Case No. 10-2496-EL-REN

Pittman Residence - Staff Interrogatories – Initial Set

Question 1: For Section G.4a of the application, please confirm that the total PV capacity (DC) should be 2.688 kW *(as calculated by multiplying 12 panels by 224 watts each,which equals 2,688 watts or 2.688 kilowatts)*.
Answer 1: Yes. The total PV capacity (DC) should be 2.688 kW (as calculated by multiplying 12 panels by 224 watts each, which equals 2,688 watts or 2.688 kilowatts).

Question 2: For Section G.4b of the application, please confirm that the total PV capacity (AC) should be 2.564 kW *(as calculated by multiplying 2.688 kW, the DC capacity, by 95.4%, which is the peak efficiency of the Xantrex XW6048 inverter)*.
Answer 2: Yes. The total PV capacity (AC) should be 2.564 kW (as calculated by multiplying 2.688 kW, the DC capacity, by 95.4%, which is the peak efficiency of the Xantrex XW6048 inverter).

Question 3: For Section G.4c of the application, please provide the expected capacity factor. The capacity factor is the ratio of the energy produced to the maximum possible at full power, over a given time period. Capacity factor is expressed as a percent and can be calculated using this formula: *I did the calculation for you – see below*

Projected Annual Generation (kWh or MWh) **divided by** [the nameplate capacity (in kW or MW) **times** 8,760]
YOUR FACILITY: ***3,700 kWh/yr divided by (2.688 kW x 8,760 hours)***
= 3,700 kWh/yr divided by 23,546.88
= 0.1571 or 15.71% Capacity Factor
Please confirm that your annual capacity factor is 15.71%
Answer 3: Yes. The expected capacity factor is 3,700 kWh/yr divided by (2.688 kW x 8,760 hours) = 3,700 kWh/yr divided by 23,546.88 = 0.1571 or 15.71% Capacity Factor

Question 4: For Section I.1, please confirm that the nameplate capacity of the facility in megawatts (MW) should be 0.002688 MW.
Answer 4: Yes. The nameplate capacity of the facility in megawatts (MW) should be 0.002688 MW

Question 5: For Section I.1, please confirm that the expected annual capacity factor percentage should be 15.71%
Answer 5: Yes. The expected annual capacity factor percentage should be 15.71%

Summary: Response Pittman Residence - Staff Interrogatories – Initial Set electronically filed by Mr. David S Pittman on behalf of Pittman, David S Mr.