Ohio | Public Utilities Commission

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

Case Number: 14-1670-EL-REN

A. Generating Facility

Name of Renewable Generating Facility: Indy Solar II LLC
The name specified will appear on the facility's certificate of eligibility issued by the Public Utilities Commission of Ohio.

Facility Location
Street Address: 10321 East Southport Road (SE)
City: Indianapolis **State:** IN **County:** Marion **Zip Code:** 46259

Facility Latitude and Longitude
Latitude: 39.66264 **Longitude:** -85.98544
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: Indy Solar II LLC
EIA Plant Code: 58556

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: Indy Solar II LLC
Legal Name of Facility Owner Representative: Gregg Crenshaw
Title: Manager, Renewable Energy
Organization: Indy Solar II LLC c/o Dominion Solar Holdings LLC
Street Address: 5000 Dominion Boulevard, 2NE
City: Glen Allen **State:** VA **Zip Code:** 23060
Phone: 804-273-4069 **Fax:** 804-273-2303
Email Address: gregg.crenshaw@dom.com
Web Site Address (if applicable): www.dom.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: Amec
Legal Name of Contact Person: David Schroeder
Title: O&M Site Manager
Organization: Amec
Street Address: 201 South Capital Avenue
City: Indianapolis **State:** IN **Zip Code:** 46225
Phone: 770-378-7991 **Fax:** 317-713-1710
Email Address: david.schroeder@amec.com
Web Site Address (if applicable): www.amec.com

E. Regulatory/Emergency Contact

Legal Name of Contact Person: Gregg Crenshaw
Title: Manager, Renewable Energy
Organization: Dominion Resources, Inc.
Street Address: 5000 Dominion Boulevard, 2NE
City: Glen Allen **State:** VA **Zip Code:** 23060
Phone: 804-273-4069 **Fax:** 804-273-2303
Email Address: gregg.crenshaw@dom.com
Web Site Address (if applicable): www.dom.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, PLASE 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 Indy Solar II, LLC generation facility is the south east solar facility located at 10321 East Southport Road, Indianapolis. IN. It consists of 14 SMA Sunny Central 720CP inverters rated at 324 volt wye 60Hz for a total inverter generation capacity of 13,851 MW DC / 10 MW AC. The ground array installation consists of 46,170 Jinko Solar JKM300P-72 PV solar modules.

The three phase inverters are connected to a 13.2 kV, 324 volt wye step up transformer. A neutral deriving transformer provides an effectively grounded system. The neutral deriving transformer protective circuitry interlocks with the inverters such that if the neutral deriving transformer is not connected the inverters will shut down. The transformers are then connected to a G&W Viper Producer controlled recloser. The Producer controlled recloser connects to a pad mounted metal enclosed unitized gear with IPL instrument transformers and isolating switch and fuses. This 13.2kV switch gear is S&C PMU. IPL revenue metering transformers mount in this primary gear. The switchgear connects to a pad mounted G&W recloser model VIPER-ST. The recloser connects to a visible lockable gang operated air break switch Hubbel model #D7 PS1 BL. This switch is the point of common coupling between the utility and the Producer.

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).

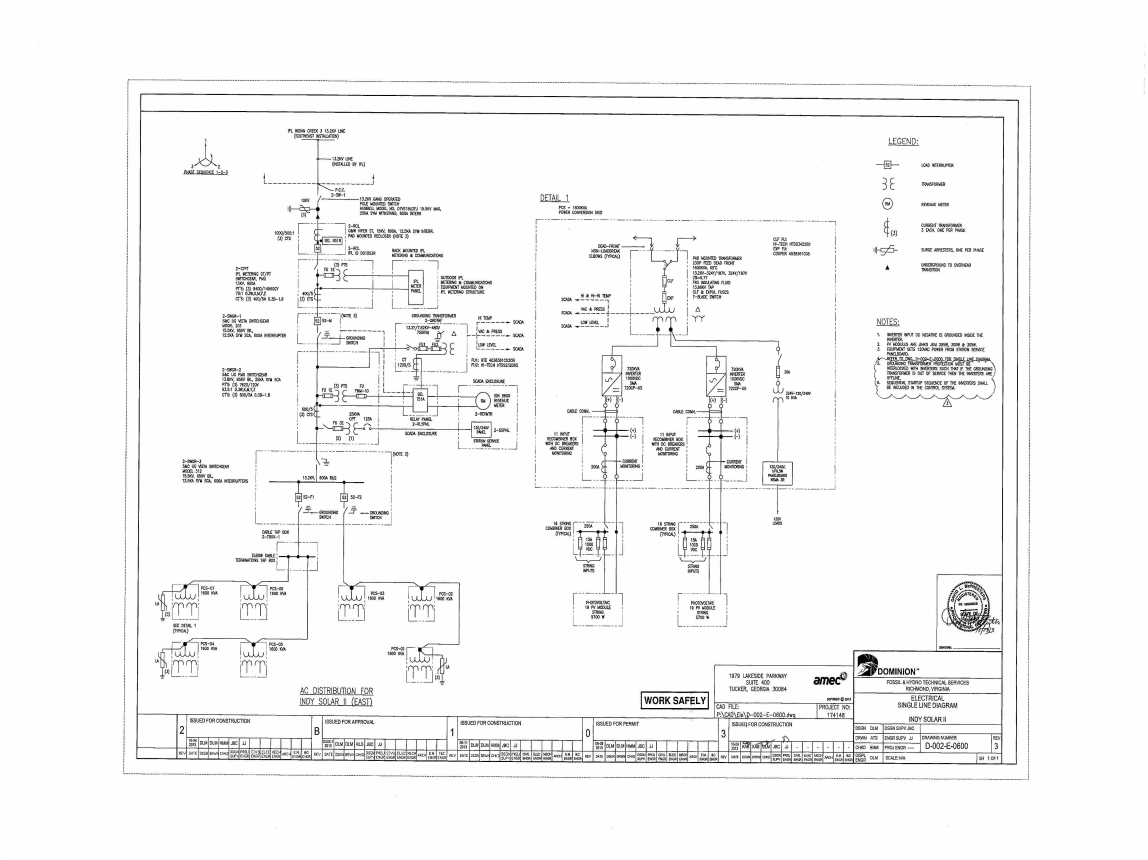
A series of devices have been installed by the Owner to create a suitable interface between the PV site and the IPL distribution system.

15 kV Pad-mounted Utility Metering Transformers: These metering transformers measure the production and consumption of electrical energy by the PV site. It connects to two watt-hour meters installed near this pad to record monthly energy consumption and real-time solar production. The metering data at the solar facility will be read by the centralized dSCADA application via wireless communication. The kW, kVAr, kWh, and kVArh information is packaged and sent to the Energy Control System (ECS) through an ICCP connection. The data gets transformed and placed into an Oracle database for Energy System Accounting purposes. Simultaneously, the information is placed in a format that Midcontinent Independent System Operator ("MISO") will dictate and placed on an ICCP connection to the offices of the MISO. IPL has installed its security padlocks at all accessible locations on this device.

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.

January 14, 2014

October 29, 2013



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: 46,170

G.4.1 PV Modules

For each PV module, provide the following information:
G.4.1.a Manufacturer: Jinko Solar
G.4.1.b Model and Rating: JKM300P-42; 15.46% 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: **12/12/13**

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): 10,000.00 **(megawatts (MW):** 10)

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:

Unit In-Service Date	Unit Nameplate Capacity (MW)	Projected Gross Annual Generation	Expected Annual Capacity Factor %	Number of Generating Units
12/12/13	10	15,000	17.1	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: M902
(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:

Name of State	State Certification Agency	State Certification Number	Certification Date Issued

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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.**

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 ± 2%)*

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

N.1.a Manufacturer: Jemstar

N.1.b Serial Number: 13-42-21198

N.1.c Type: Jemstar JS-09S 6110-C6

N.1.d Date of Last Certification: October 30, 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): 620.2 MWh

1/14/2014 12:00:00AM

Ohio | Public Utilities Commission

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

Please be advised that all applicant's contract 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: 14-1670-EL-REN

Facility Name: Indy Solar II LLC

Name of person making this affidavit: Gregg Crenshaw

State of VA
County of Henrico

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.

Signature of Affiant & Title, Manager, Renewable Energy

Sworn and subscribed before me this 21st day of October, 2014 Month/Year

Notary

My commission expires on 02/28/17

PAMELA M. GASSAWAY NOTARY PUBLIC REG # 7237708 COMMISSION EXPIRES 2/28/2017 COMMONWEALTH OF VIRGINIA

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. 14-1670-EL-REN
Indy Solar II LLC
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 Indy Solar II LLC facility. IPL is the owner of the S-RECs under the terms of the PPA with 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

Dominion Solar Holdings, LLC owns 100% of Indy Solar II, LLC and Amec operates the facility.

Indy Solar II LLC is located at 10321 East Southport Road, Indianapolis, IN 46259 and is the south east solar facility at this address. Like its sister site, this facility also consists of 46,170 Jinko Solar JKM300P-72 modules and has a nameplate capacity of 13.851 MW DC and 10 MW AC (as disclosed in Section G. Certification Criteria 2, G.1., written description of the system).

IPL has registered this facility with M-RETS and its M-RETS ID number is: M902.

I trust the application is complete and satisfactory. IPL and Indy Solar II, LLC look forward to receiving certified status in the State of Ohio for the facility.

Sincerely,

Anita L. Johnson
Administrative Assistant

Summary: Application Indy Solar II LLC for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility electronically filed by Mrs. Anita L Johnson on behalf of Indy Solar II LLC and Mr. Gregg Crenshaw and Indianapolis Power & Light Company and Soller, Joan M Mrs.