POTENTIA RENEWABLES

Building the Future of Energy Today

ABOUT POTENTIA RENEWABLES

Potentia Renewables (PRI) is a 100% Canadian owned, developer, owner & operator of renewable energy and storage assets

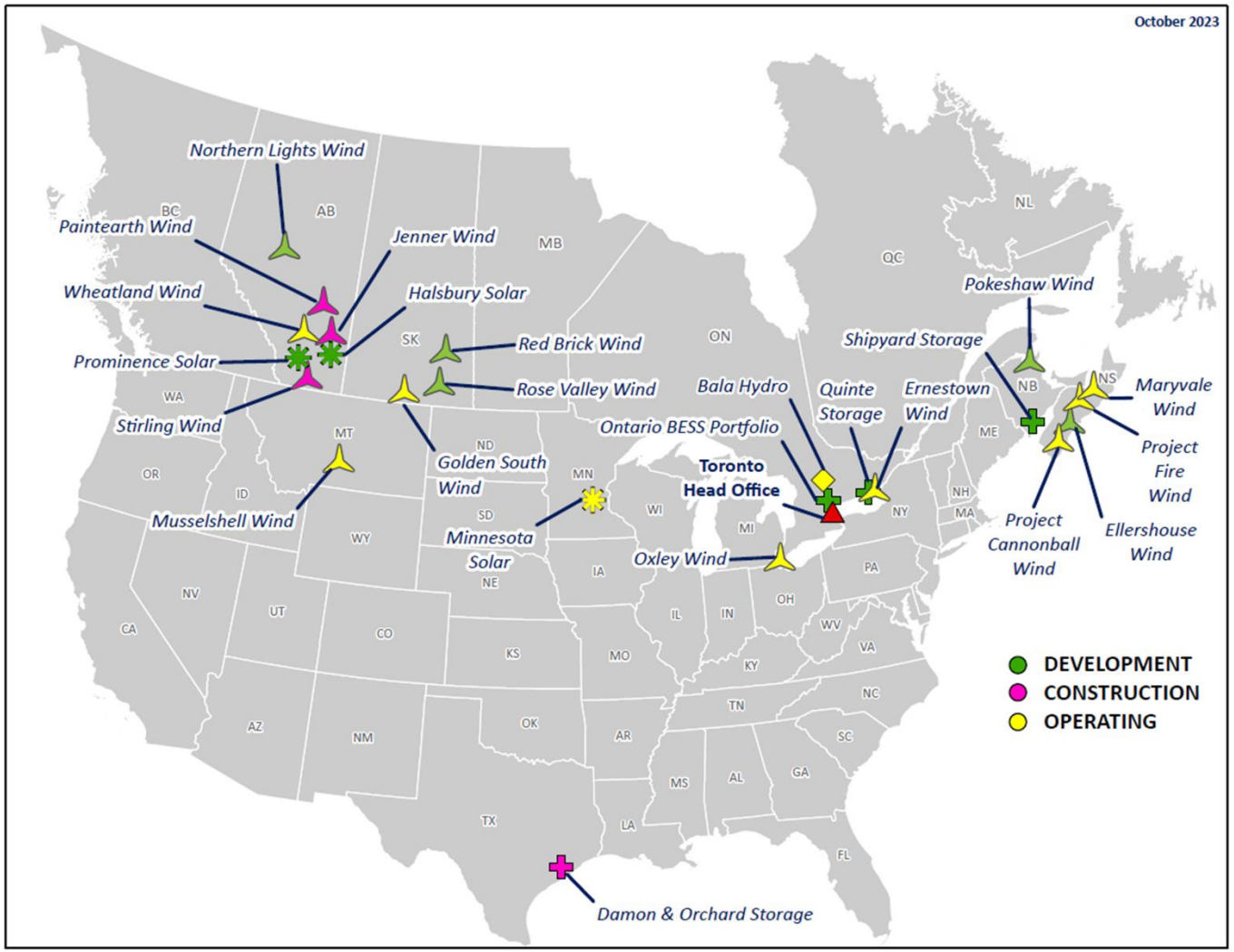
DEEP LOCAL EXPERIENCE

WELL CAPITALIZED OWNERSHIP

GROWING PORTFOLIO

RAPIDLY GROWING PORTFOLIO

PRI's existing operating portfolio of 817 MW will grow to 1.2 GW by the end of 2023



1) *Potentia Renewables Existing Portfolio Map*

WHY IN ONTARIO?

The Independent Electricity System Operator (IESO) – the entity responsible for operating the electricity market in Ontario - is forecasting a capacity need of approximately 4,000 MW by the mid-2020s

Ontario's Needs

- To meet the forecasted capacity need, the IESO is procuring additional capacity resources through the LT1 RFP.
- Through the LT1 RFP, the IESO is seeking to competitively procure 2,518MW of year-round capacity services
  - ~1,600MWs of Storage
  - ~918MW of non-storage capacity (natural gas)

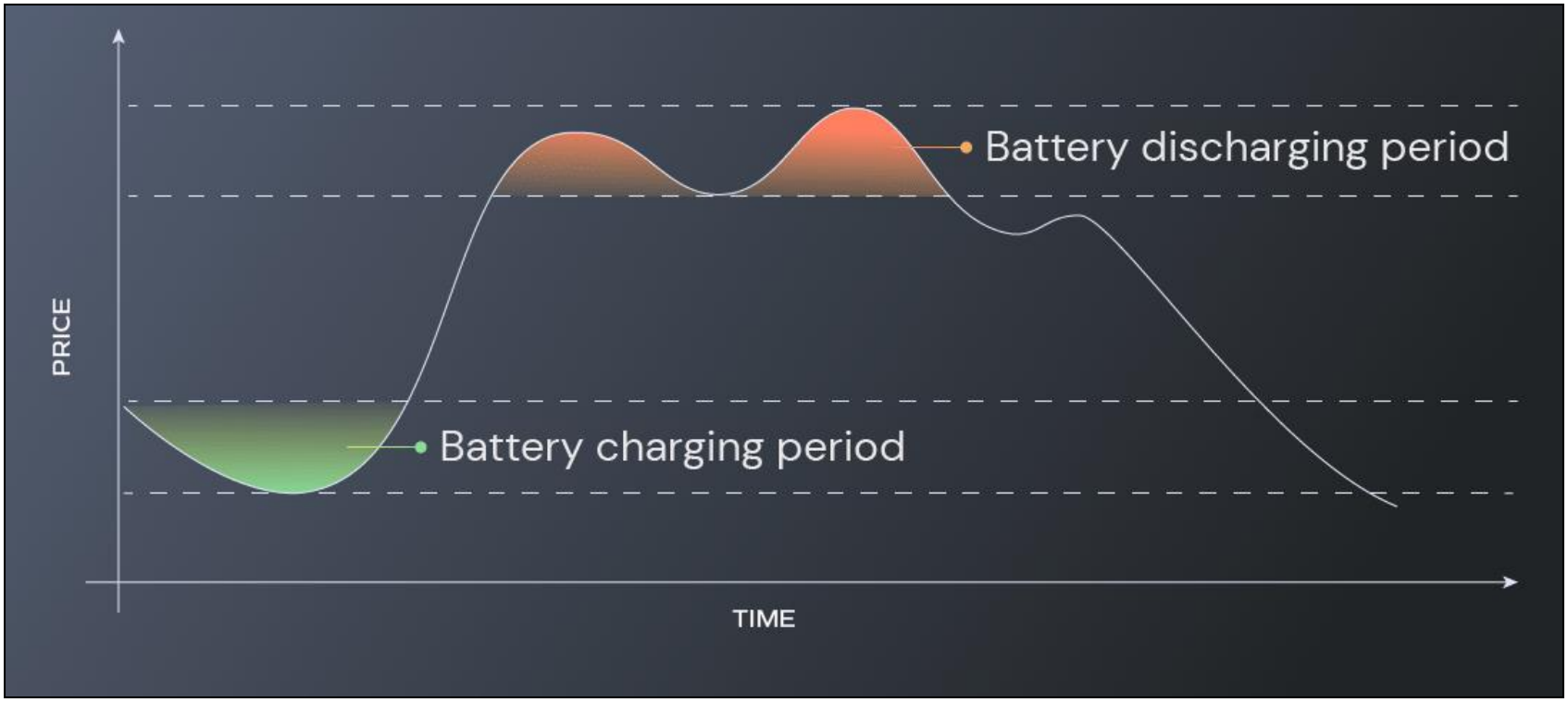
Schedule

- Dec 2023: Bid Submission
- May 2024: Notice of award
- Summer 2025: Start of Construction
- Late 2026 / Early 2027 :
  Commercial Operations Date

3. Figure is an example of BESS technology. This image is not representative of the BESS technology to be installed for the Project.

WHAT IS ENERGY STORAGE?

Energy storage works by storing energy when it is most plentiful and supplying it during periods of peak demand. This helps to maximize the use of our existing electrical grid and reduces the need for additional transmission infrastructure.



2. *Figure sourced from: https://www.exro.com/industry-insights/peak-shaving*

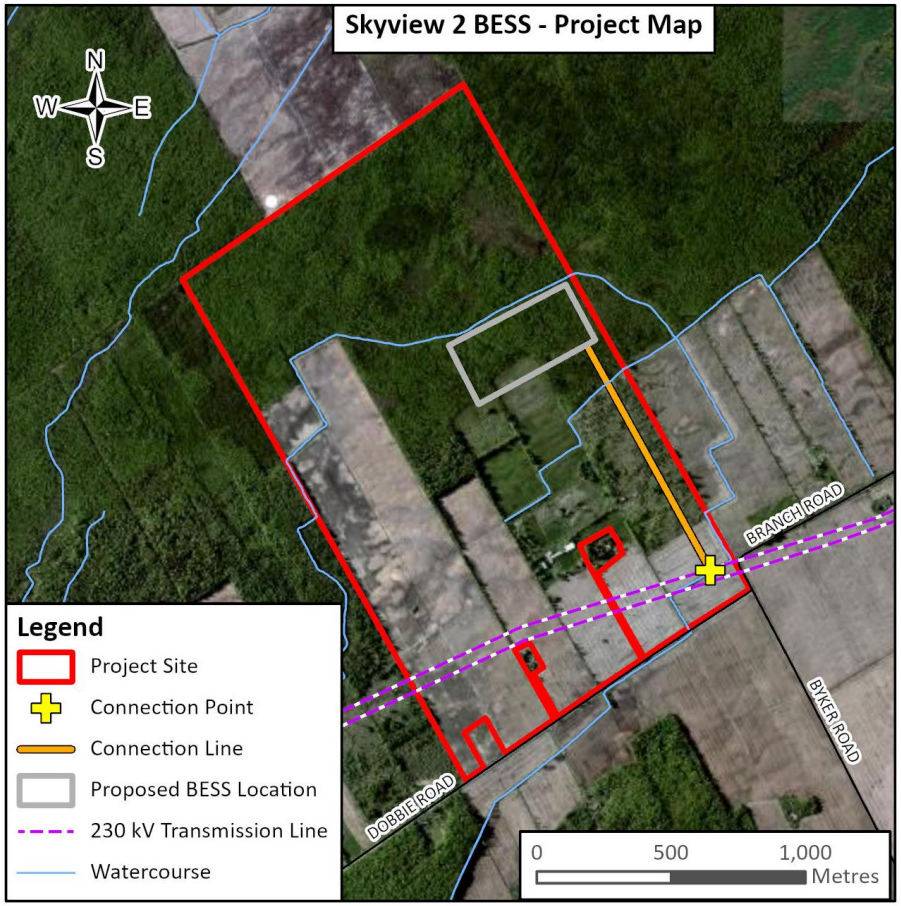
- **Main BESS Components:** Batteries (DC Blocks), Power Conversion System, Energy Management System, Substation
- **BESS Technology:** Lithium-ion. Lithium-ion batteries used in cell phones and cordless tools are a mature technology and being transferred into grid-scale applications due to their cost competitiveness, density, and financeability.
- There are **8,800 MW+** utility-scale battery storage projects operating in the USA.

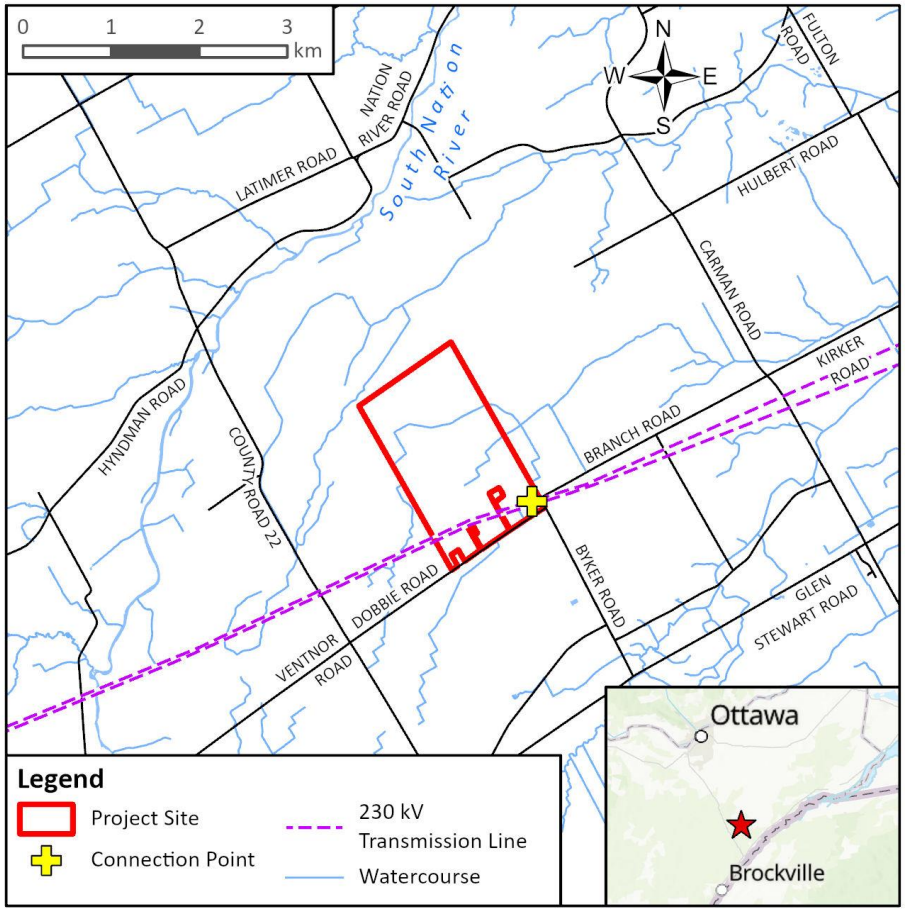
WHY EDWARDSBURGH-CARDINAL? WHY HERE?

- IESO identified growing electrical capacity needs in Eastern Ontario.
- Strategically located on Rural lands (not on prime agriculture) setback approx. 1.1 km north of Dobbie Rd.
- Proximity to existing power line infrastructure with the capability of interconnecting the Project.
- Minimal impact on the local environment.
- Relatively flat terrain for construction and suitable site access.
- A willing landowner

PROJECT OVERVIEW & MAP

- **Project Name:** Skyview 2 Battery Energy Storage Project (Skyview 2 BESS)
- **Nameplate Capacity:** Up to 450 Megawatt (MW) for four hours (1,800 MWh)
- **Location**: Township of Edwardsburgh-Cardinal, occupying approximately 30 acres of land north of Dobbie Road.
- **Interconnection**: Connecting to existing 230kV lines on the Project Site





COMMUNITY OPEN HOUSE – WHAT WE HEARD

- Approx. 20 people attended our open house held on Tuesday, November 7th, at the Ingredion Centre in Cardinal
- Here what are some of the points of interest we heard from the community:
  - Interest in how recycling works
  - Operational life of the system
  - Support for location on lower class soils
  - General support for large setbacks to nearby residences
  - Support for noise walls for visual buffer
  - Lighting interests
  - Questions and Concerns raised about fire

FIRE RISKS

FIRE RISK & MITIGATION

What is the fire risk?

- Lithium-ion energy storage systems are safe and present a low fire risk. The Project will comply with performance criteria set out in UL 9540A demonstrating that in event of a fire it will be container with the BESS enclosure. The risk of fires occurring with Lithium Iron Phosphate (LFP) technology proposed is significantly less than previous versions of lithium-ion technology such as Nichol Manganese Cobalt (NMC) batteries.

Mitigation and Standards

- The Project will follow local and internationally recognized safety standards established to ensure storage systems are designed, constructed and operated safely.
  - **UL 9540:**
    Evaluates the compatibility and safety of the various components when integrated into a system to ensure safety is maintained across the system when various components are used together.
  - **UL 9540A Test Method:**
    Assesses the fire safety hazards associated within battery system. The test method requires testing on the battery cells, modules, unit level and installation level testing until performance requirements for fire safety are met.
- The system will have cell and module level sensors, be separated from flammable materials, placed on gravel, and will be remote monitored 24/7. The project team will work closely with local fire authorities and 3rd party fire experts to develop an emergency response plan.

COMMUNITY BENEFITS

As long-term owners and operators we pride ourself on cultivating strong relationships with the communities we work within. We understand proactive consultation and engagement are integral components of a successful project.

Long-Term Tax Revenue

- Over the course of its life span, the Project will be a source of significant and reliable contributions to the Municipality's tax base while requiring minimal municipal services. The Municipality can use the increased tax revenue to fund roads, schools, and improved municipal services.

Local Employment

- Jobs created during construction will include those related to land surveying, road construction, concrete and aggregates supply, equipment installation, substation construction, electrical testing and technical commissioning to name a few.

Boosting the Economy

- Construction site services, materials, and contractors will be sourced locally as much as possible subject to meeting quality, quantity, and workmanship requirements. Workers may also require local accommodation and services while working on the Project. In addition to the direct jobs, the Project will increase electrical capacity enabling further investment in eastern Ontario.

Community Benefit Fund

- The Project will establish a community benefit fund that we will contribute to annually throughout the Project's operational life. The fund would be used to support a variety of local community initiatives in consultation with community representatives.

REQUEST FOR MUNICIPAL SUPPORT

Rated Criteria Points

- RFP Proposals submitted to the IESO's LT1 RFP will be assigned "Rated Criteria Points" that count towards their overall evaluation
- Proposals can receive up to of 10 Rated Criteria Points in the following categories:
  - Proponent Indigenous Participation Level = up to 3 points
  - Local Indigenous Community Participation = up to 3 points
  - Local Governing Body (Municipal) Support Confirmation = 4 points

Municipal Support

- A Municipal Support Confirmation can come in the form of a Blanket Municipal Support or a Municipal Support Resolution.
- Municipal Support Resolution: Is a resolution or other instrument signed by or on behalf of the Local Municipality which indicates that the council of such Local Municipality supports the development, construction and operation of the Long-Term Reliability Project.
- Providing Municipal Support does not supersede any applicable permits or approvals under applicable Laws and Regulations that may be required for a particular Long-Term Reliability Project.
- Support may be solely for purposes of the requirements of this LT1 RFP or the requirements of the LT1 Contract.

We are requesting Municipal Support from the Township of Edwardsburgh-Cardinal for the Skyview 2 Battery Energy Storage Project.

QUESTIONS

CONTACT US

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