

April 27, 2023

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

RE: PETITION NO. 1561 - 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 customer-side 350-kilowatt fuel cell facility and associated equipment to be located at Naugatuck Valley Community College, 750 Chase Parkway, Waterbury, Connecticut.

Dear Ms. Bachman:

Please see the attached responses to interrogatories provided to Bloom Energy on April 24th, 2023.

Respectfully,

Kristen Grillo Senior Permitting Specialist | East Coast Field Office Customer Installations Group | North America (917) 803-4511 Kristen.Grillo@bloomenergy.com



Bloom Energy Corporation 4353 North First Street, San Jose, CA 95134 408 543 1500 www.bloomenergy.com

Petition No. 1561 Bloom Energy Corporation (Bloom) Naugatuck Valley Community College 750 Chase Parkway Waterbury, Connecticut Interrogatories

April 27, 2023

Notice

 Referencing page 10 and Exhibit 8 of the Petition, has the City of Waterbury, the Town of Middlebury and/or any abutters provided comments to Bloom since the Petition filing? If so, please summarize the comments and how these comments were addressed.
 Response: Since the Petition filing, no comments were received from the City of Waterbury or the Town of Middlebury. An abutters inquiry was received on March 14th by Marcel Rodriguez, Property ID 0338-0065-001, 68 Northwood Drive. A preliminary site plan and photo of the proposed installation site was provided. Please see Attachment #1.

Project Development

2. Is the project, or any portion of the project, proposed to be undertaken by state departments, institutions, or agencies, or to be funded in whole or in part by the state through any contract or grant?

Response: No. No portion of the project is proposed to be undertaken by state departments, institutions, or agencies. The project will not be funded in whole or in part by the state through any contract or grant.

- 3. What is the estimated cost of the proposed project? **Response: The estimated cost of the project is \$1,277,600.**
- 4. Referencing the Petition pages 1 and 7, the facility was selected as part of the LREC program under Connecticut General Statutes §16-244t. Was the facility selected as part of the Non-Residential Renewable Energy Solutions (NRES) Program, which is the successor to the LREC program as of June 30, 2021? If so, what are the differences in program administration and/or requirements for the facility?

Response: Petition pages 1 and 7 should be corrected to state that the facility has been selected by the NRES Program. The primary difference between the LREC and NRES programs is that NRES agreements are for 20 years while LREC is for 15 years. NRES has 2 different program options; "Buy-All" or "Netting". The Netting option is very similar to LREC and this site has selected to use the Netting option.

Proposed Site

5. What is the distance and direction of the nearest off-campus residence from the proposed fuel cell facility?

Response: The nearest off-campus residence, 62 Janwood Road, Waterbury CT, is located approximately 480 feet to the South West of the proposed fuel cell facility.

6. What is the distance and direction from the proposed fuel cell facility to the Max R. Traurig Library?

Response: The building in which the Max. R. Traurig Library is in is approximately 85 feet to northeast of the proposed fuel cell facility.

7. Would the proposed facility be enclosed by a fence? Provide the design specifications of the proposed fence. Would bollards be used to protect the fuel cell facility? Response: The proposed facility will not be enclosed by a fence. Bollards are not proposed because vehicle travel ways and parking are not proximate to the installation.

Site Components/ Interconnection

- 8. Drawing No. C1.1 of Exhibit 3 appears to show two existing underground utility lines run across the location of the proposed facility. How would construction protect the existing utility lines? Response: There is an existing abandoned-in-place communication duct bank directly under the proposed fuel cell location at a depth of approximately 7 ft. There are also two chilled water lines just beyond the fuel cell's asphalt service area at a depth of approximately 5 ft. No equipment is proposed over these chilled water lines and Bloom does not expect construction activities to reach more than 5 feet below grade. Bloom's contractor is responsible for locating existing utilities prior to commencing construction activities.
- 9. Referencing page 3 of the Petition, what is the status of the Interconnection Application? **Response: The Interconnection Application has been submitted and is under review.**
- Referencing page 3 of the Petition, has the natural gas interconnection point for the facility been determined? If so, please identify the location of the gas utility interconnection point.
 Response: The gas interconnection point is located approximately 200 ft to the East of the fuel cell installation.

Public Safety

- Referencing page 4 of the Petition, 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.
 Response: The media to be used for the pipe cleaning procedures at the proposed facility would be nitrogen.
- Referencing the proximity of the proposed facility to the 100 year flood zone as shown in Exhibit 5 of the Petition, would Bloom consider elevating the base of the fuel cell? How high would the facility be elevated? What would be the additional cost? –
 Response: After consultation with the University when selecting the location, Bloom has not considered elevating the base of fuel cell.
- 13. Footnote 2 on page 4 of the Petition references the 2015 edition of the National Fire Protection Association (NFPA) 853 standard. The State of Connecticut has adopted the 2020 NFPA standard. Would the proposed facility be installed in accordance with the most recent standards?

Response: Yes, the proposed facility will be installed in accordance with the most recent 2020 NFPA standards.

- 14. What security measures would be employed to protect the fuel cell units/components from vandalism or intrusion?
 Response: The fuel cells are tamper-proof; the internal components of the system cannot be accessed without a unique key that is needed to open the servers, preventing anyone that is non-essential personnel from accessing them.
- Would lighting be used on site? If so, for what purpose and what type would be installed (e.g motion activated, preset timer...)?
 Response: The Facility will not use any lighting. Given its proximity to other university infrastructure, it is likely that ambient lighting is present after dark.

Environmental

- 16. What is the distance of the proposed facility to Welton Brook and the pond southwest of the facility? Would any erosion and sedimentation control measures be implemented, consistent with 2002 Connecticut Guidelines for Erosion and Sediment Control, and/or any additional measures be taken to protect these resources? Explain.
 Response: Typical concrete washout and storm drain details are provided; please see Attachment #2.
- 17. Referencing Petition page 8, Bloom used the 2020 eGRID data to calculate the potential reduction in carbon emissions and other air emissions. Is there more recent eGRID data available from the U.S. Environmental Protection Agency? Would that more recent eGRID data change the results provided?

Response: The eGrid data percentage provided in the Petition at Page 8 is based on the most recent eGRID data; "2021" should be substituted for "2020".

18. Would any trees need to be removed for installation of the proposed facility? **Response: No trees will need to be removed for the installation of the proposed facility.** Attachment #1: Abutters Inquiry

Kristen Grillo

From:Kristen GrilloSent:Tuesday, March 14, 2023 3:39 PMTo:marcelautomotive@aol.comSubject:RE: NVCC - 750 Chase Parkway, WaterburyCTAttachments:CSCU - Bloom Waterbury Installation - Proposed Site Plan.pdf

Hi Marcel - Good afternoon,

Attached please find a preliminary site plan which shows the proposed installation site. Also please find some photos below that show a ground level view of the proposed installation area.

We appreciate you reaching out to discuss the proposed project. If you have any further questions or if any of the material presented requires further clarification, please don't hesitate to call me. Thank you.



Image 1 - Front of Fuel Cell Install Area



Image 2 - Back of Fuel Cell



Image 3 - Left of Fuel Cell Install Area



Image 4 - Right of Fuel Cell



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From: marcelautomotive@aol.com <marcelautomotive@aol.com>
Sent: Monday, March 13, 2023 3:18 PM
To: Kristen Grillo <Kristen.Grillo@bloomenergy.com>
Subject: NVCC

EXTERNAL EMAIL

I have received a letter from your company about a power plant that they want tobuild at the Naugatuck Valley Community College in Waterbury CT

It does not state were on the property they are looking to build it and if there is somewhere we can see it on a map Thanks

Marcel Rodriguez

Attachment #2: Concrete Washout & Storm Drain Details

