



July 20, 2020

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

RE: Petition of Bloom Energy Corporation for a Declaratory Ruling for the Location and Construction of a 150-Kilowatt Fuel Cell Customer-Side Distributed Resource at The Home Depot, 90 Monroe Turnpike, Trumbull, Connecticut

Dear Attorney Bachman:

We are submitting an original and fifteen (15) copies of the above-captioned Petition, together with the filing fee of \$625.

In the Petition, Bloom Energy Corporation (“Bloom”) requests the Connecticut Siting Council approve the construction and operation of a 150-kilowatt fuel cell and associated equipment (the “Facility”). The Facility will be installed at The Home Depot located at 90 Monroe Turnpike, Trumbull, CT (the “Site”). Electricity generated by the Facility will benefit The Home Depot, and any excess electricity will be exported to the electric grid. The Facility will be fueled by natural gas.

Should you have any questions, concerns, or require additional information, please contact me at (860) 839-8373.

Sincerely,
Bloom Energy

Justin Adams
justin.adams@bloomenergy.com
(860) 839-8373

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

PETITION OF BLOOM ENERGY : PETITION NO. ____
CORPORATION FOR A DECLARATORY :
RULING FOR THE LOCATION AND :
CONSTRUCTION OF A 150-KILOWATT FUEL :
CELL CUSTOMER-SIDE DISTRIBUTED :
RESOURCE AT 90 MONROE TURNPIKE, :
TRUMBULL, CT : JULY 20, 2020

PETITION OF BLOOM ENERGY CORPORATION
FOR A DECLARATORY RULING

I. INTRODUCTION

Pursuant to Conn. Gen. Stat. §§ 4-176 and 16-50k(a) and Conn. Agencies Regs. § 16-50j-38 et seq., Bloom Energy Corporation (“Bloom”) requests that the Connecticut Siting Council (“Council”) approve by declaratory ruling the location and construction of a customer-side distributed resources project at The Home Depot located at 90 Monroe Turnpike, Trumbull, Connecticut (the “Site”). Bloom will install one (1) ES-5 Bloom Energy Server solid oxide fuel cell and associated equipment (the “Facility”), providing 150 kilowatts (“kW”) (net) of power to the Site. *See* Exhibits 1 and 2. The Facility will be installed, maintained and operated by Bloom under a 15-year power purchase agreement owned by a third-party financing source.

Conn. Gen. Stat. § 16-50k(a) provides that:

Notwithstanding the provisions of this chapter or title 16a, the council shall, in the exercise of its jurisdiction over the siting of generating facilities, approve by declaratory ruling ... (B) the construction or location of any fuel cell, unless the council finds a substantial adverse environmental effect, or of any customer-side distributed resources project or facility ... with a capacity of not more than sixty-



five megawatts, as long as such project meets air and water quality standards of the Department of Energy and Environmental Projection....

The proposed fuel cell will be a customer-side distributed resources facility under 65 MW that complies with the air and water quality standards of the State of Connecticut Department of Energy and Environmental Projection (“DEEP”). Bloom submits that no Certificate is required for the proposed Facility, as the installation would not have a substantial adverse environmental effect in the immediate vicinity of the Site or in the State of Connecticut.

II. COMMUNICATIONS

Correspondence and other communication regarding this petition should be directed to the following parties:

Justin Adams
Bloom Energy Corporation
4353 North First Street
San Jose, CA 95134
Telephone: (408) 543-1500
Fax: (408) 543-1501
Email: Justin.Adams@bloomenergy.com

Alicia Surowiec
Bloom Energy Corporation
4353 North First Street
San Jose, CA 95134
Telephone: (408) 543-1500
Fax: (408) 543-1501
Email: Alicia.Surowiec@bloomenergy.com

III. DISCUSSION

A. The Facility

The Facility will be a 150-kW customer-side distributed resource consisting of one (1) Bloom solid oxide fuel cell Energy Server, model ES5-VA4AAN, and associated equipment. As shown in Exhibit 2, the fuel cell and associated equipment (utility cabinets, water deionizers, telemetry cabinets, and disconnect switches) will be installed in the northeastern corner of the property, behind the retail building. The installation will be in a cleared area adjacent to the paved area at the rear of the building. The Facility will be interconnected to the building’s



existing electrical switchgear and fueled by natural gas supplied by Eversource. *See* Exhibit 3 for details, photographs and equipment specifications.

The Facility will interconnect to the Site's distribution system and operate in parallel with the grid to provide the Site's electrical requirements. Any electricity generated in excess of the Site's requirement will be exported to the grid in accordance with the UIL interconnection technical requirements. The Facility will not be capable of outputting power in a grid-independent capacity.

At the request of The Home Depot's energy management team, Bloom sized the system at 150 kW. The request was based on an annual load profile of the typical Home Depot building, with the intent of limiting the net export to 1-2% throughout the year during low energy usage periods, generally at night and/or when the store is closed. Any energy exported to the grid would be sold under the Net Metering tariff and is reflected in the Interconnection Application for the Site.

The operational life of the Facility is for the life of the 15-year contract. At the conclusion of the 15-year contract, The Home Depot may renew the contract, return the Facility at no cost, or buy the Facility at a fair market value.

The interconnection application for the Facility will be submitted to UIL in August 2020. Bloom anticipates initial feedback, including an impact analysis and cost determination, within approximately 30 days of submission. Final approvals are anticipated in October 2020.

B. Public Health and Safety

The Facility will be installed in compliance with applicable building, plumbing, electrical, and fire codes. The Facility is enclosed, factory-assembled and tested prior to installation on the Site. Solid oxide media in the fuel cells are exchanged at roughly five-year

intervals. Extensive hardware, software and operator safety control systems are utilized, and will be controlled from a Bloom Energy Remote Monitoring Control Center (“RMCC”). Internal sensors continuously monitor system operation and provide for system components to shut down if safety circuits detect a condition outside normal operating parameters; the RMCC operator can initiate an emergency shutdown if warranted. Town of Trumbull Fire Department personnel are provided with an Emergency Response Plan. Exhibit 5.

The Facility will be installed in accordance with NFPA 853¹. The Facility does not burn natural gas; it is used in a chemical reaction to generate electricity, and is digested almost immediately upon entering the unit and is no longer combustible. Before commissioning, the fuel lines (pipes) are cleaned in accordance with Conn. Gen. Stat. Section 16-50ii².

C. Existing Environment

i. The Site

The Facility would be installed in the northeastern corner of a 17.76-acre parcel on the east side of Monroe Turnpike (State Route 111) in the northeastern area of the Town of Trumbull (“Town”). The property is in the Town’s Commercial Zone B-C (Business). The Facility is designed to take advantage of utility infrastructure while minimizing impact on operational requirements and traffic and pedestrian flow within the Site.

Commercial and light industrial development exists along Route 11 west and south of the Site. Two residential properties are immediately to the north, between the Site and industrial properties; Old Mine Park, a municipal property, is to the east. Old Mine Park is largely wooded, and contains trails and a National Register of Historic Places Archaeological Site deriving from a

¹ Standard for the Installation of Stationary Fuel Cell Power Systems, 2015 Edition

² Public Act 11-101, An Act Adopting Certain Safety Recommendations of the Thomas Commission

historical use. The nearest property line to the proposed Facility equipment is the boundary with one of the two residential properties, at approximately 93' to the east.

ii. Wildlife and Habitat

Based on a review of the publicly available Connecticut Department of Energy and Environmental Protection (DEEP) Natural Diversity Database (NDDDB) June 2020 data, the proposed Facility is within .25 mile of an identified location of endangered, threatened and special concern species or significant natural community. The nearest NDDDB area is approximately .20 mile from the Site. Exhibit 4. Therefore, a DEEP NDDDB request for review was submitted. By letter dated July 13, 2020, DEEP responded that no negative impacts to State-listed species are anticipated from Bloom's proposed activity at the Site. *See* Exhibit 4.

iii. Wetlands and Watercourses

There are no identified natural wetlands or watercourses within the proposed location of the Facility. The nearest identified wetland is approximately 791 feet north of the Facility. Exhibit 4. The Facility is located within a previously developed area and will have no effect on the Site beyond the project area.

iv. Flood Zones and Aquifer Protection Area

A review of the flood hazard mapping data from Federal Emergency Management Agency's ("FEMA") National Flood Insurance Program ("NFIP") shows the Facility would not be located in either a 100-year or 500-year flood zone. *See* Exhibit 4.

The Site was also reviewed for proximity to Aquifer Protection Areas. According to GIS data provided by DEEP, the nearest Aquifer Protection Area is approximately 4.99 miles to the northwest of the Facility.

i. Cultural Resources

The Facility is proposed in a previously disturbed area and the construction and operation of the Facility will therefore not have a substantial adverse effect on cultural (archaeological and historical) resources.

D. Environmental Effects and Mitigation

i. Natural Gas Desulfurization Process

Sulfur compounds that are added to natural gas as an odorant are removed in the first step of electricity production in a Bloom Energy Server. Sulfur is separated from the natural gas by filtering in a specialized canister within the Energy Server (the “Desulf Unit”) that uses a copper catalyst to remove the sulfur. The Desulf Units are periodically removed and replaced. The spent units are transported to ShoreMet, L.L.C. (ShoreMet) in Indiana, where they are opened, the contents are removed and copper is used as an ingredient in various products. The Desulf Units are then cleaned, refilled, and sent back to the field for reuse. Handling and transportation are performed in accordance with hazardous waste restrictions.

ii. Water, Heat and Air Emissions

The construction and operation of the Facility will comply with DEEP’s air and water quality standards and will not have a substantial adverse environmental effect.

The Facility is designed to operate without water discharge under normal operating conditions. There are no connections or discharge points to the proposed Facility. The Facility uses no water after start-up, which requires a 96-gallon injection.

Heat generated by the proposed Facility is used internally to increase the electrical efficiency of the fuel cell system. As a result, there is no useful waste heat generated by the fuel

cell. The minimal amount of thermal load present at the Site would preclude the efficient deployment of a combined heat and power application.

Conn. Agencies Regs. § 22a-174-42 exempts fuel cells from air permitting requirements. Accordingly, no permits, registrations, or applications are required based on the actual emissions from the Facility.³ It should be noted, however, that Bloom Energy fuel cells do meet the emissions standards of Section 22a-174-42.

The Facility will also meet state criteria thresholds for all greenhouse gases defined in Section 22a-174-1(49). Table 1 lists thresholds set by the Low and Zero Emissions Renewable Energy Credit (LREC/ZREC) program⁴, and compares them to emissions generated from the proposed Facility. By virtue of the non-combustion process the Bloom Energy fuel cells virtually eliminate NO_x, SO_x, CO, VOCs and particulate matter emissions from the energy production process. Similarly, there are no CH₄, SF₆, HFC or PFC emissions.

Table 1: Connecticut Thresholds for Greenhouse Gases

Emission Type	Bloom Output	LREC allowance
Nitrous Oxides (NO _x)	<0.01 lbs/MWh	0.07 lbs/MWh
Carbon Monoxide (CO)	<0.05 lbs/MWh	0.10 lbs/MWh
Sulfur Oxides (SO _x)	Negligible	Not Listed
Volatile Organic Compounds (VOCs)	<0.02 lbs/MWh	0.02 lbs/MWh
Carbon Dioxide (CO ₂) ⁵	679-833 lbs/MWh	Not Listed

The proposed Facility will ultimately displace less efficient fossil fueled marginal generation on the ISO New England system. Based upon US Environmental Protection Agency

³ See Conn. Agencies Regs. §§ 22a-174-42(b) and (e).

⁴ Sec. 16-244t

⁵ Carbon dioxide is measured at Bloom’s stated lifetime efficiency level of 53-60%

(EPA) “eGrid” data, the proposed facility is expected to reduce carbon emissions by more than 25% while essentially eliminating local air pollutants like NO_x, SO_x, and particulate matter.

iii. Sound Levels

The Facility will comply with State of Connecticut regulations for the Control of Noise. The host parcel is classified as a Class B emitter (52. Retail Trade - Building Materials). The nearest receptor is a residential property to the north and east of the Facility, which is classified as a Class A receptor (1. Residential).⁶ As such, limits of 61 dBA (day) and 51 dBA (night) apply under State of Connecticut Regulations and limits of 55 dBA (day) and 45 dBA (night) apply under the Town of Trumbull Noise Ordinance, Section 13-50. The results of the sound model predicting noise levels at that property boundary, located at a distance of approximately 93 feet, are provided as Exhibit 6. The proposed Facility would be defined as “Scenario 2” in the model. Scenario 2 models noise for a Bloom Energy Server installed close to a building or tall wall, with noise reflected off the structure. The results of the Scenario 2 sound model at 93 feet are 41.4 dBA.

The Town’s ordinance exempts noise from construction equipment between Monday and Saturday, 7:00 a.m. to 6:00 p.m.

ix. Visual Effects

The visual effect of the Facility will be minimal. The Home Depot building will block views from the south. Mature tree growth will limit visibility from properties to the east and northeast. The addition of the Facility is minor relative to the existing development within the

⁶ Section 22a-69-2 of the DEEP Noise Regulations provides guidance in classifying both emitter and receptor Noise Zones. Classifications are based on the actual use of a parcel or tract under single ownership, as detailed by the Standard Land Use Classification Manual of Connecticut (SLUCONN).

Site, and any incremental impact on views from commercial properties to the northwest and west will be minimal and consistent with the existing surrounding development.

E. Project Construction and Maintenance

Bloom anticipates construction to start in the fourth quarter of 2020 with 12 - 14 weeks of total construction time (4 - 6 weeks of site prep, 4 weeks of installation, and 4 weeks of commissioning).

Construction of the Facility would conform to best management practices for erosion and sedimentation (“E&S”) controls, including those provided for in the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control. During construction, appropriate erosion and sedimentation (E&S) controls will be installed and areas of disturbance will be promptly stabilized in order to minimize the potential for soil erosion and the flow of sediments off site. Temporary E&S control measures will be maintained and inspected throughout construction to ensure their integrity and effectiveness. The temporary E&S control measures will remain in place until the work is complete and all disturbed areas have been stabilized. No effects to drainage patterns or stormwater discharges are anticipated. Due to the limited disturbance required for the Facility’s installation, no construction-related storm water permits will be required.

Soils that are generated during construction activities would not be stored or stockpiled inside of wetlands or adjacent to a watercourse, and appropriate E&S control measures would be employed and maintained for any temporary soil stockpiles. Any excavated soils compatible for reuse will be used as backfill in proximity to the same excavation area from where it originated. Any excess excavated soils not suitable for reuse would be trucked off-site and managed in

accordance with applicable regulations. Rock, concrete and other debris would be removed and trucked off-site.

Areas affected by construction would be re-graded as practical and stabilized using revegetation or other measures before removing temporary E&S controls. Construction-related impacts will therefore be minimal.

If there is a default in the contract or the Facility is to be removed at the end of the contract, the Energy Servers, associated equipment and components will be dismantled and removed and the site will be restored as nearly as practicable to its effective original condition.

IV. NOTICE AND CONSULTATION

Bloom has provided notice of this petition via certificate of mailing to abutting property owners and appropriate municipal officials and governmental agencies to whom notice is required to be given pursuant to Conn. Agencies Regs. § 16-50j-40(a). Lists of officials and abutting property owners, a copy of the notice letter and documentation of mailing are provided in Exhibit 7.

A representative of Bloom contacted Mr. Rob Librandi, Land Use Planner of the Town of Trumbull, and provided plans for review. No response has been received to date. Bloom has also notified Mr. Librandi that comments may be made directly to the Council in response to the Petition. *See* Exhibit 8.

V. CONCLUSION

Under Conn. Gen. Stat. § 16-50k(a), the Council is required to approve by declaratory ruling the construction or location of a customer-side distributed resources project or facility



with a capacity of not more than 65 MW, as long as the facility meets DEEP air and water quality standards. The proposed Facility meets each of these criteria.

The proposed project will replace a portion of the Site's baseload with a Class I renewable energy source, assist in achieving the State's sustainability goals, and improve reliability of electrical systems and equipment.

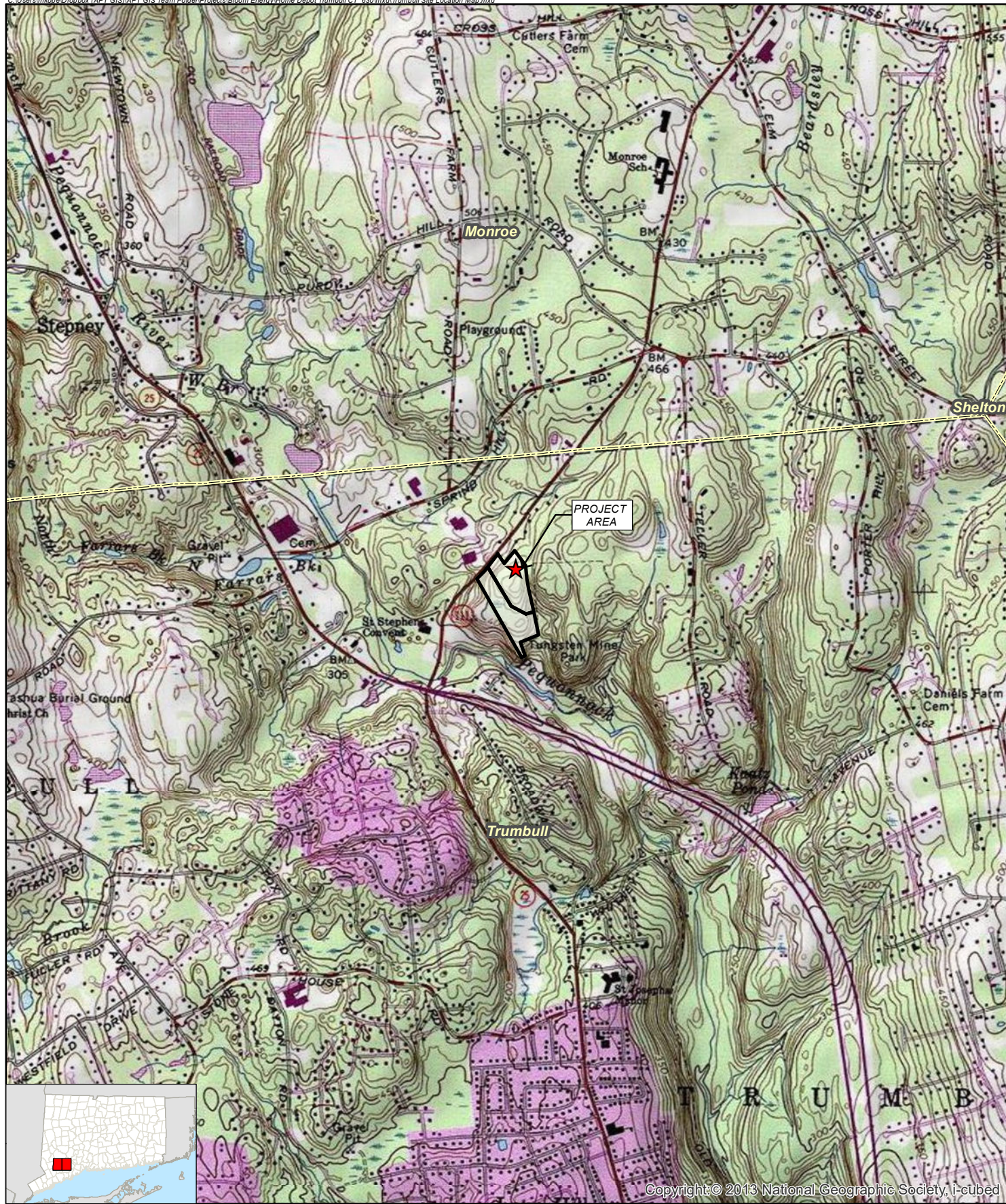
Bloom submits that no Certificate is required for the proposed Facility, as the installation would not have a substantial adverse environmental effect in the immediate vicinity of the Site or in the State of Connecticut. Accordingly, Bloom respectfully requests that the Council approve the proposed Facility by declaratory ruling.

Respectfully submitted,
Bloom Energy Corporation

By: 

Justin Adams
Bloom Energy Corporation
4353 North First Street
San Jose, CA 95134
Telephone: (408) 543-1500
Email: justin.adams@bloomenergy.com

Exhibit 1

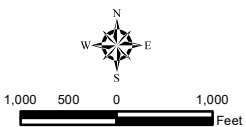


Copyright © 2013 National Geographic Society, i-cubed

Legend

- ★ Project Area
- ▭ Site
- - - Municipal Boundary

Map Notes:
 Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map:
 Botsford, CT (1984) and Long Hill, CT (1984)
 Map Scale: 1:24,000
 Map Date: May 2020

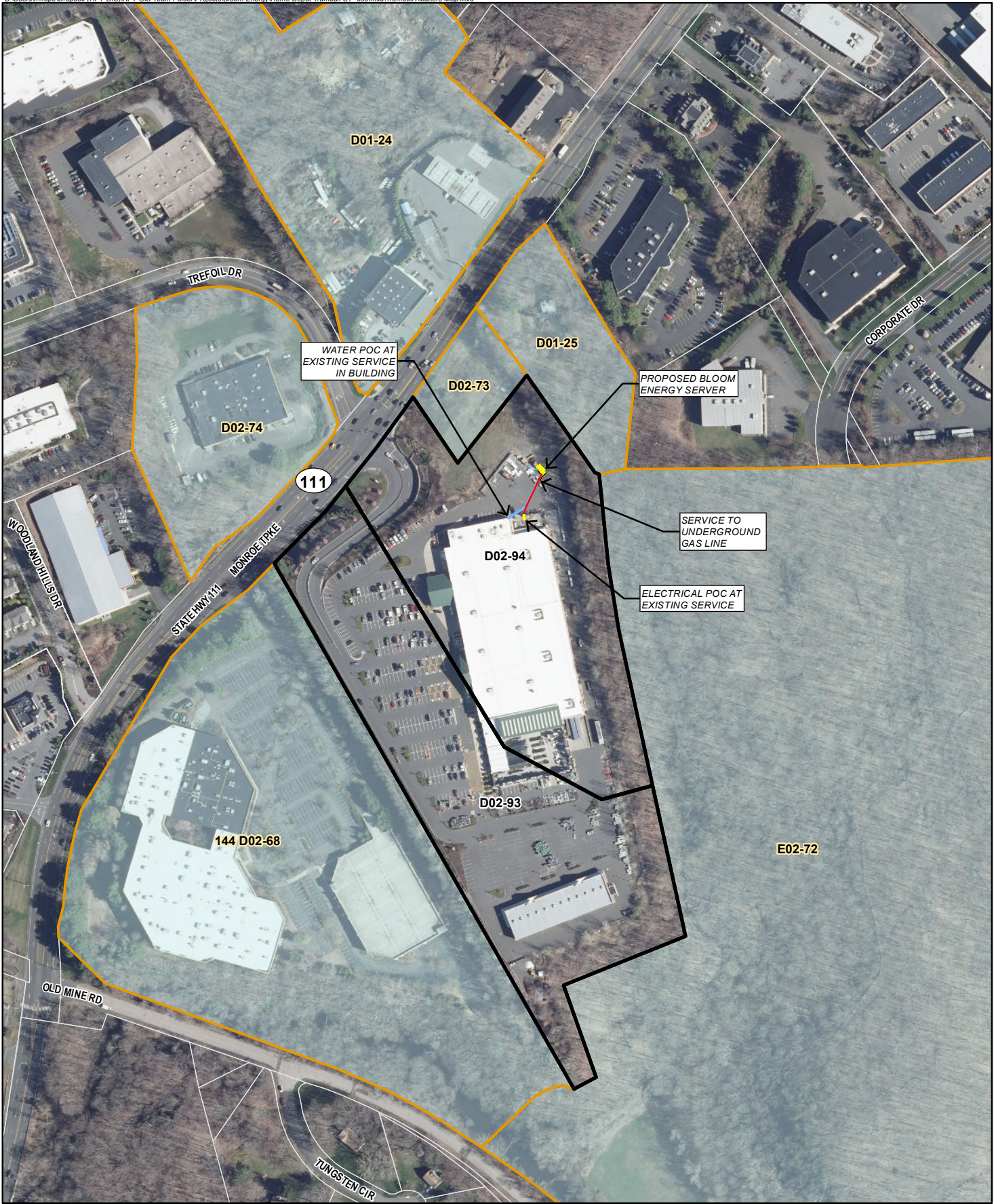


**Exhibit 1
 Site Location Map**

Proposed Bloom Energy Facility
 The Home Depot
 Store #6236
 90 Monroe Turnpike
 Trumbull, Connecticut



Exhibit 2



Legend

- Proposed Bloom Energy Server
- Electrical Service
- Gas Supply Line
- Water Line
- Site
- Abutting Property
- Approximate Assessor Parcel Boundary
- Municipal Boundary

Map Notes:
 Base Map Source: CTECO 2019 Aerial Photograph
 Map Scale: 1 inch = 300 feet
 Map Date: June 2020

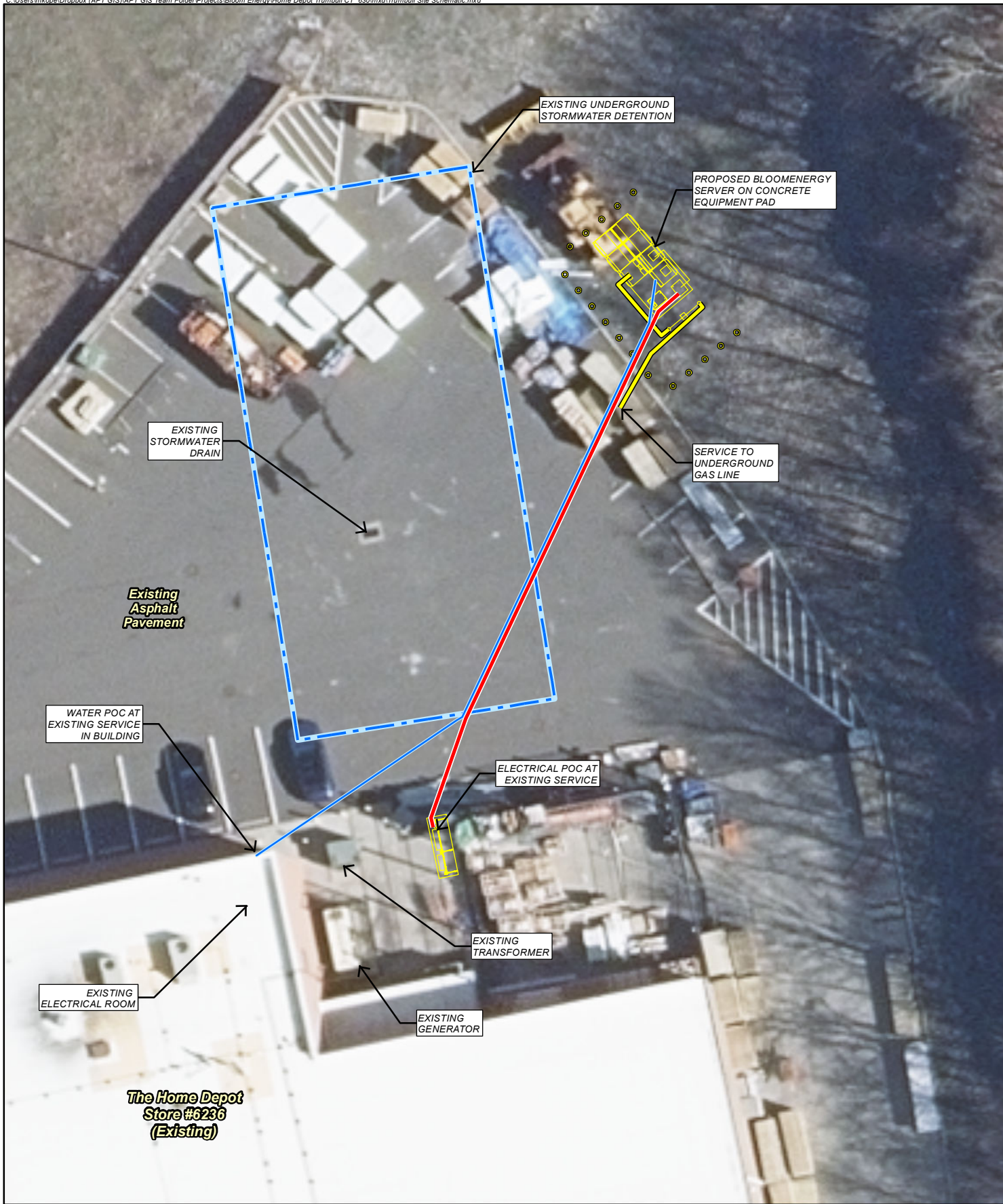


**Exhibit 2
 Site Vicinity**

Proposed Bloom Energy Facility
 The Home Depot
 Store #6236
 90 Monroe Turnpike
 Trumbull, Connecticut



Exhibit 3



Legend

- Proposed Bloom Energy Server
- Water Line
- Electrical Service
- Gas Supply Line
- Bollard
- Underground Stormwater Detention

Map Notes:
 Base Map Source: CTECO 2019 Aerial Photograph
 Map Scale: 1 inch = 25 feet
 Map Date: June 2020



**Exhibit 3
 Site Layout**

Proposed Bloom Energy Facility
 The Home Depot
 Store #6236
 90 Monroe Turnpike
 Trumbull, Connecticut







Energy Server™ 5

Always On, Clean Energy
Using Patented Solid Oxide
Fuel Cell Technology



The Energy Server 5 provides combustion-free electric power with these benefits



Clean

Our systems produce near zero criteria pollutants (NOx, SOx, and particulate matter) and far fewer carbon emissions than legacy technologies.



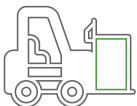
Reliable

Bloom Energy Servers are designed around a modular architecture of simple repeating elements. This enables us to generate power 24 x 7 x 365 and can be configured to eliminate the need for traditional backup power equipment.



Resilient

Our system operates at very high availability due to its fault-tolerant design and use of the robust natural gas pipeline system. Bloom Energy Servers have survived extreme weather events and other incidences and have continued providing power to our customers.



Simple Installation and Maintenance

Our Energy Servers are 'plug and play' and have been designed in compliance with a variety of safety standards. Bloom Energy manages all aspects of installation, operation and maintenance of the systems.

Energy Server 5		Technical Highlights (ES5-VA4AAM)	
Outputs			
Nameplate power output (net AC)	157.5 kW		
Load output (net AC)	150 kW		
Electrical connection	480V, 3-phase, 60 Hz		
Inputs			
Fuels	Natural gas, directed biogas		
Input fuel pressure	10-18 psig (15 psig nominal)		
Water	None during normal operation		
Efficiency			
Cumulative electrical efficiency (LHV net AC) ¹	65-53%		
Heat rate (HHV)	5,811-7,127 Btu/kWh		
Emissions²			
NOx	0.0017 lbs/MWh		
SOx	Negligible		
CO	0.034 lbs/MWh		
VOCs	0.0159 lbs/MWh		
CO ₂ @ stated efficiency	679-833 lbs/MWh on natural gas; carbon neutral on directed biogas		
Physical Attributes and Environment			
Weight	10 tons		
Dimensions (variable layouts)	10'9" x 8'8" x 6'9" or 21'6" x 4'4" x 7'2"		
Temperature range	-20° to 45° C		
Humidity	0% - 100%		
Seismic vibration	IBC site class D		
Location	Outdoor		
Noise	< 70 dBA @ 6 feet		
Codes and Standards			
Complies with Rule 21 interconnection and IEEE1547 standards			
Exempt from CA Air District permitting; meets stringent CARB 2007 emissions standards			
An Energy Server is a Stationary Fuel Cell Power System. It is Listed by Underwriters Laboratories, Inc. (UL) as a 'Stationary Fuel Cell Power System' to ANSI/CSA FC1-2014 under UL Category IRGZ and UL File Number MH45102.			
Additional Notes			
Access to a secure website to monitor system performance & environmental benefits			
Remotely managed and monitored by Bloom Energy			
Capable of emergency stop based on input from the site			

¹ 65% LHV efficiency verified by ASME PTC 50 Fuel Cell Power Systems Performance Test

² NOx and CO measured per CARB Method 100, VOCs measured as hexane by SCAQMD Method 25.3

About Bloom Energy

Bloom Energy's mission is to make reliable, clean energy affordable for everyone in the world. The company's product, the Bloom Energy Server, delivers highly reliable and resilient, Always On electric power that is clean and sustainable. Bloom's customers include twenty-five of the Fortune 100 companies and leaders in cloud services and data centers, healthcare, retail, financial services, utilities and many other industries.

Bloom Energy

4353 North First Street
San Jose, CA 95134

T 408 543 1500
F 408 543 1501

info@bloomenergy.com
www.bloomenergy.com

Be

© Bloom Energy Corporation 2019. All Rights Reserved
DOC-1011799 Rev A

Energy Server™ 5

Always On, Clean Energy
Using Patented Solid Oxide
Fuel Cell Technology



The Energy Server 5 provides combustion-free electric power with these benefits



Clean

Our systems produce near zero criteria pollutants (NOx, SOx, and particulate matter) and far fewer carbon emissions than legacy technologies.



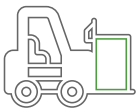
Reliable

Bloom Energy Servers are designed around a modular architecture of simple repeating elements. This enables us to generate power 24 x 7 x 365 and can be configured to eliminate the need for traditional backup power equipment.



Resilient

Our system operates at very high availability due to its fault-tolerant design and use of the robust natural gas pipeline system. Bloom Energy Servers have survived extreme weather events and other incidences and have continued providing power to our customers.



Simple Installation and Maintenance

Our Energy Servers are 'plug and play' and have been designed in compliance with a variety of safety standards. Bloom Energy manages all aspects of installation, operation and maintenance of the systems.

Energy Server 5	Technical Highlights (ES5-VA4AAM)
Outputs	
Nameplate power output (net AC)	157.5 kW
Load output (net AC)	150 kW
Electrical connection	480V, 3-phase, 60 Hz
Inputs	
Fuels	Natural gas, directed biogas
Input fuel pressure	10-18 psig (15 psig nominal)
Water	None during normal operation
Efficiency	
Cumulative electrical efficiency (LHV net AC) ¹	65-53%
Heat rate (HHV)	5,811-7,127 Btu/kWh
Emissions²	
NOx	0.0017 lbs/MWh
SOx	Negligible
CO	0.034 lbs/MWh
VOCs	0.0159 lbs/MWh
CO ₂ @ stated efficiency	679-833 lbs/MWh on natural gas; carbon neutral on directed biogas
Physical Attributes and Environment	
Weight	10 tons
Dimensions (variable layouts)	10'9" x 8'8" x 6'9" or 21'6" x 4'4" x 7'2"
Temperature range	-20° to 45° C
Humidity	0% - 100%
Seismic vibration	IBC site class D
Location	Outdoor
Noise	< 70 dBA @ 6 feet
Codes and Standards	
Complies with Rule 21 interconnection and IEEE1547 standards	
Exempt from CA Air District permitting; meets stringent CARB 2007 emissions standards	
An Energy Server is a Stationary Fuel Cell Power System. It is Listed by Underwriters Laboratories, Inc. (UL) as a 'Stationary Fuel Cell Power System' to ANSI/CSA FC1-2014 under UL Category IRGZ and UL File Number MH45102.	
Additional Notes	
Access to a secure website to monitor system performance & environmental benefits	
Remotely managed and monitored by Bloom Energy	
Capable of emergency stop based on input from the site	

¹ 65% LHV efficiency verified by ASME PTC 50 Fuel Cell Power Systems Performance Test

² NOx and CO measured per CARB Method 100, VOCs measured as hexane by SCAQMD Method 25.3

About Bloom Energy

Bloom Energy's mission is to make reliable, clean energy affordable for everyone in the world. The company's product, the Bloom Energy Server, delivers highly reliable and resilient, Always On electric power that is clean and sustainable. Bloom's customers include twenty-five of the Fortune 100 companies and leaders in cloud services and data centers, healthcare, retail, financial services, utilities and many other industries.

Bloom Energy

4353 North First Street
San Jose, CA 95134

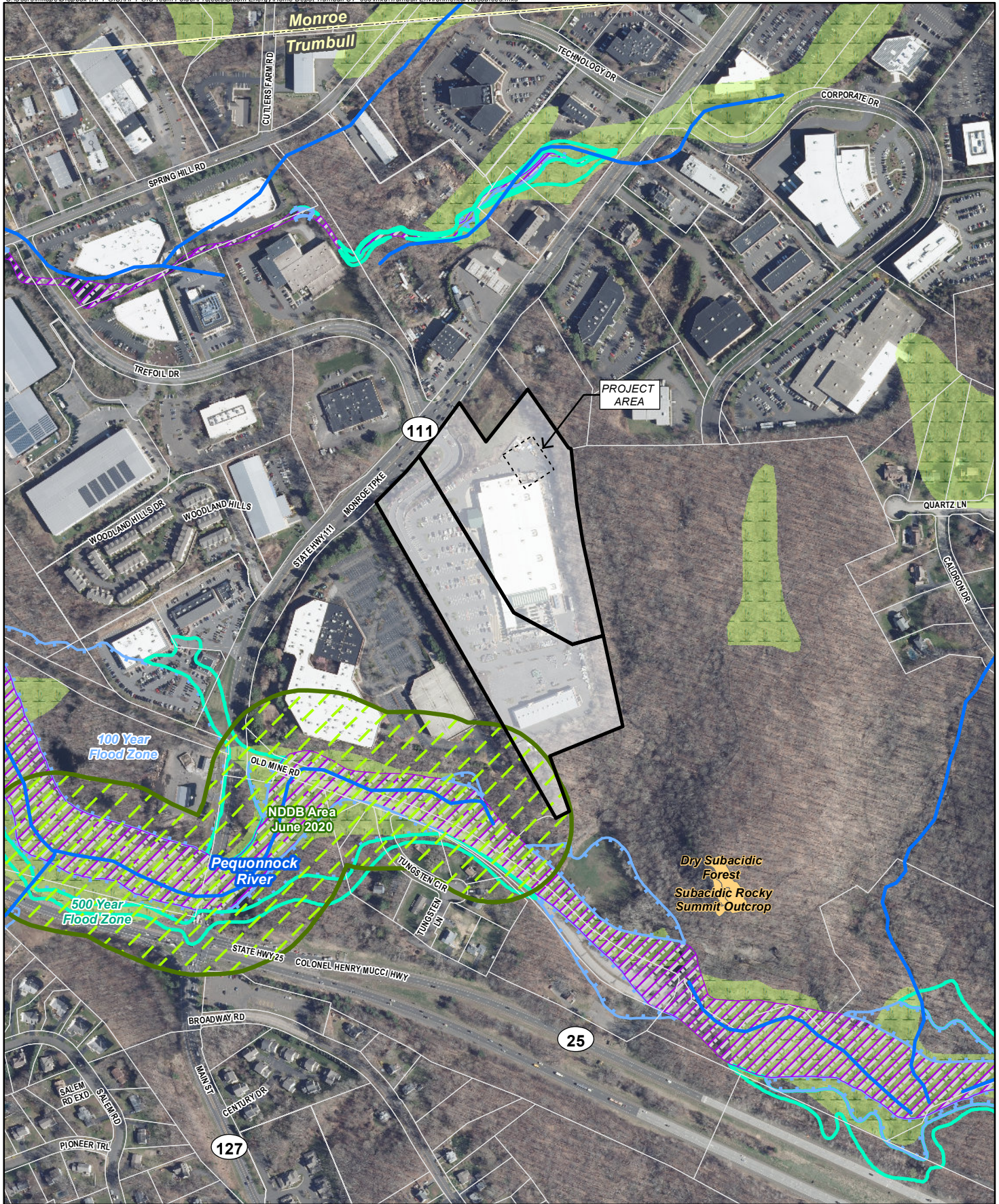
T 408 543 1500
F 408 543 1501

info@bloomenergy.com
www.bloomenergy.com

Be

© Bloom Energy Corporation 2019. All Rights Reserved
DOC-1011799 Rev A

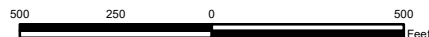
Exhibit 4



Legend

- Project Area
- Site
- CTDEEP Natural Diversity Database (updated June 2020)
- CTDEEP Critical Habitat (2009)
- CTDEEP Watercourse
- CTDEEP Wetlands
- FEMA 100-Year Flood Zone
- FEMA 500-Year Flood Zone
- Floodway
- CTDEEP Coastal Boundary
- Approximate Assessor Parcel
- Municipal Boundary

Map Notes:
 Not All Legend Items May Be Located Within Map Extent
 Base Map Source: CTECO 2019 Aerial Photograph
 Map Scale: 1 inch = 500 feet
 Map Date: June 2020



**Exhibit 4
 Environmental Resources**

Proposed Bloom Energy Facility
 The Home Depot
 Store #6236
 90 Monroe Turnpike
 Trumbull, Connecticut





79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

July 13, 2020

Dean Gustafson
All Points Technology Corp PC
567 Vauxhall St Ext – Suite 311
Waterford CT 06385
dgustafson@allpointstech.com

Project: Fuel cell installation at Trumbull Home Depot, 90 Monroe Tpke, Trumbull, CT
NDDDB Determination No.: 202008103

Dear Mr. Gustafson,

I have reviewed Natural Diversity Database (NDDDB) maps and files regarding the area of work provided for the proposed fuel cell installation at 90 Monroe Tpke, Trumbull, Connecticut. According to our records there are populations of Eastern pearlshell (*Margaritifera margaritifera*) in the Pequonnock River. Proper erosion and sedimentation controls should be used and maintained to protect water quality in this watershed. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDDB Request for Review if the scope of work changes or if work has not begun on this project by July 13, 2022.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey, cooperating units of DEEP, landowners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDDB should not be substitutes for on-site surveys necessary for a thorough environmental impact assessment. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the database as it becomes available.

Please contact me if you have further questions at (860) 424-3378, or karen.zyko@ct.gov . Thank you for consulting the Natural Diversity Database.

Sincerely,

A handwritten signature in blue ink, appearing to read "Karen Zyko".

Karen Zyko
Environmental Analyst

Exhibit 5



*Fire Prevention and Emergency Planning –
Grid Parallel*

Copyright © 2011. Unpublished Work of Bloom Energy. All Rights Reserved. This work is an unpublished work and contains confidential, proprietary, and trade secret information of Bloom Energy. No part of this work may be practiced, performed, copied, distributed, revised, modified, translated, abridged, condensed, expanded, collected, or adapted without the prior written consent of Bloom Energy. Any use or exploitation of this work without authorization could subject the perpetrator to criminal and civil liability.

Bloom Energy Corporation, 1299 Orleans Drive, Sunnyvale, CA 94089 USA

Table of Contents

1. Fire Prevention and Emergency Planning Overview
2. Fuel Cell Installation Safety Features
3. Emergency Notification Procedures
4. Fire and Smoke Procedures
5. Medical Emergency Procedures
6. Materials Release Procedures
7. Natural Disasters and Severe Weather
 - 7.1 Earthquake
 - 7.2 Flood
8. Utility Outage
9. Good Housekeeping and Maintenance
 - 9.1 Good Housekeeping
 - 9.2 Maintenance
10. Training

1. FIRE PREVENTION AND EMERGENCY PLANNING OVERVIEW

The following document is provided only as a guide to assist you in complying with national and local codes and requirements, as well as to provide other helpful information. It is not intended to supersede the requirements of any standard. You should review the standards for particular requirements that are applicable to your individual situation, and make adjustments to this program that are specific to your company. You will need to add information relevant to your facility in order to develop an effective, comprehensive program.

2. FUEL CELL SYSTEM INSTALLATION SAFETY FEATURES

The fuel cell system has redundant safety features and in-system checks to ensure that the system will not harm certified technicians or bystanders near the unit. While the actual fuel cells operate at high temperatures, these components do not move, and are contained within many layers of insulation. During normal operation, the unit is cool to the touch and operates quietly.

The fuel cell system is controlled electronically and has internal sensors that continuously measure system operation. If safety circuits detect a condition outside normal operating parameters, the fuel supply is stopped and individual system components are automatically shut down. A Bloom Energy Remote Monitoring and Control Center (RMCC) operator can also remotely initiate any emergency sequence. An Emergency Stop alarm condition initiates an automatic shutdown sequence that puts the fuel cell system into —safe modell and causes it to stop exporting power. If you have questions about any of these safety features, please contact Bloom Energy.

If you have to shut down your fuel cell system right away—for example, in case of a building fire or electrical hazard—three shutoff controls are installed at your facility external to the system. The locations of these three controls should be known to your facilities manager before operation, and should be noted on your facility diagram that you created with your Bloom Energy account manager. The three shutoffs are the **EPO button**, the **electrical disconnect**, and the **natural gas shutoff valve**.

- An **Emergency Power Off (EPO) Button** cuts all power to all systems and stops them from exporting power to your building. All natural gas flow is also stopped within the systems. (The EPO button is on the front/side of the EDM, if an EDM is installed.) Lift the protective cover and break the glass seal that covers the button with the attached hammer. After the glass seal is broken, the shutdown sequence will automatically begin.



Figure 1: Emergency Power Off Button

- An **electrical disconnect** manually disconnects systems from the grid if needed. Pressing the EPO button should already stop any power transmission, but it does not hurt the systems to also open this disconnect if you believe it is needed. The location of this disconnect will vary, however it is typically located near the point of interconnection where the wires from the fuel cell installation meet the facility's electrical framework. This may be inside your facility's electrical room, or if the fuel cell installation is near the electrical room, it may be found within the switchgear that Bloom Energy installs. This location of this disconnect is shown on the Site Map (see below) and is labeled "(name of electrical utility) Lockable Visible Generator Disconnect Switch".



Figure 2: Electrical Disconnect

- A **manual natural gas valve** shuts down all natural gas to the system. If the valve operator is perpendicular to the pipe, the valve is shut. If it is parallel with the pipe, the valve is open.



Figure 3: Manual Natural Gas Valve

Site map:

- An overhead site map showing the location of all safety features will be posted throughout the fuel cell installation
- Electronic copies are available to you for use in your site planning

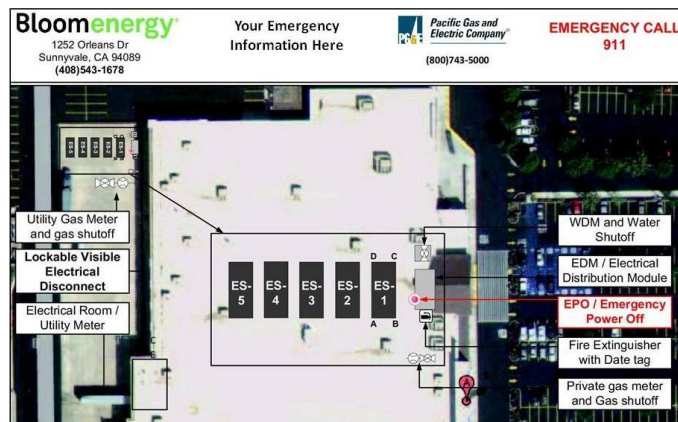


Figure 4: Sample Site Map

Manual controls:

- Clearly marked emergency stop button labeled —Fuel Cell Emergency Shut Down located at site
- Two manual fuel shutoff valves outside the system, and two isolation valves inside the system

Fire hazard mitigation:

- System is plumbed directly to utility-provided natural gas
- If system input gas pressure is compromised, a pressure switch triggers an emergency system shutdown and fuel input is isolated
- System does not use fuel compressors or pumps
- System has virtually no stored fuel (internal capacity is < 5 scf)

Electrical hazard and mitigation:

- System operates at 480V
- Signs inside the system warn of the risk of electric shock
- System has backfeed protection
- System inverter prevents grid backfeed during a power outage

Mechanical hazard and mitigation:

- Finger/hand guard protection is provided on all fans
- All moving parts are located behind secured doors

Material hazard mitigation:

- Desulfurizer bed (to remove fuel impurities) are fully enclosed
- Maintained and serviced by licensed vendors

3. EMERGENCY NOTIFICATION PROCEDURES

Life-Threatening Emergencies

To report life-threatening emergencies, immediately call:

Fire:	911
Ambulance:	911
Police:	911

Conditions that require automatic emergency notification include:

- Unconscious Victim
- Seizure
- Major Trauma
- Chest Pains
- Difficulty Breathing
- Flames

Non-Life-Threatening Emergencies

For non-life-threatening emergencies, report the incident to the local safety control center.

When you report an emergency, give the following information:

- Exact nature of the emergency (describe as clearly and accurately as possible).
- Exact location (i.e., address, building, floor, area, department, etc.).
- Telephone number from which you are calling.
- Your full name.
- **Do not hang up**, as additional information may be needed.

To assist in any subsequent investigation or determination of corrective actions, it is recommended to record the following items as close to the incident time as possible:

- Summary of any violation

- Identification of responsible parties
- Identification of victims and witnesses
- Description of evidence
- Description of general conditions
- Description of any vehicles involved
- Narratives from witnesses
- Any photographs

4. FIRE OR SMOKE PROCEDURES

This section describes the procedures involving a fire or smoke. A major fire is one that requires the use of more than one fire extinguisher or takes more than one minute to extinguish.

If you discover a fire or smoke:

1. Activate the nearest fire alarm if not activated already.
2. Activate the fuel cell Emergency Stop if possible.
3. Shut off the fuel cell installation natural gas line if possible.
4. If the fire is small and does not pose an immediate risk to personal safety, you may attempt to extinguish it with a portable fire extinguisher **only if trained to do so**.
5. Avoid using water on electrical fires.
6. Report every fire, regardless of size, immediately. Smoke or the smell of smoke should be reported.
 - From a safe location dial **911**.
 - Report the incident to the local security safety center.

5. MEDICAL EMERGENCY PROCEDURES

This section describes the necessary procedures for injuries or illnesses that may occur under extreme conditions.

A serious injury can be life-threatening and will require immediate medical attention. Injuries can include head injuries, spine injuries, broken bones, heart attack, stroke, loss of consciousness, excessive bleeding, chemical exposure, etc.

A non-serious injury is not immediately life-threatening but may still require the attention of a medical doctor. These can include headaches, nausea, itching, cuts, burns, etc.

Life-Threatening Medical Emergency

1. Remain calm.
2. Immediately dial 911.
3. Report the incident to local security safety center.
4. Do not move the victim unless it is absolutely necessary.
5. Call out for personnel trained in first aid and/or CPR which may include Building Evacuation or Emergency Response team members.

6. Ask someone to bring the area first aid kit and Automated External Defibrillator.
7. Assist if capable or asked to do so.

Non-Life-Threatening Medical Emergency

1. Remain calm.
2. Report the incident to the local security safety center.
3. Do not move the victim unless it is absolutely necessary.
4. Call out for personnel trained in first aid.
5. Ask someone to bring the area first aid kit.
6. If the victim requires further medical attention, then direct them to the nearest approved medical clinic or hospital – Contact Security or Human Resources for assistance if needed.
7. The injured employee's supervisor/manager is responsible for ensuring injury forms are properly filled out. Complete the forms within 24 hours of incident and submit to the injury reporting system for follow-up. Follow company protocols.

6. MATERIALS RELEASE PROCEDURES

The fuel cell system does not pose a hazard to health or environment. However, some internal materials when released, may pose a irritation risk to people and a possible risk of fire if not properly handled. This section was designed to address potential material release events:

In case of a material release that poses a direct threat to health, safety, or the environment:

1. Report the incident to local safety/security office.
2. If extremely life-threatening immediately dial **911** followed with a call to Security.
3. Contain the spill.
4. Evacuate the area or building if the material release is determined to be life-threatening.

In the event of an unknown indoor smell or odor, report the incident to authorities responsible for HAZMAT and spills.

7. NATURAL DISASTERS AND SEVERE WEATHER

7.1 Earthquake

This section provides information and procedures for earthquake emergencies.

The fuel cell system is designed to automatically shut off if the natural gas supply is compromised.

The natural gas supply line has an external, manual shut-off valve that should be activated if it is safe to do so. This valve will be labeled, "Notice – Fuel Cell Gas Shut

Off". The natural gas line will be labeled with the word "gas" on a yellow background with an arrow pointing in the direction of flow.

The nearby Emergency Stop can be activated to stop the flow of fuel and power to/from the fuel cell system.

A Bloom Energy Field Engineer will validate site safety and system operation during/after severe weather as necessary.

7.2 Flood

The fuel cell system support pad is designed to divert water flow. However, if flooding conditions exist, or threaten to exist due to heavy rainfall, creek bank overflows, or pipe breakage, then immediately report the incident to the local safety/security office.

Do not use the fuel cell power system if any part has been under water. If it is safe to reach the Emergency Power Off button for the site without entering the water, stop all systems until a Bloom Energy representative can assess the site.

Precautions to follow after a flood:

- Stay out of flooded areas. Flooded areas remain unsafe. Entering a flooded area places you at risk.
- Notify Bloom Energy. A Bloom Energy Field Engineer will validate site safety and system operation during/after severe weather as necessary

8. UTILITY OUTAGE

The fuel cell system is operated in "Grid-Parallel" mode. If utility provided power is lost for any reason, the fuel cell system will go "off-line". The fuel cell system will remain in stand-by mode until it automatically senses the utility grid has been restored. If utility gas is shut down, the fuel cell system will begin to shut down completely.

The Bloom Energy Remote Monitoring Control Centers monitor the fuel cells 24 hours per day and will be alerted to utility grid interruptions via its controls software. A Field Service Engineer will be dispatched to restart the fuel cell system if necessary. Customer personnel should NOT attempt to start up or operate the fuel cell system.

Before a Planned Outage

- Notify the Bloom Energy Remote Monitoring Control Center at 1-408-543-1678 at least 24 hours before planned outage.
- Bloom Energy Remote Monitoring Engineers will reduce power generated by the fuel cell system and take the fuel cell off-line.
- Abrupt fuel cell system shutdowns may cause significant system damage.

During a Utility Power Loss

- The fuel cell system will automatically go off-line.
- The Bloom Energy Remote Monitoring Control Centers will monitor the fuel cell system.
- Bloom Energy Field Service will be dispatched to start up the fuel cell system as necessary.
- If the fuel cell system has been automatically shut down and utility power is restored, there will be no impact to building power delivery: primary power will come from the utility rather than the fuel cells.

9. GOOD HOUSEKEEPING AND MAINTENANCE

9.1 Good Housekeeping

Although extremely unlikely, to minimize the risk of fire and any incidents, Facility Managers should take the following precautions around the fuel cell installation:

- What to do if you smell gas:
 - Do not try to light any appliance
 - Do not touch any electrical switch; do not use any phone in the area
 - Leave the area immediately
 - Immediately call your gas supplier. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department
- Notify Bloom Energy Remote Monitoring Control Center at 1-408-543-1678 of any condition that would impair the safety of the fuel cell installation so that mitigation measures could be determined and placed into effect.
- Prohibit smoking within the area of the fuel cell installation. Bloom Energy will furnish No Smoking signs for the area.
- Ensure only Bloom Energy Service Providers are permitted access inside the system.
- Keep the area around the fuel cell installation clear for ten feet in all directions, for safety and ease of maintenance.
- Keep the area around the fuel cell power system clear and free of combustible materials, gasoline, and other flammable vapors and liquids.
- Shut the system down and call Bloom Energy immediately if you suspect a fuel line rupture.
- **Never enclose an operating system** in a tarp, tent, shed, or other structure that would allow air to become trapped. This system runs on natural gas, and produces trace amounts of CO and CO₂. The amounts of these gases are safe for normal outdoor operation but could gather in an enclosed place.
- Do not block or obstruct air openings on the fuel cell power system. This system requires air flow in order to operate.

- Do not use this fuel cell power system if any part has been under water. Immediately call qualified service personnel to inspect the fuel cell power system and to replace any functional part which has been under water.
- Please contact Bloom Energy at 408-543-1678 with as much advance notice as possible if you plan, detect, or suspect a prolonged Internet outage.
- The Bloom Energy Field Service team will periodically clean the equipment; do not spray with pressurized hoses.

9.2 Maintenance

Your site has specific Field Service personnel assigned to it for both routine maintenance and troubleshooting. Your site project manager will introduce you to the designated Bloom Energy Field Service team assigned to your site prior to operation.

Bloom Energy Field Service personnel are trained in state Safety Law. They are trained in all the procedures required for the fuel cell installation, and their toolkit includes all the safety equipment required to work around the fuel components and high voltage in our system (480VAC).

Bloom Energy also requires its employees to follow all necessary safety precautions, including:

- Every time a Field Service technician arrives at a site for the first time and opens a service panel, the technician will use a leak detector to determine whether there is any gas buildup in the system and determine that it is safe to work on it.
- Whenever a Field Service technician is removing and replacing a component on a fuel or exhaust line, the technician must keep a CO detector nearby to make sure that no CO is present in the line even after the system has been shut down.

The Field Service team expects to conduct quarterly and yearly preventative maintenance for certain types of consumable or cleanable components such as replacement of air filters, water filters, and desulfurizer beds. Other maintenance will be performed as required. During such times, inspections for any hazards will be conducted including quarterly fire extinguisher inspection (if applicable).

10. TRAINING

Prior to system startup, a Bloom Energy representative will provide training on the fuel cell installation to include the location and operation of safety features as well as actions to take during emergencies. We desire this training to provide lasting value and are more than happy to work with you to customize the experience to suit your needs.

Exhibit 6

Calculation of Yuma Sound Pressure Based On Distance

By Bob Hintz 1/16

All calculations are based on the following formula for sound pressure level (L_p):

$$L_p = L_w - 10 \cdot \log \left(\frac{Q}{4\pi \cdot r^2} \right) |$$

Sound power value (L_w) attained from V1 Yuma linear in DE reported on Feb. 4, 2015 by Mei Wu.

Scenario 1

ES is installed close to a building or tall wall so noise from the ES is reflected off of the structure and added to the noise from the other side of the ES making it sound louder than normal. This is represented by a directivity factor $Q = 4$

$L_p = 44.4$ dB

Where:

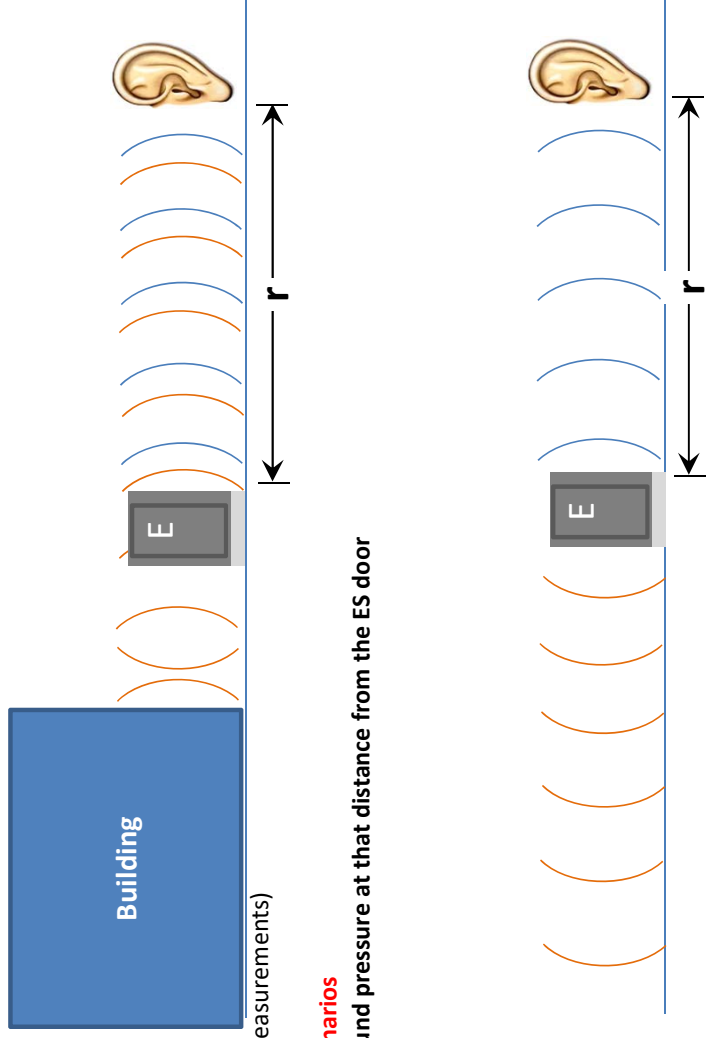
$L_w = 81.4$ dB
 $Q = 4$
 $r = 93$ Feet

ES sound power (Calc. from measurements)

Directivity factor

Enter value here for both Scenarios

Input various values for r to approximate the perceived sound pressure at that distance from the ES door



Scenario 2

ES is installed with no structures behind it to reflect sound from either side. This is represented by a directivity factor $Q = 2$

$L_p = 41.4$ dB

Where:

$L_w = 81.4$ dB
 $Q = 2$
 $r = 93$ Feet

ES sound power (Calc.)

Directivity factor

Input various values for r to approximate the perceived sound pressure at that distance from the ES door

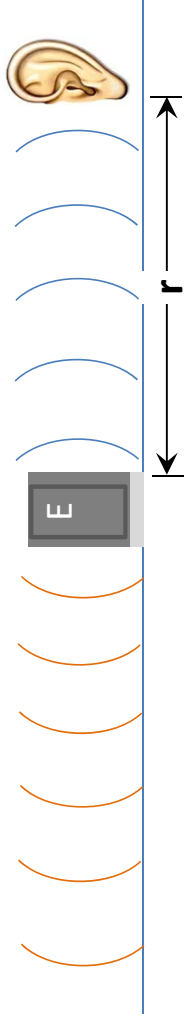


Exhibit 7

OFFICIALS

Name	Title	Mailing Address	Town	State	Zip
Richard Blumenthal	Senator	702 Hart Senate Office Building	Washington	DC	20510
Chris Murphy	Senator	840A Dirksen Senate Office Building	Washington	DC	20510
Jim Himes	U.S. Representative	1227 Longworth House Office Building	Washington	DC	20515
William Tong	Attorney General	55 Elm St.	Hartford	CT	06106
Katie Dykes	Commissioner, Dept. of Energy and Environmental Protection	79 Elm St.	Hartford	CT	06106-5127
Marissa Paslick Gillett	Chairman, Public Utilities Regulatory Authority	10 Franklin Square	New Britain	CT	06051
Deidre S. Gifford, MD, MPH	Acting Commissioner, Dept. of Public Health	410 Capitol Ave.	Hartford	CT	06134
Susan D. Morrow	Chair, Council on Environmental Quality	79 Elm St.	Hartford	CT	06106
Bryan P. Hurlburt	Commissioner, Dept. of Agriculture	450 Columbus Blvd., Suite 701	Hartford	CT	06103
Melissa McCaw	Secretary, Office of Policy and Management	450 Capitol Ave.	Hartford	CT	06106
Joseph Giuliotti	Commissioner, Dept. of Transportation	2800 Berlin Turnpike	Newington	CT	06111
David Lehman	Commissioner, Dept. of Economic and Community Development	450 Columbus Blvd.	Hartford	CT	06103
Regina Rush-Kittle	Deputy Commissioner, Dept. of Emergency Management and Homeland Security	1111 Country Club Rd.	Middletown	CT	06457
Michelle H. Seagull	Commissioner, Dept. of Consumer Protection	450 Columbus Blvd., Suite 901	Hartford	CT	06103
Josh Geballe	Commissioner, Dept. of Administrative Services	450 Columbus Blvd.	Hartford	CT	06103
Kurt Westby	Commissioner, Dept. of Labor	200 Folly Brook Blvd.	Wethersfield	CT	06109
Marilyn V. Moore	State Senator, 22nd District	Legislative Office Building, Room 3300	Hartford	CT	06106-1591
David Rutigliano	Representative, 123rd District	Legislative Office Building, Room 4200	Hartford	CT	06106
Vicki Tesoro	First Selectman, Town of Trumbull	5866 Main St., Second Floor	Trumbull	CT	06611
Rob Librandi	Land Use Planner	5866 Main St., Second Floor	Trumbull	CT	06611
Fred Garrity, Jr.	Chairman, Planning and Zoning Commission	5866 Main St., Second Floor	Trumbull	CT	06611
Steven Elbaum	Chairman, Zoning Board of Appeals	5866 Main St., Second Floor	Trumbull	CT	06611
Richard H. Girouard	Chairman, Inland Wetlands and Watercourses Commission	5866 Main St., Ground Floor	Trumbull	CT	06611
Mary Ellen Lemay	Chairman, Conservation Commission	5866 Main St., Second Floor	Trumbull	CT	06611
Ken Kellogg	First Selectman, Town of Monroe	7 Fan Hill Rd.	Monroe	CT	06468

Rick Schultz	Town Planner	Town Hall Annex, 7 Fan Hill Rd.	Monroe	CT	06468
William Agresta, AICP	Planning and Zoning Administrator	Town Hall Annex, 7 Fan Hill Rd.	Monroe	CT	06468
James R. Wendt	Chairman, Zoning Board of Appeals	Town Hall Annex, 7 Fan Hill Rd.	Monroe	CT	06468
William W. Porter	Chairman, Planning and Zoning Commission	Town Hall Annex, 7 Fan Hill Rd.	Monroe	CT	06468
Karen Burnaska	Chair, Conservation Commission	Town Hall Annex, 7 Fan Hill Rd.	Monroe	CT	06468
Keith Romano	Chairman, Inland Wetlands Commission	Town Hall Annex, 7 Fan Hill Rd.	Monroe	CT	06468
Matthew Fulda	Executive Director, Connecticut Metropolitan Council of Governments	1000 Lafayette Blvd., Suite 925	Bridgeport	CT	06604-4902

ABUTTING PROPERTY OWNERS - 90 MONROE TURNPIKE, TRUMBULL

Parcel ID	Property Address	Owner Name	Mailing Address	Town	State	Zip
D02-94	90 Monroe Turnpike	Old Mine Associates LLC c/o Peter Dinardo Enterprises	323 North Avenue	Bridgeport	CT	06606
D01-24-2	117 Monroe Turnpike	Shirley B Knecht TR & Stanley R Knecht TR & Richard L. Knecht TR	133 Lewis Road	Trumbull	CT	06611
D01-25	122 Monroe Turnpike	Norman T Glover	1385 Wood Avenue	Bridgeport	CT	06604
D02-73	100 Monroe Turnpike	Richard Aiello Trustee c/o Peter Dinardo Enterprises	323 North Avenue	Bridgeport	CT	06606
D02-74	1 Trefoil Drive	MIT Partners LLC	1 Trefoil Drive	Trumbull	CT	06611
E02-72	Old Mine Road	Town of Trumbull	5866 Main Street	Trumbull	CT	06611
D02-68	48 Monroe Turnpike	48 Monroe Turnpike LLC	857 Post Rd #346	Fairfield	CT	06824



VIA CERTIFICATE OF MAILING

July 15, 2020

RE: Application of Bloom Energy for the location and construction of one (1) new ES-5 Bloom Energy Server solid oxide fuel cell to provide 150 Kilowatts of Customer-Side Distributed Resource at 90 Monroe Turnpike, Trumbull, Connecticut

Dear Ladies and Gentlemen:

Pursuant to Section §16-50j-40 of the Connecticut Siting Council's (the "Council") regulations, we are notifying you that Bloom Energy intends to file, on or about July 14, 2020, a petition for declaratory ruling with the Council. The petition will request the Council's approval of the location and construction of a 150-kilowatt (KW) fuel cell installation and associated equipment. The Facility will be located at The Home Depot at 90 Monroe Turnpike in Trumbull, Connecticut (the "Site").

The purpose of the proposed Facility is to replace a portion of the annual load of The Home Depot operations at that location with a renewable energy source¹ and improve reliability of electrical systems and equipment. Electricity generated by the Facility will be consumed primarily at the Site, and any excess electricity will be exported to the electric grid. The Facility will be fueled by natural gas.

Keeping the lines of communication open is an important part of our work in your community. If you have questions about this work, please contact the undersigned or the Council.

Respectfully,

Justin Adams
justin.adams@bloomenergy.com



¹Connecticut General Statutes §16-1(a)(26)(A) identifies fuel cells as a "Class I renewable energy source"



Certificate of Mailing — Firm

<p>UNITED STATES POSTAL SERVICE®</p> <p>Name and Address of Sender</p> <p>Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385</p>	<p>TOTAL NO. of Pieces Listed by Sender</p> <p style="font-size: 2em; text-align: center;">6</p>	<p>TOTAL NO. of Pieces Received at Post Office™</p> <p style="font-size: 2em; text-align: center;">39</p>	<p>U.S. POSTAGE PAID WESTERLY, RI 02891 JUL 15, 20 AMOUNT \$16.77 R2304N117205-96</p> <p style="text-align: center;"> 0000 </p>
--	--	---	--

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Honorable Richard Blumenthal Senator 702 Hart Senate Office Building Washington, DC 20510				
2.	Hon. Chris Murphy Senator 840A Dirksen Senate Office Building Washington, DC 20510				
3.	Hon. Jim Himes U.S. Representative 1227 Longworth House Office Building Washington, DC 02515				
4.	Hon. William Tong Attorney General 55 Elm St. Hartford, CT 06106				
5.	Katie Dykes, Commissioner Dept. of Energy & Environmental Protection 79 Elm St. Hartford, CT 06106-5127				
6.	Marissa Paslick Gillett, Chairman Public Utilities Regulatory Authority 10 Franklin Square New Britain, CT 06051				



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of Receipt.			
Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	6					
Postmaster, per (name of receiving employee)						
USPS® Tracking Number Firm-specific Identifier		Address (Name, Street, City, State, and ZIP Code™)				
1.						
Hon. Marilyn V. Moore State Senator, 22nd District Legislative Office Building, Room 3300 Hartford, CT 06106-1591						
2.						
Hon. Vicki A Tesoro First Selectman 5866 Main St., Second Floor Trumbull, CT 06611						
3.						
Karen Burnaska, Chair, Conservation Commission Town Hall Annex 7 Fan Hill Rd. Monroe, CT 06468						
4.						
James R. Wendt, Chairman, Zoning Board of Appeals Town Hall Annex 7 Fan Hill Rd. Monroe, CT 06468						
5.						
William W. Porter, Chairman, Planning & Zoning Comm'n Town Hall Annex 7 Fan Hill Rd. Monroe, CT 06468						
6.						
William Agresta, AICP Planning & Zoning Administrator 7 Fan Hill Rd. Monroe, CT 06468						

Certificate of Mailing — Firm



Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here <i>Postmark with Date of Receipt.</i>	Postage	Fee	Special Handling	Parcel Airlift
<p>Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385</p>	<p>6</p>	<p>Postmaster, per (name of receiving employee)</p>					
<p>USPS® Tracking Number Firm-specific Identifier</p>	<p>Address (Name, Street, City, State, and ZIP Code™)</p>						
1.	<p>Regina Rush-Kittle, Deputy Commissioner Div. of Emergency Mgmt and Homeland Security 1111 Country Club Rd. Middletown, CT 06457</p>						
2.	<p>Michelle H. Seagull, Commissioner Department of Consumer Protection 450 Columbus Blvd., Suite 901 Hartford, CT 06103</p>						
3.	<p>Josh Geballe, Commissioner Department of Administrative Services 450 Columbus Blvd. Hartford, CT 06103</p>						
4.	<p>Kurt Westby, Commissioner Department of Labor 200 Folly Brook Blvd. Wethersfield, CT 06109</p>						
5.	<p>Matthew Fulda, Executive Director CT Metropolitan Council of Governments 1000 Lafayette Blvd., Ste. 925 Bridgeport, CT 06604-4902</p>						
6.	<p>Hon. David Rutigliano Representative Legislative Office Building, Room 4200 Hartford, CT 06106</p>						



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of Receipt.	Fee	Special Handling	Parcel Airlift
Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311. Waterford, CT 06385	6 Postmaster, per (name of receiving employee)					
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)					
1.	Deidre S. Gifford, MD, MPH, Acting Commissioner	Department of Public Health				
2.	Susan D. Merrow, Chair	Council on Environmental Quality				
3.	Bryan P. Hurlburt, Commissioner	Department of Agriculture				
4.	Melissa McCaw, Secretary	Office of Policy and Management				
5.	Joseph Giullietti, Commissioner	Department of Transportation				
6.	David Lehman, Commissioner	Dept. of Economic and Community Development				



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of Receipt.	
<p>Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385</p>	<p>6</p> <p>Postmaster, per (name of receiving employee)</p>			
<p>USPS® Tracking Number Firm-specific Identifier</p>				
1.				
2.				
3.				
4.				
5.				
6.				



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of Receipt.		
Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	4				
Postmaster, per (name of receiving employee)					
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	MIT Partners LLC 1 Trefoil Dr. Trumbull, CT 06611				
2.	Richard Aiello Trustee c/o Peter DiNardo Enterprises 323 North Ave. Bridgeport, CT 06606 Norman Glover 1385 Wood Ave. Bridgeport, CT 06604				
3.					
4.	Shirley B. Knecht TR & Stanley R. Knecht TR & Richard L. Knecht TR 133 Lewis Rd. Trumbull, CT 06611				
5.					
6.					



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of Receipt.	Fee	Special Handling	Parcel Airlift
<p>Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385</p>	<p>5</p> <p>Postmaster, per (name of receiving employee)</p>					
<p>USPS® Tracking Number</p>	<p>Address (Name, Street, City, State, and ZIP Code™)</p>					
<p>Firm-specific Identifier</p>	<p>1. Fred Garrity, Jr., Chairman</p>					
	<p>Planning and Zoning Commission</p>					
	<p>5866 Main St., Second Floor</p>					
	<p>Trumbull, CT 06611</p>					
	<p>2. Rob Librandi</p>					
	<p>Land Use Planner</p>					
	<p>5866 Main St., Second Floor</p>					
	<p>Trumbull, CT 06611</p>					
	<p>3. Old Mine Associates, LLC</p>					
	<p>c/o Peter DiNardo Enterprises</p>					
	<p>323 North Ave.</p>					
	<p>Bridgeport, CT 06606</p>					
	<p>4. 48 Monroe Turnpike LLC</p>					
	<p>857 Post Rd. #346</p>					
	<p>Fairfield, CT 06824</p>					
	<p>5. Town of Monroe</p>					
	<p>7 Fan Hill Rd</p>					
	<p>Monroe, CT 06468</p>					
	<p>6.</p>					

Exhibit 8

Jennifer Young Gaudet

From: Jennifer Young Gaudet
Sent: Tuesday, July 14, 2020 6:03 PM
To: 'rlibrandi@trumbull-ct.gov'
Subject: FW: Bloom Energy - The Home Depot, 90 Monroe Turnpike, Trumbull
Attachments: Home Depot Trumbull CT Site Overview Map.pdf; Home Depot Trumbull CT Exhibit 3 - Site Layout.pdf

Dear Mr. Librandi:

I recognize that, with the challenges of Covid-19 operations, you may not have had an opportunity to review my email of June 16 (below). We are in the final stages of petition preparation, with a Siting Council filing anticipated on or about July 20. Should you have any questions or comments after the petition is submitted, the Siting Council will afford the Town an opportunity for comment. In the meantime, I remain available to receive or discuss any comments or questions you may have.

Thank you.
Jennifer

Jennifer Young Gaudet
860.798.7454

From: Jennifer Young Gaudet
Sent: Tuesday, June 16, 2020 10:31 AM
To: 'rlibrandi@trumbull-ct.gov' <rlibrandi@trumbull-ct.gov>
Subject: Bloom Energy - The Home Depot, 90 Monroe Turnpike, Trumbull

Dear Mr. Librandi:

I am writing on behalf of Bloom Energy in connection with a planned fuel cell installation at The Home Depot location at 90 Monroe Turnpike. Attached are plans depicting the proposed installation, which will consist of one 150-kW energy server and associated equipment, and be fueled by natural gas. As shown, the installation will be at the northeast portion of the property, and will have no effect on parking or operations at the site.

Bloom will be submitting a petition to the Connecticut Siting Council for approval. In preparation for the filing, we are seeking any comments you or other appropriate Town departments may have on the proposed plans.

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.

Thank you.

Jennifer Young Gaudet



Surjudo #P dgdjhu#

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