

Case No. 10-2317-EL-REN
Frey Farm
Staff Interrogatories – Initial Set

Question 1: In section A of the application the facility latitude and longitude are listed as:

Answer 1: lat- 39.9638040 Long- -76.3956950

Question 2: From Section G.2 of the application, 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).

Answer 2: utility grade meter

Question 3: In section G.4 Total PV Capacity (AC) was left blank. What is the total PV capacity (AC)? (AC capacity is somewhat less than DC capacity depending on the efficiency of the inverter, if the inverter was 97% efficient, then AC capacity would be $103.488 \text{ kW} * 0.97 = 100.383 \text{ kW}$.)

Answer 3: 100.383kW

Question 4: In section G.4 Expected Capacity Factor was left blank. What is the expected capacity factor? The capacity factor for solar facilities in Pennsylvania range from 10-14%. Websites like PV watts can be used to find capacity factor based on location:
<http://rredc.nrel.gov/solar/calculators/PVWATTS/version2>.

Answer 4: 14.488

Question 5: From section I.1 please supply the information for the following fields that were left blank:
Projected Annual Generation (MWh): 13.040
Expected Annual Capacity Factor %: 97%

Question 6: In sections I.1 The nameplate capacity of each unit in megawatts (MW) is listed as .224. A solar array can be considered a single generating unit, in which case the nameplate capacity of each unit in megawatts would be 0.103488. Please provide or confirm the nameplate capacity of each unit in megawatts (MW).

Answer 6: .103488

Question 7: From section N of the application supply the meter information for the following fields that were left blank:

Manufacturer: PP&L
Serial Number: 41210970
Type: Utility Grade Meter
Date of Last Certification: 8/10/2010

Questions 8: From section N of the application a photograph of the meter with the reading shown with date image taken was not submitted. The meter reading(s) must be clearly visible in the photograph. Submit a current photograph of the meter and state the date the photo was taken and the reading of the meter.

Answer 8:



Photo taken on 12/2/2010

Question 9: In section O of the application, the following question was answered “Yes”:

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

Have RECs been sold to a third party?

Are you considering RECs or partial RECs that have been credited to your account as having been “sold or otherwise consumed?”

Answer 9: yes

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/3/2010 8:06:25

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Summary: Reply Reply to staff interrogatories electronically filed by Mr. John D Smucker on behalf of Mr. Keith Frey