GETCHARGED SOUTH MARCH

Algonquins of Pikwakanagan First Nation

In partnership with

Brookfield Renewable

South March Battery Energy Storage Facility

Town Hall

November 25, 2025

Who is Brookfield?

Brookfield
Renewable

Canada's largest renewable energy developer with hundreds of employees in the National Capital Region

Nearly 50,000 MW of operating renewable energy facilities globally

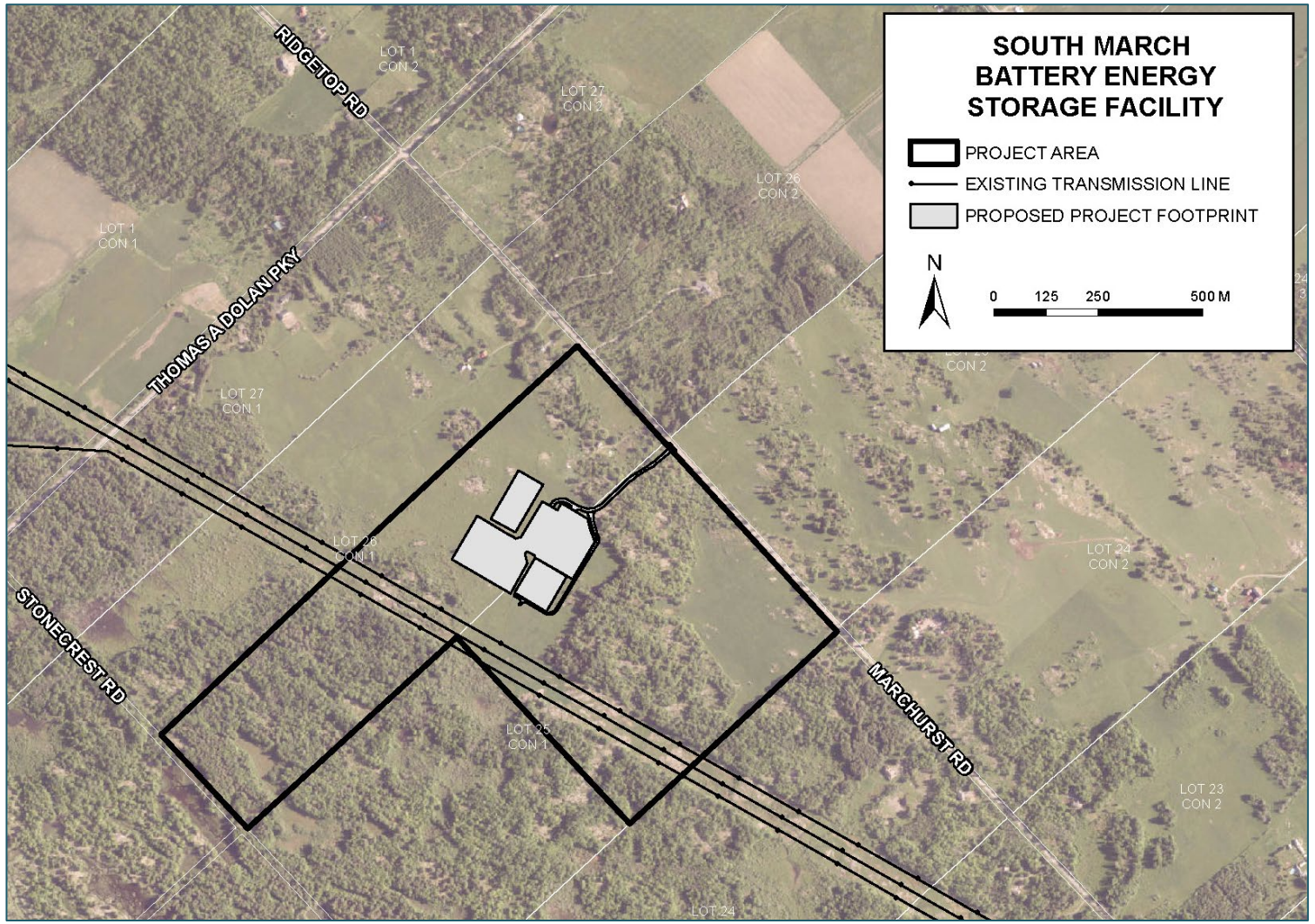
More than 50 years of experience in Canada; publicly traded since 1999

North American BESS

Brookfield currently has 41 GWh of battery storage in operation, under construction, or in development in North America, and nearly 80 GWh worldwide.

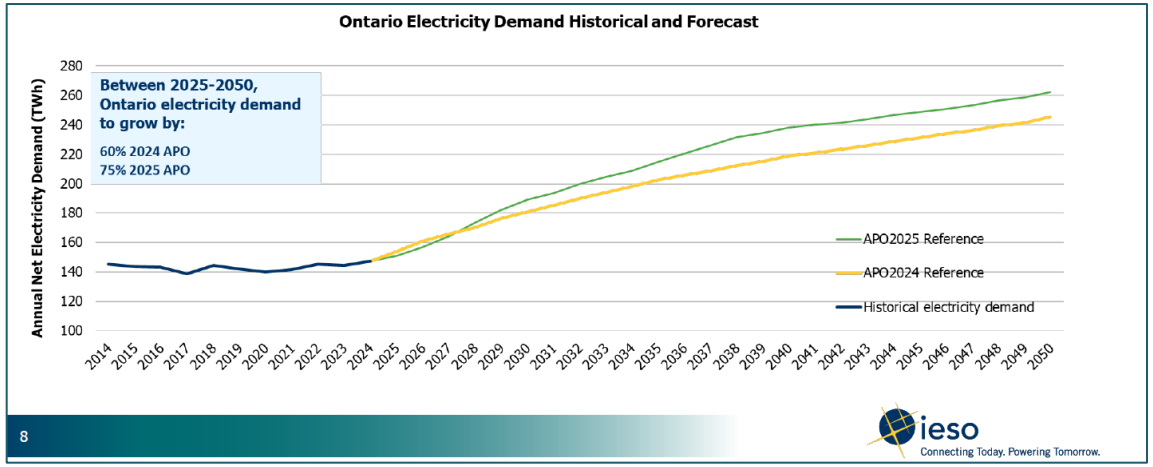
South March Overview

- Developing the project in partnership with the Algonquins of Pikwàkanagàn
- Nameplate Capacity of 250 MW for 4 hours capacity
- Connecting to an existing 230 kilovolt transmission line
- The site was selected based on:
  - Topography
  - Surrounding land use and distance from residential areas
  - Avoidance of sensitive environmental features and
  - Proximity to existing utility infrastructure



Project Need

- Electricity demand in Ontario projected to rise by 75% over 25 years
- City of Ottawa demand to grow 170%
- Surplus overnight power is sold to the U.S. at low prices due to limited storage capacity
- Battery Energy Storage Systems (BESS):
  - Help reduce grid costs and improve efficiency
  - Store excess electricity for local use when needed most
  - Selected by IESO as 60% more cost-effective than other options



Source: https://ieso.ca/-/media/Files/IESO/Document-Library/engage/apo/APO-20241016-presentation-demand-forecast.pdf

How Battery Energy Storage Works

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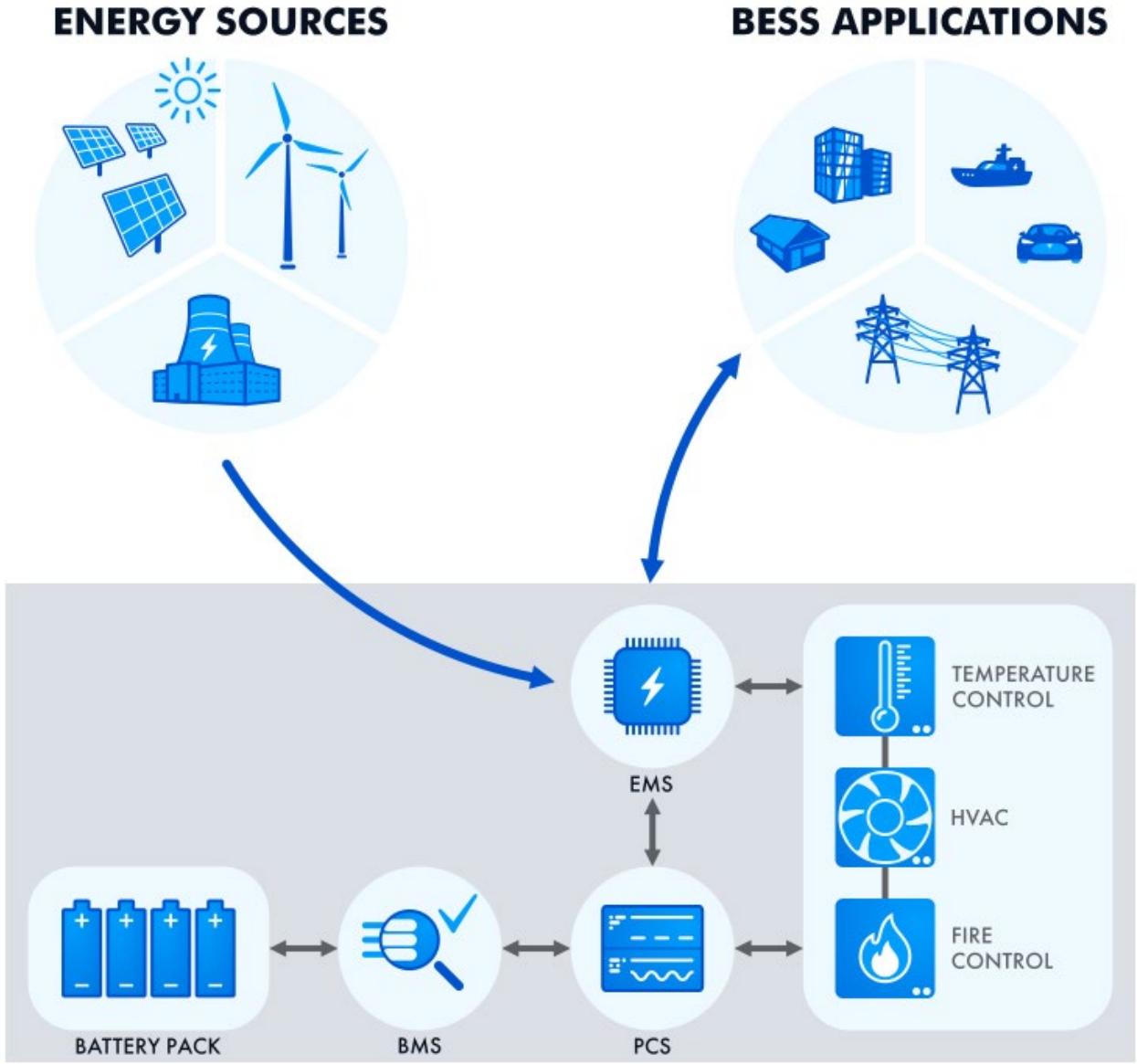

Commitment to Community Safety

Brookfield Renewable

Tested and Qualified for Safety

Retained a verified third-party Fire Safety Expert

Designing facility and selecting BESS equipment to meet codes: National Fire Code of Canada, NFPA 68/69, NFPA 855, UL 9540.

Testing battery systems under UL 9540A to confirm fire containment and safety compliance

Monitoring

Thermal management systems (fans, ventilation, cooling) to maintain safe temperatures

Safety sensors in equipment to detect potential abnormal battery behavior

24/7 monitoring via control room systems for operational safety

Emergency Response

Developing a robust emergency response plan with fire safety experts and local fire departments

Delivering comprehensive safety training to empower first responders and onsite teams

Project Development Process

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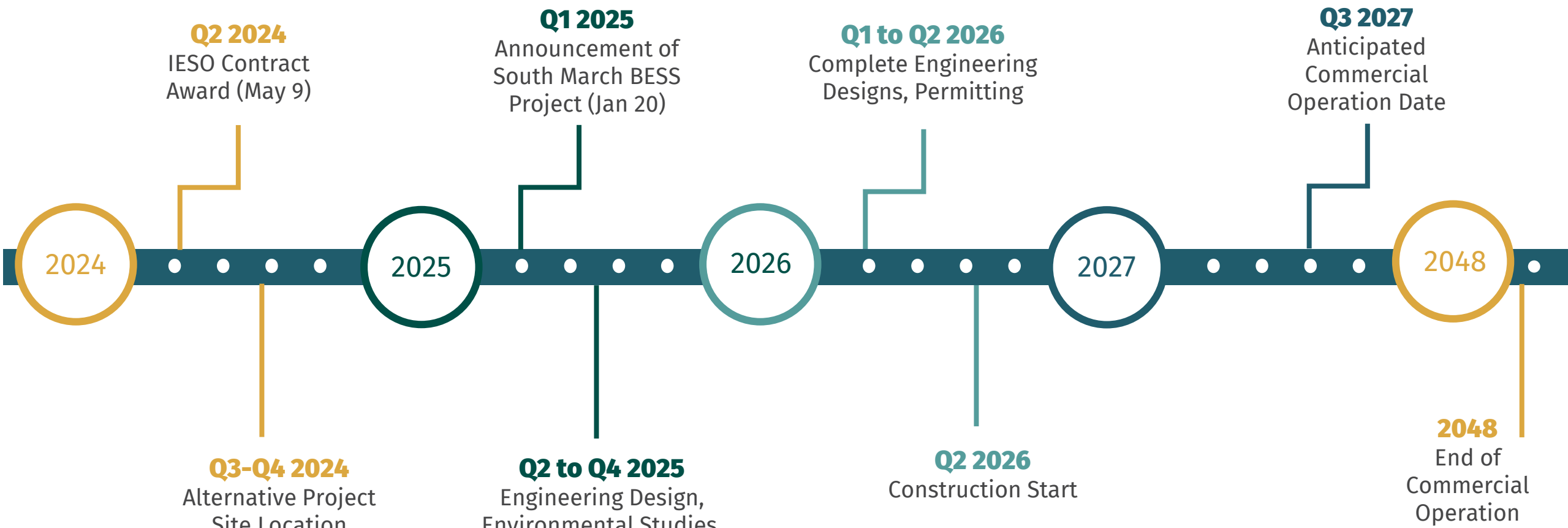

Facility Design Overview

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Protecting Water Resources

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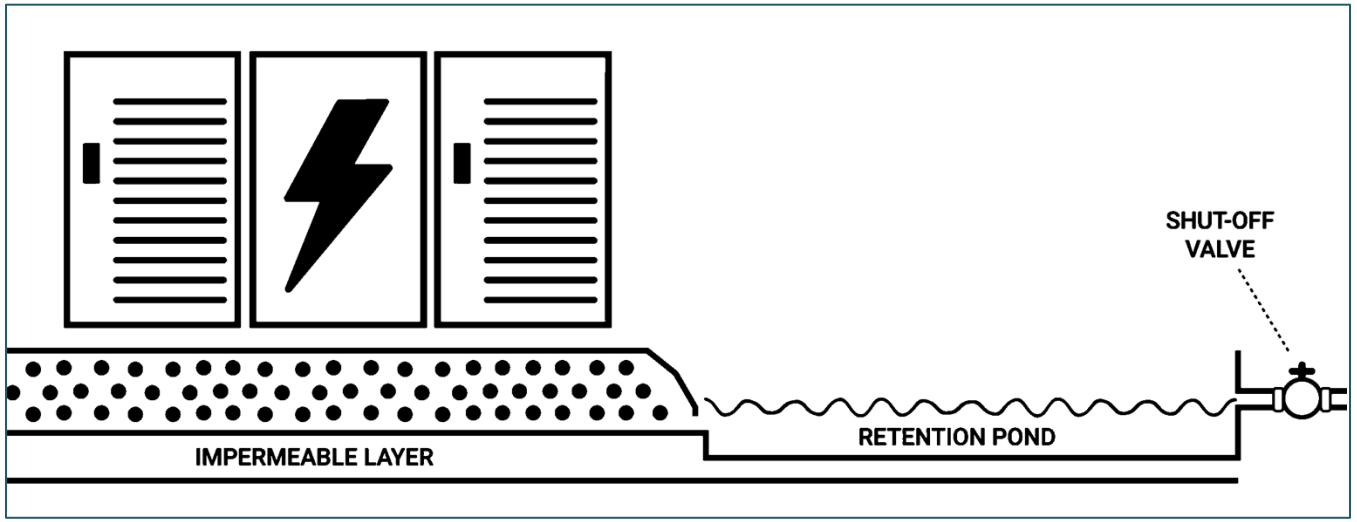
- Installing an impermeable barrier underneath the batteries to protect groundwater



- Shut-off valve to isolate water in the event of an emergency

- Self-contained stormwater system meeting or exceeding municipal and provincial standards

- Drainage designed for 100-year severe weather events

Mitigating Sound and Visual Disturbance

Brookfield Renewable

- Installation of noise walls/berms which will maintain noise levels below 40 dB (equivalent of the ambient sound level in a library)
- Noise assessment confirms compliance to noise limits at all modeled locations during regular operations

- Vegetation screening with deciduous and coniferous tress on northwestern side of facility
- Facility not visible from the road (northeastern side of facility)

Commitment to the Community

- Project and information updates through the project webpage and newsletters
- Transparent communication throughout the project lifecycle
- Ongoing opportunities for community feedback
- Community Development Fund
  - $250,000 annually for the life of the project
  - Supports local initiatives and programs

Next Steps

- Please complete a comment form or raise any comments or questions to the project team

- You can also get more information and project updates at our project website: https://www.getchargedottawa.ca/

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THANK YOU!

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