



## Application for an Electricity Storage Licence

### Application Instructions

#### 1. Purpose of this Form

Use this form to apply, under section 60 of the *Ontario Energy Board Act, 1998* (OEB Act), for an "electricity storage" licence. An electricity storage licence issued by the Ontario Energy Board (OEB) enables the licensee to generate electricity or provide ancillary services for sale through the IESO-administered markets or directly to another person; purchase electricity or ancillary services in the IESO-administered markets or directly from a generator; and, sell electricity or ancillary services through the IESO-administered markets or directly to another person, other than a consumer.

#### 2. Completion Instructions

This form is in writeable PDF and can be completed electronically. If necessary, **responses may be continued on additional pages**. The applicant is encouraged to complete the form electronically, save the completed form and file it, along with any attachments, by e-mail to: [boardsec@ontarioenergyboard.ca](mailto:boardsec@ontarioenergyboard.ca).

**THE APPLICANT MUST ALSO SEND TWO PAPER COPIES OF THE COMPLETED AND SIGNED APPLICATION FORM, ALONG WITH TWO PAPER COPIES OF ANY ATTACHMENTS AND THE APPROPRIATE APPLICATION FEE TO:**

Board Secretary  
Ontario Energy Board  
P.O. Box 2319  
27<sup>th</sup> Floor  
2300 Yonge Street  
Toronto ON M4P 1E4

The OEB uses the following three main criteria to assess applicants for an electricity storage licence:

- The applicant's ability to be a financially viable entity with respect to the activities the applicant intends to undertake;
- The applicant's technical capability and experience with respect to the activities the applicant intends to undertake; and
- The applicant and its key individuals' past business history and conduct such that they afford reasonable grounds for belief that the applicant will carry on business in accordance with the law, integrity and honesty.

The information requested in this application form relates to the above noted criteria. The applicant must complete and file the information requested in this application form. The OEB may require information that is additional to the information filed in this application form. Also, filing of a completed application form does not preclude the applicant from filing additional information.

Any questions regarding the completion of this application should be directed to the OEB at [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### 3. Application and Registration Fees

A non-refundable application fee is required to process this application. Please enclose a cheque or money order made payable to the **ONTARIO ENERGY BOARD**. If a licence is issued, the licensee may be required to pay an annual registration fee. The amounts of the application fee and the annual registration fee are indicated on the "Apply for a Licence" page of the "Licences" section of the OEB's website at [www.ontarioenergyboard.ca](http://www.ontarioenergyboard.ca).

### 4. Confidentiality

Information filed as part of or in support of sections 12 to 16 of this application will be treated as confidential. All other information filed as part of or in support of this application will be placed on the public record. Where the applicant objects to public disclosure of information filed as part of or in support of sections other than sections 12 to 16, the applicant must follow the procedure set out in the OEB's Practice Direction on Confidential Filings.

### 5. Important Information

Applicants should consider the timelines required to process applications to avoid submitting applications too early or too late. Submitting applications too early without reasonable certainty of the proposed licensed activities will impede regulatory efficiency while submitting applications too late will leave the applicant to bear the risk of delayed commencement of licensed activities. Processing timelines are indicated on the "Apply for a Licence" page of the "Licences" section of the OEB's website at [www.ontarioenergyboard.ca](http://www.ontarioenergyboard.ca). If submitted incomplete, there may be a delay in processing the application.

Applicants must make a copy of the non-confidential sections of the application available to any person who requests a copy of the application.

Ontario Energy  
Board  
P.O. Box 2319  
2300 Yonge Street  
27th Floor  
Toronto ON M4P 1E4  
Telephone: 1-888-632-6273  
Facsimile: (416) 440-7656

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-
Date Received	

### 1. The Applicant

Legal Name of the Applicant : Guelph 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	Toll Free (if available)	E-mail Address
<u>917.508.0190</u>		<u>info@convergentep.com</u>

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](http://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
Sault Ste Marie 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](http://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 5 MW

Number of Units 00001

If the applicant is selling ancillary services, please describe: Facility is selling regulation service to the IESO via the IESO's Energy Storage Procurement Phase I process.

Facility name: Guelph Energy Storage LP

Facility Address: 436 Clair Rd. W., Guelph, Ontario N1G 4Y1

### 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.

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## 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 Guelph Hydro Electric Systems (GHESI) substation and all site environmental permits are held directly by GHESI. 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.).

Each 500kW flywheel -> a Danfoss drive assembly (~35' away) to invert and rectify using 4-quadrant inverters / isolated motor generators -> one of (4) 480/13kV, 1.5MVA transformers (~40' away) -> 13kV switchgear assembly (~35' away) -> underground ~600' to indoor station house and pre-existing 13kV ABB motorized station breaker. (See attached SLD)

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](http://www.ontarioenergyboard.ca).

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

- ☒ Yes, identify the electricity distributor Guelph Hydro Electric Systems Inc.  
☐ 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](http://www.ontarioenergyboard.ca).