



Case No.: 11-0023-EL-REN

A. Name of Renewable Generating Facility: Wright Solar - R. Wright

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

Facility Location

Street Address: 10 Marlin Way
City: Downingtown State: PA Zip Code: 19335

Facility Latitude and Longitude

Latitude: 40.051023 Longitude: -75.747095
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:

EIA Plant Code:

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: Randall A. Wright
Legal Name of Facility Owner Representative (First Name, MI, Last Name): Randall A. Wright
Title: Owner
Organization:
Street Address: 10 Marlin Way
City: Downingtown State: PA Zip Code: 19335
Phone: 484-225-6069 Fax:
Email Address: rnnw@verizon.net
Web Site Address:

**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 (First Name, MI, Last Name): Randall A. Wright  
Title: Owner  
Organization:  
Street Address: 10 Marlin Way  
City: Downingtown State: PA Zip Code: 19335  
Phone: 484-225-6069 Fax:  
Email Address: rnmw@verizon.net  
Web Site Address:

**D. Name of Generation Facility Operating Company:**

Name of Generation Facility Operating Company: Wright Solar - R. Wright  
Legal Name of Contact Person (First Name, MI, Last Name): Randall A. Wright  
Title: Owner  
Organization:  
Street Address: 10 Marlin Way  
City: Downingtown State: PA Zip Code: 19335  
Phone: 484-225-6069 Fax: Email Address: rnmw@verizon.net  
Web Site Address (if applicable):

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**E. Regulatory/Emergency contact**

Legal Name of Contact Person (First Name, MI, Last Name): Brad Bowery  
Title: CEO  
Organization: SRECTrade  
Street Address: 1517 N. Point St. #414  
City: San Francisco State: CA Zip Code: 94123  
Phone: 757-559-1580 Fax: 732-453-0065  
Email Address: lisa.wadsworth@srectrade.com  
Web Site Address: www.srectrade.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 (Indiana, Kentucky, Michigan, Pennsylvania, or West Virginia).

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 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. The study may be conducted by someone other than the RTO provided that the RTO approves the study. This study must be appended to the application as an exhibit.*

## **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 facility is ground mounted.

Modules: 44 Solar World SW230Mono

Inverters: 44 Enphase Energy M190-72-240

Orientation: 180 degrees Tilt: 39 degrees

**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 facility has 1 Schlumberger Centron Type C1S 30TA utility grade meter.

**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** Total PV Capacity (DC): 10,120.0000

**G.4b** Total PV Capacity (AC): 8,096.0000

**G.4c** Expected Capacity Factor: 0.1313

*Capacity factor is the ratio of the energy produced to the maximum possible at full power, over a given time period. Capacity factor may be calculated using this formula:*

*Projected annual gross generation (kWh or MWh) **divided by** [the nameplate capacity (in kW or MW) **times** 8760]*

**G.4d** Anticipated annual output in kWh/yr: 11,638.0000

**G.4e** Location of the PV array: Yes Roof No Ground No Other

Description:

**G.4f** Total number of Modules and/or size of the array: 44

**G.4.1 PV Modules**

For each PV module, provide the following information:

**G.4.1.a** Manufacturer: Solar World USA

**G.4.1.b** Model and Rating: SW230 mono, 230 watts

**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; (month/day/year):

Yes has a placed-in-service date on or after January 1, 1998; (month/day/year): 10/6/10

No has been modified or retrofitted on or after January 1, 1998; (month/day/year):

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 (month/day/year):

**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 in megawatts (MW): 0.0101

**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>
10/6/10	0.0101	11.6380	13.1300	1

## J. Regional Transmission Organization Information

In which Regional Transmission Organization area is your facility located:

Yes Within Geographic Area of PJM Interconnection, L.L.C.

No Within Geographic Area of Midwest ISO

No Other (specify):

## K. Attribute Tracking System Information

Are you currently registered with an attribute tracking system: No

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*):

Yes GATS (Generation Attribute Tracking System)

No M-RETS (Midwest Renewable Energy Tracking System)

Other (specify):

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

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

## 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>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)

Yes Distributed Generation with a net metering and interconnection agreement with a utility.  
Identify the utility: PECO

No Distributed Generation with both on-site use and wholesale sales.  
Identify the utility with which the facility is interconnected:

No Distributed Generation, interconnected without net metering.  
Identify the utility with which the facility is interconnected:

## **N. Meter Specifications**

### **Metering Requirements**

*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.*

*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)*

*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)

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

**N.1.a** Manufacturer: Schlumberger Centron

**N.1.b** Serial Number: 45458624

**N.1.c** Type: C1S 30TA

**N.1.d** Date of Last Certification: October 06, 2010

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): 00218 kWh

October 06, 2010



**O. Start date from which the facility may begin reporting generation towards the creation of Renewable Energy Credits (RECs)**

The start date from which an attribute tracking system will begin to count generation data toward the creation of renewable energy credits will be the date of certificate issuance in the state of Ohio, unless the facility satisfies one of the criterion established in the Commission's June 17, 2009 Entry on Rehearing issued in Case No. 08-888-EL-ORD.

In that Entry, the Commission found it to be appropriate to recognize the creation of RECs back to July 31, 2008, the date in which the Ohio alternative energy portfolio standard law became effective, provided that "The facility was a participant in an existing attribute tracking system during that time or had a meter in place which can accurately demonstrate generation levels from July 31, 2008 forward." (June 17, 2009 Entry on Rehearing at 34.)

(1) Existing attribute tracking system:

- a. For facilities that are currently participating in an attribute tracking system, it is not sufficient to merely be registered with the tracking system; you also must be reporting generation data.
- b. If the facility was a participant in an existing attribute tracking system, please state the specific start date that will be used to recognize historical RECs.

(2) Meter which can accurately demonstrate generation levels from July 31, 2008:

- a. For facilities which have had a meter in place, accurately demonstrating generation levels must include documentation from an electric remote monitoring and reporting system, from the specified start date, and recorded on at least a monthly basis.
- b. If the facility had a meter that accurately demonstrates generation levels, please state the specific start date, and attach documentation from the remote monitoring and reporting system.

If the facility was a participant in an existing attribute tracking system, please state the specific start date, in accordance with the tracking system's rules, that will be used to recognize historical RECs:

If the facility had a meter that accurately demonstrates generation levels, please state the specific start date, and below insert documentation from the remote monitoring and reporting system:

October 06, 2010

Also, in the Commission's Entry on Rehearing, the Commission explained that consistent with its policy on double counting, the Commission "will not retroactively recognize any past RECs which have been sold or otherwise consumed." (June 17, 2009 Entry on Rehearing at34.)

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



## System Energy Production

Generated for Suntricity Power

on

01/04/2011

### Wright Installation

Downingtown, PA

This report summarizes the daily energy production of the system from 10/06/2010 to 01/03/2011.

Date/Time	Energy Produced (Wh)
10/06/2010	747.17
10/07/2010	12658.5
10/08/2010	48240.66
10/09/2010	45983.89
10/10/2010	44282.9
10/11/2010	41396.11
10/12/2010	46492.25
10/13/2010	64903.27
10/14/2010	7610.53
10/15/2010	50042.9
10/16/2010	62519.86
10/17/2010	57386.46
10/18/2010	39793.51
10/19/2010	26265.3
10/20/2010	21653.51
10/21/2010	46220.5
10/22/2010	56127.25
10/23/2010	54824.84
10/24/2010	43870.14
10/25/2010	30955.19
10/26/2010	8982.02
10/27/2010	5289.61

10/28/2010	54656.41
10/29/2010	30659.79
10/30/2010	41652.67
10/31/2010	36266.65
11/01/2010	61169.32
11/02/2010	60485.7
11/03/2010	57220.46
11/04/2010	2450.37
11/05/2010	16110.47
11/06/2010	49780.01
11/07/2010	52877.32
11/08/2010	40358.73
11/09/2010	56294.01
11/10/2010	50405.07
11/11/2010	58284.85
11/12/2010	57758.18
11/13/2010	55442.25
11/14/2010	38837.72
11/15/2010	17279.56
11/16/2010	3340.68
11/17/2010	37222.44
11/18/2010	30083.34
11/19/2010	30837.62
11/20/2010	28687.99
11/21/2010	37081.38
11/22/2010	20989.39
11/23/2010	12096.54
11/24/2010	45979.61
11/25/2010	2871.77
11/26/2010	5985.09
11/27/2010	33635.73
11/28/2010	52343.83

11/29/2010	50293.13
11/30/2010	4512.34
12/01/2010	4497.98
12/02/2010	34183.86
12/03/2010	26942.3
12/04/2010	27377.62
12/05/2010	39507.07
12/06/2010	22554.41
12/07/2010	28810.96
12/08/2010	37143.29
12/09/2010	36841.8
12/10/2010	9679.17
12/11/2010	29349.81
12/12/2010	2242.02
12/13/2010	34392.68
12/14/2010	22144.67
12/15/2010	29232.47
12/16/2010	6893.3
12/17/2010	26494.29
12/18/2010	28356.09
12/19/2010	22219.54
12/20/2010	31520.6
12/21/2010	50853.98
12/22/2010	24707.06
12/23/2010	44207.88
12/24/2010	50625.74
12/25/2010	7407.52
12/26/2010	4390.42
12/27/2010	41632.75
12/28/2010	51965.89
12/29/2010	42032.29
12/30/2010	29188.55
12/31/2010	28346.33

1/4/2011

Enphase Energy - Enlighten | Wright I...

01/01/2011	23164.13
01/02/2011	5636.55
01/03/2011	52292.51
<b>Total</b>	<b>3007032.35</b>

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Case No.: 11-0023-EL-REN

AFFIDAVIT

State of VA:

Chesapeake ss. (Town)

County of Chesapeake :

Brad Bowery, Affiant, being duly sworn/affirmed according to law, deposes and says that:

- 1. I am the duly authorized representative of Wright Solar - R. Wright.
2. I have personally examined and am familiar with all information contained in the foregoing application, including any exhibits and attachments, and that based upon my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.
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: [Handwritten Signature], CEO, SRECTrade

LISA CHRISTINA WADSWORTH NOTARY PUBLIC REGISTRATION # 7309276 COMMONWEALTH OF VIRGINIA MY COMMISSION EXPIRES JANUARY 31, 2014

Sworn and subscribed before me this 4th day of January, 2014 Month/Year

Signature of official administering oath

Print Name and Title: Lisa Chadworth, Notary Public

My commission expires on 1/31/2014

***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: September 13, 2010

“Note to applicants: please remember to file the required affidavit along with the application, or the application will be rejected by the PUCO Docketing Division. The affidavit form is available here: <http://www.puco.ohio.gov/PUCO/Forms/Form.cfm?id=9464>”

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**1/4/2011 9:52:08 AM**

**in**

**Case No(s). 11-0023-EL-REN**

Summary: Application Wright Solar - R Wright electronically filed by Mr. Brad Bowery on behalf of Mr. Randall Wright