



September 12, 2014

Mark Bellamy
Public Utilities Commission of Ohio
Energy and Environment Department
Utility Specialist
Public Utilities Commission of Ohio
180 East Broad Street
Columbus, Ohio 43215

RE: Case No. 14-1034-EL-REN
Rockville Solar I LLC
Staff Interrogatories – Initial Set

Dear Mr. Bellamy:

Indianapolis Power & Light Company has received your inquiry regarding the August 6, 2014, Rockville Solar I LLC Application for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility and respectfully submits the following updated information and Solar Array Single Line drawing dated April 8, 2014, that supersedes the Interconnection Agreement information previously submitted:

Question 1: You state the inverter capacity is 2.8 MW (AC). The nameplate capacity of the entire facility in section 1.a should be the nameplate capacity based on the number and rating of the solar modules. **Is the DC nameplate capacity 3.094 MW (12,376 x 250W)?**

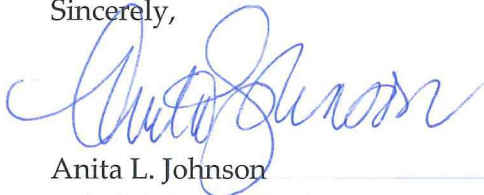
Answer 1: The DC nameplate capacity is 3.102 $([6,328 \times 260W] + [5,712 \times 255])$. A redline version of the application is provided with updates to items:

- G1. For the resource or technology you identify in Sections G.4-G.13 below, please provide a written description of the system.
- G.4b total number of Modules
- G.4.1b Model and Rating

Mr. Mark Bellamy
Public Utilities Commission of Ohio
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Page Two

Should you have any additional questions or concerns, please contact me by email at anita.johnson@aes.com or call (317)261-6714.

Sincerely,



Anita L. Johnson
Administrative Assistant

Attachments: Redline version of the application
Solar Array Single Line drawing dated April 8, 2014
e-mail inquiry dated September 9, 2014

Cc: Jeremy Chapman, General Manager, Rockville Solar I LLC c/o Melink Corporation
Rhonda Gatzke, Distributed Generation Project Coordinator, IPL
Joan Soller, Director, Resource Planning, IPL



Case Number: 14-1034-EL-REN

A. Generating Facility

Name of Renewable Generating Facility: Rockville Solar I 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: 7601 Rockville Road

City: Indianapolis **State:** IN **County:** Marion **Zip Code:** 46214

Facility Latitude and Longitude

Latitude: 39.763 **Longitude:** -86.301

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: Rockville Solar I LLC

EIA Plant Code: 58942

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: Rockville Solar I LLC

Legal Name of Facility Owner Representative: Donna Jones

Title: Chief Financial Officer

Organization: Rockville Solar I LLC c/o Melink Corporation

Street Address: 5140 River Valley Road

City: Milford **State:** OH **Zip Code:** 45150

Phone: 513-965-7309 **Fax:** 513-965-7354

Email Address: djones@melinkcorp.com

Web Site Address (if applicable): <http://www.melinkcorp.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: Donna Jones
Title: Chief Financial Officer
Organization: Rockville Solar I LLC c/o Melink Corporation
Street Address: 5140 River Valley Road
City: Milford **State:** OH **Zip Code:** 45150
Phone: 513-965-7309 **Fax:** 513-965-7354
Email Address: djones@melinkcorp.com
Web Site Address (if applicable): <http://www.melinkcorp.com/>

D. Name of Generation Facility Operating Company

Name of Generation Facility Operating Company: Rockville Solar I LLC
Legal Name of Contact Person: Jeremy Chapman
Title: General Manager
Organization: Rockville Solar I LLC c/o Melink Corporation
Street Address: 5140 River Valley Road
City: Milford **State:** OH **Zip Code:** 45150
Phone: 513-965-7349 **Fax:** 513-965-7354
Email Address: jchapman@melinkcorp.com
Web Site Address (if applicable): www.melinkcorp.com

E. Regulatory/Emergency Contact

Legal Name of Contact Person: Jeremy Chapman
Title: General Manager
Organization: Rockville Solar I LLC c/o Melink Corporation
Street Address: 5140 River Valley Road
City: Milford **State:** OH **Zip Code:** 45150
Phone: 513-965-7349 **Fax:** 513-965-7354
Email Address: jchapman@melinkcorp.com
Web Site Address (if applicable): <http://www.melinkcorp.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 for the facility consists of five Solectia SGI 500 480 volt 60 Hz inverters and one Solectia SGI 300 480 volt 60 Hz inverter for a total inverter generation capacity of 2.8 MW (AC). The array consists of ~~12,376 DC solar panels using REC 250PE-BLK solar modules.~~ 12,040 DC panels; of which 6,328 modules are REC260PE-BLK on the northern three inverters and 5,712 modules are REC255PE-BLK on the three southern inverters.

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).

Each of the three phase inverters is connected to pad mounted switchgear, delta wye transformer with the wye side toward the utility and a main breaker. These main breakers are connected to a pad mounted metal enclosed unitized gear with utility company instrument transformers and isolating switch and fuses. This 13.2kV switch gear is S&C PMU. Company revenue metering will mount in this primary gear. The recloser will connect to a visible lockable gang operated air break switch Hubbel model #D7 PS1 BL. This switch will be the point of common coupling between the utility and the Producer.

The output of the facility will be measured in MW and verified through the registered reading and manually downloaded every month.

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.



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: ~~12,376~~ 12,040

G.4.1 PV Modules

For each PV module, provide the following information:

G.4.1.a Manufacturer: REC

G.4.1.b Model and Rating: ~~REC250PE-BLK 15.8% Efficiency~~ 6,328-EC260PE-BLK 15.8% Efficiency; 5,712-REC255PE-BLK 15.5% 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: 4/9/14

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): 2,800.00 (megawatts (MW): 2.8)

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> |
|---------------------------------------|---|--|--|---|
| 4/9/14 | 2.8 | 4,194 | 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: M896

(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> |
|----------------------|-----------------------------------|-----------------------------------|----------------------------------|
|----------------------|-----------------------------------|-----------------------------------|----------------------------------|

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)
- Yes Distributed Generation with a net metering and interconnection agreement with a utility.
Identify the Utility: Indianapolis Power & Light Company
- No Distributed Generation with both on-site use and wholesale sales.
Identify the Utility:
- No Distributed Generation, interconnected without net metering.
Identify the Utility:
-

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: Jemstar

N.1.b Serial Number: 13 42 21195

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): 2,310 MW

4/23/2014 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 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: 14-1034-EL-REN

Facility Name: Roseville Solar I

Name of person making this affidavit: Donna Jones

State of Ohio
County of Clermont

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.

 _____, Chief Financial Officer
Signature of Attorney & Title

Sworn and subscribed before me this 6th day of August, 2014 Month/Year

Notary



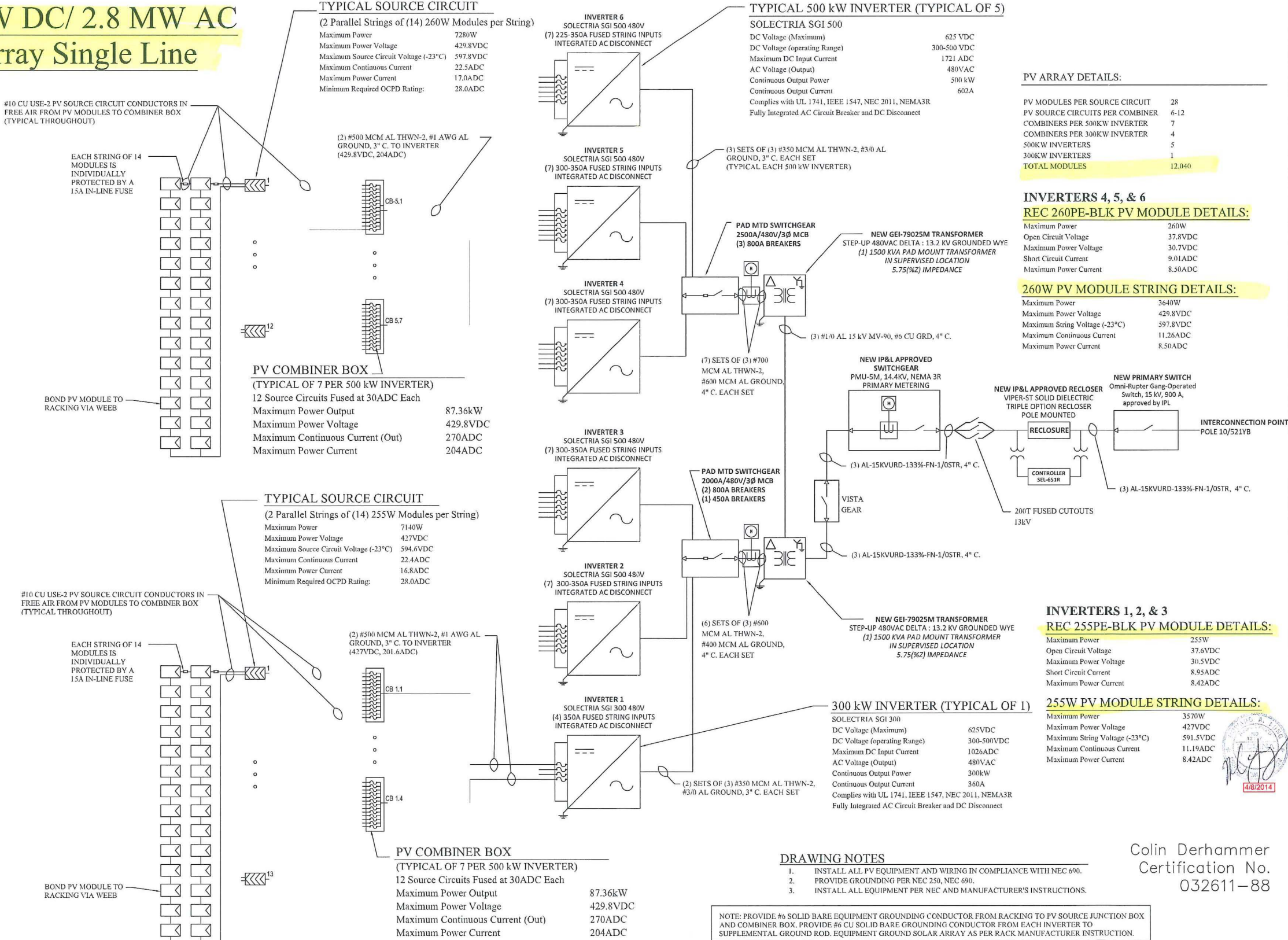
My commission expires on _____ KAREN VOSS
Notary Public, State of Ohio
My Commission Expires 04-18-2016

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

3102 kW DC/ 2.8 MW AC
Solar Array Single Line

NTS



TITLE:

SINGLE LINE



PROJECT: REKNORD
7601 ROCKVILLE ROAD
INDIANAPOLIS, IN 46214

DRAWN BY: CED 08-22-2012
APPROVER:

REVISIONS:
CED 08-15-2013
CED 11-19-2013
CED 1-24-2014
CED 04-04-2014



SHEET:

E2

JOB: 11800

From: Jeremy Chapman [<mailto:jchapman@melinkcorp.com>]

Sent: Tuesday, September 09, 2014 2:12 PM

To: Rhonda Gatzke

Subject: FW: PUCO 14-1034-EL-REN Rockville Solar I LLC

Rhonda

Please see below.

Jeremy Chapman, LEED AP
General Manager, Melink Solar

Melink Corporation

P: 513-965-7349

F: 513-965-7350

www.melinkcorp.com



From: Bellamy, Mark [<mailto:Mark.Bellamy@puc.state.oh.us>]

Sent: Tuesday, September 09, 2014 9:48 AM

To: Jeremy Chapman

Subject: RE: PUCO 14-1034-EL-REN Rockville Solar I LLC

Dear Jeremy Chapman:

Hello. I am sending you questions related to the review of your Application for Certification as an Ohio Renewable Energy Resource Generating Facility. The responses to these questions will make it possible for Commission Staff to perform a comprehensive and timely review of your application. Please file your responses in the PUCO [Docketing Information System](#) under case number 14-1034-EL-REN. Feel free to copy and paste the questions into a word document, and save the file as a PDF, in order to provide your answers and/or photos for the purpose of e-filing the document.

Save the document as a PDF.

Then go to following website: <http://dis.puc.state.oh.us/>

Then

- Click on subscribe and e-file
- Log-in
- Click on E-File a document
- Choose your case number, add it, and click continue
- Choose the parties for the filing, and click continue
- Select type of document, Reply
- Complete the summary, click continue
- Choose your PDF document
- Add File, click continue
- Submit Filing

The application will be approved 60 days after the date the application and affidavit were submitted, unless it is suspended or denied by the commission, therefore please submit your responses within 5 business days to avoid the case being suspended. Make sure that you file/title your responses as 'reply to staff inquiries'. If you have any questions, please feel free to reply to this email or call (614)644-8295.

Thank you.

**Case No. 14-1034-EL-REN
Rockville Solar I LLC
Staff Interrogatories – Initial Set**

Question 1: You state the inverter capacity is 2.8 MW (AC). The nameplate capacity of the entire facility in section 1.a should be the nameplate capacity based on the number and rating of the solar modules. Is the DC nameplate capacity 3.094 MW (12,376 x 250W)?

Answer 1: <insert answer here>

Sincerely,

Mark Bellamy

Public Utilities Commission of Ohio
Energy and Environment Department
Utility Specialist
(614) 644-8295

PUCO.ohio.gov



[Sign up](#) to receive renewable and advanced energy portfolio standard email notifications

This message and any response to it may constitute a public record and thus may be publicly available to anyone who requests it.

From: Jeremy Chapman [<mailto:jchapman@melinkcorp.com>]

Sent: Wednesday, August 20, 2014 9:34 AM

To: Bellamy, Mark

Subject: Automatic reply: PUCO 14-1034-EL-REN Rockville Solar I LLC

Hello,

I will be out of the office starting Wednesday, August 20, returning Monday, August 25. During this time I will have limited access to my email during the day. If you require immediate attention please contact me on my cell phone @ (513) 432-4979.

Otherwise I will reply at my next opportunity.

Best regards,

Jeremy Chapman, LEED AP
General Manager, Melink Solar
Melink Corporation
513-965-7349
513-965-7354
jchapman@melinkcorp.com

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

9/12/2014 3:11:41 PM

in

Case No(s). 14-1034-EL-REN

Summary: Response Reply to Staff Inquiries: Staff Interrogatories - Initial Set Dated September 9, 2014 electronically filed by Mrs. Anita L Johnson on behalf of Soller, Joan M Mrs. and Jones, Donna