What Powers You

April 27, 2022

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 300-Kilowatt Fuel Cell Customer-Side Distributed Resource at the Yale New Haven Health Park Avenue Medical Center, 5520 Park Avenue, 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 300-kilowatt fuel cell and associated equipment at the Yale New Haven Health Park Avenue Medical Center ("Medical Center") in Trumbull, Connecticut (the "Facility"). The Facility will be installed at 5520 Park Avenue. Electricity generated by the Facility will benefit the Medical Center's operation, 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 (917) 803-4511.

Sincerely, Bloom Energy

Kristen Grillo kristen.grillo@bloomenergy.com (917) 803-4511



Bloom Energy Corporation 4353 North First Street, San Jose, CA 95134 408 543 1500 www.bloomenergy.com

STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

PETITION OF BLOOM ENERGY CORPORATION : PETITION NO.	
FOR A DECLARATORY RULING FOR THE :	
LOCATION AND CONSTRUCTION OF A :	
300-KILOWATT FUEL CELL CUSTOMER-SIDE :	
DISTRIBUTED RESOURCE AT YALE NEW HAVEN :	
HEALTH PARK AVENUE MEDICAL CENTER, 5520 :	
PARK AVENUE, TRUMBULL, CT : APRIL 27, 2022	

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 Yale New Haven Health Park Avenue Medical Center (the "Medical Center"), at 5520 Park Avenue, Trumbull, Connecticut (the "Site"). Bloom will install a fuel cell consisting of one (1) ES-5 Bloom Energy Server solid oxide fuel cell and associated equipment (the "Facility") that will provide a total of 300 kilowatts ("kW") (net) of power to the Site. *See* Exhibits 1 and 3. The Facility will be installed, maintained and operated by Bloom under a 15-year power purchase agreement with Yale New Haven Health Services Corporation ("Yale New Haven") owned by a third-party financing source. The Facility has been selected as part of the LREC program.

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:

Kristen GrilloNedal SumreinBloom Energy CorporationBloom Energy Corporation4353 North First Street4353 North First StreetSan Jose, CA 95134San Jose, CA 95134Telephone: (917) 803-4511Telephone: (408) 543-1500Fax: (408) 543-1501Fax: (408) 543-1501Email: Kristen.Grillo@bloomenergy.comEmail: Nedal.Sumrein@bloomenergy.com

III. DISCUSSION

A. The Facility

The Facility will be a 300-kW customer-side distributed resource consisting of one (1)

Bloom solid oxide fuel cell Energy Server, model ES5-YASAAN, and associated equipment. As

shown on Exhibits 2 and 3, the fuel cell and associated equipment (utility cabinets, water

deionizers, telemetry cabinets, and disconnect switches) will be installed within an existing

parking lot in the southeastern portion of the Site.

Connections to existing utilities will extend underground westward to electrical, telco and water utilities within the Medical Center building. The Facility will be fueled by natural gas supplied by Southern Connecticut Gas. Exhibits 1 and 2 depict the Facility location; Exhibit 3 contains plans; Exhibit 4 contains photographs and equipment specifications.

Bloom has sized the system at 300 KW based on consultation with Yale New Haven representatives and analysis of the Medical Center's operational needs. The Facility will replace a portion of the average baseload of the Site with a Class I renewable energy source and improve reliability of electrical systems and equipment. The Facility has been sized to provide at least 55% of the Medical Center's average annual baseload. Exhibit 4. Electricity generated by the Facility will be consumed primarily at the Site and any excess electricity will be exported to the grid.

The operational life of the Facility is for the life of the 15-year contract with Yale New Haven. At the conclusion of the 15-year contract, Yale New Haven 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 was filed with United Illuminating in January 2022; approval is anticipated in May 2022.

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. Bloom will provide Town of Trumbull ("Town") Fire Department personnel and Medical Center operations/emergency personnel with an Emergency Response Plan and will offer to provide training. Exhibit 6.

The Facility will be installed in accordance with NFPA 853.¹ 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 and Proposed Environment

i. The Site

The Site is located in the southwestern part of the Town, south of the Merritt Parkway and east of Park Avenue, bordering the City of Bridgeport to the south and the Town of Fairfield to the west. It is an approximately 5.9-acre parcel within the B-C Commercial zoning district. The surrounding area contains a mix of residential and institutional development; Notre Dame High School and Sacred Heart University are located across Park Avenue to the west. Residential development abuts the Site to the east.

The Site is developed with the Medical Center buildings and associated surface parking lots. The fuel cell installation will be located in the southeastern portion of the Site, in the parking area near the southeastern corner of the building, in an area currently occupied by five (5) parking spaces. Bollards will be installed at the north and west perimeters of the fuel cell installation; an existing parking lot island will remain at the east and south.

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

The Facility is designed to take advantage of existing infrastructure, including utilities, with little or no impact on operational requirements and traffic and pedestrian flow within the Site. The location is removed from the public entrances to the Medical Center, and ample parking will continue to exist.³

ii. Wildlife and Habitat

Based on a review of the publicly available Connecticut Department of Energy and Environmental Protection (DEEP) Natural Diversity Database (NDDB) December 2021 data, the proposed Facility is not within an NDDB area, an identified location of endangered, threatened and special concern species or significant natural community. Exhibit 5. Therefore, no consultation with DEEP NDDB is required.

The Site and the surrounding vicinity are extensively developed. The Facility will be placed within a paved area within the larger Medical Center development. The addition of the Facility will have no effect on wildlife habitat.

iii. Wetlands and Watercourses

Wetlands are identified on DEEP state wetland mapping for the Site extending from south to north in the eastern portion of the Site, including the proposed Facility location. The mapped wetland area, however, has been displaced by the eastern paved parking lot and portions of the Medical Center building so portions of that wetland area no longer exist. Therefore, with the Facility sited in the paved parking lot, there would not be any effect on wetland or watercourse resources. As described herein, appropriate erosion and sedimentation control measures will be employed during construction to protect nearby wetlands that likely remain beyond the edge of pavement just south of the proposed Facility.

³ An associated multi-level parking garage is located on the abutting parcel to the south.

iv. Flood Zones and Aquifer Protection Area

A review of the flood hazard mapping data from the 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 5.

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 5.75 miles southeast of the Site.

v. Cultural Resources

The Site, including the Facility location, has been previously developed and disturbed. Nonetheless, because the Merritt Parkway, which is listed in the National Register of Historic Places, abuts the Site, Bloom requested that Heritage Consultants, LLC ("Heritage") provide a cultural resources evaluation for the proposed project. Heritage determined that there will be no visual impact to the Merritt Parkway due to intervening buildings and mature trees. Heritage further determined that, due to previous disturbance of the land involved in development of the Facility, the area does not possess a moderate/high archaeological sensitivity. *See* Exhibit 7. Construction and operation of the Facility is therefore not expected to have an 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.⁴ 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) program⁵, and compares them to emissions generated from the proposed Facility. By virtue of the non-combustion process the Bloom Energy fuel cells virtually

⁴ See Conn. Agencies Regs. §§ 22a-174-42(b) and (e).

⁵ Sec. 16-244t

eliminate NOx, SOx, CO, VOCs and particulate matter emissions from the energy production process. Similarly, there are no CH₄, SF₆, HFC or PFC emissions.

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 (CO2) ⁶	679-833 lbs/MWh	Not Listed

Table 1: Connecticut Thresholds for Greenhouse Gases

The proposed Facility will ultimately displace less efficient fossil fueled marginal generation on the ISO New England system. Based upon the most recent US Environmental Protection Agency (EPA) "eGrid" data (2020), the proposed Facility is expected to reduce carbon emissions by approximately 13% while essentially eliminating local air pollutants like NOx, SOx, and particulate matter.

The Town's Plan of Conservation and Development ("POCD"), adopted in 2014, discussed issues with the reliability of the electrical system and concluded that a more sustainable energy approach was desired. At that time, the Town had committed to obtaining 20% of the Town's electricity from clean, renewable sources. The POCD also discussed ways in which the Town could encourage more energy efficient buildings and specifically noted that Zoning Regulations should "not place barriers to or a burden on the installation of small-scale alternative energy structures, such as solar panels." POCD, pp. 94-95. The Town's Zoning Regulations, effective July 25, 2008 and amended through January 15, 2020, do not address energy conservation or renewable energy sources, including fuel cells, other than to describe allowed locations for rooftop solar panels.

⁶ Carbon dioxide is measured at Bloom's stated lifetime efficiency level of 53-60%.

iii. Sound Levels

The Facility will comply with State of Connecticut regulations for the Control of Noise. The Town's noise ordinance adopts the same zone noise classifications and standards as the State regulations.

Bloom retained Veneklasen Associates to evaluate the impact of noise from the proposed Facility on adjacent property lines and sensitive noise receptors, represented by residential properties along Plattsville Road. *See* Exhibit 8, Veneklasen Associates Property Line Noise Analysis ("Report"). As indicated in the Report, noise levels at Site property lines are in compliance with State and Town regulations without mitigation.

The Town noise ordinance exempts noise generated by construction equipment Monday through Saturday, 7:00 a.m. to 6:00 p.m. Bloom typically performs project construction Monday through Friday, 7:00 a.m. to 5:00 p.m.

iv. Visual Effects

The visual effect of the Facility will be minimal, and primarily within the Site. The Facility will be located in an already developed area at the rear of the Site. Occasional off-Site views of the Facility may be experienced through landscape screening from abutting residential properties along Plattsville Road. However, given the low height and small scale of the Facility in relation to the existing Medical Center building and parking garage, the incremental visual effect of the Facility is minimal. The Medical Center building and existing vegetation are expected to obscure views from the Merritt Parkway.

E. Project Construction and Maintenance

Bloom anticipates construction to start in the early third quarter of 2022 with approximately four months of total construction time (4 - 6 weeks of site prep, 4 - 6 weeks of installation, and 4 - 6 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 Server, associated equipment and components will be dismantled and removed and the site will be restored as nearly as practicable to its effective original condition.

10

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 9.

A representative of Bloom contacted Mr. Rob Librandi, the Town's Land Use Planner, by email on April 4, 2022 and provided plans for the proposed Facility for review and comment. Neither Mr. Librandi nor any other municipal official has provided comments or questions to date. *See* Exhibit 10.

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

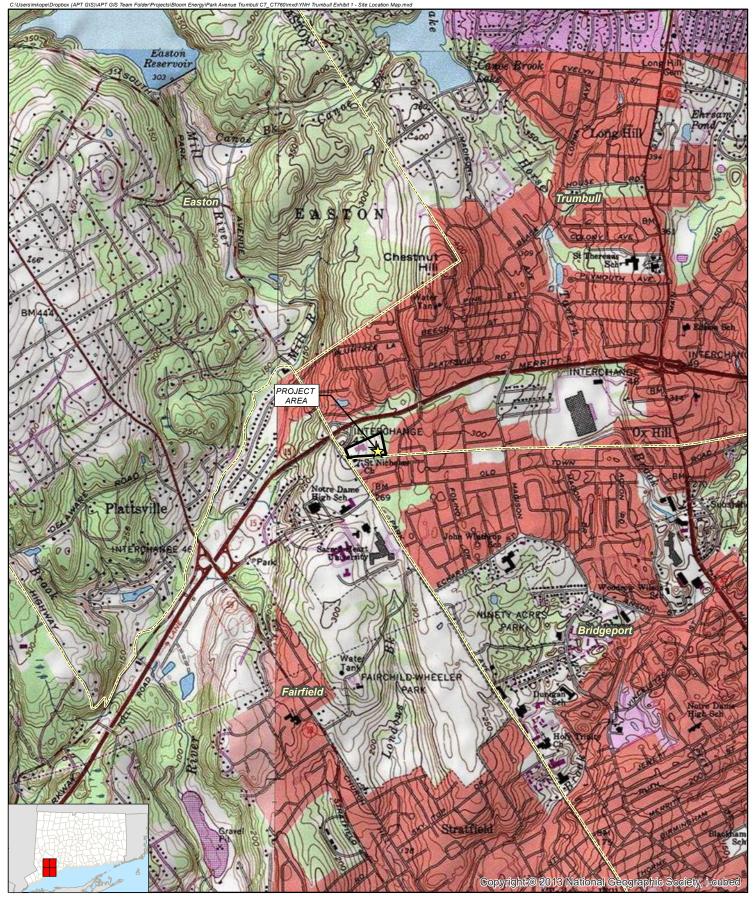
By:

Kristen Grillo Bloom Energy Corporation 4353 North First Street San Jose, CA 95134 Telephone: (917) 803-4511 Email: kristen.grillo@bloomenergy.com



Exhibit 1





Legend



Municipal Boundary (CTDEEP)

Map Notes: Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map: Botsford, CT (1984), Bridgeport, CT (1984), Long Hill, CT (1984), and Wesport, CT (1975) Map Scale: 1:24,000 Map Date: April 2022

1,000 500 0 1,000 Feet

Exhibit 1 Site Location Map

Proposed Bloom Energy Facility Yale New Haven Health 5520 Park Avenue Trumbull, Connecticut





Exhibit 2





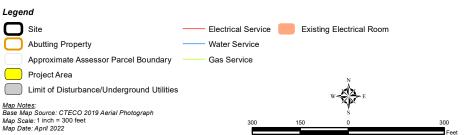


Exhibit 2 **Site Vicinity**

Feet

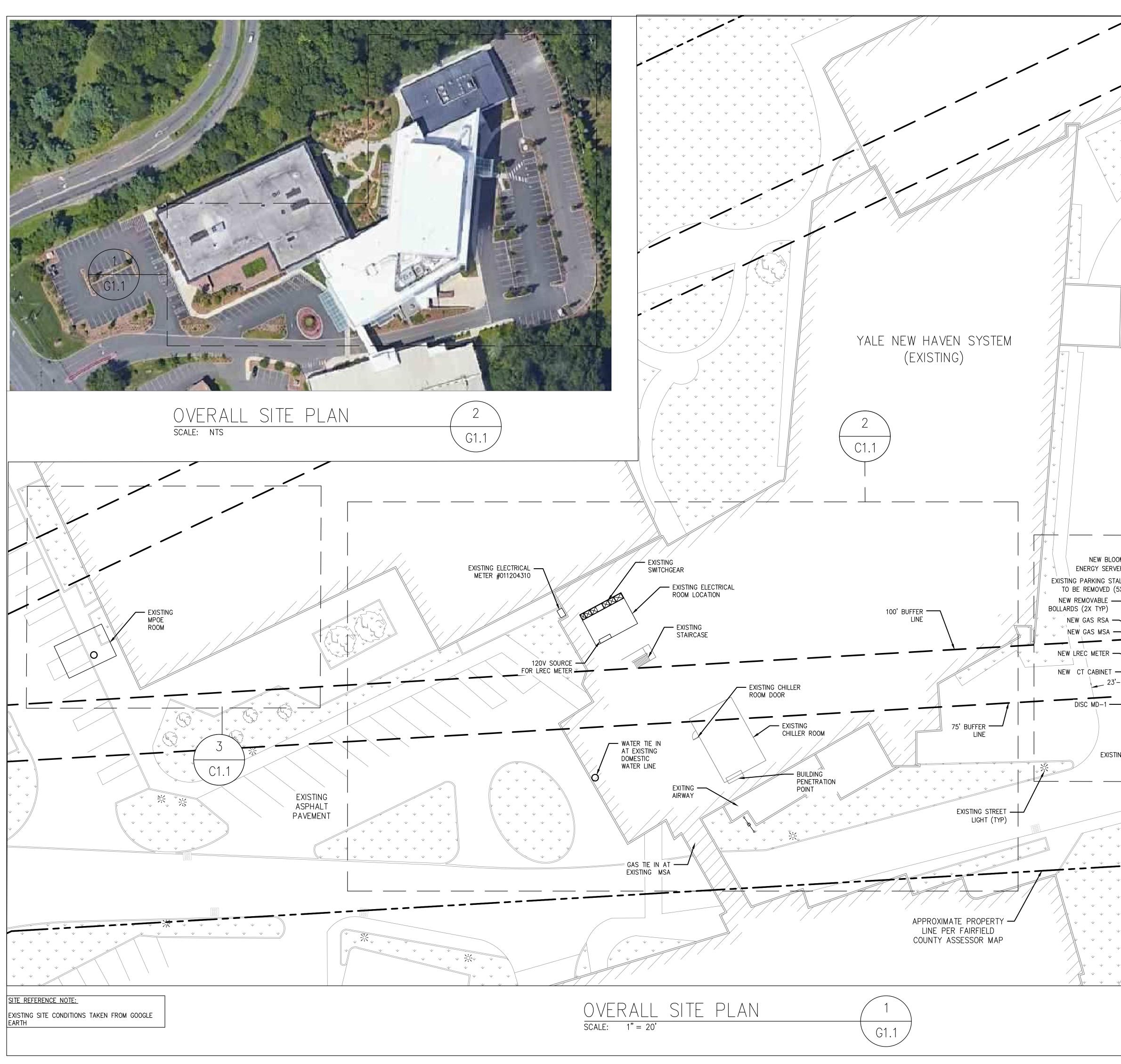
Proposed Bloom Energy Facility Yale New Haven Health 5520 Park Avenue Trumbull, Connecticut





Exhibit 3





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	Bloomenergy® 4353 N. FIRST STREET SAN JOSE, CA 95134 t: (408) 543-1500 ENGINEER OF RECORD
EXISTING ASPHALT PAVEMENT	CARSON TURNER, P.E. LICENSE # 0022700
(1)	Date: 2021.12.16 18:48:41-08'00' CUSTOMER SITE YALE NEW HAVEN HEALTH 5520 PARK AVE TRUMBULL, CT 06611
ALL 5X) NEW FIXED BOLLARDS (13X TYP)	Yale NewHaven Health
ING CURB ING CURB	REVISION HISTORY REV REVISION ISSUE DATE - INITIAL RELEASE 10/13/2021 - - - - -
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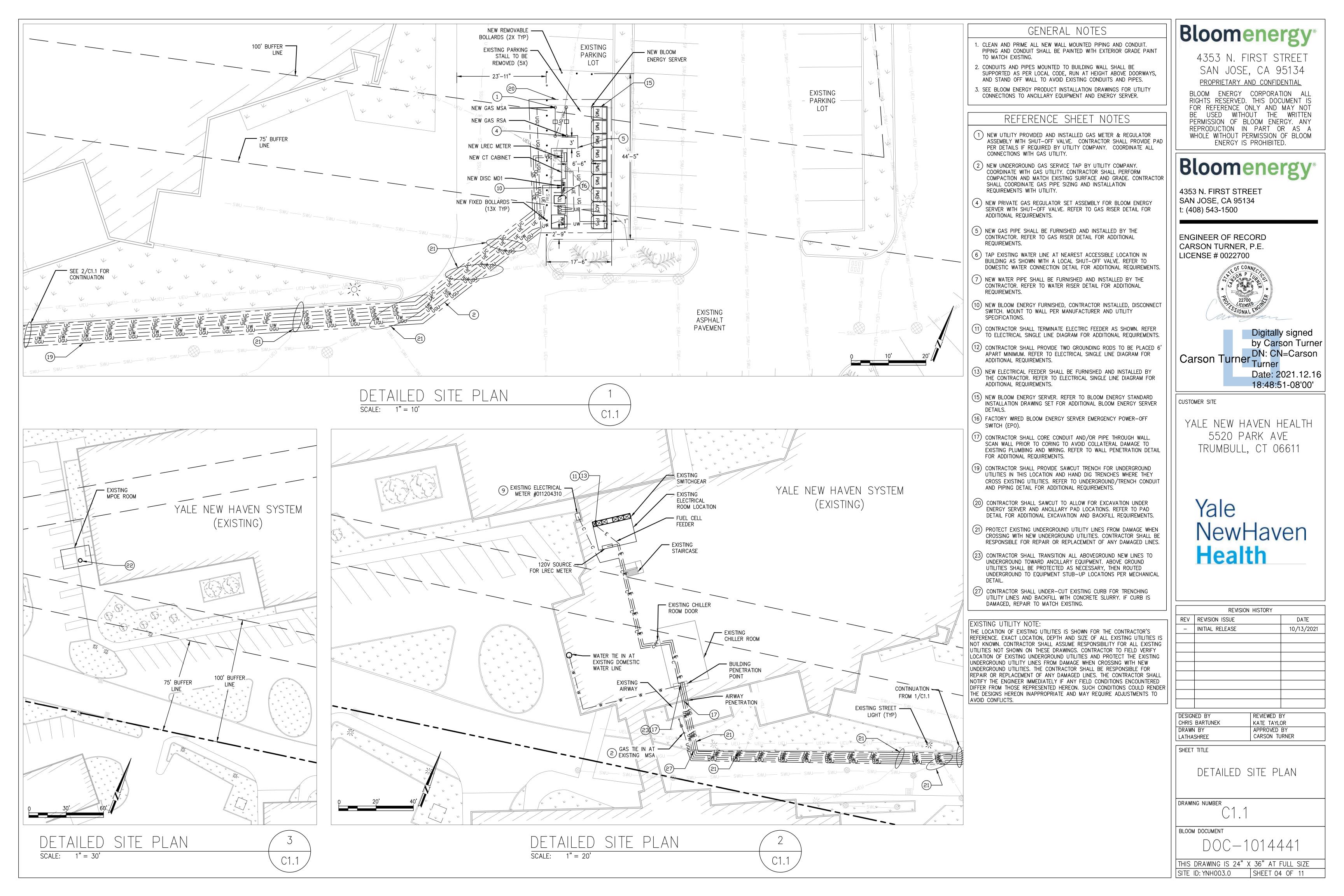
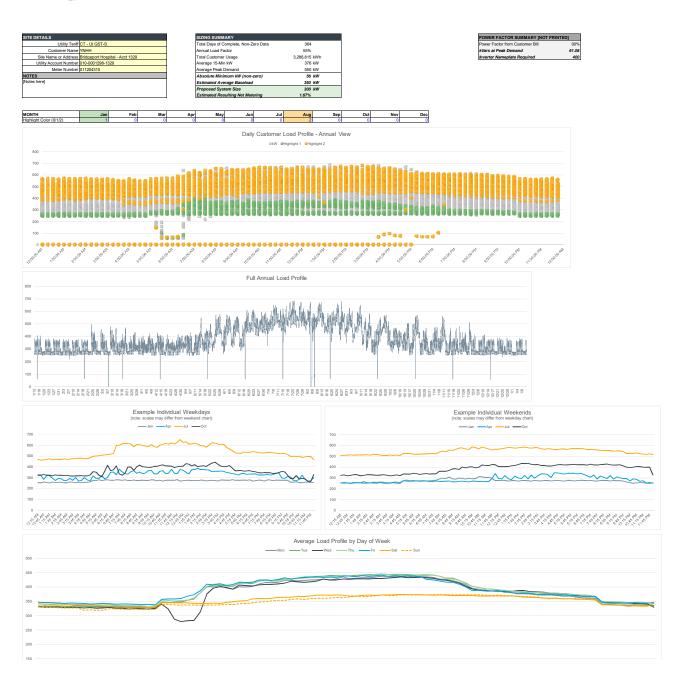




Exhibit 4



Bloomenergy



Bloomenergy®

PRODUCT DATASHEET

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.

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Energy Server 5	Technical Highlights (ES5-YASAAN)
Outputs	
Nameplate power output (net AC)	300kW
Load output (net AC)	300kW
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
Emissions ²	
NOx	0.0017 lbs/MWh
SOx	Negligible
СО	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	15.8 tons
Dimensions (variable layouts)	17'11" x 8'8" x 6'9" or 32'3" 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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Looking west toward Facility location at center of photo (to right of trees); building in background.



Looking northeast toward Facility at location of three nearest cars.



Exhibit 5









<u>Map Notes:</u> 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: April 2022

CTDEEP Wetlands FEMA 100-Year Flood Zone FEMA 500-Year Flood Zone [] Municipal Boundary

CTDEEP Coastal Boundary Approximate Assessor Parcel Boundary

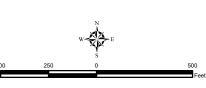


Exhibit 5 **Environmental Resources**

Proposed Bloom Energy Facility Yale New Haven Health 5520 Park Avenue Trumbull, Connecticut





Exhibit 6



Bloomenergy

Fire Prevention and Emergency Planning – Grid Parallel

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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
- Natural Disasters and Severe Weather
 7.1 Earthquake
 7.2 Flood
- 8. Utility Outage
- 9. Good Housekeeping and Maintenance9.1 Good Housekeeping9.2 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

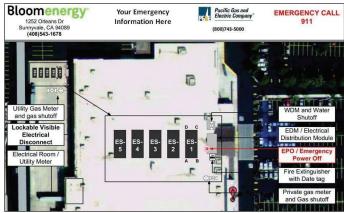


Figure 4: Sample Site Map

Manual controls:

- Clearly marked emergency stop button labeled —Fuel Cell Emergency Shut 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 <u>life-threatening</u> 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 <u>non-life-threatening</u> 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 <u>life-threatening</u> 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 <u>is not immediately life-threatening</u> 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 lifethreatening.

In the event of an <u>unknown indoor smell or odor</u>, 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:

- <u>Stay out of flooded areas</u>. Flooded areas remain unsafe. Entering a flooded area places you at risk.
- <u>Notify Bloom Energy</u>. 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 standby 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
 - $_{\circ}\;$ 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 7





April 12, 2022

Ms. Jennifer Gaudet Project Manager All-Points Technology Corporation 567 Vauxhall Street Extension – Suite 311 Waterford, Connecticut 06385

RE: Preliminary Archaeological Assessment of Proposed Wireless Telecommunications Facility Located at 5520 Park Avenue in Trumbull, Connecticut

Ms. Gaudet:

Heritage Consultants, LLC (Heritage), is pleased to have this opportunity to provide All-Points Technology Corporation (All-Points) with the following archaeological assessment of the proposed fuel cell construction project on the campus of the Yale New Haven Health Park Avenue Medical Center, which is located at 5520 Park Ave, Trumbull, Connecticut (Figure 1). The scope of the project consists of the installation of a Bloom Energy server, meters, cabinet, and protective bollards (the Facility), as well as associated underground utilities. The current project entailed completion of a cultural resources summary based on the examination of data obtained from the Connecticut State Historic Preservation Office (CT-SHPO), as well as GIS data, including historical mapping, aerial photographs, and topographic quadrangles, maintained by Heritage. This investigation is based upon project location information provided to Heritage by All-Points. The objectives of this study were to gather and present data regarding previously identified cultural resources situated within 0.8 km (0.5 mi) of the proposed project area and to investigate the proposed project parcel in terms of its natural and historical characteristics so that the need for completing additional cultural resources investigations could be evaluated.

The Facility and underground utilities will be built on a developed parcel of land located at 5520 Park Avenue in Trumbull, Connecticut; it is located in the vicinity of the Merritt Parkway. This parcel currently contains the Yale New Haven Health Park Avenue Medical Center, which extends from east to west and contains buildings, walkways, driveways, parking areas, and buried utilities. The proposed Facility will be built within a parking lot area to the rear of the medical facility and approximately 29.7 m (97.7 ft) from the nearest building (Figure 1).

A review of historical maps depicting the location of the Facility and underground utilities show what the region looked like prior to the construction of the Yale New Haven Health Park Avenue Medical Center. A few named properties, those belonging to D.S. Edwards, S. Haines, R. Seely, and Z. Hall, appear on nineteenth century maps of the project region. By the mid to late nineteenth century, the transportation network in the region was relatively well established and served the local community and industries. The subject parcel, however, remained undeveloped during the mid to late nineteenth century and appeared to be open land, as both the 1856 and 1868 maps of the region depict the project parcel as unused (Figures 2 and 3).

A review of the earliest available aerial image depicting the project area, which dates from 1934, shows a small scale change between the late nineteenth century and the early 1930s (Figure 4). The 1934 aerial image shows the areas around the proposed Facility appear to remained as undeveloped open land, as it

Jennifer Gaudet April 12, 2022 Page 2

was in the latter part of the previous century. The subsequent aerial images dating from 1951 through 2004, reveal a pattern of steady growth of residential properties in the vicinity of the Facility location; however, the subject parcel remained generally unchanged until 1990 when the first iteration of the medical facility was constructed to the northwest of the Facility and buried utility corridor (Figure 5 through 8). The parcel containing the Facility remained largely unchanged from 1990 through 2004. The 2019 aerial image shows the project location in its modern state (Figures 9). While the surrounding area experienced no changes to its residential stock, the medical facility was expanded, and a building was added directly to the west and south of the Facility.

Background research for the current project also included a review of previously identified archaeological sites and National Register of Historic Places properties/districts sites within 0.8 km (0.5 mi) of the proposed project area (Figures 10 and 11). This review identified two previously recorded cultural resource within 0.8 km (0.5 mi) of the project location. They include Site 51-14 and the Merritt Parkway; they are discussed further below.

<u>Site 51-14</u>

Site 51-14, also known as the Sacred Heart University Site, is a pre-contact period occupation located in Fairfield, Connecticut. Due to a lack of information on the form it is unknown who the recorders were and for what organization they were working. Sacred Heart University was founded in 1963 by Reverend Walter W. Curtis, who at the time was the Bishop of the Diocese of Bridgeport, Connecticut. Sacred Heart acts as the second largest Catholic University in New England and has an international campus in Dingle, Ireland. Site 51-14 has not been assessed applying the National Register of Historic Places criteria for evaluation (36 CFR 60.4 [a-d]). It will not be impacted by the proposed project.

Merritt Parkway

The Merritt Parkway is a limited-access parkway that extends through Fairfield and New Haven Counties in southern Connecticut. It is one of oldest parkways in America, and was designated as a National Scenic Byway and is also listed in the National Register of Historic Places. The parkway is well known for its scenery and for the architectural design of its many overpasses, each of which is decorated in a unique fashion, with no two bridges alike. The stretch of the Merritt Parkway that extends from Greenwich to Norwalk was completed in 1938, and the section running from Norwalk to Trumbull was opened in November 1939. The final portion of the parkway reaching to the Housatonic River in Stratford was completed in 1940. The Merritt Parkway was named for U.S. Congressman Schuyler Merritt, who was instrumental in enacting legislation that helped to fund the roadway construction project. It was originally planned so that congestion on the Boston Post Road (U.S. Route 1) in Fairfield County could be lessened. The proposed fuel cell project is situated less that 100 m (300 ft) from the east bound lane of the Merritt Parkway; however, the above-ground portion of the project will be screened from the parkway by the existing medical facility building and large trees. Thus, no visual impacts to the Merritt Parkway by the proposed project are anticipated.

Soils located within the Facility area were examined as part of this review. The project area contains Canton, Charlton, Leicester, Whitman, and Ridgebury soils. The first two soils, consist of very deep, well-drained soils which formed in loamy melt-out till (see Figure 12). These soil types are well drained, where they possess slopes lower than eight percent and have not been disturbed, they are generally well correlated with prehistoric and historical site locations. Leicester, Whitman, and Ridgebury soils are poorly drained, and generally do not correlate with prehistoric and historic period site locations.

Jennifer Gaudet April 12, 2022 Page 3

Pedestrian survey of the project area was completed by Heritage (Photos 1 through 3). The results of the pedestrian survey indicated that the locations of the proposed Facility and buried utilities have been disturbed significantly in the past by various construction projects. As a result, it appears that neither area possesses a moderate/high archaeological sensitivity, especially for prehistoric cultural deposits since the project items were positioned in the middle. It is the professional opinion of Heritage that no additional archaeological examination of the Facility location and buried utility corridor is recommended prior to construction. If you have any questions regarding this Technical Memorandum, or if we may be of additional assistance with this or any other projects you may have, please do not hesitate to call me at 860-299-6328 or email me at dgeorge@heritage-consultants.com. We are at your service.

Sincerely,

Dent R. Hurge

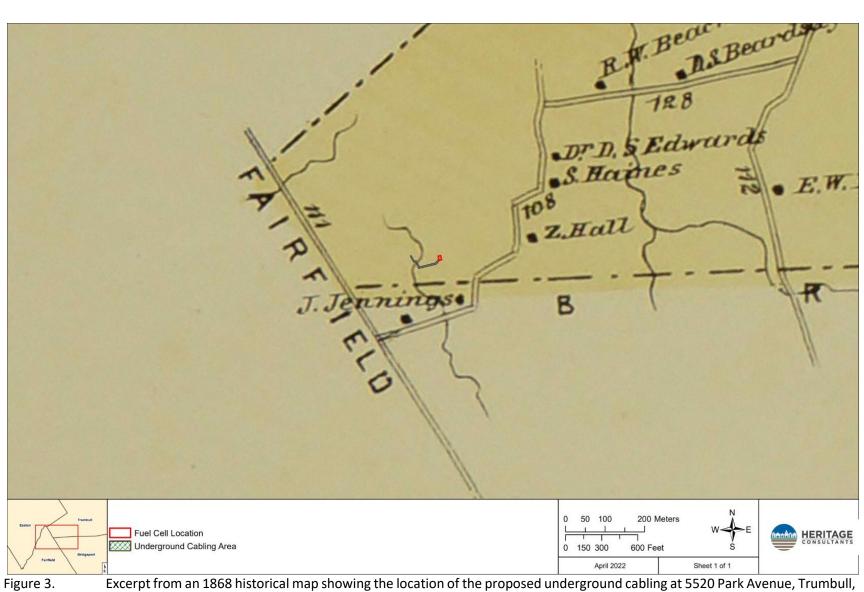
David R. George, M.A., R.P.A. Heritage Consultants, LLC



Figure 1. Excerpt from a USGS 7.5' series topographic quadrangle image showing the location of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



Figure 2. Excerpt from an 1856 historical map showing the location of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



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Excerpt from a 1934 aerial photography showing the location of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



. Excerpt of a 1951 aerial photograph showing the location of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



Trumbull, Connecticut.



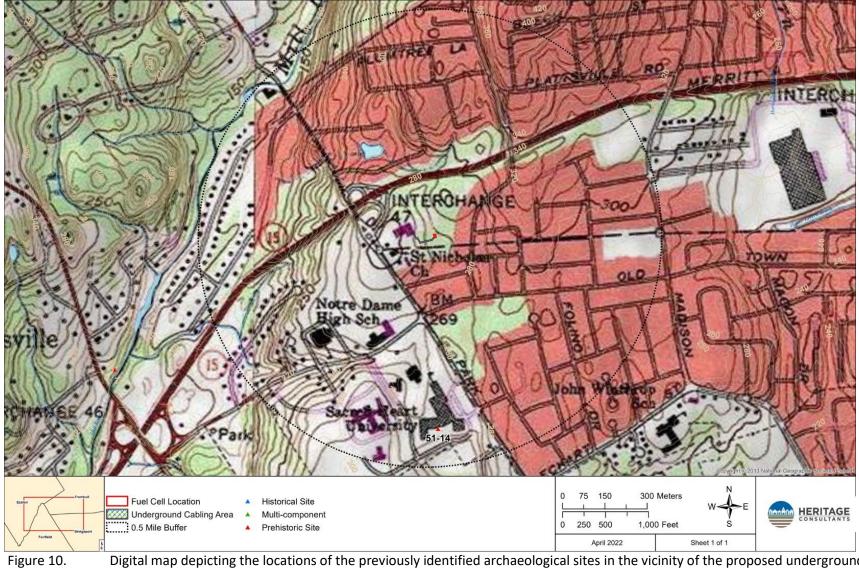
Excerpt from a 1990 aerial photograph showing the location of proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



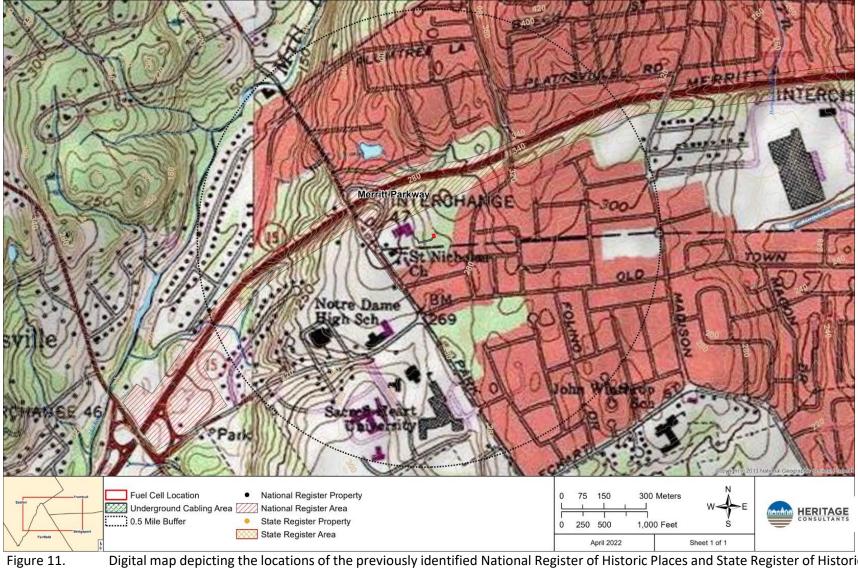
Excerpt from a 2004 aerial photograph showing the location of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



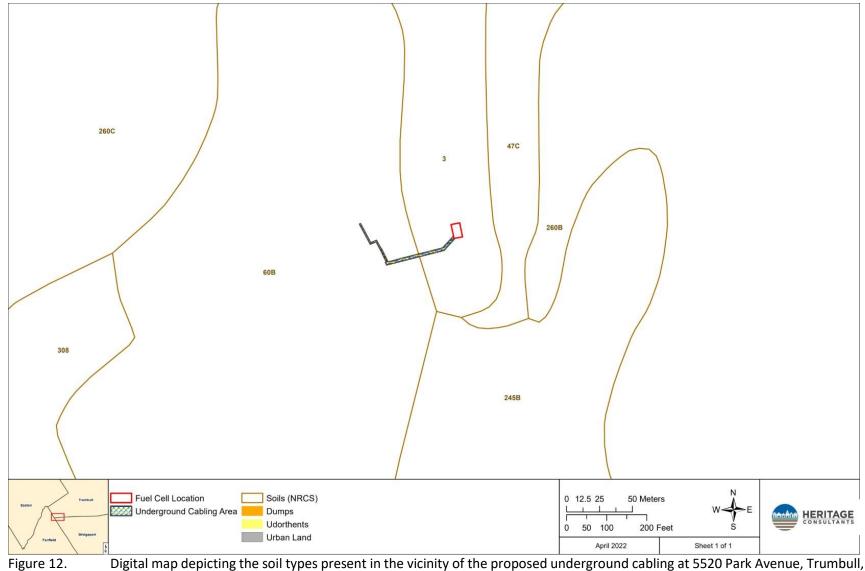
Excerpt from a 2019 aerial image showing the location of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



2 10. Digital map depicting the locations of the previously identified archaeological sites in the vicinity of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



e 11. Digital map depicting the locations of the previously identified National Register of Historic Places and State Register of Historic Places properties in the vicinity of the proposed underground cabling at 5520 Park Avenue, Trumbull, Connecticut.



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Photo 1. Overview photo of the location of proposed buried utilities facing east.



Photo 2. Overview photo of project area facing northwest.



Photo 2. Overview photo of location of the fuel cell facing west.



Exhibit 8





March 28, 2022

Bloom Energy 4353 North 1st Street San Jose, California 95134

Attention:	Brandon Leaverton Supply Chain Specialist – Construction
Subject:	YNH003.0 5520 Park Ave, Trumbull, Connecticut Property Line Noise Analysis
	Veneklasen Project No. 4631-030

Dear Brandon:

Veneklasen Associates, Inc. (Veneklasen) was contracted to evaluate the noise impact of proposed fuel cells for the subject project in Trumbull, Connecticut. This report includes predicted noise levels at adjacent property lines and an evaluation of necessary mitigation, if warranted, to comply with the local noise ordinance in the surrounding community. This report documents our acoustical comments.

Noise Criteria

Chapter 13, Article III, Section 13-50 "Noise levels" provides allowable noise limits at adjacent property types given the noise emitter zone type. Given the subject project is located on commercially zoned land, Table 1 below summarizes municipal code allowable noise limits at adjacent properties for commercial land emitter status.

Receptor's Zone	Maximum Level
Industrial	62 dBA
Commercial	55 dBA
Residential/day	55 dBA
Residential/night	45 dBA

Table 1. Commercial Emitter: City Receptor Noise Limits

Additionally, this section allows for raised property line maximum levels as related to existing ambient noise. Item c.(1) states the following:

In those individual cases where the background noise levels caused by sources not subject to these regulations exceed the standards contained herein, a source shall be considered to cause excessive noise if the noise emitted by such source exceeds the background noise levels by five (5) dBA, provided that no source subject to the provisions of this article shall emit noise in excess of eighty (80) dBA at any time, and provided that this section, does not decrease the permissible levels of other sections of this article.

There are primarily residential properties nearby. Veneklasen assumes proposed fuel cells will run 24-hours per day. Therefore, calculated fuel cell noise levels at residential property lines will be compared to existing nighttime ambient noise levels and the noise limits posted above.

Existing Ambient Noise

To determine the existing ambient noise levels at the site due to existing traffic sources, Veneklasen has utilized the Traffic Noise Model computer software program developed by the FHWA (Federal Highway Administration TNM 2.5) in order to predict vehicular noise levels at nearby sensitive receptors. Traffic counts for the nearby freeway were provided by the Connecticut Department of Transportation (CTDOT). The primary noise source is vehicular traffic on Merritt Parkway.

The FHWA software utilizes traffic count data, as well as other attributes of the roadway, to calculate average



daytime, evening time, and nighttime noise levels. Since the fuel cells will operate 24-hours per day, Veneklasen calculated nighttime noise levels at each sensitive receptor. These are summarized below in Table 2.

D	ie z. Average Nighttime	Amplent franc Noise Leve
	Receptor Location	Calculated Nighttime Average Level, dBA
	159 Plattsville Road	57
	189 Plattsville Road	58
	139 Plattsville Road	56
	115 Plattsville Road	55

Table 2. Average Nighttime Ambient Traffic Noise Levels

Note that nighttime average ambient noise levels all exceed the 45 dBA noise limit for residential properties during nighttime hours. Therefore, the revised fuel cell noise level limits are no greater than 5 decibels louder than reported nighttime traffic noise levels above. See the following section for fuel cell noise calculations.

Property Line Noise Analysis

Drawings dated March 9, 2022 indicate that proposed fuel cell will be installed in the parking lot next to the existing building's southeast corner. Proposed fuel cell is shown in green in Figure 1 below. Additionally, the nearest receptors are annotated in blue.

The current fuel cell installation method includes a foam dampening material that is installed at the doors and exhaust to the fuel cells. Measurements of these units when compared to units without foam indicate that the foam compound reduces noise levels produced by the fuel cells by approximately 5 decibels. See Appendix A below for fuel cell sound power data and foam compound reduction data used in the following analysis.

The calculated fuel cell noise levels as compared with existing nighttime ambient noise levels are presented in Table 3 below. Note that the reported distances between property lines and the fuel cells are taken from the closest fuel cell face to the associated property line.

Sensitive Receptor	Distance from Fuel Cell, ft	Nighttime Ambient Level, dBA	Calculated Fuel Cell Noise Level, dBA	Within 5dBA of Ambient?
159 Plattsville Road	175	57	37	Yes
189 Plattsville Road	215	58	37	Yes
139 Plattsville Road	165	56	37	Yes
115 Plattsville Road	185	55	35	Yes

It is worth noting that while 189 Plattsville Road is the furthest analyzed property away from the fuel cells, the expected sound level is similar to closer properties because the geometry of the existing buildings and the way the path of sound is travelling to this location. Regardless, none of the calculated receptor fuel cell noise levels exceed the expected nighttime ambient noise levels. Further, none of the calculated receptor fuel cell noise levels exceed the original municipal code limit, with no ambient noise modification, without any mitigation.





Figure 1. Property Line and Fuel Cell Locations

Summary

Veneklasen has reviewed the subject project proposed fuel cell property line noise levels as they pertain to municipal code requirements. The City of Trumbull has higher requirements than the noise level limits published above if existing ambient noise levels are shown to exceed the maximum limit. This was the case for all receptors, due to the nearby freeway, and therefore fuel cell noise levels are not permitted to exceed the calculated values by more than 5 decibels.

Regardless of this modification, calculated fuel cell noise levels at adjacent residential receptors were well below both the calculated nighttime ambient traffic noise levels as well as the City residential noise limit. The fuel cell noise levels satisfy all referenced regulatory requirements. Therefore, no mitigation is necessary to comply with the local noise ordinance.

If you have any questions, please do not hesitate to call.

Sincerely, Veneklasen Associates, Inc.

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Kevin Patterson Associate

John LoVerde, FASA Principal



Appendix A – Sound Power Levels

Sound power data was taken from the Mei Wu Acoustics (MWA) Report titled "Bloom Energy – ES5 Linear Sound Power Measurement", dated June 21, 2016. These reported levels were measured without the sound dampening foam described above.

	Та	ble 4. Fue	l Cell Meas	sured Soun	d Power Lev	vels		
Dampening	-	Mea	sured Sou	nd Power L	.evel [dB] –	1/1 Octave	Bands	
Product Installed?	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	LwA
No	77.9	80.9	84.1	82.3	80.5	76.9	69.4	84.9
Yes	77.9	80.9	81.0	77.9	73.7	67.2	64.8	79.3

In a study conducted at an existing installation of the fuel cell systems, measurements were taken of the fuel cell banks with and without the dampening product. The Noise Reduction (NR) of the dampening product was calculated by taking the difference of these measured values at octave band frequencies. Note that no significant reduction was shown at the 63 Hz and 125 Hz bands. The modified sound levels for the fuel cells that were utilized in calculations shown in this report are shown in Table 4.

		incusar ca scana i	Painpening Pean III	anon	
Condition —	М	easured Sound Pre	ssure Level [dB] @1	0ft – 1/1 Octave Bai	nd
Condition	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
No Foam	70.8	66.8	65.5	62.4	53.6
Foam	67.8	62.5	58.7	52.8	49.0
Difference (NR)	3.1	4.4	6.8	9.7	4.6

Table 5. Measured Sound Dampening Foam Mitigation



Appendix B – Calculation Methods

Sound level attenuates over distance by a factor of -6 dB per doubling of distance. For example, if a sound source was measured to be 60 dBA at a distance of 10 feet, the measured sound level at 20 feet would be 54 dBA. Sound level reduction due to distance is calculated according to the following equation:

$$L_p = L_w + 10 \log_{10} Q - 20 \log_{10} d - 0.7$$

Where:

d = The distance between the center of the fuel cell unit to the property line in feet.

 L_p = The sound pressure level at a distance *d* in decibels.

 L_w = The sound power level from the fuel cell. Sound power levels are reported above in Appendix A in decibels. Q = The directivity factor which dictates how sound radiates outward from the source. See Figure 2 below from the 2015 American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) Handbook, Chapter 48 describing Q factors and their associated sound radiation patterns.

Figure 2. ASHRAE Handbook: Q Factor Sound Radiation Patterns

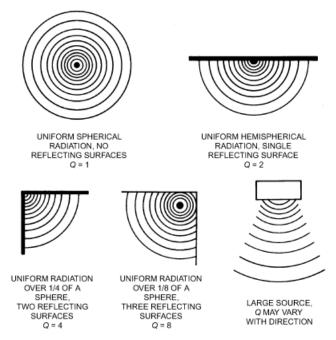


Fig. 30 Directivity Factors for Various Radiation Patterns

In the equation above, the greater the distance away from the sound source (*d*), the lower the sound level. This is intuitive and most people would consider this common knowledge.

In general, the more reflecting surfaces there are adjacent to a noise source, the more sound will bounce off these surfaces and radiate outward. In other words, larger Q factors will increase the noise level. For example, a fuel cell sitting on the ground, with nothing else around, would have a Q factor of 2 because the ground that the fuel cell is sitting on acts as a single reflecting surface. Another example would be a fuel cell sitting on the ground with a retaining wall on one side of it; this system would have a Q factor of 4 because both the ground and the retaining wall act as reflecting surfaces. A doubling of the Q factor increases the receiver noise level, L_p , by 3 dB.



Exhibit 9



What Powers You

VIA CERTIFICATE OF MAILING

April 21, 2022

RE: Application of Bloom Energy for the location and construction of a Bloom Energy Server fuel cell installation to provide 300 kilowatts of Customer-Side Distributed Resource at the Yale New Haven Health Park Avenue Medical Center, 5520 Park Avenue, 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 April 26, 2022, a petition for declaratory ruling with the Council. The petition will request the Council's approval of the location and construction of a 300-kilowatt fuel cell installation and associated equipment. The Facility will be located at the Yale New Haven Health Park Avenue Medical Center at 5520 Park Avenue in Trumbull, Connecticut (the "Site").

The purpose of the proposed Facility is to replace a portion of the Medical Center's annual load 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,

Kristen Grillo Senior Permitting Specialist Kristen.grillo@bloomenergy.com

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



Bloom Energy Corporation 4353 North First Street, San Jose, CA 95134 408 543 1500 www.bloomenergy.com

ABUTTING PROPERTY OWNERS

		subject parcel				
Property ID M/B/L	Property Address	Owner Name	Mailing Address	Town	State	Zip
C11-43	5520 Park Avenue, Trumbull	RDR 5520 LLC, c/o YNHHSC Tax Dept.	789 Howard Ave., MCS-2	New Haven	СТ	06519
C11-43-1	5520 Park Avenue #1, Trumbull	RDR 5520 LLC, c/o YNHHSC Tax Dept.	789 Howard Ave., MCS-2	New Haven	СТ	06519
C11-43-2	5520 Park Avenue #2, Trumbull	RDR 5520 LLC	5520 Park Ave.	Trumbull	СТ	06611
C11-43-3	5520 Park Avenue #3, Trumbull	RDR 5520 LLC	5520 Park Ave.	Trumbull	СТ	06611
C11-43-4	5520 Park Avenue #4, Trumbull	RDR 5520 LLC	5520 Park Ave., Suite 201	Trumbull	СТ	06611
C11-43-5	5520 Park Avenue #5, Trumbull	RDR 5520 LLC	5520 Park Ave., Suite 201	Trumbull	СТ	06611
C11-43-6	5520 Park Avenue #6, Trumbull	RDR 5520 LLC	5520 Park Ave., Suite 201	Trumbull	СТ	06611
C11-43-7	5520 Park Avenue #7, Trumbull	Beanie's Friends, LLC, c/o Philip Simkovitz	5520 Park Ave., Suite 202	Trumbull	СТ	06611
C11-43-8	5520 Park Avenue #8, Trumbull	RDR Unit 8 LLC	5520 Park Ave., Suite 201	Trumbull	СТ	06611
C11-43-9	5520 Park Avenue #9, Trumbull	RDR 5520 LLC	5520 Park Ave. #9	Trumbull	СТ	06611
C11-43-10	5520 Park Avenue #10, Trumbull	RDR 5520 LLC, c/o YNHHSC Tax Dept.	789 Howard Ave., MCS-2	New Haven	СТ	06519
D11-33	219 Plattsville Road, Trumbull	Chester J. & Brenda L. Montini	219 Plattsville Rd.	Trumbull	СТ	06611
D11-32	189 Plattsville Road, Trumbull	Judith Iacovetti Mucherino TR, Judith Iacovetti Mucherino Rev. Trust	189 Plattsville Rd.	Trumbull	СТ	06611
D11-31	159 Plattsville Road, Trumbull	Danielle A. & Jason Goncalves	159 Plattsville Rd.	Trumbull	СТ	06611
D11-30	139 Plattsville Road, Trumbull	RDR Homes LLC	5520 Park Ave., Suite 201	Trumbull	СТ	06611
C11-42	10 Wendy Road, Trumbull	Walters Memorial African Methodist Episcopal Zion Church Inc.	10 Wendy Rd.	Trumbull	СТ	06611
C11-41	26 Wendy Road, Trumbull	Tina T. Gerbino & Scott B. Vogel	26 Wendy Rd.	Trumbull	СТ	06611
C11-40	42 Wendy Road, Trumbull	Vittorio F. & Olga Palumbo	42 Wendy Rd.	Trumbull	СТ	06611
C11-39	56 Wendy Road, Trumbull	Rosalie Hauge	56 Wendy Rd.	Trumbull	СТ	06611
C11-38	70 Wendy Road, Trumbull	Debra Perrotti & Tracy Zarrillo	168 Cornfield Rd.	Milford	СТ	06461-1703
C11-37	86 Wendy Road, Trumbull	Marcello & Patrizia Santone	86 Wendy Rd.	Trumbull	СТ	06611
C11-36	100 Wendy Road, Trumbull	Carole Laskey Waz & Thomas P. Waz	100 Wendy Rd.	Trumbull	СТ	06611
C11-44	108 Wendy Road, Trumbull	Joan M. Turbidy	108 Wendy Rd.	Trumbull	CT	06611
D11-245	24 Ridgebury Drive, Trumbull	Minh V. Pham	24 Ridgebury Dr.	Trumbull	СТ	06611
87/2500/5	115 Plattsville Road, Bridgeport	Phaze 3 Capital LLC	115 Plattsville Rd.	Bridgeport	СТ	06606-1035
87/2500/1/1	5476 (aka 5458 and 5456) Park Avenue #1, Bridgeport	St. Nicholas Syrian Orthodox Church	5476 Park Ave.	Bridgeport	СТ	06604
87/2500/1/2	5500 Park Avenue #2, Bridgeport	RDR MOB Ground LLC	5520 Park Ave.	Trumbull	СТ	06611
14-1	220 Jefferson Street, Fairfield	Bridgeport Roman Catholic Diocesan Corporation	238 Jewett Ave.	Bridgeport	СТ	06606
14-2	5545 Park Avenue, Fairfield	Cathy Bobowick et al.	c/o Barbara Turner, 12 Hunter Ln.	Fairfield	СТ	06824
14-3	5633 Park Avenue, Fairfield	Glen A. & Diane E. Brown	5633 Park Ave.	Fairfield	СТ	06824
NA	Merritt Parkway	Wes Haynes, Executive Director, Merritt Parkway Conservancy	P.O. Box 17072	Stamford	СТ	06907

OFFICIALS

Name	Title	Mailing Address	Town	State	Zip
William Tong	Attorney General	165 Capitol Ave.	Hartford	СТ	06106
Katie Dykes	Commissioner, Dept. of Energy and	79 Elm St.	Hartford	СТ	06106-5127
	Environmental Protection				
Marissa Paslick Gillett	Chairman, Public Utilities Regulatory	10 Franklin Square	New Britain	СТ	06051
	Authority				
Dr. Jewel Mullen	Commissioner, Dept. of Public Health	410 Capitol Ave.	Hartford	СТ	06134
Susan D. Merrow	Chair, Council on Environmental Quality	79 Elm St.	Hartford	СТ	06106
Bryan P. Hurlburt	Commissioner, Dept. of Agriculture	450 Columbus Blvd., Suite 701	Hartford	СТ	06103
Jeffrey R. Beckham	Acting Secretary, Office of Policy and	450 Capitol Ave.	Hartford	СТ	06106
	Management				
Joseph Giulietti	Commissioner, Dept. of Transportation	2800 Berlin Turnpike	Newington	СТ	06111
David Lehman	Commissioner, Dept. of Economic and	450 Columbus Blvd.	Hartford	СТ	06103
	Community Development				
Brenda Bergeron	Deputy Commissioner, Dept. of Emergency	1111 Country Club Rd.	Middletown	СТ	06457
	Management and Homeland Security				
Michelle H. Seagull	Commissioner, Dept. of Consumer	450 Columbus Blvd., Suite 901	Hartford	СТ	06103
	Protection				
Josh Geballe	Commissioner, Dept. of Administrative	450 Columbus Blvd.	Hartford	СТ	06103
	Services				
Danté Bartolomeo	Interim Commissioner, Dept. of Labor	200 Folly Brook Blvd.	Wethersfield	СТ	06109
Richard Blumenthal	Senator	706 Hart Senate Office Building	Washington	DC	20510
Chris Murphy	Senator	136 Hart Senate Office Building	Washington	DC	20510
Jim Himes	U.S. Representative	2137 Rayburn House Office Building	Washington	DC	20515
Marilyn V. Moore	State Senator, 22nd District	Legislative Office Building, Room 2000	Hartford	СТ	06106-1591
Laura M. Devlin	Representative, 134th District	Legislative Office Building, Room 4200	Hartford	СТ	06106
		300 Capitol Ave.			
	Connecticut Metropolitan Council of				
	Governments	1000 Lafayette Blvd.	Bridgeport	СТ	06604
Vicki A. Tesoro	First Selectman, Town of Trumbull	5866 Main St., 2nd Floor	Trumbull	СТ	06611
Rob Librandi	Land Use Planner, Town of Trumbull	5866 Main St., Second Floor	Trumbull	СТ	06611
Fred Garrity, Jr.	Chairman, Planning & Zoning Commission	5866 Main St., Second Floor	Trumbull	СТ	06611
Steven Elbaum	Chairman, Zoning Board of Appeals	5866 Main St., Second Floor	Trumbull	СТ	06611
Mary Ellen Lemay	Chairman, Conservation Commission	5866 Main St.	Trumbull	СТ	06611

	Inland Wetlands & Watercourses	366 Church Hill Rd.	Trumbull	СТ	06611
	Department	Public Works Admin Building			
Richard H. Girouard	Chairman, Inland Wetlands & Watercourses	366 Church Hill Rd.	Trumbull	СТ	06611
	Commission	Public Works Admin Building			
Joseph P. Ganim	Mayor, City of Bridgeport	Margaret E. Morton Government Center	Bridgeport	СТ	06604
		999 Broad St.			
Lynn Haig, AICP	Director of Planning	999 Broad St.	Bridgeport	СТ	06604
	Office of Planning and Economic				
	Development				
Dennis Buckley	Zoning Administrator	City Hall	Bridgeport	СТ	06604
		45 Lyon Terrace, Room 210			
Melville T. Riley, Jr.	Acting Chairman, Planning and Zoning	City Hall	Bridgeport	СТ	06604
	Commission	45 Lyon Terrace, Room 210			
Melville T. Riley, Jr.	Acting Chair, Inland Wetlands &	City Hall	Bridgeport	СТ	06604
	Watercourses Agency	45 Lyon Terrace, Room 210			
	Zoning Board of Appeals	City Hall	Bridgeport	СТ	06604
		45 Lyon Terrace, Room 210			
Brenda L. Kupchick	First Selectwoman, Town of Fairfield	Sullivan Independence Hall	Fairfield	СТ	06824
		725 Old Post Rd.			
Jim Wendt	Planning Director, Town of Fairfield	Sullivan Independence Hall	Fairfield	СТ	06824
		725 Old Post Rd.			
Timothy J. Bishop	Director, Conservation Department	Sullivan Independence Hall - 2nd Floor	Fairfield	СТ	06824
		725 Old Post Rd.			
Luke Thomas	Chair, Conservation Commission	c/o Conservation Department	Fairfield	СТ	06824
		725 Old Post Rd.			
	Inlands Wetlands Agency/Conservation	c/o Conservation Department	Fairfield	СТ	06824
	Commission	725 Old Post Rd.			
Thomas B. Noonan	Chair, Town Plan and Zoning Commission	c/o Town Plan and Zoning Department	Fairfield	СТ	06824
		725 Old Post Rd.			
Kevin S. Coyne	Chair, Zoning Board of Appeals	c/o Town Plan and Zoning Department	Fairfield	СТ	06824
		725 Old Post Rd.			
David Bindelglass	First Selectman, Town of Easton	225 Center Rd.	Easton	СТ	06612
Justin Giorlando	Land Use Consultant	225 Center Rd.	Easton	СТ	06612
Mark DeLieto	Wetlands Enforcement Officer & ZEO	225 Center Rd.	Easton	СТ	06612
	Planning and Zoning Commission	225 Center Rd.	Easton	СТ	06612
	Zoning Board of Appeals	225 Center Rd.	Easton	СТ	06612

Conservation Commission/Inland Wetlands	225 Center Rd.	Easton	СТ	06612
Agency				

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Name and Address of Sender	TOTAL NO. TOTAL NO. TOTAL NO. Of Pieces Received at Post Office TM	14 0			
Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	Postmaster, per (name of receiving employee)	00000		C.S. FOUNDE FAIL WESTERLY, RI APR 21 22 AMOUNT \$23.03 R2305E124008-05	
USPS® Tracking Number	Address (Name Street City State and ZIP Code TM)	Postage	Fee	Special Handling	Parcel Airlift
Firm-specific Identifier 1.	Hon. William Tong Attorney General 165 Capitol Ave. Hartford, CT 06106				
2.	Katie Dykes, Commissioner Department of Energy and Environmental Protection 79 Etm St. Hartford, CT 06106-5127				
3.	Marissa Gillett, Chairman Public Utilities Regulatory Authority - 10 Franklin Square New Britain, CT 06051				
4.	Dr. Jewel Mullen, Commissioner Department of Public Health - 410 Capitel Ave. Hartford, CT 06134				
5.	Susan D. Merrow, Chair Council on Environmental Quality - 79 Elm St. Hartford, CT 06106				
.o	Bryan P. Hurlburt, Commissioner Department of Agricutture 450 Columbus Blvd., Suite 701 Hartford, CT 06103				
DE E 2666 Innum 2017 (Dane / of / 20 DEN 7530-17-000-5549				See R	See Reverse for Instructions

PS Form 3665, January 2017 (Page \perp of $\underline{/3}$) PSN 7530-17-000-5549

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-	Jeffrey R. Beckham, Acting Secretary Office of Policy and Management 450 Capitol Ave Hartford, CT 06106	ng Secretary Igement				
2	Jeseph Gulietti, Commissioner Department of Transportation 2800 Berlin Tpke PO Box 317546 Newington, CT 06131-7546	mmissioner sportation 31-7546				
ň	David Lehman, Commissioner Department of Economic and Community Development 450 Columbus Blvd., Suite 5 Hartford, CT 06103	ioner and te 5				
4.	Brenda Bergeron, E Division of Emerger 1111 Country Club Middletown, CT	Brenda Bergeron, Dep. Commissioner. Division of Emergency Management and Homeland Security 1111 Country Club Rd. Middletewn, CT	ecurity			
Q.	Michelle H. Seagull, Commissioner Department of Consumer Protection 450 Columbus Blvd., Suite 901 Hartford, CT 06103	, Commissioner sumer Protection L, Suite 901				
Ū	Josh Geballe, Commissioner Department of Administrative Services 450 Columbus Blvd. Hartford, CT 06103	oner ative Services				
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	Dante Bartolomeo, Interim Commissioner Department of Labor 200 Folly Brook Blvd. Wethersfield, CT 06109	m Commissioner				
2.	Hon. Richard Blumenthal Senator 706 Hart Senate Office Building Washington. DC 20510	aal Building				
ю.	Hon. Chris Murphy Senator 136 Hart Senate Office Building Washington, DC 20510	hy Office Building 20510				
4.	Hon. Jim Himes U.S. Representative 2137 Rayburn House Office Building Vvashington, DC 20515	office Building				
5.	Hon, Marilyn V. Moore Senator, 22nd District Legislative Office Buildin Hanford, CT 06106-1591	Hon. Marilyn V. Moore Senator. 22nd District Legislative Office Building, Room 2000 Hantford, CT 06106-1591				
.9	. Dev e, 13 fice E ve.	District ding, Room 4200				
PS Form 3665 , January 2017 (Page <u></u> , of <u>7</u>) PSN 7530-17-000-5549	190	156-1581			See Ro Instru	See Reverse for Insitructions

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Firm-specific identifier 1.		esoro wn of Trumbull Eloar				
5	Rob Librandi Land Use Planner, Town of 7 5866 Main St., Second Floor Trumbull, CT 06611	Town of Trumbull ond Floor 1				
.6	Fred Garrity, Jr., Chairman Planning & Zoning Commission Town of Trumbull 5866 Main St., Second Floor Trumbull, CT 06611	man mmission 4 Floor				
4.	Steven Elbaum, Chairman Zoning Board of Appeals Town of Trumbull 5866 Main St. Second Eloor Trumbull CT 06611	man als 1 Floor				
2.	Mary Ellen Lemay, Chairman Conservation Commission Town of Trumbull 5866 Main St Trumbull CT 06311	airman sion				
Ö	Trumbull, CT 06611 Trumbull Trumbull, Matercours 366 Church Hill Rd. Public Works Admin. Building Trumbull, CT 06611	Natercourses Department n. Building				
PS Form 3665 , January 2017 (Page 👉 of 12) PSN 7530-17-000-5549	530-17-000-5549				See R	See Reverse for Instructions

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Name and Address of Sender Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	ToTAL NO. of Pieces Listed by Sender Postmaster, per (name of receiving employee)	Affix Stamp Here Postmark with Date of Receipt.	of Receipt.		
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	Richard H. Girouard, Chairman Inland Wetlands & Watercourses Commission				
	Town of Trumbull	1			
	366 Church Hill Rd., Public Works Admin. Bldg.				
	I rumbull. CT U0011				
	Honorable brenda L. Nupuliuk Eiset Salactwoman Town of Fairfield				
. .					
	725 Old Post Rd.				
	Fairfield, CT 06824				
	Jim Wendt, Planning Director				
3.	Town of Fairfield				
	725 Old Post Rd. Eairfield CT 06824				
	Timothy J. Bishop, Director				
4.	Conservation Dept., Town of Fairfield				
	Sullivan Independence Hall, 2nd Floor				
	725 Old Post Rd.				
5.	Luke I homas. Unair, Conservation Commun.				
	Sullivan Independence Hall, 2nd Floor				
	725 Old Post Rd.				
	Fairfield, CT 06824				
C	Thomas B. Noorian, Crian				
Ö	I own Plan and Zoning Cutilitiesion				
	C/0 10WII FIAII & 2011III S Department Sullivan Independence Hall, 725 Old Post Rd.				
	Fairfield. CT 06824	_		1000	Soo Doverse for Instructions

PS Form **3665**, January 2017 (Page 5 of 12) PSN 7530-17-000-5549

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	Connection + Metronoolite	Competitional Metropolitical Council of Governments				
	Connecticut metroponita 1000 Lafavette Blvd.					
	- Bridgeport, CT 06604					
	Hon. Joseph P. Ganim	Ε				
2.	Mayor, City of Bridgeport	port				
	- Margaret E. Morton Government Center	sovernment Center				
	999 Broad St. Dridremort CT 06604					
	I vnn Haid AICP					
3.	Director of Planning					
	- Office of Planning am	Office of Planning and Economic Development				
	999 Broad St. Bridrenort CT 06604					
	Donaio Bioklav					
4.	Zoning Administrator	1				
	City Hall					
	45 Lyon Terrace, Room 210	pom 210				
	Bridgeport, CT 00004 Molvillo T Dilev Acting Chairman	Acting Chairman				
5.	Planning and Zor	Zoning Commission			2	
	City Hall					
	45 Lyon Terrace, Room 210	Room 210				
	Mahville T Rilev Acting	00004 Acting Chair				
Ū		& Watercourses Agency				
	City Hall	oom 210				
	Prideeport. GT 06604	04				
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PS Form **3665**, January 2017 (Page <u>6</u> of <u>1</u>) PSN 7530-17-000-5549

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Name and Address of Sender Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	ToTAL NO. of Pieces Listed by Sender af Piece Postmaster, per (name of receiving employee)	of Pieces Received at Post Office TM	Ашх Stamp Here Postmark with Date of Receipt.	of Receipt.		
USPS® Tracking Number	(Name. Street. Ci	Address City, State, and ZIP Code TM)	Postage	Fee	Special Handling	Parcel Airlift
1.		Easton				
2.	Justin Giorlando Land Use Consultant, To 225 Center St. Easton, CT 06512	Town of Easton				
3.	Mark DeLieto Wetlands Enforcement Office and ZEO 225 Center St. Easton, CT 06612	office and ZEO				
4.	Planning and Zoning Co 225 Center St. Easton, CT 06612	Commission				
5.	Conservation Commiss Agency 225 Center St. Easton, CT 06612	ssion/Inland Wetlands				
ő	Zoning Board of Appeals 225 Center St. Easton, CT 06612	Ø				
PS Form 3665 , January 2017 (Page <u>7</u> of <u>1</u> み) PSN 7530-17-000-5549	l 30-17-000-5549				See R	See Reverse for Instructions

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USPS® Tracking Number Firm-snecific Identifier	reet,	Address City, State, and ZIP Code TM)	Postage	Fee	Special Handling	Parcel Airlift
2.	RDR 5520 LLC 5520 Park Ave., Suite 20 Trumbull, CT 06611	201				
3.	RDR 5520 LLC c/o YNHHSC Tax Dept. 789 Howard Ave., MCS-2 New Haven, CT 06519					
4.	RDR 5520 LLC 5520 Park Ave. Trumbull, CT 06611					
5.	Zoning Board of Appeals City Hall 45 Lyon Terrace, Room 210 Bridgeport, CT 06604	s 1210				
.9						
PS Form 3665, January 2017 (Page 8 of 12) PSN 7530-17-000-5549	530-17-000-5549				See R	See Reverse for Instructions

PS Form **3665**, January 2017 (Page <u></u> of <u>1</u>) PSN 7530-17-000-5549

Certificate of Maili		Special Handling				
Certifi	of Receipt.	Fee				
	Affix Stamp Here Postmark with Date of Receipt.	Postage				
	of Pieces Listed by Sender of Pieces Leted by Sender Pieces Received at Post Office TM of Pieces Received at Post Office TM	Address (Name, Street, City, State, and ZIP Code TM)	Wes Haynes, Executive Director Merritt Parkway Conservancy P.O. Box 17072 Stamford, CT 06907	Glen A. & Diane E. Brown 5633 Park Ave. Fairfield, CT 06824	Cathy Bobowick et al. c/o Barbara Turner 12 Hunter Ln. Fairfield, CT 06824	Bridgeport Roman Catholic Diocesan Corporation 238 Jewett Ave. Bridgeport, CT 06606
UNITED STATES	Name and Address of Sender Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	USPS® Tracking Number Firm-specific Identifier	1.	2.	З.	4.

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of Pieces Received at Post Office TM Affix Stamp Here Postmark with Date of Receipt.	Address Address Parcel Airlift (Name, Street, City, State. and ZIP Code TM) Postage Fee Special Handling Parcel Airlift				Diocesan		ox Church
P.C.	(Name, Street,	Wes Haynes, Executive Director Merritt Parkway Conservancy P.O. Box 17072 Stamford, CT 06907	Glen A. & Diane E. Brown 5633 Park Ave. Fairfield, CT 06824	Cathy Bobowick et al. c/o Barbara Turner 12 Hunter Ln. Fairfield, CT 06824	Bridgeport Roman Catholic Diocesan Corporation 238 Jewett Ave. Bridgeport, CT 06606	RDR MOB Ground LLC 5520 Park Ave. Trumbull, CT 06611	St. Nicholas Syrian Orthodox Church 5476 Park Ave. Bridgeport, CT 06604
Name and Address of Sender Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	USPS® Tracking Number Einnenerific Identifier	1.	2	3.	4.	5.	ю

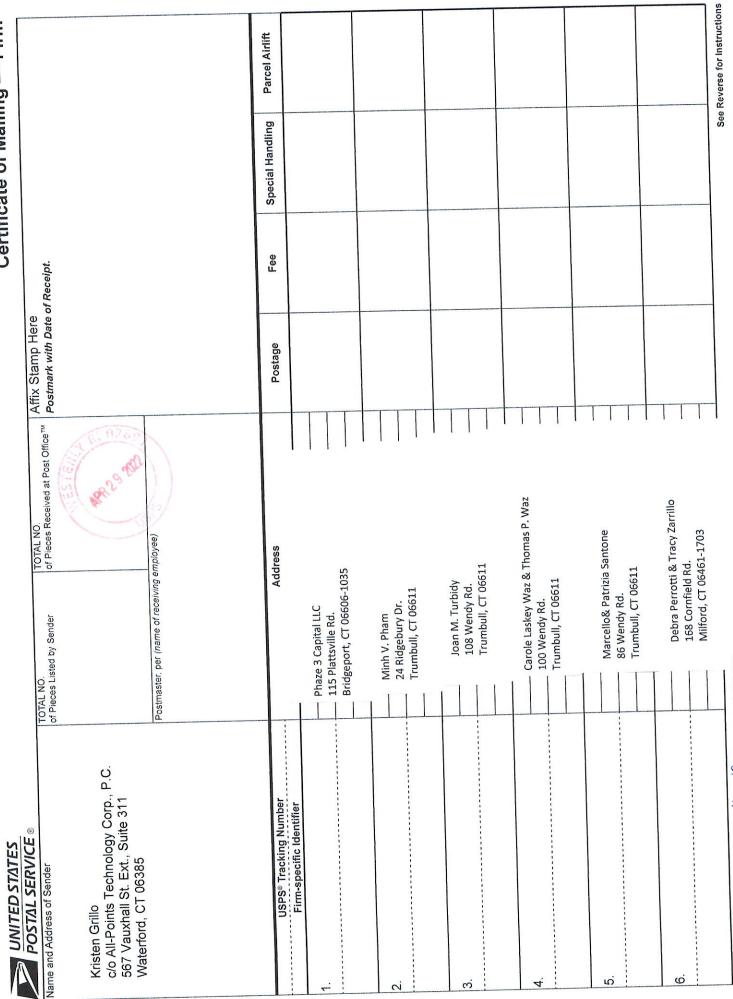
PS Form **3665**, January 2017 (Page $\frac{9}{12}$ of $\frac{12}{12}$) PSN 7530-17-000

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Name and Address of Sender Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385	TOTAL NO. of Pieces Listed by Sender of Piece Postmaster, per (name of receiving employee)	of Pieces Received at Post Office TM	Affix Stamp Here Postmark with Date of Receipt.	of Receipt.		
USPS® Tracking Number	- Address (Name, Street, City, State, a	Address City, State, and ZIP Code TM)	Postage	Fee	Special Handling	Parcel Airlift
-1	Kevin S. Coyne, Chair Zoning Board of APpeals c/o Town Plan & Zoning Department Sullivan Independence Hall, 725 Old Post Rd Fairfield, CT 06824	tment 5 Old Post Rd.				
2.	ept.,	y/Conservation Commission , Town of Fairfield Hall, 2nd Floor				
3.	Fairfield, CI U6824 Judith lacovetti Mucherino, TR. Judith lacovetti Mucherino Rev. Trust 189 Plattsville Rd. Trumbull, CT 06614	R. ev. Trust				
4.	Chester J. & Brenda L. Montini 219 Plattsville Rd. Trumbull, CT 06611	tini				
5.	Beanie's Friends, LLC c/o Philip Simkovitz 5520 Park Ave., Suite 202 Trumbull, CT 06611					
Ű	RDR Unit 8 LLC 5520 Park Ave Suite 201 Trumbull, CT 06611					
PS Form 3665 , January 2017 (Page 10 of 12) PSN 7530-17-000-5549	530-17-000-5549				See Re	See Reverse for Instructions

PS Form **3665**, January 2017 (Page 10 of 12) PSN 7530-17-000-5549



PS Form **3665**, January 2017 (Page 1/2 of 1/2) PSN 7530-17-000-5549

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	Rosalie Hauge 56 Wendy Rd. Trumbull, CT 06611					
2.	Vittorio F. & Olga Palumbo 42 Wendy Rd. Trumbull, CT 06611	8				
3.	Tina T. Gerbino & Scott B. Vogel 26 Wendy Rd. Trumbull, CT 06611	ott B. Vogel				
4.	Walters Memorial African Methodist Episcopal Zion Church Inc. 10 Wendy Rd. Trumbull, CT 06611	n Methodist Episcopal				
5.	RDR Homes LLC 5520 Park Ave., Suite 201 Trumbull, CT 06611	01				
.9	Danielle A. & Jason 159 Plattsville Rd. Trumbull, CT 06611	& Jason Goncalves ille Rd. CT 06611				
PS Form 3665 . January 2017 (Page 12 of 72) PSN 7530-17-000-5549	30-17-000-5549	1			See Re	See Reverse for Instructions

PS Form **3665**, January 2017 (Page $2 06 \sqrt{2}$) PSN 7530-17-000-5549



Exhibit 10



Jennifer Young Gaudet

From:	Jennifer Young Gaudet
Sent:	Monday, April 4, 2022 3:40 PM
То:	'rlibrandi@trumbull-ct.gov'
Subject:	Bloom Energy - Yale New Haven Health, 5520 Park Avenue, Trumbull
Attachments:	Yale New Haven - 5520 Park Avenue, Trumbull.pdf
Expires:	Saturday, October 1, 2022 12:00 AM

Dear Mr. Librandi:

I am writing on behalf of Bloom Energy in connection with a planned fuel cell installation at the Yale New Haven Health Park Avenue Medical Center at 5520 Park Avenue. Attached are plans depicting the proposed installation, which will consist of one 300-kW energy server and associated equipment, and be fueled by natural gas. As shown, the installation will be at the southeast corner of the building in a rear parking lot.

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 or officials 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



Jennifer Young Gaudet

Program Manager

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- M: 860.798.7454E: jyounggaudet@allpointstech.com

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Please note our new corporate office address