

May 4, 2016

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Petition No. 1223 – Petition of SolarCity Corporation for a Declaratory Ruling on the Need to Obtain a Siting Council Certificate for the Construction and Operation of a Solar Photovoltaic Electric Generating Facility Off Old Forge Road, Rocky Hill, Connecticut

Dear Ms. Bachman:

Enclosed please find the original and fifteen (15) copies of SolarCity's Responses to the Siting Council's Post-Field Review Questions.

If you have any questions or need any additional information please do not hesitate to contact me.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosure
Copy to:

Nichole Seidell
Michael P. Libertine, L.E.P.
Claudia Baio, Mayor
Guy Scaife, Town Manager
Raymond Carpentino, Director of Economic Development

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
 : PETITION NO. 1223
A PETITION OF SOLARCITY :
CORPORATION FOR A DECLARATORY :
RULING ON THE NEED TO OBTAIN A :
SITING COUNCIL CERTIFICATE FOR THE :
CONSTRUCTION AND OPERATION OF A :
SOLAR PHOTOVOLTAIC ELECTRIC :
GENERATING FACILITY OFF OLD FORGE :
ROAD, ROCKY HILL, CONNECTICUT : MAY 4, 2016

**RESPONSES OF SOLARCITY CORPORATION
TO CONNECTICUT SITING COUNCIL POST-FIELD REVIEW QUESTIONS**

On April 27, 2016, the Connecticut Siting Council (“Council”) issued post-Field Review Questions to SolarCity Corporation (“SolarCity”), relating to the above-captioned docket.

Below are SolarCity’s responses.

Question No. 1

What is the AC output of the facility?

Response

The total output for the facility will be approximately 3 MW AC.

Question No. 2

What was the rationale for using the removal of 9 acres of wooded vegetation in the Carbon Debt analysis calculation?

Response

The ±18-acres of the project area requiring vegetation removal consists of early successional species and lacks mature trees of any substantial size. As a result, the total acreage was reduced by half its size to estimate the Carbon Debt calculations. Given that only a few

trees approach diameters of 5”, with the vast majority in the 2-4” range, SolarCity determined this was a reasonable factor to use in the calculations, which normally account for mature trees of diameters exceeding 6” or more.

Question No. 3

What is the racking system structural design standard? Relating to wind and snow?

Response

The following design standards were incorporated into the structural analysis, based on information contained in the CT Department of Public Safety State Building Code.

- Wind: 100 mph Exposure C
- Snow: 30psf ground load
- Soil Class: D – “Stiff soil”
- Seismic: B (Area of low to moderate seismic vulnerability)

Question No. 4

Would SolarCity incorporate the Department of Public Health’s (“DPH”) recommendations into the Project Aquifer Protection Plan?

Response

Yes. SolarCity has reviewed the DPH recommendations and will incorporate them into its Aquifer Protection Plan.