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January 3, 2019

Via Electronic Mail and Hand Delivery

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

RE: ***Petition No. 1352*** – Nutmeg Solar, LLC, petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 19.6-megawatt AC solar photovoltaic electric generating facility on approximately 162 acres comprised of 9 separate parcels located generally south of Bailey Road and east of Route 191 (Broad Brook Road), and associated electrical interconnection to Eversource Energy's Scitico Substation at 20 Bailey Road in Enfield, Connecticut

Dear Ms. Bachman:

On behalf of the petitioner, Nutmeg Solar, LLC, enclosed please find an original and 15 copies of responses to the Connecticut Siting Council's interrogatory CSC-95 in connection with the above-referenced proceeding.

Please feel free to contact me or David Bogan of this office (860-541-7711) if you have any questions or require additional information.

Very truly yours,

A handwritten signature in black ink, appearing to read "Kathryn", followed by a long, horizontal, wavy line.

Kathryn E. Boucher

cc: Service List

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

Petition No. 1352

Company:

Nutmeg Solar, LLC

Submission Date:

January 3, 2019

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CSC-95 In the comments dated December 12, 2018, the Connecticut Airport Authority (CAA) requested a copy of any glare studies that have been developed to understand the impacts that the proposed project could have on air traffic in the area. Is a glare study being performed? If yes, what is the status of such study? If such study is complete, please provide a copy to the Council and the CAA.

Response:

As discussed in the response to CSC-41 and Petition Section 6.6, the Project is not anticipated to produce any direct or sky-reflected glare. Most commercially available PV panels, including those proposed for this Project, have been designed to minimize glare. In order to limit reflection, solar PV panels are constructed of dark, light-absorbing materials and are finished with an anti-reflective coating. Glare from solar panels is evaluated as part of the Federal Aviation Administration's Technical Guidance for Evaluating Selected Solar Technologies on Airports (the FAA Guide).¹ The FAA Guide estimates that current panel technology and design results in as little as 2% of the incoming sunlight being reflected, depending on the angle of the sun. In comparison, the FAA Solar Guide indicates that snow has a reflectivity of 80%, white concrete has a reflectivity of about 76%, and wood shingles have a reflectivity of 14%.

No formal glare study is required, and the FAA issued a Determination of No Hazard to Air Navigation on May 21, 2018. *See* Petition Exhibit R. As a result, the Petitioner does not anticipate the need for any glare studies.

¹ See FAA Guide at https://www.faa.gov/airports/environmental/policy_guidance/media/airport-solar-guide-print.pdf.

CERTIFICATION

I hereby certify that on January 3, 2019, the foregoing was delivered by electronic mail and regular mail, postage prepaid, in accordance with § 16-50j-12 of the Regulations of Connecticut State Agencies, to all parties and intervenors of record, as follows:

Maria S. Eldsen, Esq.
Acting Town Attorney
Town of Enfield
820 Enfield Street
Enfield, CT 06082
townattorney@enfield.org

A handwritten signature in black ink, appearing to read "David W. Bogan", with a long horizontal flourish extending to the right.

David W. Bogan
Commissioner of the Superior Court