



VIA ELECTRONIC MAIL

May 18, 2020

Melanie Bachman
10 Franklin Square
New Britain, CT 06051

RE: PETITION NO. 1404 - Bloom Energy Corporation petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1350-kilowatt customer-side fuel cell facility and associated equipment to be located at Southern Connecticut State University, East Campus, 501 Crescent Street, New Haven, Connecticut.

Dear Ms. Bachman:

Please see the attached responses to the interrogatories provided to Bloom Energy on May 13, 2020.

Sincerely,

A handwritten signature in black ink, appearing to read "Justin Adams".

Justin Adams
Permitting Manager

Bloomenergy

Connecticut
860.839.8373
justin.adams@bloomenergy.com

c: Nedal Sumrein, Bloom Energy Corporation

**Petition No. 1404
Bloom Energy Corporation
Southern Connecticut State University
501 Crescent Street, New Haven, Connecticut
Interrogatories**

1. Is the project interconnection required to be reviewed by ISO-NE?

Yes, ISO-NE will review the proposed project. Per the ISO-NE planning procedure PP5-1, Bloom must submit a completed generator notification form to ISO-NE's reliability committee.

2. Was the project selected for the LREC/ZREC Program?

Yes, the project was selected for the LREC Program.

3. Please clarify the percentage of site load served by the unit (differing values are given on Petition p. 3 and Exhibit 3).

The value of 58% provided on Petition p. 3 should read 66% as noted in Exhibit 3.

4. Please explain why there is no useful waste heat generated by the fuel cell that can be used in a combined heat and power (CHP) application?

Bloom utilizes the heat generated via the internal electrochemical reaction to increase the overall electrical efficiency of the system output and thus does not require an external heat sync to increase efficiency.

5. Has there been any discussion with SCSU relating to a potential CHP application? If so, what was the outcome?

Yes, a CHP application was discussed with SCSU. As noted in the previously, this would not result in an increased efficiency of the electrical output and would also have a negative effect on the costs associated with installing the system. Therefore, SCSU saw little reason to pursue this option.

6. What are the proposed Project construction hours/days of the week?

During construction Bloom expects to be onsite between 7:00AM and 5:00PM Monday thru Friday. There are currently no plans to perform any work on the weekends.

7. Will fuel cell operation/emergency training be conducted with City of New Haven Emergency responders?

Yes, as part of the building permit application review process the New Haven Fire Marshal/Emergency Management Department will review the project. During this review, Bloom will provide any on-site training requested by local officials.

8. Please identify media to be used for pipe cleaning procedures at the proposed facility in accordance with Connecticut General Statutes §16-50ii as referenced on Petition p. 6.

Nitrogen will be used for the pipe cleaning procedures at the proposed facility.

9. Does Bloom intend to reach out to the City Fire Marshal regarding natural gas pipe cleaning procedures prior to submission of a pipe cleaning plan/protocol?

Yes, as part of the building permit application review process the New Haven Fire Marshal will review the project and Bloom will provide additional information as requested.

10. What are the predicted exterior noise levels at both Earl Hall and the Lyman Center?

The predicted exterior noise levels at Earl Hall and the Lyman Center would be 54.1dB and 64.4 respectively. The predicted noise levels are based on a measured distance from the fuel cell to an exterior point on identified structures.

11. Referring to petition Section III, has the City commented on the proposal?

Yes, please see the attached email correspondence from the City. The additional criteria noted in the email response would not be triggered by this proposed work.

12. Are there any safety concerns related to accidental/intentional tampering with valves, switches, coverings or other fuel cell components as the site is located adjacent to a sidewalk?

The proposed energy server has redundant safety features and in-system checks to ensure personnel safety. While the actual fuel cells operate at high temperatures, these components do not move and are contained within many layers of insulation. It is safe to stand adjacent to the equipment as all moving parts and hot surfaces are protected by the locked outer panels. They would be locked at all times during normal operation and therefore tamper resistant.

13. What is the proposed height of the landscape shrubs at planting?

The landscaping would be 6 feet in height and grow to be at least as tall as the 8 feet to provide a vegetative buffer.

From: Aicha Woods
To: [Jennifer Young Gaudet](#)
Cc: [Stacey Davis](#)
Subject: RE: Bloom Energy - Southern Connecticut State University
Date: Wednesday, May 13, 2020 4:22:00 PM
Attachments: [image001.png](#)

Hi Jennifer,

Unless any of the following criteria apply, it should only need a building permit (no SPR application).

A soil erosion and sediment control plan (hereinafter SESC plan shall be submitted with any (2) application for development when (I) the site of such development is one-half acre or more, unless exempted in subsection [58\(e\)](#) below; or (II) more than 30% the total lot area will be regarded by more than two feet; or (III) more than 800 cubic yards of soil and/or rock will be moved, removed or added; or (IV) the site contains slopes of greater than 15 percent; or (V) the application pertains to any site within the coastal boundary as defined in Section 22A-94 of the General Statutes.

From: Jennifer Young Gaudet <jyounggaudet@allpointstech.com>
Sent: Wednesday, May 13, 2020 3:31 PM
To: Aicha Woods <AWoods@newhavenct.gov>
Subject: FW: Bloom Energy - Southern Connecticut State University

Please be cautious

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms Woods:

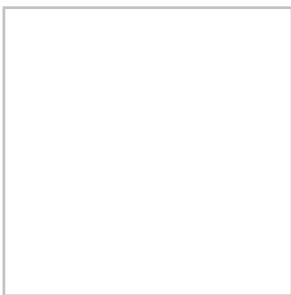
I hope you have had an opportunity to review the attached plans for Bloom's proposed fuel cell installations at Southern. The petitions have been filed and are under review by the Connecticut Siting Council. If you or other representatives of the City have any comments to offer, they may be provided either to me or directly to Justin Adams at Bloom Energy, justin.adams@bloomenergy.com.

Thank you.

Jennifer Young Gaudet
Program Manager

D: 860.581.4478
M: 860.798.7454
E: jyounggaudet@allpointstech.com

All-Points Technology Corporation, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385



Please note our new corporate office address

From: Jennifer Young Gaudet
Sent: Friday, April 17, 2020 3:57 PM
To: 'Aicha Woods' <AWoods@newhavenct.gov>
Subject: Bloom Energy - Southern Connecticut State University

Dear Ms Woods:

All-Points Technology is working with Bloom Energy on plans for fuel cell installations at the Southern Connecticut State University campus. Bloom will submit a petition to the Connecticut Siting Council for approval; separate petitions are planned for each location. In preparation for the filing, we are seeking any comment you or other appropriate City staff may have on the proposed plans.

Two installations are planned, one on the East Campus behind Earl Hall and one on the North Campus behind the Energy Center. Attached are plans depicting the proposed installations.

I am available to discuss the plans or answer any questions you may have. I can be reached by phone at the number below or by e-mail. We recognize that the City is operating under significant restrictions due to the Covid-19 situation, and that you may not be able to respond in as timely a manner as usual. Just prior to submission, you and other municipal officials will receive notice of the Petition to the Siting Council. Please be assured that we will work with you to respond to any comments when received.

Thank you.

Jennifer Young Gaudet

Jennifer Young Gaudet

Program Manager

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