



Neoen Battery Energy Storage Project Community Meeting

August 13, 2026

6:00 PM

Agenda

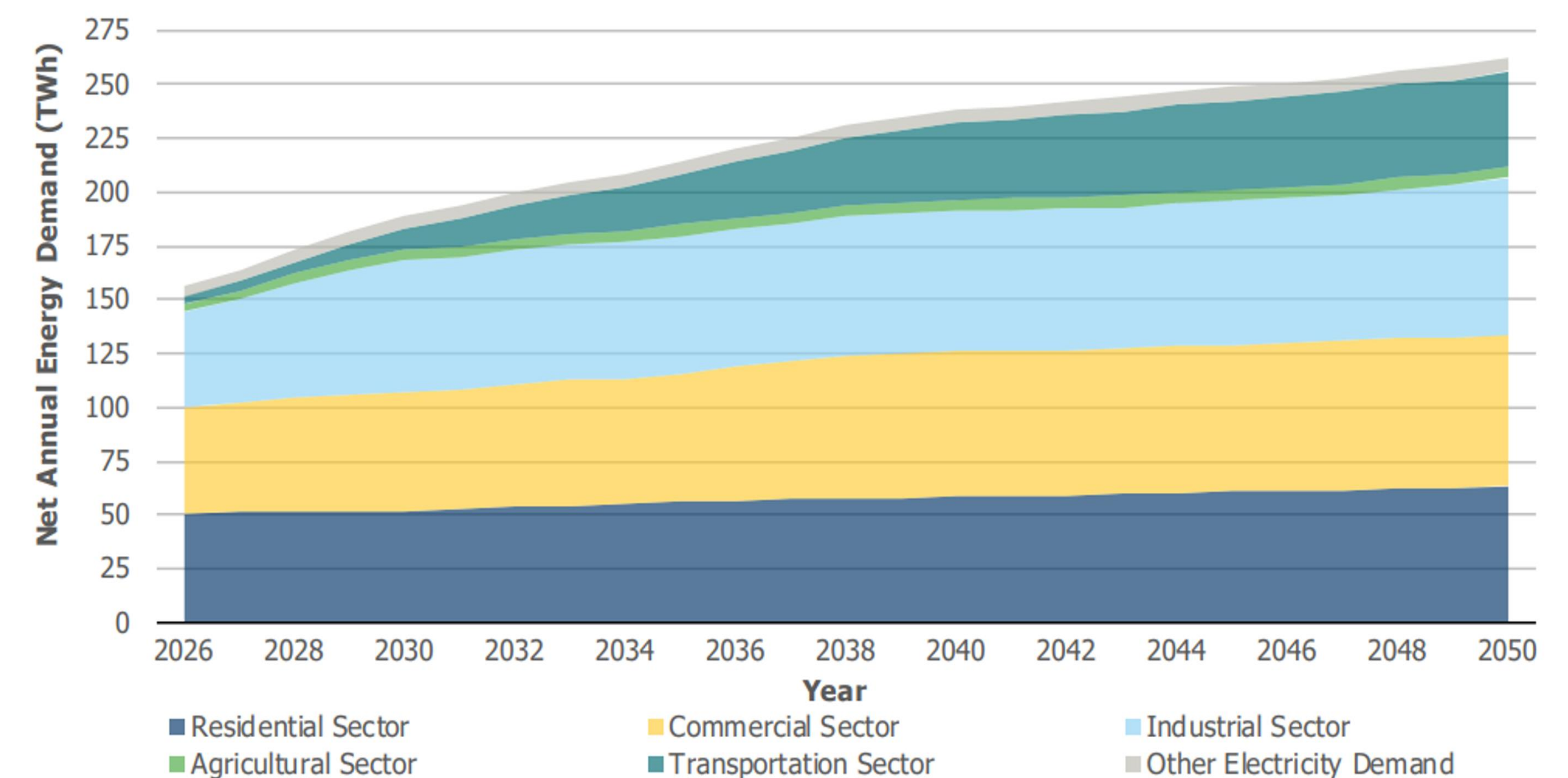
- Welcome
- Meeting Format and Guidelines
- Battery Energy Storage in Ontario
- Neoen Battery Presentation
 - 1. Company Overview
 - 2. Site Selection
 - 3. Proposed Layout
 - 4. Battery Energy Storage Safety, Stormwater and Sound
 - 5. Community Investment
 - 6. Next Steps
- Question & Answer

- The **Ministry of Energy and Mines (MEM)** sets the Province's long-term energy strategy and established a competitive procurement framework to contract new energy resources
- The **Independent Electricity System Operator (IESO)**, a non-profit Crown Corporation, operates Ontario's power grid
 - IESO projects that Ontario's electricity demand will increase by more than 60% by 2050
 - In 2024, IESO launched its Long-Term 1 (LT1) procurement and awarded 13 projects 20-year contracts totaling 2,194.91 MW of new capacity
- Developers are responsible for consultation, obtaining permits, and for safely building, operating, and maintaining their facilities
- The **Ministry of Environment, Conservation & Parks (MECP)**, MEM, and local governments assess project applications, to ensure compliance with regulatory policies and standards



IESO's Projected Annual Energy Demand

Figure 2 | Annual Energy Demand



Source: IESO 2026 Annual Outlook

Neoen Battery Presentation

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Land Acknowledgement

We respectfully acknowledge that we are gathered on Saukiing Anishnaabekiing, the traditional lands of the Saugeen Anishinaabek who have cared for and inhabited these lands since time immemorial. These lands are part of the traditional and treaty territories of the Nations connected to Treaty 45½ (1836) and Treaty 72 (1854), including the Saugeen First Nation and the Chippewas of Nawash Unceded First Nation. We honour the enduring relationship they have with these lands and waters.

An experienced, global developer

Nearly 200 facilities worldwide, including nearly 20 storage facilities



More than 1 GW of secured capacity in Canada



Offices

Toronto & Calgary



Solar

957 MWp*



Battery Storage

1,218 MW*



Alberta

Fox Coulee Solar, Starland County
(93 MWp / 75 MWac)

Sweetgrass Solar w/ Storage, MD Willow Creek
(389 MWp + 150 MW / 300MWh)

Jumbo Battery, MD Willow Creek
(218 MW / 436 MWh)

Valley Edge Battery, Red Deer County
(250 MW / 500 MWh)



Ontario

Neoen Battery, Bruce County
(400 MW / 1,600 MWh)

Dunns Valley Solar, Algoma District
(253 MWp / 200 MWac)

Paradis Bay Solar, Timiskaming District
(65 MWp / 50 MWac)

Eagle Lake Power Reserve, Dryden
(200 MW / 1,600 MWh)



Saskatchewan

Mino Giizis Solar, RM Lajord
(157 MWp / 100 MWac)

*In operation or under development

Working with the Saugeen Ojibway Nation (SON)

- Neoen Battery is proposed for development in SON's Traditional Territory
- Neoen and SON have signed a Memorandum of Understanding to co-develop and co-own Neoen Battery in a 50% equity partnership
- Development activities conducted in close collaboration with the SON Environment Office



What is Battery Energy Storage?

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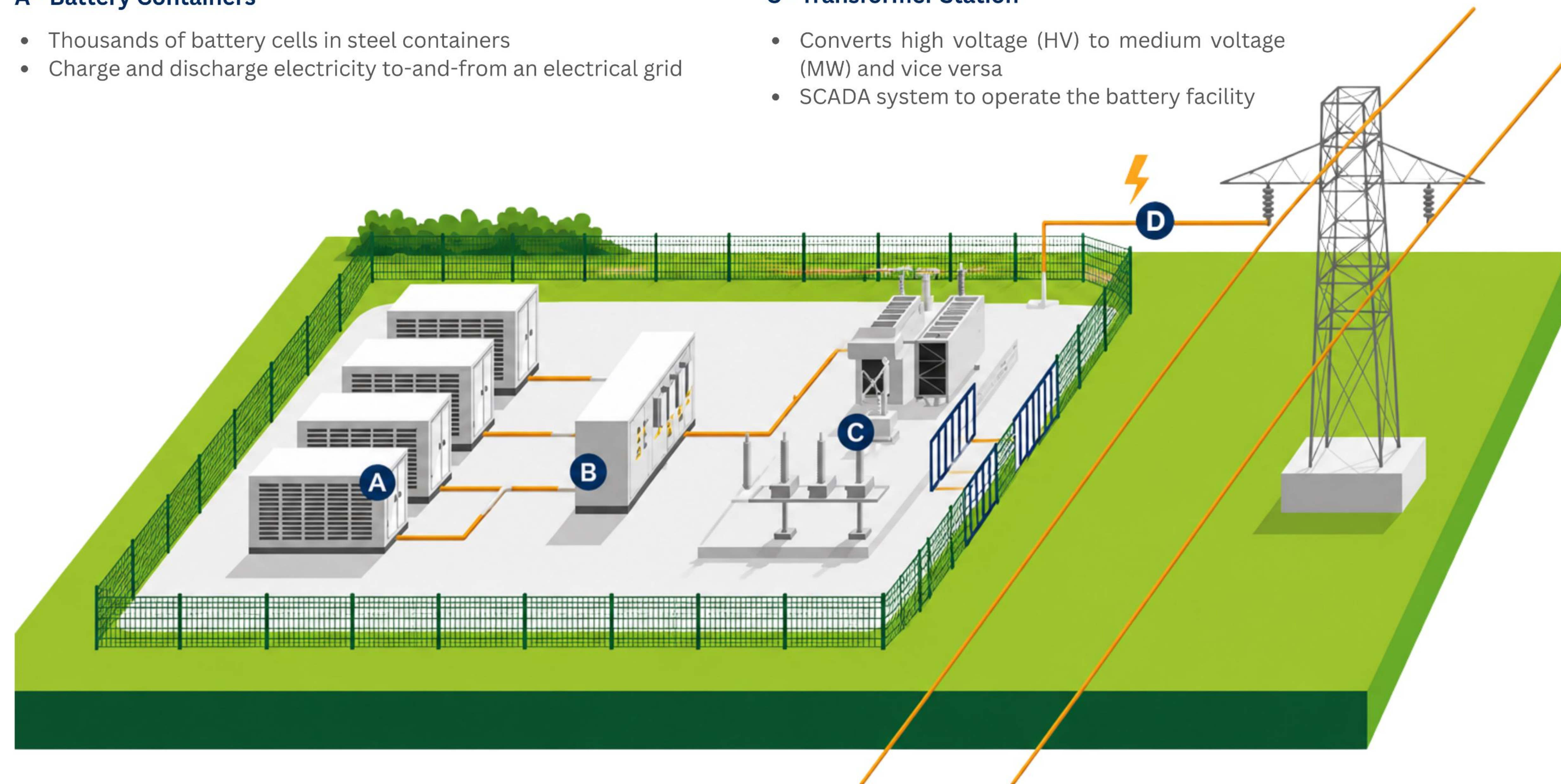
Safely stores electricity during periods of low demand and discharges it during demand peaks. A utility-scale battery stores and discharges electricity exclusively to-and-from the grid.

A - Battery Containers

- Thousands of battery cells in steel containers
- Charge and discharge electricity to-and-from an electrical grid

C - Transformer Station

- Converts high voltage (HV) to medium voltage (MW) and vice versa
- SCADA system to operate the battery facility

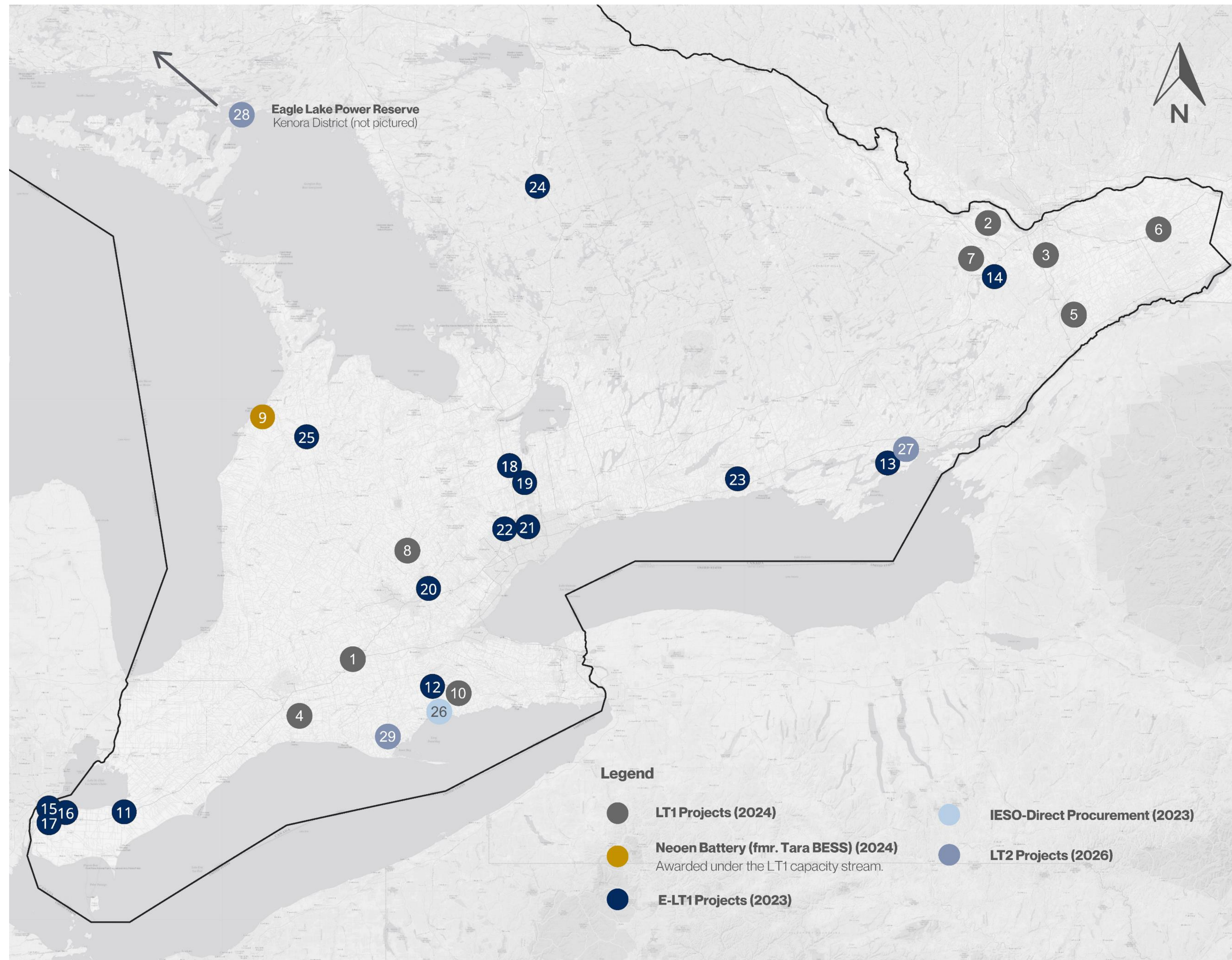


B - Inverter

- Converts direct current (DC) to alternating current (AC) and vice versa

D - Transmission Lines

- Transmission lines move electricity to-and-from the battery facility
- Steel structures hold the lines overhead
- Electricity travels to-and-from the grid



IESO-Awarded Battery Energy Storage System Projects

LT1 Projects (2024)

1. Oxford (125 MW)
2. South March (265.50 MW)
3. Trail Road (159.30 MW)
4. Edgeware (75 MW)
5. Skyview 2 (411 MW)
6. North Glengarry (16.30 MW)
7. Almonte BESS 2 (9.99 MW)
8. Elora (210.53 MW)
9. **Neoen Battery (fmr. Tara) (400 MW)**
10. Hedley (210.53 MW)

E-LT1 Projects (2023)

11. Sangjon (fmr. Tillbury) (80 MW)
12. Hagersville (300 MW)
13. Napanee Phase 1 (265 MW)
14. Almonte (4.99 MW)
15. Walker BESS 4 (4.99 MW)
16. Walker BESS 5 (4.99 MW)
17. Walker BESS 6 (4.99 MW)
18. York (120 MW)
19. Goreway (50 MW)
20. Arlen Energy Storage 1 (20 MW)
21. Vaughan 1E Energy Storage 1 (20 MW)
22. Vaughan 3 Energy Storage 1 (40 MW)
23. SFF 06 (4.99 MW)
24. 903 (4.99 MW)
25. OZ-1 (4.99 MW)

IESO-Direct Procurement (2023)

26. Oneida (250 MW)

LT2 Projects (2026)

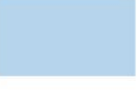
27. Napanee Phase 2 (300 MW)
28. Eagle Lake Power Reserve (200 MW)
29. Simcoe Battery (150 MW)

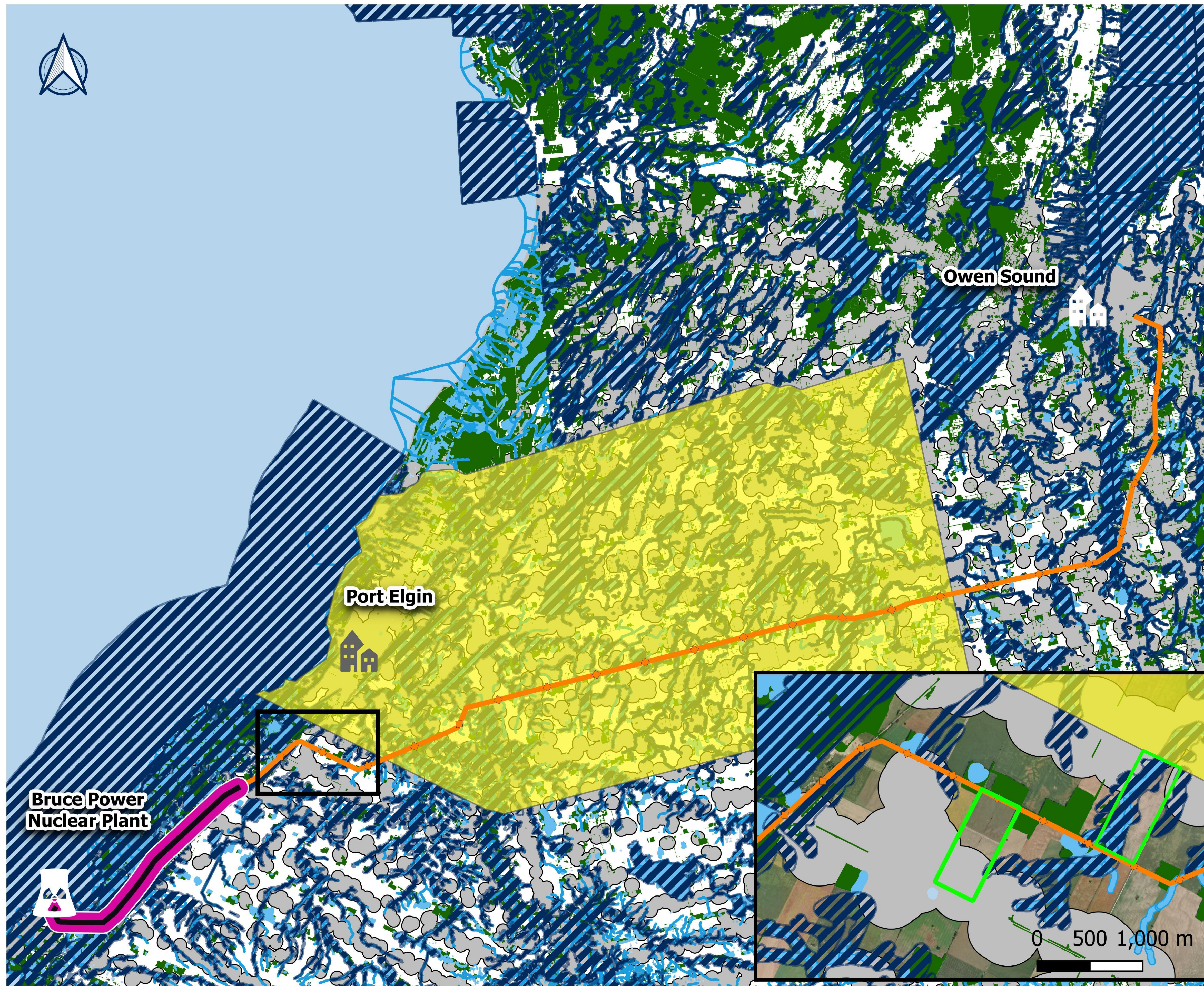
Why in Saugeen Shores?

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Neoen Battery Saugeen Shores

Legend

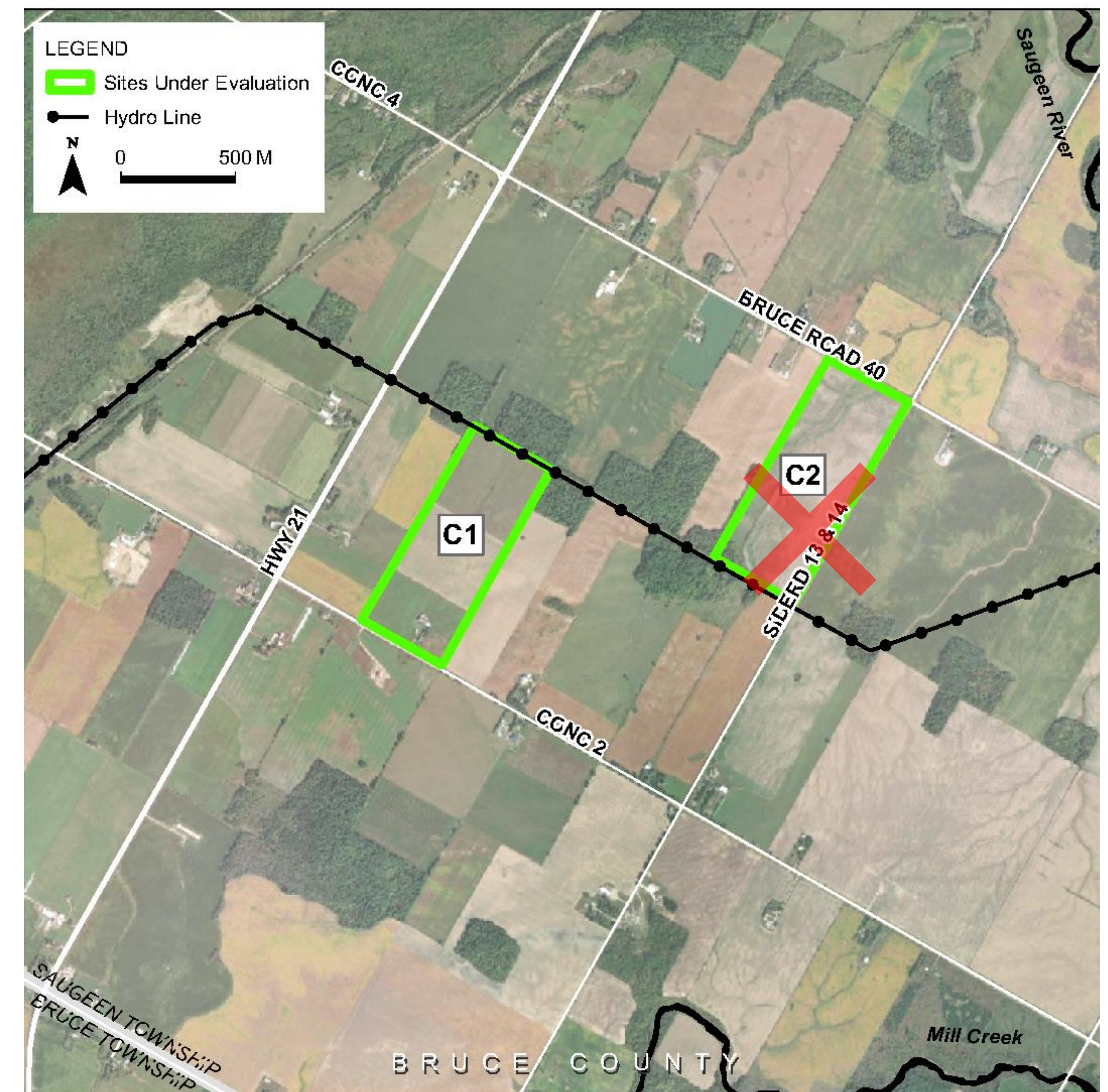
-  Hydro One
Interconnection avoidance
segment
-  Hydro Line
B27S / B28S
- Constraints**
-  SON energy buffer zone
-  Conservation Authority
Regulated Areas
-  Watercourses
-  Waterbodies
-  Wetlands
-  Wooded areas
-  Setback from residential
dwellings



0 5 10 km

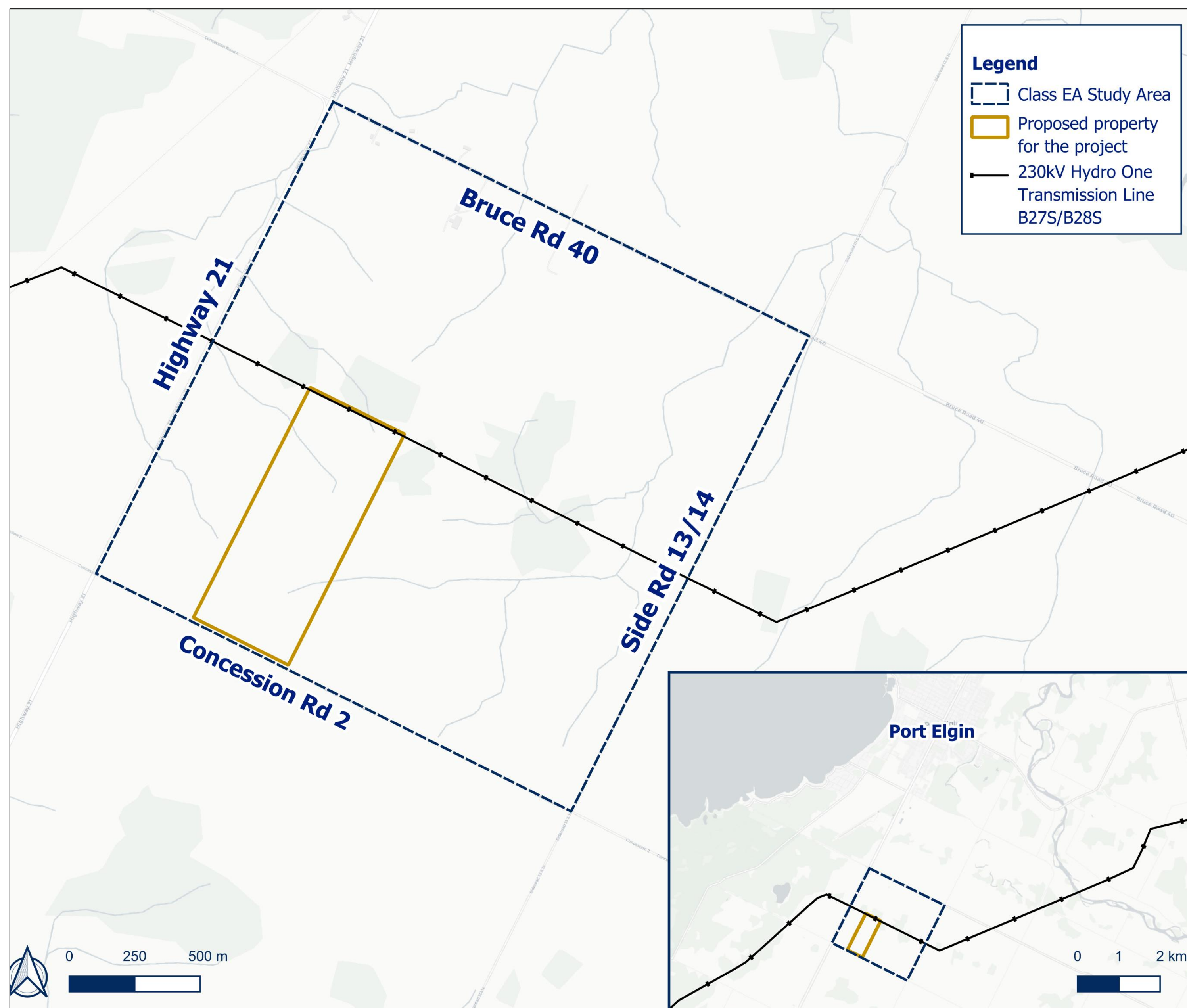
Site Selection

- Neoen Battery (formerly Tara BESS) was previously proposed for development in the Municipality of Arran-Elderslie
- A decision was made to relocate the site was made to relocate the site outside of a floodplain and outside of SON's Buffer Zone
- Neoen worked with SON Environment Office to identify alternative sites
- After an extensive review of potential development sites in Bruce and Grey counties, two sites (C1 and C2) in the Town of Saugeen Shores were evaluated
- Site C1 was selected for development following detailed feasibility studies and consultation



Proposed Project Location

752 Concession Road 2, east of Highway 21, approximately 5-kilometers south of Port Elgin in the Town of Saugeen Shores.



Site Features

- ✓ Proximity to the B27/28S – a high voltage transmission line with capacity that carries electricity across the province
- ✓ Avoids environmentally sensitive areas – the site is within Saugeen Valley Conservation Authority (SCVA) jurisdiction and does not require SVCA approval
- ✓ Setback from residential dwellings
- ✓ Outside of the Buffer Zone and Hydro One's Interconnection avoidance area
- ✓ Supportive host landowner
- ✓ Adequate space to construct and operate a battery storage facility
- ✓ Site allows for continuity of agricultural activities on the balance of the land

Our Commitment to Agricultural Continuity

- The project will occupy approximately 29 acres, while agricultural activities can continue on the balance of the property
- Prior to construction, contractors will carefully remove and store topsoil for the duration of construction and operations, and will reinstate when the project is decommissioned
- Neoen will work with the landowner to rehabilitate an agricultural site, and will explore other opportunities to support local biodiversity, agricultural, and food security initiatives

Community Greenhouse



A Neoen-led community greenhouse initiative in Aguascalientes, Mexico, with rainwater storage to provide a reliable local food source for the farming community.

Neoen has prepared detailed soil management and decommissioning plans for the proposed project site, which will be assessed as part of the development approvals process. Neoen is committed to developing these plans to the satisfaction of the SON, Bruce County, and the Town of Saugeen Shores.

Project Decommissioning

- At the end of the project life, the facility will be decommissioned and restored to its existing use
- A legally enforceable Decommissioning Plan approved by the municipality and guaranteed by a financial security will be in place prior to construction of the facility
- Neoen works with leading battery recycling program providers to recycle the majority of battery materials for reuse in new products



DeGrussa Solar Farm & Battery

In 2025, Neoen successfully decommissioned its DeGrussa Solar Farm and Battery project located in Australia and restored the land to its pre-construction condition.

What will Neoen Battery look like?

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Facility Components

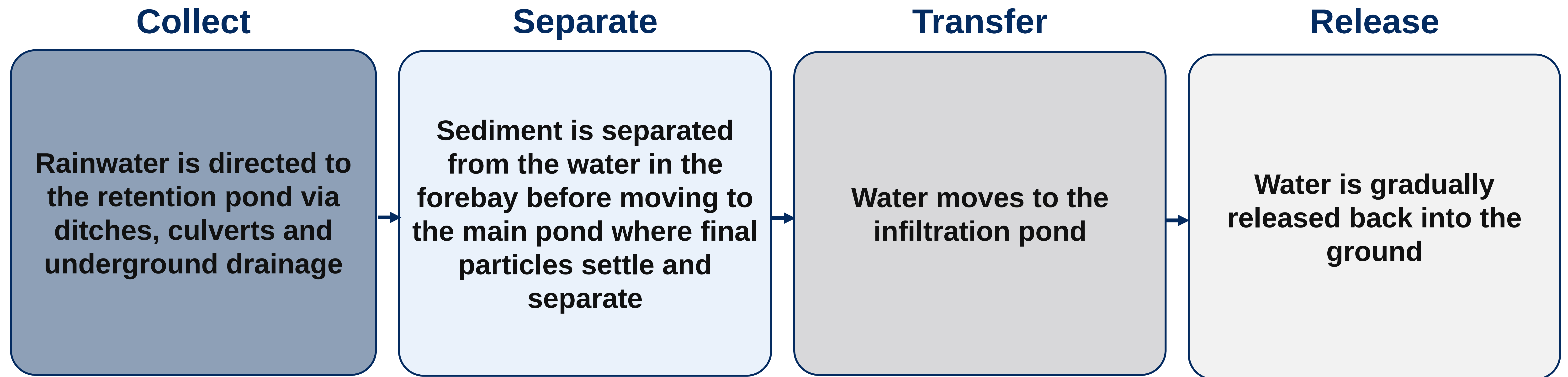
1. 344 lithium iron phosphate (LFP) battery containers with built-in inverters — the safest chemistry in battery storage technology
2. 3 high voltage (HV) and 86 medium voltage (MV) transformers
3. Interconnection to Hydro One's existing B27/28S HV transmission line at the north perimeter
4. Operations and maintenance building
5. Stormwater management system (incl. retention pond and infiltration pond)
6. Potable water tank and septic tank
7. Fencing, vegetated berm, and mature tree screening along the site perimeter (min. 3:1 tree replanting)
8. Site access from Concession Road 2

Total Project Footprint: ~29 acres

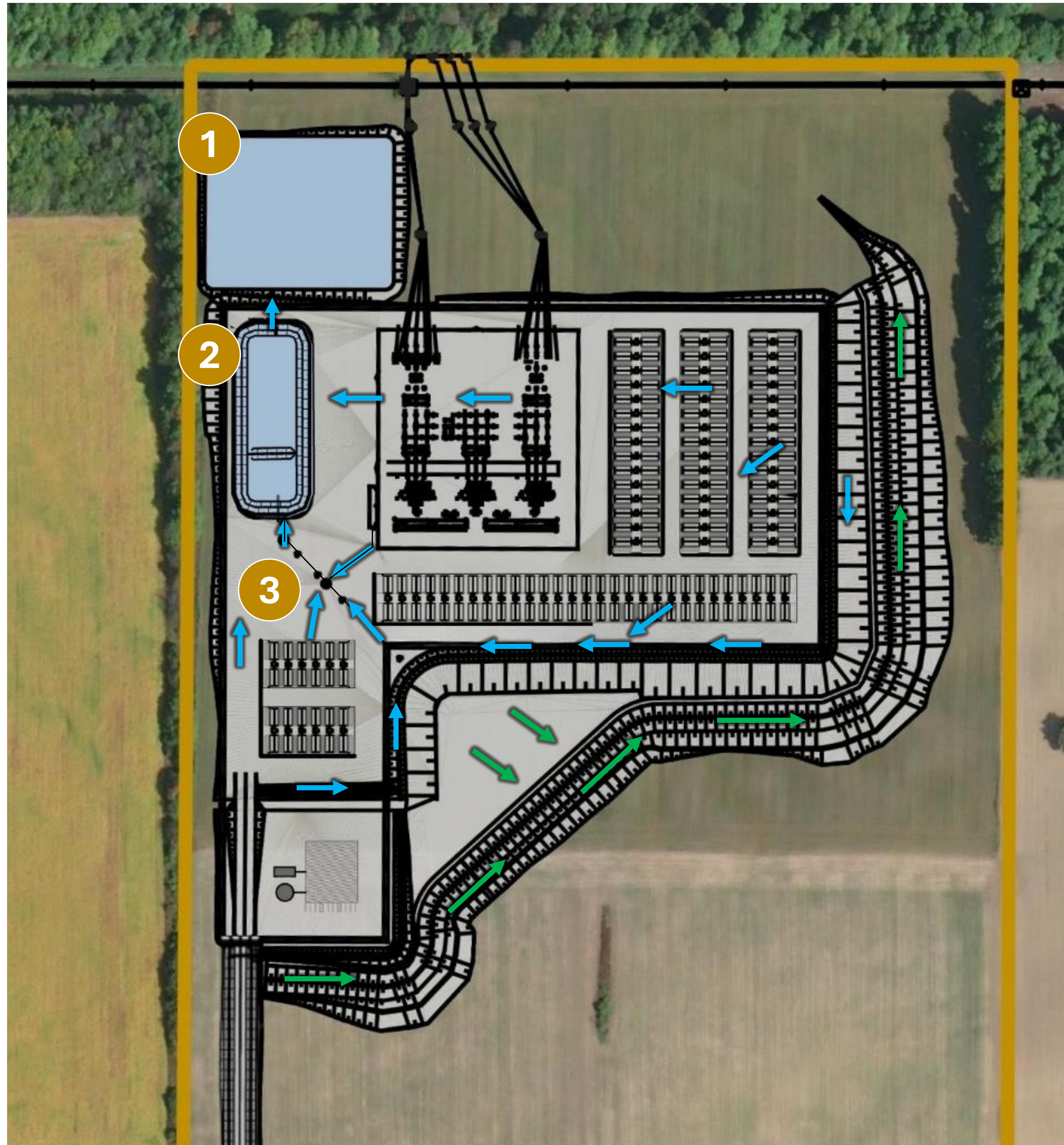


How it works

The stormwater management system protects water and soil quality and prevents flooding. The primary components of the stormwater management system for Neoen Battery include a surface run-off system, a retention pond, and an infiltration pond.



The stormwater management system includes a shut-off valve and overflow protection solution to contained stormwater in the retention pond in case of a hazard or extreme weather event.



System Components

- 1. Surface Run-off System** - comprises of ditches, culverts, maintenance holes, and subsurface inlet and outlet sewer pipes, and a shut-off valve for containment.
- 2. Retention Pond (wet pond)** - comprises of ditches, culverts, maintenance holes, and subsurface inlet and outlet sewer pipes, and a shut-off valve for containment.
- 3. Infiltration Pond** – holds treated water from the retention pond and releases it back into the ground.

How do you ensure it is safe?

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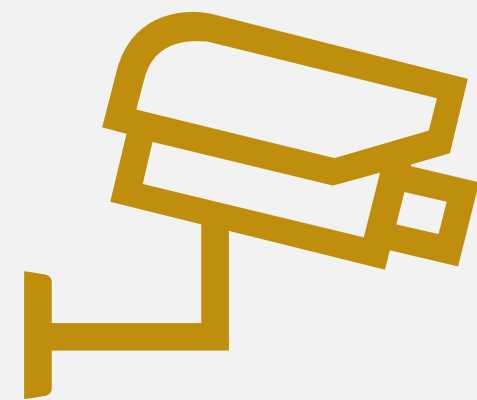
Neoen Battery Safety Features



- Safest battery chemistry
- Built-in Battery Management System (BMS)
- Compliance with industry standards and certifications



- Avoids environmentally sensitive areas and setback from residential dwellings
- Minimum battery container spacing
- Comprehensive Stormwater Management System and in-container spill basins



- 24-hour remote monitoring and automated response
- Rigorous safety, inspection and maintenance procedures

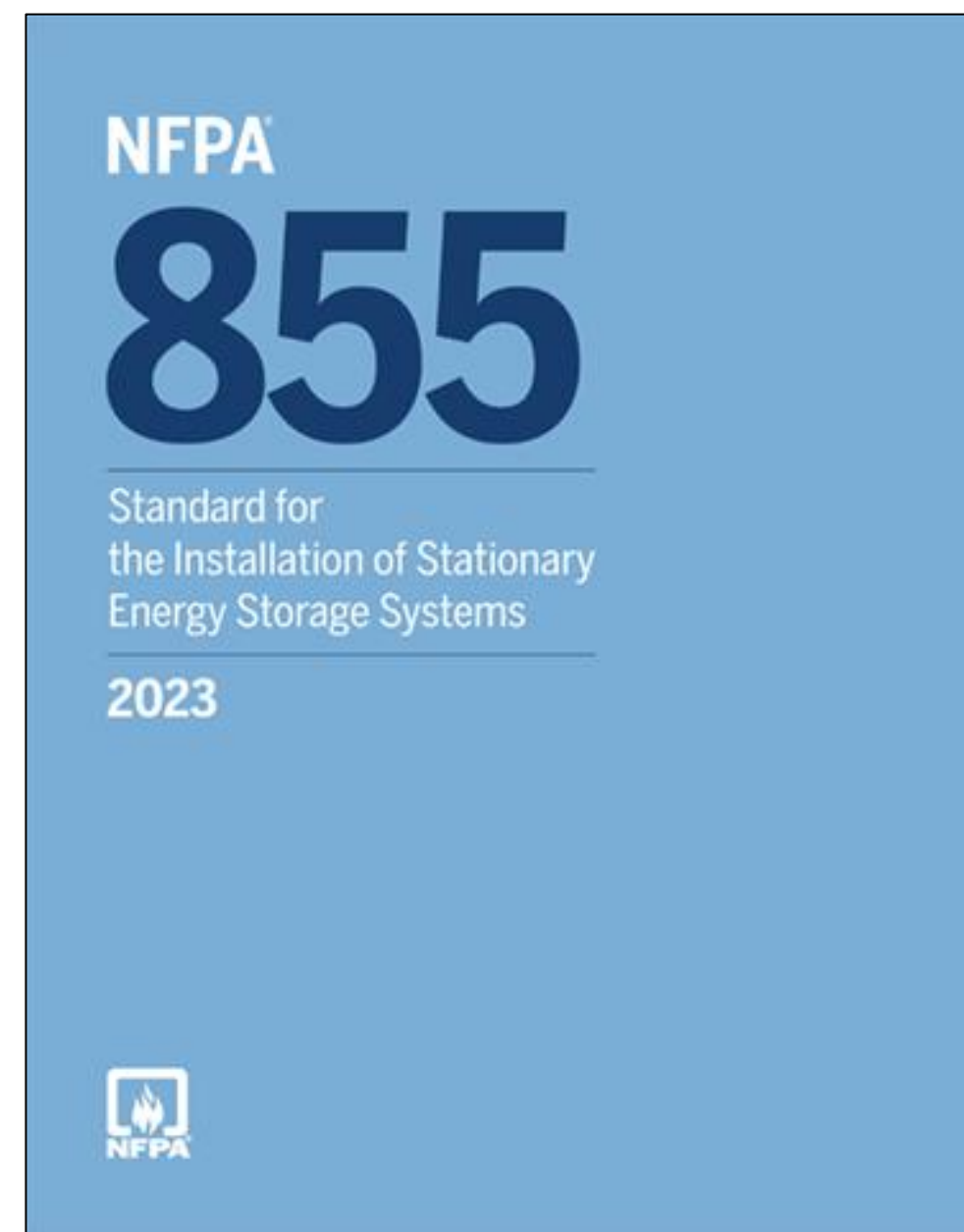


- Emergency Response Plan prepared by industry experts in coordination with local government
- Energy storage and site-specific training for local first responders

Working with Industry Experts

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National Codes and Standards



Standard for Stationary ESS Installations

2023 NFPA 855

Fire Protection Systems including:

- Explosion Protection to: NFPA 69 - Exhaust Ventilation or NFPA 68 - Deflagration Venting
- Automatic Fire Alarm and Detection – NFPA 72



Large-Scale Fire Testing

UL 9540A: Standard for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems



Listings/Certifications for ESS and Associated Equipment

UL 9540: Standard for ESS and Equipment

Includes:

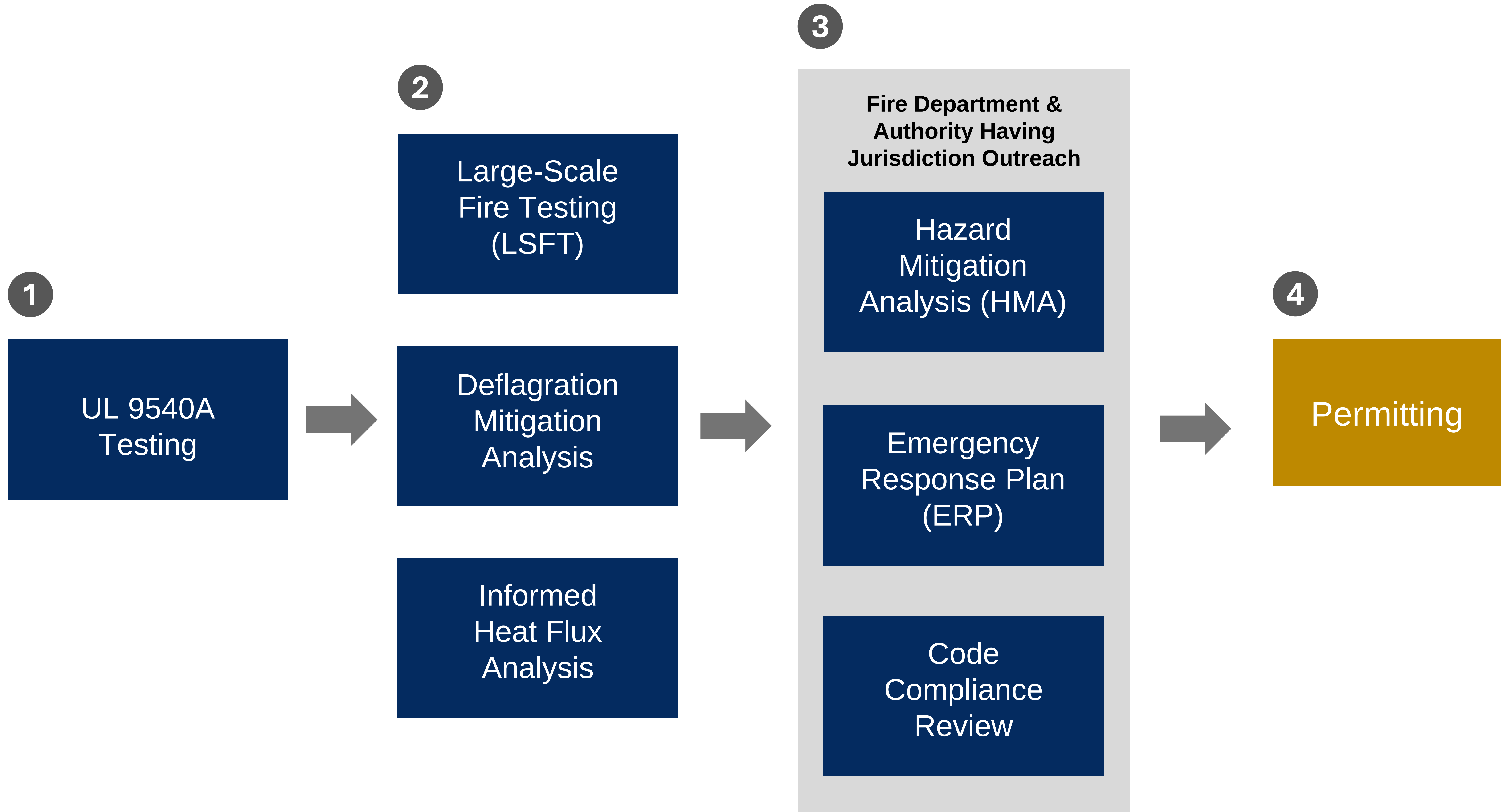
- UL 1973 for cell, battery, rack
- UL 1741 for inverters



Primary Codes/Standards for ESS Installations

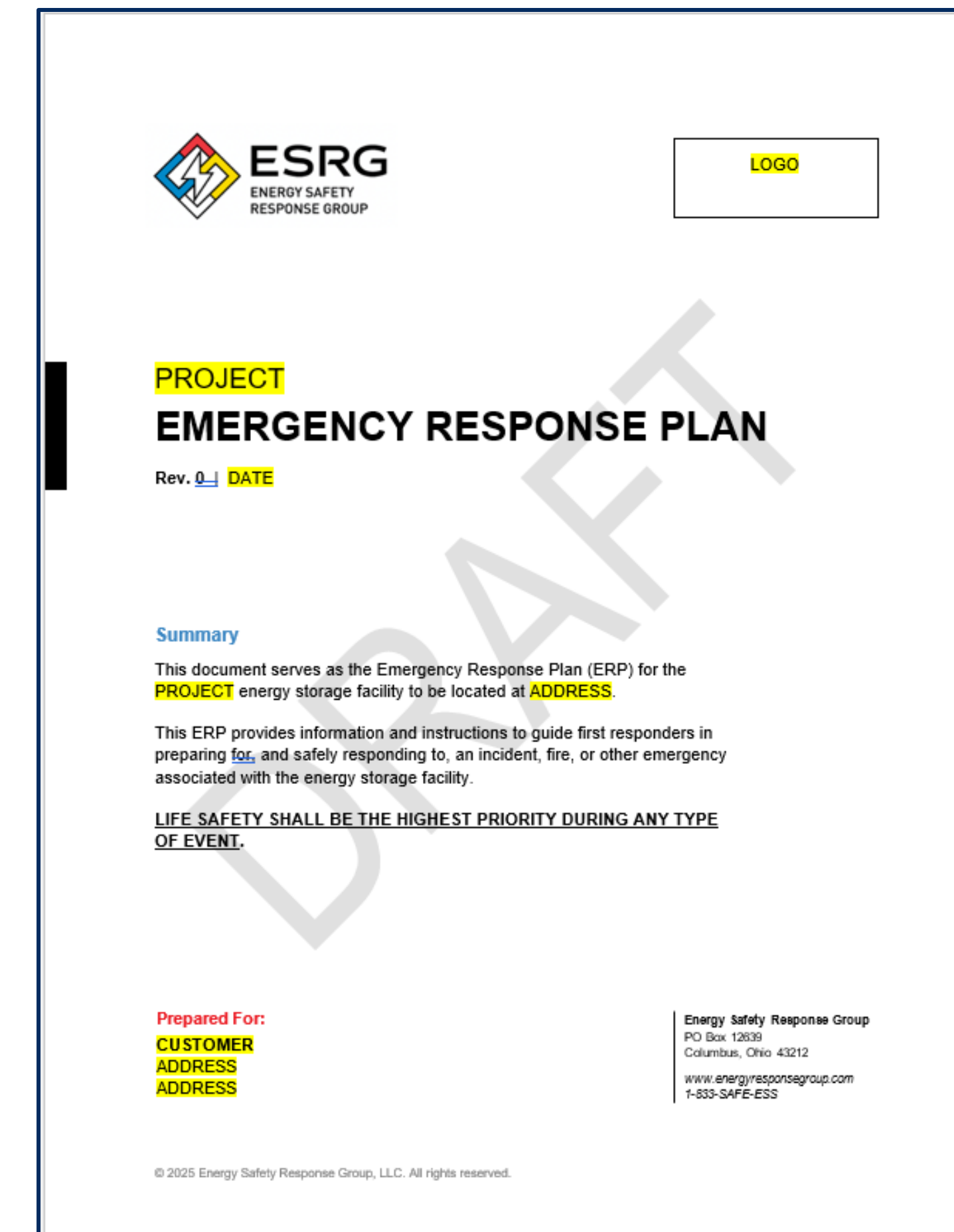
2021 International Fire Code (IFC)

- 2020 NYS Uniform Fire Prevention Code Chapter 12
- NYS Code Allows for Peer Review and Subject Matter Expert (Fire Remediation) (Optional)



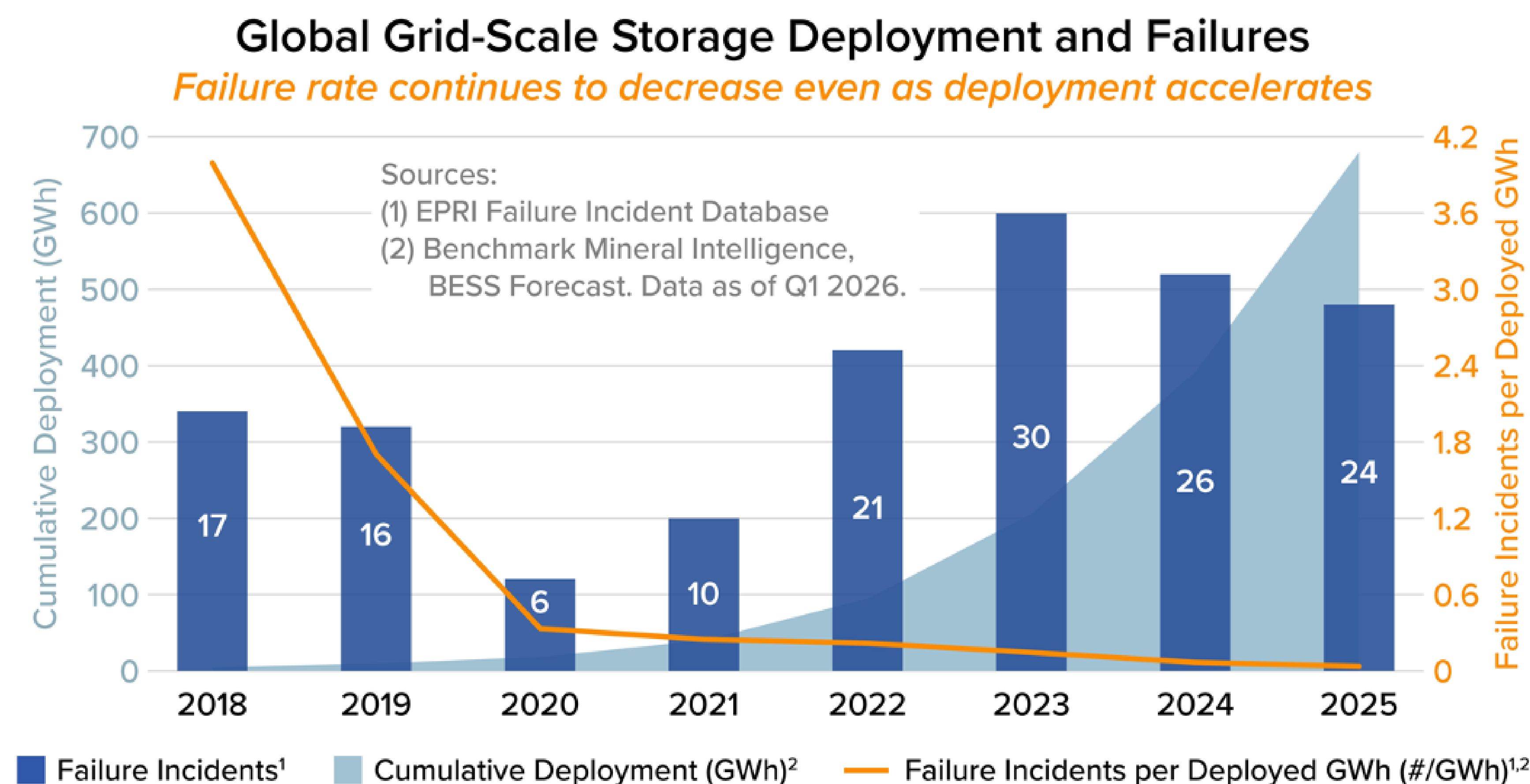
Safety Requirements and Activities

- Ensure compliance with all 855/IFC requirements and industry best practices
- Develop an Emergency Response Plan
- Provide site-specific battery energy storage training to local first responders



More projects, fewer incidents

- Battery storage has expanded worldwide since 2018 – from 3 GWh to more than 650 GWh. This serves approximately 400,000 homes
- Concurrently, the chance of BESS failure rate has dropped by about 99%**
- Incidents are now very rare, thanks to better codes and standards, equipment, fire detection, and 24/7 monitoring.
- The air dispersion modelling confirms that concentrations of off-gas will be below health-based standards at all surrounding locations
- Smoke from the fire will not pose a risk to the local residents



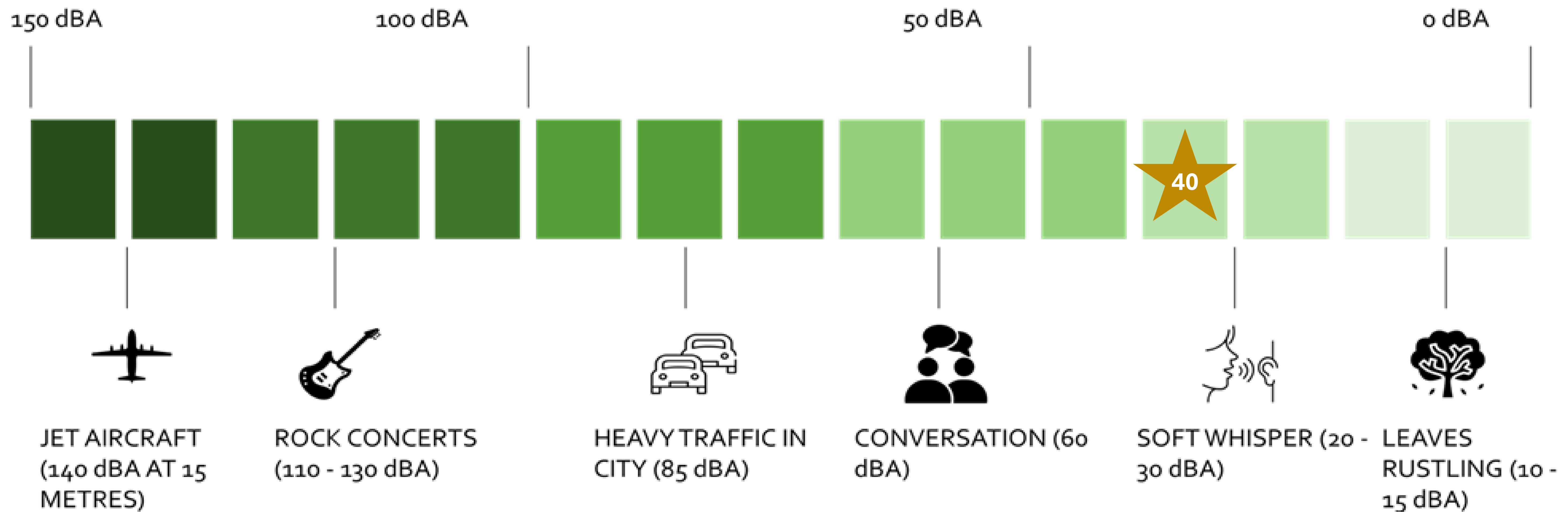
- After the event the container will be isolated and specialized team will prepare for its proper offsite disposal

Likelihood of fire is low, but in case of a fire

- The spacing of containers will be in accordance with NFPA 855 and the manufacturer's specifications
- The system will safely fail within expected engineering design
- The container will consume itself and fire will not spread to adjacent containers
- Design regulations prevent spread of the fire from the BESS facility to neighboring land
- Design safeguards prevent contamination of soil, groundwater or surface water
- The fire department will receive site-specific emergency response training before operations begin and on an annual basis to maintain preparedness and ensure safe response tactics

What will it sound like?

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Neoen Battery sound level at the nearest dwelling

Sound Mitigation

- A Noise Impact Assessment was conducted in accordance with the MECP's guidelines (NPC-300)
- Provincial regulations limit noise levels at neighbouring homes to
 - daytime 45 dBA
 - nighttime of 40 dBA
- These levels are similar to the ambient sound levels in the area
- Stationary noise sources for Neoen Battery include substation transformers and the fans and inverters within the battery containers
- By limiting fan speed and erecting acoustic barrier walls, Neoen Battery will comply with provincial noise limits

Surrounding Dwellings

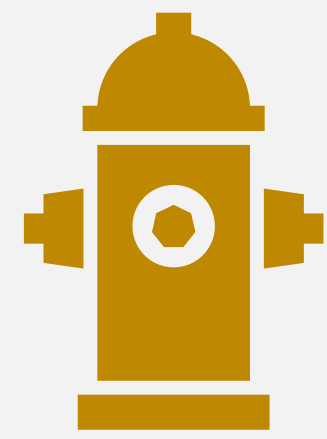


**How will Neoen Battery benefit the
community?**

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\$450,000 annual Community Benefits Fund



Direct investment in Saugeen Shores Fire Department



Up to \$130,000 in municipal tax revenues



200+ jobs at construction, plus supplier opportunities



Investments in local art, heritage, and biodiversity initiatives

Saugeen Sparks Training Centre Clean Energy Solutions Week



What's Next?

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The following technical studies, surveys and assessments have or will be conducted to inform development and support Neoen's development applications:



Environment & Natural Heritage

- ✓ Environmental Impact Study
- ✓ Stormwater Management Study
- ✓ Hydrogeological Survey
- ✓ Archaeological Assessment



Community & Land Use

- ✓ Planning Justification Report
- ✓ Agricultural Impact Assessment (AIA)
- ✓ Cultural Heritage Assessment



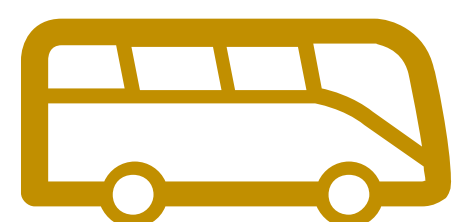
Safety & Operations

- ✓ Emergency Response Plan (ERP)
- ✓ Noise Impact Assessment (NIA)
- ✓ Decommissioning Plan



Community Consultation

Neoen has and engaged the Saugeen Ojibway Nation, Provincial Ministries, local stakeholders, including Bruce County, the Town of Saugeen Shores, and Saugeen Valley Conservation Authority, and local residents in the development of Neoen Battery.



Site Access

- Traffic Study (underway)



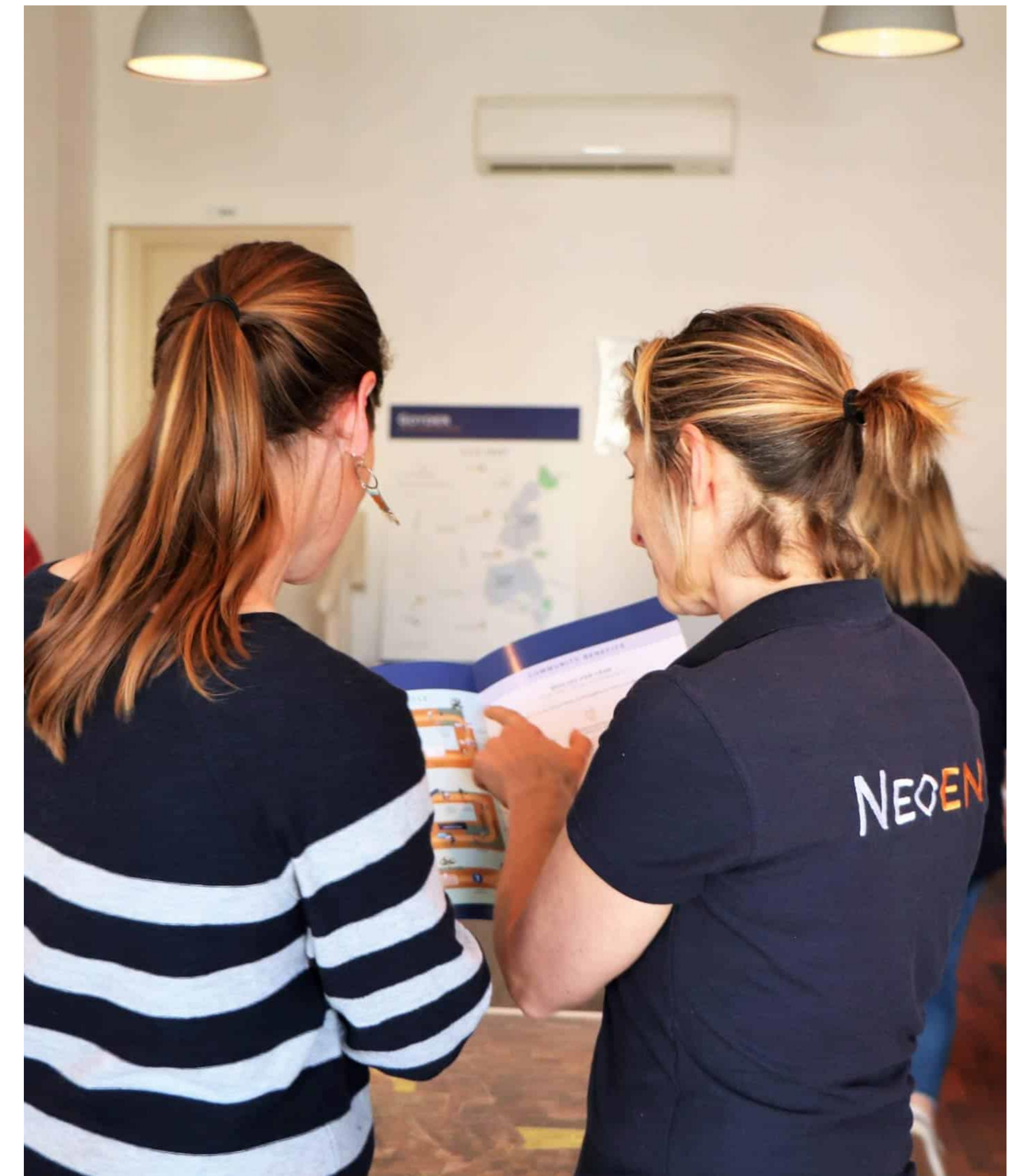
**Neoen Battery is subject to a rigorous, multi-jurisdictional review and approvals process.
Construction of the facility will not commence until all approvals have been obtained.**

We want to hear from you!

- We welcome and will appreciate your feedback – it will be considered and will form part of a public consultation record for Neoen Battery
- An ongoing dialogue – there will be future opportunities to learn, ask questions and share feedback

Keep in touch!

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Website: <https://canada.neoen.com/neoen-battery/>



Thanks for joining us!

Q & A

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