

Ontario Energy Board
P.O. Box 2319
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**Commission de l'énergie
l'Ontario**
C.P. 2319
2300, rue Yonge
27e étage
Toronto ON M4P 1E4
Téléphone: 1-888-632-6273
Télécopieur: (416) 440-7656



Application for an Electricity Storage Licence

For Office Use Only	
Application Number	EB- 2016-0305
Date Received	Oct. 14/16

1. The Applicant

Legal Name of the Applicant : Sault Ste Marie Energy Storage LP

Business Classification:

☐ Sole Proprietor

☒ Partnership

☐ Corporation

☐ Other (describe) _____

Date of formation or incorporation: June 29, 2016

Place of formation or incorporation:

Province/State Ontario

Country Canada

If the applicant is an individual, the applicant must be at least 18 years old. If the applicant is an individual, is he or she at least 18 years old?

☐ Yes

☐ No

☒ Not Applicable - not an individual

Head Office or Business Address of Applicant

3625 Dufferin Street, Suite 403

City	Province/State	Country	Postal/Zip Code
<u>Toronto</u>	<u>Ontario</u>	<u>Canada</u>	<u>M3K 1N4</u>

Phone Number

917.508.0190

Toll Free (if available)

E-mail Address

info@convergentep.com

Website Address

http://www.convergentep.com

2. Application Type

☒ New

☐ Renewal, provide the licence number and expiry date of the current licence.

Licence Number _____ Expiry Date _____

3. Licence Primary Contact

The licensee shall designate a person who will act as primary contact with the OEB on matters related to the licence.

Mr. <input checked="" type="radio"/>	Mrs. <input type="radio"/>	Last Name	First Name	Initial
Miss <input type="radio"/>	Ms. <input type="radio"/>	Streeter	Christopher	M
Other <input type="radio"/>		Title/Position		
		Chief Information Officer		
		Company Name		
		Convergent Energy and Power Inc.		

Licence Primary Contact Address:

174 Hudson St, 6th Floor

City	Province/State	Country	Postal/Zip Code
New York	NY	United States	10013

Phone Number	Toll Free (if available)	E-mail Address
917.508.0193		cstreeter@convergentep.com

4. Application Primary Contact

☒ Indicate if same as above. Proceed to section 5.

The primary contact for the licence application may be a person within the applicant's organization other than the licence primary contact noted above. An applicant may also choose to designate a consultant, lawyer, etc. to be the primary contact for the licence application. The OEB will communicate with this person during the course of the application review process but with the licence primary contact after a licence is issued.

Mr. <input type="radio"/>	Mrs. <input type="radio"/>	Last Name	First Name	Initial
Miss <input type="radio"/>	Ms. <input type="radio"/>			
Other <input type="radio"/>		Title/Position		
		Company Name		

Application Primary Contact Address:			
City	Province/State	Country	Postal/Zip Code
Phone Number	Toll Free (if available)	E-mail Address	

5. Trade Names

The electricity storage licence authorizes the licensee to conduct business using the name under which the licence is held (i.e. the applicant's legal name). It also provides for the use of trade names by the licensee.

Does the applicant intend to use trade names?

- ☐ Yes, provide a list of trade names the applicant intends to use in the space provided below.
- ☒ No, proceed to section 6.

6. Applicant's Licensing Status and History

(a) Has the applicant, an affiliate of the applicant, or an associated entity (e.g., a partnership or limited partnership), ever been licensed by the OEB? (The *Business Corporations Act* definition for affiliate can be found at www.e-laws.gov.on.ca)

- ☐ Yes, provide details of current and expired licences in the table below.
- ☒ No, proceed to 6(b).

Licensee Name	Relation to the Applicant (e.g., applicant itself, affiliate, partner...etc.)	Licence Number

(b) Does the applicant, an affiliate of the applicant, or an associated entity have any other application(s) before the OEB?

☒ Yes, provide details in the table below.

☐ No, proceed to 6(c).

Applicant Name	Relationship to this Applicant	Type of Application	OEB File Number
Guelph Energy Storage LP	Same General Partner / Limited Partners	Energy Storage - New	

(c) Has the applicant, an affiliate of the applicant, or an associated entity ever undertaken energy sector activity in any other jurisdiction within North America?

☒ Yes, provide details in the table below.

☐ No

Company Name	Relation to the Applicant	Jurisdiction	Business Activity	Name of Licensing Body and Licence/Registration No. (if applicable)
Convergent Energy and Power Inc.	Associated entity	United States	Wholesale market participant	ISO-NE

7. Key Individuals

In the table below, identify all key individuals associated with the applicant's business. Key individuals include sole proprietors, each partner, all officers and directors of a corporation, all shareholders with 10% or more of the equity shares of a corporation, managers, and any other individuals with a beneficial interest.

Name of Key Individual	Title/Position within Applicant's Business (or identify company if not the Applicant's Business)
Frank Genova III	Director
Johannes Rittershausen	Director
Erez Rubinstein	Director

8. Intended Services and Markets

- (a) The OEB Act defines “ancillary services” as services necessary to maintain the reliability of the IESO-controlled grid, including frequency control, voltage control, reactive power, and operating reserve services. Does the applicant intend to sell electricity or ancillary services into the IESO administered market?

☒ Yes

☐ No

- (b) Does the applicant intend to settle with an electricity distributor for the electricity injected into the distribution system in accordance with the retail settlement system?

☐ Yes, please identify the electricity distributor _____

☒ No

- (c) Does the applicant intend to sell electricity to another person?

☐ Yes

☒ No

If yes, is this person a consumer (i.e., a person who uses, for the person's own consumption, electricity that the person did not generate)?

☐ Yes. The applicant may require a retailer licence. The application form can be found at www.ontarioenergyboard.ca

☐ No

9. Facility Description

Is the applicant applying to be licensed for more than one facility?

☐ Yes, please make a copy of sections 9, 10 and 11 for each facility and provide information for each facility

☒ No

Storage Type

☒ Battery ☐ Flywheel ☐ Compressed Air

☐ Other, please specify _____

Installed Capacity 7 MW

Number of Units 00001

If the applicant is selling ancillary services, please describe: Facility is selling reactive support and voltage control service to the IESO via the IESO's Energy Storage Procurement Phase I process. The facility may also sell wholesale energy into the IESO market.

Facility name: Sault Ste Marie Energy Storage LP

Facility Address: 915 McNabb St, Sault Ste. Marie, ON P6B 6J1

Licence Responsibility/Qualification Sought

☒ Owner and Operator

☐ Owner Only. Please identify operator _____

☐ Operator Only. Please identify owner _____

If the applicant is applying for only one of the two qualifications, please provide information on the status of the other qualification. The information should include confirmation as to whether or not the person or entity seeking the other qualification is licensed; if licensed, please provide the licence number and, if not, indicate when an application for the other qualification will be filed with the OEB.

10. Facility History and Status

Is the facility in commercial service?

☐ Yes, proceed to section 10(a)

☒ No, proceed to section 10(b) or 10(c) as applicable.

(a) Existing Facility in Commercial Service

When did this facility achieve commercial operation? _____

Is the applicant the original owner and operator?

☐ Yes

☐ No, identify previous owner and operator: _____

(b) New Facility

Has facility construction commenced?

☐ Yes

☒ No

What is the expected commercial in service date? April 1, 2017

(c) Existing Facility **NOT** in Commercial Service

What is the expected commercial in service date? _____

Please provide a list of all other regulatory approvals required (e.g. environmental, municipal, etc.). Please identify the status of each approval.

The facility is located on PUC Service's existing St. Mary's TS1 substation and all site environmental permits are held directly by PUC Services. Amendments to those permits are being filed to update sound emission characteristics of the site.

Structural permits for foundation design as well as an application for ESA approval have also been filed.

11. Connection

What is the voltage at the perimeter of the applicant's property from the output of the storage facility?

- ☒ 50 kV or less, proceed to section 11(a)
☐ greater than 50 kV, proceed to section 11(b)

- (a) The OEB Act defines a "distribution system" as a system for distributing electricity, and includes any structures, equipment or other things used for that purpose. "Distribute", with respect to electricity, means to convey electricity at voltages of 50 kV or less.

Describe the existing or future distribution system from the output of the storage facility to the connection point with the electricity distributor or to the connection point with the transmission system (e.g., length of line, transformers, etc.).

Li-ion battery modules integrated by GE -> 6 x 1.25MVA inverters (~40' away) outputting at 480VAC -> 480/34.5kV, 1.25MVA transformer (~40' away) -> aggregated to switchgear assembly (~25' away) -> underground 75' to 34.5kV S&C Vista Switchgear -> underground 75' to station breaker.

Does (or will) the applicant own and/or operate the distribution system?

- ☒ Yes
☐ No, identify the owner and/or operator of the distribution system _____

If yes, does the applicant own and/or operate the distribution system only for the purpose of conveying electricity from the storage facility to the IESO-controlled grid?

- ☒ Yes
☐ No, describe the purpose of the distribution system _____

If the answer to the question above is no, the applicant may require a distribution licence. The application form can be found at www.ontarioenergyboard.ca.

Does (or will) the distribution system connect the storage facility to an electricity distributor?

- ☒ Yes, identify the electricity distributor PUC Distribution Inc. (PUC Services)
☐ No, proceed to section 11(b)

- (b) The OEB Act defines a "transmission system" as a system for transmitting electricity, and includes any structures, equipment or other things used for that purpose. "Transmit", with respect to electricity, means to convey electricity at voltages of more than 50 kV.

Describe the existing or future transmission system from the output of the storage facility or applicant's distribution system to the connection point with the transmission network (e.g., length of line, transformers, etc.).

N/A

Does (or will) the applicant own and/or operate the transmission system?

☐ Yes

☐ No, identify the owner and/or operator of the transmission system _____

If yes, does the applicant own and/or operate the transmission system only for the purpose of conveying electricity from the storage facility to the IESO-controlled grid?

☐ Yes

☐ No, describe the purpose of the transmission system _____

If the answer to the question above is no, the applicant may require a transmission licence. The application form can be found at www.ontarioenergyboard.ca.