



Case No.: 12-0617-EL-REN

A. Name of Renewable Generating Facility: Angstadt, Robert Residence - R Angstadt

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

Facility Location

Street Address: 329 22nd St. NW

City: Massillon State: OH County: Stark Zip Code: 44647

Facility Latitude and Longitude

Latitude: 40.79394 Longitude: -81.549875

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: Robert Angstadt

Legal Name of Facility Owner Representative (First Name, MI, Last Name): Robert Angstadt

Title: Owner

Organization:

Street Address: 329 22nd St. NW

City: Massillon

State: OH

Zip Code: 44647

Phone: 330-833-1928

Fax:

Email Address: No Email Address- Must Call

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): Robert Angstadt
Title: Owner
Organization:
Street Address: 329 22nd St. NW
City: Massillon State: OH Zip Code: 44647
Phone: 330-833-1928 Fax:
Email Address: No Email Address- Must Call
Web Site Address:

D. Name of Generation Facility Operating Company:

Name of Generation Facility Operating Company: Robert Angstadt
Legal Name of Contact Person (First Name, MI, Last Name): Robert Angstadt
Title: Owner
Organization:
Street Address: 329 22nd St. NW
City: Massillon State: OH Zip Code: 44647
Phone: 330-833-1928 Fax: Email Address: No Email Address- Must Call
Web Site Address (if applicable):

E. Regulatory/Emergency contact

Legal Name of Contact Person (First Name, MI, Last Name): Brad Bowery
Title: CEO
Organization: SRECTrade, Inc.
Street Address: 1100 Cedar Rd. Ste B #107
City: Chesapeake State: VA Zip Code: 23322
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:

Yes The facility is located in Ohio.

No 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 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.

Roof mounted behind the meter solar photovoltaic facility.

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 Enphase Envoy EMU inverter meter that will be used to report production to GATS.

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 27, 2012



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: Yes Roof No Ground No Other

Description:

G.4b Total number of Modules: 10

G.4.1 PV Modules

For each PV module, provide the following information:

G.4.1.a Manufacturer: REC Solar

G.4.1.b Model and Rating: REC 220 PE at 220 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): 8/18/11

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 kilowatts (kW): 2.20 or in megawatts (MW): 0.0022

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>
8/18/11	0.0022	2.53	13.1	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:

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 file this number in the PUCO Case Docket 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>
----------------------	-----------------------------------	---	--------------------

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: Ohio Edison

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:

Y Inverter Meter(s)

N 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: Enphase Energy

N.1.b Serial Number: NA

N.1.c Type: Envoy EMU

N.1.d Date of Last Certification: August 18, 2011

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): 385 kWh

November 03, 2011



O. Start date from which applicant requests to begin reporting generation towards the creation of Renewable Energy Credits (RECs) for Ohio's purposes

The start date from which an attribute tracking system will begin to count generation data toward the creation of renewable energy credits for Ohio's purposes will be the date of certificate issuance in the state of Ohio (i.e. generation prior to the date of certification would not be recognized), 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.

Note: An application that leaves section O blank, or does not include the required documentation, will be assigned a start date for Ohio that corresponds with the date of Ohio certification.

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:
August 18, 2011

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 at 34.)

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



Site Energy Production

Generated for Steve Koblarcsik
on 02/10/2012

Angstadt Roof Mount Massillon, OH

This report summarizes the daily energy production of the system from 08/18/2011 to 02/09/2012.

Date/Time	Energy Produced (Wh)
08/18/2011	1,764
08/19/2011	8,851
08/20/2011	8,896
08/21/2011	6,079
08/22/2011	9,179
08/23/2011	8,573
08/24/2011	7,674
08/25/2011	8,671
08/26/2011	7,804
08/27/2011	9,223
08/28/2011	8,092
08/29/2011	8,674
08/30/2011	8,887
08/31/2011	7,109
09/01/2011	5,760
09/02/2011	8,518
09/03/2011	8,378
09/04/2011	3,304
09/05/2011	3,255
09/06/2011	4,266
09/07/2011	1,861
09/08/2011	4,455
09/09/2011	4,885
09/10/2011	6,553
09/11/2011	7,310
09/12/2011	7,979
09/13/2011	8,703

09/14/2011	6,222
09/15/2011	3,100
09/16/2011	6,241
09/17/2011	6,287
09/18/2011	8,413
09/19/2011	1,429
09/20/2011	4,971
09/21/2011	4,254
09/22/2011	7,038
09/23/2011	1,576
09/24/2011	5,306
09/25/2011	4,514
09/26/2011	1,718
09/27/2011	6,177
09/28/2011	6,596
09/29/2011	2,358
09/30/2011	2,226
10/01/2011	1,294
10/02/2011	3,066
10/03/2011	1,132
10/04/2011	3,628
10/05/2011	5,680
10/06/2011	5,657
10/07/2011	5,555
10/08/2011	5,466
10/09/2011	5,835
10/10/2011	4,271
10/11/2011	3,350
10/12/2011	646
10/13/2011	3,830
10/14/2011	3,984
10/15/2011	4,237
10/16/2011	2,211
10/17/2011	6,118
10/18/2011	3,245
10/19/2011	591
10/20/2011	1,196
10/21/2011	1,402
10/22/2011	5,998
10/23/2011	5,525
10/24/2011	1,782
10/25/2011	5,683

10/26/2011	1,554
10/27/2011	1,118
10/28/2011	3,411
10/29/2011	5,176
10/30/2011	5,332
10/31/2011	2,461
11/01/2011	5,310
11/02/2011	5,395
11/03/2011	4,090
11/04/2011	5,923
11/05/2011	6,085
11/06/2011	6,078
11/07/2011	2,474
11/08/2011	5,714
11/09/2011	1,805
11/10/2011	4,810
11/11/2011	4,192
11/12/2011	6,263
11/13/2011	2,535
11/14/2011	2,043
11/15/2011	1,153
11/16/2011	929
11/17/2011	4,243
11/18/2011	6,392
11/19/2011	4,894
11/20/2011	1,203
11/21/2011	1,143
11/22/2011	429
11/23/2011	1,360
11/24/2011	3,423
11/25/2011	5,905
11/26/2011	4,511
11/27/2011	747
11/28/2011	1,126
11/29/2011	943
11/30/2011	2,374
12/01/2011	3,624
12/02/2011	2,697
12/03/2011	5,434
12/04/2011	3,518
12/05/2011	515

12/06/2011	649
12/07/2011	455
12/08/2011	4,957
12/09/2011	1,907
12/10/2011	5,261
12/11/2011	5,982
12/12/2011	5,361
12/13/2011	3,915
12/14/2011	846
12/15/2011	479
12/16/2011	2,445
12/17/2011	1,243
12/18/2011	2,219
12/19/2011	1,067
12/20/2011	705
12/21/2011	1,210
12/22/2011	794
12/23/2011	745
12/24/2011	2,990
12/25/2011	4,620
12/26/2011	5,768
12/27/2011	395
12/28/2011	3,492
12/29/2011	1,937
12/30/2011	1,821
12/31/2011	425
01/01/2012	1,472
01/02/2012	2,261
01/03/2012	3,674
01/04/2012	1,036
01/05/2012	5,845
01/06/2012	5,887
01/07/2012	5,553
01/08/2012	4,575
01/09/2012	4,905
01/10/2012	5,881
01/11/2012	1,190
01/12/2012	525
01/13/2012	1,328
01/14/2012	1,090
01/15/2012	4,786
01/16/2012	1,769

01/17/2012	1,468
01/18/2012	3,434
01/19/2012	974
01/20/2012	3,866
01/21/2012	194
01/22/2012	3,807
01/23/2012	2,219
01/24/2012	460
01/25/2012	1,292
01/26/2012	561
01/27/2012	1,003
01/28/2012	1,483
01/29/2012	5,728
01/30/2012	4,090
01/31/2012	6,181
02/01/2012	5,390
02/02/2012	1,824
02/03/2012	6,796
02/04/2012	334
02/05/2012	5,965
02/06/2012	7,055
02/07/2012	2,090
02/08/2012	532
02/09/2012	6,254
Total	679,306

©2008-2012 Enphase Energy Inc. All rights reserved.



Public Utilities Commission

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

Case No.: 12-0617-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:

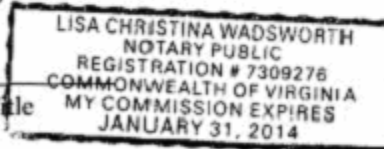
1. I am the duly authorized representative of Angstadt, Robert Residence - R Angstadt.
2. I have personally examined and am familiar with all information contained in the foregoing application, including any exhibits and attachments, and that based upon my inquiry of those persons immediately responsible 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.

B P B, CEO, SRECTrade
Signature of Affiant & Title

Sworn and subscribed before me this 10th day of February, 2012 Month/Year

Lisa Christina Wadsworth
Signature of official administering oath

Print Name and Title



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: June 15, 2011

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/10/2012 11:26:19 AM

in

Case No(s). 12-0617-EL-REN

Summary: Application Angstadt, Robert Residence - R Angstadt electronically filed by Mr. Brad Bowery on behalf of Mr. Robert Angstadt