Ohio | Public Utilities Commission

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

Case No.: _10___-_0930___-EL-REN

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

Facility Location
Street Address: 1000 Lane 101 McClish Lake
City: Hudson State: Indiana Zip Code: 46747

Facility Latitude and Longitude
Latitude: 41.541261 Longitude: -85.194112
There are internet mapping tools available to determine your 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. Name of the Facility Owner: Leslie Raymer
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 Contact Person (First Name, MI, Last Name): Leslie Raymer
Title:
Organization:
Street Address: 1000 Lane 101 McClish Lake
City: Hudson State: Indiana Zip Code: 46747
Country: USA
Phone: 260-622-6622 Fax: Email Address: lesraymer@comcast.net
Web Site Address (if applicable):

C. Name under which Facility Owner will do business in Ohio: Same as B

Legal Name of Contact Person (First Name, MI, Last Name):
Title:
Organization:
Street Address:
City: State: Zip Code:
Country:
Phone: Fax: Email Address:
Web Site Address (if applicable):

D. Name of Generation Facility Operating Company: Same as B
Legal Name of Contact Person (First Name, MI, Last Name):
Title:
Organization:
Street Address:
City: State: Zip Code:
Country:
Phone: Fax: Email Address:
Web Site Address (if applicable):

E. Contact person for regulatory or emergency matters
Legal Name of Contact Person (First Name, MI, Last Name): Brad Bowery
Title: CEO
Organization: SRECTrade
Street Address: 1517 North Point St. #414
City: San Francisco State: CA Zip Code: 94123
Country: USA
Phone: 866-466-4606 x110 Fax: 732-453-0065
Email Address: lisa.wadsworth@srectrade.com
Web Site Address (if applicable): 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 your facility's location:

__ The facility is located in Ohio.

X__ The facility is located in a state geographically contiguous to Ohio (Indiana, Kentucky, Michigan, Pennsylvania, or West Virginia).

__ 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 your 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 your 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 a roof mounted behind the meter residential photovoltaic system.

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 SMA America SB 6000 US inverter that will be used to measure the output that is reported to GATS.

G.3. Please attach 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.

Date photograph taken: 5/28/2010

INSERT PHOTOGRAPH(S)

The Applicant is applying for certification in Ohio based on the following qualified resource or technology (Sec. 4928.01 O.R.C.):

G.4 __ SOLAR PHOTOVOLTAIC

Total PV Capacity (DC): 5,000 watts
Total PV Capacity (AC): 3,850 watts
Expected Capacity Factor: 12.5%
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 generation (kWh or MWh) ***divided by [****the nameplate capacity (in kW or MW)* ***times*** *8760****]***

Anticipated Annual output in kWh/yr: 5482
Location of the PV array: _X Roof __ Ground __ Other
# of Modules and/or size of the array: 24

G.4a PV Modules
For each PV module, provide the following information:

Manufacturer: Kyocera
Model and Rating: Module number- KD210GX-LP Module rating-210 watts

G.5 __ SOLAR THERMAL (FOR ELECTRIC GENERATION)

G.6 __ WIND

Total Nameplate Capacity (kilowatts AC): or kW DC:
Expected Capacity Factor:
Anticipated Annual Output in kWh/yr or MWh/yr:
# of Generators:

G.6a Wind Generators
If your system includes multiple generators, please provide the following information for each unique generator you have in your system

Manufacturer:
Model Name and Number:
Generator Nameplate Capacity (kilowatts AC):
Wind Hub Height (ft):
Wind Rotor Diameter (ft):

G.7 __ HYDROELECTRIC ("hydroelectric facility" means a hydroelectric generating facility that is located at a dam on a river, or on any water discharged to a river, that is within or bordering this state or within or bordering an adjoining state (Sec. 4928.01(35) O.R.C.)

Check each of the following to verify that your facility meets each of the statutory standards (Sec. 4928.01(35) O.R.C.):

__ (a) The facility provides for river flows that are not detrimental for fish, wildlife, and water quality, including seasonal flow fluctuations as defined by the applicable licensing agency for the facility.

__ (b) The facility demonstrates that it complies with the water quality standards of this state, which compliance may consist of certification under Section 401 of the "Clean Water Act of 1977," 91 Stat. 1598, 1599, 33 U.S.C. 1341, and demonstrates that it has not contributed to a finding by this state that the river has impaired water quality under Section 303(d) of the "Clean Water Act of 1977," 114 Stat. 870, 33 U.S.C. 1313.

__ (c) The facility complies with mandatory prescriptions regarding fish passage as required by the Federal Energy Regulatory Commission license issued for the project, regarding fish protection for riverine, anadromous, and catadromus fish.

__ (d) The facility complies with the recommendations of the Ohio Environmental Protection Agency and with the terms of its Federal Energy Regulatory Commission license regarding watershed protection, mitigation, or enhancement, to the extent of each agency's respective jurisdiction over the facility.

__ (e) The facility complies with provisions of the "Endangered Species Act of 1973," 87 Stat. 884, 16 U.S.C. 1531 to 1544, as amended.

__ (f) The facility does not harm cultural resources of the area. This can be shown through compliance with the terms of its Federal Energy Regulatory Commission license or, if the facility is not regulated by that commission, through development of a plan approved by the Ohio Historic Preservation Office, to the extent it has jurisdiction over the facility.

__ (g) The facility complies with the terms of its Federal Energy Regulatory Commission license or exemption that are related to recreational access, accommodation, and facilities or, if the facility is not regulated by that commission, the facility complies with similar requirements as are recommended by resource agencies, to the extent they have jurisdiction over the facility; and the facility provides access to water to the public without fee or charge.

__ (h) The facility is not recommended for removal by any federal agency or agency of any state, to the extent the particular agency has jurisdiction over the facility.

G.7 .1 Is your facility currently certified by the Low-Impact Hydro Institute?

__ Yes

__ No

G.8 __ GEOTHERMAL

G.9__ SOLID WASTE (as defined in ORC section 3734.01), electricity generation using fuel derived from solid wastes through fractionation, biological decomposition, or other process that does not principally involve combustion. (Sec. 4928.01(A)(35) O.R.C.)

Identify all fuel types used by the facility and respective proportions (show by the percent of heat input):

G.10__ BIOMASS (includes biologically-derived methane gas, such as landfill gas)

Identify the fuel type used by the facility:

If co-firing an electric generating facility with a biomass energy resource, the proportion of fuel input attributable to the biomass energy resource shall dictate the proportion of electricity output from the facility that can be considered biomass energy.

G.10a List all fuel types used by the facility and respective proportions (show by the percent of heat input):

G.10b Please attach the formula for computing the proportions of output per fuel type by MWh or kWh generated.

G.11 __ FUEL CELL (any fuel cell used in the generation of electricity, including, but not limited to, a proton exchange membrane fuel cell, phosphoric acid fuel cell, molten carbonate fuel cell, or solid oxide fuel cell; Sec. 4928.01(35)(A) O.R.C.).

Identify all fuel types used by the facility and respective proportions:

G.12 __ STORAGE FACILITY

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

The Renewable Energy Facility:

__ has a placed-in-service date before January 1, 1998; (month/day/year):

X__ has a placed-in-service date on or after January 1, 1998; (month/day/year): 5/19/2010

__ 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.

__ 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.

X__ No

__ Yes

Has the mercantile customer facility owner committed to integrate the resource under the provisions of Rule 4901:1-39-08 O.A.C?

__ No

__ Yes

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

I. Facility Information

The nameplate capacity of the entire facility in megawatts (MW): 0.005

If applicable, what is the expected heat rate of resource used per kWh of net generation:
BTU/kWh
Number of Generating Units: 1

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

In-Service date of each unit	The nameplate capacity of each unit in megawatts (MW)	Projected Annual Generation	Expected Annual Capacity Factor %
5/19/2010	0.005	5.482 Mwhrs	12.5%

(To expand the number of rows if more units need to be reported, place your cursor in the bottom right cell and hit tab).

J. Regional Transmission Organization Information

In which Regional Transmission Organization area is your facility located:

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

__ Within Geographic Area of Midwest ISO

__ Other (specify):

K. Attribute Tracking System Information

Are you currently registered with an attribute tracking system: __ Yes _X 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):***

_X_ GATS (Generation Attribute Tracking System)

__ 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 your 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?

__ Yes

_X No

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

Name of State	State Certification Agency	State Certification Number	Date Issued

(To expand the number of rows if more units need to be reported, place your cursor in the bottom right cell and hit tab).

M. Type of Generating Facility

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

__ Utility Generating Facility:

- __ Investor Owned Utility
- __ Rural Electric Cooperative
- __ Municipal System

__ Electric Services Company (competitive retail electric service provider certified by the PUCO)

X__ Distributed Generation with a net metering and interconnection agreement with a utility.
Identify the utility: LaGrange County REMC

__ Distributed Generation with both on-site use and wholesale sales.
Identify the utility with which the facility is interconnected:

__ Distributed Generation, interconnected without net metering.
Identify the utility with which the facility is interconnected:

Note: if the facility does not yet have an interconnection agreement with a utility or transmission system operator, please note here the status of the application for such an agreement:

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.

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

__X_ Inverter Meter(s)

____ Utility Grade Meter(s)

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

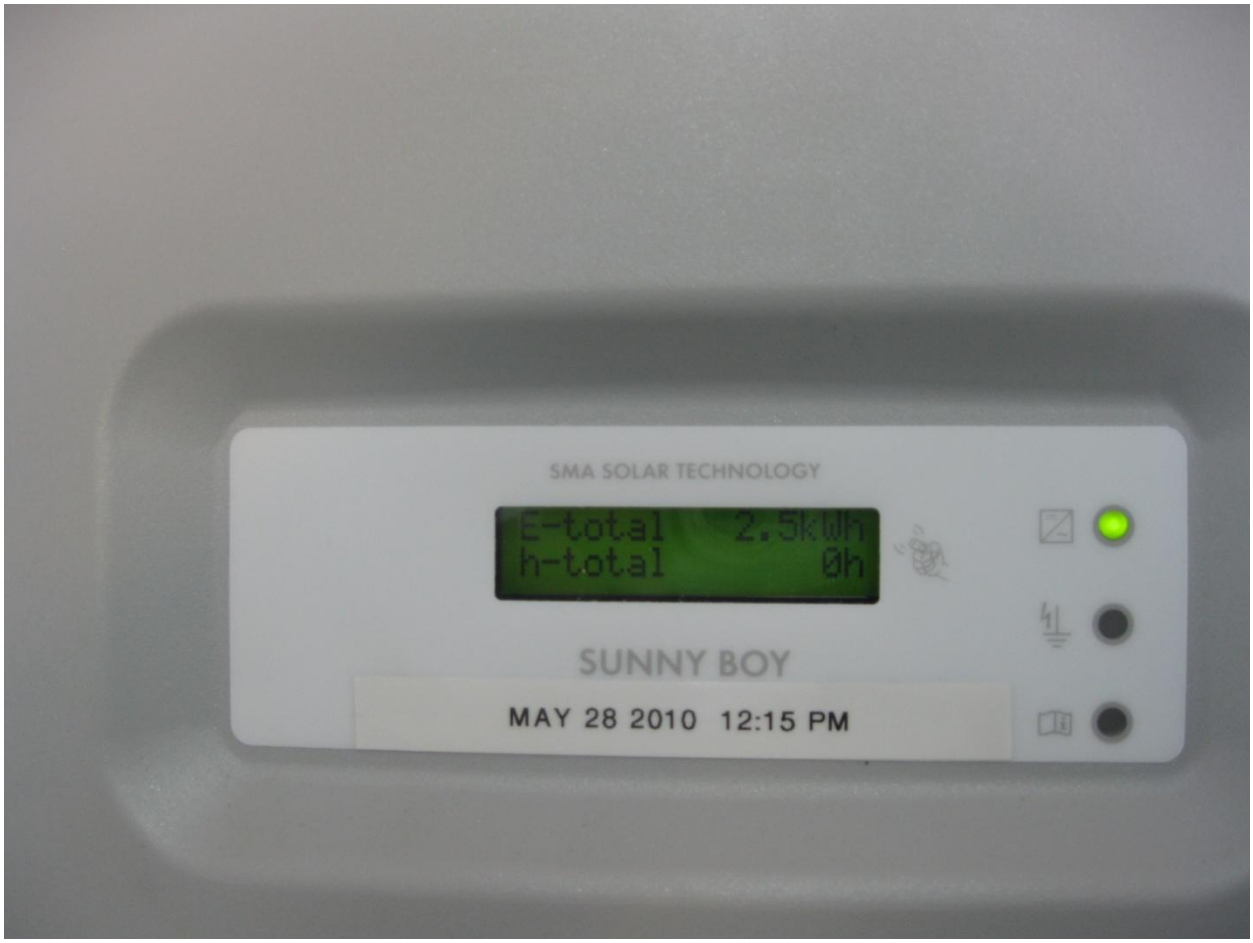
Manufacturer: SMA America
Serial Number: 2001129822
Type: SB 6000US
Date of Last Certification:

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

Report the total meter reading number at the time the photograph was taken and specify the appropriate unit of generation (e.g., kWh): 2.5 kWh

Date photograph taken: 5/28/2010

INSERT PHOTOGRAPH(S)



O. Start date for reporting generation data to an attribute tracking system

In the Commission's June 17, 2009 Entry on Rehearing in Case No. 08-888-EL-ORD, the Commission found it to be appropriate to recognize the creation of RECs back to July 31, 2008, when 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 (page 34). If the facility is not registered with and reporting to an attribute tracking system please provide a methodology and documentation which will support the specific generation output that would be reported to the attribute tracking system for the period from the placed-in-service date of the facility to the date the facility is scheduled to be certified, which is usually 61 days from the filing date of the application. The documentation may include dated photographs of the

inverter and utility grade meters, written documentation of meter and inverter readings and measures, and entries of meter readings in a spreadsheet.

INSERT PHOTOGRAPH(S) OR DOCUMENTATION

A SMA America inverter has been used to track production since interconnection. The inverter started at 0 on interconnection. Meter readings have since been made on the first day of each month for the prior month. The readings have been maintained in a spreadsheet and will be transferred into GATS once a certification number has been issued and an account has been established.

Please state the specific start date that will be used to report generation output to the attribute tracking system, either the placed-in-service date or other: 5/19/2010

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 (page 34).

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

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: April 6, 2010

Summary: Application Raymer Residential Solar - L. Raymer electronically filed by Mr. Brad Bowery on behalf of Lesie Raymer