



Electricity Storage Licence Application

Arlen Energy Storage 1 LP

1. Application Type

1. (a) Application Type

☒ New ☐ Renewal

2. The Applicant

2. (a) Legal Name of the Applicant

Arlen Energy Storage 1 LP

2. (b) Business Classification

☐ Sole Proprietorship ☒ Partnership ☐ Corporation ☐ Other

2. (c) Date of Formation or Incorporation

February 08, 2023

2. (d) Province/State of Formation or Incorporation

ON

2. (e) Country of Formation or Incorporation

Canada

2. (f) If the applicant is an individual, are they at least 18 years old?

If the applicant is an individual, the applicant must be at least 18 years old.

☐ Yes ☐ No ☒ Not Applicable

2. (g) Head Office or Business Address of the Applicant

Street Address: 150 King Street West, Suite 200

City: Toronto

Province/State: Ontario

Country: Canada

Postal/Zip Code: M5H 3T9

Main Phone Number and Email Address

Phone Number: (905) 798-2438

Email Address: ammar.nawaz@electrasolutions.com

2. (h) Please describe the applicant's current or intended line of business and business activities.

Construct a Lithium-ion Battery Energy Storage System (BESS) (20MW/80MWh) at 436 Clair Road West Guelph, Ontario with intent to provide capacity and ancillary services to the IESO grid.

3. Licence Primary Contact

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

3. (a) Licence Primary Contact

Salutation: Mr.

Last Name: Bifulchi

First Name: Peter

Title/Position: Director, Distributed Energy Solutions Construction & Ops

Company: Alectra Energy Solutions

Phone Number: (416) 220-1128

Email Address: peter.bifulchi@alectrasolutions.com

3. (b) Is the Licence Primary Contact address the same as the Head Office or Business address?

☐ Yes ☒ No

Licence Primary Contact Address

Street Address: 161 Cityview Boulevard

City: Vaughan

Province/State: ON

Country: Canada

Postal/Zip Code: L4H 0A9

4. Application Primary Contact

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.

4. (a) Is the Application Primary Contact the same as the Licence Primary Contact?

☒ Yes ☐ No

5. Trade Names

The electricity generation 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.

5. (a) Does the applicant intend to use trade names?

☐ Yes ☒ No

6. Applicant's Licensing Status and History

6. (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?

☒ Yes ☐ No

The *Business Corporations Act* definition for "affiliate" can be found at www.e-laws.gov.on.ca.

If yes, please provide current and expired licences.

Licensee Name	Relation to the Applicant (e.g. applicant itself, affiliate, partner, etc.)	Licence Number
Alectra Energy Services Inc.	Affiliate	ES-2023-0333 (Unit Sub-Metering)
Alectra Utilities Corporation	Affiliate	ED-2016-0360 (Electricity Distribution)
Alectra Utilities Corporation	Affiliate	EG-2004-0438 (Electricity Generation - expired)
Solar Sunbelt General Partnership	Affiliate	EG-2012-0259 (Feed-in Tariff Program)
Alectra Microgrid Services Project (LNR) General Partnership on behalf of Alectra Microgrid Services Project (LNR) Limited Partnership	Affiliate	EG-2021-0090 (Electricity Generation)
Alectra Microgrid Services Project (LNR) General Partnership on behalf of Alectra Microgrid Services Project (LNR) Limited Partnership	Affiliate	ER-2021-0091 (Electricity Retailer)
Alectra Campbell Road LP	Affiliate	EG-2024-0149 (Electricity Generator)
Alectra Campbell Road LP	Affiliate	ER-2024-0148 (Electricity Retailer)
Sault Ste Marie Energy Storage LP	Affiliate	ES-2021-0311 (Electricity Storage)
Guelph Energy Storage LP	Affiliate	ES-2016-0306 (Electricity Storage - expired)

6. (b) Does the applicant, an affiliate of the applicant, or an associated entity (e.g. a partnership or limited partnership) have any other application(s) before the OEB?

☒ Yes ☐ No

If yes, please provide other applications.

Applicant Name	Relation to the Applicant	Type of Application	OEB File Number
Vaughan 1E Energy Storage 1 LP	Affiliate	Electricity Storage Application	To be assigned
Vaughan 3 Energy Storage 1 LP	Affiliate	Electricity Storage Application	To be assigned

6. (c) Has the applicant, an affiliate of the applicant, or an associated entity (e.g. a partnership or limited partnership) ever undertaken energy sector activity in any other jurisdiction within North America?

☒ Yes ☐ No

If yes, please provide information about activities in other jurisdictions.

Company Name	Relation to the Applicant	Jurisdiction	Business Activity	Name of Licensing Body and Licence/Registration No. (if applicable)
Alectra Energy Solutions Inc.	Parent Company	British Columbia, Canada; New Brunswick, Canada; Newfoundland, Canada; Nova Scotia, Canada; Quebec, Canada; Various American States	Provide energy services & solutions	n/a
Holland Power Services Inc.	Affiliate	New Brunswick, Canada; Nova Scotia, Canada; Quebec, Canada; Ontario, Canada; Prince Edward Island, Canada; Various American States	Electrical services & emergency power restoration service	n/a
Util-Assist Inc.	Affiliate	British Columbia, Canada; New Brunswick, Canada; Newfoundland, Canada; Nova Scotia, Canada; Various American States	Professional services & managed services	n/a
Grid4C Ltd.	Associated Entity (invested interest by Util-Assist Inc.)	British Columbia, Canada; New Brunswick, Canada; Newfoundland, Canada; Nova Scotia, Canada; Various American States	Artificial intelligence & machine learning services	n/a

6. (d) Is the applicant, an affiliate of the applicant, or an associated entity (e.g. a partnership or limited partnership) an Independent Electricity System Operator (IESO) market participant?

☒ Yes ☐ No

If yes, please provide information on the IESO market participant(s) below.

Registered IESO Organization Name	Relation to the Applicant	Participant/Program/Service
ALECTRA MICROGRID SERVICES PROJECT (LNR) LP	Affiliate	Capacity Auction, Capacity Market Participant

Registered IESO Organization Name	Relation to the Applicant	Participant/Program/Service
ALECTRA UTILITIES CORPORATION	Affiliate	Local Distribution Company, Capacity Auction, Capacity Market Participant
ALECTRA UTILITIES CORPORATION - GUELPH HYDRO ELECTRIC SYSTEMS INC.	Affiliate	Local Distribution Company

7. Officers, Directors and Key Individuals

7. (a) Please confirm the number of officers, directors and key individuals in your organization.

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7. (b) In the table below, identify the key individuals that are responsible for executing the following functions for the applicant: matters related to regulatory requirements and conduct, financial matters and technical matters.

Key individuals include the Chief Executive Officer, the Chief Financial Officer, other officers and directors, partners or proprietors.

NOTES:

1. List a minimum of 3 key individuals in the table below. Additional information about each key individual is required in Section 16.
2. One of the listed key individuals must sign the completed application. See Section 18 for signing authority details.

Name of Key Individual	Email	Title/Position within Applicant's Business (or identify company if not the Applicant's Business)
Ammar Nawaz	ammarnawaz@alectrasolutions.com	Vice President, Distributed Energy Solutions Aletra Energy Solutions Inc.
Letitia Bryan	lbryan@convergentep.com	Associate General Counsel Convergent Energy and Power LP
Vinay Mehta	vinay.mehta@aletra.com	Executive Vice President, Legal, Strategy and Corporate Secretary Aletra Inc.
Fernando Martinez	fmartinez@convergentep.com	Deputy General Counsel Convergent Energy and Power LP
Heather Clark	heather.clark@alectrasolutions.com	Vice President, Financial Analysis & Investments Aletra Energy Solutions Inc.
Aaron Tremor Temchin	ttemchin@convergentep.com	Senior Vice President Convergent Energy and Power LP

8. Intended Markets and Services

8. (a) Does the applicant intend to sell electricity into the IESO-administered markets?

☒ Yes ☐ No

If yes, please provide particulars (e.g. procurement contract with the IESO).

Contract with IESO for providing Capacity Product - 20MW with 4-hour duration-under the Expedited Long-Term Reliability Services Contract (E-LT1) RFP, IESO energy market participation.

8. (b) Does the applicant intend to sell ancillary services into the IESO-administered markets?

The [Ontario Energy Board Act, 1998](#), (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.

☒ Yes ☐ No

If yes, please provide particulars.

Operating reserve services.

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

☐ Yes ☒ No

8. (d) Does the applicant intend to sell electricity to a consumer, defined as a person who uses for the person's own consumption, electricity that the person did not generate?

☐ Yes ☒ No

If yes, the applicant may require a retailer licence. The electricity retailer application form along with information regarding when a retailer licence is required can be found on the OEB's [Apply for a licence](#) web page. If required, the electricity retailer application should be filed as soon as possible.

9. Facility Description

Please provide the number of facilities the applicant intends to generate electricity for sale from.

1

Facility #1

(a) Storage Type

☒ Battery ☐ Flywheel ☐ Compressed Air ☐ Other

(b) Installed Capacity (in Megawatts)

20.00 MW

NOTE: A person who owns or operates 1 or more facilities each with a total name plate capacity of 500 kilowatts or less is exempt from the need to obtain an electricity storage licence.

(c) Number of Units

18

(d) Facility Name

Arlen Energy Storage 1

(e) Facility Address

436 Clair Road West
Guelph, ON
N1L 1G5

(f) Licensee Responsibility/Qualification Sought

☒ Owner and operator ☐ Owner only ☐ Operator only

10. Facility Status

Facility #1

(a) Facility Status

☐ Existing facility in commercial service ☒ New facility ☐ Existing facility not in commercial service

Has construction of this facility started?

☒ Yes ☐ No

What is the expected commercial in-service date?

December 11, 2025

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

Site Plan (obtained)
Municipal Building Permit (obtained) – Municipal
ESA permit (to be submitted) – Ontario
MTO (obtained) – Provincial

(c) Is the generation facility under construction or extensive rehabilitation?

☒ Yes ☐ No

If yes, please provide the projected capital cost.

\$50,000,000.00

(d) Has the applicant secured financing?

☒ Yes ☐ No

If yes, please provide particulars.

External financing is not required

11. Facility Connection

Facility #1

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

☒ 50 kV or less ☐ greater than 50 kV

NOTE:

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.

(i) 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.).

Connected to two 13.8kV feeders (F11 & F23) of Arlen TS that is located 300 ft north of facility via 100m underground cables; Tx s: 6 * 4.5 MVA.; Facility Size: 35,000 sq.ft.

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

☐ Yes ☒ No

If no, please identify the owner and/or operator of the distribution system.

Alectra Utilities Corporation

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

☒ Yes ☐ No

If yes, please identify the electricity distributor.

Alectra Utilities Corporation

(b) Please provide a diagram demonstrating all components of the generation facility, distribution assets to connect to the customer's facility and the connection point to the customer's facility.

[arlen-technical-drawings.pdf](#)

(c) Please identify the ownership of all components included in the diagram provided in the last question, i.e. if the components are owned by the applicant or the customer.

All the components shown below the demarcation point on the single line diagram are owned by applicant.

CONFIDENTIAL SECTIONS

Information filed as part of or in support of sections 12 to 16 of this application will be treated as confidential and is not available for public view.

17. Notice

The OEB is authorized, under section 4.14 of the [OEB Act](#), to collect personal information for the purpose of carrying out its duties and exercising its powers under the OEB Act or any other Act.

The information provided both on this form and attached to this form is being collected by the OEB for the purpose of determining whether the applicant is qualified to receive the licence for which it is applying.

In order to verify the information on this form and/or determine whether the applicant is qualified to receive the licence for which it is applying, it may be necessary for the OEB to collect additional information from some or all of the following sources: federal, provincial/state, or municipal governments; licensing bodies; law enforcement agencies; credit bureaus; and banks. Only information relevant to the application or the OEB's determination of the application will be collected by the OEB.

The public official who can answer questions about the collection of the information is:

Registrar

Ontario Energy Board

P.O. Box 2319

2300 Yonge Street, 27th Floor

Toronto, ON M4P 1E4

Tel: 416-481-1967 or 1-888-632-6273

Applicants are reminded that the OEB is subject to the [Freedom of Information and Protection of Privacy Act](#) (FIPPA). FIPPA addresses circumstances in which the OEB may, upon request, be required to release information that is in its custody or under its control, and generally prohibits the OEB from releasing personal information. "Personal Information" has the meaning given to it under

FIPPA.