



Case No.: 12-0334-EL-REN

**A. Name of Renewable Generating Facility:** Carli, Louis Residence - L. Carli

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

**Facility Location**

Street Address: 549 Hoge St.

City: Cincinnati State: OH County: Hamilton Zip Code: 45205

**Facility Latitude and Longitude**

Latitude: 39.118991 Longitude: -84.436862

*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.*

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**Legal Name of the Facility Owner:** Louis Carli

Legal Name of Facility Owner Representative (First Name, MI, Last Name): Louis Carli

Title: Owner

Organization:

Street Address: 549 Hoge St.

City: Cincinnati

State: OH

Zip Code: 45205

Phone: 513-321-7051

Fax:

Email Address: chriscarli@fuse.net

Web Site Address:

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**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): Louis Carli  
Title: Owner  
Organization:  
Street Address: 549 Hoge St.  
City: Cincinnati State: OH Zip Code: 45205  
Phone: 513-321-7051 Fax:  
Email Address: chriscarli@fuse.net  
Web Site Address:

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

Name of Generation Facility Operating Company: Louis Carli  
Legal Name of Contact Person (First Name, MI, Last Name): Louis Carli  
Title: Owner  
Organization:  
Street Address: 549 Hoge St.  
City: Cincinnati State: OH Zip Code: 45205  
Phone: 513-321-7051 Fax: Email Address: chriscarli@fuse.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: 1100 Cedar Rd. Ste B #107  
City: Chesapeake State: VA Zip Code: 23322  
Phone: 757-559-1580 Fax: 732-453-0065  
Email Address: alisa.hobdy@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.

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 Enphase envoy inverter that will be used to measure the output that is reported 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.

August 04, 2011



August 04, 2011



**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: 13

**G.4.1 PV Modules**

For each PV module, provide the following information:

**G.4.1.a** Manufacturer: Suntech

**G.4.1.b** Model and Rating: STP185S at 185 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): 8/4/11

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): 2.41 or in megawatts (MW): 0.002405

**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>
8/4/11	0.002405	2.766	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>
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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: Duke

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

**N.1.b** Serial Number: 121016186390

**N.1.c** Type: Envoy

**N.1.d** Date of Last Certification: August 04, 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): 1004 kWh

January 16, 2012



**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 04, 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 Zach Wieber  
on 01/19/2012

**Carli, Louis**  
Cincinnati, OH

This report summarizes the daily energy production of the system from 08/04/2011 to 01/18/2012.

Date/Time	Energy Produced (Wh)
08/04/2011	754
08/05/2011	9,930
08/06/2011	8,250
08/07/2011	6,240
08/08/2011	9,650
08/09/2011	9,740
08/10/2011	10,700
08/11/2011	12,400
08/12/2011	12,300
08/13/2011	10,500
08/14/2011	7,120
08/15/2011	10,200
08/16/2011	11,100
08/17/2011	11,790
08/18/2011	10,053
08/19/2011	7,315
08/20/2011	8,862
08/21/2011	8,970
08/22/2011	12,465
08/23/2011	10,537
08/24/2011	10,448
08/25/2011	12,305
08/26/2011	9,007
08/27/2011	11,486
08/28/2011	11,992

08/31/2011	7,552
09/01/2011	9,556
09/02/2011	10,835
09/03/2011	8,861
09/04/2011	3,554
09/05/2011	3,054
09/06/2011	4,180
09/07/2011	1,548
09/08/2011	1,773
09/09/2011	3,325
09/10/2011	7,228
09/11/2011	9,164
09/12/2011	11,255
09/13/2011	10,871
09/14/2011	6,676
09/15/2011	12,478
09/16/2011	9,143
09/17/2011	11,710
09/18/2011	3,056
09/19/2011	1,249
09/20/2011	6,280
09/21/2011	2,771
09/22/2011	6,953
09/23/2011	3,713
09/24/2011	5,257
09/25/2011	8,838
09/26/2011	6,697
09/27/2011	2,908
09/28/2011	3,336
09/29/2011	10,709
09/30/2011	2,638
10/01/2011	2,583
10/02/2011	11,653
10/03/2011	10,114
10/04/2011	10,587
10/05/2011	10,502
10/06/2011	10,349
10/07/2011	10,242
10/08/2011	10,022
10/09/2011	7,012

10/12/2011	1,628
10/13/2011	1,572
10/14/2011	7,693
10/15/2011	10,748
10/16/2011	8,052
10/17/2011	9,054
10/18/2011	4,420
10/19/2011	450
10/20/2011	955
10/21/2011	9,622
10/22/2011	9,800
10/23/2011	5,452
10/24/2011	7,301
10/25/2011	9,566
10/26/2011	4,355
10/27/2011	1,093
10/28/2011	3,102
10/29/2011	8,040
10/30/2011	8,836
10/31/2011	7,000
11/01/2011	8,888
11/02/2011	7,969
11/03/2011	1,367
11/04/2011	9,026
11/05/2011	9,003
11/06/2011	8,809
11/07/2011	6,922
11/08/2011	6,849
11/09/2011	2,180
11/10/2011	5,954
11/11/2011	7,317
11/12/2011	7,248
11/13/2011	1,782
11/14/2011	2,098
11/15/2011	656
11/16/2011	1,723
11/17/2011	8,310
11/18/2011	8,372
11/19/2011	2,738

11/22/2011	493
11/23/2011	5,412
11/24/2011	1,606
11/25/2011	7,606
11/26/2011	4,032
11/27/2011	666
11/28/2011	532
11/29/2011	1,506
11/30/2011	6,305
12/01/2011	7,726
12/02/2011	5,270
12/03/2011	3,951
12/04/2011	948
12/05/2011	208
12/06/2011	547
12/07/2011	1,370
12/08/2011	6,454
12/09/2011	3,872
12/10/2011	7,579
12/11/2011	7,386
12/12/2011	6,361
12/13/2011	1,602
12/14/2011	2,442
12/15/2011	1,490
12/16/2011	1,975
12/17/2011	4,663
12/18/2011	6,997
12/19/2011	923
12/20/2011	860
12/21/2011	3,452
12/22/2011	406
12/23/2011	1,010
12/24/2011	7,206
12/25/2011	7,484
12/26/2011	5,644
12/27/2011	491
12/28/2011	4,900
12/29/2011	3,910
12/30/2011	1,823
12/31/2011	608

01/03/2012	6,889
01/04/2012	3,695
01/05/2012	7,146
01/06/2012	7,278
01/07/2012	6,925
01/08/2012	7,095
01/09/2012	7,330
01/10/2012	7,267
01/11/2012	598
01/12/2012	540
01/13/2012	1,409
01/14/2012	6,139
01/15/2012	8,117
01/16/2012	583
01/17/2012	1,410
01/18/2012	3,449
<b>Total</b>	<b>1,008,928</b>



# Public Utilities Commission

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

Case No.: 12-0334-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:

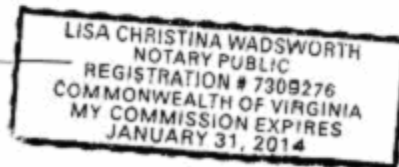
1. I am the duly authorized representative of Carli, Louis Residence - L. Carli.
2. I have personally examined and am familiar with all information contained in the foregoing application, including any exhibits and attachments, and that based upon my inquiry of those persons immediately responsible for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

BB, CEO, SRECTrade  
Signature of Affiant & Title

Sworn and subscribed before me this 17<sup>th</sup> day of January, 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**

**1/19/2012 9:48:22 AM**

**in**

**Case No(s). 12-0334-EL-REN**

Summary: Application Carli, Louis Residence - L. Carli electronically filed by Mr. Brad Bowery  
on behalf of Mr. Louis Carli