



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

December 20, 2016

Justin Adams

Justin.adams@bloomenergy.com

RE: **PETITION NO. 1274** - Bloom Energy Corporation, as an agent for Frontier Communications Corporation, petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction, operation and maintenance of a Customer-Side 200-Kilowatt Fuel Cell Facility to be located at the Frontier building, 39 West Street, Danbury, Connecticut.

Dear Mr. Adams:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than December 29, 2016. 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 send a copy via electronic mail. 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 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.

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.

Yours very truly,

Melanie Bachman

Acting Executive Director

MB/MP

c: Council Members

Petition No. 1274
Bloom Energy Corporation
39 West Street
Danbury, CT
Interrogatories

1. Provide the certified mail receipts for all recipients that were provided notice including the abutting property owners, state agencies, and state and local public officials.
2. The header on page 1 of the Petition mentions a “1.4 megawatt” fuel cell. The remainder of the Petition states that it would be used to supply 200 kilowatts (kW). The Specifications Sheet states that the net base load output is 250 kW. Is the unit capable of 250 kW but would likely only be used to supply 200 kW? Please clarify.
3. Page 3, Section B(i) of the Petition states that the Energy Server is approximately 26 feet long. Site Plan 2.0 shows the Energy Server with an overall length of approximately 29-foot 3-inches. Please clarify.
4. Is ANSI-CSA America FC 1-2004 the most up to date standard for Stationary Fuel Cell Power Systems? Or is there a 2014 version? If yes, would the proposed fuel cell facility be compliant with the 2014 version of the standard? Explain.
5. What is the operational life of the facility?
6. Please identify media to be used for pipe cleaning procedures at the proposed facility in accordance with Public Act 11-101, An Act Adopting Certain Safety Recommendations of the Thomas Commission.
7. Would the proposed facility be enclosed by a fence? Provide the design specifications of the proposed fence. If the proposed fence is chain link, has Bloom Energy Corporation considered an anti-climb design?
8. What is the distance and direction of the nearest residence from the proposed fuel cell facility?
9. Provide the distance and direction of the nearest wetland.
10. Is the proposed facility within a Department of Energy and Environmental Protection-designated Aquifer Protection Area?
11. Page 6 of the Petition states that the Natural Diversity Database has shown no known occurrences of State-listed species within the proposed facility location. Provide a Natural Diversity Database map showing the proposed facility.
12. What is the distance and direction of the proposed facility to the nearest airport? Did the petitioner provide notification to the Federal Aviation Administration regarding the proposed fuel cell facility?
13. Provide information regarding available technologies and/or mitigation techniques to reduce greenhouse gas emissions from the proposed facility.
14. On Table 2 on page 10 of the Petition, do the “Bloom Output” emissions rates match the Specifications Sheet for the Bloom Energy Server 5? Why are they different? Please provide the correct information.
15. Would the proposed facility’s air emissions rate in pounds of CO₂ per megawatt-hour be lower than the eGRID fossil fuel emissions rate for the ISO New England, Inc. territory?

16. If the proposed facility is approved, approximately when would construction commence and when is it expected to be completed and operational? What are the expected typical work hours and days of the week that construction would occur?
17. Provide a decommissioning plan for the proposed facility.