



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

August 28, 2015

Kenneth C. Baldwin, Esq.
Joey Lee Miranda, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: PETITION NO. 1178 – Fusion Solar Center, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, operation and maintenance of a ground-mounted 20 megawatt solar photovoltaic electric generating facility located on Potash Hill Road, Sprague, Connecticut.

Dear Attorneys Baldwin and Miranda:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than September 10, 2015. 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, as well as a copy via electronic mail. 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,

Melanie A. Bachman
Acting Executive Director

MB/MP/lm

c: Council Members

Petition No. 1178
Interrogatories
Set One
August 27, 2015

1. Provide the carbon debt payback period. Specifically, as an estimate, you may utilize the U.S. Environmental Protection Agency (EPA) number of 1.22 metric tons of carbon dioxide sequestered by one acre of average U.S. forest in one year. That number can be multiplied by the number of acres cleared (~134 acres or as applicable) to estimate the annual loss of carbon dioxide sequestration in metric tons per year for the project. Then the total electrical annual electrical production in kilowatt-hours for the solar facility can be multiplied by the EPA estimate of 6.89551×10^{-4} metric tons of carbon dioxide displaced per kilowatt-hour in order to provide the annual carbon dioxide emissions avoided by the operation of solar plant. Based on this or a different analysis, compute the number of months or years it would take to “break even” with carbon dioxide or when the carbon dioxide emissions reductions would equal the sequestration loss. (Data source: <http://www.epa.gov/cleanenergy/energy-resources/refs.html>)
2. Is the Petitioner amenable to planting trees along Potash Hill Road to reduce the visual impact to residents? Clarify which portion of the subject property(ies) frontage along Potash Hill Road would have tree plantings.
3. Would the Petitioner be amenable to utilizing stone materials from the stone wall removals to provide additional aesthetic screening along Potash Hill Road?