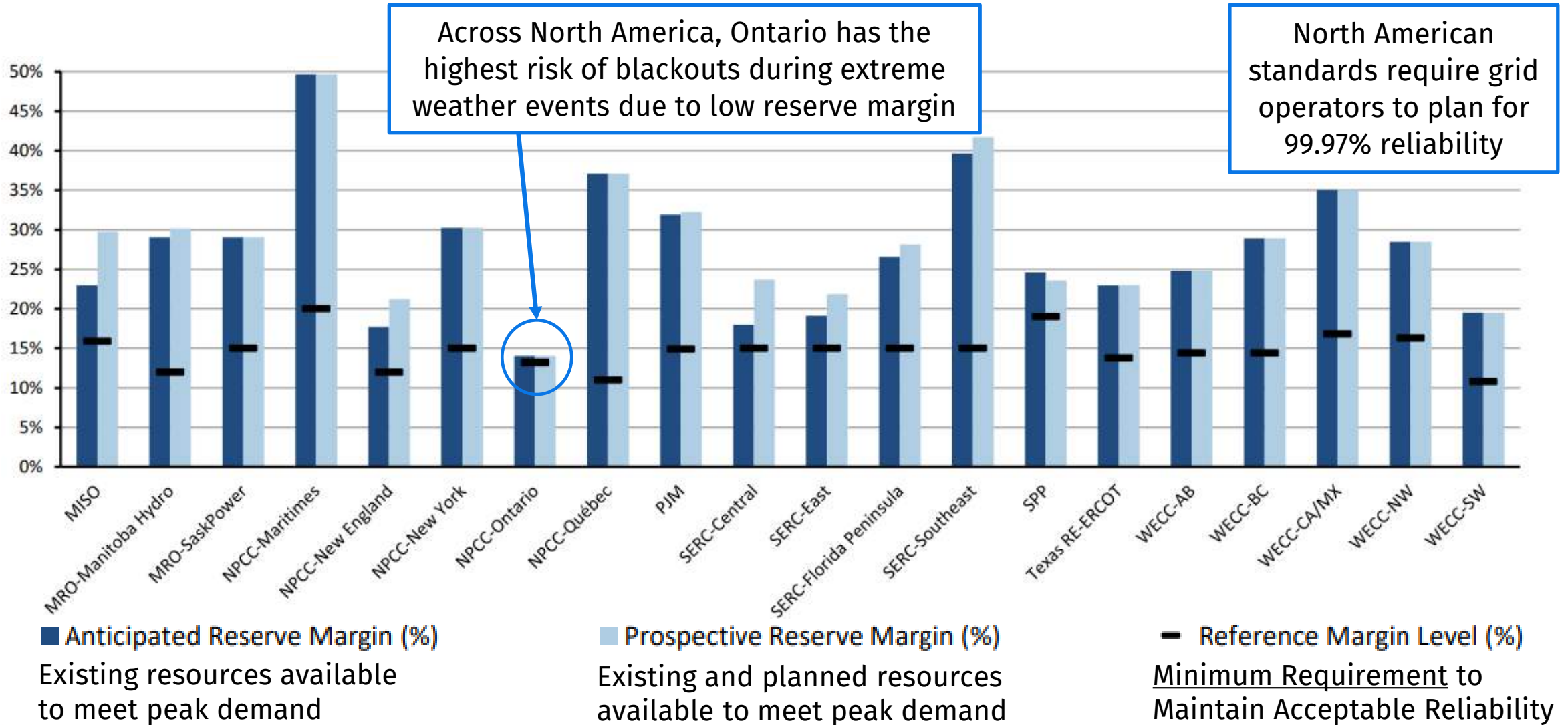
The IESO is implementing procurement processes to secure of 2,500 MW of electricity storage and 1,500 MW of natural gas generation that can be online from 2026-28.

Atura Power is proposing the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects in response to the IESO's Long-Term 1 (LT1) procurement process.



Ontario Electricity Reliability is at Risk

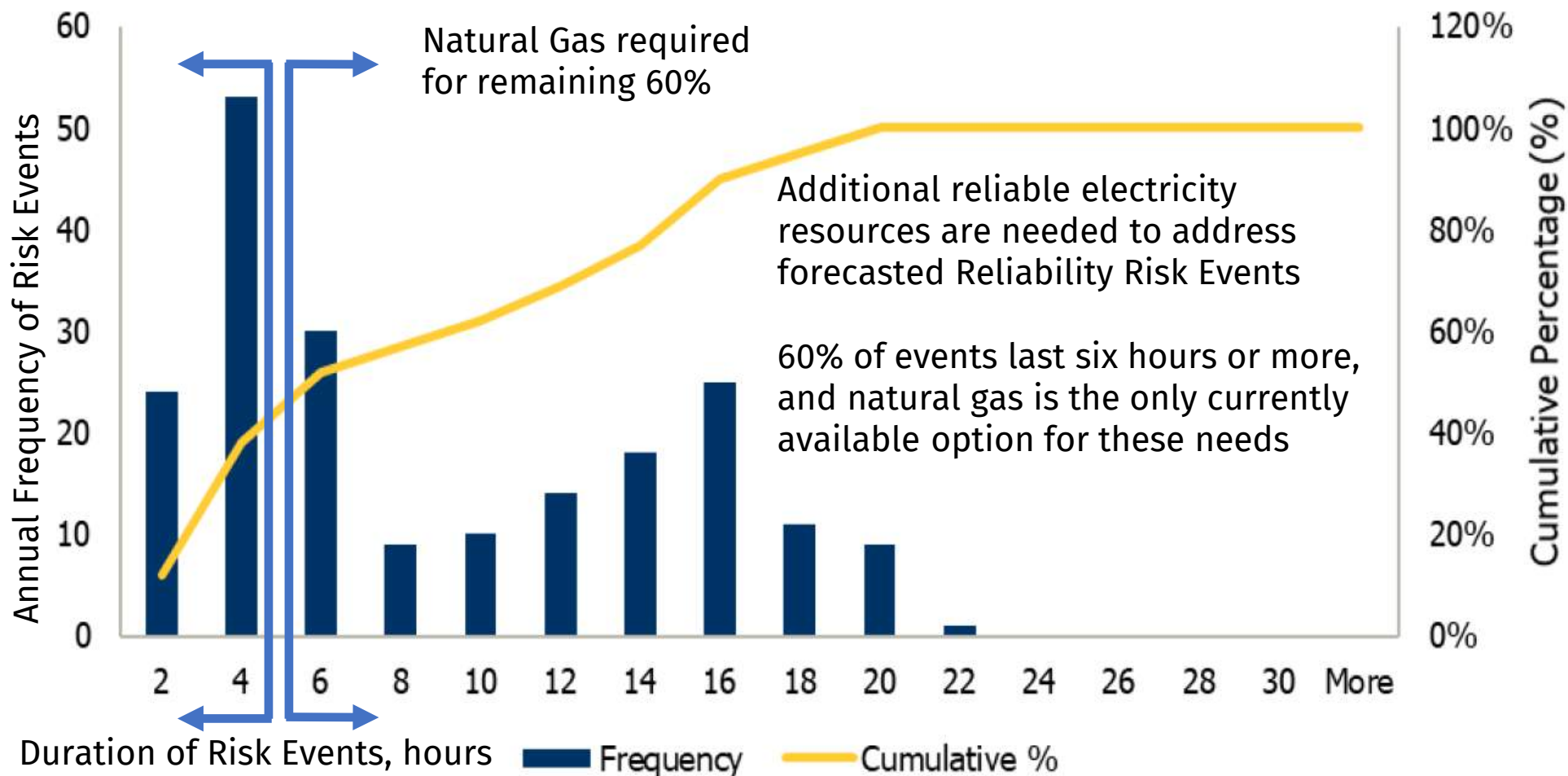
Ontario Barely Meets the Minimum Requirement for Reliability



Why More Natural Gas Generation is Required

Forecast 2029 Reliability Risk Events Driving Need for New Resources

Batteries can solve
40% of risk events

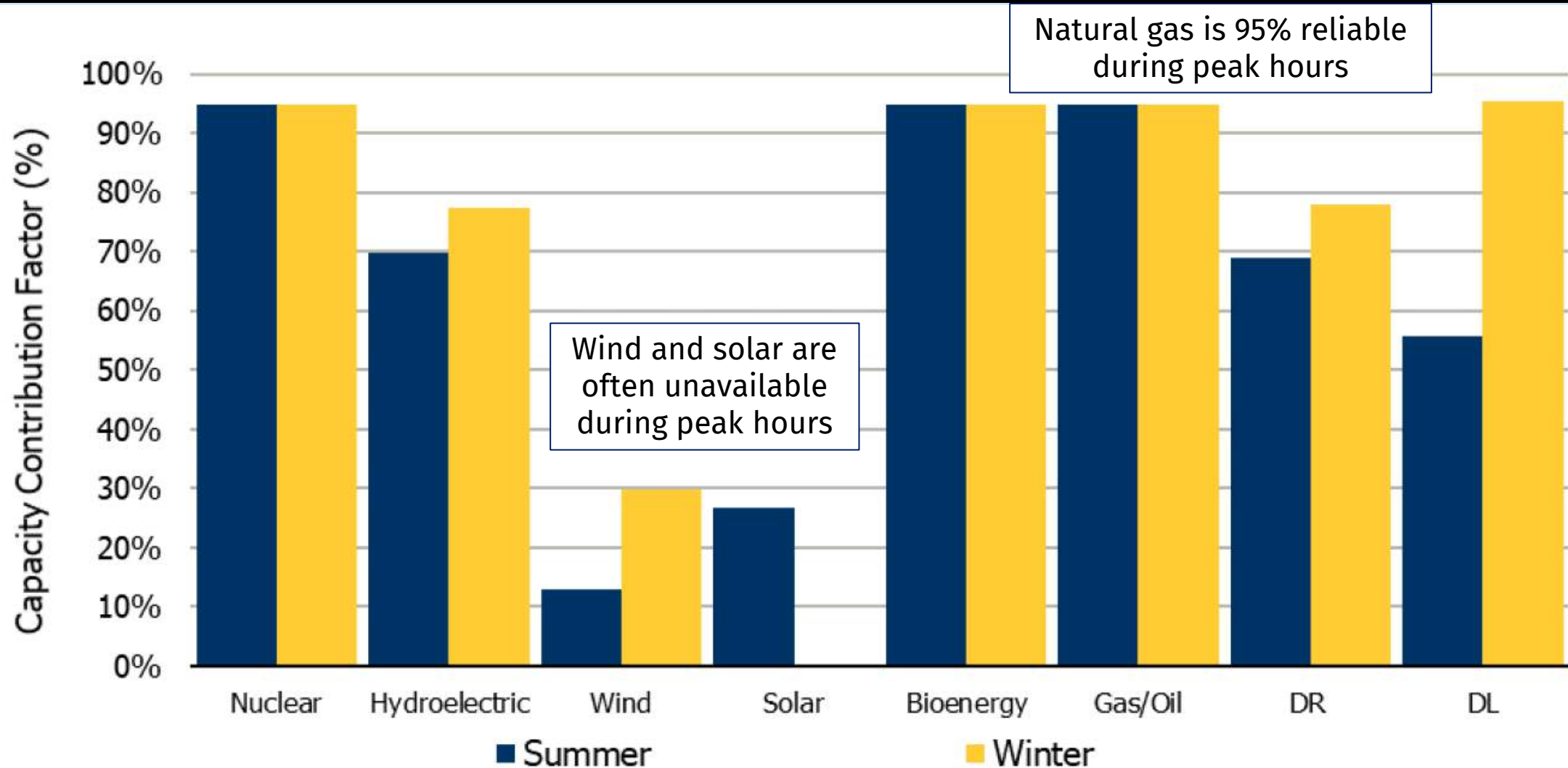


What are Reliability Risk Events?

- Times when the electricity system is stretched to its limit and at risk of blackout
- Often caused by extreme weather conditions that increase electricity demand and prevent wind and solar resources from operating

Why Can't Wind & Solar Be Used Instead of Gas

Summer & Winter Capacity Peak Contribution



Source: IESO 2022 Supply, Adequacy and Energy Outlook Module, <https://www.ieso.ca/-/media/Files/IESO/Document-Library/planning-forecasts/apo/Dec2022/Supply-Adequacy-and-Energy-Outlook-Module.ashx>

Natural Gas is Needed Post 2035

Natural Gas has Continuing Role in Maintaining Electricity Reliability

Immediate phase-out of natural gas electricity generation is not possible without a risk of blackouts.

The proposed 2035 Federal Clean Electricity Regulations envision natural gas operating post 2035 in a limited role to support reliability, i.e., up to 450 hours per year.

Currently there's no like-for-like replacement supply that offers similar operating characteristics of gas generation.

Electrification of other sectors offers a far more cost-effective pathway to decarbonization than rushing to remove natural gas generation entirely.

Supply from Quebec is not a realistic immediate alternative to natural gas since Quebec relies on electricity imported from Ontario and other jurisdictions during the winter.



Decarbonization and Ontario's Electricity System

Assessing the impacts of phasing out natural gas generation by 2030

OCTOBER 7, 2021

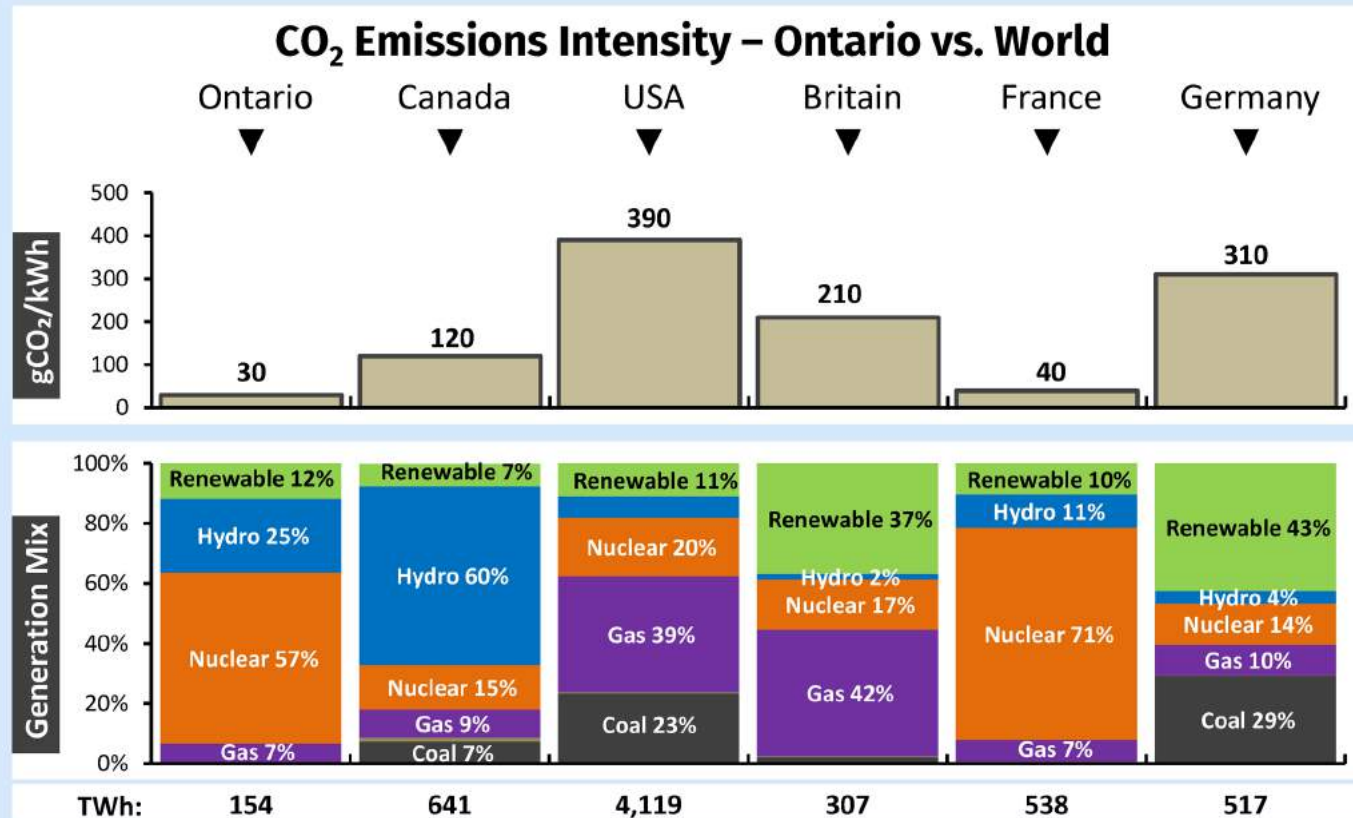


Ontario Electricity in a Global Context

World Leader in Clean Electricity Supply

Ontario has one of the cleanest electricity systems in the world after eliminating coal-fired generation in 2014.

Ontario's electricity system is about 90 per cent emissions-free (2022).



Notes:

Based on actual 2019 generation for Ontario, USA, UK, France & Germany, and 2018 generation for Canada.

CO₂ emission intensity estimates for in-region generation only; CO₂ from imports and life-cycle emissions not included.

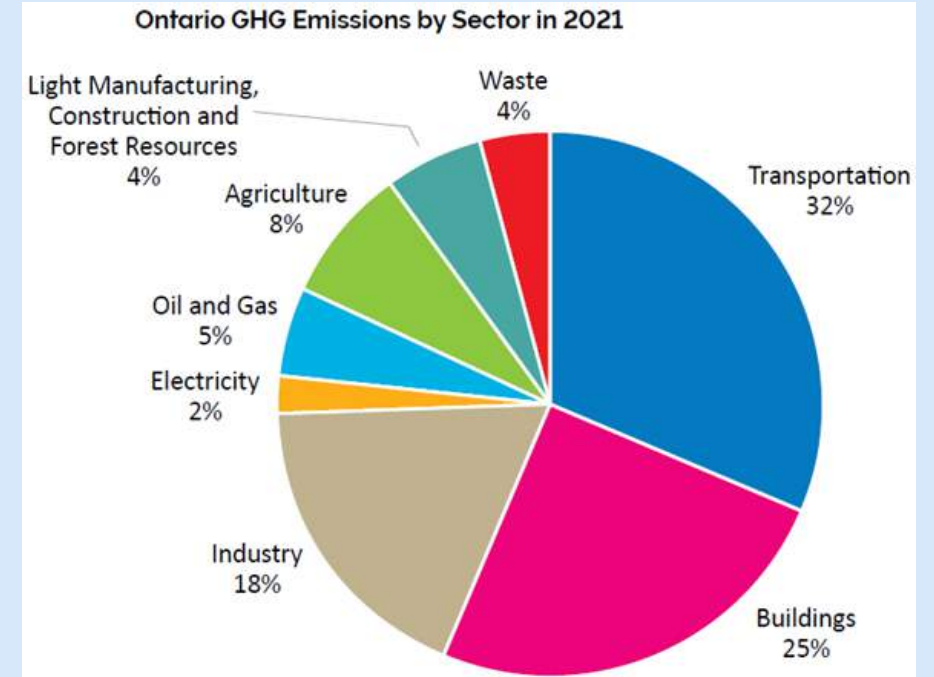
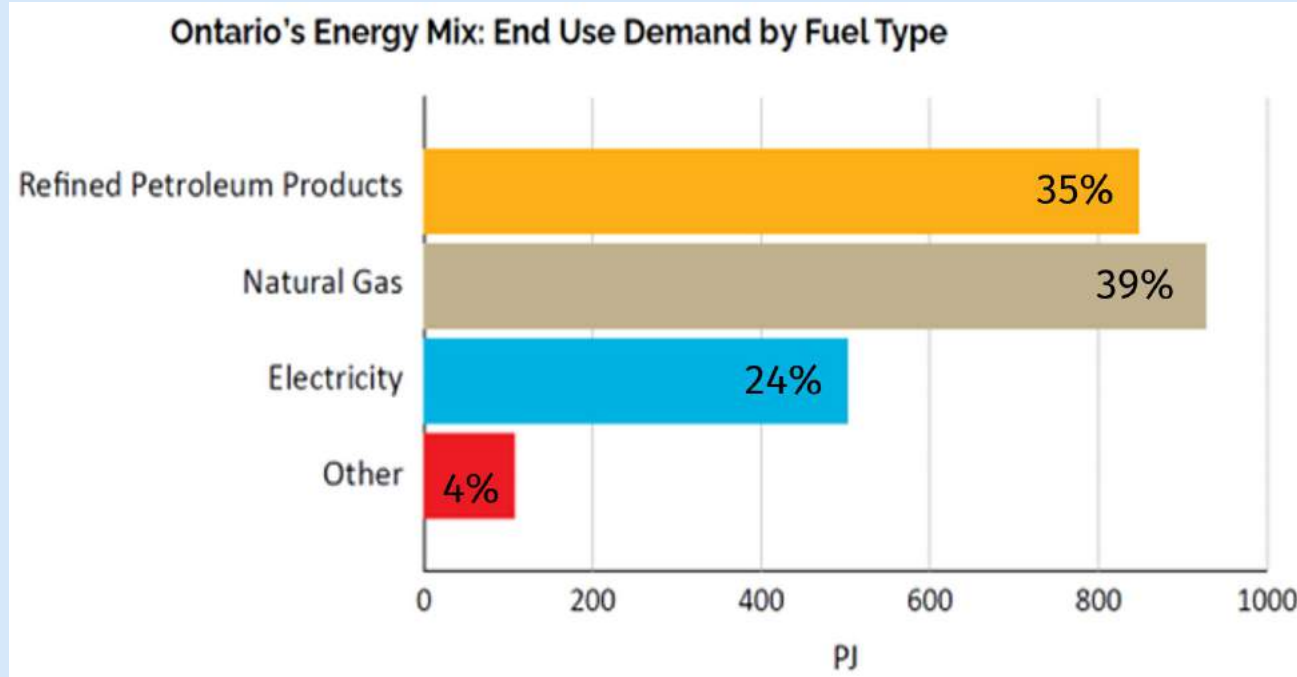
Renewable excludes hydro and included wind, solar, biofuels and geothermal; small brown portion is oil.

CO₂ emissions intensity estimates calculated assuming emissions of 450 gCO₂e/kWh for gas, 800 gCO₂/kWh for oil and 900 g/kWh for coal.



Electricity is Lowest Carbon Energy Source

Provides 24 Per Cent of Ontario's Energy but Only Two Per Cent of GHGs



Electricity supplies 24 per cent of end-use energy in Ontario but only contributes about two per cent of overall greenhouse gas (GHG) emissions.

Converting other sectors to electricity ('electrification') is a key way to reduce overall emissions.

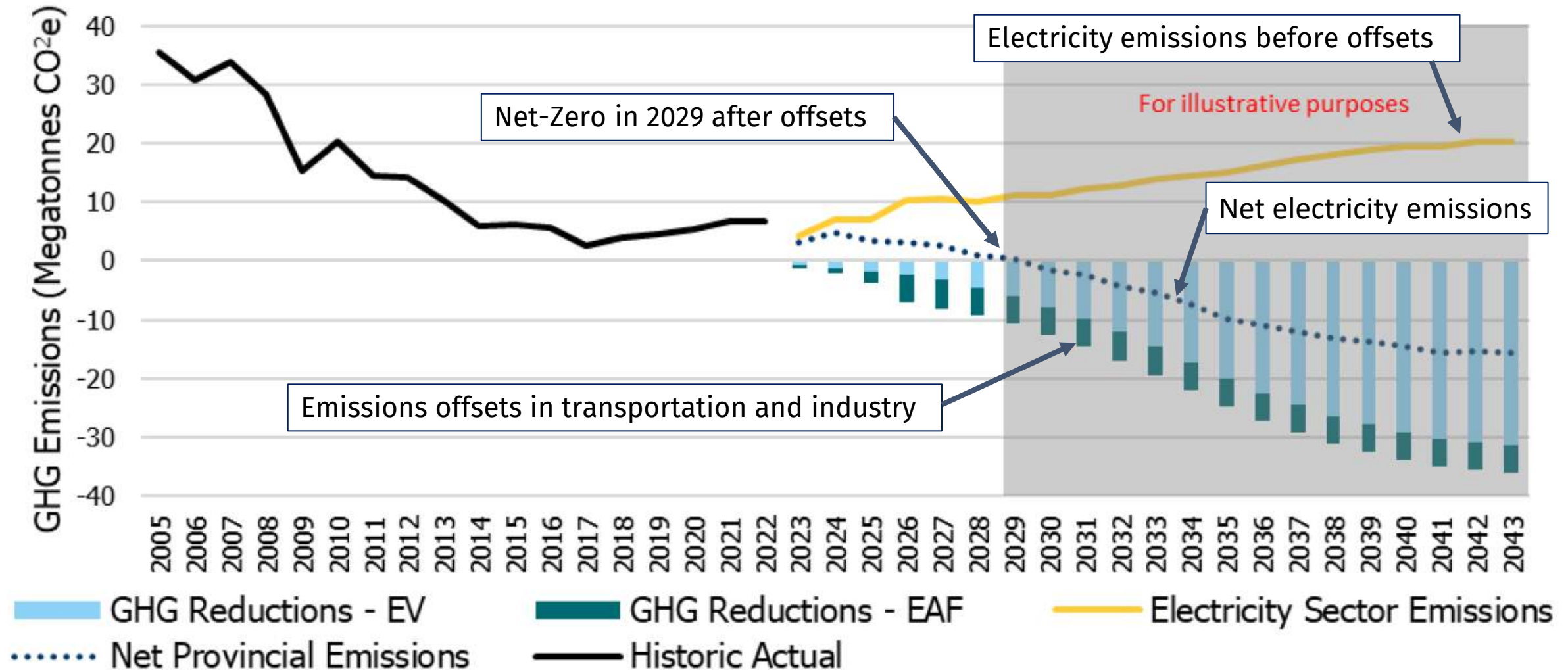
Source: Powering Ontario's Growth, Ontario's Plan for a Clean Energy Future



Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com

Electricity is Key Enabler for Broader Decarbonization

Electricity Emissions Offset by Average 1.5x Reduction in Other Sectors

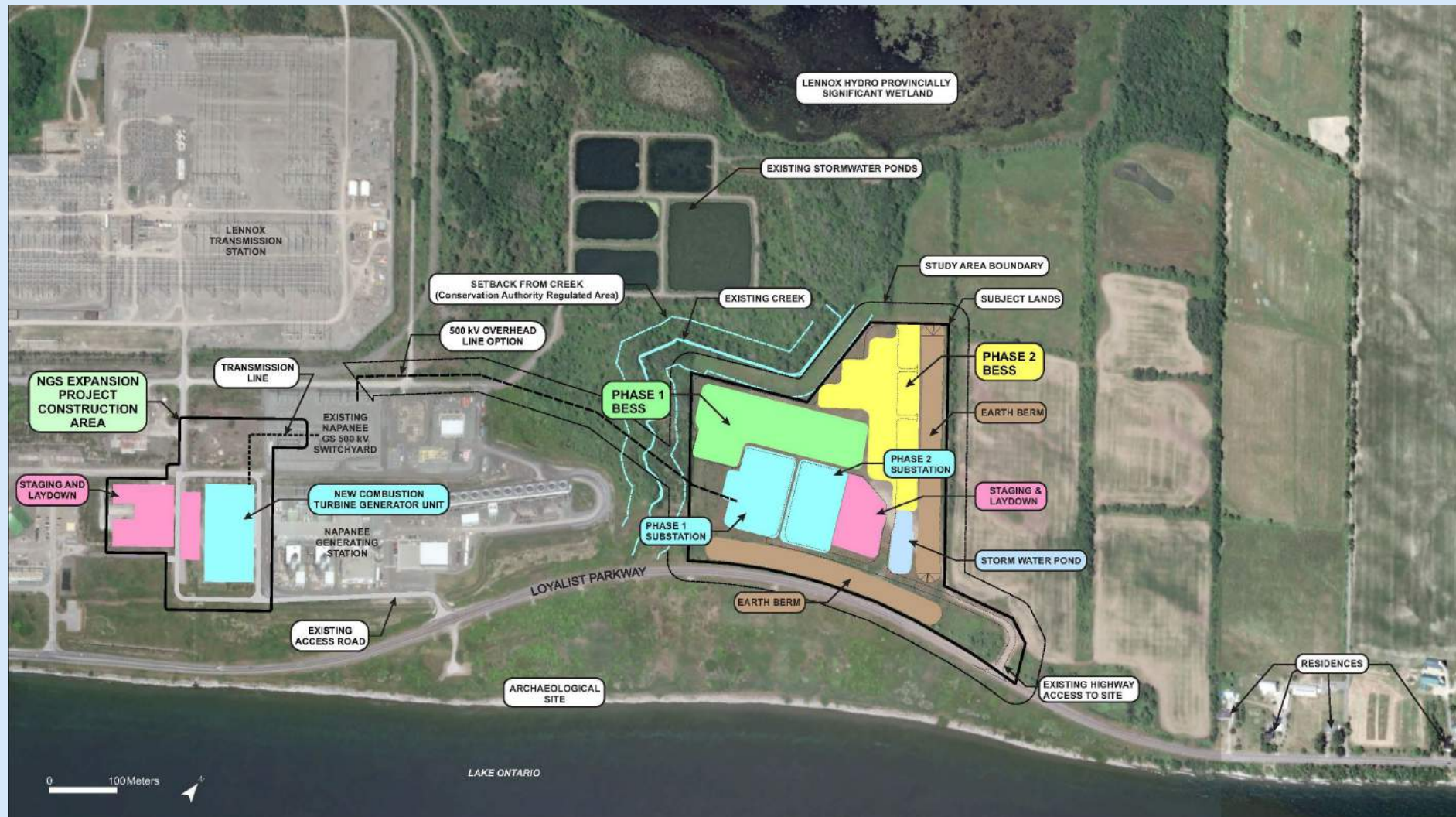


Acronyms: EV = Electric Vehicles; EAF = Electric Arc Furnaces

Source: 2022 IESO Annual Planning Outlook: <https://www.ieso.ca/-/media/Files/IESO/Document-Library/planning-forecasts/apo/Dec2022/2022-Annual-Planning-Outlook.ashx>

Site Layout & Existing Features

Napanee Generating Station Expansion and BESS Phases 1 & 2



Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com

Napanee Generating Station Expansion

Project Description and Site Plan

Project Description

Natural gas turbine to support the ongoing reliability of Ontario's electricity system.

Ability to burn hydrogen in the future.

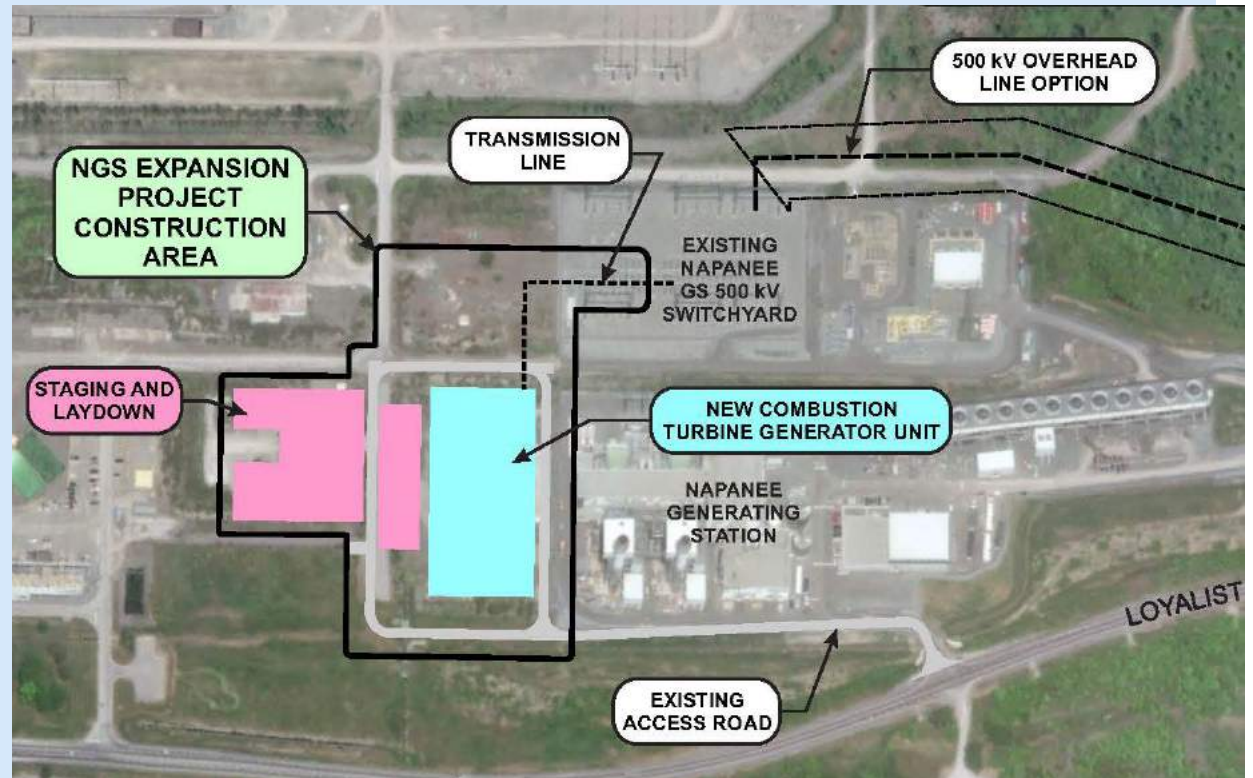
Project Capacity

Up to **450 MW** of electricity output.

Project Location

Located within the existing Lennox Generating Station boundary.

No expansion outside of zoned area.



Napanee BESS Phase 2*

Project Description and Site Plan

Project Description

The project will include:

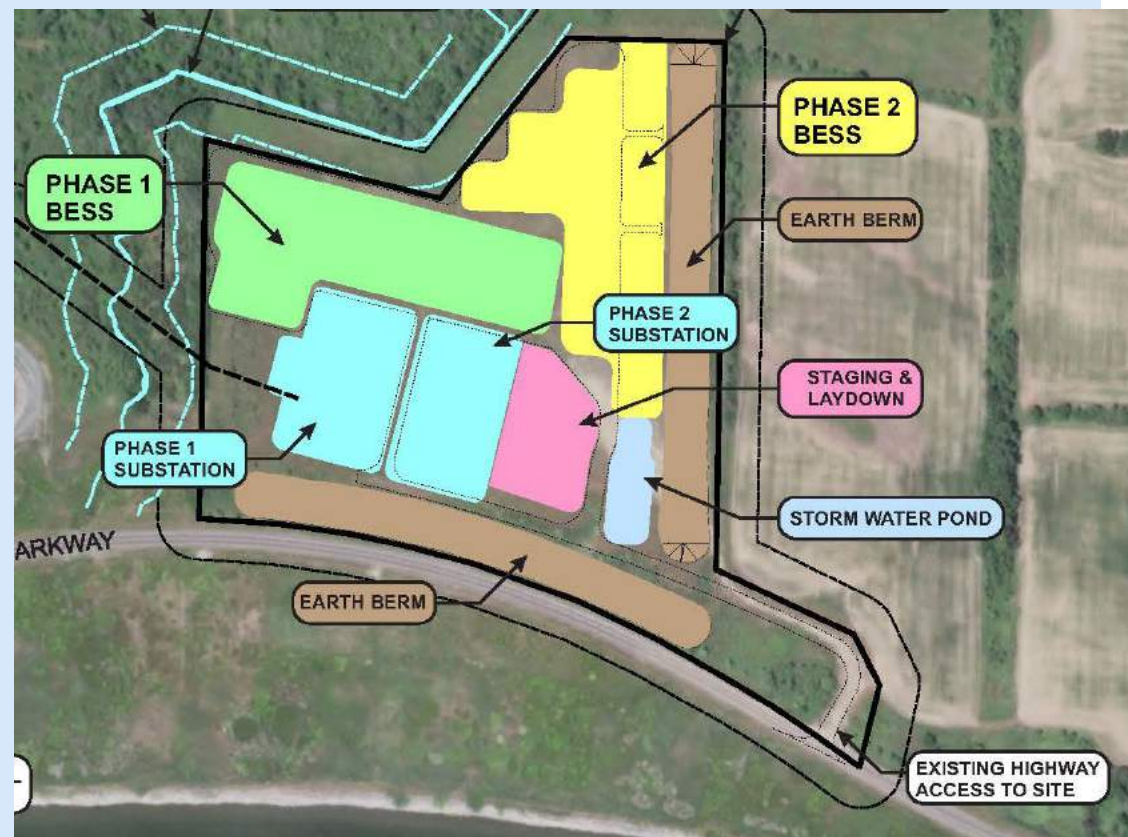
- Lithium-ion battery units
- A system that converts electrical alternating current to direct current for electricity storage
- Transmission connection facilities
- Transformers
- Emergency power and support buildings
- On-site operation and monitoring

Project Capacity

Up to **250 MW** of electricity storage and output for up to four hours.

Project Location

Located on the same property and beside the Napanee BESS Phase 1 project, east of the current Napanee Generating Station.

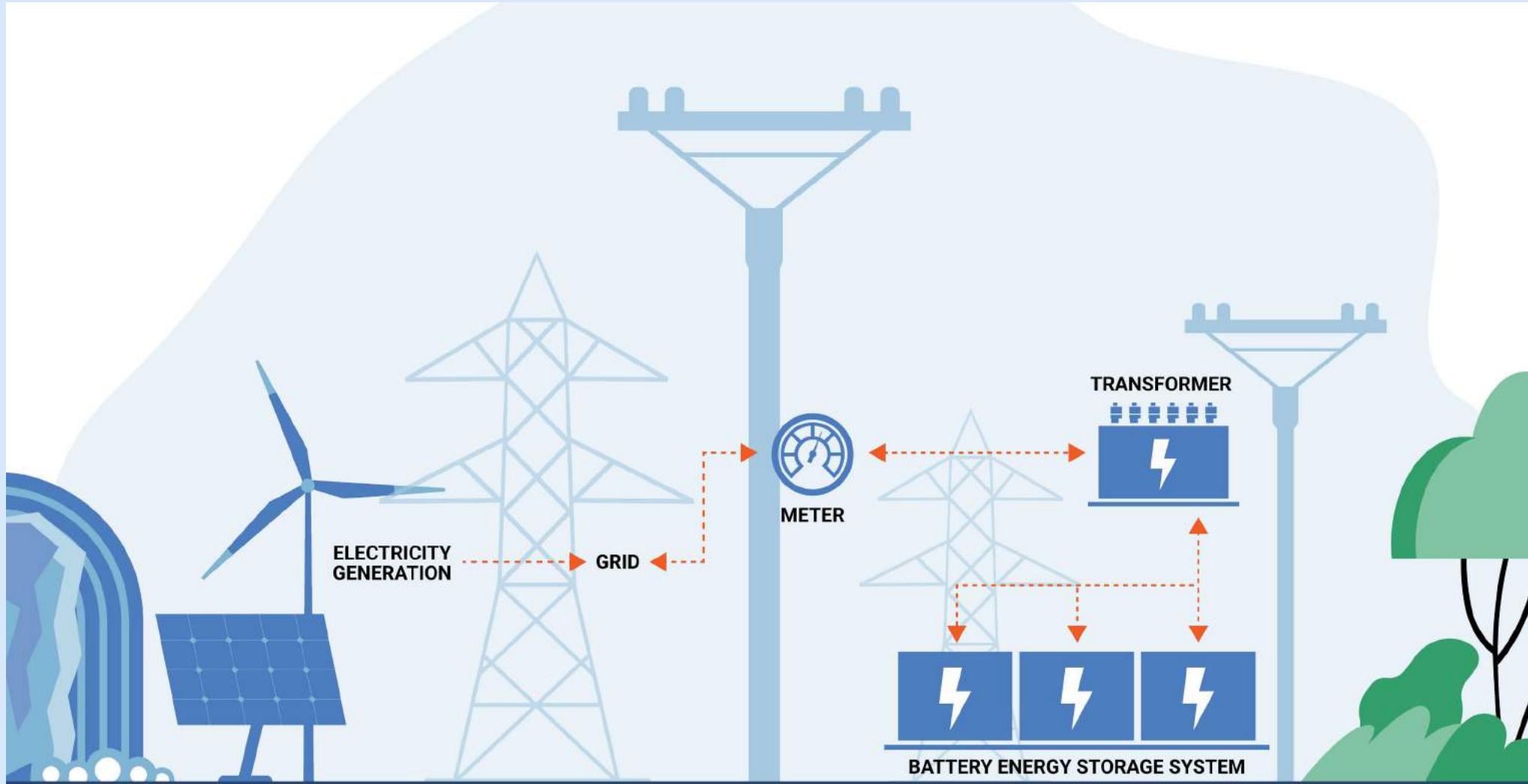


*BESS Phase 1 - 250 MW BESS facility contracted by the IESO through the Expedited Long-term Request for Proposals process (E-LT1 RFP)

Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com



How Battery Electricity Storage Works



Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com

Tested and Qualified for Safety

Battery System Safety



Atura Power is committed to designing and operating its facilities in the safest and most environmentally-responsible manner.

- BESS facilities are designed to meet National Fire Code of Canada & National Fire Protection Association (NFPA) 855 standards
- Batteries meet NFPA 855, Underwriters Laboratories (UL) 9540 standards and were chosen for safety record considering the number of years of experience, units deployed around the globe, and product improvements demonstrating continuous safety improvements
- Batteries tested under UL9540a unit level destructive tests to demonstrate safety systems
- The facility is designed to minimize impacts on surrounding environment by preventing soil contamination, minimizing noise, preventing battery fires, and safeguarding against fire spread





Atura Power is prepared for all possibilities to ensure the safety and resilience of its facilities.

Fire Prevention

- Hardware and software designed to detect and respond to any problems that might lead to fire risk
- Built-in safety features ensuring operations within specified parameters and performance ranges
- Thermal management system for maintaining safe operating temperatures to prevent fires

Fire Protection

- BESS units designed to prevent and contain fires
- Batteries self-contained in individual modules and spaced appropriately to minimize spread of any potential fire
- Batteries designed to burn out without impacting neighbouring battery units due to size and unit spacing





Atura Power is committed to ensuring the least possible environmental impacts in the unlikely event of a fire.

Water Suppression

- Water is not recommended for batteries, but available for fire suppression should an incident occur elsewhere
- Modules designed to prevent contact between water and batteries, producing no harmful levels of contaminants in water runoff during a fire

Minimal Emissions

- Minimal emissions from fires due to size and containment of batteries
- Release of gases similar to those of burning plastics
- Fumes quickly disperse in the atmosphere with no negative impact to air quality



Monitored during Operations

Battery System Safety



Atura Power staff remain on-site 24/7 to ensure facilities are operating smoothly and safely.

Operations

- 24/7 operations and maintenance by trained Atura Power staff
- 24/7 monitoring by BESS supplier allowing early detection, diagnosis and troubleshooting of system errors
- Procedures for controlling battery charging and discharge rates
- Procedures for taking the battery module offline if a problem is identified
- Continuous safety procedure improvements and software updates



Prepared with Safety Response Protocols

Battery System Safety



Atura Power prioritizes relationship and open communication with the local fire departments, maintaining protocols to ensure firefighter and community safety.

Engagement with Local Fire Department

- Collaborating with the Fire Department on the development of a comprehensive site-specific emergency response plan
- Training and provision of educational resources to safety, personal for up-to-date industry learnings, and proper safety procedures

Emergency Response Measures

- On-site Atura Power staff to monitor the facility and respond quickly to incidents
- Immediate notification of Fire Department, who will respond and assess the situation as per fire plan
- Fire Department set up at safe distances to allow the battery unit to burn itself out in a controlled manner
- Air quality monitoring set up as per response plan
- Use of water suppression only for fire incidents affecting other parts of the facility (non-battery fires)
- Live technical support from BESS supplier for first responders



Project Timelines

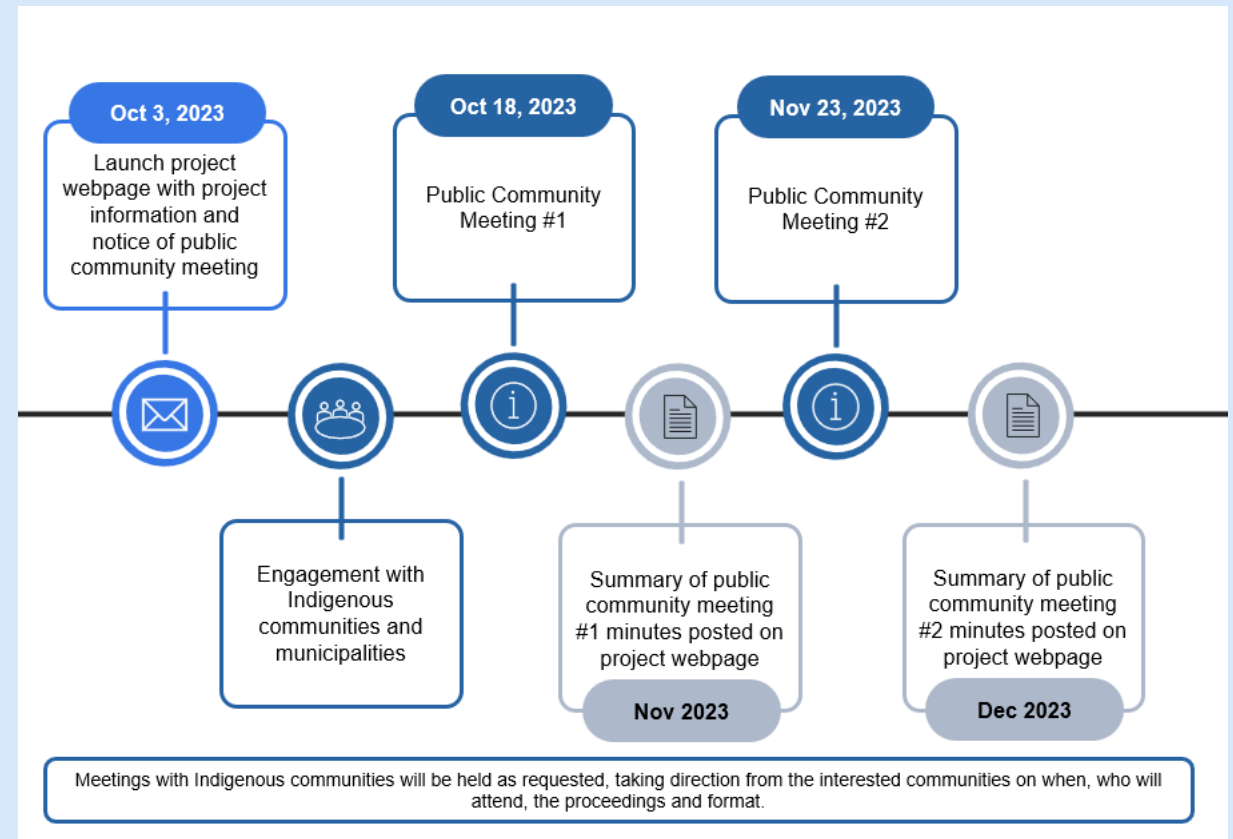
Activity	Generating Station Expansion	BESS Phase 2
LT1 Proposal Submission	December 12, 2023	December 12, 2023
IESO Contract Offer Announcement	May 2024	May 2024
Target Construction Start	2025	2025
Operations	2028	2027

Atura Power will complete project-specific Environmental Assessment processes and obtain 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 webpages
- Napanee Generating Station Expansion and BESS Phase 2 LT1 proposals submitted to the IESO in December



**We now welcome
your questions or
comments**



Thank You

Email the project contact or visit the project webpage for more information.

Napanee Generating Station Expansion

 **napaneeexpansion@aturapower.com**

 **aturapower.com/napaneeexpansion**

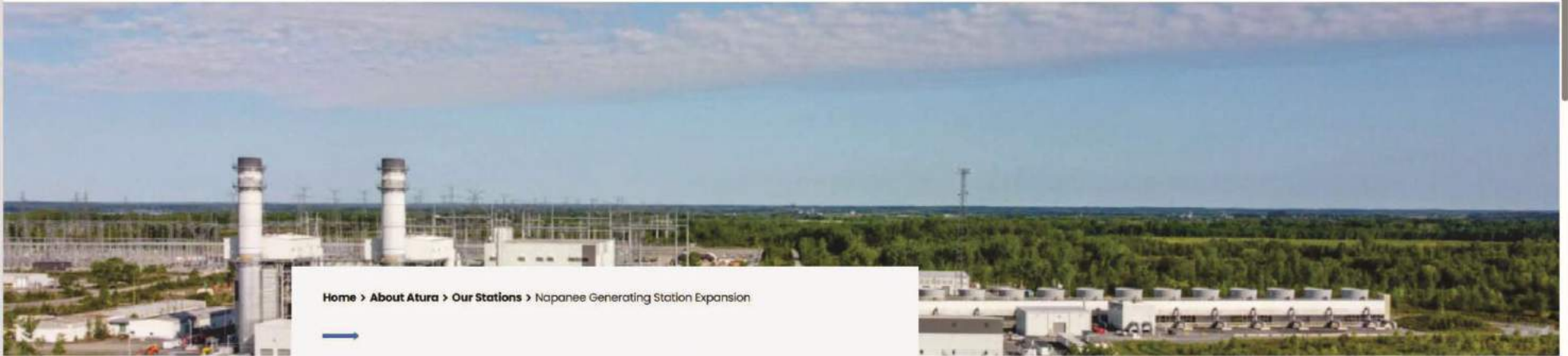
Napanee BESS Phase 2

 **napaneebess2@aturapower.com**

 **aturapower.com/napaneebess2**

Appendix B

Webpage Screenshot



[Home](#) > [About Atura](#) > [Our Stations](#) > Napanee Generating Station Expansion

Napaneew Generating Station Expansion

Project overview

Atura Power, a subsidiary of Ontario Power Generation (OPG), is planning to expand the electricity generation capacity of its Napanee Generating Station (NGS). The proposed Napanee Generating Station Expansion is located north of the Lake Ontario shoreline in the Town of Greater



Appendix C

Letter to Landowners and Municipalities

Atura Power

[Date]

[Recipient]

[Address]

[Address]

Dear Neighbour,

You are invited to a virtual public community meeting for the Napanee Battery Energy Storage System Phase 2 and Napanee Generating Station Expansion

This letter is to inform you that Atura Power, a subsidiary of Ontario Power Generation, is providing an additional opportunity to learn about the Napanee Battery Energy Storage System Phase 2 (Napanee BESS Phase 2) and Napanee Generating Station Expansion projects.

After more than a decade of strong supply, Ontario is entering a period of emerging electricity system needs, driven by increasing demand, the refurbishment of existing generating assets, as well as expiring contracts for other electricity-producing facilities.

Atura Power is proposing to develop the Napanee BESS Phase 2 and expand the capacity of its Napanee Generating Station (NGS) to support year-round electricity generation and storage capacity in Ontario. These projects are part of a Long-term Request for Proposals (LT1 RFP) led by the Independent Electricity System Operator (IESO). The proposed Napanee Generating Station Expansion and Napanee BESS Phase 2 will be located north of the Lake Ontario shoreline in the Town of Greater Napanee, Ont. The Napanee BESS Phase 2 is to be located on the same property and directly adjacent to the Napanee BESS Phase 1 project, east of the current NGS boundary, in an area previously used for laydown and parking. The Napanee Generating Station Expansion is to be located between the existing NGS and Lennox Generating Station.

The proposed Napanee BESS Phase 2 includes:

- Battery units and a system to convert electrical alternating current to direct current for electricity storage.
- Storage and output of up to 265 megawatts (MW) of electricity for up to four hours to Ontario's electricity grid.
- Ancillary components such as transformers, emergency power, support buildings and transmission connection facilities.

The proposed Napanee Generating Station Expansion includes:

- Adding a hydrogen-ready simple cycle combustion turbine generator unit.
- Output of up to 450 MW of electricity to Ontario's electricity grid.

Our goal is to keep an open line of communication with you as we progress through the IESO LT1 process. As an update, we held a public community meeting to provide details about the projects on Wednesday, Oct. 18, 2023. The public community meeting minutes for both projects, including questions and answers from the public community meeting, can be found on the webpages below.

To provide an additional opportunity to learn about the proposed Napanee Generating Station Expansion and Napanee BESS Phase 2 projects, we are extending an invitation to you to attend our upcoming virtual public community meeting.

Please access the link to join the public community meeting on either of the project webpages noted above.

How to Join	Date:	Thursday, Nov. 23, 2023
	Time:	6:30 to 7:30 p.m. Eastern Time
	Project Webpage:	See Project Contacts below

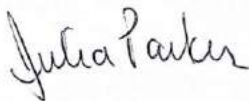
Though this will be the second public community meeting regarding the Napanee BESS Phase 2 and Napanee Generating Station Expansion projects, the meeting materials will be similar as presented at the public community meeting held on Wednesday, Oct. 18, 2023.

If you require accommodation related to the virtual public community meeting, please contact the project team by sending an email to either of the contacts below.

If you are unable to participate in the second meeting, meeting materials are posted on both project webpages for review.

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Napanee Generating Station Expansion	aturapower.com/napaneeexpansion	napaneeexpansion@aturapower.com

Sincerely,



Julia Parker
Project Manager – Environmental and Municipal Approvals
Atura Power

Appendix D

Letter to Indigenous Communities

Atura Power

[Date]

[Recipient]

[Address]

[Address]

You are invited to a virtual public community meeting for the Napanee Battery Energy Storage System Phase 2 and Napanee Generating Station Expansion

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The proposed Napanee Generating Station Expansion includes:

- Adding a hydrogen-ready simple cycle combustion turbine generator unit.
- Output of up to 450 MW of electricity to Ontario's electricity grid.

Atura Power is continuing to engage with Indigenous communities for the Napanee BESS Phase 2 and Napanee Generating Station Expansion, following the IESO's engagement LT1 RFP requirements.

We have been in touch with your staff to arrange meetings and provide information about the Napanee BESS Phase 1 project. Atura Power is currently looking to expand our engagement with you to better understand your preferences for engagement and participation with the proposed Napanee BESS Phase 2 and Napanee Generating Station Expansion projects. We

will continue to respect your consultation protocols and are keen to meet with your leadership, staff, and community to discuss these projects in greater detail.

Our goal is to keep an open line of communication with you as we progress through the IESO LT1 process. As an update, we held a public community meeting to provide details about the projects on Wednesday, Oct. 18, 2023. The public community meeting minutes for both projects, including questions and answers from the public community meeting, can be found on the webpages below.

To provide an additional opportunity to learn about the proposed Napanee Generating Station Expansion and Napanee BESS Phase 2 projects, we are extending an invitation to you to attend our upcoming virtual public community meeting.

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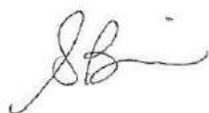
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Sincerely,



Shelley Babin
President and CEO
Atura Power

Appendix E

Newspaper Notice

Invitation to a Virtual Public Community Meeting

Napanee Battery Energy Storage System and Napanee Generating Station Expansion

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After more than a decade of strong supply, Ontario is entering a period of emerging electricity system needs, driven by increasing demand, the refurbishment of existing generating assets, as well as expiring contracts for other electricity-producing facilities.

The proposed Napanee BESS Phase 2 and Napanee Generating Station Expansion projects will increase Ontario's electricity storage and production, support grid reliability, and help advance Ontario's path to a net-zero future.

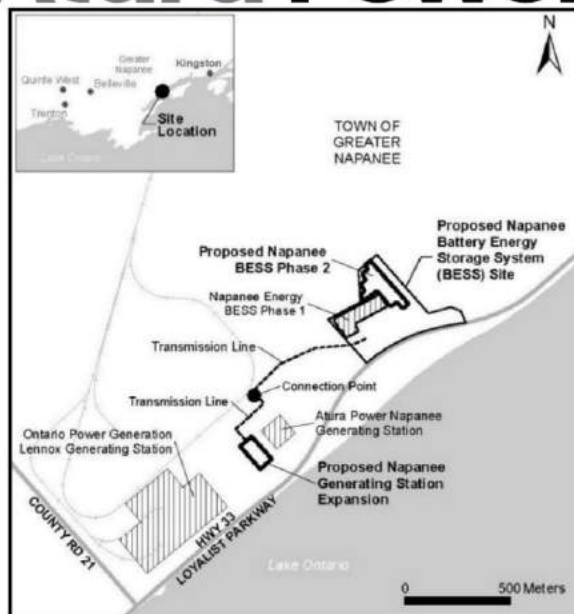
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The proposed Napanee BESS Phase 2 project will be able to store and output up to 265 megawatts (MW) of electricity for up to four hours to Ontario's electricity grid. The project includes battery units and a system that will convert electrical alternating current to direct current for electricity storage, as well as ancillary components such as transformers, emergency power, support buildings and transmission connection facilities. The proposed Napanee Generating Station Expansion project includes adding a hydrogen-ready simple cycle combustion turbine generator unit, that will provide up to 450 MW of electricity output to Ontario's electricity grid. The proposed projects are located north of the Lake Ontario shoreline in the Town of Greater Napanee, Ont. The BESS will be located east of the current Napanee Generating Station (NGS) boundary, in an area previously used for laydown and parking, and the Napanee Generating Station Expansion will be between the existing NGS and Lennox Generating Station.

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Atura Power



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Riders of Via's Train 651 dismayed as popular commuter line remains absent

BY ADAM PRUDHOMME

Editor

Optimism was in the air for commuters across eastern Ontario last month when Via Rail announced it would be returning to service levels not seen since the pandemic.

Those good feelings were soon derailed however when it became apparent that the much discussed Train 651 was not included in the announcement. Instead the new lines focused on Toronto to Ottawa and London.

That was much to the frustration of riders from Kingston through Cobourg who relied on the weekday commuter train to deliver them to Toronto's Union Station at 8:30 a.m. At its height, the train was carrying some 2,800 people who lived in communities like Greater Napanee to their downtown jobs in Toronto. The service was paused during the pandemic, which Via Rail attributed to a dip in ridership as more people were working from home. Though a lot of workers have since returned to in-person, the train service is still noticeably absent.

In September of 2022, Greater Napanee joined communities across eastern Ontario in submitting a letter to the president of Via Rail, calling for the return of Train 651 on behalf of the

residents who relied on the service.

Terry Richardson was a member of council when Napanee made that motion and is looking to continue the push as mayor.

"I went to looking to see if the line though Napanee, 651, was there, and it wasn't," Richardson said upon hearing the news of Via's increased services. "Obviously it's important to us and we're willing to work with those neighbouring municipalities to try and shake things up and see if we can get things going. It's important. We think about people coming from Napanee and getting to places along that line, but with the exponential growth that I think we're going to experience here, with the industrial growth, residential growth and even commercial growth, I think part in partial with the Umicore project in Loyalist, we're not only going to have people from here going to other places, but we're going to have people wanting to come here on that commuter train."

When reached for comment, Via offered the following statement.

"After careful and continued evaluation of the evolution of the new work from home reality and current business travel habits, and faced with labour and equipment shortages, VIA Rail is unable to resume its

full pre-pandemic schedule in the Québec City – Windsor corridor for the time being, which impacts several trains, including 650/651," reads the statement. "We understand that this can be disappointing for some communities, but like other businesses in the transportation industry, we are working to find the balance between meeting our passengers' evolving travel needs and deploying our limited equipment and staff to provide service to the highest number of Canadians. With the ongoing progressive introduction of VIA Rail's 32 new trainsets, along with sustained recruitment and training efforts, VIA Rail is rebuilding its car inventory and workforce, which should allow the Corporation to reintroduce some suspended frequencies when the conditions allow."

According to the CBC, Via Rail reported operating losses of \$120 million last quarter and hasn't turned a profit since 2017.

Richardson said Napanee on its own may not be able to make much headway, but in partnering with communities along the rail line, they may be able to keep pushing the matter.

"I realize that Via is a business and they have business plans I'm sure to



Adam Prudhomme-Staff

A Via train rolls over the bridge at Springside Park.

Invitation to a Virtual Public Community Meeting

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Project Description

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Greater Napanee

GREATER FOR MANY REASONS

**Fall 2023
Leaf & Brush Collection**

Monday, November 20th, 2023

The Public Works Department will be performing a second fall leaf and brush pickup due to a late seasonal change. Material that does not meet specific collection requirements will not be picked up. The collection date may change pending weather conditions and staff scheduling, however, the material must be at the curb on this scheduled date as Public Works crews will begin the final collection within the urban area.

Material must be at the curbside NO LATER THAN 7:00 A.M. on Monday, November 20th, 2023.

Rural residents must call the Infrastructure Services Department at 613-354-3351 ext. 113 to arrange for pickup.

- Leaves are to be bagged using paper bags.
- Branches are to be bundled no longer than 5 feet in length and no larger than 4 inches in diameter.
- Paper bags and brush left at the curbside after your area has been collected will not be picked up.
- Residents who reside on private roads/lanes must bring the materials to the main intersection for curbside collection.

As a reminder, our municipal waste disposal sites accept the above noted materials free of charge year-round. Should residents wish to take brush and leaves directly to our sites, please see site information listed below:

South Fredericksburgh Waste Disposal Site
651 Road 1
Saturdays from 8:00 am – 3:00 pm

Roblin Waste Transfer Site
232 Roblin Road
Saturdays from 8:00 am – 3:00 pm

Please direct any questions to the Infrastructure Services Department at 613-354-3351 ext. 113.

Appendix F

Hand Delivery Location Map



Atura Power