



June 29, 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, 89 Interstate Park Drive, Southington, 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 89 Interstate Park Drive, Southington, 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 89 INTERSTATE PARK DRIVE,	:	
SOUTHBURG, CT	:	JUNE 29, 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 89 Interstate Park Drive, Southington, 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

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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 Protection....

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
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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 northern part of the property, behind the retail building. The project area will be cut into a grassy slope adjacent to a paved drive, and a retaining wall on the north, east and west sides. The Facility will be interconnected

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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 Eversource 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 Eversource in July 2020. Bloom anticipates initial feedback, including an impact analysis and cost determination, within approximately 30 days of submission. Final approvals are anticipated in September 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 Southington 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 northern portion of a 9.74-acre parcel in the northern area of Southington west of I-84. The property is in the Town’s Business Zone. The Facility is designed to take advantage of utility infrastructure while minimizing impact on operational requirements and traffic and pedestrian flow within the Site.

A religious campground and center, which is largely wooded, is immediately to the north of the property. I-84 is to the east and southeast. Residential properties are to the west. Abutting properties to the south are commercially developed; in general, commercial development predominates along the Queen Street corridor to the west. The nearest property line to the proposed Facility equipment is with the campground approximately nine feet to the north. The

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

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closest residentially developed property, other than the campground, is approximately 190 feet east of the Facility.

ii. Wildlife and Habitat

Based on a review of the publicly available Connecticut Department of Energy and Environmental Protection (DEEP) Natural Diversity Database (NDDB) June 2020 data, the proposed Facility is not within .25 mile of an identified location of endangered, threatened and special concern species or significant natural community. Exhibit 4.

iii. Wetlands and Watercourses

There are no identified natural wetlands or watercourses within the proposed location of the Facility. The nearest wetland is approximately 200 feet west and southwest of the Facility. Exhibit 4. The Facility is located within a previously developed area and no clearing of existing landscaping and minimal excavation and grading is required for its development.

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 .23 mile to the east 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

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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 NOx, SOx, 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 (NOx)	<0.01 lbs/MWh	0.07 lbs/MWh
Carbon Monoxide (CO)	<0.05 lbs/MWh	0.10 lbs/MWh
Sulfur Oxides (SOx)	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 (EPA) “eGrid” data, the proposed facility is expected to reduce carbon emissions by more than 25% while essentially eliminating local air pollutants like NOx, SOx, 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

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%

nearest receptor is the campground to the north of the Facility, which is classified as a Class B receptor (75. Resorts and Group Camps).⁶ As such, a limit of 62 dBA (day or night) applies. The results of the sound model predicting noise levels at that property boundary, located at a distance of approximately 9 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 with no structures taller than the proposed source of the noise to reflect sound from either side. The results of the Scenario 2 sound model at 9 feet are 61.7 dBA. Not reflected in the calculation is the planned installation of sound dampening material, which is applied between the equipment and the exterior equipment cover.

The Town’s ordinance restricts construction activities to Monday through Saturday, 7:00 a.m. to 8:00 p.m. and Sunday and holidays, 11:00 a.m. to 6:00 p.m.

ix. Visual Effects

The visual effect of the Facility will be minimal. Woodland to the north will limit views from within most of the campground property. Mature tree growth will also limit visibility from properties to the east west and northwest, and The Home Depot building will block views from the south and east. The addition of the Facility is minor relative to the existing development within the Site, and is consistent with the existing commercial development.

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).

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. Robert A. Phillips, MS, AICP, Director of Planning and Community Development of the Town of Southington, and provided plans for review. Mr. Phillips has forwarded the plans to the Fire Marshall for review and provided information about the municipal permits that will be required. *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.

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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

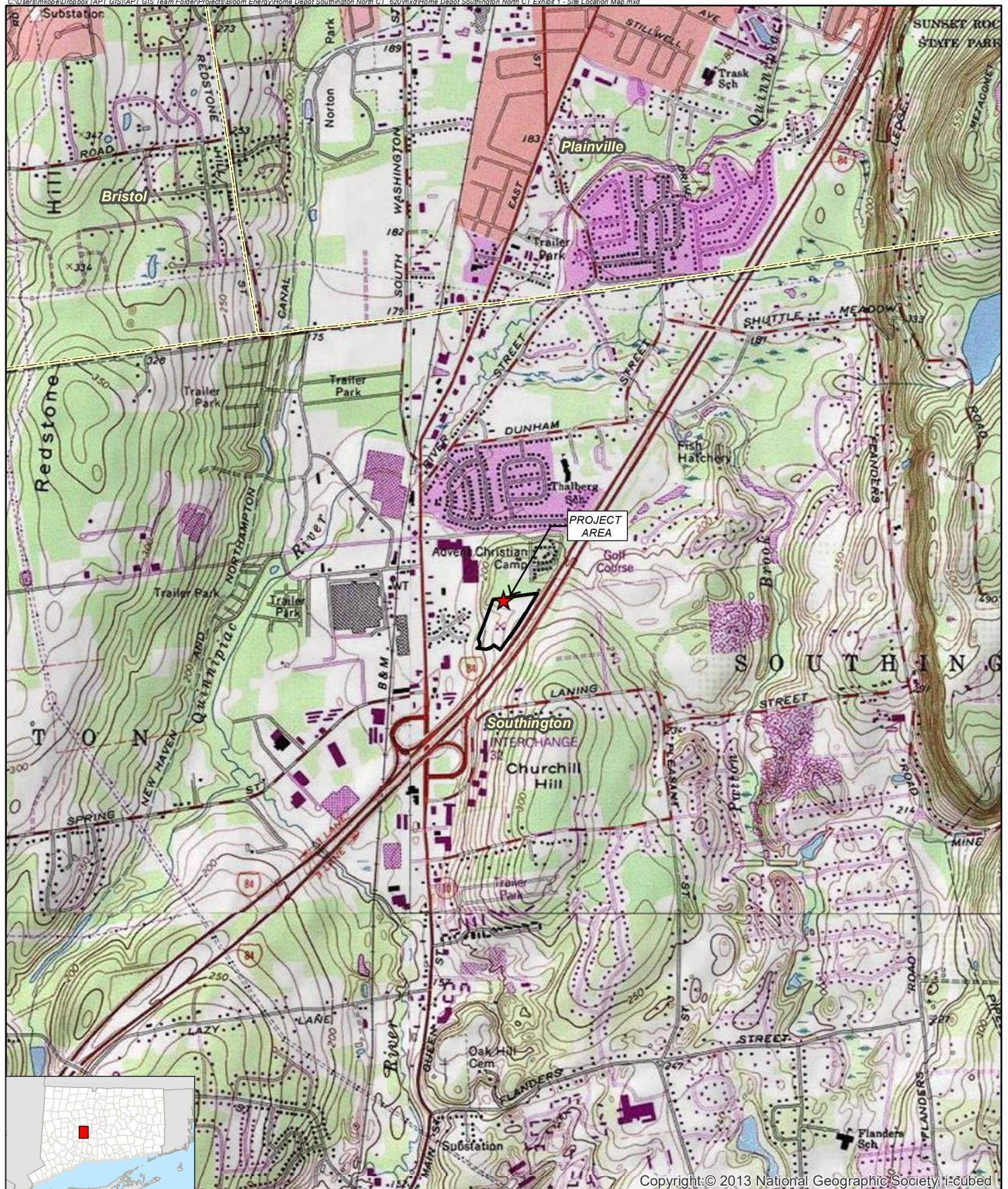
By:



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Exhibit 1



Legend

- ★ Project Area
- Site
- Municipal Boundary

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map:
Southington, CT (1992)
Map Scale: 1:24,000
Map Date: May 2020



1,000 500 0 1,000
Feet

Exhibit 1 Site Location Map

Proposed Bloom Energy Facility
The Home Depot
Store #6208
89 Interstate Park Drive
Southington, Connecticut

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Exhibit 2



Legend

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

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

300 150 0 300
 Feet

Exhibit 2 Site Vicinity

Proposed Bloom Energy Facility
 The Home Depot
 Store #6208
 89 Interstate Park Drive
 Southington, Connecticut

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Exhibit 3



Legend

Proposed Bloom Energy Server	■ Bollard
Electrical Service	□ Proposed Landscaping Wall
Gas Supply Line	□ Site
Water Line	

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

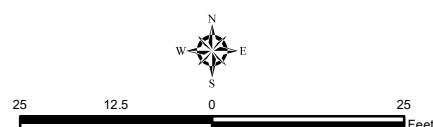


Exhibit 3 Site Layout

Proposed Bloom Energy Facility
The Home Depot
Store #6208
89 Interstate Park Drive
Southington, Connecticut

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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.

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Be

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Exhibit 4



Exhibit 4 Environmental Resources

Proposed Bloom Energy Facility
The Home Depot
Store #6208
89 Interstate Park Drive
Southington, Connecticut

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500 250 0 500
Feet



Exhibit 5



Fire Prevention and Emergency Planning – Grid Parallel

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

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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 mode 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

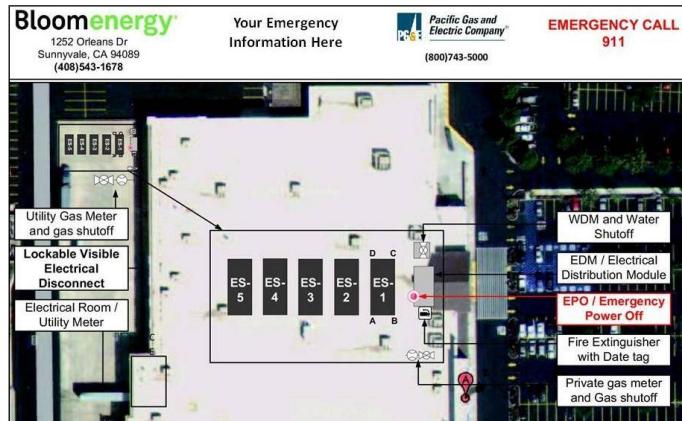


Figure 4: Sample Site Map

Manual controls:

- Clearly marked emergency stop button labeled —Fuel Cell Emergency Shut Downll 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):

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

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

Scenario 1

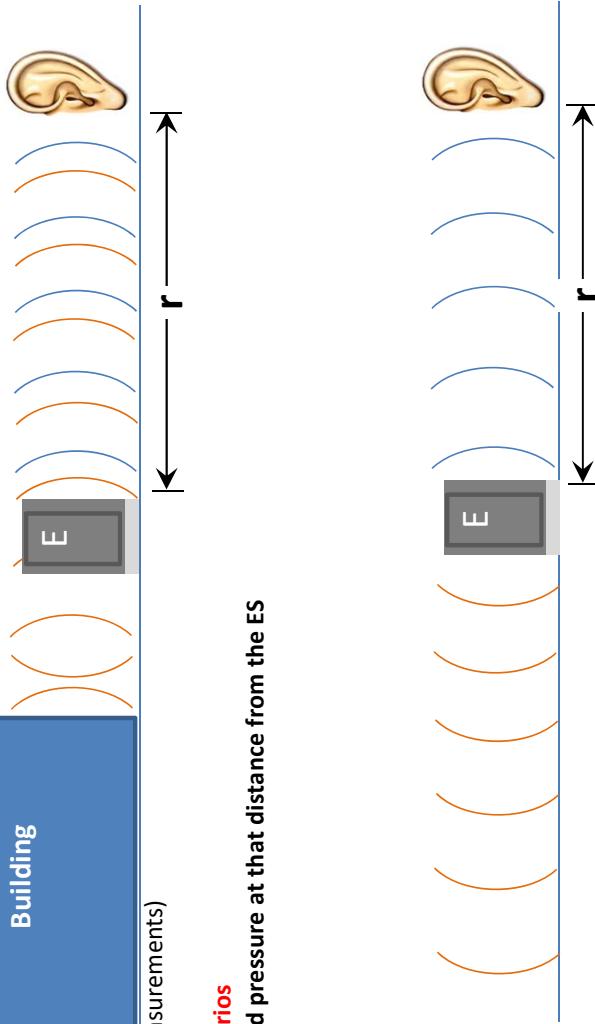
ES is installed close to a building or tall wall so noise from the ES is reflected off of the structure and added to the noise from the other side of the ES making it sound louder than normal. This is represented by a directivity factor $Q = 4$

$$L_p = \text{64.7 dB}$$

Where:

$L_w =$	81.4 dB	ES sound power (Calc. from measurements)
$Q =$	4	Directivity factor
$r =$	9 Feet	Enter value here for both Scenarios

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



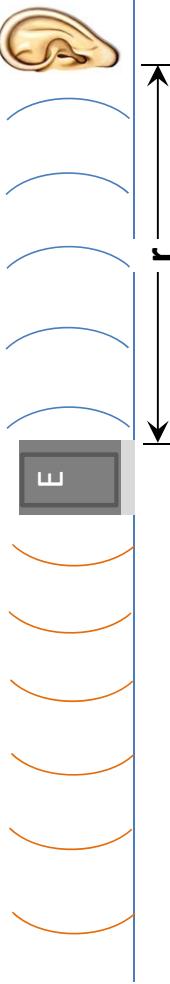
Scenario 2 with no structures behind it to reflect sound from either side. This is represented by a directivity factor $Q = 2$

$$L_p = \text{61.7 dB}$$

Where:

$L_w =$	81.4 dB	ES sound power (Calc.)
$Q =$	2	Directivity factor
$r =$	9 Feet	Enter value here for both Scenarios

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



Bloomenergy®

Exhibit 7

OFFICIALS

Name	Title	Mailing Address	Town	State	Zip
Richard Blumenthal	Senator	702 Hart Senate Office Building 840A Dirksen Senate Office Building	Washington	DC	20510
Chris Murphy	Senator	1501 Longworth House Office Building 55 Elm St.	Washington	DC	20510
John Larson	U.S. Representative		Washington	DC	20515
William Tong	Attorney General		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. Merrow	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 Giulietti	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
Rob Sampson	State Senator, 16th District	Legislative Office Building, Room 3400	Hartford	CT	06106
Joe Aresimowicz	Representative, 30th District	Legislative Office Building, Room 4011	Hartford	CT	06106
Mark Sciota	Town Manager, Town of Southington	75 Main St.	Southington	CT	06489
Victoria Triano	Chairwoman, Town of Southington Town Council	75 Main St.	Southington	CT	06489
Robert Hammersley	Chair, Planning and Zoning Commission	196 Main St.	Southington	CT	06489
David Byrne	Chair, Conservation Commission	196 Main St.	Southington	CT	06489
Robert A. Phillips, MS, MPA, AICP	Director of Planning and Community Development	196 Main St.	Southington	CT	06489
	Capitol Region Council of Governments	241 Main St. #4	Hartford	CT	06106-5310

ABUTTING PROPERTIES

Parcel ID	Property Address	Owner Name	Mailing Address	Town	State	Zip
181060	89 INTERSTATE PARK DR	HOME DEPOT USA INC	PROPERTY TAX DEPT RE #6208, PO BOX 105842	ATLANTA	GA	30348-5842
1931280000	891 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	PLAINVILLE	CT	06062-3920
1931280001	891-05 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	SOUTHWICHING	CT	06489
1931280002	891-09 QUEEN ST	WALLINGFORD ADVENT CHRISTIAN CHURCH	20 N WHITTLESEY AVE	WALLINGFORD	CT	06492-3620
1931280003	891-11 QUEEN ST	GRANT WAYNE F	33 CHRISTOPHER ST	BRISTOL	CT	06010
1931280004	891-12 QUEEN ST	SPINKS MARGARET	69 LOMBARD AVE UNIT#12	EAST LONGMEADOW	MA	01028
1931280005	891-16 QUEEN ST	HOYT KELLY	52 NORTH BRIDGE ST	NORWALK	CT	06856
1931280006	891-17 QUEEN ST	CHADBOURNE NELSON & ADVENT C GR 17	891 QUEEN ST BOX 2	SOUTHWICHING	CT	06489
1931280007	891-18 QUEEN ST	CONNER KIM M	45 LIVINGSTON AVE	DOVER	NJ	07801
1931280008	891-20 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	SOUTHWICHING	CT	06489
1931280009	891-23 QUEEN ST	GIBBS BILL & JULIE & ADVENT C GR 23	891 QUEEN ST #15	SOUTHWICHING	CT	06489
1931280010	891-24 QUEEN ST	WILLARD ANDREW J	891-24 QUEEN ST	SOUTHWICHING	CT	06489
1931280011	891-25 QUEEN ST	SMITH DAVID & JOANN	60 NORTH SUMMIT ST	SOUTHWICHING	CT	06489
1931280012	891-26 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	SOUTHWICHING	CT	06489
1931280013	891-27 QUEEN ST	ALIX LIANE	891 QUEEN ST BOX 7	SOUTHWICHING	CT	06489-1261
1931280014	891-28 QUEEN ST	DUNCAN CLAYTON	217 DOLPHIN CIRCLE	MIDDLEBURG	FL	32068
1931280015	891-30 QUEEN ST	WILLARD WESLEY	891-66 QUEEN ST	SOUTHWICHING	CT	06489
1931280016	891-31 QUEEN ST	FENN BRUCE A & KERRIA & ADVENT C GR 31	891 QUEEN ST #31	SOUTHWICHING	CT	06489
1931280017	891-34 QUEEN ST	MESERVEY RICHARD A & DEBORAH L	944 PEABODY RD	APPLETON	ME	04862
1931280018	891-36 QUEEN ST	GARDNER JOHN A & RAYMOND J	66 N SUMMIT ST	SOUTHWICHING	CT	06489
1931280019	891-38 QUEEN ST	GARDNER RAYMOND	42 WILSON RD	WOLCOTT	CT	06716
1931280020	891-39 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	SOUTHWICHING	CT	06489
1931280022	891-42 QUEEN ST	CROUSE STEVEN & DONNA	14 GLENWOOD ST UNIT#42	ENFIELD	CT	06082-2715
1931280023	891-43 QUEEN ST	CROUSE BRIAN	33 CARMELA TERR	ENFIELD	CT	06082
1931280027	891-48 QUEEN ST	CROUSE KEVIN	56 OAKWOOD ST	ENFIELD	CT	06082-2725
1931280024	891-44 QUEEN ST	ALIX RAYMOND & LOIS & ADVENT C GR 44	891 QUEEN ST BOX 7 UNIT#44	SOUTHWICHING	CT	06489
1931280025	891-45 QUEEN ST	WILSON JOE & MARILYN	73 SYCAMORE STREET	BRISTOL	CT	06010
1931280026	891-47 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	SOUTHWICHING	CT	06489
1931280028	891-50 QUEEN ST	VENNERT BERNICE F	1506 WILBRAHAM RD	SPRINGFIELD	MA	01119
1931280029	891-51 QUEEN ST	CROUSE HORACE R	33 CARMELA TER	ENFIELD	CT	06082-3003
		ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST #54	SOUTHWICHING	CT	06489-1261
		RUSHING BRADS & HEATHER M	C/O JOHN H HEALD, PO BOX 172	PLAINVILLE	CT	06062-1720
		CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST 56	SOUTHWICHING	CT	06489-1261
		CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	82 BENNETT AVE	AUBURN	ME	04210
		LUCIANO PHILIP	891 QUEEN ST #58	SOUTHWICHING	CT	06489
		LOGHRY JAMES & MIRIAM & ADVENT C GR 58	C/O KELLY HOYT, 52 NORTH BRIDGE	NORWALK	CT	06855
		CONNECTICUT & WESTERN MASS WOMAN HOME & ST	31 GARGON TER	SOUTHWICK	MA	01077
		FOREIGN MISSION SOCIETY	891 QUEEN ST	SOUTHWICHING	CT	06489
		BISHOP ELAINE L				
		CONNECTICUT ADVENT CHRISTIAN CAMPGROUND				

1931280040	891-66 QUEEN ST	WILLARD WESLEY J	891 QUEEN ST BOX 14	06489
1931280041	891-69 QUEEN ST	HOYT KELLY MARIE	52 NO BRIDGE ST UNIT#69	06855
1931280042	891-76 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	06489
1931280043	891-77 QUEEN ST	MARTIN MATHEW	43509 WHEADON TER	20152
1931280044	891-78 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891-78 QUEEN ST	06489
1931280045	891-01 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280046	891-02 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280047	891-03 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280048	891-04 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280049	891-08 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280050	891-19 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280051	891-21 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062-0392
1931280053	891-41 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	891 QUEEN ST	06489
1931280054	891-46 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PO BOX 392	06062
1931280055	891-49 QUEEN ST	MEAD DAVID & DIANE M	SPRINGFIELD	01118
1931280056	891-52 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PLAINVILLE	06062-0392
1931280057	891-53 QUEEN ST	WILLARD WESLEY J MR & MRS & ADVENT C GR 53	PLAINVILLE	06489
1931280058	891-59 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PLAINVILLE	06062-0392
1931280059	891-62 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PLAINVILLE	06489
1931280060	891-64 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PLAINVILLE	06062-0392
1931280061	891-68 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PLAINVILLE	06062-0392
1931280062	891-71 QUEEN ST	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND	PLAINVILLE	06062-0392
1931280063	ADVENT C GR RES	CONNECTICUT ADVENT	PLAINVILLE	06062-0392
1931280064	ADVENT C GR FIRST AID	CONNECTICUT ADVENT	PLAINVILLE	06062-0392
1931280065	ADVENT C GR SANC	CONNECTICUT ADVENT	PLAINVILLE	06062-0392
1931280450		CT ADVENT TABERNACLE CONDOS	NEWINGTON	0
182011	133 DORAL LN	CONNECTICUT ADVENT CHRISTIAN CAMP	ENFIELD	06082
182004	61 DORAL LN	DORAL LANE PROPERTY OWNERS	SOUTHINGTON	06489-1613
170069	295 LANING ST	FRAGOLA FRANK & MARY	SOUTHINGTON	06489-5250
170068	243 LANING ST	FAITH BAPTIST CHURCH OF	SOUTHINGTON	06489-1622
182001	74 INTERSTATE PARK DR	HOME DEPOT USA INC	ATLANTA	30348-5842
181061	60 INTERSTATE PARK DR	AGREE STORES LLC	BLOOMFIELD HILLS	48304
1810590270	PARK PL	PARK PLACE CONDOS	PLYMOUTH	06782-2413
1810590001	79-01 INTERSTATE PARK DR	MALLEY MARK G	NEWINGTON	0
1810590002	79-02 INTERSTATE PARK DR	PATHANI IQBAL & SAJEDA	SOUTHINGTON	06489
1810590003	79-03 INTERSTATE PARK DR	LOMPART KRYSZTOF & BARBARA	SOUTHINGTON	06489
1810590004	79-04 INTERSTATE PARK DR	DITUNNO JENNIFER	SOUTHINGTON	06489
1810590005	79-05 INTERSTATE PARK DR	GIGUERE SCOTT & KATHERINE	SOUTHINGTON	06489
1810590006	79-06 INTERSTATE PARK DR	BEGIN KATRINA S	SOUTHINGTON	06489
1810590007	79-07 INTERSTATE PARK DR	SINGH TAJINDERVIR	SOUTHINGTON	06489
1810590008	79-08 INTERSTATE PARK DR	BROWN SONIA E	SOUTHINGTON	06489
1810590009	79-09 INTERSTATE PARK DR	KALRA JASWINDER SINGH	SOUTHINGTON	06489
1810590010	79-10 INTERSTATE PARK DR	RODRIGUEZ JESUS M & JOHANNA Y	SOUTHINGTON	06489

1810590011 79-11 INTERSTATE PARK DR FEDERAL NATIONAL MORTGAGE ASSOCIATION
1810590012 79-12 INTERSTATE PARK DR KUMAR NAVEEN

GRANITE PARK VII
79 INTERSTATE PARK DR UNIT #12

PLANO
SOUTHBURG

TX
CT

75024
06489



VIA CERTIFICATE OF MAILING

June 22, 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 89 Interstate Park Drive, Southington, 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 2, 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 89 Interstate Park Drive in Southington, 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

Be

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



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Postmaster, per (name of receiving employee)		
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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. John Larson U.S. Representative	
	1501 Longworth House Office Building Washington, DC 20515	
4.	Hon. William Tong Attorney General	
	55 Elm St. Hartford, CT 06106-5127	
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	

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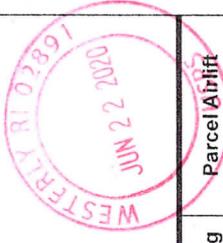


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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Deidre S. Gifford, MD, MPH, Acting Commissioner Department of Public Health 410 Capitol Ave. Hartford, CT 06134				
2.	Susan D. Merrow, Chair Council on Environmental Quality 79 Elm St. Hartford, CT 06106				
3.	Bryan P. Hurlburt, Commissioner Department of Agriculture 450 Columbus Blvd., Suite 701 Hartford, CT 06103				
4.	Melissa McCaw, Secretary Office of Policy and Management 450 Capitol Ave. Hartford, CT 06106				
5.	Joseph Guilietti, Commissioner Department of Transportation 2800 Berlin Turnpike Newington, CT 06111				
6.	David Lehman, Commissioner Dept. of Economic and Community Development 450 Columbus Blvd Hartford, CT 06103				



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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift	
1.	Regina Rush-Kittle, Deputy Commissioner Div. of Emergency Mgmt and Homeland Security 1111 Country Club Rd. Middletown, CT 06457					
2.	Michelle H. Seagull, Commissioner Department of Consumer Protection 450 Columbus Blvd., Suite 901 Hartford, CT 06103					
3.	Josh Geballe, Commissioner Department of Administrative Services 450 Columbus Blvd. Hartford, CT 06103					
4.	Kurt Westby, Commissioner Department of Labor 200 Folly Brook Blvd. Wethersfield, CT 06109					
5.	Capitol Region Council of Governments 241 Main St #4 Hartford, CT 06106-5310					
6.						



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Waterford, CT 06385



Postmaster, per (name of receiving employee)

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1.	HOME DEPOT USA INC, PROPERTY TAX DEPT RE #6208 PROPERTY TAX DEPT RE #6208, PO BOX 105842 ATLANTA, GA 30348-5842			
2.	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND PO BOX 392 PLAINVILLE, CT 06062-3920			
3.	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND 891 QUEEN ST SOUTHINGTON, CT 06489			
4.	WALLINGFORD ADVENT CHRISTIAN CHURCH 20 N WHITTLESEY AVE WALLINGFORD, CT 06492-3620			
5.	GRANT WAYNE F 33 CHRISTOPHER ST BRISTOL, CT 06010			
6.	SPINKS MARGARET 69 LOMBARD AVE UNIT#12 EAST LONGMEADOW, MA 01028			



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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling U Parcel Airlift
1.	HOYT KELLY 52 NORTH BRIDGE ST NORWALK, CT 06856			
2.	CHADBOURNE NELSON & ADVENT C GR 17 891 QUEEN ST BOX 2 SOUTHBURG, CT 06489			
3.	CONNER KIM M 45 LIVINGSTON AVE DOVER, NJ 07801			
4.	GIBBS BILL & JULIE & ADVENT C GR 23 891 QUEEN ST #15 SOUTHBURG, CT 06489			
5.	WILLARD ANDREW J 891-24 QUEEN ST SOUTHBURG, CT 06489			
6.	SMITH DAVID & JOANN 60 NORTH SUMMIT ST SOUTHBURG, CT 06489			



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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling Parcel Airlift
1.	ALIX LIANE 891 QUEEN ST BOX 7 SOUTHINGTON, CT 06489-1261			
2.	DUNCAN CLAYTON 217 DOLPHIN CIRCLE MIDDLEBURG, FL 32068			
3.	VILLARD WESLEY 891-66 QUEEN ST SOUTHINGTON, CT 06489			
4.	FENN BRUCE A & KERRIA & ADVENT C GR 31 891 QUEEN ST #31 SOUTHINGTON, CT 06489			
5.	MESERVE RICHARD A & DEBORAH L 944 PEABODY RD APPLETON, ME 04862			
6.	GARDNER RAYMOND 66 N SUMMIT ST SOUTHINGTON, CT 06489			



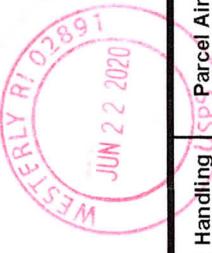


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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)		Postage	Fee	Special Handling USPS® Parcel Airlift
1.	GARDNER JOHN A & RAYMOND J 42 WILSON RD WOLCOTT, CT 06716				
2.	CROUSE STEVEN & DONNA 14 GLENWOOD ST UNIT#42 ENFIELD, CT 06082-2715				
3.	CROUSE BRIAN 33 CARMELA TERR ENFIELD, CT 06082				
4.	CROUSE KEVIN 56 OAKWOOD ST ENFIELD, CT 06082-2725				
5.	ALIX RAYMOND & LOIS & ADVENT C GR 44 891 QUEEN ST BOX 7 UNIT#44 SOUTHINGTON, CT 06489				
6.	WILSON JOE & MARILYN 73 SYCAMORE STREET BRISTOL, CT 06010				



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1.	VENNERT BERNICE F 1506 WILBRAHAM RD SPRINGFIELD, MA 01119			
2.	CROUSE HORACE R 33 CARMELLA TER ENFIELD, CT 06082-3003			
3.	RUSHING BRAD S & HEATHER M ADVENT CHRISTIAN CAMPGROUND 891 QUEEN ST # 54 SOUTHINGTON, CT 06489-1261			
4.	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND C/O JOHN H HEALD, PO BOX 172 PLAINVILLE, CT 06062-1720			
5.	CONNECTICUT ADVENT CHRISTIAN CAMPGROUND 891 QUEEN ST 56 SOUTHINGTON, CT 06489-1261			
6.	LUCIANO PHILIP 82 BENNETT AVE AUBURN, ME 04210			



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1.		LOGHRY JAMES & MIRIAM & ADVENT C GR 58 891 QUEEN ST #58 SOUTHINGTON, CT 06489			Parcel Airlift
2.		CONNECTICUT & WESTERN MASS WOMAN HOME & FOREIGN MISSION SOCIETY, c/o KELLY HOYT 52 NORTH BRIDGE ST NORWALK, CT 06855			
3.		BISHOP ELAINE L 31 GARGON TER SOUTHWICK, MA 01077			
4.		WILLARD WESLEY J 891 QUEEN ST BOX 14 SOUTHINGTON, CT 06489			
5.		HOYT KELLY MARIE 52 NO BRIDGE ST UNIT#69 NORWALK, CT 06855			
6.		MARTIN MATHEW 43509 WHEADON TER CHANTILLY, VA 20152			



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USPS® Tracking Number Firm-specific Identifier		Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.		CONNECTICUT ADVENT CHRISTIAN CAMP 56 OAKWOOD ST ENFIELD, CT 06082				
2.		DORAL LANE PROPERTY OWNERS 201 PATTONWOOD DR SOUTHINGTON, CT 06489-1613				
3.		FRAGOLA FRANK & MARY 127 MAPLEWOOD RD SOUTHINGTON, CT 06489-5250				
4.		MARK SCIOTA, TOWN MANAGER TOWN OF SOUTHBINGTOM 75 MAIN ST. SOUTHINGTON, CT 06489				
5.		VICTORIA TRIANO, CHAIRWOMAN TOWN OF SOUTHBINGTOM TOWN COUNCIL 75 MAIN ST. SOUTHINGTON, CT 06489				
6.		ROBERT HAMMERSLEY, CHAIR PLANNING AND ZONING COMMISSION 196 N. MAIN ST. SOUTHINGTON, CT 06489				



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1.	FAITH BAPTIST CHURCH OF 243 LANING ST SOUTHINGTON, CT 06489-1622			
2.	AGREE STORES LLC 70 EAST LONG LAKE RD BLOOMFIELD HILLS, MI 48304			
3.	MALLEY MARK G 242 SOUTH ST PLYMOUTH, CT 06782-2413			
4.	PATHAN IQBAL & SAJEDA 79 INTERSTATE PARK DR UNIT #2 SOUTHINGTON, CT 06489			
5.	LOMPART KRYSZTOF & BARBARA 79 INTERSTATE PARK DR UNIT #3 SOUTHINGTON, CT 06489			
6.	DAVID BYRNE, CHAIR CONSERVATION COMMISSION 196 N. MAIN ST. SOUTHINGTON, CT 06489			



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1.	DITUNNO JENNIFER 79 INTERSTATE PARK DR UNIT #4 SOUTHINGTON, CT 06489			
2.	GIGUERE SCOTT & KATHERINE 79 INTERSTATE PARK DR UNIT #5 SOUTHINGTON, CT 06489			
3.	BEGIN KATRINA S 79 INTERSTATE PARK DR UNIT #6 SOUTHINGTON, CT 06489			
4.	SINGH TAJINDERVIR 79 INTERSTATE PARK DR UNIT #7 SOUTHINGTON, CT 06489			
5.	BROWN SONIA E 79 INTERSTATE PARK DR UNIT #8 SOUTHINGTON, CT 06489			
6.	KALRA JASWINDER SINGH 79 INTERSTATE PARK DR UNIT #9 SOUTHINGTON, CT 06489			

Exhibit 8

Jennifer Young Gaudet

From: Rob Phillips <phillipsr@southington.org>
Sent: Friday, June 26, 2020 1:21 PM
To: Jennifer Young Gaudet
Cc: Melissa LaMontagne; Betty Griffin; David Lavallee; Sheila McDonald; Justin Adams
Subject: RE: Bloom Energy fuel cell installations - The Home Depot, 89 Interstate Park Drive, Southington

Understood. Thank you

From: Jennifer Young Gaudet <jyounggaudet@allpointstech.com>
Sent: Friday, June 26, 2020 12:55 PM
To: Rob Phillips <phillipsr@southington.org>
Cc: Melissa LaMontagne <lamontagnem@southington.org>; Betty Griffin <griffinb@southington.org>; David Lavallee <lavalleed@southington.org>; Sheila McDonald <mcdonalds@southington.org>; Justin Adams <Justin.Adams@bloomenergy.com>
Subject: RE: Bloom Energy fuel cell installations - The Home Depot, 89 Interstate Park Drive, Southington

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

As the Siting Council supersedes local zoning jurisdiction, the setback requirement and variance issue would be superseded by a Council decision approving the project.

As a general technical matter, the location of the fuel cell is limited by the need for proximity to electrical and natural gas points of connection. In this instance, the location is further constrained by the configuration of the existing development.

After Bloom's petition is filed, the Council will offer an opportunity for comments. Please feel free to reach out to me or to Justin Adams, Bloom's Permitting Manager (copied here, phone 860.839.8373) to discuss any additional questions or comments.

Jennifer Young Gaudet
860.798.7454

From: Rob Phillips <phillipsr@southington.org>
Sent: Tuesday, June 16, 2020 4:27 PM
To: Jennifer Young Gaudet <jyounggaudet@allpointstech.com>
Cc: Melissa LaMontagne <lamontagnem@southington.org>; Betty Griffin <griffinb@southington.org>; David Lavallee <lavalleed@southington.org>; Sheila McDonald <mcdonalds@southington.org>
Subject: RE: Bloom Energy fuel cell installations - The Home Depot, 89 Interstate Park Drive, Southington

Good afternoon,

As with the other one a Building, electric, mechanical and most likely plumbing permit will be necessary. Plans will be going to Fire Dept for review as well.

However, there appears to potentially a setback variance issue due to distance to property line.

From: Jennifer Young Gaudet <jyounggaudet@allpointstech.com>

Sent: Tuesday, June 16, 2020 9:27 AM

To: Rob Phillips <phillipsr@southington.org>

Subject: Bloom Energy fuel cell installations - The Home Depot, 89 Interstate Park Drive, Southington

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Mr. Phillips:

I am writing on behalf of Bloom Energy in connection with a planned fuel cell installation at The Home Depot location at 89 Interstate Park Drive. Attached are preliminary plans depicting the proposed installation, which will have consist of one 150-kW energy server and associated equipment, and be fueled by natural gas. As shown, the installation will be at the rear of the store, 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



Surjup #P dqdjh#

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

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