



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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December 13, 2012

Nelson Teague  
Somers Solar Center, LLC  
c/o HelioSage LLC  
117 4<sup>th</sup> Street, SE  
Suite B  
Charlottesville, VA 22902

RE: **PETITION NO. 1042** – Somers Solar Center, LLC Petition for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction and operation of a 5.0 MW AC Solar Photovoltaic Project located at 458 & 488 South Road, Somers, Connecticut.

Dear Mr. Teague:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than January 4, 2013. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office and a pdf copy. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

Linda Roberts  
Executive Director

c: Craig Wetmore  
Joey Lee Miranda, Esq., Robinson & Cole  
Council Members  
Parties and Intervenors

**Petition 1042: Somers Solar Center  
Somers, Connecticut  
Pre-Hearing Interrogatories, Set One**

1. What were the results of SSC's mailing of notices to abutting property owners? How many return receipts did SSC receive? If some receipts were not returned, did SSC make additional efforts to notify abutters?
2. Did SSC provide copies of its petition to town officials in Ellington?
3. Did SSC provide notification of its petition to state and federal officials?
4. Did SSC publish a legal notice of its intent to file this petition?
5. Where was the July 2, 2012 public informational meeting described in the petition held?
6. How did SSC become aware of the Pleasant View Farms property on which its project is proposed to be located?
7. Did SSC investigate any other properties as potential locations for its project? If so, identify these properties.
8. What were the factors that led SSC to choose the Pleasant View Farms property over any other properties it may have considered?
9. Provide a cost estimate for the proposed project; total cost and itemized by different component costs.
10. What is the National Renewable Energy Laboratory's PVWatts calculator?
11. Provide PVWatts simulation results for the potential annual output for the proposed project.
12. What is a DC-to-AC derate factor?
13. Provide a DC-to-AC derate calculation for the proposed project.
14. Has SSC conducted a Shading Analysis of the project property? If so, provide the results.
15. What is insolation?
16. Provide measurements of the insolation that could be expected at the project site over the course of a year.
17. What is a capacity factor?
18. What is the capacity factor SSC expects the proposed project to achieve?
19. What is the capacity factor SSC must achieve for its project to be economically feasible?

20. What is the efficiency of the photovoltaic module technology that would be employed by SSC at the proposed project?
21. Would the angles of the project's solar panels be adjusted during the year to maintain optimal alignment with the sun's changing path?
22. Approximately what percentage of the proposed project's maximum possible output would occur during those times of the year when Connecticut normally experiences its peak demand for electricity?
23. Does SSC have a contract to sell the electricity it expects to generate with the proposed project?
24. Has SSC determined if any trees need to be removed to avoid potential shading of its project? If so, how many trees will it remove?
25. Is SSC's proposed project located near any Important Bird Areas designated by the Connecticut Audubon Society?
26. What would be the construction timeline of the project from groundbreaking to full operation?
27. Describe how the project would be decommissioned at the end of its useful life.