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 Toronto ON M4P 1E4  
 Téléphone: 1-888-632-6273  
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# Application for an Electricity Storage Licence

For Office Use Only	
Application Number	EB-
Date Received	

## 1. The Applicant

Legal Name of the Applicant : VCharge, Inc.

Business Classification:

- Sole Proprietor
- Partnership
- Corporation
- Other (describe) \_\_\_\_\_

Date of formation or incorporation: 09/14/2011

Place of formation or incorporation:

Province/State Delaware  
 Country USA

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

<u>235 Promenade St, Suite 475</u>			
City	Province/State	Country	Postal/Zip Code
<u>Providence</u>	<u>Rhode Island</u>	<u>USA</u>	<u>02908</u>
Phone Number	Toll Free (if available)	E-mail Address	
	<u>(866) 607-0402</u>	<u>ieso_ops@vcharge-energy.com</u>	
Website Address	<u>www.vcharge-energy.com</u>		

## 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"/>	Chatham	Robert	H
Other <input type="radio"/>		Title/Position	Chief Marketing Officer, Head of Business Development	
		Company Name	VCharge, Inc.	
Licence Primary Contact Address:				
235 Promenade St, Suite 475				
City	Province/State	Country	Postal/Zip Code	
Providence	Rhode Island	USA	02908	
Phone Number	Toll Free (if available)	E-mail Address		
	(866) 607-0402	bchatham@vcharge-energy.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

(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)
VCharge, Inc.	Same	ISO-New England	Ancillary services provider	ISO-NE
VCharge, Inc.	Same	PJM	Demand aggregator; Ancillary svcs provider	PJM
VCharge, Inc.	Same	PPL	Energy supply	Pennsylvania PUC

## 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)
George P. Baker	CEO, Director
Jessica L. Millar	CTO, Director
David A. Durfee	Director; Principal, Bay Computer Associates
Mark P. Carthy	Director; Senior Partner, Orion Healthcare Equity Partner
Eugene Zimon	Director; President, EDGE Advisers

## 8. Intended Services and Markets

- (a) The 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 Thermal storage

Installed Capacity 0.75 MW

Number of Units \_\_\_\_\_

If the applicant is selling ancillary services, please describe: Frequency regulation as part of the IESO's pilot

for alternative storage/demand-side regulation assets. We are using thermal storage heaters installed in a social housing project.

Facility name: 801 Upper Gage

Facility Address: 810 Upper Gage St, Hamilton, Ontario

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? 12/1/2015

(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.

None; this is a demand-side asset behind the meter using CSA-approved heating equipment. We will be working closely with the IESO on issues associated with using distributed demand-side assets hosted behind the meter as a grid resource (e.g., frequency regulation control measurement and verification).

## 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 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.).

Not really applicable, as we do not inject energy back onto the distribution or transmission grids. We regulate by varying load around a baseline (e.g., +/- 375kW around a 375kW load baseline for our 750 kW asset)

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

- Yes  
 No, identify the owner and/or operator of the distribution system Horizon

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 \_\_\_\_\_
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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 Horizon  
 No, proceed to section 11(b)

- (b) The 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.).

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

Yes

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

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 \_\_\_\_\_

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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).