

Case No. 14-1624-EL-REN
700 Taylor Road
Staff Interrogatories

Your facility, 14-1624-EL-REN 700 Taylor Road, had a projected in-service date of 10/31/14. Is the facility online now? If so, please update section H below with the in-service date. If not, please update section H below with the new projected in-service date.

If your facility is currently online please update the appropriate sections below.

You can apply for certification for a renewable facility before it comes online. However, please take note of the following rule:

OAC 4904:1-40-04 (F)

(5) Representatives of certified facilities must notify the commission within thirty days of any material changes in information previously submitted to the commission during the certification process. Failure to do so may result in revocation of certification status.

For your application this means that updated sections, G, H and N, as well as any other changes to the application, should be submitted once your facility comes online. Once you are registered in GATS, section K will need to be updated with your generation ID number.

Let me know if you have any questions.

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.

12/28/2014



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

The Renewable Energy Facility:

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

or

 Not yet online; projected in-service date (month/day/year):

G.4 SOLAR PHOTOVOLTAIC

G.4a Location of the PV array: Roof Ground X Other

G.4b Total number of Modules: 1,178

G.4.1 PV Modules

For each PV module, provide the following information:

G.4.1.a Manufacturer: Canadian Solar
G.4.1.b Model and Rating: CS6X-305-P 305W

I. Facility Information

Solar Carports

I.a The nameplate capacity of the entire facility in megawatts (MW):
.359

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

Unit In-Service Date	Unit Nameplate Capacity (MW)	Projected Gross Annual Generation MWh
12/28/2014	.359	.411

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:

☐ Inverter Meter(s)

☒ Utility Grade Meter(s)

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

N.1.a Manufacturer: Electro Industries / Gaugetech

N.1.b Serial Number: 0125647833

N.1.c Type: Shark 100T

N.1.d Date of Last Certification: 11/5/2013

Electro Industries / GaugeTech

1800 Shames Drive, Westbury, NY 11590-1730 USA

Tel: 516-334-0870 • Fax: 516-334-3924

Web Site: www.electroind.com

Calibration and Final Test Report

Model Shark 100T
Software Ver 2.7.0
Config File Version 5
Performed By ella
Serial Number 0125647833
Date 11/5/2013
Class 10
Frequency 60 Hz
Part Number Shark100T-60-10-V3-D2-INP10

Start 12:10:41
End 13:29:28
Duration 1:18:47

Source FLUKE
Model 5080A
Serial No. 1439003

V-Switch 3

Reference RD-20-232
Serial No. 206612

Cal FW 54
Run FW 51

Voltage			
	A	B	C
0 V	0.000V	0.000V	0.000V
69 V	-0.007	-0.008	-0.005
120 V	0.014	0.018	0.011
230 V	0.002	-0.002	0
480 V	-0.008	-0.009	-0.008

Current			
	A	B	C
0.000 A	0.000A	0.000A	0.000A
0.250 A	0.011	0.015	0.01
0.500 A	0.003	-0.001	-0.003
1.000 A	-0.002	-0.001	-0.002
5.000 A	-0.006	-0.006	-0.004

Final Test Checks	
Leds	Passed
Buttons	Passed
IrDA test	Passed
KYZ pulse test	Passed
Wh pulse test	Passed
Network test	Passed
Transducer Test	Passed

VA				
Value at	69 V	120 V	230 V	480 V
0.250A		-0.072		
0.500A		-0.015		
1.000A		-0.03		
5.000A	-0.053	-0.053	-0.033	-0.059

Frequency	
60Hz	0.004 Passed

FINAL QA INSPECTION

Paperwork ☒

Physical ☒

Power up ☐

LED Test ☐

RS-485 ☒

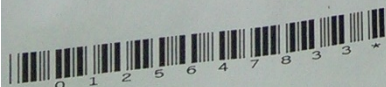
IRDA ☐

Spike ☒

Watts							
Value at	69V		120V		230V		480V
	0 Deg.	-60 Deg.	0 Deg.	-60 Deg.	0 Deg.	-60 Deg.	0 Deg. -60 Deg.
0.250A			-0.01	0.011			
0.500A			0.001	0.022			
1.000A			-0.003	-0.035			
5.000A	0.003	-0.015	0.007	-0.004	0.042	0.016	0.026 0.017

V-I Check	Passed	VA Check	Passed	W 0deg Check	Passed	W -60deg Check	Passed
Mean	0.001	Mean	-0.046	Mean	0.009	Mean	0.002
Median	-0.002	Median	-0.053	Median	0.003	Median	0
Worst Error	0.018	Worst Error	-0.072	Worst Error	0.042	Worst Error	-0.035
Records in Band	100	Records in Band	100	Records in Band	100	Records in Band	100
Band Limit	+/-0.03	Band Limit	+/-0.1	Band Limit	+/-0.1	Band Limit	+/-0.2

Passed



000001

QC: *[Signature]*

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):

Date photograph taken: 9/16/2014 and 2/23/2015

INSERT PHOTOGRAPH(S)



Electro Industries
GaugeTech
Westbury, NY
www.electroind.com

SHARK

MULTIFUNCTION POWER & ENERGY METER

Revenue Grade

Covered by one or more of the following US patents:
D645'81, 7271'98, 7453884, 7816433, 7264687

Model:	SHARK 100T-60-10-V3-D2-1P10-DIN
Serial Number:	134-0125647833
Notes:	
Voltage Range:	(69 to 347)V~ L-N, 600V-max L-L, CATII
Current Range:	(0.005 to 10)A~
Frequency:	60Hz
Power Supply:	7VA, (90 to 265)V~-50/60Hz, (100 to 370)V~
CL, TA TV, CA:	10A, 5A, 120V, 0.2%
Kh - TV<150V:	0.2505759630
Kh - TV>150V:	1.0023038521

Power and Energy

Power

		Max Demand	Min Demand
VA	10.52k	474.54k	0.00
+ Watts		470.11k	0.00
- Watts	-0.68k	-3.22k	0.00
+ VARs		16.69k	0.00
- VARs	-10.49k	-62.08k	0.00
+ PF		0.000	1.000
- PF	-0.065	1.000	-0.121

Demand WindowBlock
Integration Period15 min

Energy

	Received	Delivered	Net	Total
Watt-hr	00007511k	-00000576k	00006934k	00008087k
VAR-hr	00000574k	-00011840k	-00011266k	00012414k
VA-hr				00018609k

Polling .
OK
Print
Help

K. Attribute Tracking System Information

Are you currently registered with an attribute tracking system: Yes

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).

14-SPV-OH-GATS-0592

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in

Case No(s). 14-1624-EL-REN

Summary: Reply electronically filed by Alexandre Yacques on behalf of Settle Muter Electric