



Case Number: 14-1736-EL-REN

A. Generating Facility

Name of Renewable Generating Facility: Merrell Bros., Inc.

The name specified will appear on the facility's certificate of eligibility issued by the Public Utilities Commission of Ohio.

Facility Location

Street Address: 4251 West Vermont Street

City: Indianapolis **State:** IN **County:** Marion **Zip Code:** 46222

Facility Latitude and Longitude

Latitude: 39.769594 **Longitude:** -86.231541

There are internet mapping tools available to determine the latitude and longitude, if you do not have this information.

If applicable, U.S. Department of Energy, Energy Information Administration Form EIA-860 Plant Name and Plant Code.

EIA-860 Plant Name: n/a

EIA Plant Code: n/a

B. Legal Name of the Facility Owner

Please note that the facility owner name listed will be the name that appears on the certificate.

The address provided in this section is where the certificate will be sent.

If the facility has multiple owners, please provide the following information for each on additional sheets.

Legal Name of the Facility Owner: Merrell Bros., Inc.

Legal Name of Facility Owner Representative: Terry Merrell

Title: Chief Financial Officer

Organization: Merrell Bros., Inc.

Street Address: 8811 West 500 North

City: Kokomo **State:** IN **Zip Code:** 46901

Phone: 574-699-7782 **Fax:** 574-699-7478

Email Address: terry@merrellbros.com

Web Site Address (if applicable): www.merrellbros.com

C. List the name, address, telephone number and web site address under which the Applicant will do business in Ohio

Legal Name of Facility Owner Representative: Joan M Soller

Title: Director, Resource Planning

Organization: Indianapolis Power & Light Company

Street Address: One Monument Circle

City: Indianapolis **State:** IN **Zip Code:** 46204

Phone: 317-261-5403 **Fax:** 317-261-5054

Email Address: joan.soller@aes.com

Web Site Address (if applicable): www.IPLpower.com

D. Name of Generation Facility Operating Company

Name of Generation Facility Operating Company: Merrell Bros., Inc.

Legal Name of Contact Person: Terry Merrell

Title: Chief Financial Officer

Organization: Merrell Bros., Inc.

Street Address: 8811 West 500 North

City: Kokomo **State:** IN **Zip Code:** 46901

Phone: 574-699-7782 **Fax:** 574-699-7478

Email Address: terry@merrellbros.com

Web Site Address (if applicable): www.merrellbros.com

E. Regulatory/Emergency Contact

Legal Name of Contact Person: Blake Merrell

Title: Project Consultant

Organization: Merrell Bros., Inc.

Street Address: 8811 North 500 West

City: Kokomo **State:** IN **Zip Code:** 46901

Phone: 765-438-5299 **Fax:** 765-252-8220

Email Address: blake@merrellbros.com

Web Site Address (if applicable): www.merrellbros.com

F. Certification Criteria 1: Deliverability of the Generation into Ohio

Ohio Revised Code (ORC) Sec. 4928.64(B)(3)

The facility must have an interconnection with an electric utility.

Check which of the following applies to the facility's location:

No The facility is located in Ohio.

Yes The facility is located in a state geographically contiguous to Ohio (IN, KY, MI, PA, WV).

No The facility is located in the following state:

(If the renewable energy resource generation facility is not located in Ohio, Indiana, Kentucky, Michigan, Pennsylvania, or West Virginia, you are required to submit a POWER FLOW study by one of the regional transmission organizations (RTO) operating in Ohio, either PJM or Midwest ISO, demonstrating that the power from the facility is physically deliverable into the state of Ohio. This study must be appended to the application as an exhibit. THE FACILITY MUST BE INTERCONNECTED TO TRANSMISSION LINES. FOR ADDITIONAL INFORMATION ON DELIVERABILITY REQUIREMENTS, PLEASE REFER TO THE COMMISSION FINDING & ORDER of 3/23/11 IN CASE NO. 09-555-EL-REN.)

G. Certification Criteria 2: Qualified Resource or Technology

You should provide information for only one resource or technology on this application; please check and/or fill out only one of the sections below. If you are applying for more than one resource or technology, you will need to complete a separate application for each resource or technology.

G.1. For the resource or technology you identify in Sections G.4 - G.13 below, please provide a written description of the system.

The generation facility at Merrell Bros., Inc. 4251 West Vermont Street consists of a ground main array of 468 Mage 240/6L solar panels. There are two Fronius CL 48.0 kW inverters rated 277/480 V, 60 Hz for a total inverter generator capacity of 112,320 kW DC / 96.0 kW AC.

The three phase inverters are connected to the LA circuit breaker as shown on the single line drawing. The panel board is connected to the existing IPL pad mounted transformer through a revenue grade IPL meter.

G.2. Please include a detailed description of how the output of the facility is going to be measured and verified, including the configuration of the meter(s) and the meter type(s).

The three phase inverters are connected to the LA circuit breaker as shown on the single line drawing. The panel board is connected to the existing IPL pad mounted transformer through a revenue grade IPL meter. One revenue meter to monitor the inverter.

G.3. Please submit digital photographs that depict an accurate characterization of the renewable generating facility. Please indicate the date(s) the photographs were taken. For existing facilities, these photographs must be submitted for your application to be reviewed. For proposed facilities or those under construction, photographs will be required to be filed within 30 days of the on-line date of the facility.

LINE LOAD CONNECTION DIAGRAM

SEE FIG. 100

SINGLE LINE DIAGRAM

SEE FIG. 100

PANEL SCHEDULE

NO.	DESCRIPTION	LOCATION	DATE	BY
1	200V/240V TRANSFORMER	200V/240V	10/10/10	10/10/10
2	200V MAIN SWITCH	200V	10/10/10	10/10/10
3	100V LINE LOAD	100V	10/10/10	10/10/10
4	200V LINE LOAD	200V	10/10/10	10/10/10
5	240V LINE LOAD	240V	10/10/10	10/10/10
6	100V LINE LOAD	100V	10/10/10	10/10/10
7	200V LINE LOAD	200V	10/10/10	10/10/10
8	240V LINE LOAD	240V	10/10/10	10/10/10
9	100V LINE LOAD	100V	10/10/10	10/10/10
10	200V LINE LOAD	200V	10/10/10	10/10/10
11	240V LINE LOAD	240V	10/10/10	10/10/10
12	100V LINE LOAD	100V	10/10/10	10/10/10
13	200V LINE LOAD	200V	10/10/10	10/10/10
14	240V LINE LOAD	240V	10/10/10	10/10/10
15	100V LINE LOAD	100V	10/10/10	10/10/10
16	200V LINE LOAD	200V	10/10/10	10/10/10
17	240V LINE LOAD	240V	10/10/10	10/10/10
18	100V LINE LOAD	100V	10/10/10	10/10/10
19	200V LINE LOAD	200V	10/10/10	10/10/10
20	240V LINE LOAD	240V	10/10/10	10/10/10

The Applicant is applying for certification in Ohio for a facility using one of the following qualified resources or technologies (Sec. 4928.01 ORC):

G.4 SOLAR PHOTOVOLTAIC

G.4a Location of the PV Array: Ground

Description:

G.4b Total number of Modules: 468

G.4.1 PV Modules

For each PV module, provide the following information:

G.4.1.a Manufacturer: Mage

G.4.1.b Model and Rating: 240/6L; 15% Efficiency

H. Certification Criteria 3: Placed-in-Service Date (Sec. 4928.64. (A)(1) O.R.C.)

The Renewable Energy Facility:

No has a placed-in-service date before January 1, 1998; Date:

Yes has a placed-in-service date on or after January 1, 1998; Date: 11/6/13

No has been modified or retrofitted on or after January 1, 1998; Date:

Please provide a detailed description of the modifications or retrofits made to the facility that rendered it eligible for consideration as a qualified renewable energy resource. In your description, please include the date of initial operation and the date of modification or retrofit to use a qualified renewable resource. Please include this description as an exhibit attached to your application filing and identify the subject matter in the heading of the exhibit.

No Not yet online; projected in-service date:

H.1 Is the renewable energy facility owner a mercantile customer? No

ORC Sec. 4928.01 (19) "Mercantile customer" means a commercial or industrial customer if the electricity consumed is for nonresidential use and the customer consumes more than seven hundred thousand kilowatt hours per year or is part of a national account involving multiple facilities in one or more states.

Has the mercantile customer facility owner committed to integrate the resource under the provisions of Rule 4901:1-39-08 O.A.C? No

If yes, please insert/submit a copy of your approved application as an exhibit to this filing.

I. Facility Information

I.a The nameplate capacity of the entire facility kilowatts (kW): 112.32 (megawatts (MW): 0.11232)

I.b If applicable, what is the expected heat rate of resource used per kWh of net generation:
BTU/kWh

I.1 For each generating unit, provide the following information:

<u>Unit In-Service</u> <u>Date</u>	<u>Unit Nameplate</u> <u>Capacity (MW)</u>	<u>Projected Gross</u> <u>Annual Generation</u>	<u>Expected Annual</u> <u>Capacity Factor %</u>	<u>Number of</u> <u>Generating Units</u>
11/6/13	0.11232	122	12.4	1

$$\text{Capacity Factor \%} = \frac{\text{Projected Annual Generation}}{\text{Nameplate Capacity} \times 8,760} \times 100$$

J. Regional Transmission Organization Information

In which Regional Transmission Organization area is your facility located:

No Within Geographic Area of PJM Interconnection, L.L.C.

Yes Within Geographic Area of Midwest ISO

No Other (specify):

K. Attribute Tracking System Information

Are you currently registered with an attribute tracking system: Yes

In which attribute tracking system are you currently registered or in which do you intend to register (*the tracking system you identify will be the system the PUCO contacts with your eligibility certification*):

No GATS (Generation Attribute Tracking System)

Yes M-RETS (Midwest Renewable Energy Tracking System)

Other (specify):

K.1 Enter the generation ID number you have been assigned by the tracking system: M918

(If the generation ID number has not yet been assigned, you will need to file this number in the PUCO Case Docket within 15 days of the facility receiving this number from the tracking system).

K.2 Has any of the generation of the facility been tracked as RECS that have been sold or otherwise consumed? No

L. Other State Certification

Is the facility certified by another state as an eligible generating resource to meet the renewable portfolio standards of that state? No

L.1 If yes, for each state, provide the following information:

<u>Name of State</u>	<u>State Certification Agency</u>	<u>State Certification Number</u>	<u>Certification Date Issued</u>
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M. Type of Generating Facility

Please check all of the following that apply to the facility:

- No Utility Generating Facility:
- No Investor Owned Utility
- No Rural Electric Cooperative
- No Municipal System
- No Electric Services Company (competitive retail electric service provider certified by the PUCO)
- No Distributed Generation with a net metering and interconnection agreement with a utility.
Identify the Utility:
- No Distributed Generation with both on-site use and wholesale sales.
Identify the Utility:
- Yes Distributed Generation, interconnected without net metering.
Identify the Utility: PPA under Rate REP with Indianapolis Power & Light Company.
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N. Meter Specifications

Metering Requirements

- 1. If the renewable energy resource generating facility is 6 kW or below, the output may be measured with either an inverter meter or a utility grade meter.**
- 2. All facilities that are larger than 6 kW must measure the output of the facility with a utility grade meter. Facilities that are larger than 6 kW and that are not measuring output with a utility grade meter will not be certified. OAC 4901:1-40-04 (D)(1)**
- 3. Please only report on the meter or the meters used to measure the output from the facility which will be reported to the attribute tracking system.**

N.a The meter(s) that are measuring output from the facility are:

No Inverter Meter(s)

Yes Utility Grade Meter(s) (Must meet ANSI 12.1, or demonstrate an accuracy level of $\pm 2\%$)

N.1 Please provide the following information for each meter used in your system.

N.1.a Manufacturer: GE

N.1.b Serial Number: 50 133 119

N.1.c Type: Enhanced Power Supply FITZALL kV2c

N.1.d Date of Last Certification: October 09, 2013

Attach a photograph of the meter(s) with date image taken. The meter reading(s) must be clearly visible in the photograph.

N.1.e Report the total meter reading number at the time the photograph was taken and specify the appropriate unit of generation (e.g., kWh): 147 kWh

1/15/2014 12:00:00AM





Public Utilities Commission

Affidavit for Application for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility

Please be advised that all applicant's contact information, including address and telephone number, will be made public and is not subject to confidential treatment. Additionally, any information pertaining to trade secrets contained within the application will be made public unless filed under seal with a motion for protective order, pursuant to Rule 4901-1-24 of the Ohio Administrative Code.

Case Number: 14-1736-EL-REN

Facility Name: Merrell Bros., Inc.

Name of person making this affidavit: Terry Merrell

State of IN

County of Howard

The undersigned, being duly sworn according to law, deposes and says that:

1. I am authorized to and do hereby make this affidavit on behalf of the Applicant,
2. All facts and statements made in the application for certification, including all attachments and supplemental information or filings, are true and complete to the best of my knowledge, information, and belief,
3. The facility has obtained or will obtain and will maintain all required local, state, and federal environmental permits,
4. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Terry Merrell

_____, Chief Financial Officer
Signature of Affiant & Title

Sworn and subscribed before me this 13th day of OCTOBER, 2014 Month/Year

Lori Jackson

Notary

My commission expires on 11/22/2018



The Public Utilities Commission of Ohio reserves the right to verify the accuracy of the data reported to the tracking system and to the PUCO.

Version: June 3, 2013



October 28, 2014

Public Utilities Commission of Ohio
Energy & Environment Department
Efficiency & Renewables Division
Environmental Specialist
180 East Broad Street
Columbus, Ohio 43215

RE: Case No. 14-1736-EL-REN
Merrell Bros., Inc.
Application for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility

Indianapolis Power & Light Company ("IPL") respectfully submits the attached Application for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility on behalf of the Merrell Bros., Inc. solar facility. IPL is the owner of the S-RECs under the terms of the PPA with Merrell Bros., Inc., the facility owner. IPL is the business entity that will do business in Ohio. Should you have any questions pertaining to this application, please direct your inquiry to IPL:

Anita Johnson
Administrative Assistant
Indianapolis Power & Light Company
One Monument Circle
Indianapolis, IN 46204
anita.johnson@aes.com
phone: 317-261-6714
fax: 317-261-5054

The solar facility is located at 4251 West Vermont Street, Indianapolis, IN, 46222 and is owned and operated by Merrell Bros., Inc. It consists of 468 Mage 240/6L solar panels and has a nameplate capacity of 112.320 kW DC and 96.0 kW AC (as disclosed in Section G. Certification Criteria 2, G.1., written description of the system).

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Merrell Bros., Inc.

IPL has registered this facility with M-RETS and its M-RETS ID number is: M918.

I trust the application is complete and satisfactory. IPL and Merrell Bros., Inc., look forward to receiving certified status in the State of Ohio for the facility.

Sincerely,



Anita L. Johnson
Administrative Assistant

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

10/31/2014 3:15:57 PM

in

Case No(s). 14-1736-EL-REN

Summary: Application Merrell Bros., Inc. for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility electronically filed by Mrs. Anita L Johnson on behalf of Indianapolis Power & Light Company and Soller, Joan M Mrs. and Merrell Bros., Inc. and Merrell, Terry Mr.