

# What Powers You

April 14<sup>th</sup>, 2022

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

**RE: PETITION NO. 1493** - 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 1.5-megawatt fuel cell facility and associated equipment to be located at St. Mary's Hospital, 56 Franklin Street, Waterbury, Connecticut.

Dear Ms. Bachman:

Please see the attached responses to the interrogatories provided to Bloom Energy on April 4<sup>th</sup>, 2022.

Respectfully,



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**Petition No. 1493  
Bloom Energy Corporation  
St. Mary's Hospital  
56 Franklin Street  
Waterbury, Connecticut  
Interrogatories**

1. Page 1 of the Petition references a 15 year purchase agreement with Trinity Health; Page 3 of the Petition references a 6 year contract with Trinity Health. Please clarify.

**Response: The reference on page 3 is incorrect; the term length for Bloom's purchase agreement with Trinity Health is 15 years.**

2. What is the estimated cost of the proposed project?

**Response: The estimated cost of the project is \$1,690,359.00**

3. Referring to Petition Page 10, has the City and/or abutters provided comments to Bloom since the Petition filing? If yes, summarize the comments.

**Response: No comments have been provided by the City and/or the abutters notified.**

4. Referring to Petition Exhibit 4, identify the location of the fuel cell facility on the photos.

**Response: Please see Attachment 1 for photo markups that identify the location of the fuel cell facility,**

5. Referring to Petition Exhibit 6 on p. 12, will Bloom provide a copy of the Fuel Cell Emergency Response Plan and conduct fuel cell operation/emergency training with City of Waterbury emergency responders prior to the commencement of facility operation?

**Response: Yes, Bloom will be in contact with the Waterbury Fire Marshal prior to commissioning of the facility to offer training and presentation of the fuel cell facility as desired by City representatives.**

6. Referring to Petition p. 4 paragraph 2, identify the 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 and Connecticut General Statutes § 16-50ii.

**Response: The media to be used for the pipe cleaning procedures at the proposed facility would be compressed air.**

7. Referring to Petition page 7, provide the calculation supporting the reduction in carbon emissions by more than 25%.

**Response: The characterization of reduction in carbon emissions on page 7 of the Petition inadvertently overstated the reduction due to use of outdated eGrid value comparisons. The most recent (2020) eGrid values reflect the increasing use of cleaner generation. The decrease in the 2020 input numbers results in a decrease from approximately 25% to 13%.**

**The updated emission calculation is as follows:**

**Input variables:**

- NPCC New England subregion, Non-baseload output emission rates CO<sub>2</sub>e = 886.9 lb/MWhr, Grid Gross Loss = 5.3%
- Bloom Average emission rate CO<sub>2</sub>e = 818 lb/MWhr
- $((886.9 * 1.053) - 818) / 886.9 * 100 = 13\%$  CO<sub>2</sub>e improvement when choosing Bloom power over the non-baseload grid power.

8. Provide typical construction workdays and hours.

**Response: Monday through Friday, 7am-5pm**

## **Attachment 1: Fuel Cell Facility Location Photos**



Looking west toward Hospital and former Franklin Street; proposed fuel cell location at right



Looking northeast toward proposed fuel cell location (left side of photo)