

Atura Power

Napanee Generating Station Expansion

**Minutes of Public Community Meeting
on Wednesday, October 18, 2023**

NOVEMBER 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
- dB..... decibel(s)
- 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

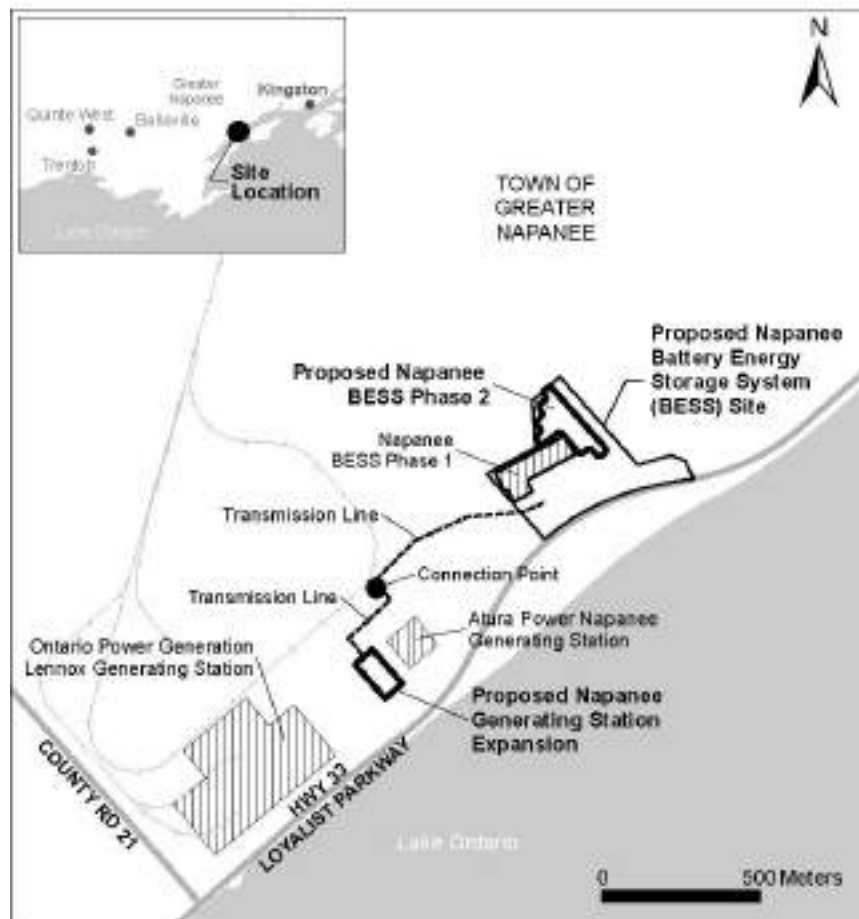
1. Introduction

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 Wednesday October 18, 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.

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 is 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 public community meeting;
- **Section 3** Summary of the Public Community Meeting – outlines details of the 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; and

- **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 project display boards and 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 display boards and presentation include 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&A) session that occurred following the meeting’s presentation as well as questions heard during the course of 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 public community meeting. In accordance with the IESO's public and Indigenous community engagement requirements, Atura Power developed a project webpage and distributed 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.

Along with this meeting minutes document, the webpage contains the name of the project, its nameplate capacity and what type of generating technology the project will use. 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 notice of the public community meeting, 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 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. 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;
- Curve Lake First Nation;
- Chippewas of Georgina Island First Nation;
- Chippewas of Rama First Nation;
- Hiawatha First Nation;
- Huron Wendat Nation;
- Kawartha Nishnawbe;
- Mississaugas of Scugog Island First Nation; and
- Mohawks of the Bay of Quinte First Nation.

Notification letters to Indigenous communities were sent on Tuesday, October 3, 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, October 5,

2023, to notify the public at large about the 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 also hand delivered on Thursday, October 5, 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 public community meeting. The hand delivery location map can be found in **Appendix F**.

3. Summary of Public Community Meeting

On Wednesday, October 18, 2023, Atura Power held a public community meeting to engage with the public about the project, answer questions regarding the project, and fulfil 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 Wednesday, October 18, 2023, from 4:00 p.m. to 8:00 p.m. Eastern Time at the South Fredericksburgh Hall in Greater Napanee, Ontario. 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). Photographs of the event are included below in **Figure 2**.

Figure 2: Photographs of Public Community Meeting





3.1.1 Attendance

Twenty-two individuals attended the meeting. Attendees were comprised mainly of adjacent property owners and other citizens. The Deputy Fire Chief for Greater Napanee also attended. For the purpose of documentation, attendees were asked to sign in upon arrival.

3.2 Meeting Format and Materials

The public community meeting format and materials are described below.

3.2.1 Meeting Format

The in-person public community meeting was set up in an open house style where attendees could peruse the display boards and discuss the project with the project team. The meeting materials provided information on both the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects. As advertised in the public community meeting notifications, at 5 p.m. project team representatives gave a presentation which was followed by a Q&A period where attendees could ask questions on both the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects. The Q&A session ended at approximately 6:30 p.m. A second presentation was planned to occur at 7:00 p.m.; however, no attendees were present at the time. A summary of the questions asked during the meeting is provided in **Section 4**.

3.2.2 Meeting Materials

The public community meeting materials included a presentation deck, display boards and roll-out maps that contained information for both the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects (see **Appendix A**).

3.2.2.1 Presentation Deck and Display Boards

Atura Power prepared display boards that were placed on easels around the venue of the public community meeting. A presentation deck with similar information as the display boards was also prepared and delivered to attendees. The presentation and display boards include the legal name and contact information for Atura Power, gives a description of the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects, including the names of the projects, nameplate capacities, types of technology proposed, and shows a map of the boundaries of the project sites, connection point and transmission lines.

Copies of the presentation deck and display boards 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.

3.2.3 Roll-out Maps

Roll-out maps were created for the project to highlight the area around the project sites. **Appendix A** contains a copy of the maps created for the meeting.

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 and **Table 2** are 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 Phase 2 projects, as well as questions specific to the Napanee Generating Station Expansion project.

Table 1: Summary of Questions and Reponses – General Questions

Question / Comment	Atura Power Response
What does Atura Power have to do with Hydro One?	Atura Power generates electricity, and Hydro One distributes it through their transmission system. We are separate organizations and provide different services.
Is Atura Power for-profit?	As a subsidiary of OPG, Atura Power is owned by the province of Ontario and any profits go to the shareholder, the province.
So, the province is the shareholder, the Ford government just changed how you can buy power now, if you want to buy all your power at night, and turn around and sell it at a premium at high points during the day, is that part of your business plan?	Atura Power does not dictate the price that customers pay for electricity, nor do we set government policies. Our business is to safely, reliably and affordably generate electricity to meet the needs of Ontarians.
Who makes up IESO? Who are the people involved? IESO is going to be the ones choosing whether this goes through, right?	<p>The IESO works at the heart of Ontario’s power system as the system operator, directing the flow of electricity across the grid and administering the wholesale electricity market.</p> <p>It sets the hourly Ontario electricity price and ensures there is enough power to meet the province’s energy needs in real time.</p> <p>The IESO works with stakeholders and communities across the province to plan and secure energy for the future, as well as to guide conservation efforts in Ontario.</p> <p>The IESO has a role in planning for and competitively procuring resources that meet Ontario’s needs today and into the future. These may be met through</p>

Question / Comment	Atura Power Response
	<p>diverse resources such as wind, solar, hydro, biomass, nuclear, natural gas, demand response, conservation, storage or other innovative technologies.</p> <p>The IESO is governed by an independent board of directors that is appointed by the Government of Ontario. Its fees and license are set by the Ontario Energy Board (the “OEB”) and it operates independently of all other participants in the electricity market.</p>
<p>On what knowledge did town council approve this project? What information was given to the Napanee Town Council, and where did the information come from?</p>	<p>Members of the Town of Greater Napanee Council and key town staff members were mailed or emailed letters about the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects and the IESO LT1 process on Oct. 3, 2023. Representatives of Atura Power also discussed these projects with the Town’s General Manager/Chief Building Official on Sept. 22, 2023.</p>
<p>What happens if Town Council opposes the project?</p>	<p>If Council oppose the project, then it is unlikely that we would develop it. We want Council’s and the community’s support as this is important for Atura Power.</p>
<p>Can you put this Q&A in the local paper so that more people are aware?</p>	<p>The Q&A will be a very long, multi-page document so it is not practical to place it into a newspaper. However, we will put a notice in the paper that this event took place and publish the webpage address, where a summary of the questions and answers are available.</p>
<p>Can you put in an abbreviated version of the Q&A?</p>	<p>The webpage will be updated with new and revised project materials as they come available.</p>
<p>You put it in <i>The Napanee Beaver</i> so Napanee people know what’s going on. Did you put it in the <i>Whig Standard</i> [Kingston paper]?</p>	<p>No, these projects are in Greater Napanee so we’re focused on the Greater Napanee community, not Kingston.</p>

Table 2: Summary of Questions and Reponses - Project-Specific Questions

Question / Comment	Atura Power Response
For the new gas plant, how many MW will it generate?	The new turbine will be able to generate up to 450 megawatts.
Will there be stacks?	There will be one stack that will be shorter than the current Napanee and Lennox generating station stacks.
If you're storing the power at night, is that when the turbine is going to be running?	The turbine will operate to meet peak electricity demand periods.
What are you examining in your environmental study?	The detailed list of studies is still being determined but the following studies will be required: archeological study, ecological study, cultural heritage study, air and noise modelling, traffic study, land use planning assessment and stormwater management plan.
What are the environmental concerns?	The environmental concerns will be determined through the environmental assessment process. At this time, it is not thought that this project will have significant environmental concerns. A benefit of the location is that the project is sited on ground that has been previously disturbed, so new disturbance is required.
What about species at risk? Because we're in a migratory route.	The ecological studies for this project will be done as part of the permitting process.
What's the noise going to be?	The project will not exceed the Ministry of the Environment, Conservation and Parks (MECP) 40-decibel (dB) sound limit at night nor the 45 dB MECP limit during the day. We are considering installing sound walls as part of this project.

Question / Comment	Atura Power Response
Will this project be adding to the noise that's already there from the other surrounding facilities?	The noise limits mentioned above cannot be exceeded. The limits that the MECP set are designed to ensure that the existing noise conditions will not be significantly changed once the project is built. The project has been designed to remain within the limits set by MECP.
Between these projects and all the other ones going on in the area (LaFarge, Lennox, etc.) will these all be running at the same time, or will some shut off while others go on?	The IESO dispatches electricity generation based on system needs. The NGS will operate when it is requested by the IESO.

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 3**.

Table 3: Project Timeline

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

Public and Indigenous engagement as part of the LT1-RFP process will continue to take place over the fall of 2023. 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

Display Boards

Atura Power



Napanee Generating Station Expansion & Napanee Battery Energy Storage System Phase 2

Public Community Meeting



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

Wednesday, October 18, 2023



Why we are here

The purpose of this public community meeting is to:

- Share information about the Napanee Generating Station Expansion and Phase 2 of the Napanee Battery Energy Storage System (BESS) projects
- Answer your questions



Land Acknowledgement

As a visitor to your community and lands, we have an important responsibility to acknowledge the grounds which we are privileged to gather on today.

Our project is located in the traditional and treaty territory of the Mississauga Anishinaabeg. We believe that it is not only important to recognize 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 neighboring location of Tyendinaga. We further recognize 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.

About Atura Power

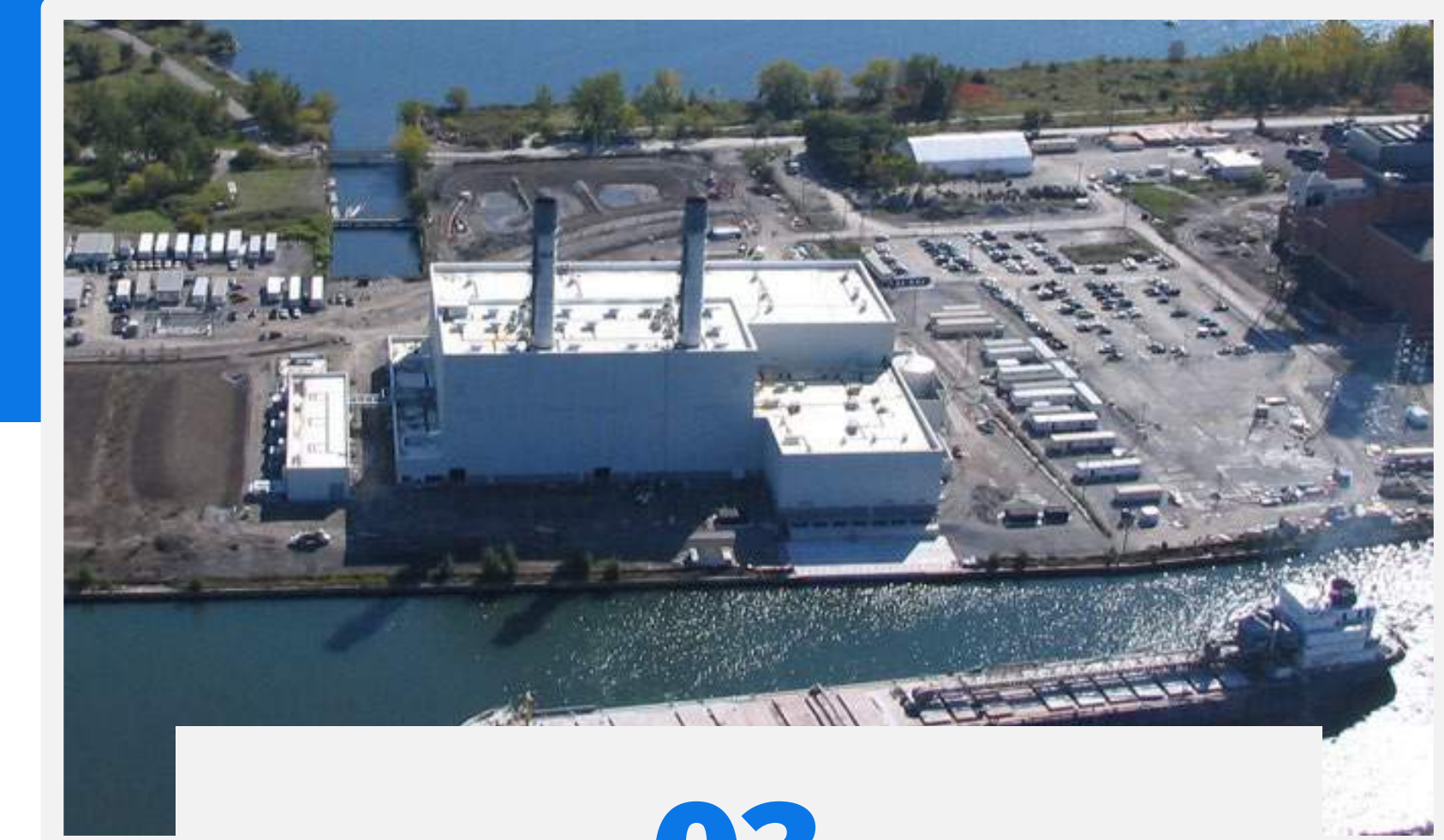
Atura Power's Fleet of Generation Assets

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



02

Halton Hills
Generating Station
Capacity 683 MW



03

Portlands Energy Centre
Capacity 550 MW



04

Napane Generating Station
Capacity 900 MW



01

Brighton Beach
Generating Station
Capacity 570 MW

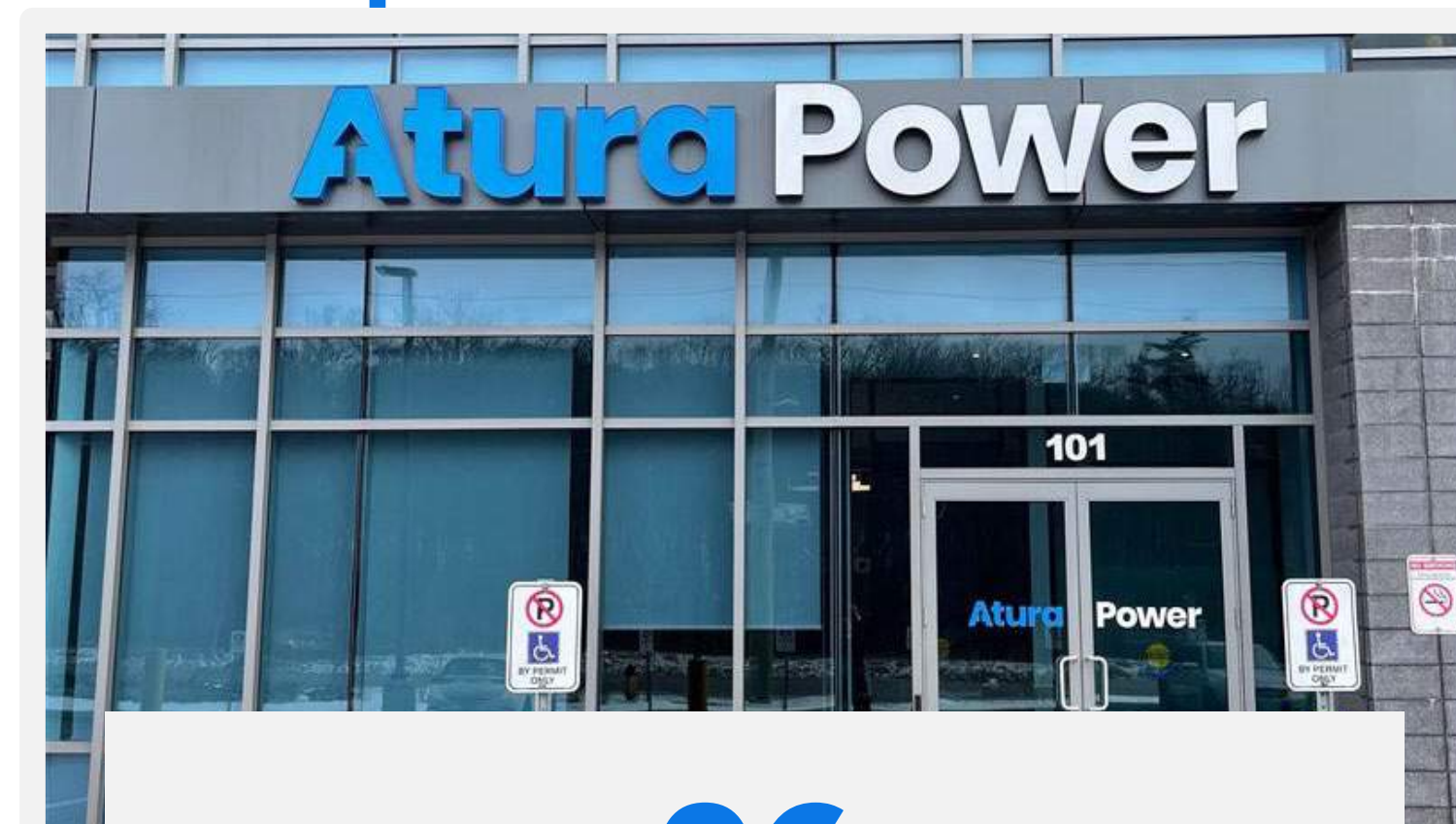
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Oakville Head Office



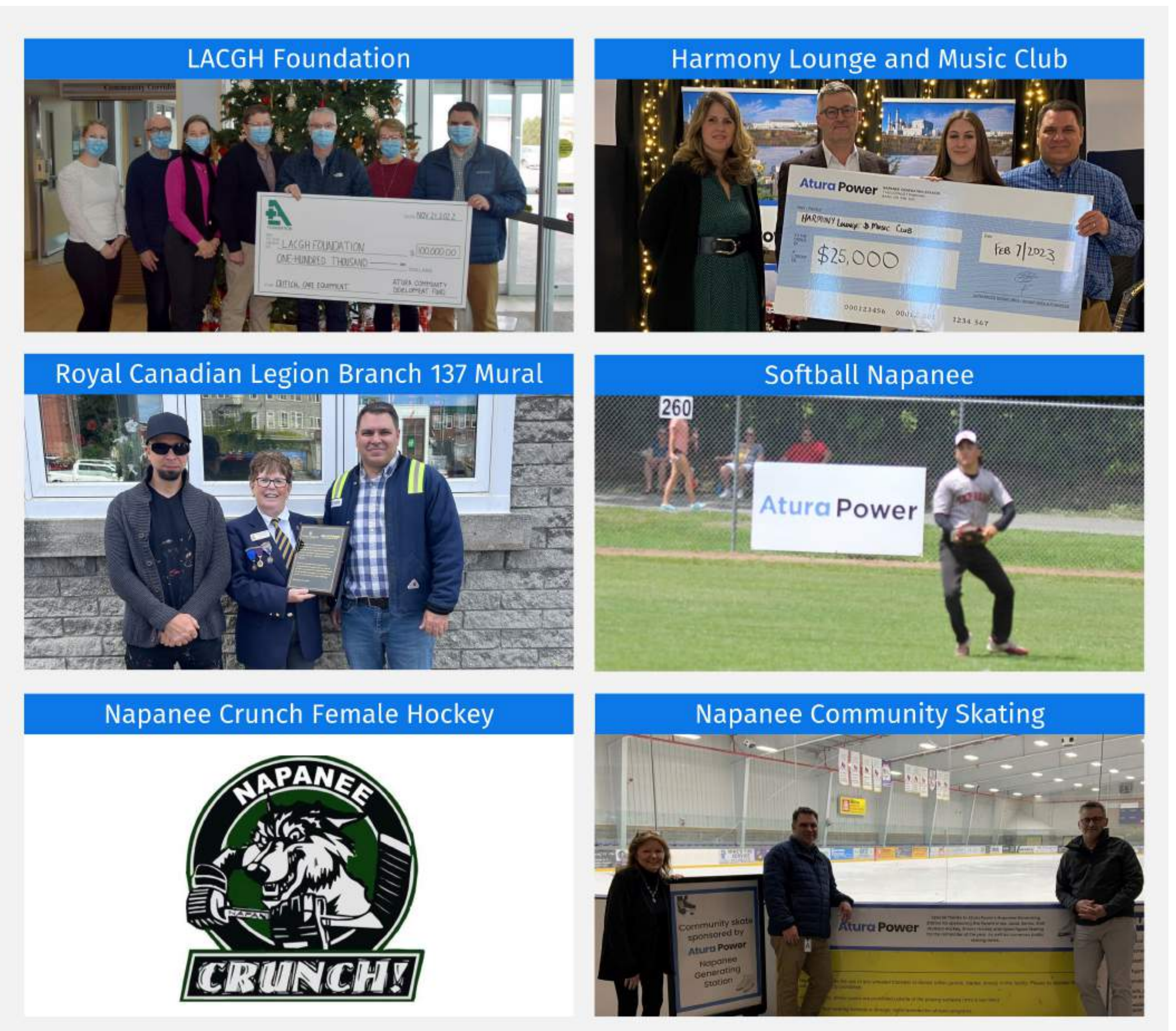
05

Napane Battery Energy Storage
System Phase 1
Capacity 250 MW

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 and 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



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 states that an additional 4,000 MW are needed by the end of the decade
- IESO is implementing procurement processes to secure new electricity resources that could be in service by 2027-2028; Atura Power qualified in the IESO's Long-Term (LT1) procurement process
- The Napanee Generating Station Expansion and Napanee BESS Phase 2 projects are part of Atura Power's efforts to increase Ontario's electricity supply, support grid reliability, and help us get to net-zero

Supply Mix

Combination of Electricity Storage and Natural Gas

The IESO wants to meet the 4,000 MW electricity system need through 2,500 MW of electricity storage and 1,500 MW of natural gas generation.

Electricity storage and natural gas generation provide complementary functions.

ELECTRICITY STORAGE:

- Improves electricity system efficiency by shifting overnight renewable electricity production to daytime periods when it is most needed
- Supply grid peak demand for up to four hours

NATURAL GAS GENERATION:

- Back-up electricity for longer periods of time to ensure reliability in all conditions (during extreme weather and extended periods of low wind / solar power generation)
- The Napanee Generating Station Expansion is expected to operate less frequently than electricity storage and would be called on when peak needs exceed four hours (i.e., after electricity storage resources have been fully utilized)

Natural Gas Synergy With Solar

Natural Gas Backs Up Wind and Solar Generation

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 so it is critical to have resources available that can generate electricity during those periods.

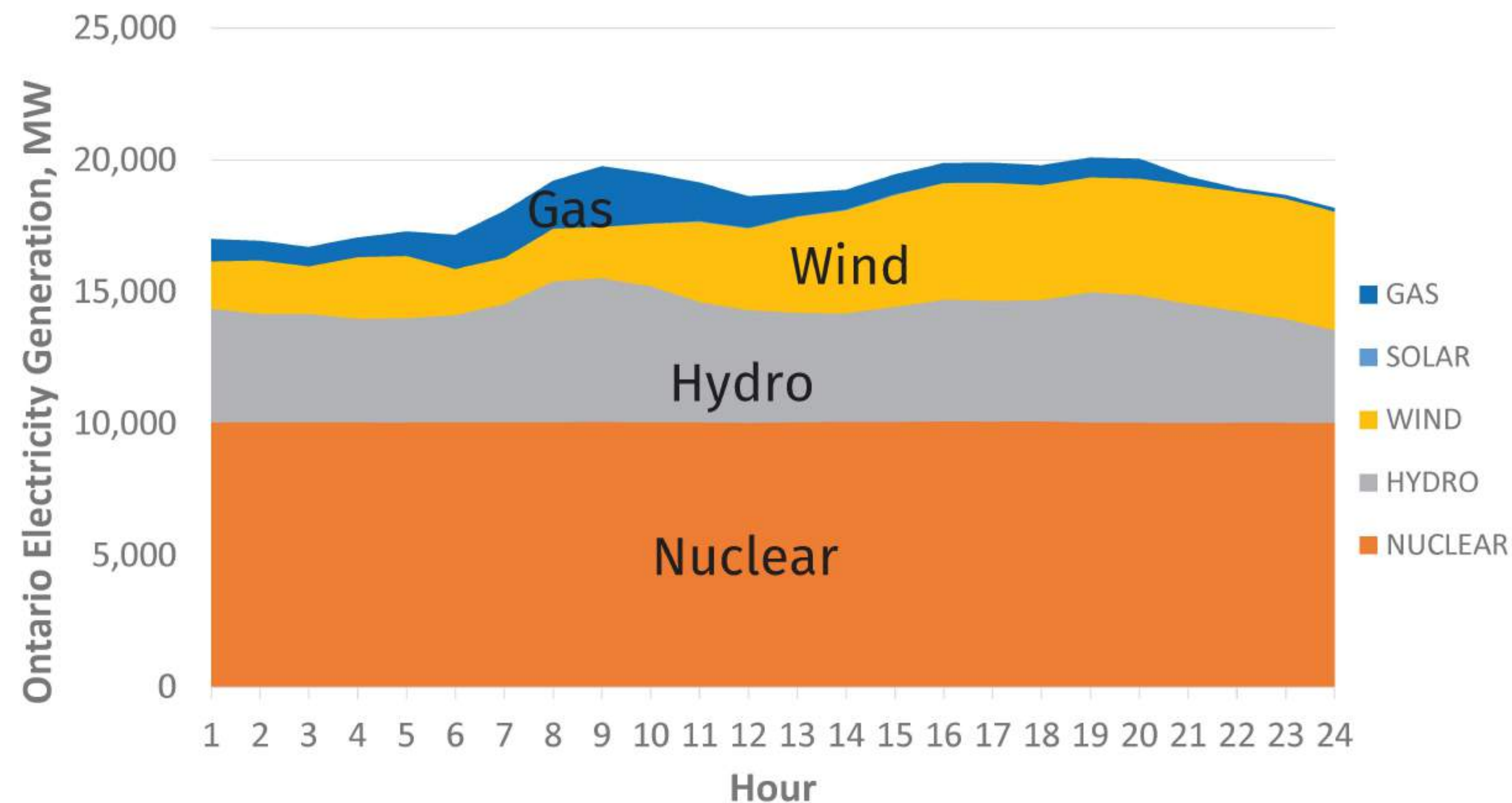
July 1 to 10, 2023, was a period of consistently low wind and Ontario's ~4,900 MW of wind generation operated at an average of 426 MW - roughly 9 per cent of nameplate capacity – during this period, three of the top six highest electricity demand hours of 2023 occurred.

Natural gas generation operates regardless of weather conditions to ensure system reliability and support wind and solar generation in the electricity system.

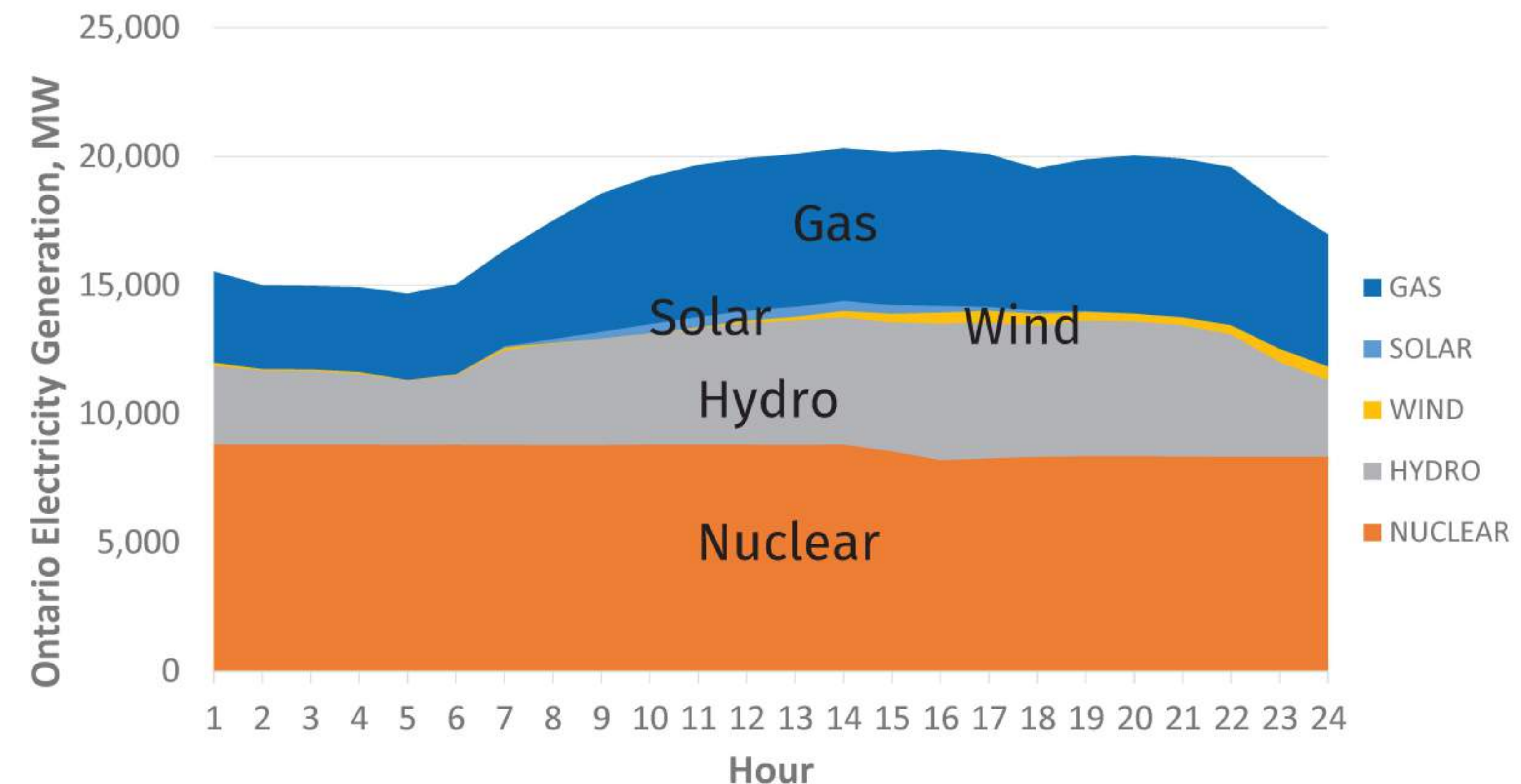
Natural Gas Operation

Natural Gas Backs Up Wind and Solar Generation

January 27, 2023 - High Wind Day



July 4, 2023 - Low Wind Day

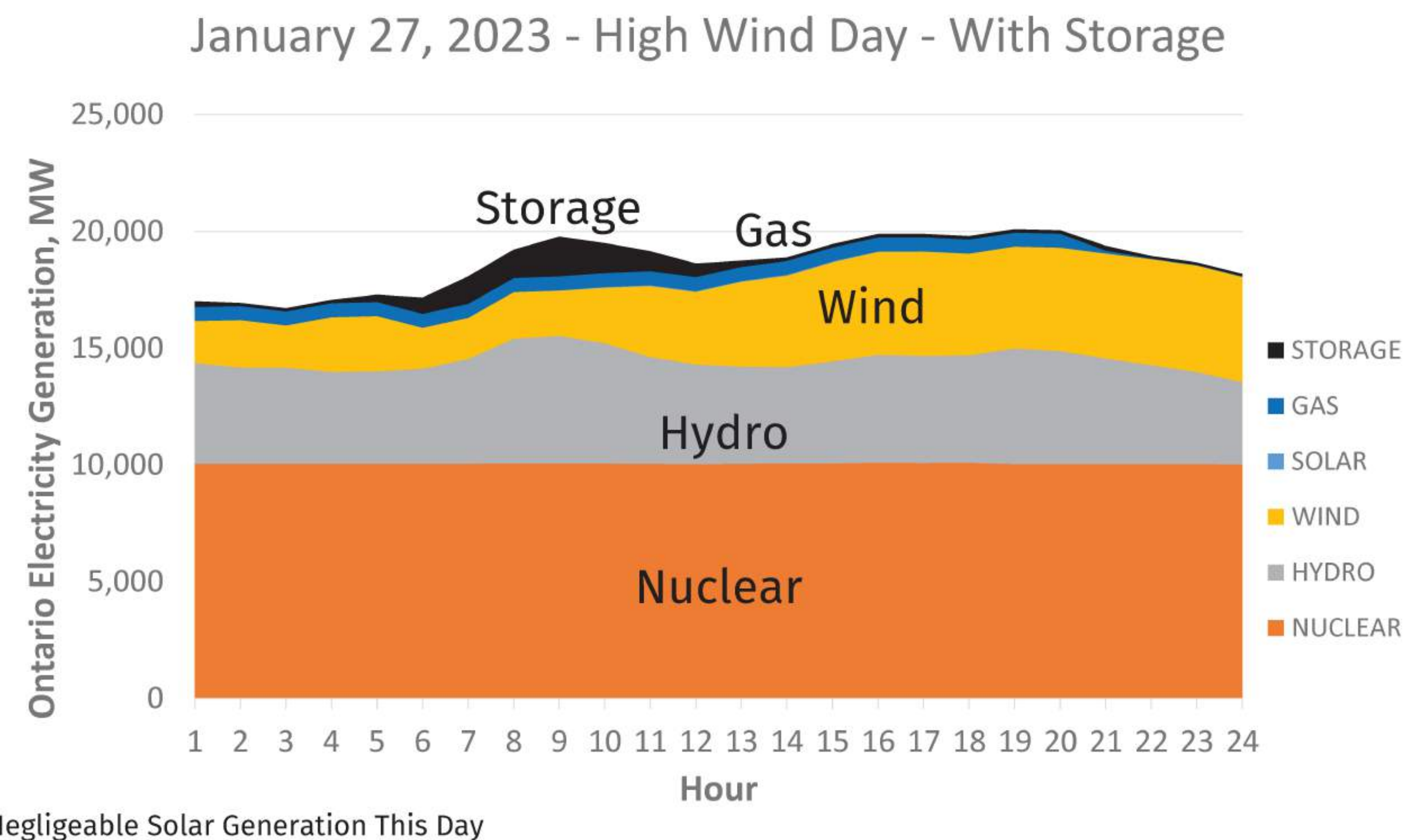
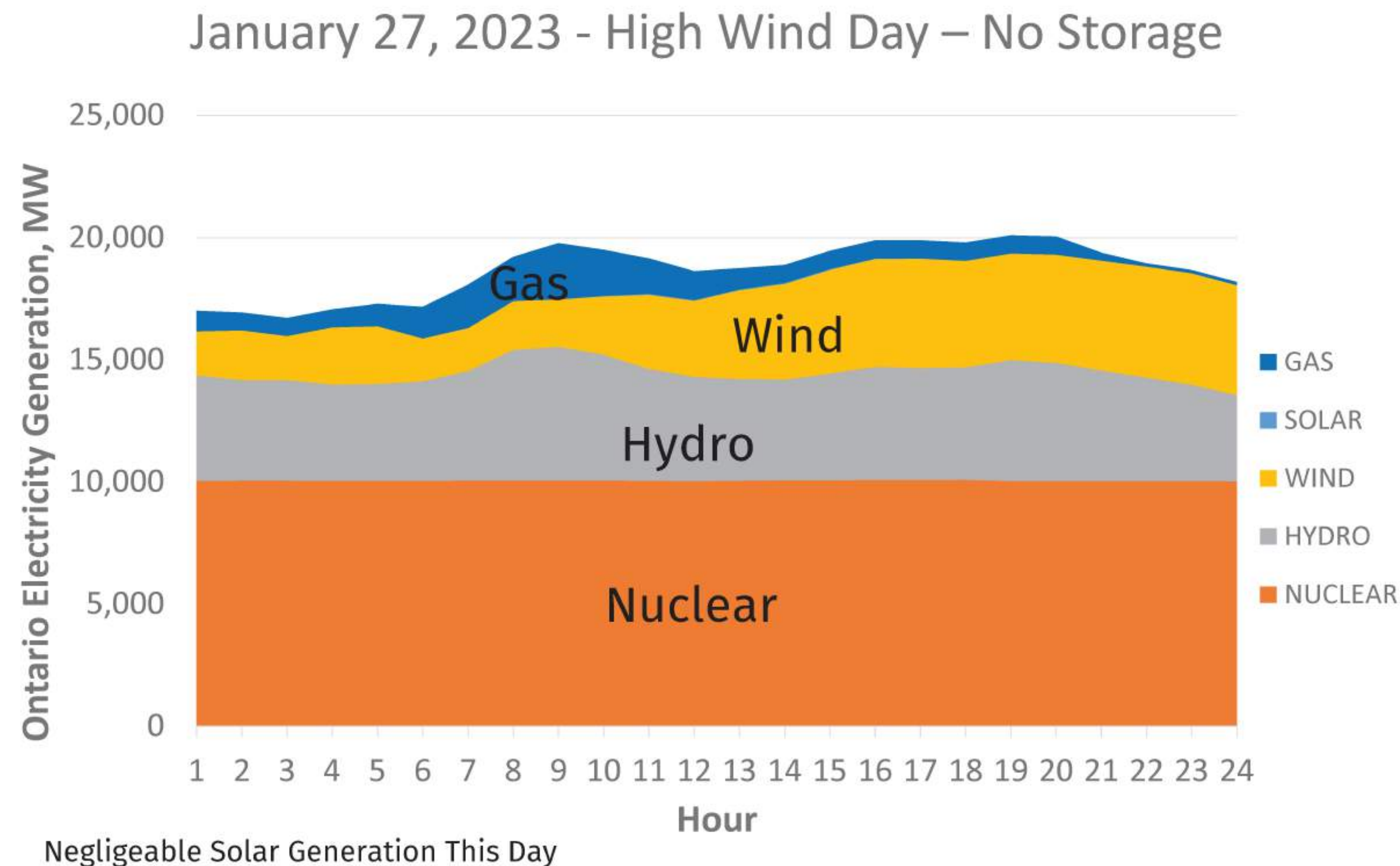


Consider two high electricity demand days with different weather conditions:

- January 27 had high wind generation and gas generation was limited
- July 4 had low wind generation and gas generation was needed
- July 4 had the sixth-highest peak hourly load of 2023 and natural gas generation prevented blackouts

Electricity Storage Operation

Electricity Storage Optimizes Other Generation



Consider the previous day from January with high wind generation:

- IESO's planned 2,500 MW/10,000 MWh of electricity storage would reduce the amount of natural gas generation required to serve the load by more than 50 per cent
- The January 27 generation mix without storage is 95 per cent emissions free, and adding storage further reduced emissions, resulting in a 97 per cent emission free generation mix

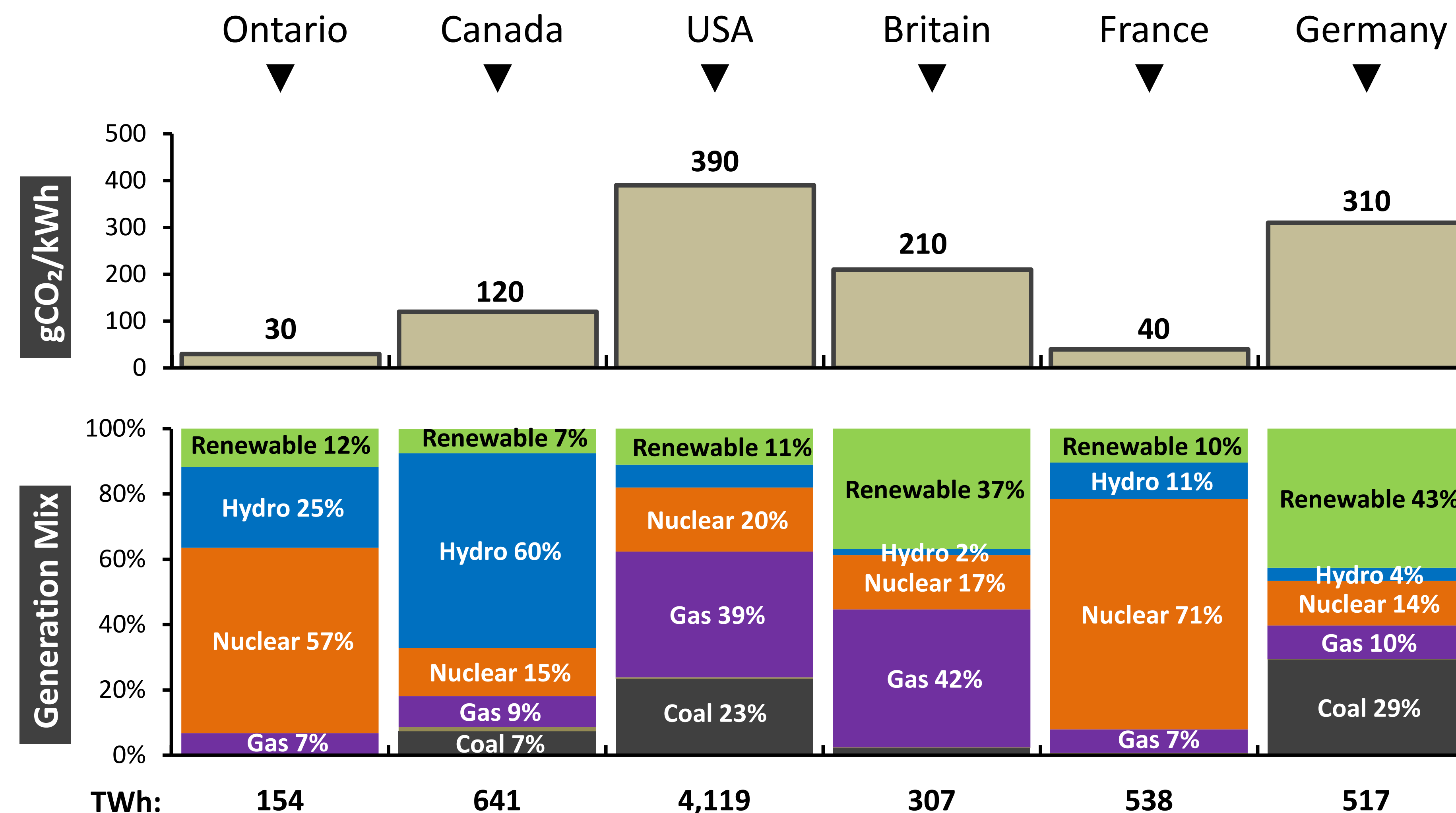
Ontario Electricity in a Global Context

World Leader in Clean Electricity Supply

After becoming the first jurisdiction in North America to eliminate coal-fired generation in 2014, Ontario has one of the cleanest electricity systems on the continent.

Ontario's electricity system was 94 per cent emissions-free in 2020.

CO₂ Emissions Intensity – Ontario vs. World



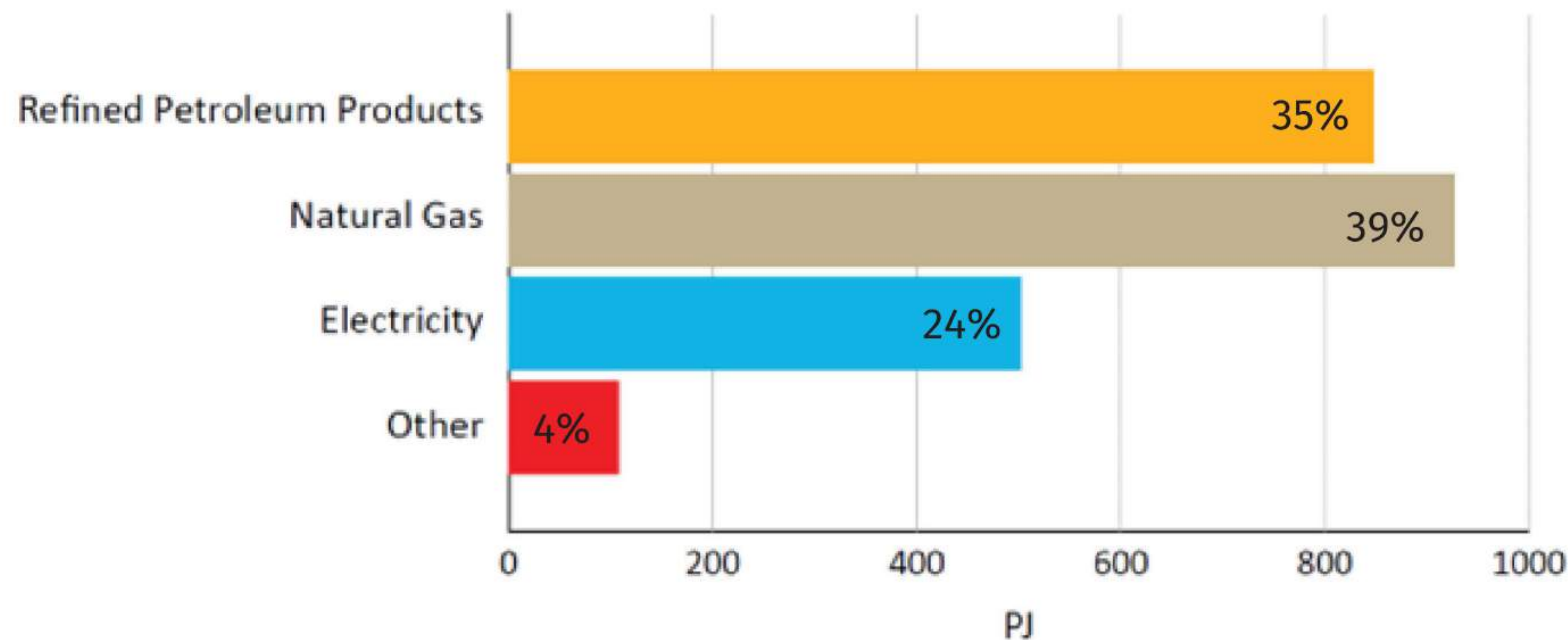
NOTES:

- Based on 2020 actual generation for Ontario, 2018 for Canada, and 2019 for USA, Britain, France & Germany
- CO₂ emissions intensity estimates are for in-region generation only; CO₂ from imports and life-cycle emissions are not included
- **Renewable** excludes hydro and includes 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

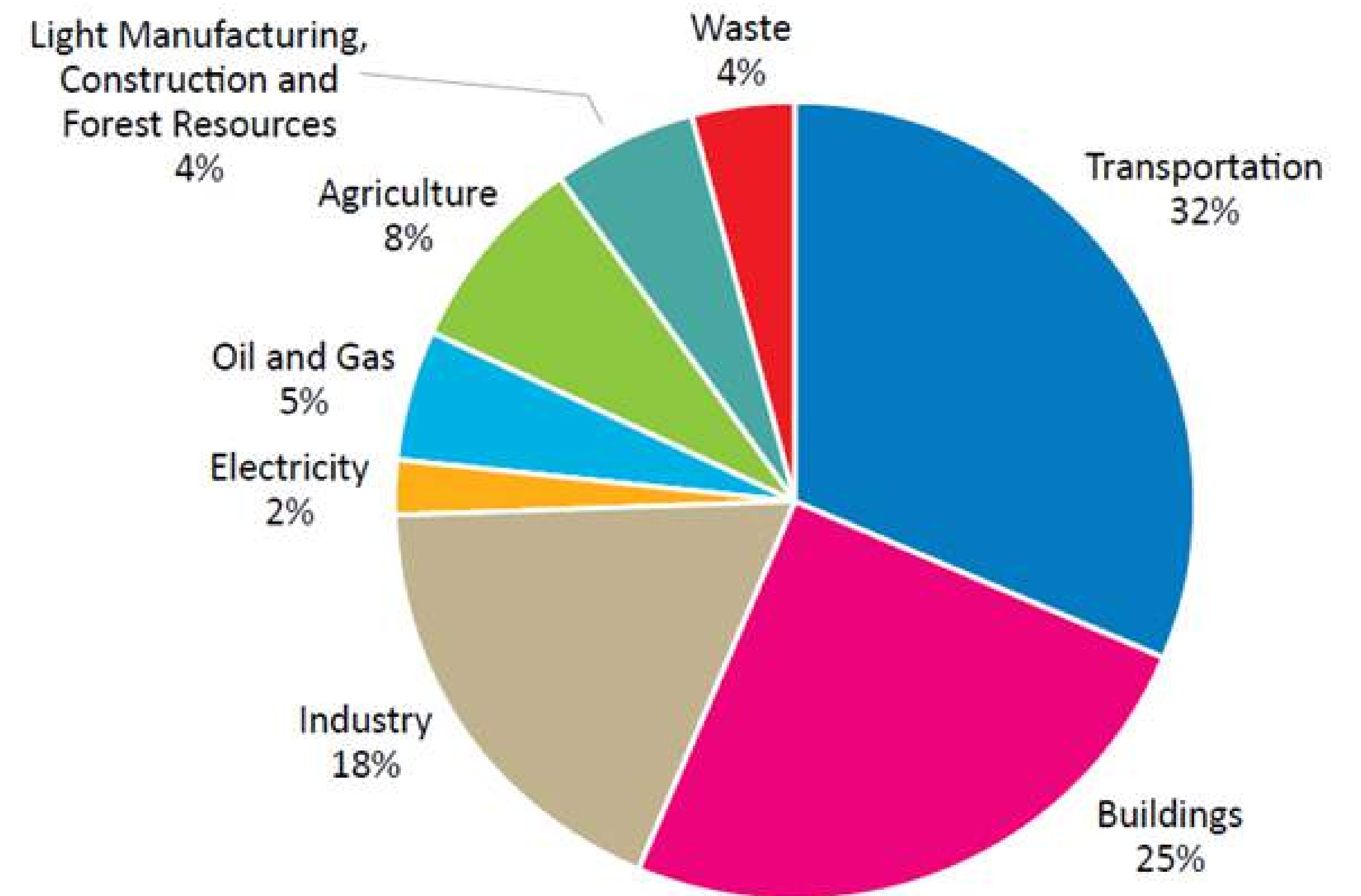
Electricity is Lowest Carbon Energy Source

Only 2% of Ontario GHG Emissions, but Provides 21% of All Energy

Ontario's Energy Mix: End Use Demand by Fuel Type



Ontario GHG Emissions by Sector in 2021



Electricity supplies 21 per cent of end-use energy in Ontario, but only contributes two per cent of overall GHG emissions.

Converting other industries to electricity, i.e., 'Electrification' is a key pathway for reducing overall emissions.

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

Example Benefit of Electrification

Electric Vehicles Emit 60-97% Less CO₂ than Gasoline Cars

Electric vehicles provide a substantial reduction in CO₂ emissions.

An electric vehicle charged with the Ontario average generation mix would release 97 per cent less CO₂ emissions than a comparable gasoline model.

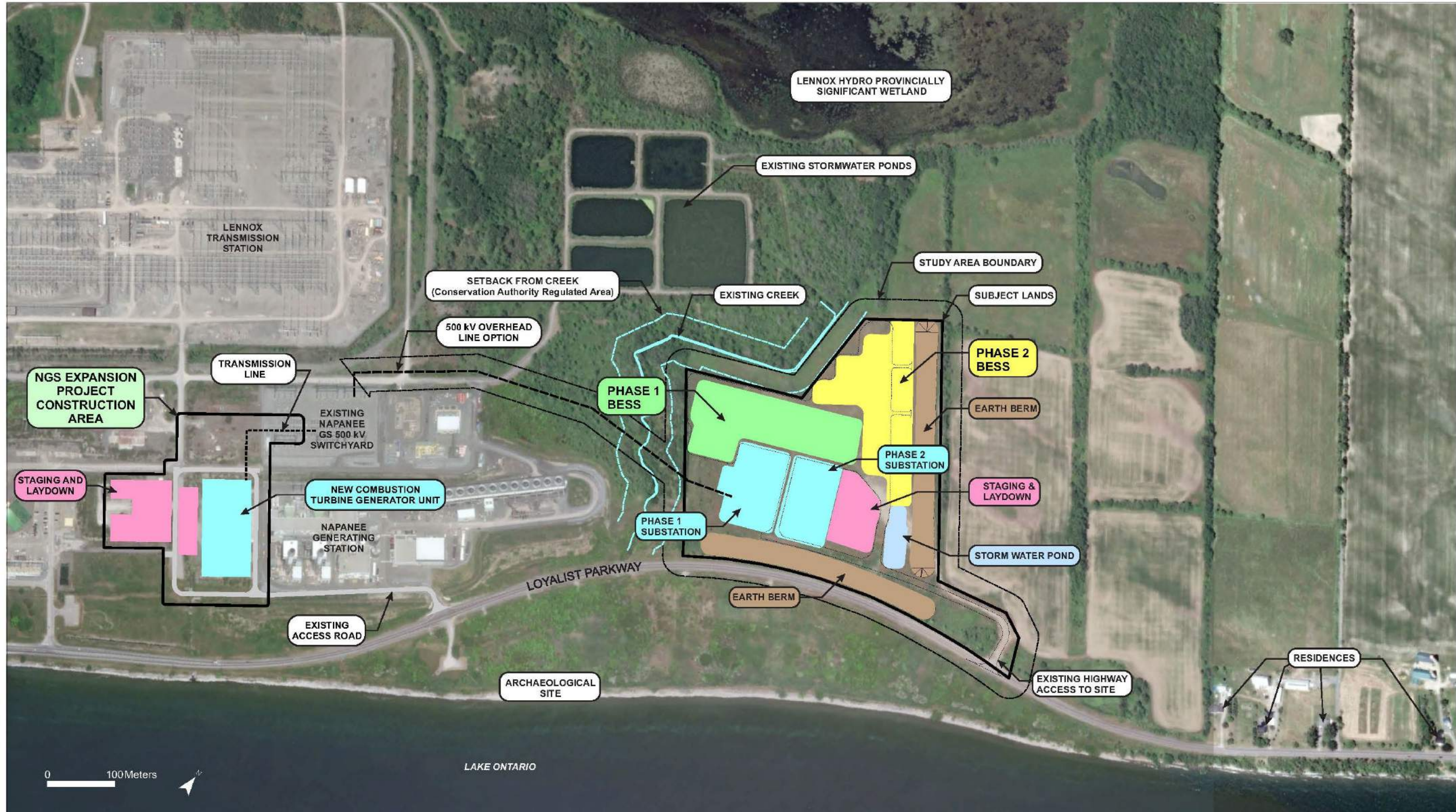
The same electric vehicle, charged only with natural gas generation would still release 60 per cent less CO₂ than gasoline.

Fuel Source	CO ₂ Emissions (kg CO ₂ e/100 km)	% Reduction in CO ₂ Emissions
Gasoline	17.16	0%
Electric – Powered by Natural Gas Generator (Combined Cycle)	6.94	60%
Electric – Powered by Ontario Average Generation Mix	0.45	97%

Source: IESO Natural Gas Phase Out Study Data Tables, based on 2022 Hyundai Kona with a gasoline model efficiency of 7.4 litres/100 km, electric model efficiency of 17.4 kWh/100 km, combined cycle natural gas generation emission intensity of 0.4 kg CO₂e/kWh and Ontario average electricity emission intensity of 0.03 kg CO₂e/kWh.

Site Layout & Existing Features

Napanee Generating Station Expansion and BESS Phases 1 & 2



Napanee Generating Station Expansion

Project Description and Site Plan

PROJECT DESCRIPTION

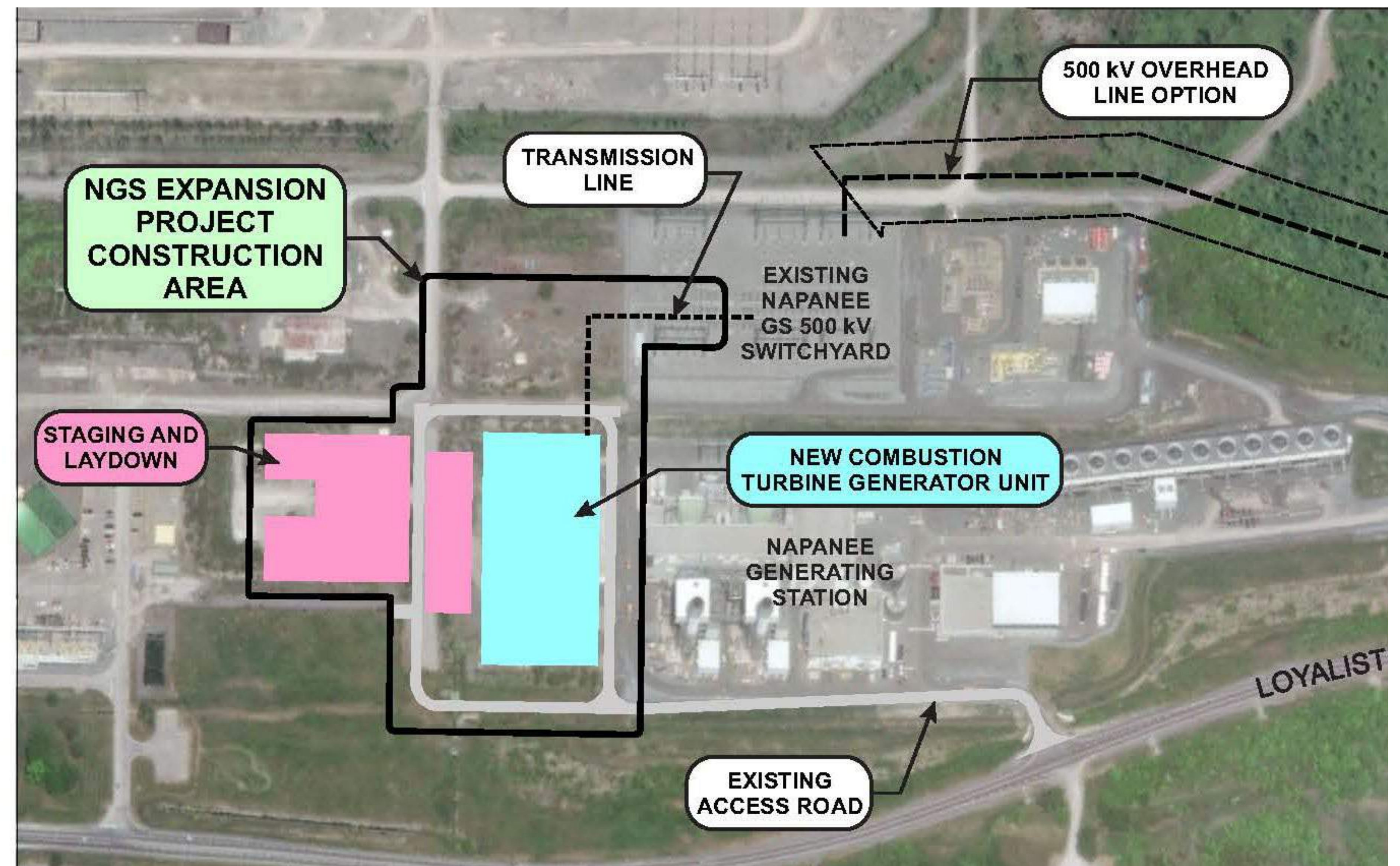
- The project will add a hydrogen-ready simple cycle combustion turbine generator unit
- Existing onsite infrastructure and facilities will be used

PROJECT CAPACITY

- Up to 450 MW of electricity output

PROJECT LOCATION

- The project will be located within the existing Lennox Generating Station boundary
- **No expansion will be required outside of previously zoned areas**



Napanee BESS Phase 2*

Project Description and Site Plan

PROJECT DESCRIPTION

The project will include:

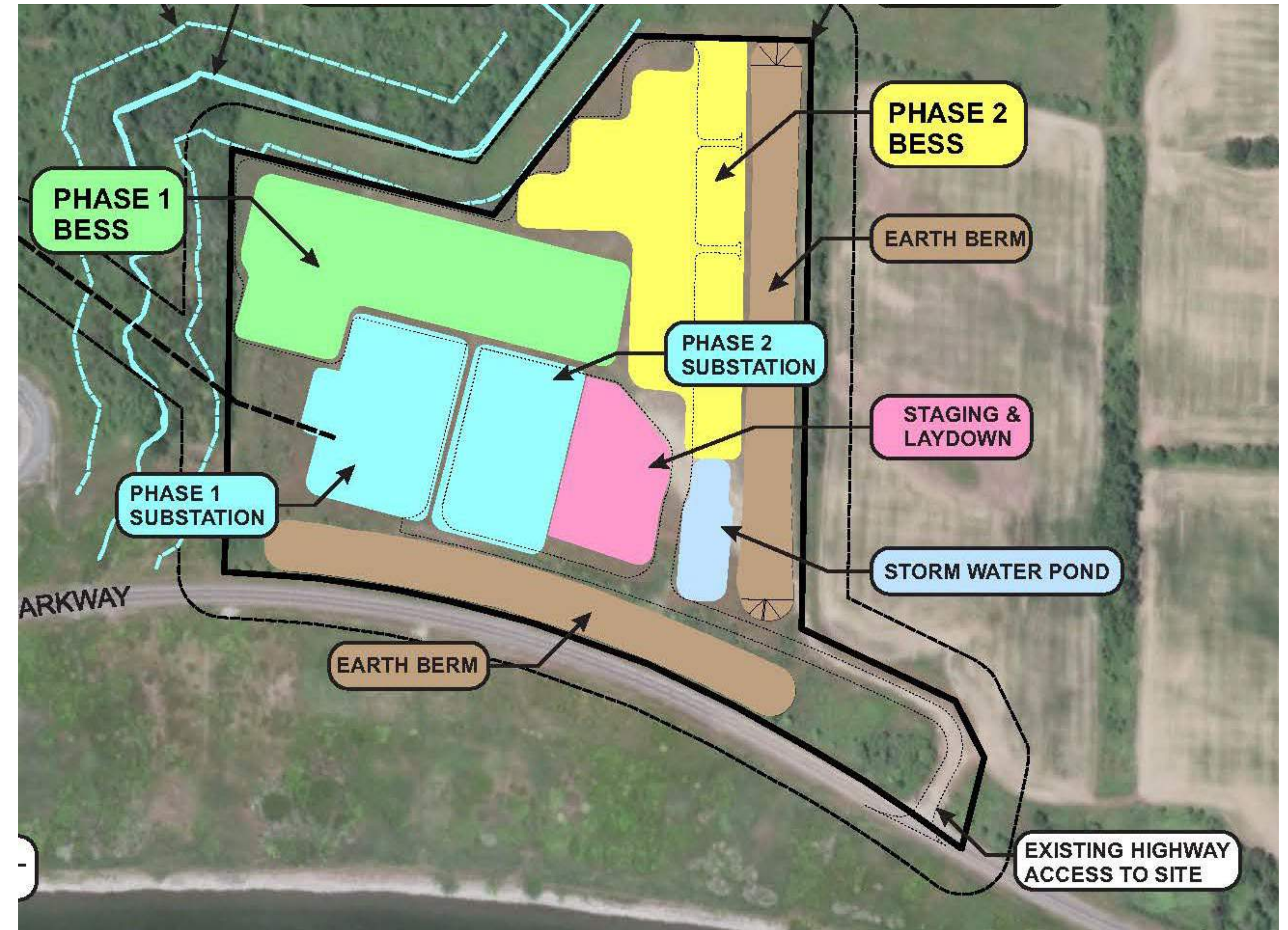
- Lithium-ion battery units
- A system that converts electrical alternating current (AC) to direct current (DC) for electricity storage
- Transmission connection facilities
- Transformers
- Emergency power and support buildings
- On-site operation and monitoring

PROJECT CAPACITY

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

PROJECT LOCATION

- The project will be located on the same property and beside the Napanee BESS Phase 1 project, east of the current Napanee Generating Station

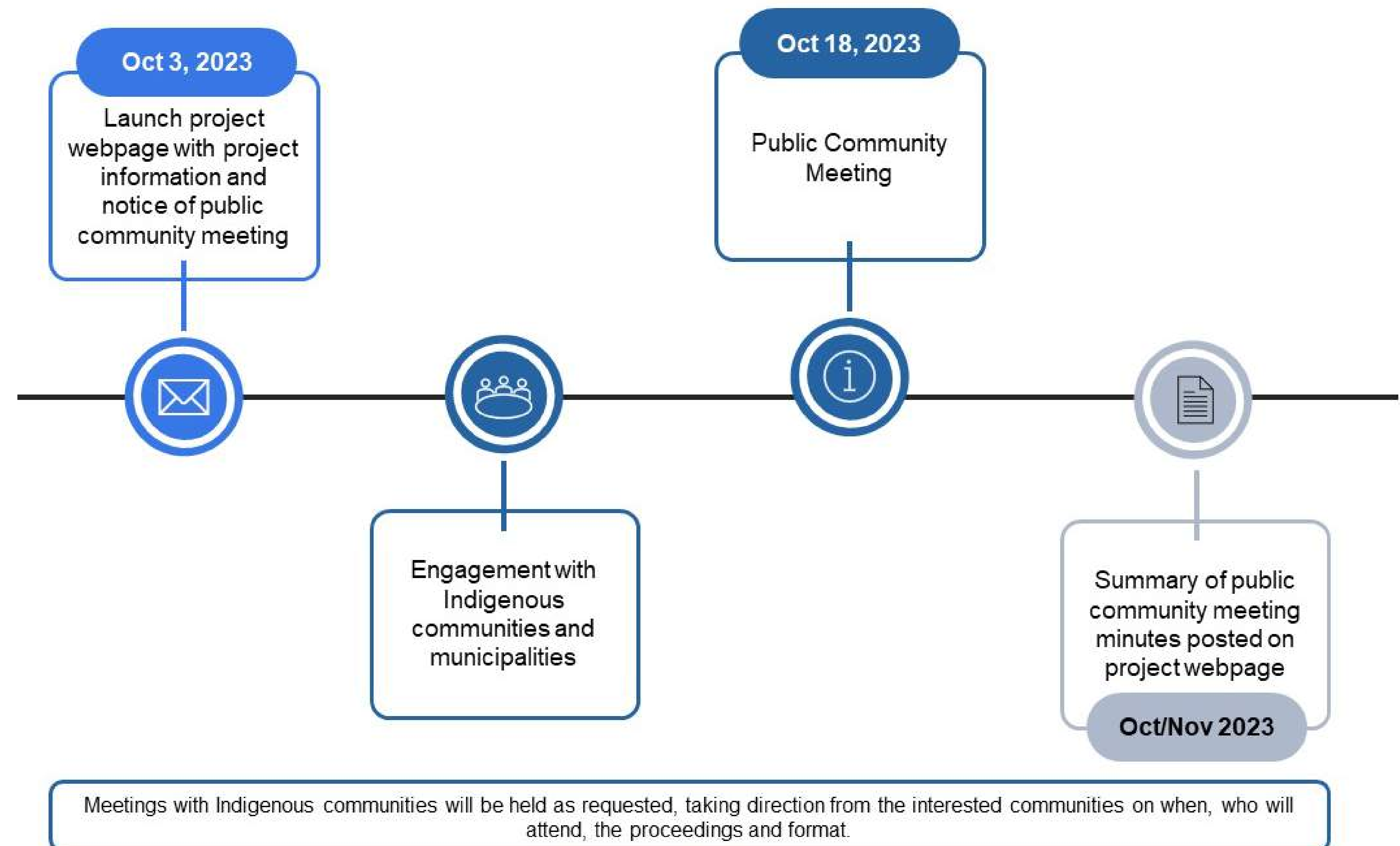


*BESS Phase 1 is a 250 MW BESS facility contracted by the IESO through the Expedited Long-term Request for Proposals process (E-LT1 RFP)

LT1 Engagement Timelines

Napanee Generating Station Expansion and BESS Phase 2

- Meeting materials including a summary of questions and responses will be posted to the project webpages
- Atura Power will be meeting with the Town of Greater Napanee Council in the coming weeks
- The Napanee Generating Station Expansion and BESS Phase 2 LT1 proposals will be submitted to the IESO in December



Project Timelines

Activity	Generating Station Expansion	BESS Phase 2
LT1 Proposal Submission	December 2023	December 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 the necessary permits and approvals prior to construction.

Indigenous and public engagement will remain a priority and continue throughout the project planning phase.

Thank You for Attending!

We appreciate the opportunity to share information on the Napanee Generating Station Expansion and Napanee BESS Phase 2 projects.


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

Generating Station Expansion

 napaneeexpansion@aturapower.com

 aturapower.com/napaneeexpansion

BESS Phase 2

 napaneebess2@aturapower.com

 aturapower.com/napaneebess2

PowerPoint Presentation

Atura Power

Atura Power

Napanee Generating Station Expansion and Battery Energy Storage System

Public Community Meeting

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

Wednesday, October 18, 2023



Agenda

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



Land Acknowledgement

As a visitor to your community and lands, we have an important responsibility to acknowledge the grounds which we are privileged to gather on today.

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.



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



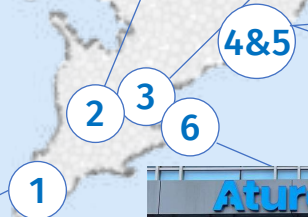
4. Napanee Generating Station
Capacity 900 MW



5. Napanee BESS Phase 1
Capacity 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 and 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



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
- 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 Napanee Generating Station Expansion and Napanee BESS Phase 2 projects are part of Atura Power's efforts to increase Ontario's electricity supply, support grid reliability, and help us get to net-zero



Combination of Electricity Storage and Natural Gas

The IESO wants to meet the 4,000 MW electricity system need through 2,500 MW of electricity storage and 1,500 MW of natural gas generation.

Electricity storage and natural gas generation provide complementary functions.

Electricity Storage:

- Improves electricity system efficiency by shifting overnight renewable electricity production to daytime periods when it is most needed
- Supply grid peak demand for up to four hours

Natural Gas Generation:

- Back-up electricity for longer periods of time to ensure reliability in all conditions (during extreme weather and extended periods of low wind / solar power generation)
- The Napanee Generating Station Expansion is expected to operate less frequently than electricity storage and would be called on when peak needs exceed four hours (i.e., after electricity storage resources have been fully utilised)



Natural Gas Synergy with Wind and Solar

Natural Gas Backs Up Wind and Solar Generation

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 common to have a week or more of low wind or overcast conditions so it is critical to have resources available that can generate electricity during those periods.

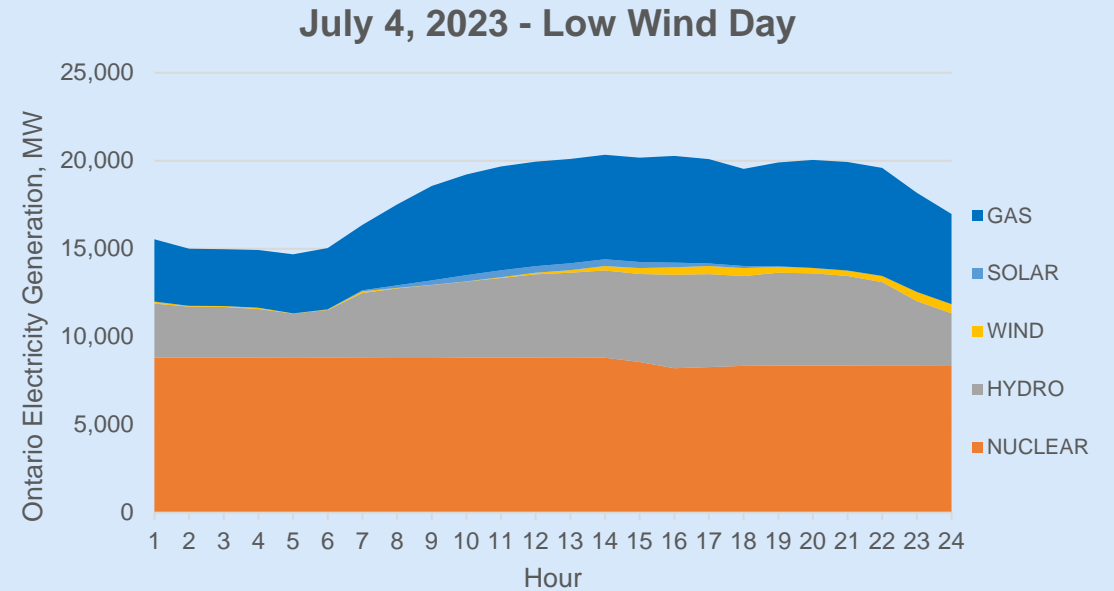
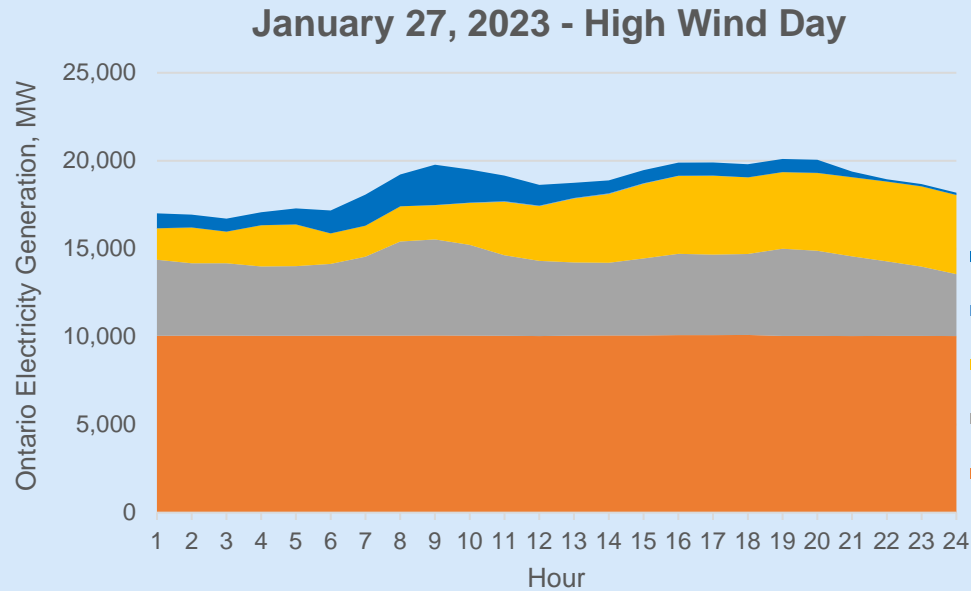
July 1 to 10, 2023, was a period of consistently low wind and Ontario's ~4,900 MW of wind generation operated at an average of 426 MW - roughly nine per cent of nameplate capacity – during this period when three of the top six highest electricity demand hours of 2023 occurred.

Natural gas generation operates regardless of weather conditions to ensure system reliability and support wind and solar generation in the electricity system.



Natural Gas Operation

Natural Gas Backs Up Wind and Solar Generation



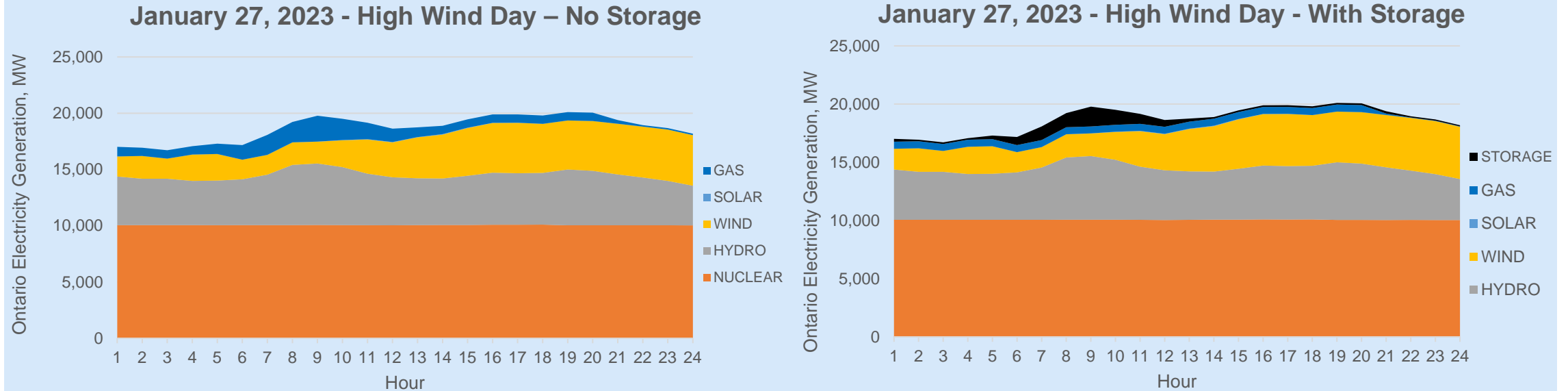
Consider two high electricity demand days with different weather conditions:

- January 27 had high wind generation and gas generation was limited
- July 4 had low wind generation and gas generation was needed
- July 4 had the sixth-highest peak hourly load of 2023 and natural gas generation prevented blackouts



Electricity Storage Operation

Electricity Storage Optimizes Other Generation



Consider the previous day from January with high wind generation:

- IESO's planned 2,500 MW/10,000 MWh of electricity storage would reduce the amount of natural gas generation required to serve the load by more than 50 per cent
- The January 27 generation mix without storage is 95 per cent emissions free, and adding storage further reduced emissions, resulting in a 97 per cent emission free generation mix

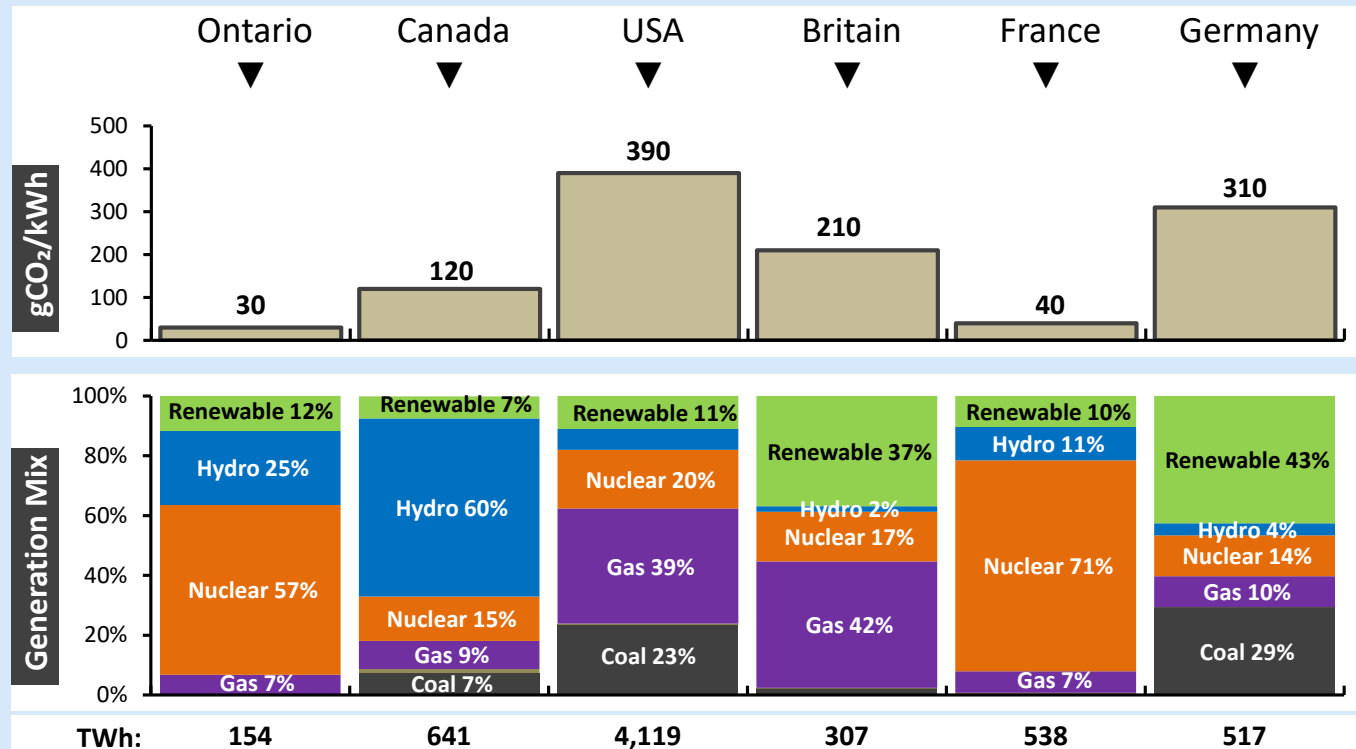


Ontario Electricity in a Global Context

World Leader in Clean Electricity Supply

After becoming the first jurisdiction in North America to eliminate coal-fired generation in 2014, Ontario has one of the cleanest electricity systems on the continent.

Ontario's electricity system was 94 per cent emissions-free in 2020.



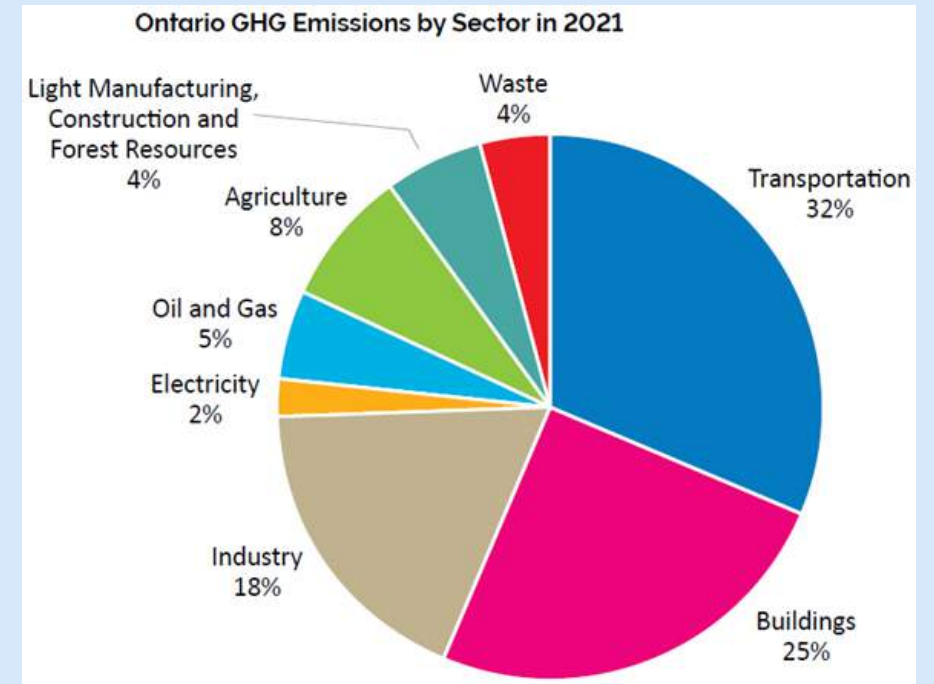
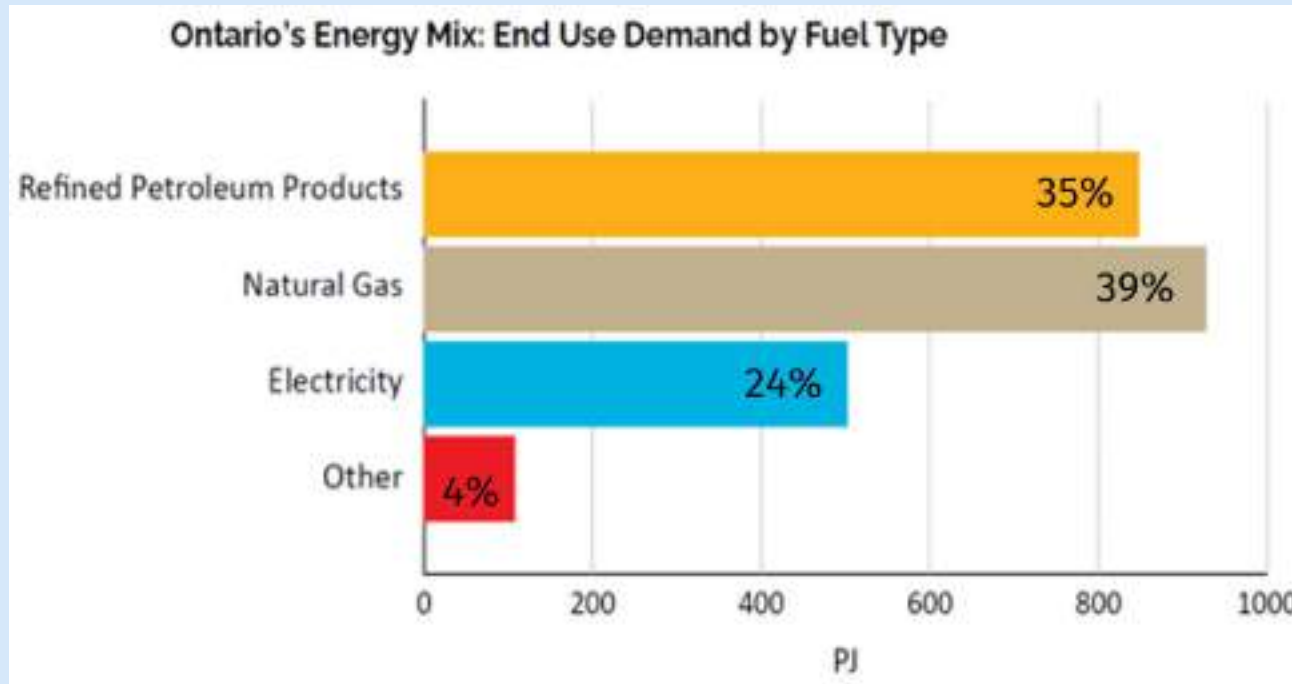
Notes:

- Based on actual 2019 generation for Ontario, USA, UK, France & Germany, and 2018 generation for Canada
- CO₂ emission intensity estimates are for in-region generation only; CO₂ from imports and life-cycle emissions are 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

Only 2% of Ontario GHG Emissions, But Provides 21% of All Energy



Electricity supplies 21 per cent of end-use energy in Ontario, but only contributes two per cent of overall greenhouse gas (GHG) emissions.

Converting other industries to electricity, i.e., 'Electrification' is a key pathway for reducing 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

Example Benefit of Electrification

Electric Vehicles Emit 60-97% Less CO₂ than Gasoline Cars

Electric vehicles provide a substantial reduction in CO₂ emissions.

An electric vehicle charged with the Ontario average generation mix would release 97 per cent less CO₂ emissions than a comparable gasoline model.

The same electric vehicle, charged only with natural gas generation would still release 60 per cent less CO₂ than gasoline.

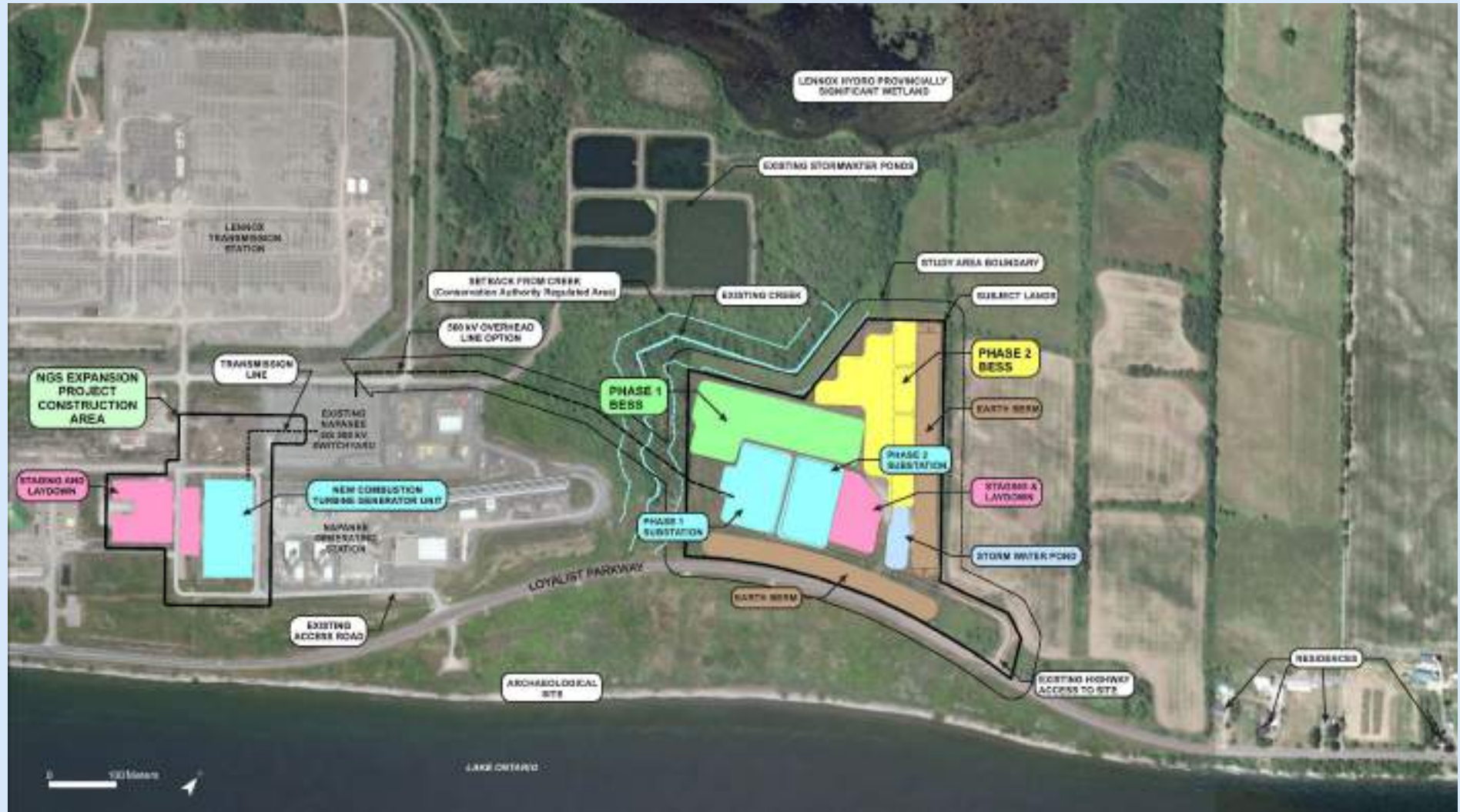
Fuel Source	CO ₂ Emissions (kg CO ₂ e/100 km)	% Reduction in CO ₂ Emissions
Gasoline	17.16	0%
Electric – Powered by Natural Gas Generator (Combined Cycle)	6.94	60%
Electric – Powered by Ontario Average Generation Mix	0.45	97%

Source: IESO Natural Gas Phase Out Study Data Tables, based on 2022 Hyundai Kona with a gasoline model efficiency of 7.4 litres/100 km, electric model efficiency of 17.4 kWh/100 km, combined cycle natural gas generation emission intensity of 0.4 kg CO₂e/kWh and Ontario average electricity emission intensity of 0.03 kg CO₂e/kWh.



Site Layout & Existing Features

Napaneer 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

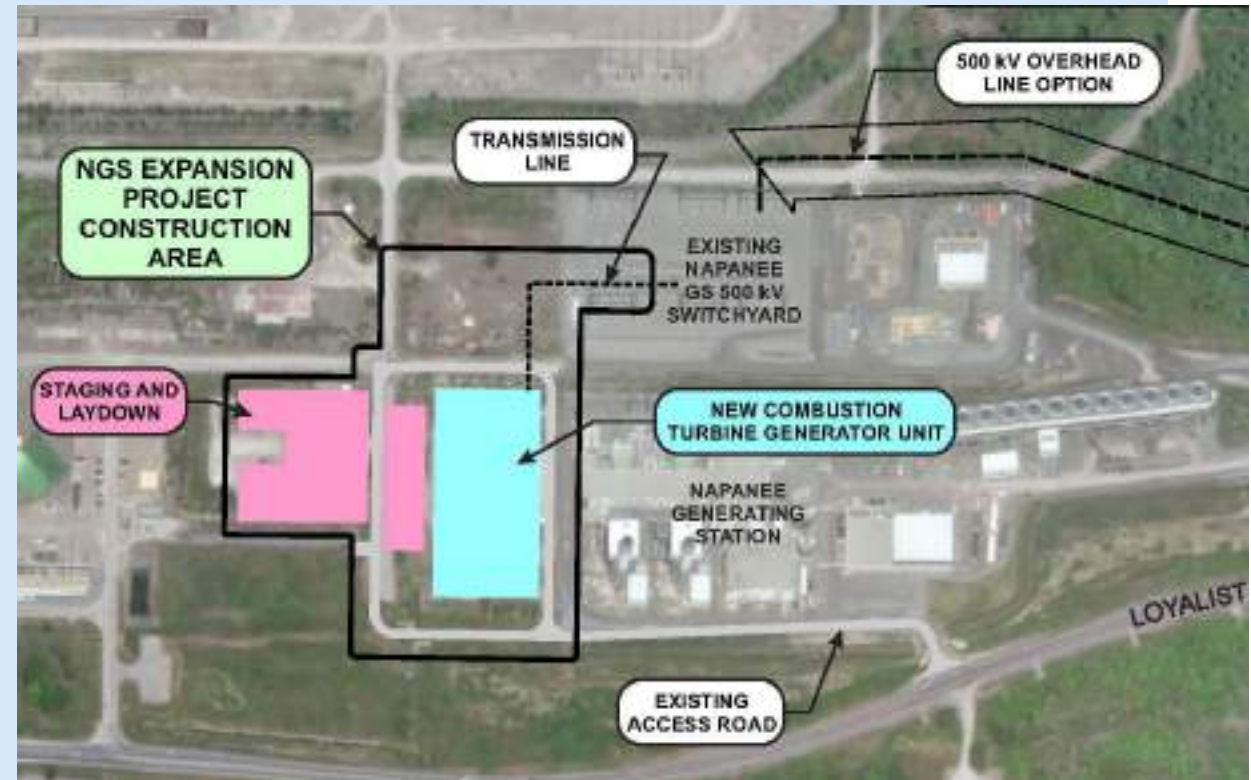
- The project will add a hydrogen-ready simple cycle combustion turbine generator unit
- Existing onsite infrastructure and facilities will be used

Project Capacity

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

Project Location

- The project will be located within the existing Lennox Generating Station boundary
- **No expansion will be required outside of previously zoned areas**



Napanee BESS Phase 2*

Project Description and Site Plan

Project Description

The project will include:

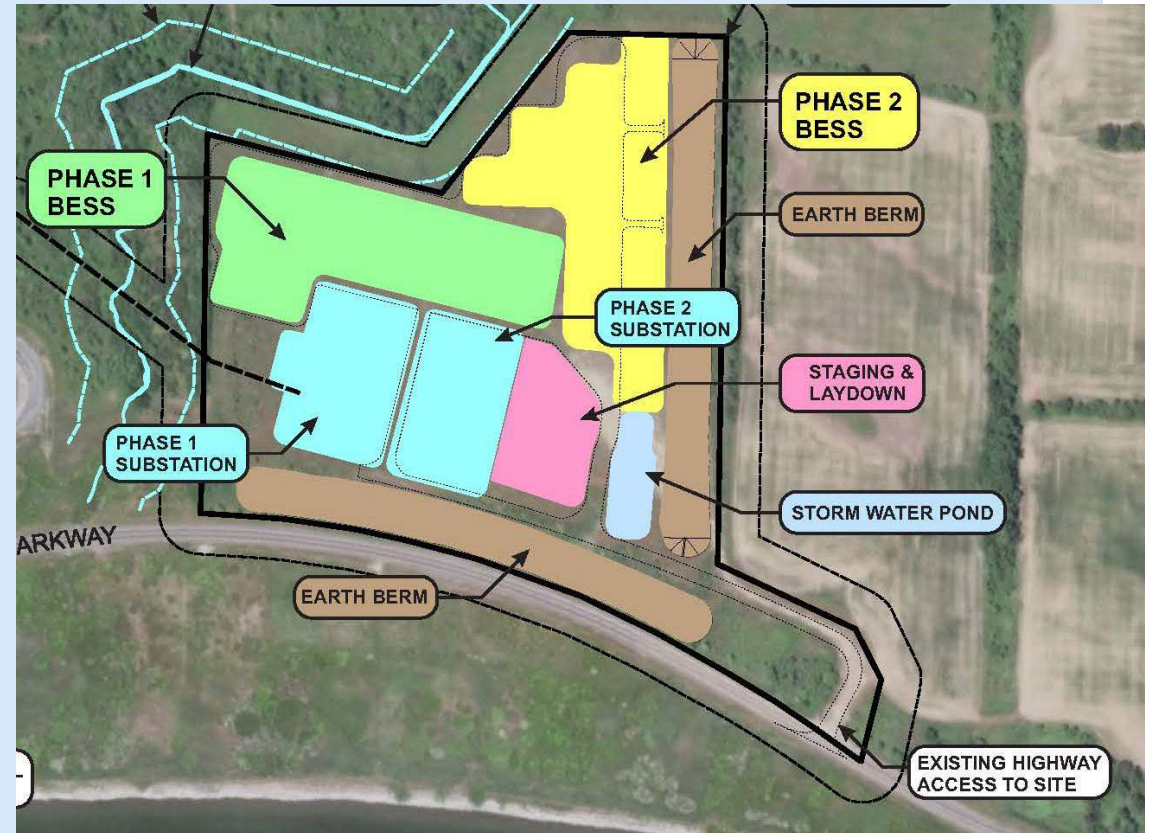
- Lithium-ion battery units
- A system that converts electrical alternating current (AC) to direct current (DC) for electricity storage
- Transmission connection facilities
- Transformers
- Emergency power and support buildings
- On-site operation and monitoring

Project Capacity

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

Project Location

- The project will be located on the same property and beside the Napanee BESS Phase 1 project, east of the current Napanee Generating Station

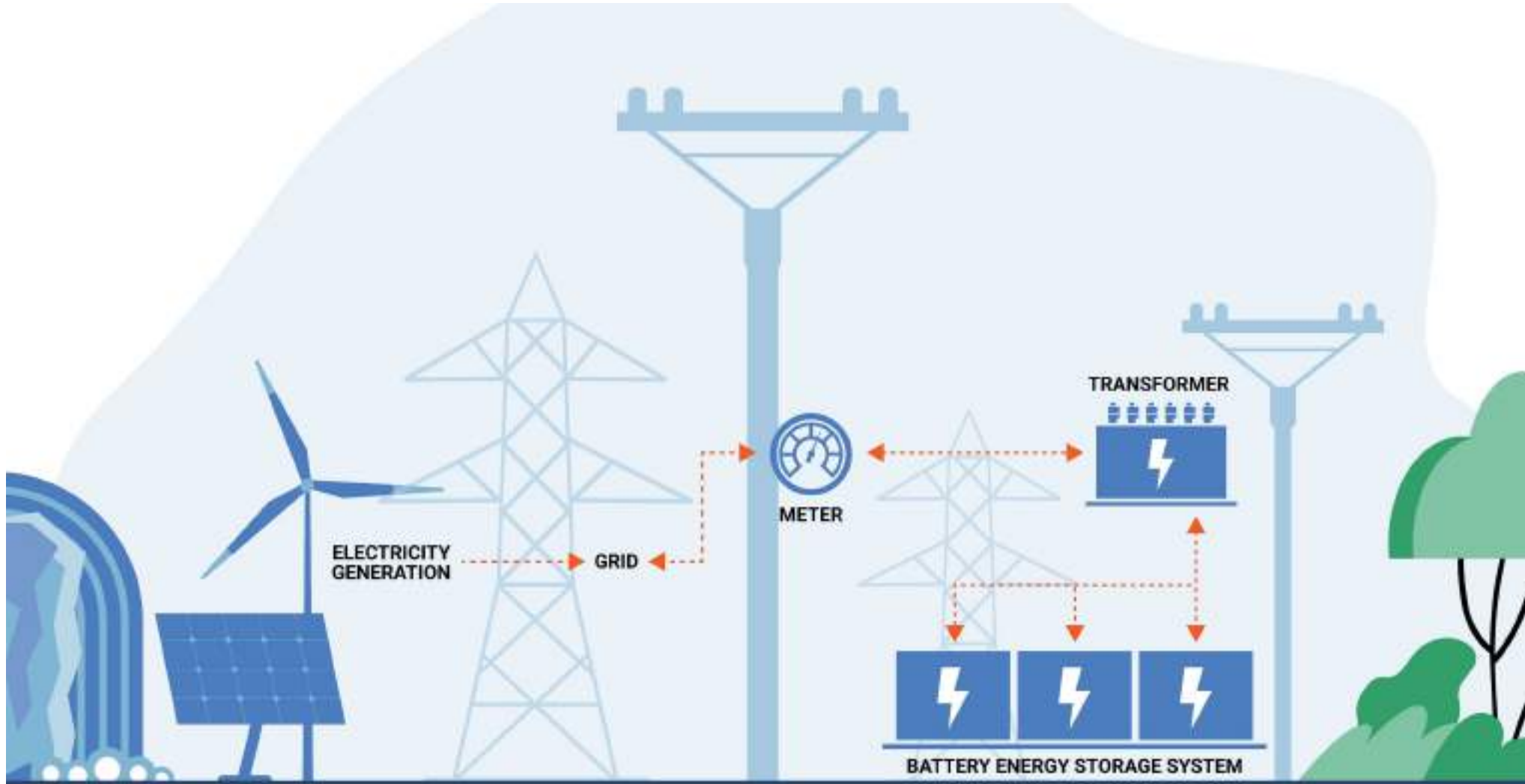


*BESS Phase 1 - 250 MW BESS facility contracted by the IESO through the Expedited Long-term Request for Proposals process (E-LT1 RFP)

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



How Energy Storage Works

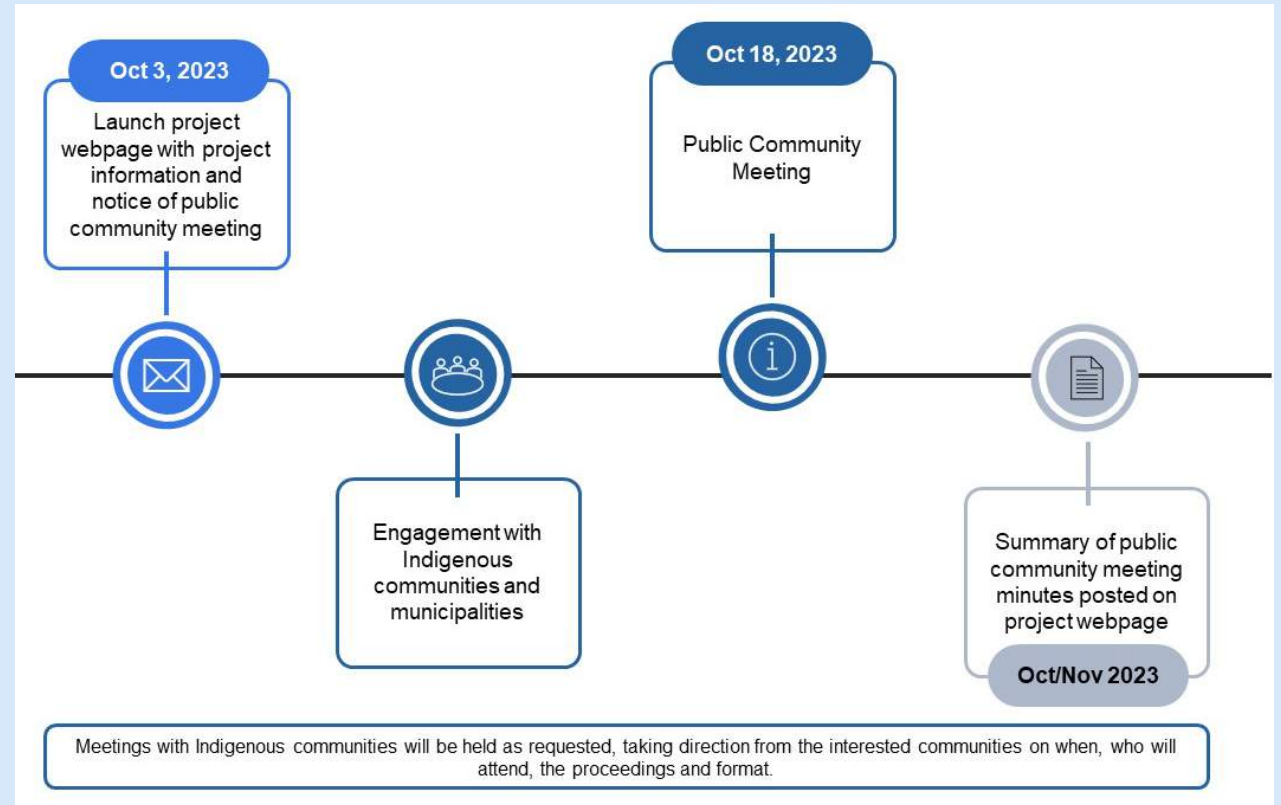


Comments or questions can be sent to: napaneeexpansion@aturapower.com and napaneebess2@aturapower.com

LT1 Engagement Timelines

Napanee Generating Station Expansion and BESS Phase 2

- Meeting materials including a summary of questions and responses will be posted to the project webpages
- Atura Power will be presenting to the Town of Greater Napanee Council on Oct. 24
- The Napanee Generating Station and BESS Phase 2 LT1 proposals will be submitted to the IESO in December



Project Timelines

Activity	Generating Station Expansion	BESS Phase 2
LT1 Proposal Submission	Dec 2023	Dec 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 the necessary permits and approvals prior to construction.

Indigenous and public engagement remain a priority and will continue throughout the project planning phase.




**We'd now like to invite any
questions or comments**




Thank You


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

Napaneer Generating Station Expansion

 napaneexpansion@aturapower.com

 aturapower.com/napaneexpansion

Napaneer BESS Phase 2

 napaneebess2@aturapower.com

 aturapower.com/napaneebess2

Roll-out Site Map

Atura Power



Appendix B

Webpage Screenshot

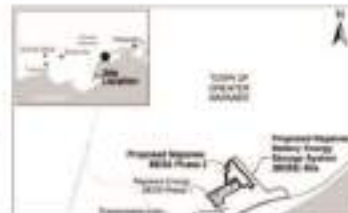


[Home](#) > [About Atura](#) > [Our Stations](#) > [Napanee Generating Station Expansion](#)

Napanee 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 public community meeting for the Napanee Battery Energy Storage System Phase 2 and Napanee Generating Station Expansion

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, a subsidiary of Ontario Power Generation, is proposing to develop the next phase of the Napanee battery storage project (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 supporting system to convert electrical alternating current (AC) to direct current (DC) 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.

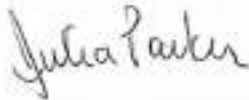
Atura Power is currently engaging the public and Indigenous communities in support of the IESO's engagement requirements. As a neighbouring landowner, we invite you to join us at our upcoming public community meeting to learn more about these projects.

<i>Public Community Meeting Details</i>	Date:	Wednesday, Oct. 18, 2023
	Open House: Presentations and Q&A:	4:00 p.m. to 8:00 p.m. Eastern Time 5:00 p.m. and 7:00 p.m. Eastern Time
	Location:	South Fredericksburgh Hall 2478 County Rd. 8 Greater Napanee, Ont. K7R 3K7

If you require accommodation related to the public community meeting, please contact the project team by sending an email to either of the contacts below. If you are unable to participate, meeting materials will be posted on both project webpages for review following the meeting.

Project:	Napanee BESS Phase 2	Napanee Generating Station Expansion
Email Address:	napaneebess2@aturapower.com	napaneeexpansion@aturapower.com
Project Webpage:	aturapower.com/napaneebess2	aturapower.com/napaneeexpansion

Sincerely,



Julia Parker
Atura Project Manager – Environmental and Municipal Approvals

Appendix D

Letter to Indigenous Communities

Atura Power

[Date]

[Recipient]

[Address]

[Address]

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

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, a subsidiary of Ontario Power Generation, is proposing to develop the next phase of the Napanee battery storage project (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 supporting system to convert electrical alternating current (AC) to direct current (DC) 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.

Atura Power is starting 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 is now 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.

We also extend an invitation for you to attend our upcoming public community meeting, where you can learn more about the proposed expansion and Napanee BESS Phase 2. Our goal is to keep an open line of communication with you and find out how you would like to participate in this process.

Public Community Meeting Details	Date:	Wednesday, Oct. 18, 2023
	Open House: Presentations and Q&A:	4:00 p.m. to 8:00 p.m. Eastern Time 5:00 p.m. and 7:00 p.m. Eastern Time
	Location:	South Fredericksburgh Hall 2478 County Rd. 8 Greater Napanee, Ont. K7R 3K7

If you require accommodation related to the public community meeting, please contact the project team by sending an email to either of the contacts below. If you are unable to participate, meeting materials will be posted on both project webpages for review following the meeting.

Project:	Napanee BESS Phase 2	Napanee Generating Station Expansion
Email Address:	napaneebess2@aturapower.com	napaneeexpansion@aturapower.com
Project Webpage:	aturapower.com/napaneebess2	aturapower.com/napaneeexpansion

Sincerely,



Shelley Babin
President and CEO
Atura Power

Appendix E

Newspaper Notice

Newspaper Notice

Atura Power

Invitation to a Public Community Meeting

Napanee Battery Energy Storage System and Napanee Generating Station Expansion

Atura Power is proposing the Napanee Battery Energy Storage System Phase 2 (Napanee BESS Phase 2) and Napanee Generating Station Expansion electricity projects under a procurement process led by the Ontario Independent Electricity System Operator (IESO).

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.

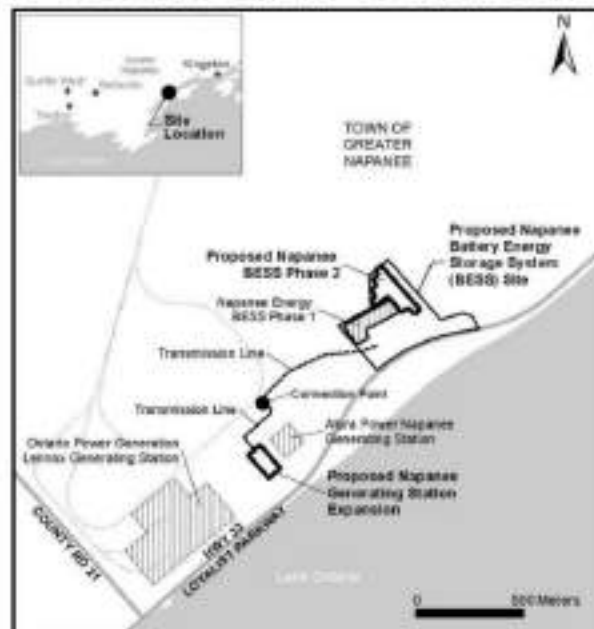
Project Description

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 supporting system that will convert electrical alternating current (AC) to direct current (DC) 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.

You are Invited to a Public Community Meeting

Atura Power is committed to engaging with Indigenous communities, the public and other interested parties on all our projects. We invite you to attend an upcoming public community meeting to learn more about the Napanee BESS Phase 2 and Napanee Generating Station Expansion projects. If you are unable to participate, meeting materials will be posted on the project webpages for review following the meeting.

Atura Power



Meeting Details	Date:	Wednesday, Oct. 18, 2023
	Open House:	4:00 p.m. to 8:00 p.m. Eastern Time
	Presentations and Q&A:	5:00 p.m. and 7:00 p.m. Eastern Time
	Location:	South Fredericksburgh Hall 2478 County Rd. 8 Greater Napanee, Ont. K7R 3K7

For project questions or accommodation needs please see project contacts below.

Project Contacts	Napanee BESS Phase 2:	napaneebess2@aturapower.com aturapower.com/napaneebess2
	Napanee Generating Station Expansion:	napaneeexpansion@aturapower.com aturapower.com/napaneeexpansion

Comments and information regarding this project are being collected in accordance with the *Freedom of Information and Protection of Privacy Act*.

Print Notice

Atura Power

Fire Prevention Week 2023: cooking safety starts with you

BY ADAM PRUDHOMME

Editor

Fire Prevention Week kicks off this Sunday with a focus on the number one cause of home fires and injuries: cooking.

Greater Napanee Fire is joining departments across the country that will be promoting this year's theme: Cooking Safety Starts With You, Pay Attention to Fire Prevention.

Though most people are aware of the dangers of driving under the influence of alcohol or drugs, not everyone equates that to the danger of cooking while intoxicated.

"You will not be alert if you are sleepy, having consumed alcohol or have taken medications or drugs," said James Feeney, deputy fire chief with Greater Napanee.

People are reminded to stay in the kitchen when frying, boiling, grilling or broiling food and if they must leave the room, they should turn off the stove. Keeping the stove clear of mitts, wooden utensils or towels is also a good practice to help prevent a

Cooking safety starts with YOU.

Pay attention to fire prevention.

NFPA FIRE PREVENTION WEEK

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kitchen fire. After all, the leading cause of kitchen fires is unattended cooking, with most fires originating from the stove.

As always, a working smoke alarm is critical for all levels of the house.

"We always tell people if a fire does happen to make sure they get out and stay out and call 9-1-1," said Feeney. "We see it sometimes where people do their best to put out a fire, they try to move a pot, the pot becomes hot, it falls with

hot liquid, they get burned. We always say if it does happen, get out and stay out and call 9-1-1 immediately."

The messaging is particularly important as Ontario has seen a sharp rise in the number of fire related fatalities, climbing to 133 last year, up from 124 in 2021, which was a rise from 115 in 2020. More people staying home during the pandemic and cooking more could be a major factor as the number of deaths was 73 in 2019.

To help mark Fire Pre-

vention Week, Greater Napanee Fire will be host-

ing an open house on Oct. 11 from 5-8:30 p.m. at the

Napanee Fire Hall at 88 Advance Ave. Members of the public are invited to tour the fire hall, witness some safety demonstrations and enjoy a charity barbecue.

Fire Prevention Week runs Oct. 8-14. This year marks the 101st anniversary of National Fire Protection Association declaring the week of Oct. 9 to be Fire Prevention Week in honour of the great Chicago fire, which raged Oct. 8-10, 1871. The fire killed about 300 people and destroyed roughly 3.3 square miles of the city. Many of the lessons learned from the tragedy have been adapted over the years to ensure better public safety.

Invitation to a Public Community Meeting

Napanee Battery Energy Storage System and Napanee Generating Station Expansion
 Atura Power is proposing the Napanee Battery Energy Storage System Phase 2 (Napanee BESS Phase 2) and Napanee Generating Station Expansion electricity projects under a procurement process led by the Ontario Independent Electricity System Operator (IESO).

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.

Atura Power



Project Description

The proposed Napanee BESS Phase 2 project will be able to store and output up to 205 megawatts (MW) of electricity for up to four hours to Ontario's electricity grid. The project includes battery units and a supporting system that will convert electrical alternating current (AC) to direct current (DC) for electricity storage, as well as auxiliary 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.

You are invited to a Public Community Meeting

Atura Power is committed to engaging with Indigenous communities, the public and other interested parties on all our projects. We invite you to attend an upcoming public community meeting to learn more about the Napanee BESS Phase 2 and Napanee Generating Station Expansion projects. If you are unable to participate, meeting materials will be posted on the project webpages for review following the meeting.

Meeting Details	Date:	Wednesday, Oct. 18, 2023
	Open House:	4:00 p.m. to 8:00 p.m. Eastern Time
	Presentations and Q&A:	6:00 p.m. and 7:00 p.m. Eastern Time
	Location:	South Pwllentolough Hall 2475 County Rd. 8 Greater Napanee, Ont. K7R 3K7

For project questions or accommodation needs please see project contacts below.

Project Contacts	Napanee BESS Phase 2:	napaneebess2@aturapower.com aturapower.com/napaneebess2
	Napanee Generating Station Expansion:	napaneeexpansion@aturapower.com aturapower.com/napaneeexpansion

Comments and information regarding this project are being collected in accordance with the Freedom of Information and Protection of Privacy Act.

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Online Notice

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The Napanee Beaver



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 OCTOBER 4, 2023

Invitation to a Public Community Meeting

Napanee Battery Energy Storage System and Napanee Generating Station Expansion
 Atura Power is proposing the Napanee Battery Energy Storage System Phase 2 (Napanee BESS Phase 2) and Napanee Generating Station Expansion electricity projects under a procurement process led by the Ontario Independent Electricity System Operator (IESO).

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 seeking 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.

Atura Power



Project Description

The proposed Napanee BESS Phase 2 project will be able to store and output up to 200 megawatts (MW) of electricity for up to four hours to Ontario's electricity grid. The project includes battery units and a supporting system that will convert electrical alternating current (AC) to direct current (DC) 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 Lower Generating Station.

You are invited to a Public Community Meeting

Atura Power is committed to engaging with Indigenous communities, the public and other interested parties on all our projects. We invite you to attend an upcoming public community meeting to learn more about the Napanee BESS Phase 2 and Napanee Generating Station Expansion projects. If you are unable to participate, meeting materials will be posted on the project webpage for review following the meeting.

Meeting Details	Date	Wednesday, Oct. 18, 2023
	Open House, Presentation and Q&A	8:00 p.m. to 8:30 p.m. Eastern Time 5:00 p.m. and 7:00 p.m. Eastern Time
Location	South Fredericksburgh Rd. 3478 County Rd. 8 Greater Napanee, Ont. K7R 3K7	

For project questions or accommodation needs please see project contacts below.

Project Contacts	Napanee BESS Phase 2	napaneebess2@aturapower.com aturapower.com/napaneebess2
	Napanee Generating Station Expansion	napaneeexpansion@aturapower.com aturapower.com/napaneeexpansion

Comments and information regarding this project are being collected in accordance with the Freedom of Information and Protection of Privacy Act.

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Appendix F

Hand Delivery Location Map



- Residence ●
- Small business ●
- OPG site ●
- Landmarks ●

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