Grid-Scale Battery Project

January 2025

The Benefits of Grid-Scale Batteries

Batteries and other energy storage technologies are essential in our move toward more renewable energy.

Battery storage will play an important role in the phase out of coal and adding more renewable energy, like wind and solar, to the electricity grid. It will also help maintain reliable service to our customers throughout this transition.

Fast Response

- Batteries offer quick response to unplanned outages or grid disturbances.

Peak Demand

- Safe, reliable, and clean energy during peak demand.

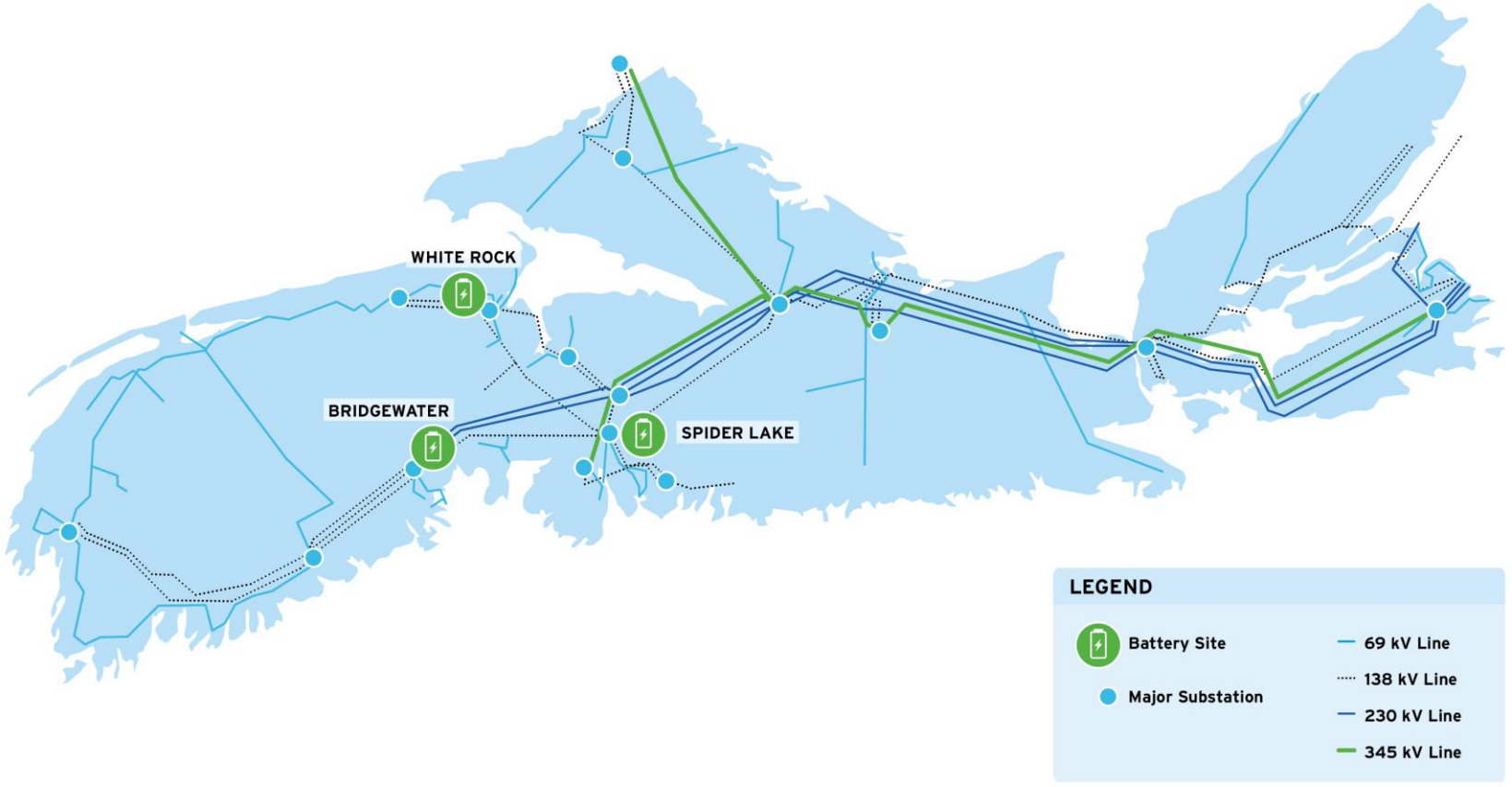
Enables Renewables

- Allows for more renewables to be added to the grid.

Aligned with Clean Power Plan

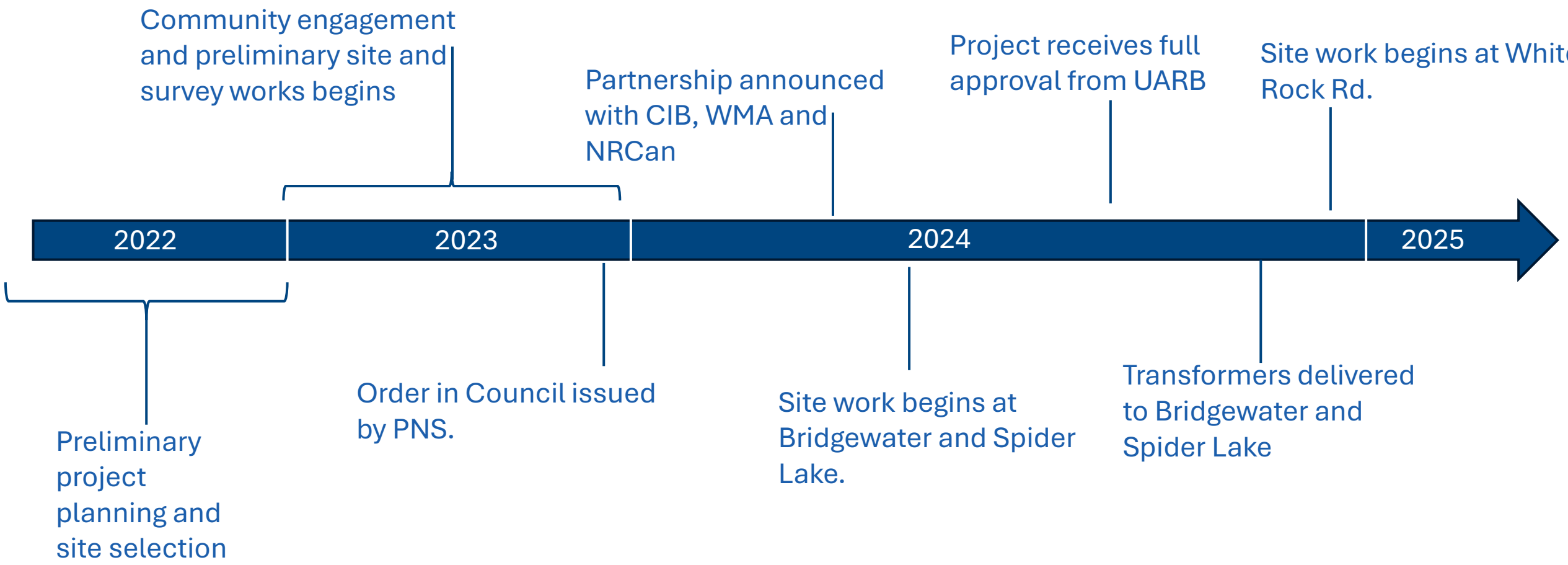
- The Grid-Scale Battery Project is aligned with the Province's Clean Power Plan, the Evergreen IRP and our Path to 2030 plan.

Project Summary



- 50 MW, 4-hour sites
- Adjacent to 138 kV transmission lines for distribution
- Near existing substation to convert distributed electricity to different voltages
- Locations allow for distribution across the province

Project developments to-date



Partnerships

WMA WSKIJNU'K MTMO'TAQNUOW AGENCY LTD.

Together, the Wskijnu'k Mtmo'taqnuow Agency and Nova Scotia Power have shaped an investment arrangement that enables Mi'kmaw communities to participate as equity partners in relation to the grid-scale battery project, benefitting all 13 Mi'kmaw communities in Nova Scotia.

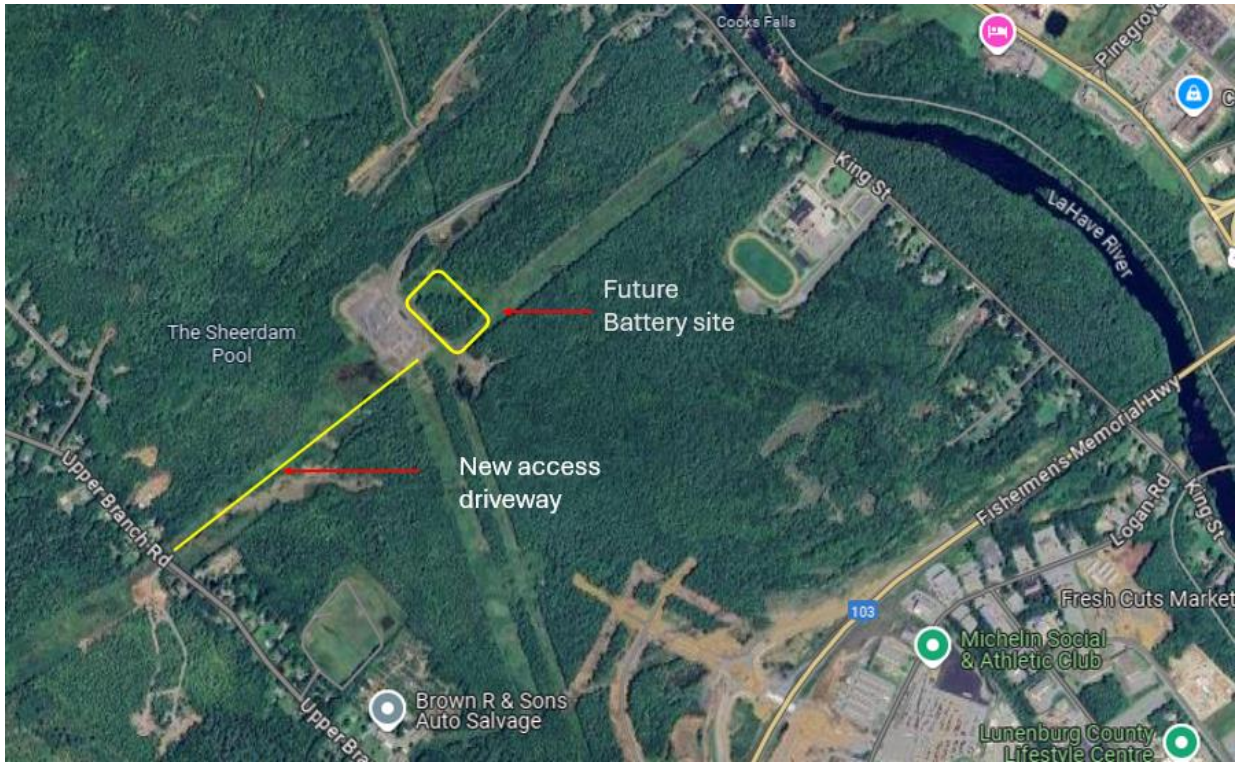
CIB BIC

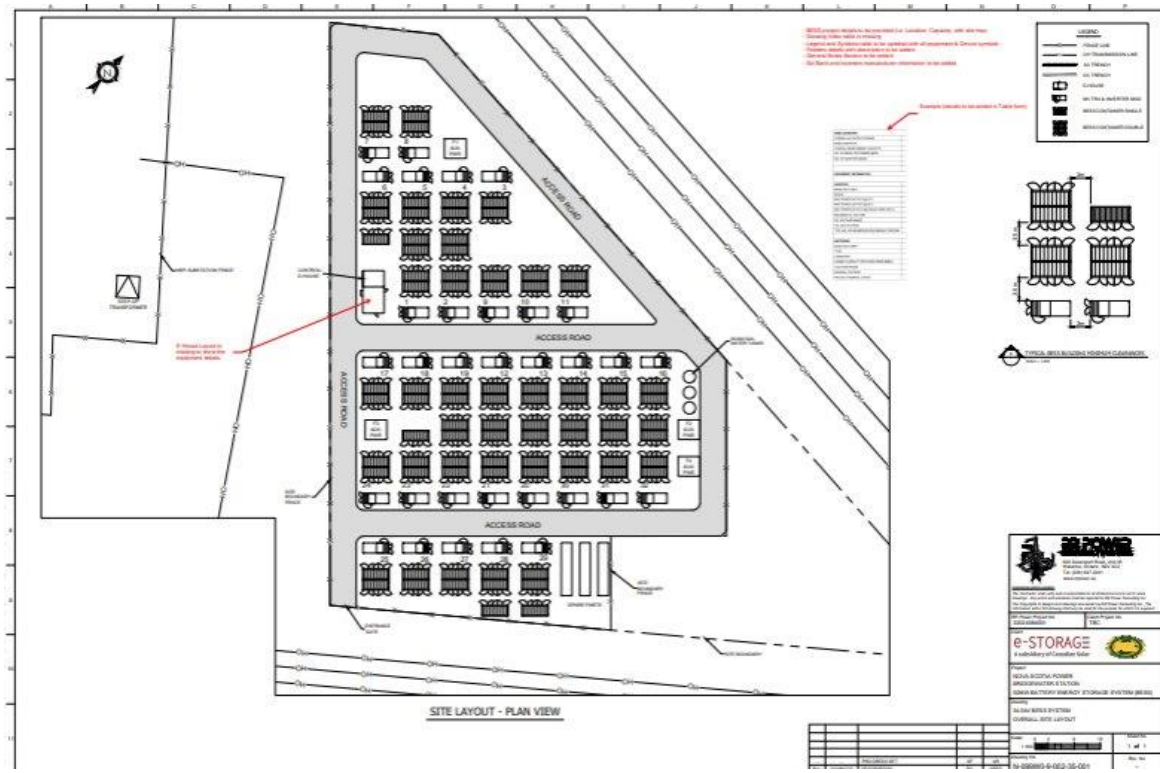
The Grid-Scale Battery project is the first clean energy project part of the Canada Infrastructure Bank's Indigenous Equity Initiative. Through secured low-cost financing, this collaboration is helping to mitigate costs for customers.

Canada

Through Natural Resources Canada's Smart Renewable Energy and Electrification Pathways Program (SREP) and the Electricity Predevelopment Program (EPP), approximately $117 million has been secured for the project, representing roughly one third of the total project cost.

Bridgewater





Bridgewater Rendering

Bridgewater – Work on site

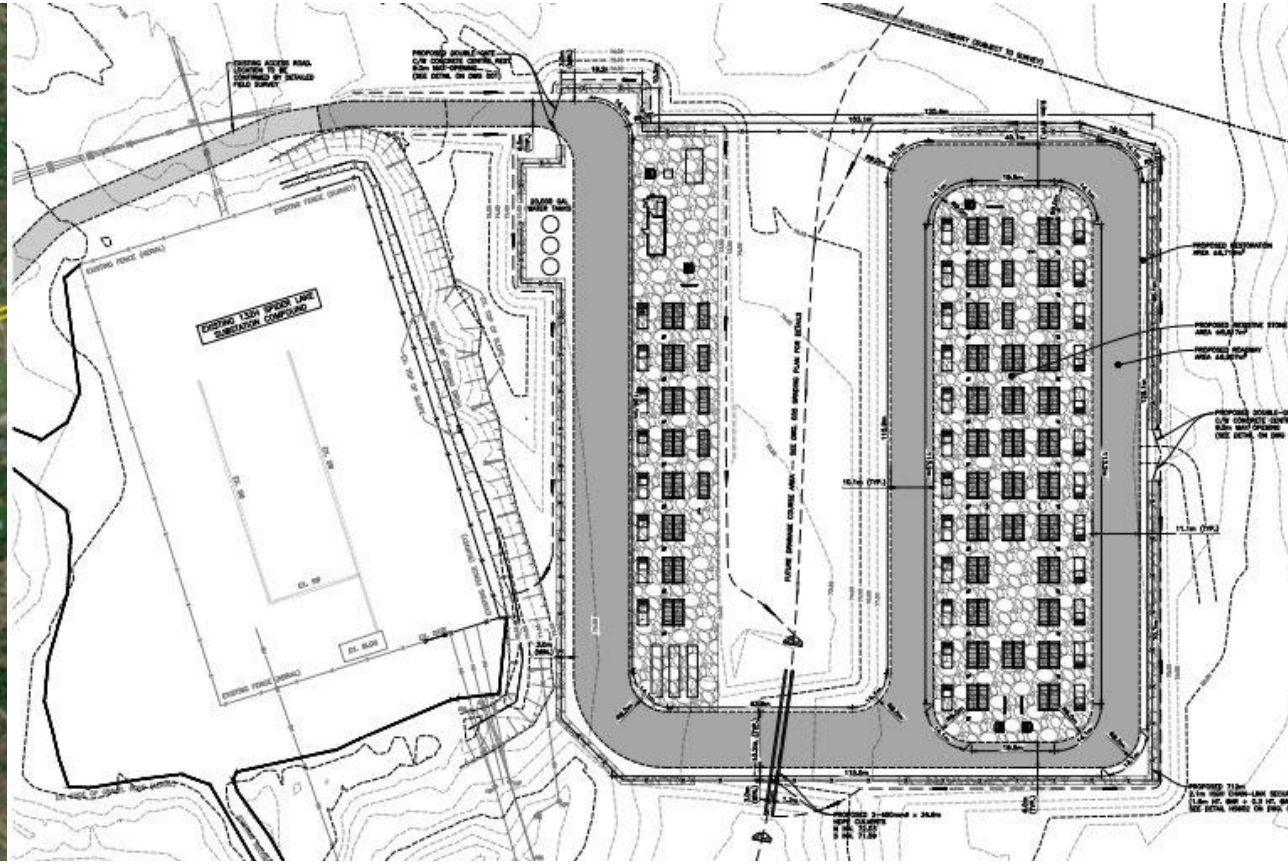
Vegetation clearing - March 2024

New access driveway to site – Summer 2024

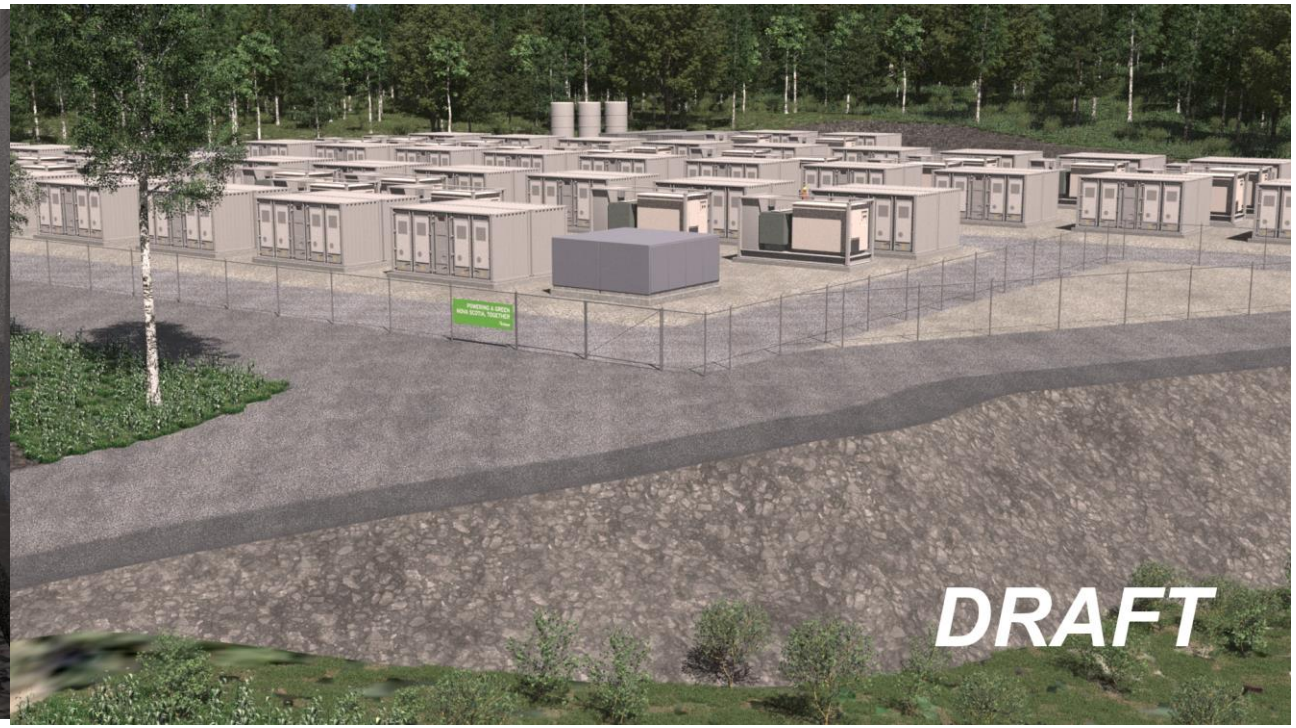
Early civil work – November 2024

Spider Lake


L-6001
Approx.
location of
battery site
132H
L-6041
L-6040
Waverley Road
Spider Lake Road
L-6056
Forest Hills Ext.

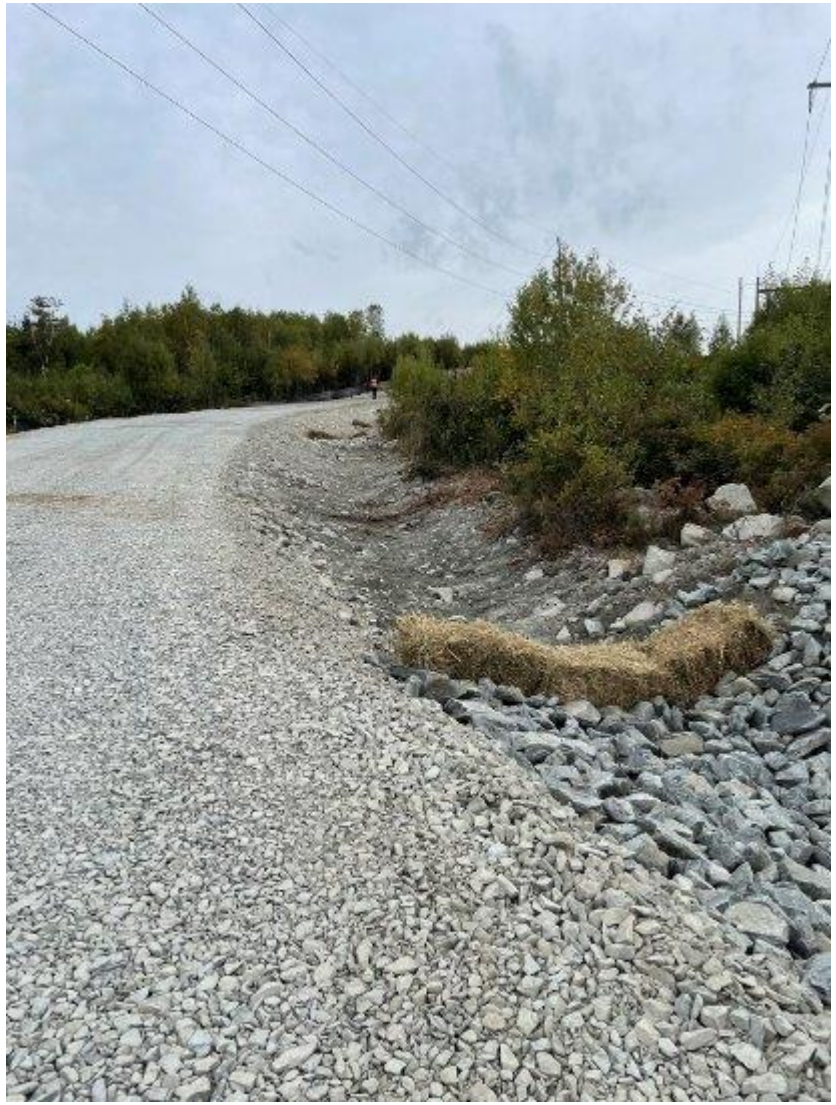


Spider Lake Rendering



Spider Lake – Work on site

Vegetation clearing – March 2024



Substation driveway extension – Fall 2024

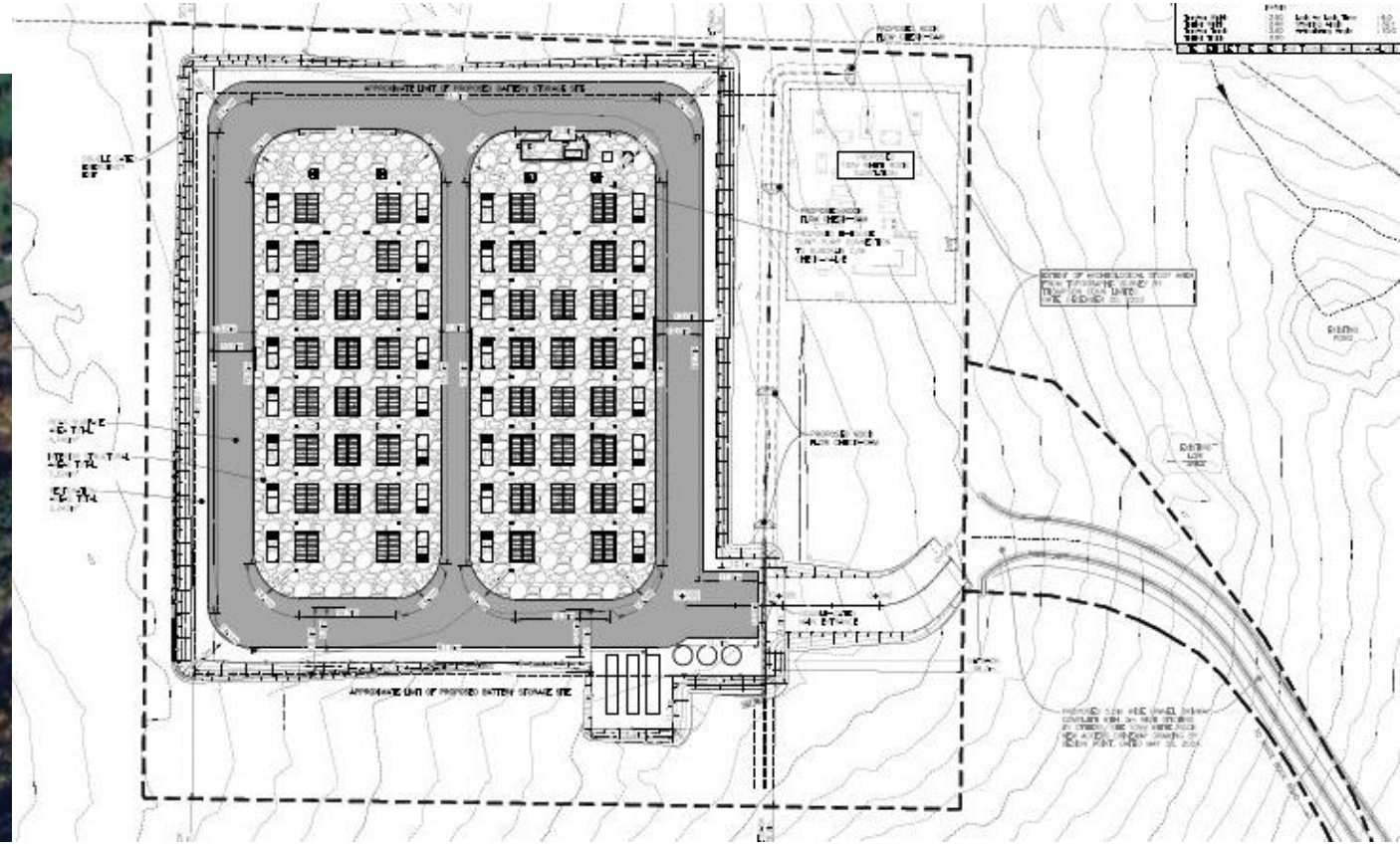
Transformer Delivery – Bridgewater and Spider Lake

Bridgewater substation transformer delivery – September 2024

Spider Lake transformer delivery – November 2024

White Rock


Approx. location of future battery facility.
Approx. new driveway location and work area.
White Rock Rd
White Rock Rd
White Rock Rd
Nova Scotia Power substation located at 1107 White Rock Road

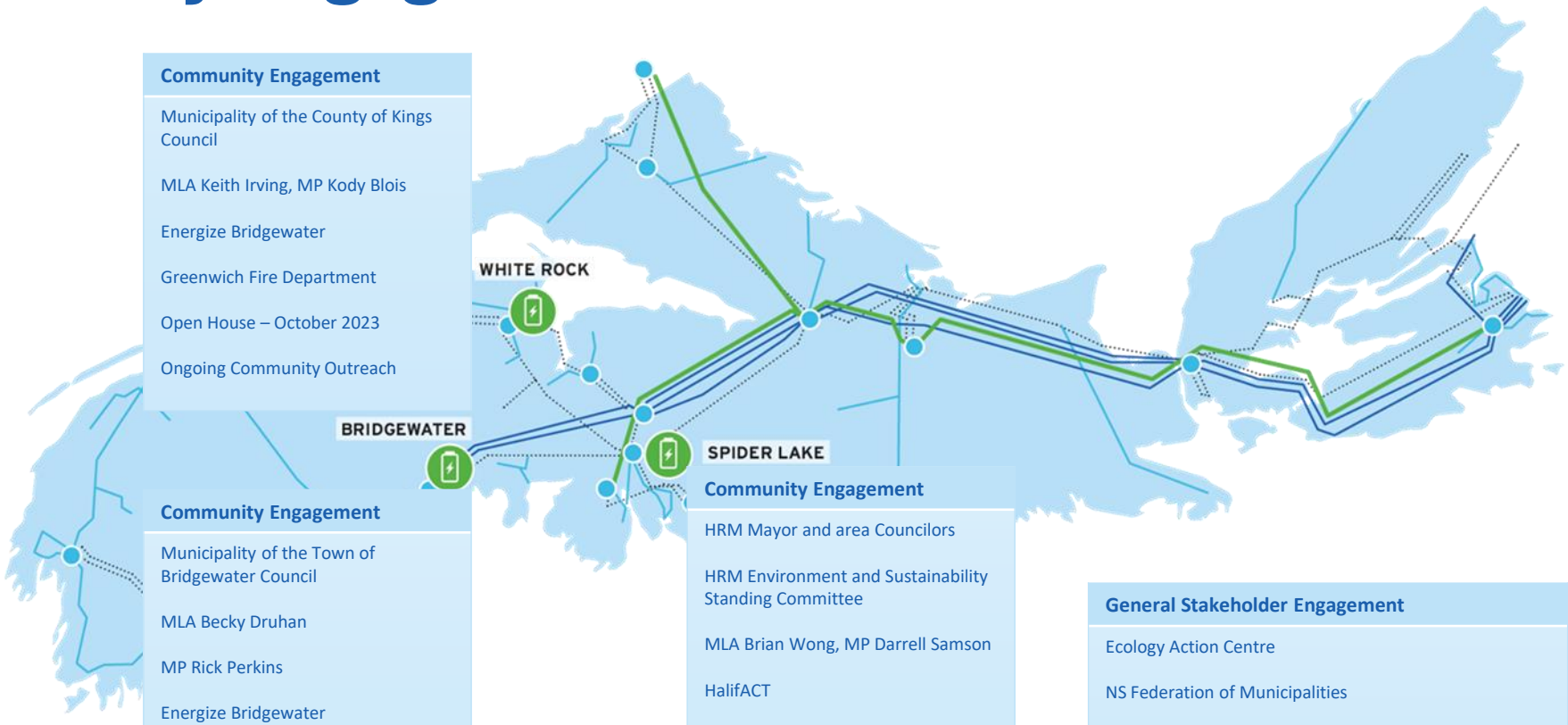


White Rock – Work on site

Archeological shovel testing – 2023-2024

New access driveway to site – November 2024

Community Engagement



Community Engagement

- Municipality of the County of Kings Council
- MLA Keith Irving, MP Kody Blois
- Energize Bridgewater
- Greenwich Fire Department
- Open House – October 2023
- Ongoing Community Outreach

Community Engagement

- Municipality of the Town of Bridgewater Council
- MLA Becky Druhan
- MP Rick Perkins
- Energize Bridgewater
- Bridgewater Fire Department
- Open House – October 20232, November 2024
- Ongoing Community Outreach

Community Engagement

- HRM Mayor and area Councilors
- HRM Environment and Sustainability Standing Committee
- MLA Brian Wong, MP Darrell Samson
- HalifACT
- Halifax Fire and Emergency
- Halifax Water
- Open House – October 2023, November 2024
- Ongoing Community Outreach

General Stakeholder Engagement

- Ecology Action Centre
- NS Federation of Municipalities
- MP Andy Fillmore
- Fire Service Association of Nova Scotia
- Ongoing engagement with KMKNO, WMA and CIB

Work in 2025

Bridgewater

COD November 2025

Construction resumes on site March 2025

- Site leveling, gravel pad, ditching
- Battery container install – Spring 2025
- System testing
- Fencing

Spider Lake

COD November 2025

Construction resumes on site March 2025

- Site leveling, gravel pad, ditching
- Battery container install – Spring 2025
- System testing
- Fencing

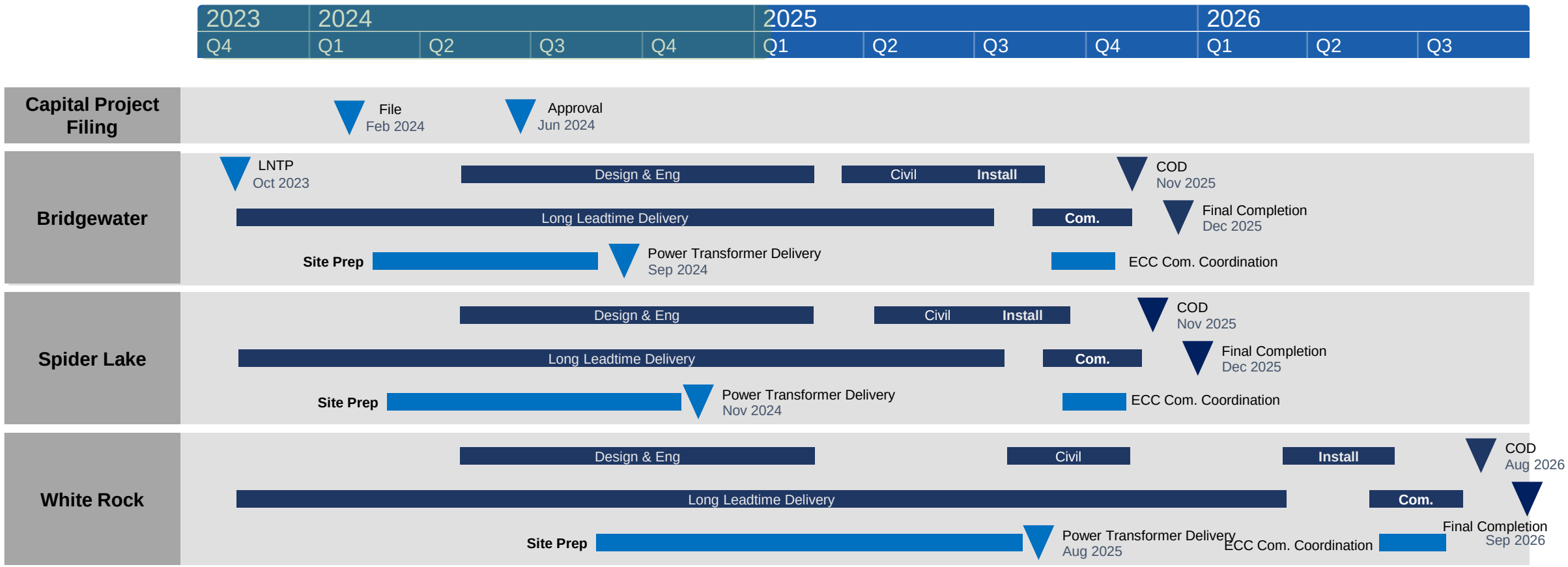
White Rock

COD August 2026

Construction resumes on site Spring 2025

- Civil work including leveling, ditching, etc.

Summary Schedule



Questions?

Reach out anytime:

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