



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

March 27, 2020

Justin Adams
Paul Evan
Bloom Energy Corporation
4353 North First Street
San Jose, CA 95134

RE: **PETITION NO. 1387** - Bloom Energy Corporation declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a grid-side 10-megawatt (MW) fuel cell facility and associated equipment to be located at Eversource Energy's existing Judd Brook electric distribution substation, 160 Old Amston Road, Colchester, Connecticut.

Dear Mr. Adams & Mr. Evan:

At a public meeting of the Connecticut Siting Council (Council) held on March 26, 2020, the Council considered and approved the Development and Management (D&M) Plan submitted for this project on February 19, 2020 with the following conditions:

1. Submit a drawing depicting the location of the laydown area, the material stockpile location and revised Drawing Nos. G1.1, C1.1 and C2.4 to depict the final erosion and sedimentation control measures consistent with the Wetland and Vernal Pool Protection Plan prior to commencement of construction; and
2. Submit a copy of the final results of the ISO-NE project interconnection review.

This approval applies only to the D&M Plan submitted on February 19, 2020 and supplemental data dated March 11, 2020 and March 13, 2020. Requests for any changes to the D&M Plan shall be approved by Council staff in accordance with Regulations of Connecticut State Agencies (RCSA) §16-50j-62(b). Furthermore, the project developer is responsible for reporting requirements pursuant to RCSA §16-50j-62.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the Council's decision on the petition dated January 6, 2020 and in the D&M Plan dated February 14, 2020 and supplemental information dated March 11, 2020 and March 13, 2020.

Enclosed is a copy of the staff report on this D&M Plan, dated March 26, 2020.

Thank you for your attention and cooperation.

Sincerely,

s/Melanie A. Bachman

Melanie A. Bachman, Esq.
Executive Director

MAB/MP/lm

Enclosure: Staff Report dated March 26, 2020



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Petition No. 1387
Bloom Energy Corporation
Development & Management Plan
160 Old Amston Road, Colchester
Staff Report
March 26, 2020

On January 6, 2020, the Connecticut Siting Council (Council) issued a Declaratory Ruling to Bloom Energy Corporation (Bloom), pursuant to Connecticut General Statutes §4-176 and §16-50k, for the construction, maintenance, and operation of a 10 megawatt (MW) grid-side fuel cell facility at 160 Amston Road, Colchester, Connecticut. In its Declaratory Ruling, the Council required Bloom to submit a Development and Management Plan (D&M Plan). On February 19, 2020, Bloom submitted its D&M Plan for this project. Copies of the D&M Plan were provided to the Town of Colchester on or about February 18, 2020. No comments have been received to date. On March 4, 2020, the Council submitted interrogatories to Bloom. On March 12, 2020, Bloom submitted responses to Council interrogatories.

The project will be on an approximately 12.7 acre parcel of property located south of Old Amston Road and east of the Air Line Trail and owned The Connecticut Light and Power Company d/b/a Eversource Energy (Eversource). The parcel is located in the Town of Colchester's (Town) Suburban Zone and contains Eversource's existing Judd Brook Substation in the northeastern portion of the parcel.

The approved fuel cell project includes four sections or Stamps. Each 2.5 MW Stamp would consist of the following: five 300-kW fuel cell units; four 250-kW fuel cell units; and other associated equipment.

The Declaratory Ruling requires the following information to be included in the D&M Plan:

- a. A final site plan including, but not limited to, final fuel cell layout, access road, electrical, water and natural gas connections from the facility to the street, and equipment pads;**

The final site plan on Drawing No. C1.1 includes the fuel cell layout, the access drive, utility connections from the facility to the street, and equipment pads. The site layout is substantially the same as the originally approved layout. However, Bloom has shifted its medium voltage switchgear pad to the northeast in order to leave more space between Stamps A&B and Stamps C&D for vehicles entering the compound. Bollards would be installed to protect the gas meter and regulator assembly located adjacent to the access road.

- b. Copy of DEEP General Permit;**

On March 13, 2020, Bloom submitted a copy of its General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities dated February 21, 2020.

- c. Construction site plans that comply with the DEEP-approved Stormwater Pollution Control Plan that include, but are not limited to, site clearing, grading, site phasing, construction laydown areas, erosion and sedimentation controls, and details regarding construction-related environmental mitigation measures that include the final culvert replacement plans;**

The tree clearing area identified on Drawing No. C1.1 of the D&M Plan totals about 1.1 acres.

A Grading Plan is identified on Drawing No. C1.2.

The D&M Plan drawings depict one phase of clearing.

The Town of Colchester has provided use of its existing laydown area adjacent to the Air Line Trail for use during construction. In its response to question one of the Council's interrogatories, Bloom indicated that the Overall Wetland Map (which was not attached) outlined the laydown area. Council staff suggests that a drawing depicting the laydown area location be submitted prior to construction.

Bloom has included its erosion and sedimentation control plan (E&S Control Plan) consistent with the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control*. The E&S Control Plan is included on Drawing No. C2.4.

Construction-related Environmental Measures including Final Culvert Replacement Plans

In the Petition filing, Bloom noted that the installation of the natural gas and water service would require the replacement of one existing culvert along the Air Line Trail. However, during a constructability walk-down with the general contractor, it was determined that the culvert could be stabilized and remain in place during construction, thus reducing impacts.

d. Final Wetland and Vernal Pool Protection Plan;

Bloom included its final Wetland and Vernal Pool Protection Plan (WVPPP) on Drawing No. C2.4. The WVPPP includes protective measures for vernal pool herpetofauna should construction occur during the peak amphibian movements periods such as March 1 through May 15 and July 15 through September 15. Protective measures include, but are not limited to, contractor education, work area isolation measures, daily sweeps of work area, and reporting requirements.

The wetland protection measures associated with the WVPPP would be implemented irrespective of the time of year and would include, but not be limited to, erosion and sedimentation controls, proper petroleum materials storage and spill prevent measures, and spill response/containment/cleanup measures.

e. Final Emergency Response Plan;

Bloom has included its Server* Operating and Emergency Plan.

*Bloom's fuel cell units are also referred to as Energy Servers.

f. Final results of the ISO-NE project interconnection review;

The ISO-NE project interconnection review is still in the study phase. The results of the review will be submitted to the Council.

g. Post-construction restoration plan for all disturbed areas of the site;

Bloom has included the post-construction restoration plans in the site plan drawing as well as the erosion and sedimentation control plans.

h. Contact information for the spill response contractor; and

Bloom has included its contact information for its spill response contractor, McVac Environmental.

i. Contact information for construction contractor.

Bloom has included the contact information for its contractor, A/Z Corporation.

Construction hours are expected to be between 7:00 a.m. to 7:00 p.m. Monday through Saturday. If Sunday work is required, the construction hours would be between 9:00 a.m. and 6:00 p.m. No work is planned at night. At times during the installation of the natural gas and water service, a portion of the Air Line Trail would be closed to the public. Bloom would coordinate with the Town on the closure of the Air Line Trail and would comply with any notification requirements to the public.

Recommendations

If approved, staff recommends following conditions:

1. Submit a drawing depicting the location of the laydown area prior to commencement of construction;
and
2. Submit a copy of the final results of the ISO-NE project interconnection review.

Site Plan

