



Case No.: 11-0153-EL-REN

A. Name of Renewable Generating Facility: Marvin & Miriam Weaver

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

Facility Location

Street Address: 1137 Main Street

City: Blue Ball State: PA Zip Code: 17506

Facility Latitude and Longitude

Latitude: 40° 7'12.98"N Longitude: 76° 2'48.58"W

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: Marvin & Miriam Weaver

Legal Name of Facility Owner Representative (First Name, MI, Last Name): Glenn A. Weaver, Jr.

Title: Controller

Organization: Shady Maple Companies

Street Address: 1324 Main Street

City: East Earl State: PA Zip Code: 17519

Phone: 717-354-4981 Fax: 717-354-4982

Email Address: gweaver@shady-maple.com

Web Site Address: www.shady-maple.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 (First Name, MI, Last Name): Glenn A. Weaver, Jr.

Title: Controller

Organization: Shady Maple Companies

Street Address: 1324 Main Street

City: East Earl State: PA Zip Code: 17519

Phone: 717-354-4981 Fax: 717-354-4982

Email Address: gweaver@shady-maple.com

Web Site Address: www.shady-maple.com

D. Name of Generation Facility Operating Company:

Name of Generation Facility Operating Company: Marvin & Miriam Weaver

Legal Name of Contact Person (First Name, MI, Last Name): Glenn A. Weaver, Jr.

Title: Controller

Organization: Shady Maple Companies

Street Address: 1324 Main Street

City: East Earl State: PA Zip Code: 17519

Phone: 717-354-4981 Fax: 717-354-4982 Email Address: gweaver@shady-maple.com

Web Site Address (if applicable): www.shady-maple.com

E. Regulatory/Emergency contact

Legal Name of Contact Person (First Name, MI, Last Name): Mike Kohr

Title: Project Manager

Organization: Meadow Valley Electric, Inc.

Street Address: 2010 W. Main Street

City: Ephrata State: PA Zip Code: 17522

Phone: 717-738-2451 Fax: 717-738-7346

Email Address: mikek@mvegroup.com

Web Site Address: www.mvegroup.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.

Required PA System Information

Customer Name: Marvin Weaver

Phone: 717-951-4627

Address: 1137 E. Main Street Blue Ball, PA 17506

Email: mweaver@shady-maple.com

Installer: Meadow Valley Electric, Inc.

Total PV Capacity (DC - KW) 19.740

Anticipated Annual Output (MWh/yr) 25.802

Annual Shading Impact % 100

Location of solar system (roof, ground, other) Roof

Module Manufacturer: Trina

Model and Rating TSM-235PA05

Inverter Manufacturer Fronius

Model Name and Number

• IG Plus 7.5-1 uni & (1) IG Plus 10.0-1 uni

of Modules 84

of Inverters (2)

Grid-Tied (y/n) Y Battery Backup (y/n) N

Array Orientation (South=180) 190 PV Array Tilt (degrees) 34

Utility Grade Meter Manufacturer and Make Itron/Centron

Utility Grade Meter Serial Number (if installed) 64 777 418

System start Date: 10/22/2010

Current Utility Co. PP&L

Sunshine PSP Number: PSP-04469

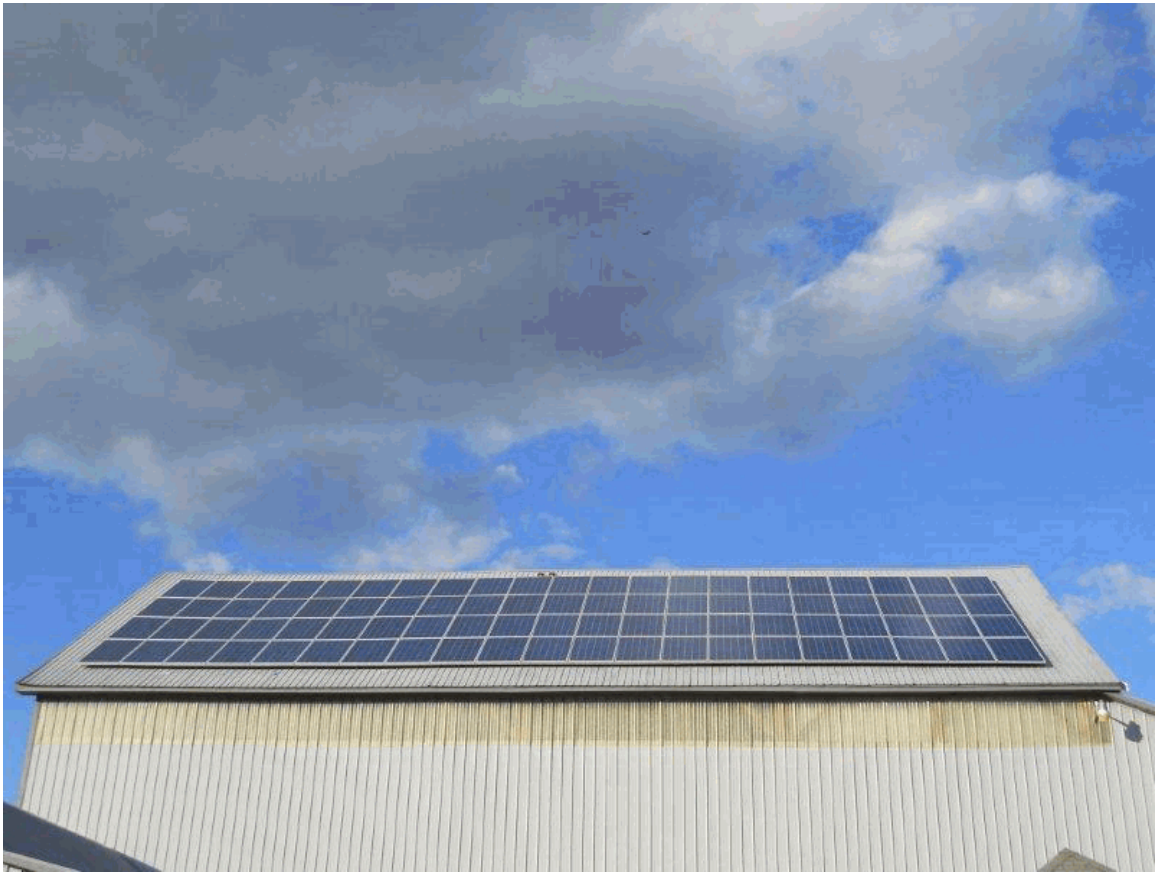
G.2. Please include a detailed description of how the output of the facility is going to be measured and verified, including the configuration of the meter(s) and the meter type(s).

See G1 above for detailed information on the PV system, as provided by the PV installer, Meadow Valley Electric, Inc.

The Solar PV system kwh output will be measured via a utility/revenue grade inline AC kwh meter. The meter type is a Itron C1S Centron.

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.

October 22, 2010



October 22, 2010





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): 19.7400

G.4b Total PV Capacity (AC): 17.5000

G.4c Expected Capacity Factor: 1.3071

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: 25,802.0000

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: 84

G.4.1 PV Modules

For each PV module, provide the following information:

G.4.1.a Manufacturer: Trina

G.4.1.b Model and Rating: TSM-235PA05

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): 10/22/10

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): 0.0197

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>
10/22/10	0.0197	25.8020	100.0000	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: PPL Electric Utilities

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: Itron

N.1.b Serial Number: CL200

N.1.c Type: C1S Centron

N.1.d Date of Last Certification: October 22, 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): 1 kwh

October 22, 2010







C1S CENTRON®

introduction

CENTRON C1S
The CENTRON C1S solid-state meter is used for measuring single-phase energy consumption. With this solid-state meter, Itron presents a platform for residential metering with the flexibility to adapt as your needs expand and change.

The CENTRON C1S is available as an energy meter with an LCD register. As an option, the meter is available with interchangeable personality modules, including demand, time-of-use (TOU), load profile and various communication options.

features

Flexible Platform

- > The CENTRON meter can easily be upgraded to any of the option modules available.
- > All calibration data is permanently stored in the base of the meter on the CENTRON metrology board.

Personality Modules

- > The interchangeable personality modules are part of a snap-in register assembly.
- > The personality module houses all register or communication functions.

Enhanced Performance

- > Low starting watts
- > Low burden
- > Captures energy that was not monitored in the past by electromechanical meters

Tamper Resistant

- > Measures energy even if the meter is inverted

Standard Features

- > Electronic LCD register
- > Polycarbonate cover
- > Test LED

features

Option Module Upgrades

- > Demand module (C1SD)
- > TOU with demand module (C1ST)
- > Load profile with TOU and demand module (C1SL)
- > R300 900 MHz RF module (C1SR)

Option Availability

- > Glass cover
- > Electronic detent
- > Identification/Accounting aids

Technical Data
Meets applicable standards:

- > ANSI C12.1 - 1995
- > ANSI C12.10 - 1997
- > ANSI C12.20 (Class 0.5) -1998
- > ANSI C37.90.1 - 1989
- > ANSI C62.45 - 1992
- > IEC 61000-4-4
- > IEC 61000-4-2
- > FCC Part 15, Subclass C

Reference Information

- > CENTRON Technical Reference Guide
- > CENTRON C1SR Specification Sheet
- > CENTRON C1SC Specification Sheet
- > CENTRON C1SD, T, L Specification Sheet
- > Electricity Price Bulletin
- > Hardware Specification Form
- > ZRO-C2A Handheld Meter Resetter Instructions

Product Availability							
Meter Version	Class	Volts	Wire	Form	Digits/ Mult	Energy Setting	Catalog Number
C1S	100	120	2	1S	5x1	Undetented	G980225
C1S	200	240	3	2S	5x1	Undetented	G980194
C1S	320	240	3	2S	5x1	Undetented	G980236
C1S	20	120	2	3S	5x1	Undetented	G980247
C1S	20	240	3	4S	5x1	Undetented	G980255
CN1S	200	120	3	12S	5x1	Undetented	G980257
CN1S	200	120	3	25S	5x1	Undetented	G980265

Specifications

Dimensions

Polycarbonate

A	B	C	D	E	F	G
6.29" 16 cm	6.95" 17.7 cm	2.7" 6.9 cm	3.16" 8 cm	4.53" 11.5 cm	6.29" 16 cm	6.95" 17.7 cm

Glass

A	B	C	D	E	F	G
6.42" 16.3 cm	6.95" 17.7 cm	3.03" 7.7 cm	3.55" 9 cm	4.9" 12.5 cm	6.42" 16.3 cm	6.95" 17.7 cm

Shipping Weights

Polycarbonate

4 meter cartons	Approx. 8.9 lbs.	4.04 kg
120 meter pallets	Approx. 260-265 lbs.	117.936 kg

Glass

4 meter cartons	Approx. 13.96 lbs.	6.36 kg
120 meter pallets	Approx. 335 lbs.	151.956 kg

Specifications

Power Requirements	Voltage rating: 240 V Frequency: 60 Hz, 50 Hz	Operating voltage: $\pm 20\%$ (60 Hz); $\pm 10\%$ (50 Hz) Operating range: ± 3 Hz
Operating Environment	Temperature: -40° to $+85^{\circ}\text{C}$ Humidity: 0% to 95% non-condensing	
Transient/Surge Suppression	ANSI C37.90.1-1989 IEC 61000-4-4 ANSI C62.45-1992	
Accuracy	ANSI C12.20 0.5 Accuracy Class	
General LCD Display	Five-digit liquid crystal display Data digit height: 0.4"	Annunciator height: 0.088" Electronic load indicator
Characteristic Data	Starting watts: 5 watts	
Temperature Rise Specifications	Meets ANSI C12.1 section 4.7.2.9	
Burden Data	Voltage circuit: Voltage: 240	Watts: 0.5 VA: 7.5
	Current coil-self contained test amp current: 60 Hz Service: 3-Wire	Test current (amps): 30 VA: <0.50

*Burden data applies to FM25V 240 V meter.



Corporate Headquarters
 2111 North Molter Road
 Liberty Lake, Washington 99019
 U.S.A.
 Tel.: 1.800.635.6461
 Fax: 1.509.891.3355

Itron Inc.

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. Itron operates in two divisions; as Itron in North America and as Actaris outside of North America. Our combined company is the world's leading provider of metering, data collection and software solutions, with nearly 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water. Itron delivers industry leading solutions for electricity, gas and water meters; data collection and communication systems, including automated meter reading (AMR) and advanced metering infrastructure (AMI); meter data management and utility software applications; as well as comprehensive project management, installation, and consulting services.

To know more, start here: www.itron.com

Itron Inc.
Oconee Electricity Metering
 313-B North Highway 11
 West Union, SC 29696
 U.S.A.
 Tel.: 1.864.638.8300
 Fax: 1.864.638.4950

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07/08

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 22, 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 at 34.)

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



Fronius Solar.web

Overview

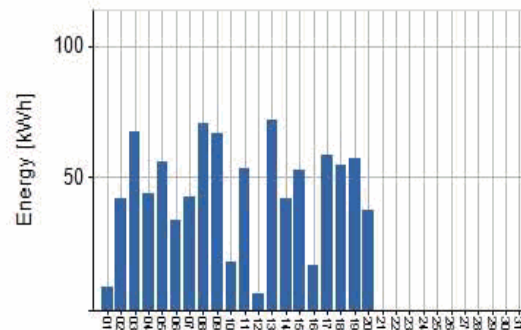
Datalogger ID: 240.10471
Module: 0
Generator Power: 17495 Wp
Angle: 0°
Status: Online 2:42:59 PM (IP: 206.192.82.110)
Generator Power actual: 4.889 kW

Inverters:

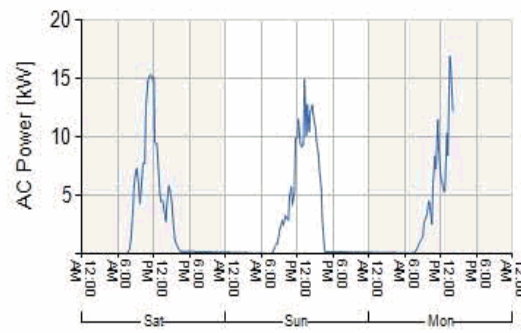
1 x IG Plus 10.0-1 UNI
1 x IG Plus 7.5-1 UNI

Last Import: 12/20/2010
Feed-in tariff: 0.13 Dollar

Totalview - December 2010



Dayview - 12/18/2010 - 12/20/2010





Fronius Solar.web

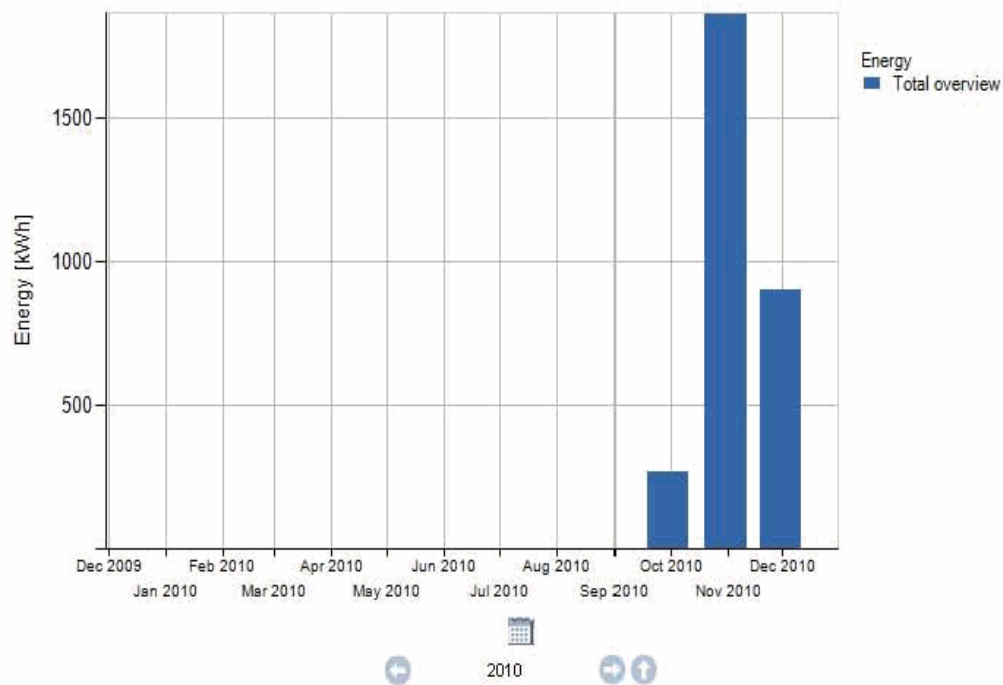
Select Device...

No channel available

Select Special...

☒ Energy ☐ Yield ☐ CO2

Total system - 2010





Fronius Solar.web

Total overview

	Online	Offline	Total
Number of PV systems	1	1	2
Total Power	17.50	0.00	17.50

Real time data

Total Power	9.92 kW
Energy today	48.00 kWh
Energy total	3274.00 kWh
CO2 today	25.44 kg
CO2 total	1735.22 kg
Earnings today	6.24 Dollar
Earnings total	425.62 Dollar

Overview PV systems

	Power real time	Energy today	Energy total	Earnings today	Earnings total	CO2 savings today	CO2 savings total
PVsystem: Marvin Weaver							
	9.92 kW	48.00 kWh	3274.00 kWh	6.24 Dollar	425.62 Dollar	25.44 kg	1735.22 kg



**Public Utilities
Commission**

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

Case No.: 11-0153-EL-REN

AFFIDAVIT

State of PA:

Lancaster ss.
(Town)

County of Lancaster :

Glenn A. Weaver, Jr., Affiant, being duly sworn/affirmed according to law, deposes and says that:

1. I am the duly authorized representative of Marvin & Miriam Weaver.
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.

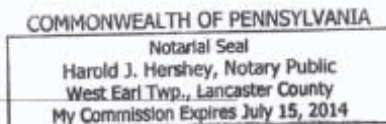
Glenn A. Weaver Jr., Controller
Signature of Affiant & Title

Sworn and subscribed before me this 17th day of January, 2011 Month/Year

Harold J. Hershey
Signature of official administering oath

HAROLD J. HERSHEY
Print Name and Title NOTARY

My commission expires on _____



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

1/19/2011 10:46:17 AM

in

Case No(s). 11-0153-EL-REN

Summary: Application Online Application for Certification as an Eligible Ohio Renewable Energy Resource Generating Facility electronically filed by Mr. Glenn A Weaver on behalf of Weaver, Marvin R Mr. and Weaver, Miriam M Mrs.