



Electricity Generation Licence Application

CM Greenfield Power Corp. on behalf of Greenfield Energy Centre LP

1. Application Type

1. (a) Application Type

☐ New ☒ Renewal

1. (b) Licence Number

EG-2006-0019

1. (c) Expiry Date

June 22, 2026

2. The Applicant

2. (a) Legal Name of the Applicant

CM Greenfield Power Corp. on behalf of Greenfield Energy Centre LP

2. (b) Business Classification

☐ Sole Proprietorship ☒ Partnership ☐ Corporation ☐ Other

2. (c) Date of Formation or Incorporation

December 09, 2004

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

Ontario

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: 717 Texas Avenue #1000

City: Houston

Province/State: Texas

Country: United States of America

Postal/Zip Code: 77002

Website: www.calpine.com

Main Phone Number and Email Address

Phone Number: 713-570-4763

Email Address: brett.howell@calpine.com

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

Applicant is in the power generation business and sells power to the IESO.

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: Howell

First Name: Brett

Title/Position: Vice President

Company: CM Greenfield Power Corp

Phone Number: 713-570-4763

Email Address: brett.howell@calpine.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.

If yes, please provide current and expired licences.

Licensor Name	Relation to the Applicant (e.g. applicant itself, affiliate, partner, etc.)	Licence Number
CM Greenfield Power Corp	Applicant Itself	EG-2006-0019

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)
Calpine Energy Services	Affiliate of Applicant	ISONE, NYISO, PJM, MISO, ERCOT, CAISO	Purchase & Sale of Electric Power	No license or 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
Greenfield Energy Centre LP	Applicant itself	IESO

7. Officers, Directors and Key Individuals

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

18

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)
Brett Howell	brett.howell@calpine.com	Vice President
Charles Parnell	charles.parnell@calpine.com	VP Regional Operations
David Lamoreaux	david.lamoreaux@calpine.com	Regional Managing Counsel

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 the IESO same as current agreement

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.

1

Facility #1**(a) Generation Type**

☒ Natural Gas ☐ Water ☐ Wind ☐ Solar ☐ Other

(b) Installed Capacity (in Megawatts)

1100.00 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

4

(d) Facility Name

Greenfield Energy Center

(e) Facility Address

140 Bickford Line, P.O. Box 280
Courtright, ON N0N 1H0

(f) Licensee Responsibility/Qualification Sought

☐ Owner and operator ☒ Owner only ☐ Operator only

Please provide the name of the facility operator.

Ethos Energy Canada Limited

Is the facility operator licensed by the OEB?

☐ Yes ☒ No

If no, indicate when a licence application will be filed with the OEB.

Not applicable

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?

October 16, 2008

Is the applicant the original owner and operator?

☒ Yes ☐ No

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

File No. Document

001 Decision and Order of the Ontario Energy Board (OEB), issued on March 29

002 Decision and Order of the OEB, issued on June 23, 2006, granting CM

003 Decision and Order of the OEB, issued on January 6, 2006
 004 Certificate of Public Convenience and Necessity, issued by the OEB
 005 Notification of Conditional Approval for Connection from the Independent
 006 Customer Impact Assessment (CIA) dated June 30, 2006
 007 Aeronautical Obstruction Clearance Form Received by Transport Canada
 008 Nav Canada Approval dated as of April 7, 2006
 009 Transboundary Air Notification Submitted to Environment Canada
 010 Statement of Completion under Environmental Assessment Act
 011 Certificate of Approval (Air & Noise) issued by the MOE
 012 Permit to Take Water Issued by the MOE dated December 14, 2005
 013 Amended Permit to Take Water Issued by the MOE dated December 14, 2005
 014 Certificate of Approval Number 6070-6J6PVZ for Industrial Sewage Works
 015 Amended Certificate of Approval for Industrial Sewage Works
 016 Amended Certificate of Approval for Industrial Sewage Works Number
 017 Amendment to Provisional Certificate of Approval for Waste Disposal Site
 018 Letter by Ontario Ministry of Culture dated July 8, 2005
 019 Waste Generator registration with MOE
 020 County of Lambton Entrance Permit #818 permitting entrance onto Bickford Line
 021 Pipeline Crossing County Right of Way Agreement between the County
 022 Pipeline Crossing County Right of Way Agreement between the County
 023 Pipeline Crossing County Right of Way Agreement between the County
 024 Pipeline Crossing County Right of Way Agreement between the County
 025 Pipeline Crossing Agreement dated March 17, 2006 between CSX Transportation
 026 Pipeline Crossing Agreement dated May 8, 2006 between CSX Transportation
 027 Encroachment Agreement dated June 23, 2006 between the Township of St. Clair
 028 Consent Agreement dated December 22, 2006 between Air Liquide Canada Inc
 029 Consent and Agreement dated 2006 from PricewaterhouseCoopers Inc
 030 TransCanada PipeLines Limited Crossing Agreement dated June 26, 2006
 031 Union Gas Crossing Agreement dated June 21, 2006, regarding new Gas Pipeline
 032 Encroachment Agreement with Township of St. Clair for the gas pipeline
 033 Union Gas Crossing Agreement dated May 24, 2006, pertaining to the 100 foot
 034 Encroachment Agreement with the Township of St. Clair
 035 St. Clair Conservation Authority approval regarding installation of temporary

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

☐ Yes ☒ No

(d) Has the applicant secured financing?

☒ Yes ☐ No

If yes, please provide particulars.

Still managing its ongoing relationships with banks.

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 "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.

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

2.3 km owner 230kv transmission line (s) dual-circuit designated L37 & L38 and terminating in Lampton TS

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

☒ Yes ☐ No

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

☒ Yes ☐ No

(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.

[greenfield-diagram.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.

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.