



Renewable Energy Systems Canada Inc. (RES) is pleased to welcome you to our community drop-in meeting for the Soy Energy Storage project (the Project).

Meet the team, learn more about the proposed Project and get answers to your questions!

Please fill out a feedback form before you leave.



ABOUT RES

To be a leader in the transition to a future where everyone has access to affordable zero carbon energy



RES Group Headquarters - Kings Langley (UK)

OUR VISION

The RES Group was founded in 1982 in London (UK) and is privately owned by the McAlpine family.

Sir Robert McAlpine began a construction business over 150 years ago. The company is still owned by the family today.

Our Canadian business was founded in 2003 and is headquartered in Montreal.





RES EXPERIENCE

RES Group is the world's largest independent renewable energy company. At the forefront of the industry for 40 years, RES has delivered more than 23GW of renewable energy projects across the globe and supports an operational asset portfolio exceeding 9GW worldwide for a large client base.

To date, we have developed or constructed more than 20 energy storage projects representing approximately 500MW of capacity.

RES Group employs more than 2,000 people and is active in 11 countries working across onshore and offshore wind, solar, energy storage and transmission and distribution.









WIND

SOLAR

STORAGE









WHY RES IS PROPOSING THIS PROJECT [C5]

To safely, affordably, and reliably operate the electric system, the IESO occasionally procures electricity supply through competitive procurement processes or Requests for Proposals (RFP). The IESO equally has the responsibility of procuring and enabling more renewable and clean energy.

Utility-scale energy storage systems have been identified as a technology that can help the IESO meet each of these objectives.

According to the IESO 2021 Annual Planning Outlook, the Province's electric system is facing: • Increasing electricity demand due to the electrification of certain sectors, population and industrial growth; Reduced electricity supply stemming from the retirement of nuclear capacity and expiring oil/gas generation

- contracts.

The IESO is therefore contracting approximately 4GW of additional capacity to meet this fast-emerging gap through two RFP processes:

RES seeks to respond to both RFPs with this proposed energy storage project.

The Independent Electricity System Operator (IESO) is charged with operating Ontario's electric grid.

• The ongoing 1.5GW Expedited Long-Term RFP (the E-LT1) for projects to achieve operation in 2025; • A 2.5GW Long-Term RFP (the LT1) for projects to commence operation commencing in 2027.









What is a Battery Energy Storage System (BESS)?

At its core, a BESS works by storing electric energy at times when generation exceeds demand. The stored energy can then be drawn upon by the Ontario Independent Electric System Operator (the "IESO") when needed.

A BESS consists of numerous, interconnected, containerized batteries. The batteries are managed and operated as a single unit with the integration of several other key technologies and electrical components.

A fully fenced facility, the BESS would be interconnected with the Ontario transmission system.

BATTERY ENERGY STORAGE SYSTEMS

HEATING, VENTILATION AND AIR-CONDITIONING SYSTEM BATTERY Battery MODULES Energy storage BATTERY MANAGEMENT SYSTEM Optimizes the management of the battery modules FIRE SUPPRESSION SYSTEM







COMMUNITY BENEFITS



these benefits include:



We believe our projects must present net positives for the local communities in which we work. Some of

Increased local spending on goods and services during the Project's development, construction, and





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REGULATORY APPROVALS

If awarded an IESO contract, various permits and approvals will be needed before the Soy Energy Storage Project can proceed. These are expected to include:

Class Environmental Assessment for Minor Transmission Facilities

Environmental Compliance Approvals



Ministry of the Environment, **Conservation and Parks**

These regulatory processes will include consultation and engagement with Indigenous communities, key stakeholders, and interested members of the public.



Conservation and Parks

Archaeological Clearance





Local & Municipal Approvals





PROPOSED PROJECT LOCATION





PROJECT TIMELINE

res

Oct-Nov 2022

Stakeholder & Indigenous community identification and preparation of CEP, mailing list and notice



October 17

Revised draft E-LT1 released (Public consultation now required)

> November 6 Final E-LT1 RFP released



November 14

Project website goes live

WE ARE HERE!

Public Community meeting

November 10

Mailing of notice

December 16

Meeting summary report posted to project website

2023

Ongoing 2022-2023

Consultation with municipalities and key project stakeholders

Engagement with indigenous communities

December 6

Final E-LT1 RFP Process & Contract Posted

January 24 Deadline for E-LT1 proposals submission



April 1

Update project website with E-LT1 contract award results

E-LT1 RFP engagement process complete

Consultation under Class EA process begins *(if applicable)*

Jan-Mar 2023

IESO reviews proposals

March 31

E-LT1 RFP Target Contract Offer Announcement





FUTURE WORK

To create a Project that makes a net positive contribution to society and the environment and to support regulatory processes, RES will identify local features that may require protection, mitigation and management:



Terrestrial and Aquatic Ecology including Species at Risk



Noise including modelling potential impacts and required mitigation



Agriculture including capability and productivity



Cultural Heritage including archaeological resources, built heritage resources and cultural heritage landscapes







the local landscape



Stormwater Management Planning to control water quality and potential discharge of runoff from the site

Visual and Aesthetic Resources to consider changes to the appearance of

Land Use Planning to align with provincial and municipal land use policies and zoning by-laws

Human Settlements and Recreational Resources to consider how and where the local community lives, works and plays

For additional information, please contact :

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THANK YOU!



