

What Powers You

May 4th, 2022

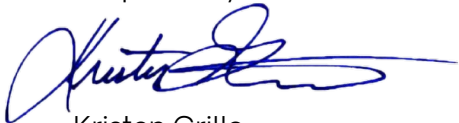
Melanie Bachman, Esq.
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: PETITION NO. 1498 - 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 2-megawatt fuel cell facility and associated equipment to be located at Americold Logistics LLC, 24 Northwest Drive, Plainville, Connecticut.

Dear Ms. Bachman:

Please see the attached responses to the interrogatories provided to Bloom Energy on April 20th, 2022.

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. 1498
Bloom Energy Corporation
Americold – 24 Northwest Drive, Plainville
Interrogatories**

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

Response: \$1,679,265.00

2. Referring to Petition, p. 10, have the Towns of Plainville and Farmington and/or abutters provided comments to Bloom since the Petition filing? If yes, summarize the comments.

Response: Yes, Plainville Town Planner Mark DeVoe, on behalf of the Planning and Zoning Commission, requested additional information. Bloom provided the Petition package and photographs of existing installations. In an April 28, 2022 email (copied to Ms. Bachman), Mr. DeVoe confirmed that the Planning and Zoning Commission had no additional comments. . Please see Attachment #1.

Neither the Town of Farmington nor any abutters contacted Bloom.

3. Referring to Petition p. 4, 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.

4. Would any surplus electricity be exported to the grid, or is all of the output expected to be utilized internally by Americold?

Response: All of the output is expected to be utilized by the Americold facility, with no export to the grid.

5. Would the facility operate as an emergency generating device or under an ISO-NE or Eversource Energy demand response program?

Response: The facility will not operate as an emergency generating device or under an ISO-NE (not required) or any particular response program under Eversource. The project has been reviewed and approved by Eversource for normal operations.

6. What percentage of the estimated building base load would the proposed 2 MW fuel cell facility serve in total?

Response: Due to the new building construction of the Americold facility, we do not have accurate building load data to this Greenfield building. We anticipate the percentage of building load would range from 50-70%, depending on what the final building load ends up being.

7. Was this project selected by the Department of Energy and Environmental Protection in a request for proposals?

Response: No, this project was not selected by the Department of Energy and Environmental Protection.

8. Referring to page 1 of the Petition, please provide information regarding the 6-year managed services agreement with Americold.

Response: Under a 6-year managed services agreement, Americold has signed up for a monthly fixed payment in exchange for the energy generated onsite. After year 5, Americold has the option to extend the agreement for another 5 years or to terminate. Should the agreement be terminated, the Bloom equipment would be removed.

9. What site security measures would be employed to protect the facility?

Response:

The fuel cells are tamper-proof and the internal components of the system cannot be accessed by the public, as a special key is needed in order to open the servers. No need for site security measures beyond any planned by Americold for its operations is anticipated.

10. Due to the fuel cell location adjacent to parking lot spaces, are bollards or other vehicle impact protection measures proposed? If yes, revise the site plan to include such measure(s). If no, what vehicle impact protection measures are proposed for this area?

Response: No vehicle impact protections are proposed. The proposed Facility is located approximately 25' from the parking spaces, with a 6" high curb, a sidewalk, and a landscaped area intervening.

11. Referring to Petition p. 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 CO₂e = 886.9 lb/MWhr, Grid Gross Loss = 5.3%
- Bloom Average emission rate CO₂e = 818 lb/MWhr
$$(((886.9 * 1.053) - 818) / 886.9) * 100 = 13\% \text{ CO}_2\text{e improvement when choosing Bloom power over the non-baseload grid power.}$$

12. What is the current construction status of the Americold warehouse?

Response: The exterior of Americold's warehouse is completed. Interior fit-out is still under way.

Attachment 1: Town of Plainville Correspondence

Kristen Grillo

To: Kristen Grillo
Subject: RE: Bloom Energy at Americold in Plainville

From: Jennifer Young Gaudet
Sent: Thursday, April 28, 2022 4:19 PM
To: 'Mark Devoe' <devoe@plainville-ct.gov>
Cc: Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>
Subject: RE: Bloom Energy at Americold in Plainville

Hi Mark,

Thank you for letting me know. I'm glad that the information we provided was responsive and helpful.

Jennifer

JENNIFER YOUNG GAUDET
PROGRAM MANAGER

M | 860.798.7454
All-Points Technology Corporation

From: Mark Devoe <devoe@plainville-ct.gov>
Sent: Thursday, April 28, 2022 4:17 PM
To: Jennifer Young Gaudet <jyounggaudet@allpointstech.com>
Cc: Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>
Subject: Bloom Energy at Americold in Plainville

Hi Jennifer,

The PZC had no additional comments on the proposed fuel cell installation.

Mark DeVoe
Town Planner
Town of Plainville
One Central Square
Plainville, CT 06062
(860) 793-0221 Ext. 7177
devoe@plainville-ct.gov

Kristen Grillo

From: Mark Devoe <devoe@plainville-ct.gov>
Sent: Thursday, March 31, 2022 1:05 PM
To: Kristen Grillo
Subject: Re: Bloom Energy Fuel Cell Proposal - Americold Facility, Plainville, CT

EXTERNAL EMAIL

Perfect Kristen,

Thank you.

Mark DeVoe
Town Planner
Town of Plainville
One Central Square
Plainville, CT 06062
(860) 793-0221 Ext. 7177
devoe@plainville-ct.gov

From: Kristen Grillo <Kristen.Grillo@bloomenergy.com>
Sent: Thursday, March 31, 2022 12:28 PM
To: Mark Devoe <devoe@plainville-ct.gov>
Cc: Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>; Jennifer Young Gaudet <jyounggaudet@allpointstech.com>
Subject: RE: Bloom Energy Fuel Cell Proposal - Americold Facility, Plainville, CT

Thank you, Mark. I've attached some photos of a few completed installs as well, hoping that this will also help with getting a better sense and visual of what the units will look like once the fuel cells are installed.



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

From: Mark Devoe <devoe@plainville-ct.gov>
Sent: Thursday, March 31, 2022 11:58 AM
To: Kristen Grillo <Kristen.Grillo@bloomenergy.com>
Cc: Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>; Jennifer Young Gaudet

<jyounggaudet@allpointstech.com>

Subject: Re: Bloom Energy Fuel Cell Proposal - Americold Facility, Plainville, CT

EXTERNAL EMAIL

That works Kristen.

Let me take a look. Based on its size, I'll try to extract what I know they'll be interested in and get it out to them ASAP. If anything, I think they might like to see what the units will look like in some sort of photo sim. I can use my imagination and I'll try to get them on the same page.

Mark

Mark DeVoe
Town Planner
Town of Plainville
One Central Square
Plainville, CT 06062
(860) 793-0221 Ext. 7177
devoe@plainville-ct.gov

From: Kristen Grillo <Kristen.Grillo@bloomenergy.com>

Sent: Thursday, March 31, 2022 9:26 AM

To: Mark Devoe <devoe@plainville-ct.gov>

Cc: Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>; Jennifer Young Gaudet <jyounggaudet@allpointstech.com>

Subject: RE: Bloom Energy Fuel Cell Proposal - Americold Facility, Plainville, CT

Good morning Mark,

I'd like send you and the Commission the complete petition package that we've sent to the Siting Council for your review, which provides a lot of detail about the installation and also includes photos of the proposed installation location. Please use the link below to access the file, as it was too large to attach here in this email.

If the Commission feels a presentation is still needed after reviewing this material, it would be helpful to know what additional information they would need. Let me know your thoughts once you've reviewed it and please don't hesitate to call me if you have any questions.

Appreciate your time - thank you very much.

Bloom Energy-Americold Installation, PlainvilleCT | CSC Petition Package

Password: PktGc9Lv

<https://bloomenergy.egnyte.com/dl/rfrRDF0sn6>



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

From: Mark Devoe <devoe@plainville-ct.gov>
Sent: Wednesday, March 30, 2022 11:56 AM
To: Kristen Grillo <Kristen.Grillo@bloomenergy.com>
Cc: Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>
Subject: Re: Bloom Energy Fuel Cell Proposal - Americold Facility, Plainville, CT

EXTERNAL EMAIL

Hello Ms. Grillo,

We can offer you an audience before the Plainville Planning and Zoning Commission on April 12 or May 10 of 2022 to discuss your proposal for a Fuel Cell array at 24 Northwest Drive in Plainville, CT.

We do not know at this time that any recommendation will be made to the CSC by the Planning and Zoning Commission; however, they have requested an informal presentation and will reserve the right to do so after gathering more specific information from Bloom Energy.

Thank you in advance for your timely reply.

Mark DeVoe
Town Planner
Town of Plainville
One Central Square
Plainville, CT 06062
(860) 793-0221 Ext. 7177
devoe@plainville-ct.gov

From: Mark Devoe <devoe@plainville-ct.gov>
Sent: Tuesday, March 29, 2022 2:16 PM
To: Kristen.grillo@bloomenergy.com <Kristen.grillo@bloomenergy.com>
Cc: Jennifer Young Gaudet <jyounggaudet@allpointstech.com>; Melanie A. Bachman (Melanie.Bachman@ct.gov) <melanie.bachman@ct.gov>; Bill Davison <wwdavison@aol.com>; Glenn Petit <glennfpetit@yahoo.com>; Jennifer Bartis-Earley <jabdag@aol.com>; Matthew Weimer <mweimer19@gmail.com>; Pete Saucier <pennys.playground@snet.net>; William Ricci <archangelapollo@yahoo.com>; Kurt Stephens <k.m.stephensjr@gmail.com>; Jennifer Dahlstrom (jennifer_dahlstrom@yahoo.com) <jennifer_dahlstrom@yahoo.com>
Subject: Bloom Energy Fuel Cell Proposal - Americold Facility, Plainville, CT

Hello Kristen,

I wanted to reach out early on to put you on notice that the Plainville Planning and Zoning Commission will be requesting a presentation of the plan for Fuel Cell installation at the Americold facility in Plainville. The Commission is aware of jurisdictional issues but they would like to know more about what the cells will look like in the spot they are proposed. They also would like every opportunity to make comments during the CSC approval process. We feel it is best that any concerns first be discussed with the applicant.

I understand this notification may be premature and will look for the required notifications once you make the Docket at CSC. In the meantime, we look forward to learning more about the installation and the technology.

Thank you,

Mark DeVoe
Town Planner
Town of Plainville
One Central Square
Plainville, CT 06062
(860) 793-0221 Ext. 7177
devoe@plainville-ct.gov

This email, including any attachments, may contain information that is confidential or proprietary. It is intended solely for the use of the individual(s) or entity to which it is addressed. If you received this email and are not an intended recipient, any disclosure, distribution, copying or other use or retention of this email or information contained within it are prohibited. If you received this email in error, please notify the sender via email and also permanently delete all copies of the original message together with any of its attachments from your computer or device.

This email, including any attachments, may contain information that is confidential or proprietary. It is intended solely for the use of the individual(s) or entity to which it is addressed. If you received this email and are not an intended recipient, any disclosure, distribution, copying or other use or retention of this email or information contained within it are prohibited. If you received this email in error, please notify the sender via email and also permanently delete all copies of the original message together with any of its attachments from your computer or device.