

Public Information Session

Greenock Energy Storage 1 LP

November 9, 2023

Agenda

- Introduction to the Alectra Convergent Joint Venture
- Overview of the IESO Procurement
- Battery Energy Storage Systems
- Project Overview
- Project Benefits
- Questions



About the Alectra Convergent JV

The Alectra Convergent Development JV's goal is to help meet Ontario's growing electricity reliability and decarbonization needs



- Alectra Energy Solutions (AES) is a progressive and customer-focused energy company working in many Ontario communities
- As part of the Alectra Inc. family of companies, which includes Alectra Utilities Corporation, we collectively serve more than one million homes and businesses in 17 communities in Ontario's Greater Golden Horseshoe area
- Alectra Utilities is the largest municipally-owned electric utility in Canada, based on the total number of customers served

CONVERGENT

- Founded in 2011, Convergent Energy and Power is a leading developer of energy storage solutions in North America.
- Portfolio includes over 1 GW of storage solutions operating, in construction, or awarded to-date
- Owned by Energy Capital Partners, a leading energy transition private equity fund with \$500M of capital support for Convergent to-date
- Built first energy storage asset in Ontario in 2015; currently operating >45MWs in the Province with customers such as Shell, Ford, Pilkington and the IESO

Overview of the IESO Procurement

Ontario is in the process of acquiring long term capacity to support future growth, and the Alectra Convergent JV firmly believes in the “Power of Partnership” with local communities

The Opportunity



- Ontario needs rapidly deployable capacity to keep pace with projected demand growth throughout the next two decades
- In response, a Long-Term RFP (“LT1”) has been issued by the Independent Electricity System Operator (IESO)
- The LT1 process is now underway with a target of procuring a total of 2200 MW in additional resources to be online by 2028
- Our JV has been pre-qualified to participate in the request for proposals; and was awarded 80MW / 320 MWh of projects in the previous round of the RFP
- The IESO has conducted deliverability assessments on specific proposed project locations put forward by the proponents; capacity for our projects has been affirmed

The JV Approach



- The Alectra Convergent JV firmly believes that partnership with local communities is the best pathway to achieving long-term, sustainable success for LT1 projects
- We will work expeditiously to consult with local communities and Municipal Councils to address concerns and build support for the proposed project

Battery Energy Storage Systems - *Operations*

Battery Energy Storage Systems (BESS) are safe, affordable, long-lasting energy resources that will make Ontario's electricity grid cleaner, more reliable and more resilient



- **Operations Profile:** BESS provides flexible power to support the operation of the electricity grid; overnight, the BESS will charge using surplus power on the grid, and it will store that power for use during the day, when demand for electricity is higher
- **Advantages over traditional generation:** BESS can be deployed more quickly than new transmission lines, gas plants or nuclear generation
- **Emissions Free:** BESS produce no point source air, gas or liquid emissions, and will not produce pollution that could contaminate soil or water
- **Visual & Acoustic Impact Mitigation:** In an effort to minimize the visual impact of the BESS, the site will be screened by vegetation and landscaping. An acoustic study will be conducted to ensure that noise emissions from the BESS comply with all MECP requirements (40 dB at receptors).

Battery Energy Storage Systems - *Technology*

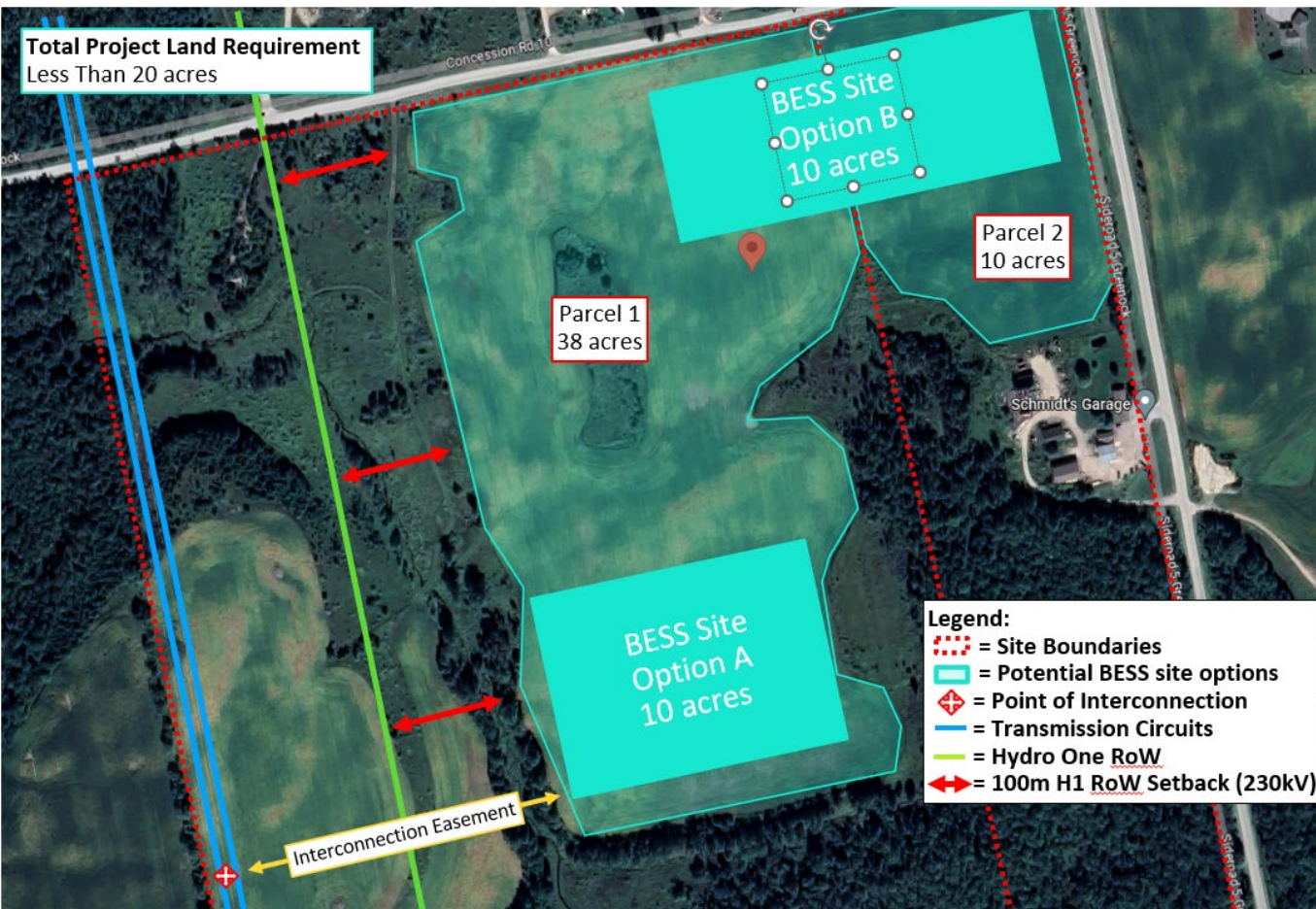
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- **Tier 1 Batteries & Best-in-Class Integrators:** the Alectra Convergent Development JV will exclusively use Tier 1 Lithium-Ion batteries integrated by major manufacturers that provide performance guarantees for the full contract duration.
- **Safety:** BESS will incorporate 24/7 remote monitoring with a multi-layer approach to fire suppression including dry chemicals and/or deluge systems, in accordance with UL and CUL certifications and NFPA855 codes.



Proposed Project Details: Greenock

The Greenock BESS project intends to build 250MW of capacity



Key Information

Address	1091 Sideroad 5 Greenock, ON N0G 1J0
Site Coordinates	44.187954, - 81.288203
Interconnection Coordinates	44.183513, - 81.293323
Maximum Project Size	250 MW / 1000 MWh Circuits B22D & B23D
BESS Parcel Size	15 Acres
Soil Class	Not prime agriculture
Technology	Tier 1 Lithium-Ion BESS

Project Benefits

The Alectra Convergent JV will work to maximize local and province-wide benefits in the following key areas

Strengthening Ontario's grid

- Project will be a key resource in maintaining the safe and reliable operation of Ontario's electricity grid
- Additional capacity will serve increased load growth and electrification

Local and province-wide economic benefits

- BESS can provide needed capacity at a lower cost than traditional generation or transmission infrastructure
- Project construction and operations will leverage local labour and businesses



Protecting the environment and supporting clean energy production

- Technology will have minimal site impact, with no emissions
- BESS will reduce the reliance on natural gas peaking plants, and maximize the use of clean Hydro, Nuclear and Renewable energy
- Each MW of storage will eliminate 40.23 tonnes of CO₂ per year.

Questions?

We look forward to forging a strong partnership with you to help Ontario meet its energy needs, and build meaningful energy projects within our communities

Minutes from this meeting will be uploaded to

www.AlectraConvergentJV.com

for reference by community members who were not able to attend this meeting

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