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Neoen Battery Project Presentation
Community Liaison Committee Meeting #1

November 10, 2026

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Agenda

1. Battery Energy Storage in Ontario
2. Company Overview
3. Site Selection
4. Proposed Layout
5. Battery Energy Storage Safety, Stormwater and Sound
6. Community Investment
7. Timeline
8. Draft Landscape Plan
9. Draft Lighting Plan

Battery Storage in Ontario

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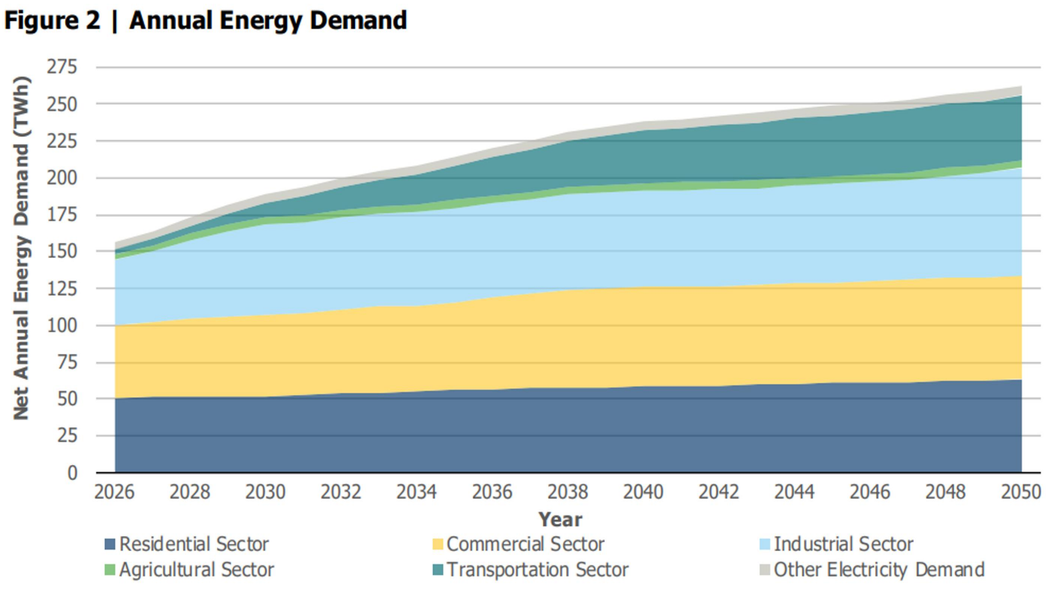
Why Battery Energy Storage?

- 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

Ontario

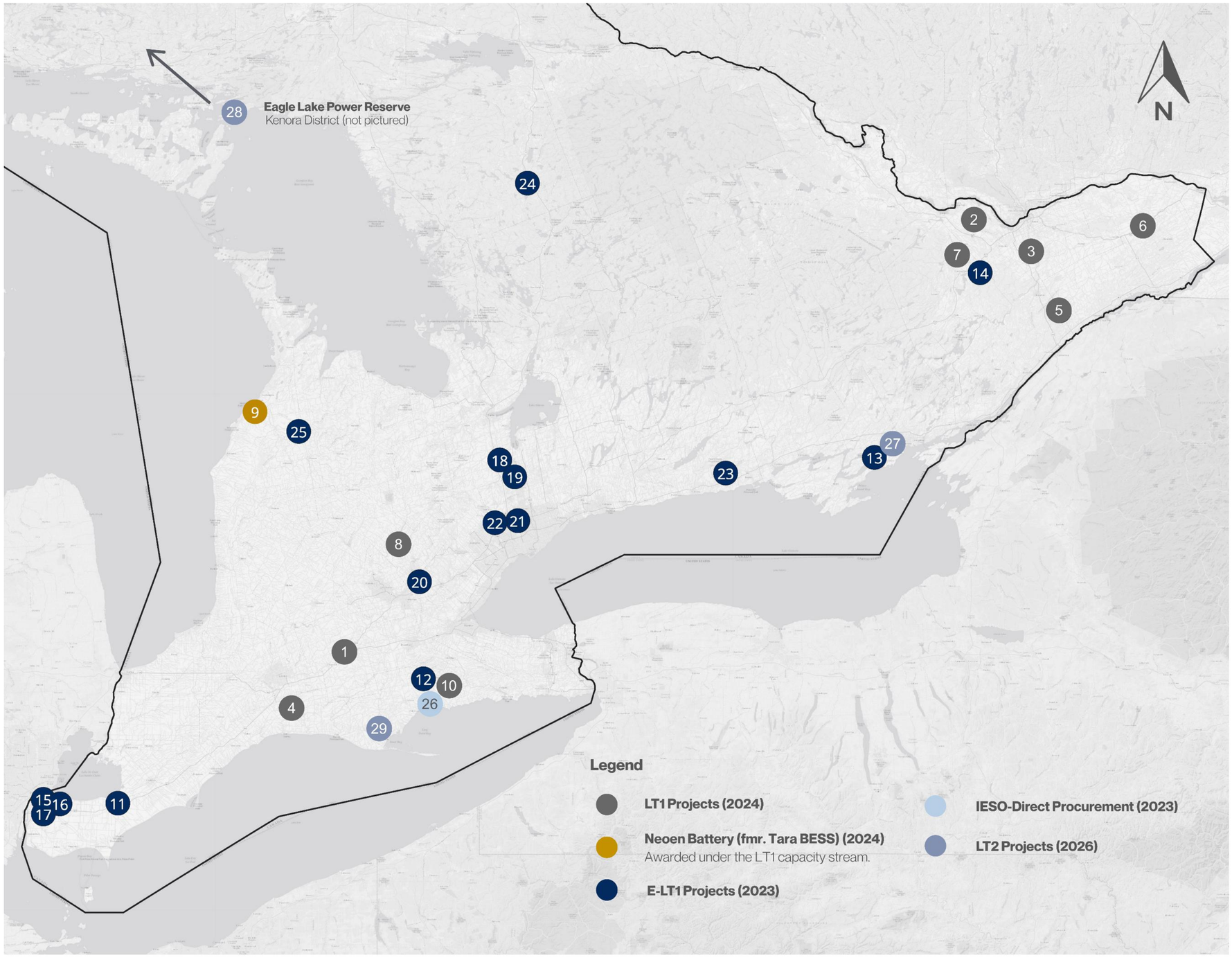
ieso
Connecting Today.
Powering Tomorrow.

IESO's Projected Annual Energy Demand



Source: IESO 2026 Annual Outlook

Map of Battery Storage Projects in Ontario



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)

Who We Are

NEOEN

NEOEN

An experienced, global developer

Nearly 200 facilities worldwide, including nearly 20 storage facilities



NEOEN

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 are conducted in close collaboration with the SON Environment Office



What is Battery Energy Storage?

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What is Battery Energy Storage?

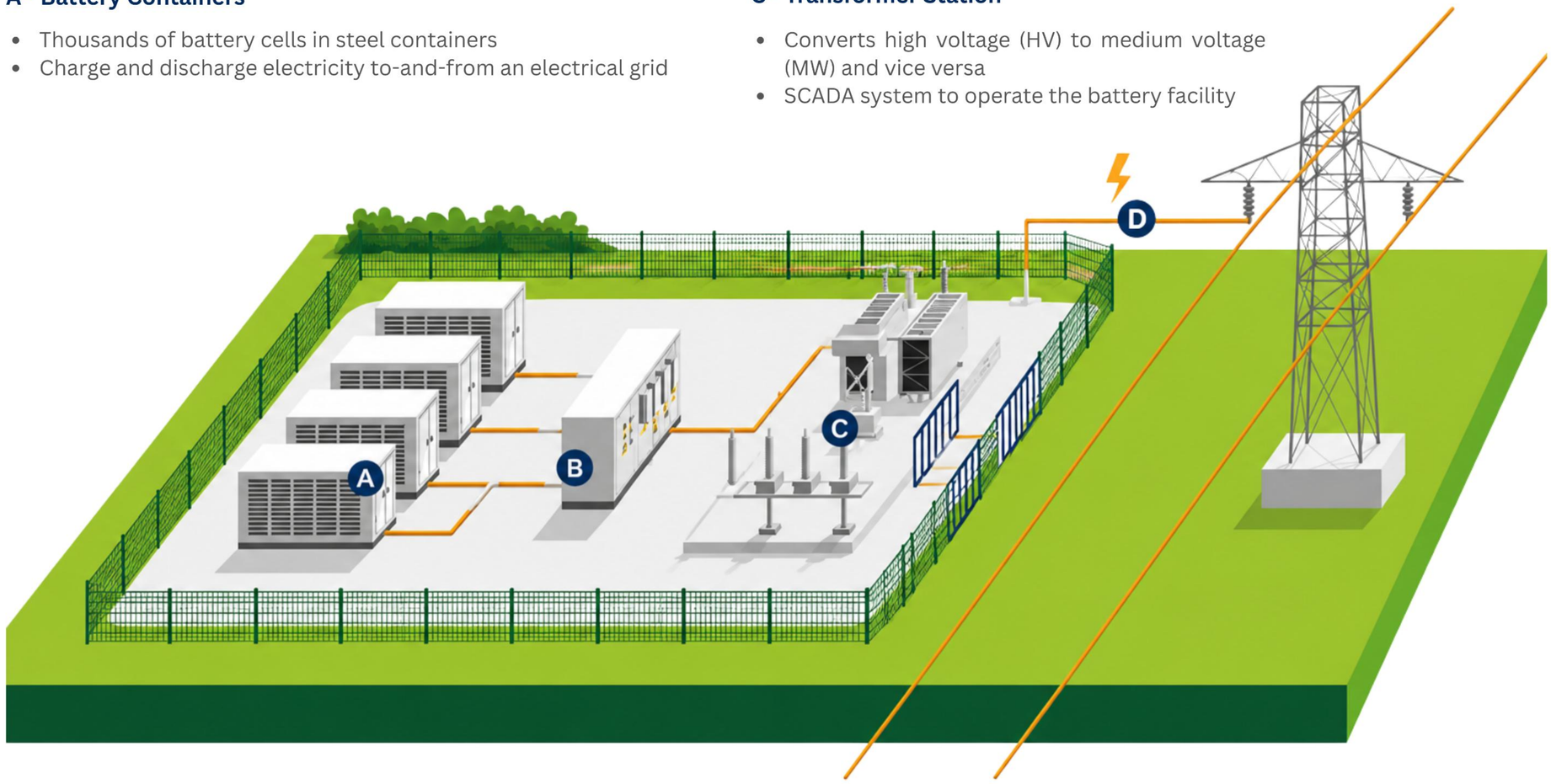
Safely stores electricity during periods of low demand and discharges it during demand peaks. A utility-scale battery stores and discharges electricity exclusively to-and-from the grid.

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

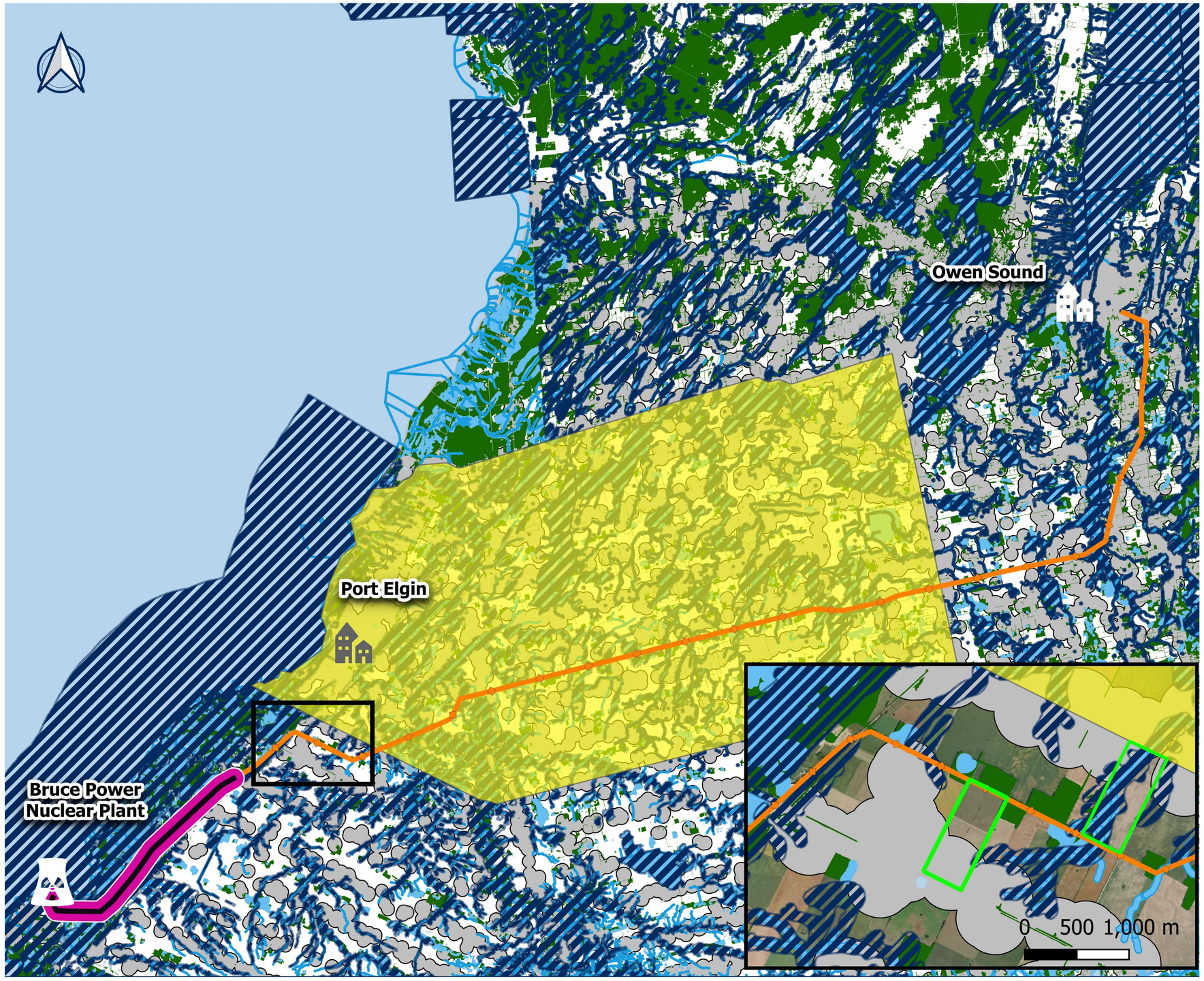
D - Transmission Lines

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

Why in Saugeen Shores?

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Site Selection Constraints



Neoen Battery
Saugeen Shores

Legend

- Hydro One Interconnection avoidance segment
- Hydro Line B27S / B28S

Constraints

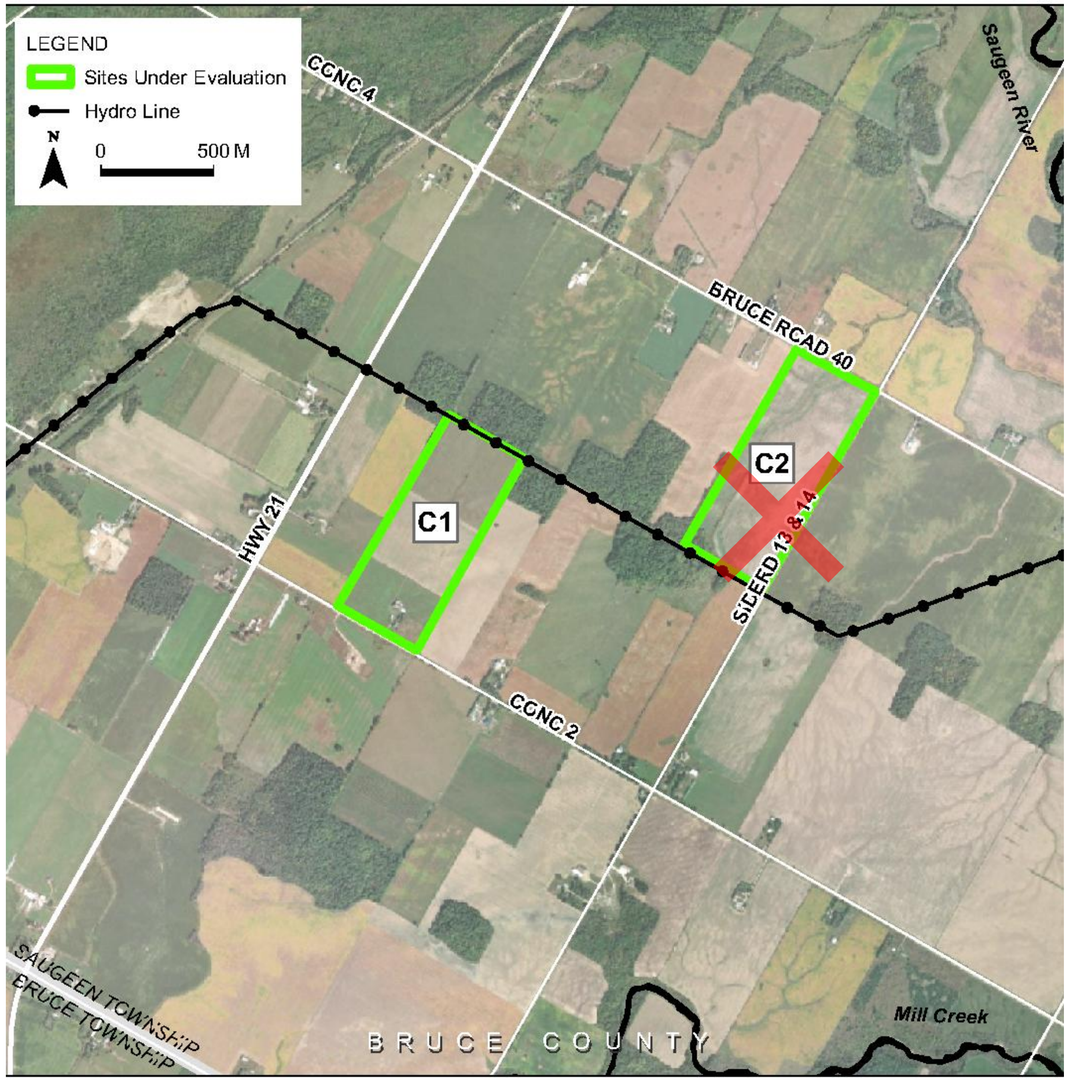
- SON energy buffer zone
- Conservation Authority Regulated Areas
- Watercourses
- Waterbodies
- Wetlands
- Wooded areas
- Setback from residential dwellings

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Finding a Project Site

Site Selection

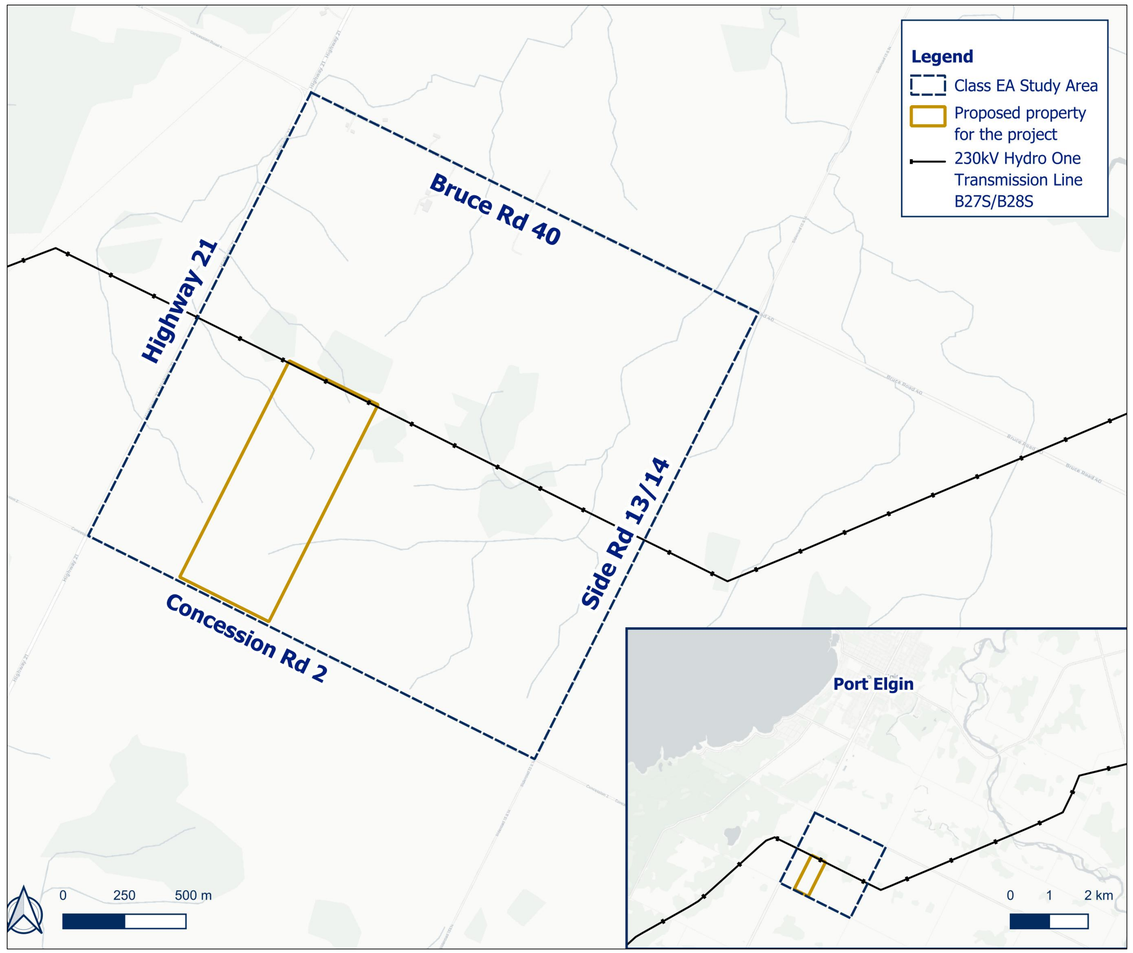
- Neoen Battery (formerly Tara BESS) was previously proposed for development in the Municipality of Arran-Elderslie
- A decision was made to relocate the site was made to relocate the site outside of a floodplain and outside of SON's Buffer Zone
- Neoen worked with SON Environment Office to identify 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



Why here?

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

How will you protect agricultural 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.

What happens at the end of the project life?

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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Neoen Battery Conceptual Rendering – Aerial View



Neoen Battery Conceptual Rendering – Aerial View (SE corner)



Neoen Battery Conceptual Rendering – Street View (Hwy 21 & Con 2)

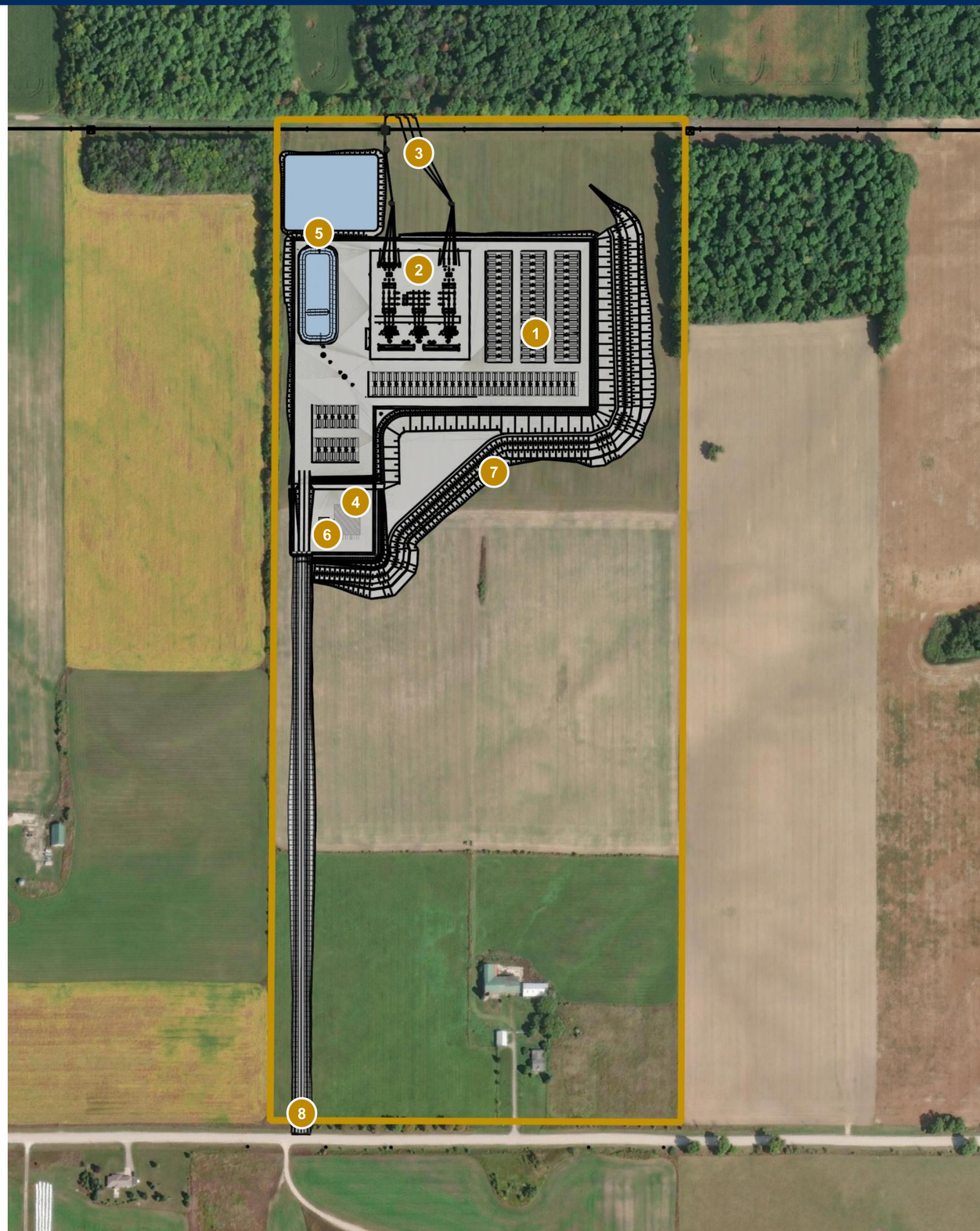


Proposed Facility Layout

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

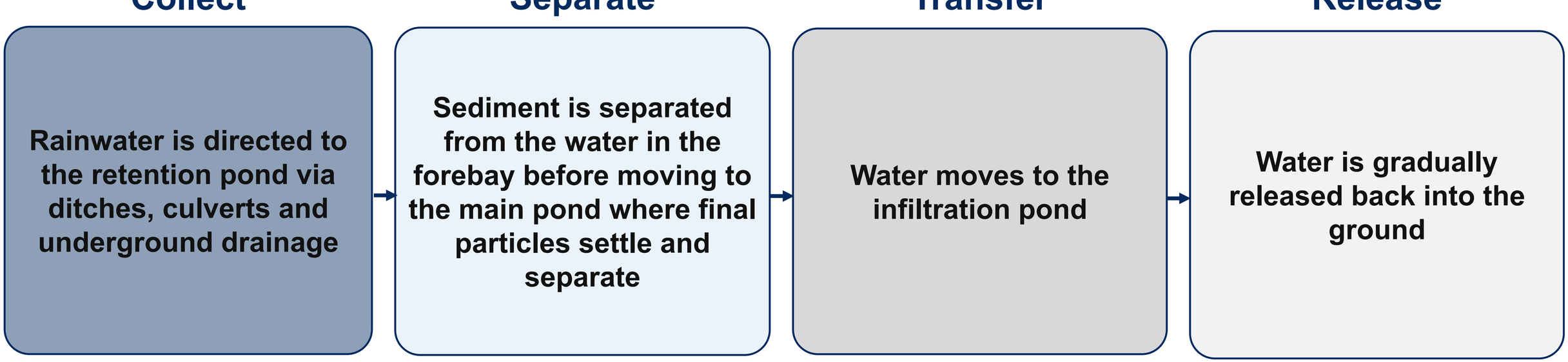
Total Project Footprint: ~29 acres



Stormwater Management System

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.

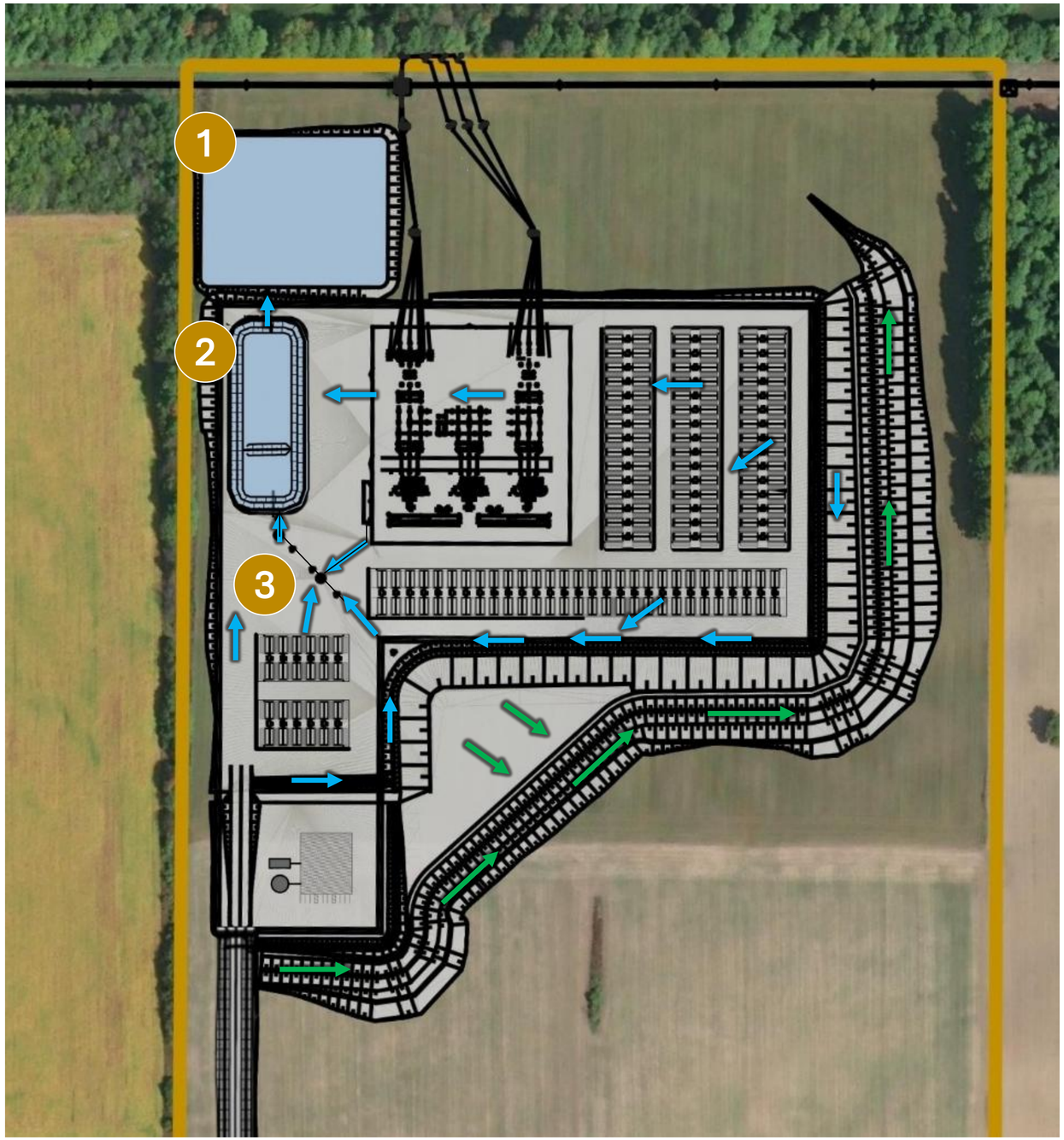


The stormwater management system includes a shut-off valve and overflow protection solution to contained stormwater in the retention pond in case of a hazard or extreme weather event.

BM1

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Stormwater Management System



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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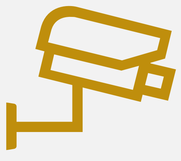
Neoen Battery Safety Features



- 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

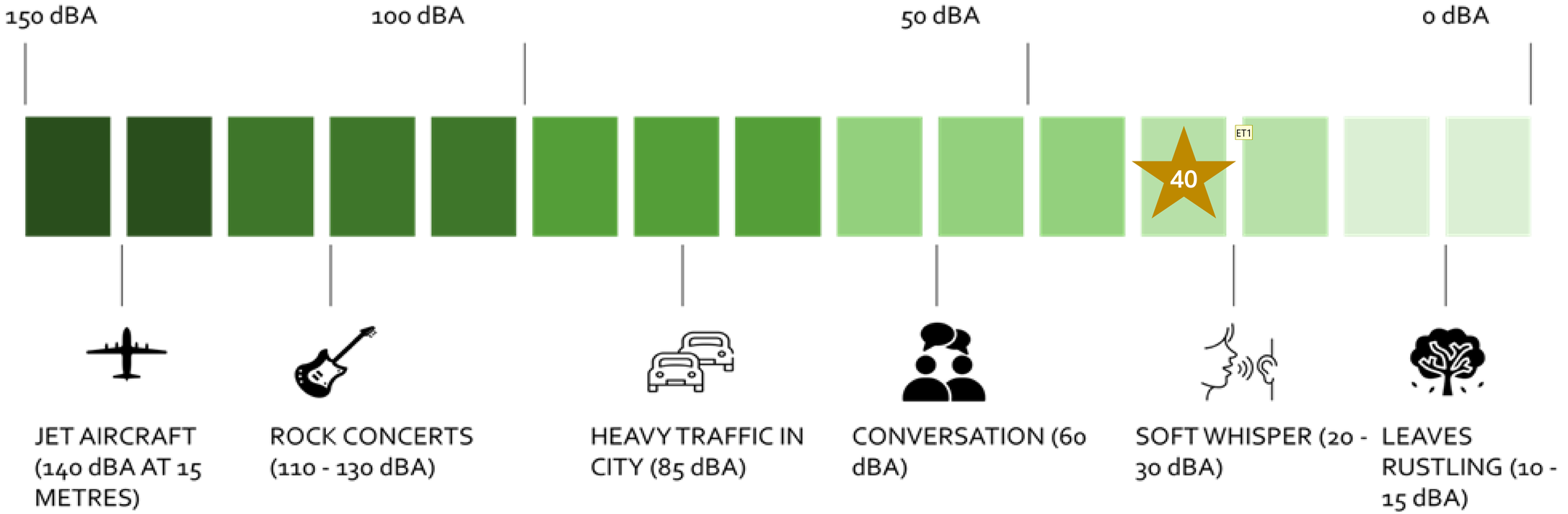
Likelihood of fire is low, but in case of a fire

- 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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How will it sound?



Neoen Battery sound level at the nearest dwelling

How will sound be mitigated?

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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Our Commitment to the Community

$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

Community Investment

Saugeen Sparks Training Centre Clean Energy Solutions Week









Timeline

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What's Next?

2026

We are here

1

Project Design, Consultation and Development Applications

Q3-Q4 2026

Neoen conducts community consultation and submits initial development applications.

- Official Plan Amendment (OPA) and Zoning Bylaw Amendment (ZBA) Application (Submitted)
- Stage 1-3 Archaeological Assessment
- Class Environmental Assessment for Transmission Facilities – Screening Process
- Noise Environmental Activity and Sector Registry
- Stormwater Environmental Activity and Sector Registry

2027

2

Development Approval and Construction Applications

Q1 2027

- Obtain OPA and ZBA (Bruce County and Saugeen Shores)
- Site Plan Application
- Building Permit Application

Subject to Project Approval

2028

3

Construction

Q2 2027

Construction of Neoen Battery begins.

4

Operations

Q3 2028

Commercial operations of Neoen Battery begin.

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.

Draft Landscape Plan

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Proposed Site – NW from Con. Rd. 2



Proposed Site – NE from Con. Rd. 2



Proposed Site – NE from Con. Rd. 2

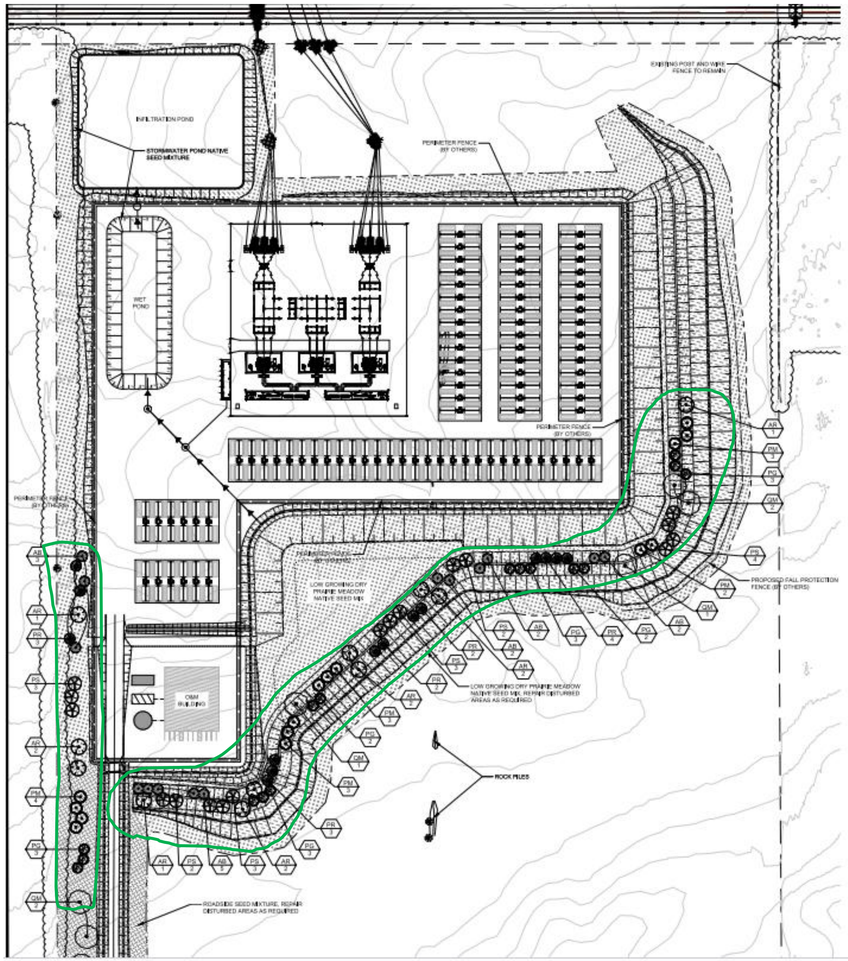


Draft Landscape Plan – Overview

Neoen is seeking feedback on its Draft Landscape Plan for the proposed Neoen Battery site. The draft plan includes:

- **94 new trees**, including **76 evergreens** and **18 deciduous trees** representing 7 species
- Approx. 2 metres in height at the time of planning
- **3 native vegetation seed mixes** for meadow, roadside and stormwater pond areas

SUMMARY OF TREES			
BOTANICAL NAME	COMMON NAME	QTY	MAX. HEIGHT
CONIFEROUS TREES			
ABIES BALSMEA	BALSAM FIR	14	17-20 M
PICEA GLAUCA	WHITE SPRUCE	16	20-25 M
PICEA MARIANA	BLACK SPRUCE	15	17-20 M
PINUS RESINOSA	RED PINE	14	30-35 M
PINUS STROBUS	WHITE PINE	17	20-25 M
SUBTOTAL:		**76**	
DECIDUOUS TREES			
ACER RUBRUM	RED MAPLE	11	12-15 M
QUERCUS MACROCARPA	BURR OAK	7	18-22 M
SUBTOTAL:		**18**	



Draft Landscape Plan – Tree Species



Balsam Fir
Abies balsamea
Qty 14



White Spruce
Picea glauca
Qty 16



Black Spruce
Picea mariana
Qty 15



Red Pine
Pinus resinosa
Qty 14



White Pine
Pinus strobus
Qty 17



Red Maple
Acer rubrum
Qty 11



Burr Oak
Quercus macrocarpa
Qty 7

Draft Landscape Plan – Seed Mixes



LOW GROWING DRY PRAIRIE MEADOW NATIVE SEED MIX - 8125

CONTAINS:

- FOWL BLUEGRASS (POA PALUSTRIS),
- CANADA WILDRYE (ELYMUS CANADENSIS),
- LITTLE BLUE STEM (SCHIZACHYRIUM SCOPARIUM),
- SAND DROPSEED (SPOROBOLUS CRYPTANDRUS).



STORMWATER POND NATIVE SEEDMIXTURE MIX – 8190

CONTAINS:

- CANADA WILD RYE (ELYMUS CANADENSIS)
- BLACKEYED SUSAN (RUDBECKIA HIRTA)
- FOWL BLUEGRASS (POAPALUSTRIS)
- FOX SEDGE (CAREX VULPINOIDEA)
- INDIANGRASS (SORGHASTRUM NUTANS)
- NEW ENGLANDASTER (ASTER NOVAE-ANGLAIE)
- VIRGINIA WILD RYE (ELYMUSVIRGINICUS).



ROADSIDE SEED MIX – 8145

CONTAINS:

- 2% BLACK EYEDSUSAN (RUDBECKIA HIRTA),
- 2% BLUE VERVAIN (VERBENAHASTATA),
- 1% BONESET (EUPATORIUM PERFOLIATUM),
- 24%CANADA WILD RYE (ELYMUS CANADENSIS),
- 1% DENSE BLAZINGSTAR (LIATRIS SPICATA),
- 2% FOXGLOVE/BEARDTONGUE (PENSTEMON DIGITALIS),
- 20% INDIANGRASS (SORGHASTRUMNUTANS),
- 20% LITTLE BLUESTEM (SCHIZACHYRIUMSCORPARIUM),
- 2% NEW ENGLAND ASTER (ASTERNOVAE-ANGLIAE),
- 3% SHOWY TICK TREFOIL (DESMODIUMCANADENSE),
- 22% VIRGINIA WILD RYE (ELYMUS VIRGINICUS).
- 1% WILD BERGAMOT (MONARDA FISTULOSA)

*Seed mixes subject to availability

Draft Landscape Plan – Seed Mixes



LOW GROWING DRY PRAIRIE
MEADOW NATIVE SEED MIX - 8125

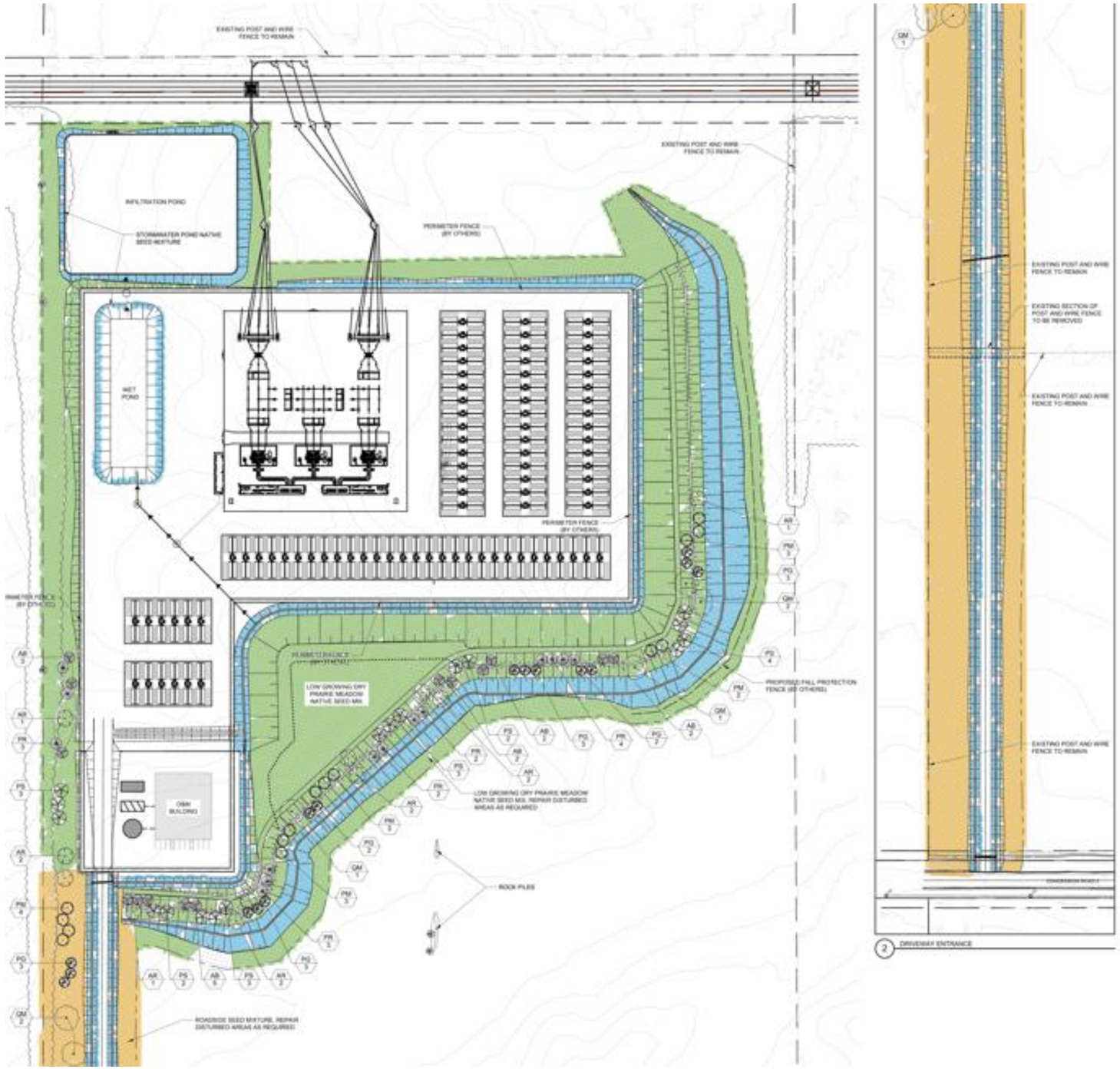


STORMWATER POND
NATIVE SEEDMIXTURE
MIX – 8190



ROADSIDE SEED MIX – 8145

*Seed mixes subject to availability



CONCESSION RD 2

Draft Lighting Plan

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Draft Lighting Plan – Overview

Design Principles

HEALTH & SAFETY FIRST

Provide appropriate illumination for employee safety, circulation, maintenance and access to equipment.

MINIMIZE LIGHT SPILL

Select full-cutoff LED fixtures that direct light downward, with no upward light, and optimize locations to limit effects in surrounding areas.

EFFICIENT, MAINTAINABLE DESIGN

Use industrial-grade LED fixtures suitable for outdoor conditions; optimize the lighting design with DIALux software.

ON-SITE LIGHTING TARGETS

11 lux

Roadways

22 lux

Battery and substation areas

Targets for on-site working areas, not measured levels at nearby properties.

LIGHT (lx)	Effect
0-0.3	Blinding
0.4-2	Dark
3-10	Dusky
11-50	Gloomy
51-100	Dim
101-200	Satisfactory
201-400	Good
401-600	Bright
600+	Glaring

STANDARDS OESC (2021) | IEEE C2 (2023) | IESNA Handbook (10th ed.) | Ontario Building Code | OHSA

Draft Lighting Plan – Proposed LED Fixtures

RENO ARIES SERIES



104 × 40 W + 14 × 100 W

Warm-white LED (3000 K)

Pole-mounted: 8 m | Wall-mounted: 6–8 m

LITHONIA D-SERIES



92 fixtures

Warm-white LED (3000 K)

Pole-mounted: 3.6 m

Thank you!

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