



VIA ELECTRONIC MAIL AND FEDEX

July 3, 2019

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

RE: **PETITION NO. 1234** – DG Connecticut Solar, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction, maintenance and operation of a 2.8 Megawatt Solar Photovoltaic Electric Generating facility located at Becton, Dickinson & Company, 7 Grace Way, North Canaan, Connecticut.

Dear Ms. Bachman:

On behalf of DG Connecticut Solar, LLC and DG Northeast Portfolio 2020, LLC ("Petitioners") we have enclosed an original and fifteen copies of the Petitioners responses to the Connecticut Siting Council's ("Council") set of Interrogatories received June 25, 2019.

In addition to the responses the Petitioners are also including an update to the solar array layout for the roof, dated June 27, 2019. These drawings have been updated as a result of a drone survey of the building and panels have been relocated to avoid vents and other roof mounted obstructions.

Should you have any questions or concerns please do not hesitate to contact Joseph Hamel or myself.

Sincerely,

A handwritten signature in blue ink, appearing to read "B. Parsons".

Bradley J. Parsons, P.E.
Manager Civil Engineering

cc: Joseph Hamel, Next Era Energy Resources

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

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Petition No. 1234 – Amendment
DG Connecticut Solar, LLC and DG Northeast Portfolio 2020, LLC
Becton Dickinson & Co.
7 Grace Way
North Canaan, CT
Interrogatories

1. Referencing the June 17, 2019 Petition Amendment, was a structural analysis/review performed for the proposed loading on the roof associated with the additional 520-kW AC solar array with associated ballast mounts? Provide a copy of such analysis stamped by a Professional Engineer duly licensed in the State of Connecticut, or, alternatively, provide stamped structural drawing(s) for the additional rooftop solar array with associated ballast mounts.
 - a. **Yes, a structural analysis was performed for the additional 520-kW AC solar array.**
Please see the corresponding documentation titled “*BD Medical Photovoltaics Array II_Report*” stamped and signed by a Professional Engineer licensed in the State of Connecticut.
2. How would the proposed solar panel rack ballast mounts attach to the roof? Explain. How many solar panels would be installed on each rack? Would solar panels be oriented in a portrait or landscape orientation?
 - a. **The solar racking system will be anchored to the roof using cement ballast blocks. The weight of the ballast blocks plus the solar panels and racking material is enough to keep the solar array in place. The solar panels will be oriented in a landscape orientation. Each solar panel is independently affixed to its own ballast block mount.**
3. What is the maximum height of the solar panel installation above the top of the roof (i.e. the distance from the top of the roof to the top edge of the solar panels)? How does this compare with maximum height of the existing (approved) solar facility on the roof?
 - a. **The maximum distance from roof to top of the solar panels will be no greater than 12”. This is the same as the existing solar facility on the roof.**
4. Page 2 of the Petition Amendment notes that this additional solar array will connect to the building’s electrical system. Will all power produced be consumed by the building or will “excess” be fed back to the grid? If excess is fed back into the grid, was Eversource consulted regarding the interconnection or system impact, as applicable?
 - a. **All of the energy generated by the increased capacity of the Facility will be purchased by Becton-Dickinson. The only time energy would be exported to the grid is if the generation of the solar exceeds the consumption of the building, which would potentially only occur during holidays when the load of the building is significantly reduced. Eversource was consulted and is expected to complete their system impact study regarding this application by July 3, 2019.**
5. Site Plan G100 notes “6 inverters mounted at ground level.” Would they be located on a concrete pad, or attached to the side of the building (near ground level)?
 - a. **The inverters will be mounted on a strut rack directly adjacent to or on the side of the building at ground level.**