



## Electricity Generation Licence Application

### Canadian Hydro Developers, Inc. (EG)

#### 1. Application Type

##### 1. (a) Application Type

☐ New ☒ Renewal

##### 1. (b) Licence Number

EG-2003-0134

##### 1. (c) Expiry Date

March 31, 2023

#### 2. The Applicant

##### 2. (a) Legal Name of the Applicant

Canadian Hydro Developers, Inc. (EG)

##### 2. (b) Business Classification

☐ Sole Proprietorship ☐ Partnership ☒ Corporation ☐ Other

##### 2. (c) Date of Formation or Incorporation

November 01, 2020

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

Alberta

##### 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

<u>STREET ADDRESS</u>	<u>CITY</u>	<u>PROVINCE/STATE</u>	<u>COUNTRY</u>	<u>POSTAL/ZIP CODE</u>
110 - 12th Avenue SW	Calgary	Alberta	Canada	T2P 2M1

##### WEBSITE

www.transalta.com

### Main Phone Number and Email Address

#### PHONE NUMBER

403-267-7110

#### EMAIL ADDRESS

Regulatory\_Reporting@TransAlta.com

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

Electricity generation.

## 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

<u>SALUTATION</u>	<u>LAST NAME</u>	<u>FIRST NAME</u>	<u>INITIALS</u>	<u>COMPANY</u>	<u>PHONE NUMBER</u>
Mrs.	Ohreen	Paula	H.	TransAlta Corporation	403-267-4751
<u>TITLE/POSITION</u>					
Training and Reporting Analyst, Trading Compliance					

#### EMAIL ADDRESS

Paula\_Ohreen@TransAlta.com

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

☒ Yes ☐ No

## 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](http://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
Canadian Hydro Developers, Inc.	Applicant	EG-2003-0134
Melancthon Wolfe Wind LP	Affiliate	EG-2003-0013
TransAlta Cogeneration, L.P.	Affiliate	EG-2003-0184
TransAlta (SC) Inc. on behalf of TransAlta (SC) L.P.	Affiliate	ER-2019-0274
TransAlta (SC) Inc. on behalf of TransAlta (SC) L.P.	Affiliate	EG-2009-0287
TransAlta Energy Marketing Corp.	Affiliate	EW-2016-0174
TransAlta (RC) Inc. on behalf of TransAlta (RC) L.P.	Affiliate	EG-2013-0291
TA Kent Breeze Inc. on behalf of TA Kent Breeze Limited	Affiliate	EG-2015-0220

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

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)
Canadian Hydro Developers, Inc.	Applicant	Alberta, BC	Power generation	AUC, BCUC - no License/Registration No.
TransAlta Centralia Generation LLC	Affiliate	U.S.	Power generation	FERC - ER00-494

Company Name	Relation to the Applicant	Jurisdiction	Business Activity	Name of Licensing Body and Licence/Registration No. (if applicable)
TransAlta Energy Marketing (U.S.) Inc.	Affiliate	U.S.	Power marketing and trading	FERC - ER05-1014
TransAlta Energy Marketing Corp.	Affiliate	Canada	Power marketing and trading	FERC - ER09-884-000
Antrim Wind Energy LLC	Affiliate	U.S.	Power generation	FERC - ER19-1889-000
Big Level Wind LLC	Affiliate	U.S.	Power generation	FERC - ER18-1984-000
Lakeswind Power Partners, LLC	Affiliate	U.S.	Power generation	FERC - ER18-1159-001
TransAlta Wyoming Wind LLC	Affiliate	U.S.	Power generation	FERC - ER14-963-001
TransAlta Generation Partnership	Affiliate	Alberta	Power generation	AUC - no License/Registration No.
TA Alberta Hydro Inc.	Affiliate	Alberta	Power generation	AUC - no License/Registration No.
TransAlta Cogeneration, L.P.	Affiliate	Alberta	Power generation	AUC - no License/Registration No.
Keephills 3 Limited Partnership	Affiliate	Alberta	Power Generation	AUC - no License/Registration No.
TA Poplar Creek L.P.	Affiliate	Alberta	Power Generation	AUC - no License/Registration No.
Windrise Wind LP	Affiliate	Alberta	Power Generation	AUC - no License/Registration No.
Kent Hills Wind Inc.	Affiliate	New Brunswick	Power Generation	NBEUB - no License/Registration No.
TransAlta (LN) L.P.	Affiliate	Quebec	Power Generation	Hydro Quebec - no License/Registration No.
Pingston Power Inc.	Affiliate	British Columbia	Power Generation	BCUC - no License/Registration No.

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
Melancthon Wolfe Wind LP	Affiliate	Generator, Centralized Forecasting
TransAlta Cogeneration LP	Affiliate	Generator
TransAlta (SC) L.P.	Affiliate	Generator
TransAlta Energy Marketing Corp.	Affiliate	Energy Trader, Financial Market
TA Kent Breeze L.P.	Affiliate	Centralized Forecasting

## 7. Officers, Directors and Key Individuals

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

10

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)
Scott Jeffers	Scott_Jeffers@TransAlta.com	TransAlta Corporation - VP, Legal & Corporate Secretary
Brent Ward	Brent_Ward@TransAlta.com	TransAlta Corporation - SVP, M&A Strategy & Treasurer & CFO TA Renewables
Gary Woods	Gary_Woods@TransAlta.com	TransAlta Corporation - VP, Gas & Renewables

Name of Key Individual	Email	Title/Position within Applicant's Business (or identify company if not the Applicant's Business)

## 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).**

Misema - RESOP10324  
Moose Rapids - HCI-0041

**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

**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.**

2

### Facility #1

**(a) Generation Type**

☐ Natural Gas ☒ Water ☐ Wind ☐ Solar ☐ Other

**(b) Installed Capacity (in Megawatts)**

3.00 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 generation licence.

**(c) Number of Units**

1

**(d) Facility Name**

Misema

**(e) Facility Address**

Lots 11 and 12  
Concession IV  
Marter Township  
Ontario  
P0J 1H0

**(f) Licensee Responsibility/Qualification Sought**

☒ Owner and operator    ☐ Owner only    ☐ Operator only

**Facility #2**

**(a) Generation Type**

☐ Natural Gas    ☒ Water    ☐ Wind    ☐ Solar    ☐ Other

**(b) Installed Capacity (in Megawatts)**

1.25 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 generation licence.

**(c) Number of Units**

3

**(d) Facility Name**

Moose Rapids

**(e) Facility Address**

Station Road  
Sudbury  
Ontario  
P3A 2G3

**(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

### **When did this facility achieve commercial operation?**

January 1, 2003

### **Is the applicant the original owner and operator?**

☐ Yes      ☒ No

### **If no, please identify previous owner and operator.**

Canadian Hydro Developers, Inc.

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

Not applicable – existing facility.

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

☐ Yes      ☒ No

### **(d) Has the applicant secured financing?**

☐ Yes      ☒ No

### **If no, please describe the applicant's plans to secure financing.**

Not applicable – existing facility.

## **Facility #2**

### **(a) Facility Status**

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

### **When did this facility achieve commercial operation?**

January 1, 1997

### **Is the applicant the original owner and operator?**

☐ Yes      ☒ No

### **If no, please identify previous owner and operator.**

Canadian Hydro Developers, Inc.

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

Not applicable – existing facility.

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

☐ Yes      ☒ No

(d) Has the applicant secured financing?

☐ Yes ☒ No

If no, please describe the applicant's plans to secure financing.

Not applicable – existing facility.

## 11. Facility Connection

### Facility #1

(a) What is the voltage at the perimeter of the applicant's property from the output of the generation 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 generation 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.).

The facility has one 3.21MW generator with 4160KV output voltage. A Delta/Y 3500KVA step up transformer is used to bring the voltage up to 44KV, and through a SF6 line breaker and a motorized line switch to interconnect to Hydro One transmission system at 16M62. 16M62 is right outside the plant substation.

(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.

Hydro One

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

☒ Yes ☐ No

If yes, please identify the electricity distributor.

Hydro One

(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.

[misema-m-6500-electrical-overall-single-line-daigram-rev-31-aug-2009.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 components are owned by the applicant.

### Facility #2

**(a) What is the voltage at the perimeter of the applicant's property from the output of the generation 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 generation 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.).**

The facility has 3\*450KW generators and a 1500KVA 600/12.5KV step up transformer. The facility owns 4.4 KM transmission line from the 600A line load break near the plant powerhouse to Kukagami Road, and interconnect to Hydro One grid near the 13KM marker on Kukagami Road.

**(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.**

Hydro One

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

☒ Yes      ☐ No

**If yes, please identify the electricity distributor.**

Hydro One

**(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.**

[moose-rapids-moosesld6510-smaller.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 components are owned by the 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.