



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

December 28, 2021

Pat Hastings
SVP, Project Engineering and Delivery
Dynamic Energy Solutions, LLC
1550 Liberty Ridge Drive, Suite 310
Wayne, PA 19087
phastings@dynamicenergy.com

RE: **PETITION NO. 1472** – Dynamic Energy Solutions, LLC as agent for Stag Industrial Holdings, 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 1.5 megawatt AC solar photovoltaic electric generating facility located at 40 Pepes Farm Road, Milford, Connecticut, and associated electrical interconnection.

Dear Pat Hastings:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than January 18, 2022. Please submit an original and 15 copies to the Council's office and an electronic copy to siting.council@ct.gov. In accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies, the Council requests 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.

Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the January 18, 2022 deadline.

Copies of your responses are required to be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

A handwritten signature in black ink, appearing to read 'Melanie A. Bachman'.

Melanie A. Bachman
Executive Director

C: Service List
MB/RM

Petition No. 1472
Dynamic Energy Solutions, LLC
Milford Connecticut

Interrogatories

Project Development

1. What is the estimated cost of the project?

Proposed Site

2. Provide a map of the abutting properties and names of the abutting property owners.
3. What are the existing land uses abutting the site?
4. Referring to Petition p. 6, provide the address and direction of nearest residence.
5. Provide a legend for the land use map provided in Exhibit B.

Energy Output

6. What is the anticipated capacity factor of the project? Would the capacity of the system decline over time? If so, estimate annual losses.
7. Would the impact of soft shading, such as air pollution or hard shading, such as bird droppings, or weather events, such as snow or ice accumulation, hail, dust, pollen, etc. reduce the energy production of the proposed project? If so, was this included in the proposed project capacity factor assumptions? Would any of these expose the solar panels to damage? If applicable, what type of methods would be employed to clear the panels of the bird droppings, snow and ice accumulation, hail, dust or pollen and at what intervals?
8. Would prey shells from shorebirds damage or otherwise affect the Project? How can such damage be prevented?
9. Have any power purchase agreements been executed for the Project within the Shared Clean Energy Facility Program? If so, with what entities?
10. Is the project subject to a virtual net metering agreement? Would total project output be dedicated to virtual net metering?
11. Does the Petitioner have a contract to sell the electricity and renewable energy certificates (RECs) it expects to generate with the proposed project? If so, to which public utility? If the electricity is to be sold to more than one public utility, provide the percentage to be sold to each public utility.
12. Is the project being designed to accommodate a future potential battery energy storage system? If so, where would it be located?

Site Components and Solar Equipment

13. Referencing Drawing E-100, five PV systems are identified. Will these systems operate independently such that if an interconnection failure or maintenance shut down occurs at one, the others will continue to operate?

Interconnection

14. Referring to Petition p. 6, it states United Illuminating has contingently approved construction and interconnection of the project. Please explain.
15. Is the existing electric distribution three-phase or would it have to be upgraded from single-phase to three-phase?
16. For the five proposed utility poles, where is the point of change of ownership from Dynamic Energy Solutions, LLC to United Illuminating? Is it possible to reduce the number of utility poles required for the Project?
17. Would any of the power produced by the facility be used on-site? If so, identify the on-site use and the percentage of facility output consumed by this use.

Public Safety

18. Would the Petitioner conduct outreach/training to local emergency responders in the event of a fire or other emergency at the site?
19. In the event of a fire or emergency, describe procedures that will allow emergency responders to shut down the facility.
20. How would emergency responders access the solar facility?
21. If there is a structure fire or rooftop fire, what substances (water, foam etc.) can be used on the solar array to extinguish the fire?
22. Referring to Petition p. 6, submit documentation that indicates the project would not be a hazard to air navigation. Where is the nearest federally-obligated airport? Is a glare analysis required to comply with FAA policy?
23. What structural design standards were used to design the roof-mount solar panel racking system? What wind speed was used in the design calculations?

Environmental

24. For the ground mounted equipment area, were subsurface soils evaluated for hazardous contaminants? Would excavated soils require disposal at a hazardous materials facility?
25. Is the Project site within the Connecticut Coastal Zone Boundary? If yes, what affect would the Project have on coastal resources?

26. Although the ground equipment is located outside of the designated flood zone, what is the cost to elevate the ground equipment an additional foot above mean sea level?
27. Are there any recreational areas near the proposed site? If yes, describe the visibility of the proposed project from the recreational area(s).
28. Are there any national, state and/or locally-designated historic areas near the proposed site? If yes, describe the visibility of the proposed project from these area(s).
29. Are there any national, state and/or locally-designated scenic roads near the proposed site? If yes, describe the visibility of the proposed project from these road(s).

Facility Construction

30. Where would the construction staging area be located?
31. Is notification required to the Metro North Railroad or the FAA for use of cranes at the site?
32. Would the proposed installation affect existing rooftop stormwater drainage? How is rooftop stormwater captured and where is it discharged?

Maintenance/Decommissioning

33. Has the manufacturer of the proposed solar panels conducted Toxicity Characteristic Leaching Procedure (TCLP) testing to determine if the panels would be characterized as hazardous waste at the time of disposal under current regulatory criteria? If so, submit information that indicates the proposed solar modules would not be characterized as hazardous waste. If not, would the Petitioner agree to install solar panels that are not classified as hazardous waste through TCLP testing?
34. What is the cleaning interval of the solar panels? What substances would be used to clean the panels?