



February 4, 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 2,000-Kilowatt Fuel Cell Customer-Side Distributed Resource at Stamford Hospital, Stamford, 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 2,000-kilowatt fuel cell and associated equipment at the Stamford Hospital (“Hospital”) in Stamford, Connecticut (the “Facility”). The Facility will be installed on Hospital property at One Hospital Plaza and 29 Hospital Plaza (the “Site”). Electricity generated by the Facility will benefit the Hospital’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

A handwritten signature in blue ink, appearing to read "Kristen Grillo".

Kristen Grillo  
[kristen.grillo@bloomenergy.com](mailto:kristen.grillo@bloomenergy.com)  
(917) 803-4511

**STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL**

PETITION OF BLOOM ENERGY CORPORATION : PETITION NO. \_\_\_\_  
FOR A DECLARATORY RULING FOR THE :  
LOCATION AND CONSTRUCTION OF A :  
2,000-KILOWATT FUEL CELL CUSTOMER-SIDE :  
DISTRIBUTED RESOURCE AT STAMFORD :  
HOSPITAL, 1 HOSPITAL PLAZA, STAMFORD, CT : FEBRUARY 4, 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 the Stamford Hospital (the “Hospital”) complex at 1 Hospital Plaza, Stamford, Connecticut (the “Site”). Bloom will install a fuel cell consisting of seven (7) ES-5 Bloom Energy Server solid oxide fuel cells and associated equipment (the “Facility”) that will provide a total of 2,000 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 Stamford Hospital, Inc. 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 Grillo  
Bloom Energy Corporation  
4353 North First Street  
San Jose, CA 95134  
Telephone: (408) 543-1500  
Fax: (408) 543-1501  
Email: [Kristen.Grillo@bloomenergy.com](mailto:Kristen.Grillo@bloomenergy.com)

Nedal Sumrein  
Bloom Energy Corporation  
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San Jose, CA 95134  
Telephone: (408) 543-1500  
Fax: (408) 543-1501  
Email: [Nedal.Sumrein@bloomenergy.com](mailto:Nedal.Sumrein@bloomenergy.com)

## III. DISCUSSION

### A. The Facility

The Facility will be a 2,000-kW customer-side distributed resource consisting of seven (7) Bloom solid oxide fuel cell Energy Servers, five (5) model ES6-YASAAN and two (2) ES5-EAXAAN, and associated equipment. As shown on Exhibit 2, the fuel cell and associated equipment (utility cabinets, water deionizers, telemetry cabinets, and disconnect switches) will be installed at the Hospital complex. The energy server installation will be located in the southern portion of the property, within a landscaped area west of the access drive for the



Hospital Emergency Room. Eight small existing landscape trees will be removed and a variety of landscape shrubs will be installed on and near the northern, eastern and southern perimeter of the Facility.

Connections to existing utilities will extend underground to the Central Utility Plant, which is southeast of the proposed Facility across Hospital Plaza, and to the Specialty Building, which is north of the Facility. The Facility will be fueled by natural gas supplied by Eversource. 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 2,000 KW based on consultation with Hospital representatives and analysis of their operational needs. The Facility will replace a portion of the average baseload of the Site with a Class I renewable energy source, continue to advance the Hospital's sustainability goals, and improve reliability of electrical systems and equipment. The Facility has been sized to provide at least 56% of the Hospital'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 Stamford Hospital. At the conclusion of the 15-year contract, Stamford Hospital 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 submitted to Eversource on January 7, 2022 and review is in process. Final approvals are anticipated in July 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. City of Stamford (“City”) Fire Department personnel and Hospital operations/emergency personnel will be provided with an Emergency Response Plan. Exhibit 6.

The Facility will be installed in accordance with NFPA 853<sup>1</sup>. 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 16-50ii<sup>2</sup>.

## **C. Existing Environment**

### **i. The Site**

The 28.48-acre parcel is zoned HCDD, Hospital Complex Design District, and is the sole parcel within that zone. The parcel contains four buildings<sup>3</sup>: three medical buildings connected by covered walkways, one separate outbuilding, a utility plant, and multiple surface parking areas. The fuel cell will be installed adjacent to a parking area in a grassy area west of the access drive for the Hospital Emergency Room. The Facility is designed to take advantage of existing

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<sup>1</sup> Standard for the Installation of Stationary Fuel Cell Power Systems, 2015 Edition

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

<sup>3</sup> Two of the buildings are identified with separate addresses of 4 Hospital Plaza and 29 Hospital Plaza.

infrastructure, including utilities, with little or no impact on operational requirements and traffic and pedestrian flow within the Site.

The Site is located in the southwestern area of the City, north of I-95 and northwest of the downtown area. The surrounding area consists of single family and multi-unit residential and institutional/commercial development.

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 is extensively developed with buildings and paved surfaces. The addition of the Facility within an extensively developed and paved area will have no effect on wildlife habitat.

iii. Wetlands and Watercourses

There are no identified wetland or watercourse resources within or proximate to the proposed Site. Therefore, the Facility will not have any adverse effect on wetlands or watercourses. As described herein, appropriate erosion and sedimentation control measures will be employed during construction.

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 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 2.29 miles northeast of the Site.

i. Cultural Resources

The Site, including the Facility location, has been previously developed and disturbed. 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 672-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.<sup>4</sup> 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) program<sup>5</sup>, and compares them to emissions generated from the proposed Facility. By virtue of the non-combustion process the Bloom Energy fuel cells virtually eliminate NO<sub>x</sub>, SO<sub>x</sub>, CO, VOCs and particulate matter emissions from the energy production process. Similarly, there are no CH<sub>4</sub>, SF<sub>6</sub>, HFC or PFC emissions.

**Table 1: Connecticut Thresholds for Greenhouse Gases**

<b>Emission Type</b>	<b>Bloom Output</b>	<b>LREC allowance</b>
Nitrous Oxides (NO <sub>x</sub> )	<0.01 lbs/MWh	0.07 lbs/MWh
Carbon Monoxide (CO)	<0.05 lbs/MWh	0.10 lbs/MWh
Sulfur Oxides (SO <sub>x</sub> )	Negligible	Not Listed
Volatile Organic Compounds (VOCs)	<0.02 lbs/MWh	0.02 lbs/MWh
Carbon Dioxide (CO <sub>2</sub> ) <sup>6</sup>	679-833 lbs/MWh	Not Listed

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

<sup>5</sup> Sec. 16-244t

<sup>6</sup> Carbon dioxide is measured at Bloom’s stated lifetime efficiency level of 53-60%.



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 NO<sub>x</sub>, SO<sub>x</sub>, and particulate matter.

The City’s Master Plan identifies sustainable production and use of energy, including the creation of resource efficient energy infrastructure, as critical to the City. One of the associated implementation strategies is promoting local renewable energy generation. At the time of the Master Plan’s adoption, the City had already encouraged small-scale green energy installations by private owners. *See* Stamford Master Plan 2015 - 2025, pp. 184-185. The City’s Zoning Regulations do not address renewable energy. However, the HCD-D zoning district regulations encourage energy conservation by requiring that all buildings constructed within that zoning district meet Leadership in Energy and Environmental Design (LEED” certification standards.

### iii. Sound Levels

The Facility will comply with State of Connecticut regulations for the Control of Noise. The City’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 properties and sensitive noise receptors. *See* Exhibit 7, Veneklasen Associates Fuel Cell Acoustical Analysis (“Report”). As indicated in the Report, operation of the Facility is calculated to result in noise levels within the allowed limits at surrounding residential properties.

ix. Visual Effects

The visual effect of the Facility will be minimal. The addition of the Facility is minor relative to the existing Site development. The Facility will be visible from the immediately surrounding area; views will, however, be softened by landscaping on the perimeter within the existing grassy area. Existing buildings will obscure the view from most vantage points to the north, east and southeast. Off-Site views from the west and southwest will be partially obscured by the intervening parking areas and residential and commercial development immediately beyond the Site.

**E. Project Construction and Maintenance**

Bloom anticipates construction to start in the late second/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 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 8.

The City's Zoning Board has reviewed and approved the proposed project. As follow-up to the comprehensive Site Plan application for expansion and redevelopment of the Hospital's infrastructure and offerings, the Hospital submitted an application for minor modifications to the



previously approved Site Plan. The Zoning Board approved the application on June 21, 2021.  
*See Exhibit 9.*

**V. CONCLUSION**

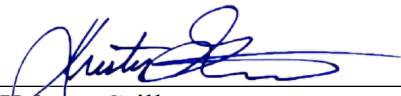
Under Conn. Gen. Stat. § 16-50k(a), the Council is required to approve by declaratory ruling the construction or location of a customer-side distributed resources project or facility with a capacity of not more than 65 MW, as long as the facility meets DEEP air and water quality standards. The proposed 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.

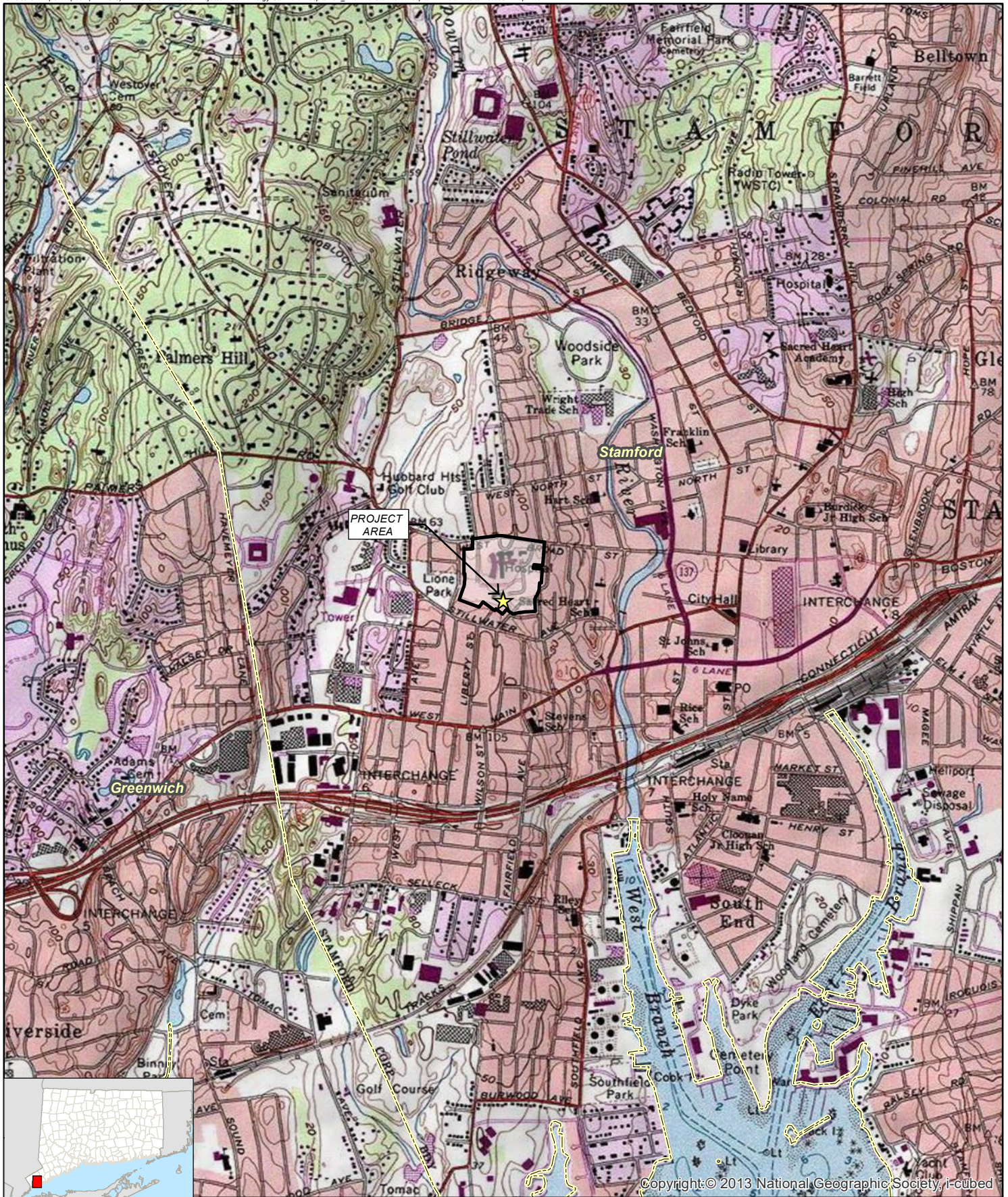
Respectfully submitted,

Bloom Energy Corporation

By:   
\_\_\_\_\_  
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Bloom Energy Corporation  
4353 North First Street  
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Telephone: (408) 543-1500  
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# Exhibit 1

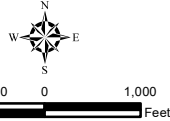


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**Legend**

-  Project Area
-  Site
-  Municipal Boundary (CTDEEP)

**Map Notes:**  
 Base Map Source: USGS 7.5 Minute  
 Topographic Quadrangle Map: Stamford, CT (1984)  
 Map Scale: 1:24,000  
 Map Date: December 2021

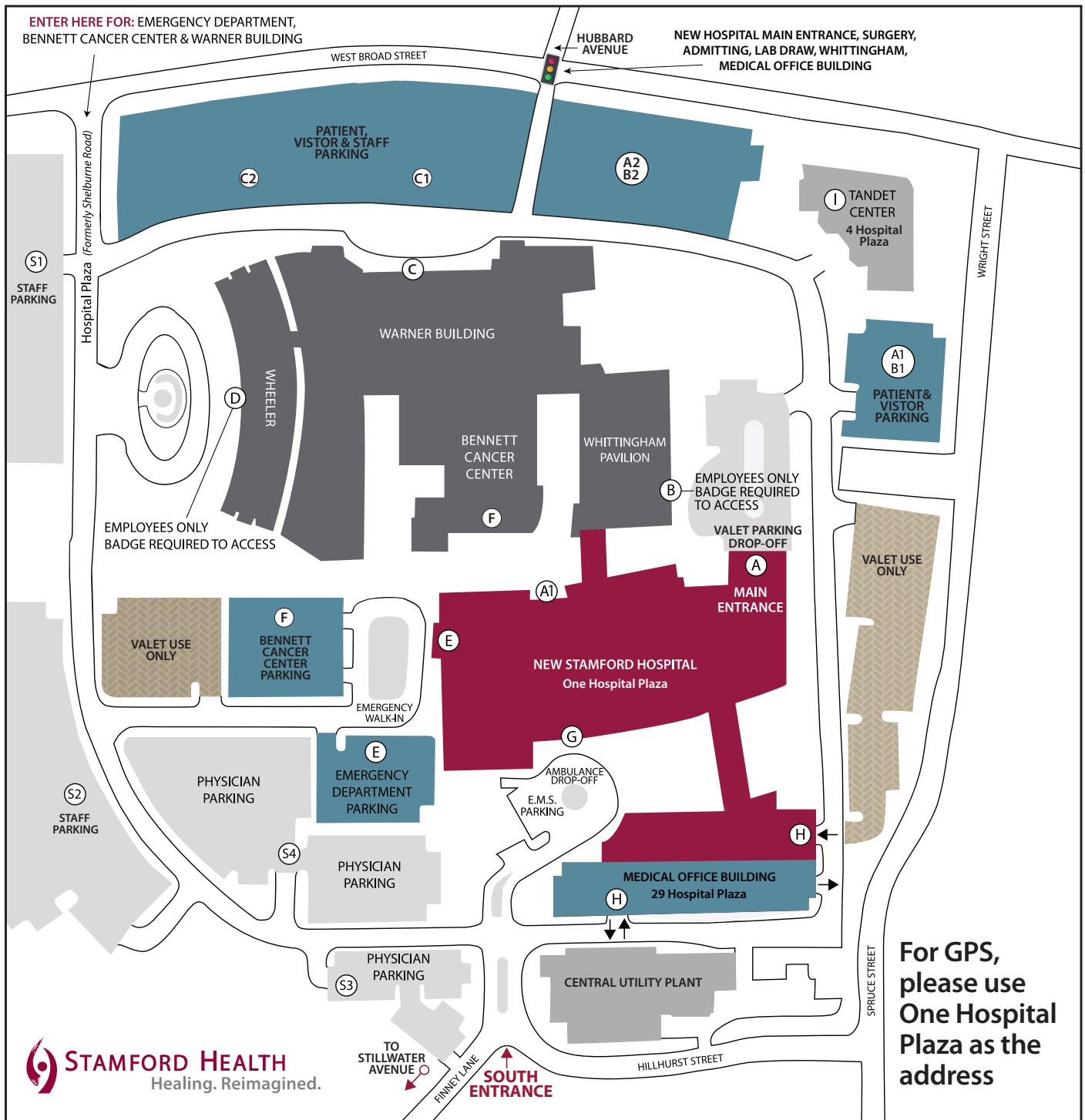


**Exhibit 1  
 Site Location Map**

Proposed Bloom Energy Facility  
 Stamford Hospital  
 1 Hospital Plaza  
 Stamford, Connecticut



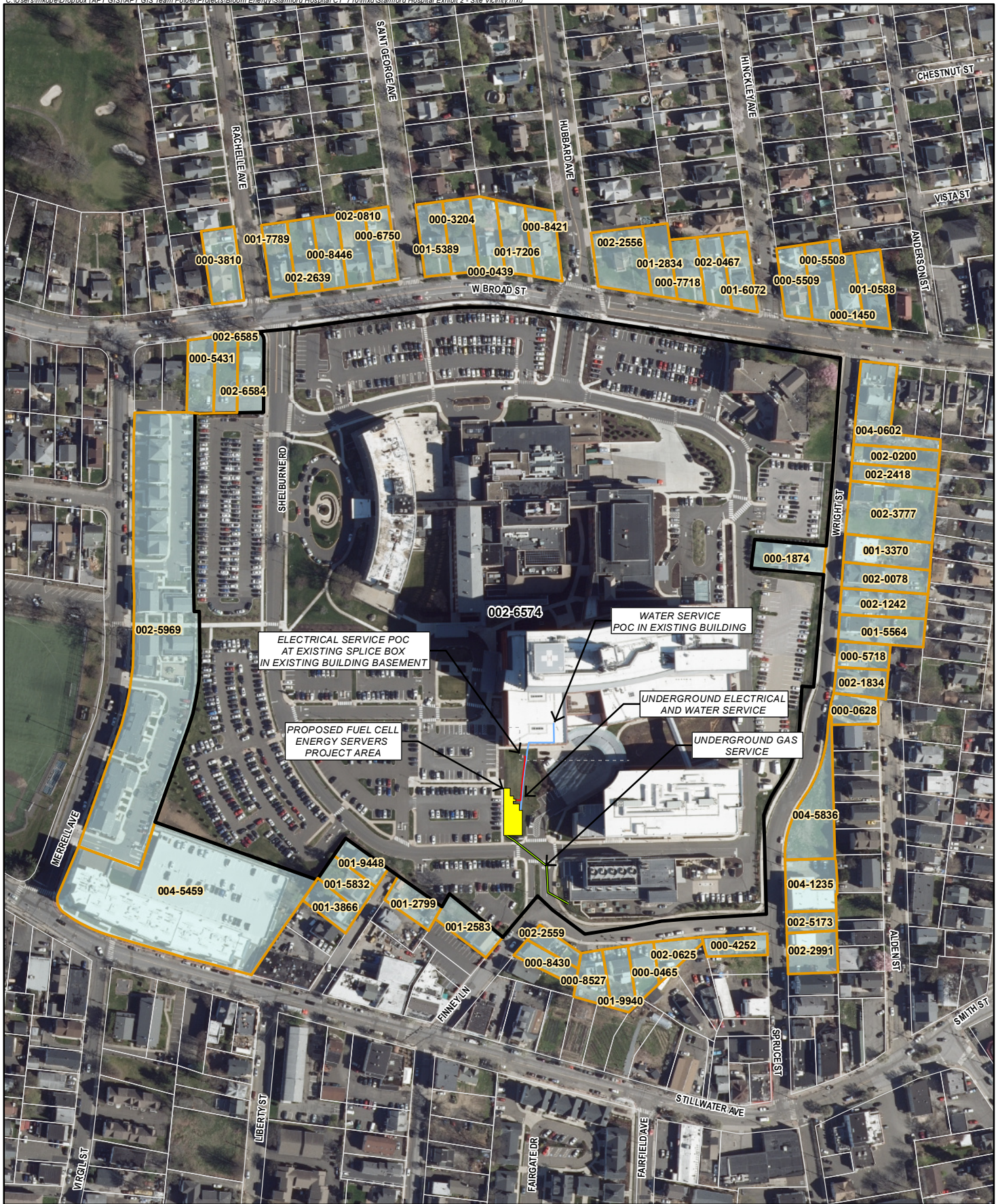
# Stamford Hospital / Bennett Medical Center Map (as of 9/7/2018)



Entrance	Parking Lot	Name	Entrance Hours
A	A1/B1 A2/B2	Hospital Entrance	Mon-Fri 5:30 AM - 9 PM / Sat-Sun & Holidays 8 AM - 4 PM <i>Valet Parking Available: Mon-Fri 5:30AM - 6PM Cars Retrieved Until 9 PM</i>
C	C1 C2	Warner Building	Mon-Fri 7 AM - 9 PM / Sat-Sun 9 AM - 9 PM
E	E	Emergency	24/7 <i>Valet Parking Available: 7 AM - 5 PM</i>
F	F	Bennett Cancer Center	<i>Valet Parking Available: 7 AM - 5 PM</i>
G	—	Ambulance Entrance	24/7
H	Medical Office Building	Medical Office Building	Parking 7 AM - 6 PM ( \$2 for 1st 2 hours; \$20 daily maximum )
A1	—	Alternative Hospital Entrance	

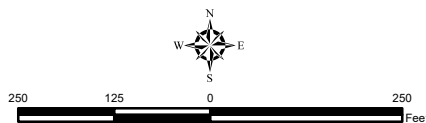


Exhibit 2



- Legend**
- Site
  - Abutting Property
  - Project Area
  - Existing Equipment
  - Existing Basement Wall
  - Underground Electrical Service
  - Underground Water Service
  - Underground Gas Service
  - Approximate Assessor Parcel Boundary

**Map Notes:**  
 Base Map Source: CTECO 2019 Aerial Photograph  
 Map Scale: 1 inch = 250 feet  
 Map Date: December 2021



## Exhibit 2 Site Vicinity

Proposed Bloom Energy Facility  
 Stamford Hospital  
 1 Hospital Plaza  
 Stamford, Connecticut

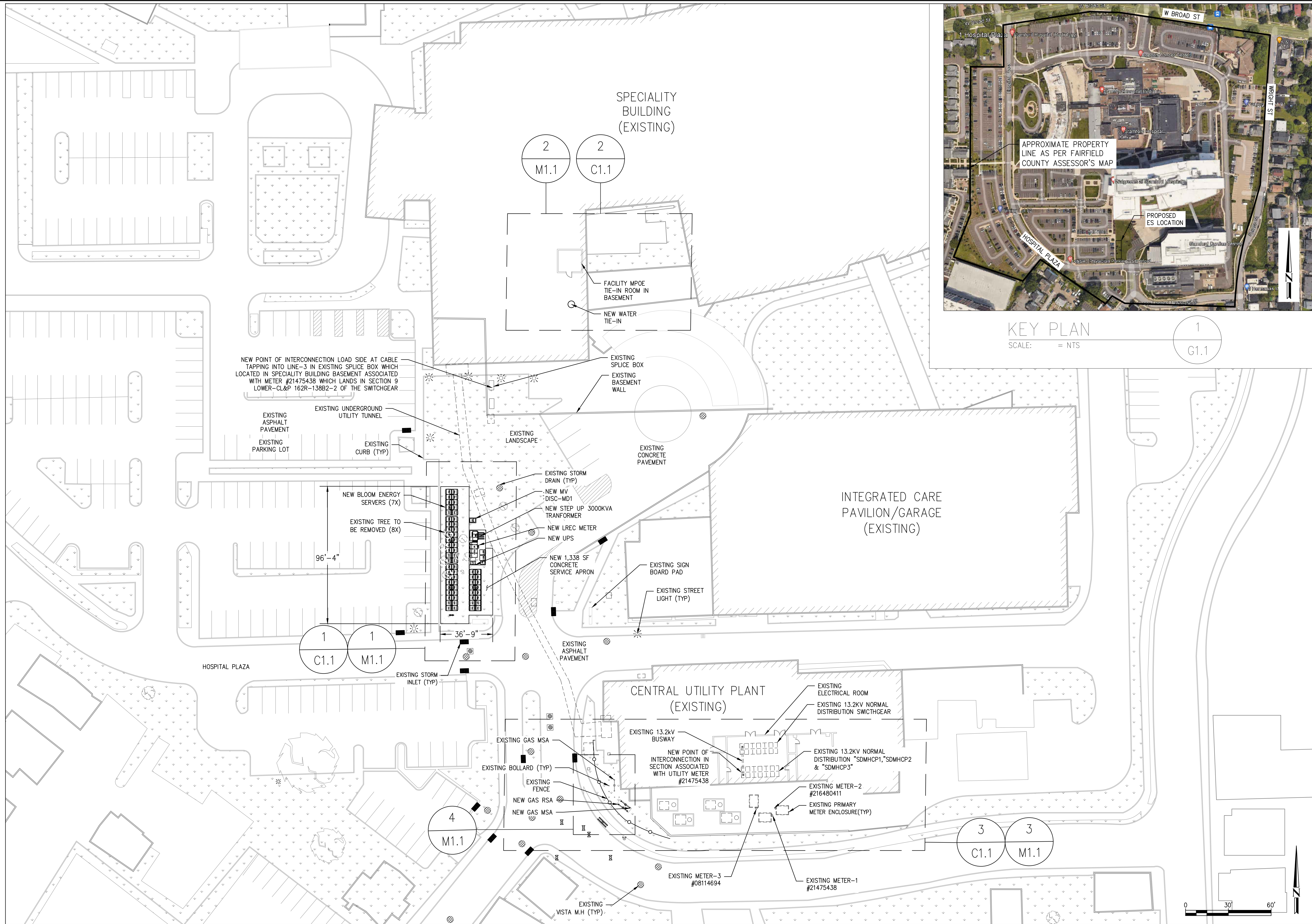


# Exhibit 3



KEY PLAN  
SCALE: = NTS

1  
G1.1



OVERALL SITE PLAN  
SCALE: 1" = 30'

2  
G1.1

CUSTOMER SITE

STAMFORD HEALTH  
1 HOSPITAL PLAZA,  
STAMFORD, CT 06902



REVISION HISTORY		
REV	REVISION ISSUE	DATE

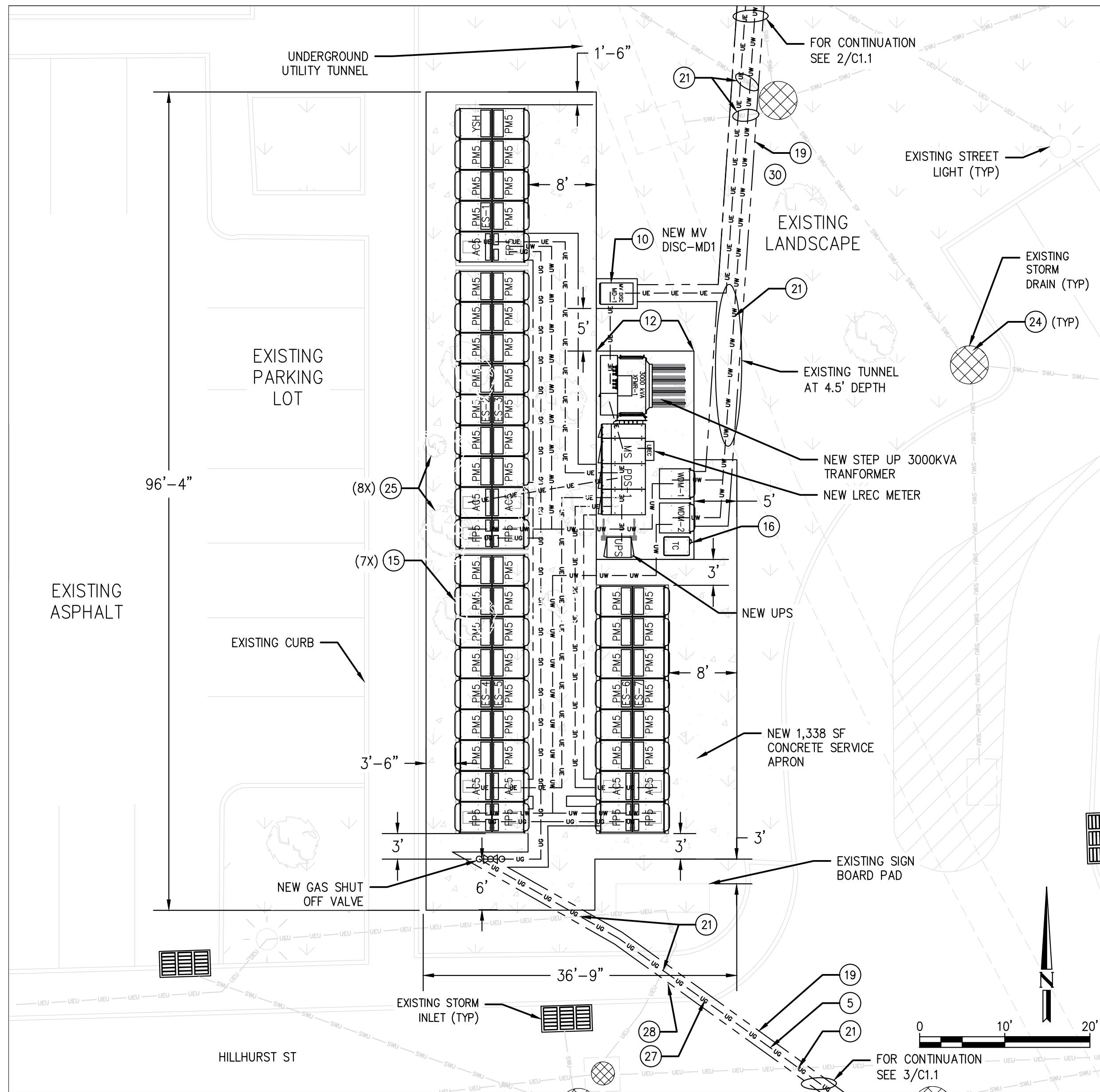
DESIGNED BY PALLAVI CHIGARI	REVIEWED BY
DRAWN BY PALLAVI CHIGARI	APPROVED BY

SHEET TITLE  
**OVERALL SITE PLAN**

DRAWING NUMBER  
**G1.1**

BLOOM DOCUMENT  
**DOC-1014044**

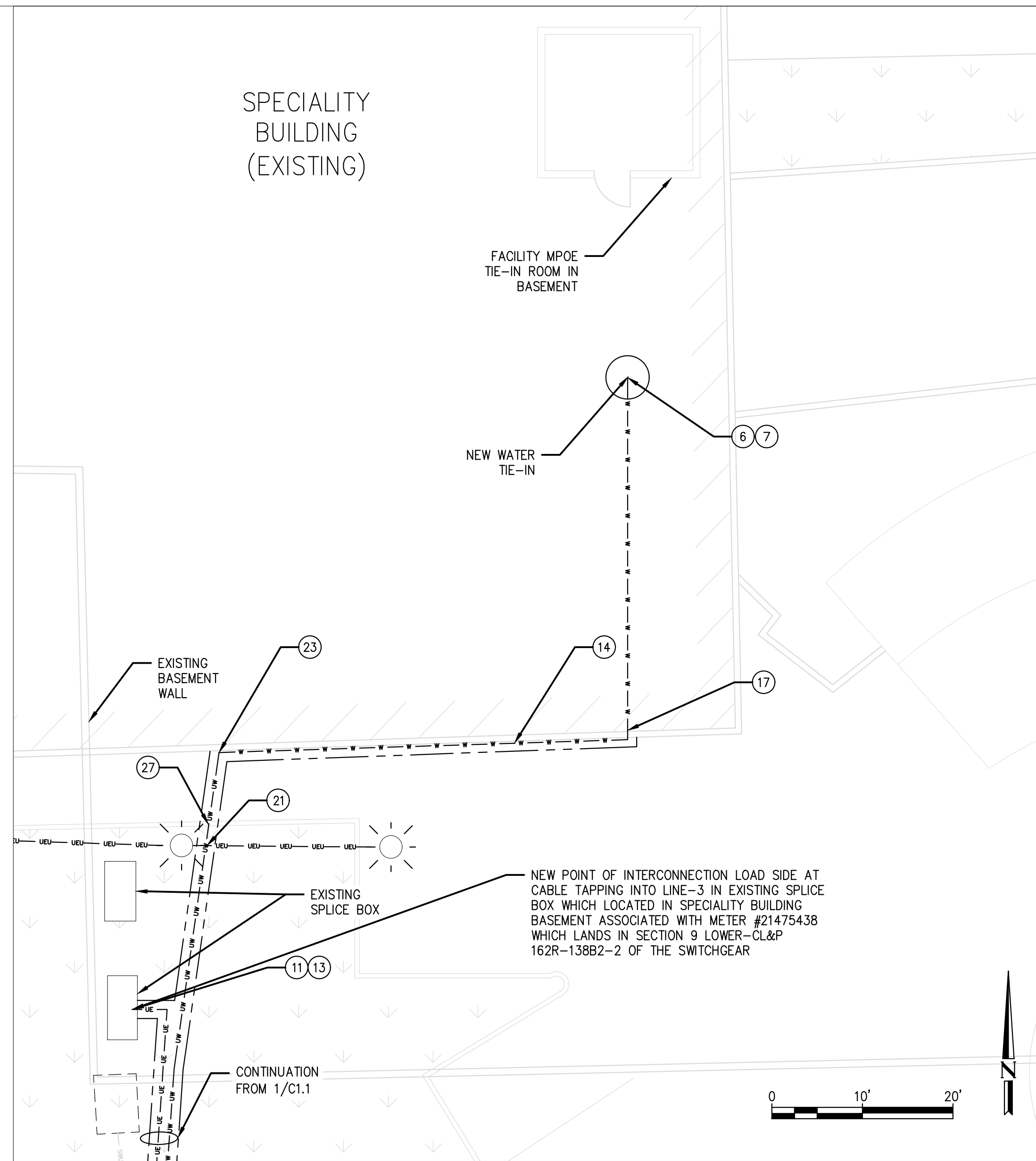
THIS DRAWING IS 24" X 36" AT FULL SIZE  
SITE ID: SMH000.0 SHEET 03 OF 13



DETAILED SITE PLAN

SCALE: 1" = 10'

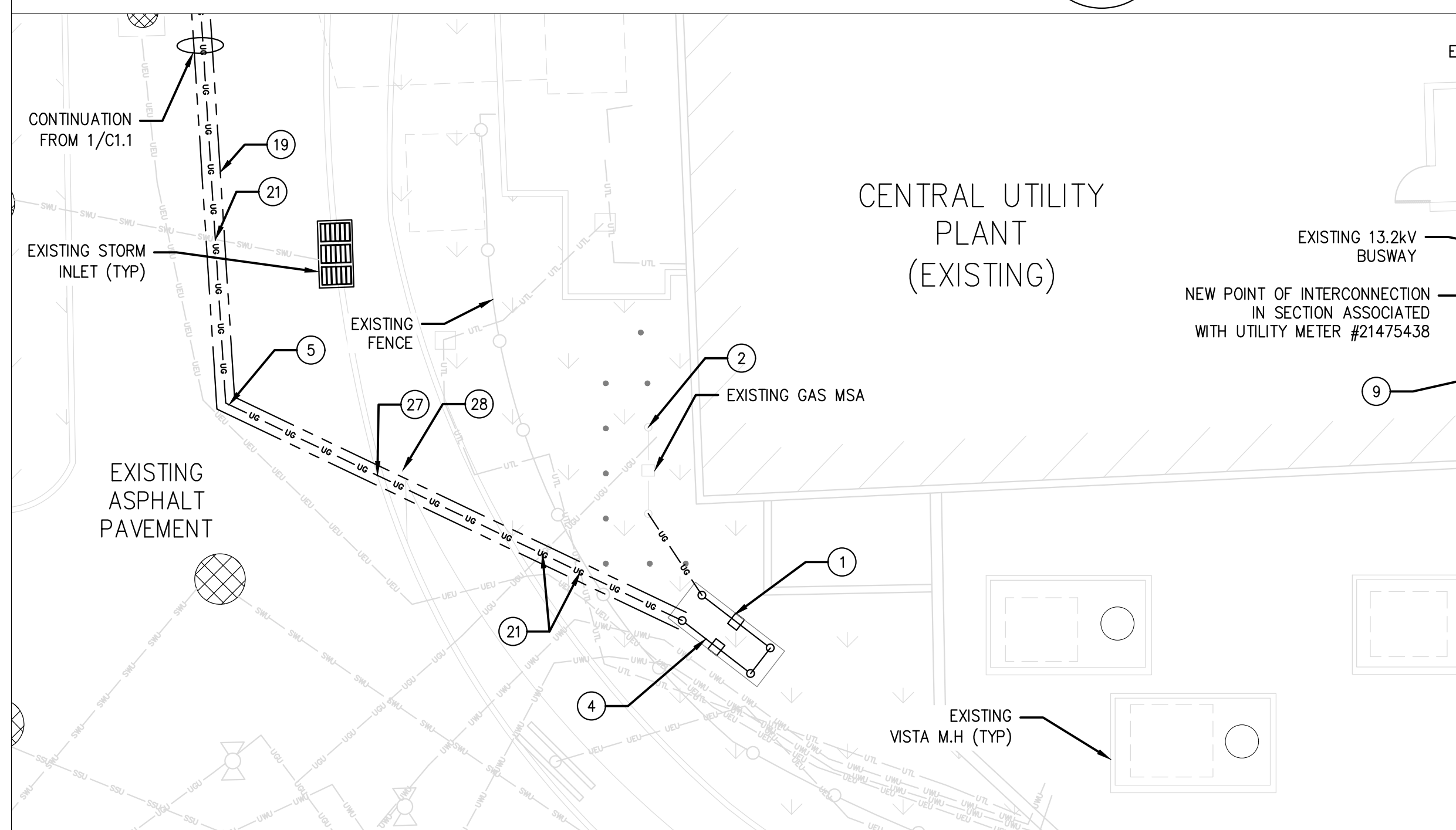
1  
C1.1



DETAILED SITE PLAN

SCALE: 1" = 10'

2  
C1.1



DETAILED SITE PLAN

SCALE: 1" = 10'

3  
C1.1

GENERAL NOTES

- CLEAN AND PRIME ALL NEW WALL MOUNTED PIPING AND CONDUIT. PIPING AND CONDUIT SHALL BE PAINTED WITH EXTERIOR GRADE PAINT TO MATCH EXISTING.
- CONDUITS AND PIPES MOUNTED TO BUILDING WALL SHALL BE SUPPORTED AS PER LOCAL CODE, RUN AT HEIGHT ABOVE DOORWAYS, AND STAND OFF WALL TO AVOID EXISTING CONDUITS AND PIPES.
- SLOPE LINES SHOWN ARE APPROXIMATE AND INTENDED TO SHOW THE GENERAL DIRECTION OF WATER RUN OFF; SLOPE LINES ARE DRAWN PER VISUAL SURVEY OF SURROUNDING AREA.
- SEE BLOOM ENERGY PRODUCT INSTALLATION DRAWINGS FOR UTILITY CONNECTIONS TO ANCILLARY EQUIPMENT AND ENERGY SERVER.

REFERENCE SHEET NOTES

- NEW UTILITY PROVIDED AND INSTALLED GAS METER & REGULATOR ASSEMBLY WITH SHUT-OFF VALVE. CONTRACTOR SHALL PROVIDE PAD PER DETAILS IF REQUIRED BY UTILITY COMPANY. COORDINATE ALL CONNECTIONS WITH GAS UTILITY.
- NEW UNDERGROUND GAS SERVICE TAP BY UTILITY COMPANY. COORDINATE WITH GAS UTILITY. CONTRACTOR SHALL PERFORM COMPACTION AND MATCH EXISTING SURFACE AND GRADE. CONTRACTOR SHALL COORDINATE GAS PIPE SIZING AND INSTALLATION REQUIREMENTS WITH UTILITY.
- NEW PRIVATE GAS REGULATOR SET ASSEMBLY FOR BLOOM ENERGY SERVER WITH SHUT-OFF VALVE. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW GAS PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- TAP EXISTING WATER LINE AT NEAREST ACCESSIBLE LOCATION IN BUILDING AS SHOWN WITH A LOCAL SHUT-OFF VALVE. REFER TO DOMESTIC WATER CONNECTION DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW WATER PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO WATER RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- EXISTING UTILITY ELECTRIC METER. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW BLOOM ENERGY FURNISHED, CONTRACTOR INSTALLED, DISCONNECT SWITCH. MOUNT TO WALL PER MANUFACTURER AND UTILITY SPECIFICATIONS.
- CONTRACTOR SHALL TERMINATE ELECTRIC FEEDER AS SHOWN. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE TWO GROUNDING RODS TO BE PLACED 6' APART MINIMUM. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW ELECTRICAL FEEDER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- MOUNT NEW CONDUIT/PIPE TO EXTERIOR WALL. COORDINATE EXACT ROUTING WITH CUSTOMER REPRESENTATIVE IN THE FIELD. REFER TO WALL MOUNTING DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW BLOOM ENERGY SERVER. REFER TO BLOOM ENERGY STANDARD INSTALLATION DRAWING SET FOR ADDITIONAL BLOOM ENERGY SERVER DETAILS.
- FACTORY WIRED BLOOM ENERGY SERVER EMERGENCY POWER-OFF SWITCH (EPO).
- CONTRACTOR SHALL CORE CONDUIT AND/OR PIPE THROUGH WALL. SCAN WALL PRIOR TO CORING TO AVOID COLLATERAL DAMAGE TO EXISTING PLUMBING AND WIRING. REFER TO WALL PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE SAWCUT TRENCH FOR UNDERGROUND UTILITIES IN THIS LOCATION AND HAND DIG TRENCHES WHERE THEY CROSS EXISTING UTILITIES. REFER TO UNDERGROUND/TRENCH CONDUIT AND PIPING DETAIL FOR ADDITIONAL REQUIREMENTS.
- PROTECT EXISTING UNDERGROUND UTILITY LINES FROM DAMAGE WHEN CROSSING WITH NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED LINES.
- CONTRACTOR SHALL TRANSITION ALL ABOVEGROUND NEW LINES TO UNDERGROUND TOWARD ANCILLARY EQUIPMENT. ABOVE GROUND UTILITIES SHALL BE PROTECTED AS NECESSARY, THEN ROUTED UNDERGROUND TO EQUIPMENT STUB-UP LOCATIONS PER MECHANICAL DETAIL.
- PROVIDE "DANDY SACK" OR EQUAL WITH OUTFLOW PORTS AT STORM DRAIN INLET. REFER TO EROSION CONTROL DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL REMOVE EXISTING TREE.
- CONTRACTOR SHALL UNDER-CUT EXISTING CURB FOR TRENCHING UTILITY LINES AND BACKFILL WITH CONCRETE SLURRY. IF CURB IS DAMAGED, REPAIR TO MATCH EXISTING.
- CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK TO THE NEAREST JOINT AS REQUIRED TO COMPLETE THE WORK. REFER TO CONCRETE SIDEWALK DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE TURF RESTORATION. REFER TO TURF RESTORATION DETAIL FOR ADDITIONAL REQUIREMENTS.

**EXISTING UTILITY NOTE:**  
THE LOCATION OF EXISTING UTILITIES IS SHOWN FOR THE CONTRACTOR'S REFERENCE. EXACT LOCATION, DEPTH AND SIZE OF ALL EXISTING UTILITIES NOT SHOWN ON THESE DRAWINGS. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PROTECT THE EXISTING UNDERGROUND UTILITIES FROM DAMAGE WHEN CROSSING WITH NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED LINES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGN HEREON INAPPROPRIATE AND MAY REQUIRE ADJUSTMENTS TO AVOID CONFLICTS.

CUSTOMER SITE

STAMFORD HEALTH  
1 HOSPITAL PLAZA,  
STAMFORD, CT 06902



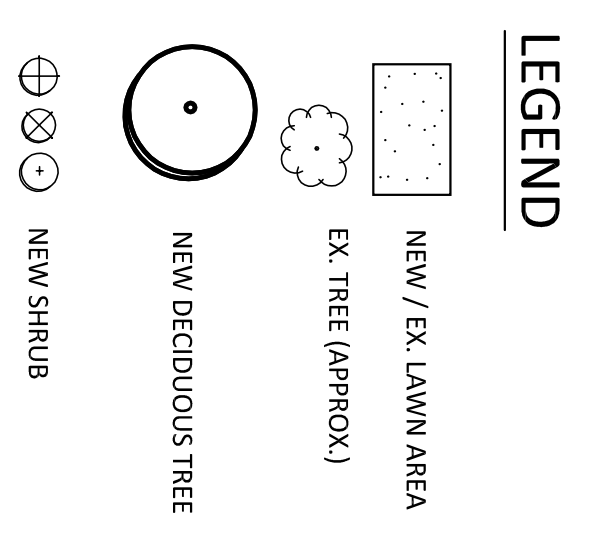
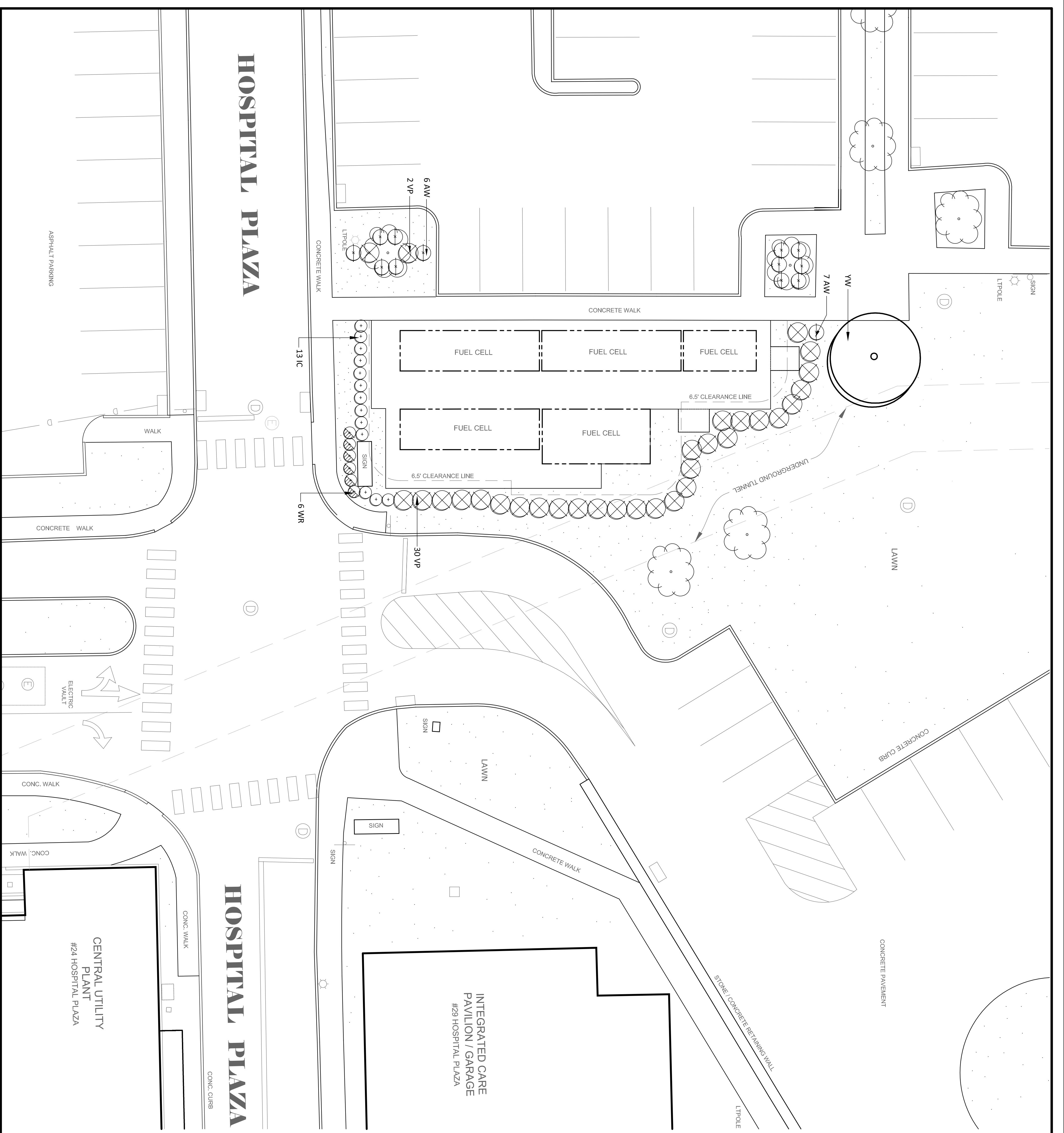
REVISION HISTORY		
REV	REVISION ISSUE	DATE

DESIGNED BY	REVIEWED BY
DRAWN BY PALLAVI CHIGARI	APPROVED BY

SHEET TITLE  
**DETAILED SITE PLAN**

DRAWING NUMBER  
C1.1

BLOOM DOCUMENT  
DOC-1014044

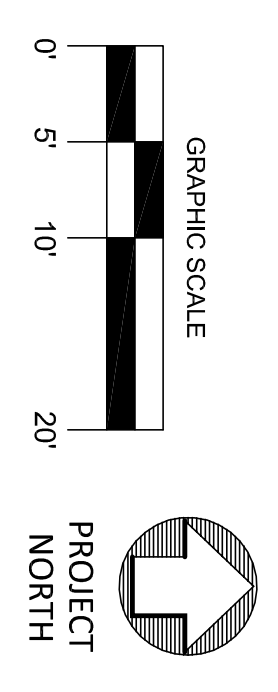


**NOTES:**

1. EXISTING AND PROPOSED SITE INFORMATION TAKEN FROM A DIGITAL AUTOCADD SITE PLAN SUPPLIED BY REDNISS & MEND.
2. CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 TO HAVE UNDERGROUND UTILITY LINES MARKED BY THEM PRIOR TO START OF ANY EXCAVATION WORK.
3. SEED DISTURBED LAWN AREAS WITH A HIGH QUALITY FESCUE AND BLUEGRASS MIX TURF MIX. APPLY SOIL AMENDMENTS AS RECOMMENDED BY THE MANUFACTURER. SEED AREAS AT THE METHODS AND RATE RECOMMENDED BY THE MANUFACTURER.
4. PLANT SPECIES SUBSTITUTIONS MAY BE MADE WITH THE APPROVAL OF THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PLANTING. SUBSTITUTED PLANTS SHALL BE AT AN EQUAL OR GREATER SIZE AS NOTED USING A SIMILAR TREE PLANT.
5. ALL PLANTING METHODS SHALL BE IN ACCORDANCE WITH THE "AMERICAN STANDARDS FOR NURSERY STOCK", LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
6. THIS PLAN FOR PLANTING PURPOSES ONLY. SEE PLANS BY OTHERS FOR ADDITIONAL INFORMATION.

**PLANT LIST**

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
1	YW	CLADASTIS LUTEA	YELLOWWOOD	2-2 1/2" CAL	88B	40" WIDE, 30" HT., WHITE FLOWER
13	IC	LIEK GRANIYA 'CHESAPEAKE'	CHESAPEAKE HOLLY	3-4' HT.	88B	5" WIDE, 7" HT., EVERGREEN
6	WR	ROSA 'WHITE MELODIA'	WHITE MELODIA ROSE	2-3 5/8"	CONT.	4" WIDE, 30" HT., WHITE FLOWERS
13	AW	SPRAEA 'ANTHONY WATERS'	ANTHONY WATERS SPRAEA	2-3' HT.	88B	5" WIDE, 3" HT., PURPLE FLOWERS
32	VP	VIBURNUM PRAGENSE	PRAGUE VIBURNUM	3-4' HT.	88B	8" WIDE, 8" TALL, EVERGREEN



REVISIONS:

NO.	DATE	DESCRIPTION

DRAWING TITLE: **LANDSCAPE PLAN**

PROJECT: **FUEL CELLS @ STAMFORD HOSPITAL**  
1 HOSPITAL PLAZA  
STAMFORD, CONNECTICUT

**ENVIRONMENTAL LAND SOLUTIONS, LLC**  
Landscape Architecture and Environmental Planning  
8 KNIGHT STREET, SUITE 203  
NORWALK, CONNECTICUT 06851  
Tel: (203) 855-7879 Fax: (203) 855-7836  
info@elslinc.net www.elslinc.net

**ENVIRONMENTAL & ARCHITECTURE PLANNING**  
**ELIS**

DATE: 6.18.21  
SCALE: 1"=10'  
DRAWING NO.: **LP.1**

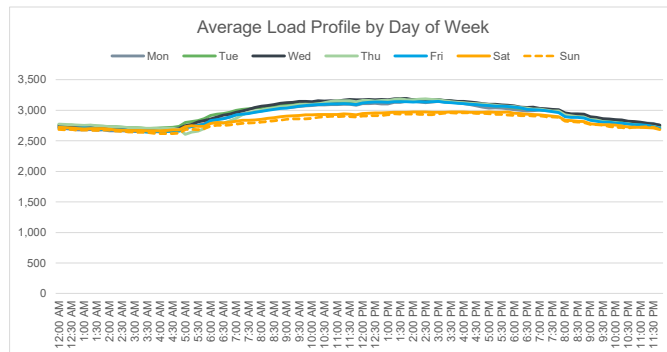
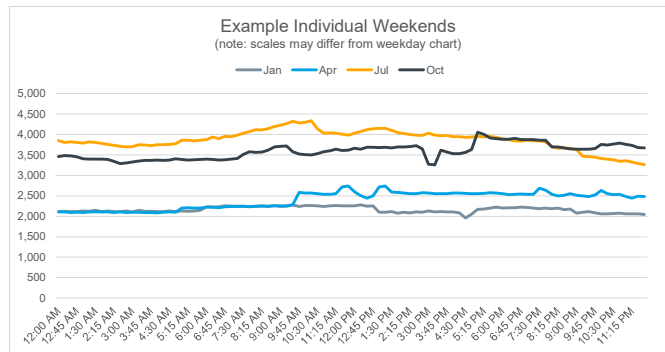
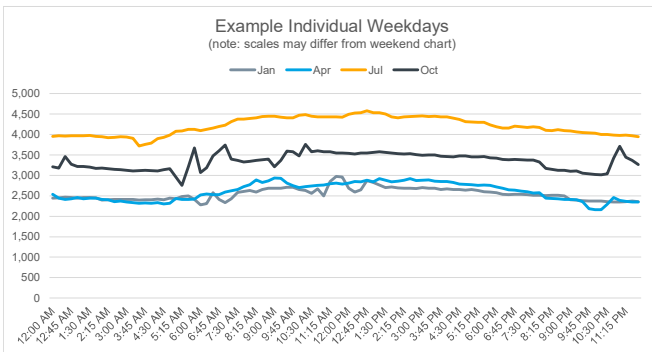
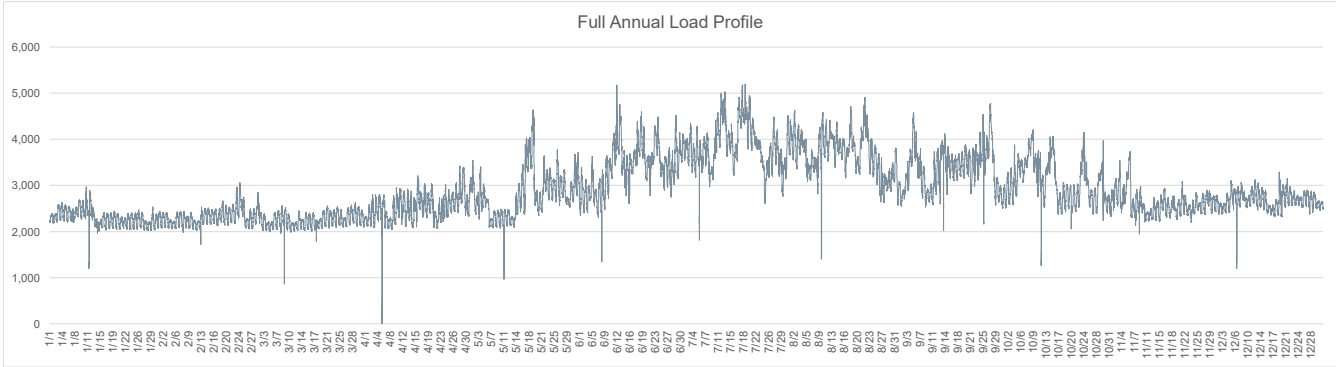
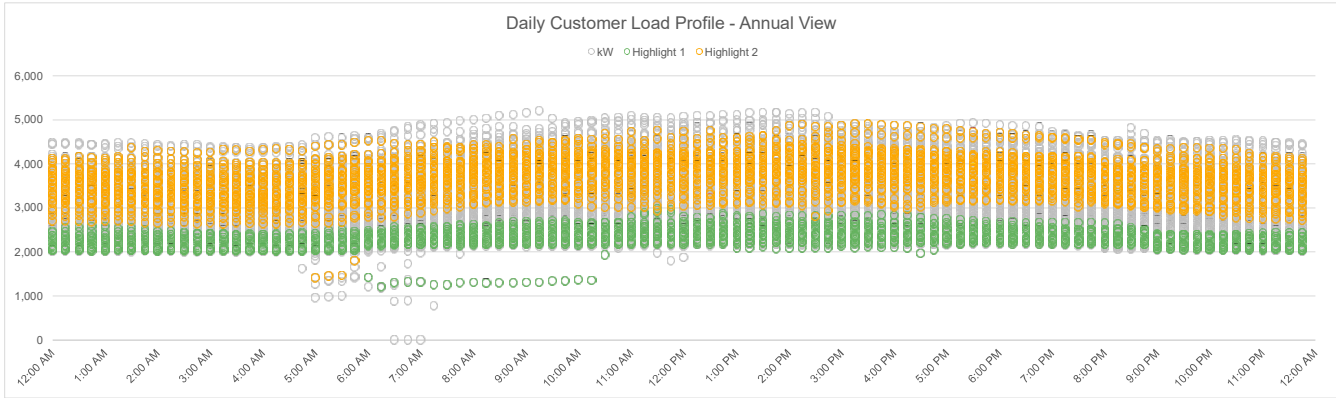
# Exhibit 4

SITE DETAILS	
Utility Tariff	CT - EVR-CT 58-P
Customer Name	Stamford Health
Site Name or Address	Stamford Hospital
Utility Account Number	
Meter Number	445552060, 537715039
NOTES	
(Notes here)	

SIZING SUMMARY	
Total Days of Complete, Non-Zero Data	365
Annual Load Factor	56%
Total Customer Usage	25,476,044 kWh
Average 15-Min kW	2,908 kW
Average Peak Demand	4,018 kW
<b>Absolute Minimum kW (non-zero)</b>	<b>776 kW</b>
<b>Estimated Average Baseload</b>	<b>2,800 kW</b>
<b>Proposed System Size</b>	<b>2,000 kW</b>
<b>Estimated Resulting Net Metering</b>	<b>0.04%</b>

Stamford Health - Stamford Hospital (Acct ; Meter 5039) - New Sizing Tool

MONTH	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Highlight Color (0/1/2)	1	0	0	0	0	0	0	2	0	0	0	0





## 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-YASAAN)	
<b>Outputs</b>			
Nameplate power output (net AC)	300kW		
Load output (net AC)	300kW		
Electrical connection	480V, 3-phase, 60 Hz		
<b>Inputs</b>			
Fuels	Natural gas, directed biogas		
Input fuel pressure	10-18 psig (15 psig nominal)		
Water	None during normal operation		
<b>Efficiency</b>			
Cumulative electrical efficiency (LHV net AC) <sup>1</sup>	65-53%		
Heat rate (HHV)	5,811-7,127 Btu/kWh		
<b>Emissions<sup>2</sup></b>			
NOx	0.0017 lbs/MWh		
SOx	Negligible		
CO	0.034 lbs/MWh		
VOCs	0.0159 lbs/MWh		
CO <sub>2</sub> @ stated efficiency	679-833 lbs/MWh on natural gas; carbon neutral on directed biogas		
<b>Physical Attributes and Environment</b>			
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		
<b>Codes and Standards</b>			
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.			
<b>Additional Notes</b>			
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			
<sup>1</sup> 65% LHV efficiency verified by ASME PTC 50 Fuel Cell Power Systems Performance Test			
<sup>2</sup> NOx and CO measured per CARB Method 100, VOCs measured as hexane by SCAQMD Method 25.3			

### About Bloom Energy

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

Bloom Energy

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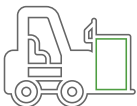
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Energy Server 5		Technical Highlights (ES5-EAXAAN)	
<b>Outputs</b>			
Nameplate power output (net AC)	250kW		
Load output (net AC)	250kW		
Electrical connection	480V, 3-phase, 60 Hz		
<b>Inputs</b>			
Fuels	Natural gas, directed biogas		
Input fuel pressure	10-18 psig (15 psig nominal)		
Water	None during normal operation		
<b>Efficiency</b>			
Cumulative electrical efficiency (LHV net AC) <sup>1</sup>	65-53%		
Heat rate (HHV)	5,811-7,127 Btu/kWh		
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CO <sub>2</sub> @ stated efficiency	679-833 lbs/MWh on natural gas; carbon neutral on directed biogas		
<b>Physical Attributes and Environment</b>			
Weight	13.6 tons		
Dimensions (variable layouts)	14'4" x 8'8" x 6'9" or 28'8" 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		
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Bloom Energy

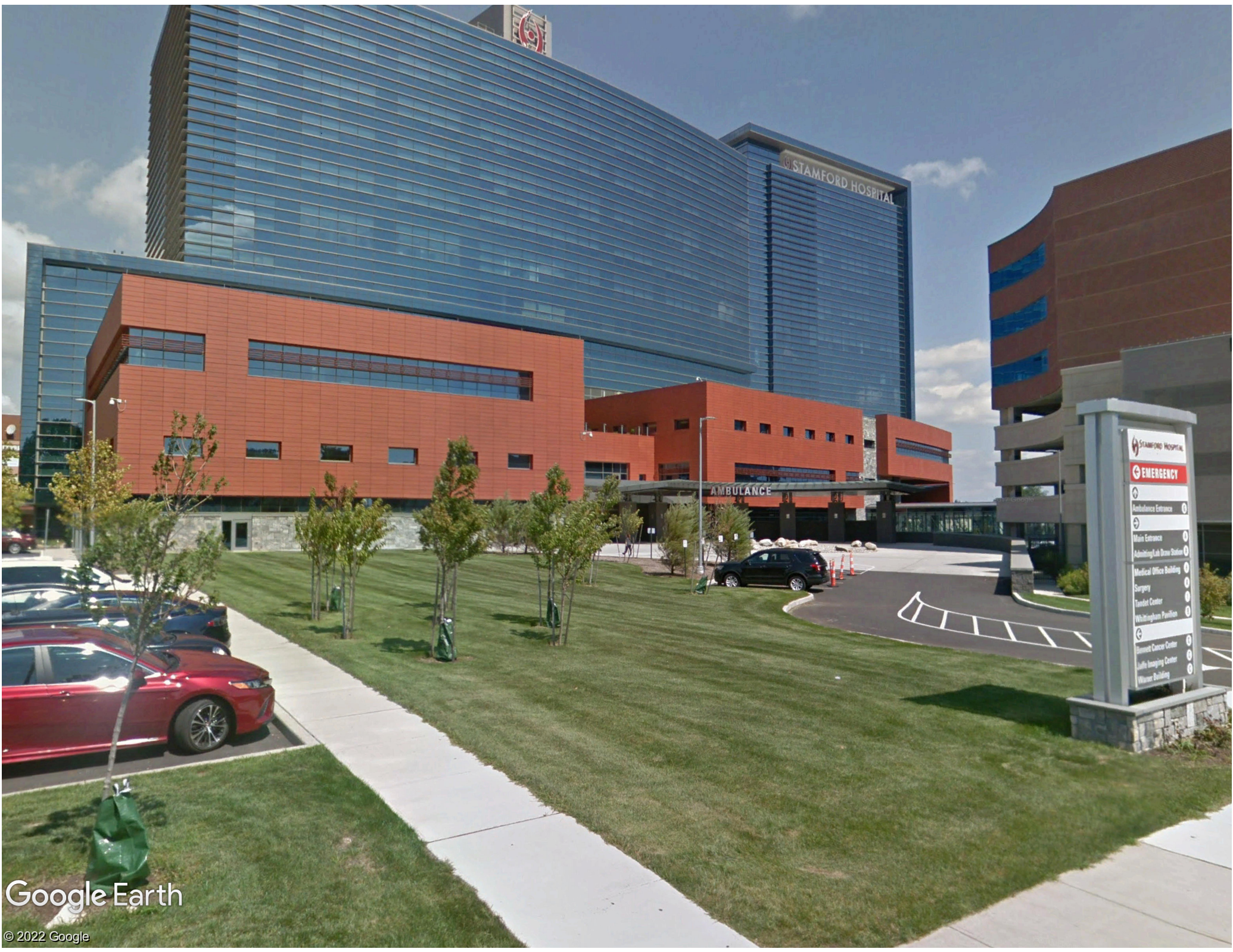
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DOC-1013940 Rev A



STAMFORD HOSPITAL

AMBULANCE

- Stamford Hospital
- EMERGENCY**
- Emergency Entrance 1
  - Main Entrance 1
  - Admitting/Lab Drive Station 1
  - Medical Office Building 1
  - Surgery 1
  - Tandem Center 1
  - Whittingham Pavilion 1
  - Garrett Cancer Center 1
  - Life Imaging Center 1
  - Water Building 1

 **STAMFORD HOSPITAL**  
Bennett Medical Center

 **EMERGENCY**



**Ambulance Entrance** **G**



**Main Entrance** **A**

**Admitting/Lab Draw Station** **A**

**Medical Office Building** **H**

**Surgery** **A**

**Tandet Center** **I**

**Whittingham Pavilion** **B**



**Bennett Cancer Center** **C**

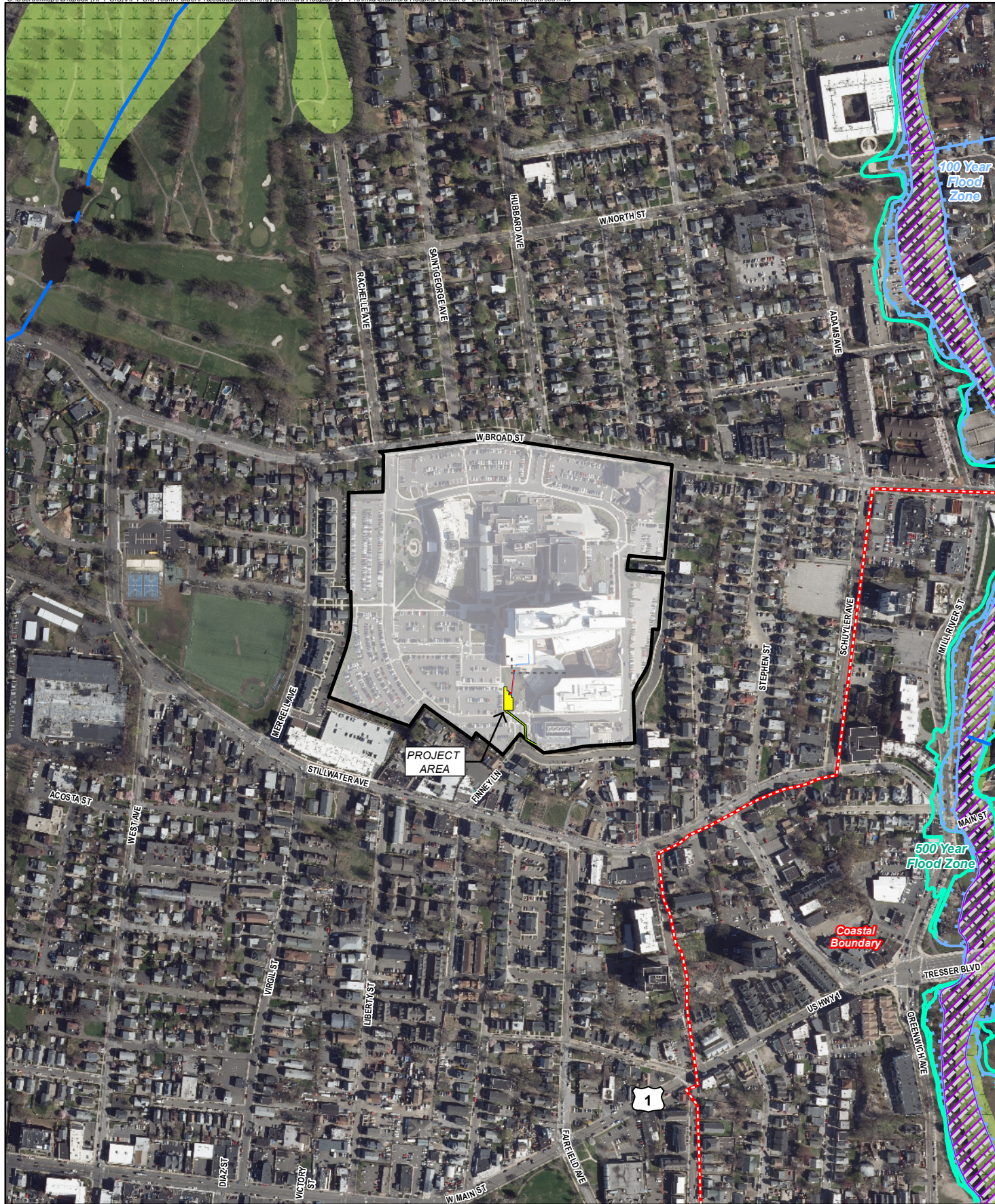
**Jaffe Imaging Center** **C**

**Warner Building** **C**



# Exhibit 5





- Legend**
- Site
  - Project Area
  - Existing Basement Wall
  - Underground Electrical Service
  - Underground Water Service
  - Underground Gas Service
  - CTDEEP Watercourse
  - CTDEEP Natural Diversity Database (updated Dec 2021)
  - CTDEEP Wetlands
  - FEMA 100-Year Flood Zone
  - FEMA 500-Year Flood Zone
  - Floodway
  - CTDEEP Critical Habitat (Oct 2019)
  - CTDEEP Coastal Boundary
  - Approximate Assessor Parcel
  - Municipal Boundary

**Map Notes:**  
 Not All Legend Items May Be Located Within Map Extent  
 Base Map Source: CTECO 2019 Aerial Photograph  
 Map Scale: 1 inch = 500 feet  
 Map Date: December 2021



**Exhibit 5**  
**Environmental Resources**  
 Proposed Bloom Energy Facility  
 Stamford Hospital  
 1 Hospital Plaza  
 Stamford, Connecticut



Exhibit 7



## *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
7. Natural Disasters and Severe Weather
  - 7.1 Earthquake
  - 7.2 Flood
8. Utility Outage
9. Good Housekeeping and Maintenance
  - 9.1 Good Housekeeping
  - 9.2 Maintenance
10. Training

## 1. FIRE PREVENTION AND EMERGENCY PLANNING OVERVIEW

---

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

## 2. FUEL CELL SYSTEM INSTALLATION SAFETY FEATURES

---

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

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

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

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



Figure 1: Emergency Power Off Button

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



Figure 2: Electrical Disconnect

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



Figure 3: Manual Natural Gas Valve

**Site map:**

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

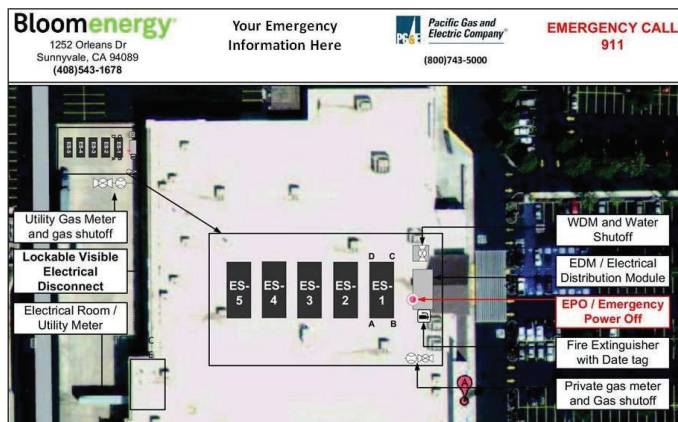


Figure 4: Sample Site Map

**Manual controls:**

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

**Fire hazard mitigation:**

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



**Electrical hazard and mitigation:**

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

**Mechanical hazard and mitigation:**

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

**Material hazard mitigation:**

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

**3. EMERGENCY NOTIFICATION PROCEDURES**

---

**Life-Threatening Emergencies**

To report life-threatening emergencies, immediately call:

<b>Fire:</b>	<b>911</b>
<b>Ambulance:</b>	<b>911</b>
<b>Police:</b>	<b>911</b>

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 CO<sub>2</sub>. 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**

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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

January 12, 2022

**Bloom Energy**

4353 North 1<sup>st</sup> Street  
San Jose, California 95134

Attention: **Brandon Leaverton | Supply Chain Specialist – Construction**

Subject: **SMH000 Stamford Health, Stamford, Connecticut  
Property Line Noise Analysis  
Veneklasen Project No. 4631-028**

Dear Brandon:

Veneklasen Associates, Inc. (Veneklasen) was contracted to evaluate noise impact of the proposed fuel cells for the subject project in Stamford, Connecticut. This report includes the 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 164 “NOISE” Section 164-5 B provides the following property line noise limits based on emitting and receiving land usages. These are summarized in Table 1 below.

**Table 1. City Property Line Noise Limits**

Emitter Zone	Receptor Zone			
	Industrial	Commercial	Residential Day	Residential Night
Residential	62 dBA	55 dBA	55 dBA	45 dBA
Commercial	62 dBA	62 dBA	55 dBA	45 dBA
Industrial	70 dBA	66 dBA	61 dBA	51 dBA

Additionally, Section 164-5 C includes the following provision to the noise limits above:

*In those individual cases where the background noise level 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 level by five (5) decibels, provided that no source subject to the provisions of this chapter shall emit noise in excess of eighty (80) decibels at any time, and provided that this section does not decrease the permissible levels of other sections of this chapter.*

Veneklasen assumes the fuel cells will run 24-hours per day. Since the subject project is commercially zoned and has several residential properties and one commercial property adjacent, Veneklasen has compared property line fuel cell noise levels to the Commercial-to-Residential and Commercial-to-Commercial property line noise limit of 45 dBA at nighttime and 62 dBA respectively. See the following section for existing ambient discussions.

**Existing Ambient Noise**

The City Noise Ordinance allows for higher property line noise level thresholds than what are published above if existing ambient noise levels are higher than the threshold limits. However, nearby roadways to sensitive receptors are primarily two-lane local access roads. The nearest major roadway to nearby receptors is approximately 250 feet away and is also only a two-lane downtown road. It is unlikely that nighttime ambient noise levels would exceed 45 dBA and trigger a property line noise allowance per the ordinance listed above. Therefore, fuel cell noise levels are compared to values listed in Table 1 above without any modifications.

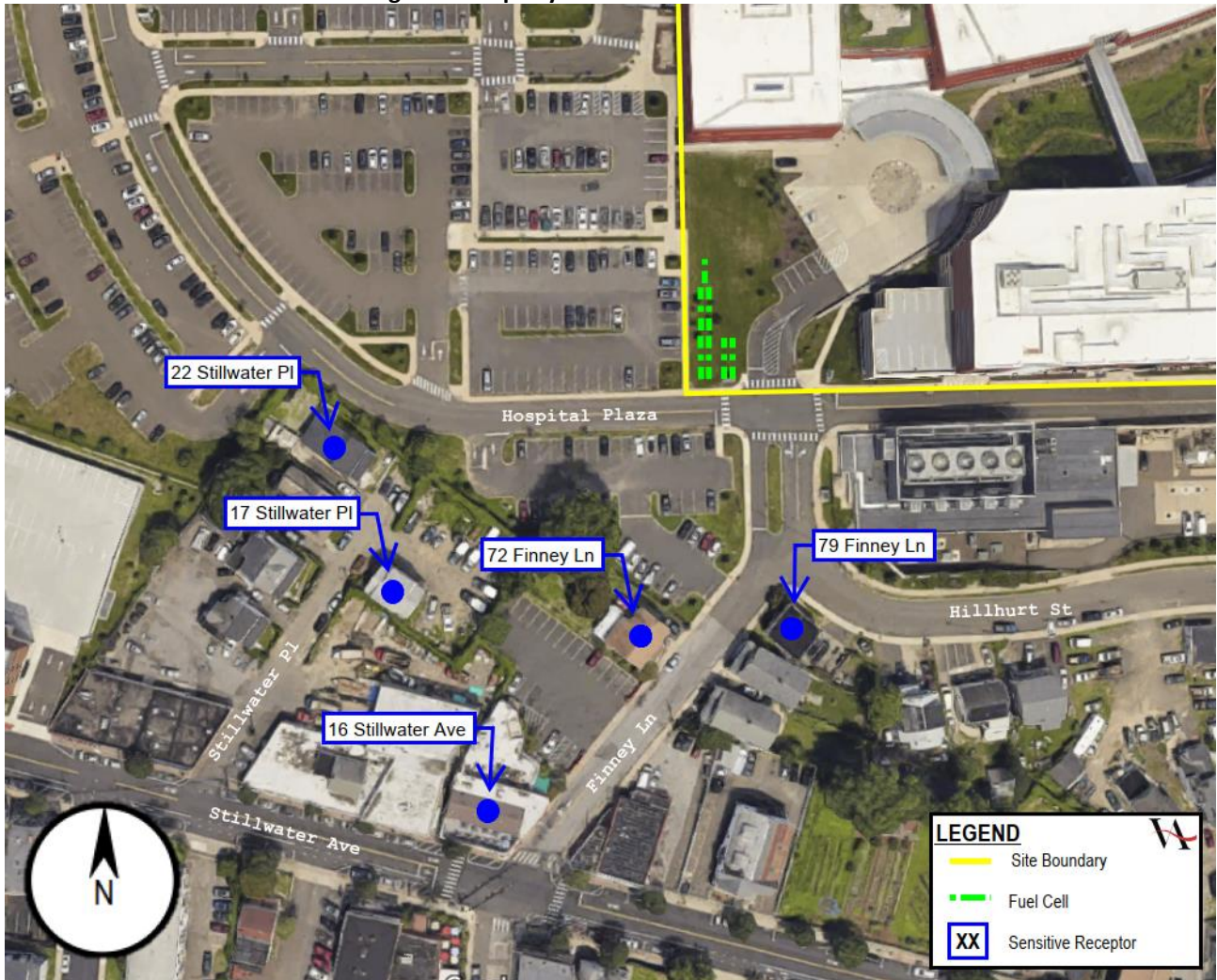


**Property Line Noise Analysis**

Drawings received December 21, 2021 indicate that the proposed fuel cells will be installed in the southwest corner of the hospital property. Proposed fuel cells are shown in green in Figure 1 below. Additionally, the nearest sensitive 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. Measurement data of these units when compared to units without foam indicate that the foam compound reduces noise levels produced by the 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.

**Figure 1. Property Line and Fuel Cell Locations**



The calculated fuel cell noise levels as compared with city noise requirements are presented in Table 2 below. Note that the reported distances between property lines and the fuel cells are taken from the closest face of the fuel cell nearest to the associated property line.

**Table 2. Fuel cell Property Line Noise Levels**

Sensitive Receptor	Receptor Type	Distance from Fuel Cell, ft	Calculated Fuel Cell Noise Level, dBA	Noise Limit, dBA	Code Compliant?
79 Finney Ln	Residential	175	45	45	Yes
72 Finney Ln	Residential	180	44	45	Yes
22 Stillwater Pl	Residential	245	40	45	Yes
17 Stillwater Pl	Residential	260	41	45	Yes
16 Stillwater Ave	Commercial	310	40	62	Yes

None of the fuel cell property line noise levels exceed the city noise ordinance limits as currently designed.

### Summary

Veneklasen has reviewed the subject project proposed fuel cell property line noise levels as they pertain to the applicable Stamford Noise Control Ordinance. Adjacent properties are zoned as residential or commercial. According to calculations summarized in this report, property line noise levels do not exceed allowable property noise limits. Therefore, no mitigation is required to comply with local noise code.

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

Sincerely,

**Veneklasen Associates, Inc.**



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.

**Table 3. Fuel Cell Measured Sound Power Levels**

Dampening Product Installed?	Measured Sound Power Level [dB] – 1/1 Octave Bands							LwA
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
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 3.

**Table 4. Measured Sound Dampening Foam Mitigation**

Condition	Measured Sound Pressure Level [dB] @10ft – 1/1 Octave Band				
	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

## 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:

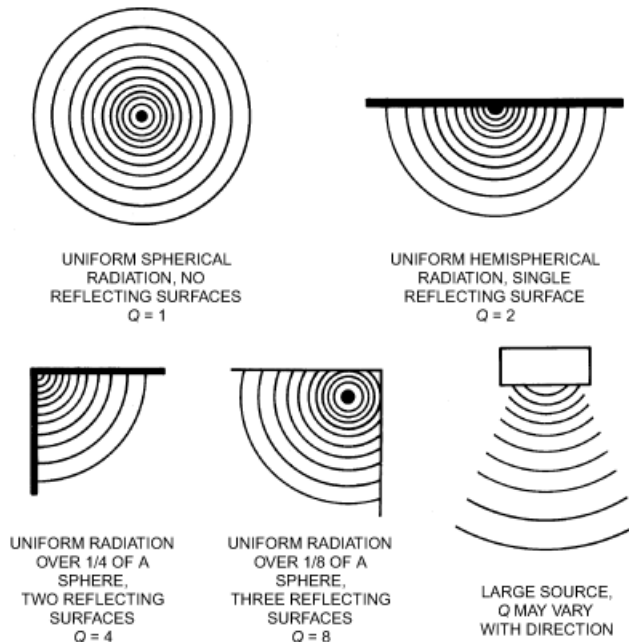
$d$  = The distance between the center of the fuel cell unit to the property line in feet.

$L_p$  = 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 8



VIA CERTIFICATE OF MAILING

January 28, 2022

RE: Application of Bloom Energy for the location and construction of a Bloom Energy Server fuel cell installation to provide 2,000 kilowatts of Customer-Side Distributed Resource at Stamford Hospital, One Hospital Plaza, Stamford, 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 February 4, 2022, a petition for declaratory ruling with the Council. The petition will request the Council's approval of the location and construction of a 2,000-kilowatt fuel cell installation and associated equipment. The Facility will be located at the Stamford Hospital complex at One Hospital Plaza in Stamford, Connecticut (the "Site").

The purpose of the proposed Facility is to replace a portion of Stamford Hospital's annual load with a renewable energy source<sup>1</sup> 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](mailto:Kristen.grillo@bloomenergy.com)



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

**ABUTTING PROPERTY OWNERS**

subject parcel

Property ID	Property Address	Owner Name	Mailing Address	Town	State	Zip
002/6574	1 Hospital Plaza	Stamford Hospital	30 Shelburne Rd.	Stamford	CT	06902-3628
004-5733/004-5862	29 Hospital Plaza	Stamford Hospital	181 W. Madison St., Suite 4700	Chicago	IL	60602-4584
000/3810	233 West Broad Street	Antonio Garcia & Deyanira Garcia	233 West Broad St.	Stamford	CT	06902
001/7789	1 Rachele Avenue	Michael Conklin & Lori Conklin	1 Rachele Ave.	Stamford	CT	06905-4826
002/2639	219 West Broad Street	Tamus Lewis & Tamu Lewis	219 West Broad St.	Stamford	CT	06902-3631
000/8446	217 West Broad Street	Somsanith S. Capuno & James Capuno	217 West Broad St.	Stamford	CT	06902-3631
002/0810	213 West Broad Street	Lavinia F. Scordo	213 West Broad St.	Stamford	CT	06902-3631
000/6750	6 Saint George Avenue	Jorge C. Idrovo Suzrez	6 Saint George Ave.	Stamford	CT	06905-4829
001/5839	199 West Broad Street	Whitfield Sadio	199 West Broad St.	Stamford	CT	06902-3630
000/3204	195 West Broad Street	Chun Min Stadel	195 West Broad St.	Stamford	CT	06902
000/0439	193 West Broad Street	Jean Yves Laguerre & Franchette Laguerre	193 West Broad St.	Stamford	CT	06902-3630
001/7206	189 West Broad Street	Yu Qing Huang	189 West Broad St.	Stamford	CT	06902-3630
000/8421	179 West Broad Street	José A. Camacho-Pantoja	179 West Broad St.	Stamford	CT	06902
002/2556	7 Hubbard Avenue	Bossuet Thadal	7 Hubbard Ave.	Stamford	CT	06903-0000
001/2834	167 West Broad Street	Russ & Sylvetta R. Hollander	167 West Broad St.	Stamford	CT	06902
000/7718	147 West Broad Street	Clara H. Franchina	147 West Broad St.	Stamford	CT	06902-3629
002/0467	143 West Broad Street	Celeste M. Scalzi	109 Carter Dr.	Stamford	CT	06902-7012
001/6072	135 West Broad Street	Lillian Moskowitz	135 W Broad St.	Stamford	CT	06902-3629
000/5509	131 West Broad Street	Juan N. Cruz-Barroso	131 West Broad St.	Stamford	CT	06902
000/5508	127 West Broad Street	Silvio R. Suarez Tenesaca	127 West Broad St., Apt #2	Stamford	CT	06902-3781
000/1450	125 West Broad Street	Raymond Berardi	125 West Broad St.	Stamford	CT	06902-3714
001/0588	123 West Broad Street	William Lovallo	111 McIntosh Rd.	Stamford	CT	06903-1832
004/0602	116 West Broad Street	Maria Aposporos	43 Sylvan Knoll Rd.	Stamford	CT	06902-0000
002/0200	18 Wright Street	The Stamford Hospital	30 Shelburne Rd.	Stamford	CT	06902
002/2418	20 Wright Street	The Stamford Hospital	30 Shelburne Rd.	Stamford	CT	06902
002/3777	24 Wright Street	Carmelo D'Agostino Jr. et al.	13 Glendale Dr.	Stamford	CT	06906-1218
001/3370	30 Wright Street	Ulisse A. Cataldo & Anna M. Cataldo	3773 Pino Vista Way # 102	Estero	FL	33928
000/1874	31 Wright Street	Mary Boccuzzi	31 Wright St.	Stamford	CT	06902-4805
002/0078	34 Wright Street	Wright Street LLC	84 Warncke Rd.	Wilton	CT	06897
002/1242	40 Wright Street	Marcos E. Alarcon & Jenny B. Calderon	106 Soundview Ct.	Stamford	CT	06902
001/5564	42 Wright Street	Marek Tutak & Agata Tutak	104 Westover Ave.	Stamford	CT	06902-1313
000/5718	44 Wright Street	Juana Carde	44 Wright St.	Stamford	CT	06902-4806
002/1834	46 Wright Street	The Stamford Hospital	30 Shelburne Rd.	Stamford	CT	06902
000/0628	50 Alden Street	Victor H. Lalanne	P.O. Box 2302	Darien	CT	06820-0302
004/5836	Lot 2 Spruce Street	The Stamford Hospital	30 Shelburne Rd.	Stamford	CT	06902
004/1235	151 Spruce Street	151-155 Spruce Street LLC	88 Indian Harbor Dr.	Greenwich	CT	06830
002/5173	145 Spruce Street	The Stamford Hospital	30 Shelburne Rd.	Stamford	CT	06902

002/2991	143 Spruce Street	Roscoe Davis	205 Thornwood Rd.	Stamford	CT	06903-2614
000/4252	144 Spruce Street	Gene Kevin Davis et al.	127 Guinea Rd.	Stamford	CT	06903-3723
002/0625	0 Hillhurst Street	The Lillie Mae Reserve LLC	30 Oak St., Suite 101	Stamford	CT	06905-5310
000/0465	15 Hillhurst Street	James F. Zurzola	46 Hunting Ln.	Stamford	CT	06902
001/9940	3 Hillhurst Street	Mario Mendez & Elis Mendez	3 Hillhurst St.	Stamford	CT	06902-4813
000/8527	1 Hillhurst Street	Mohammed Shahjahan & Sultana Begum	1 Hillhurst St.	Stamford	CT	06902-4813
002/2559	79 Finney Lane	Stamford Hospital	One Hospital Plaza	Stamford	CT	06902-3602
000/8430	71 Finney Lane	Panagiotis & Eleni Tournas	45 Thornridge Dr.	Stamford	CT	06903-5125
001/2583	72 Finney Lane	Jason Laguardia	72 Finney Ln.	Stamford	CT	06902-4828
001/2799	0 Stillwater Place	Stillwater Avenue LLC	9429 Harding Ave., Suite 321	Surfside	FL	33154-2803
001/9448	22 Stillwater Place	Rodolfo Duque	22 Stillwater Pl.	Stamford	CT	06902-4823
001/5832	16 Stillwater Place	Patricia Palkimas & Robert Mollo	54 Haviland Ct.	Stamford	CT	06903-3331
001/3866	12 Stillwater Place	Colonial Land Ltd. Ptnsp.	90 Brookdale Dr.	Stamford	CT	06903-4121
004/6015/UT-RES*	215 Stillwater Avenue #UT-RES	Housing Authority City of Stamford	22 Clinton Ave.	Stamford	CT	06901
004/6016/UT-A*	215 Stillwater Avenue #UT-A	Housing Authority City of Stamford	22 Clinton Ave.	Stamford	CT	06901
004/6017/UT-B*	215 Stillwater Avenue #UT-B	Housing Authority City of Stamford	22 Clinton Ave.	Stamford	CT	06901
004/6018/RES*	215 Stillwater Avenue #RES	Housing Authority City of Stamford	22 Clinton Ave.	Stamford	CT	06901
004/6019/A*	215 Stillwater Avenue #A	Housing Authority City of Stamford	22 Clinton Ave.	Stamford	CT	06901
004/6020/B*	215 Stillwater Avenue #B	Housing Authority City of Stamford	22 Clinton Ave.	Stamford	CT	06901
002/5969	Lot 2A Merrell Avenue	Housing Authority City of Stamford	Vidal Court**	Stamford	CT	06902-0000
000/5431	236 West Broad Street	G and T West Broad Associates LLC	66 Broad St.	Stamford	CT	06901-2314
002/6585	0 West Broad Street	G and T West Broad Associates LLC	66 Broad St.	Stamford	CT	06901-2314
002/6584	228 West Broad Street	G and T West Broad Associates LLC	66 Broad St.	Stamford	CT	06901-2314

*\*This parcel was previously identified as 004/5459. Under redevelopment as part of the Vita Health and Wellness District partnership between Stamford Hospital and Charter Oak Communities (formerly known as the Stamford Housing Authority), multiple designations were assigned.*

*\*\*Vidal Court has been redeveloped and no longer exists. Notice was sent to address shown for adjacent property at 215 Stillwater Avenue under common ownership.*



**OFFICIALS**

<b>Name</b>	<b>Title</b>	<b>Mailing Address</b>	<b>Town</b>	<b>State</b>	<b>Zip</b>
William Tong	Attorney General	165 Capitol Avenue	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
Dr. Jewel Mullen	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
Brenda Bergeron	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
Danté Bartolomeo	Interim Commissioner, Dept. of Labor	200 Folly Brook Blvd.	Wethersfield	CT	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
Patricia Billie Miller	State Senator, 27th District	Legislative Office Building, Room 2300	Hartford	CT	06106
Corey P. Paris	Representative, 145th District	Legislative Office Building, Room 4000	Hartford	CT	06106-1591
	Western Connecticut Council of Governments	1 Riverside Rd.	Sandy Hook	CT	06482
Caroline Simmons	Mayor, City of Stamford	888 Washington Blvd., 10th Floor	Stamford	CT	06901
Ralph Blessing	Land Use Bureau Chief	888 Washington Blvd.	Stamford	CT	06901
Theresa Dell	Chair, Planning Board	888 Washington Blvd.	Stamford	CT	06901
Gary Stone	Chair, Environmental Protection Board	Stamford Government Center, 888 Washington Blvd., 7th Floor	Stamford	CT	06901
David Stein	Zoning Board	888 Washington Blvd.	Stamford	CT	06901
Vineeta Mathur	Senior Planner, Land Use Bureau	888 Washington Blvd.	Stamford	CT	06901
	Executive Director/Environmental Planner, Environmental Protection Board	Stamford Government Center, 888 Washington Blvd., 7th Floor	Stamford	CT	06901



**Certificate of Mailing — Firm**

Name and Address of Sender

Kristen Grillo  
 c/o All-Points Technology Corp., P.C.  
 567 Vauxhall St. Ext., Suite 311  
 Waterford, CT 06385

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TOTAL NO.  
 of Pieces Received at Post Office™



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 R2304N117205-11

Postmaster, per (name of receiving employee)



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U.S. POSTAGE PAID  
 WESTERLY, RI  
 02891  
 JAN 28, 22  
 AMOUNT  
**\$15.51**  
 R2304N117205-11


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 (Name, Street, City, State, and ZIP Code™)

1.	Hon. William Tong Attorney General 165 Capitol Ave. Hartford, CT 06106			
2.	Katie Dykes, Commissioner Department of Energy and Environmental Protection 79 Elm St. Hartford, CT 06106-5127			
3.	Marissa Gillett, Chairperson Public Utilities Regulatory Authority 10 Franklin Square New Britain, CT 06051			
4.	Dr. Jewel Mullen, Commissioner Department of Public Health 410 Capitol Ave. Hartford, CT 06134			
5.	Susan D. Merrow, Chair Council on Environmental Quality 79 Elm St. Hartford, CT 06106			
6.	Bryan P. Hurlburt, Commissioner Department of Agriculture 450 Columbus Blvd., Suite 701 Hartford, CT 06103			



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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee
1.	Melissa McCaw, Secretary Office of Policy and Management 450 Capitol Ave. Hartford, CT 06106		
2.	Joseph Giuffetti, Commissioner Department of Transportation 2800 Berlin Tpke PO Box 317546 Newington, CT 06131-7546		
3.	David Lehman, Commissioner Department of Economic and Community Development 450 Columbus Blvd., Suite 5 Hartford, CT 06103		
4.	Brenda Bergeron, Dep. Commissioner Division of Emergency Management and Homeland Security 1111 Country Club Rd. Middletown, CT		
5.	Michelle H. Seagull, Commissioner Department of Consumer Protection 450 Columbus Blvd., Suite 901 Hartford, CT 06103		
6.	Josh Geballe, Commissioner Department of Administrative Services 450 Columbus Blvd. Hartford, CT 06103		




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Justin Adams c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385								
USPS® Tracking Number Firm-specific Identifier								
1.	Dante Bartolomeo, Interim Commissioner Department of Labor 200 Folly Brook Blvd. Wethersfield, CT 06109							
2.	Hon. Richard Blumenthal Senator 706 Hart Senate Office Building Washington, DC 20510							
3.	Hon. Chris Murphy Senator 136 Hart Senate Office Building Washington, DC 20510							
4.	Hon. Jim Himes U.S. Representative 2137 Rayburn House Office Building Washington, DC 20515							
5.	Hon. Patricia Billie Miller Senator, 27th District Legislative Office Building, Room 2300 Hartford, CT 06106							
6.	Hon. Corey P. Paris Representative, 145th District Legislative Office Building, Room 4000 Hartford, CT 06106-1591							



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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.	Western Connecticut Council of Governments 1 Riverside Rd. Sandy Hook, CT 06482					
2.	Hon. Caroline Simmons Mayor, City of Stamford 888 Washington Blvd. 10th Floor Stamford, CT 06901					
3.	Ralph Blessing Land Use Bureau Chief 888 Washington Blvd. Stamford, CT 06901					
4.	Theresa Dell, Chair Planning Board 888 Washington Blvd. Stamford, CT 06901					
5.	Gary Stone, Chair Environmental Protection Board Stamford Government Center 888 Washington Blvd., 7th Floor Stamford, CT 06901					
6.	David Stein, Chair Zoning Board 888 Washington Blvd. Stamford, CT 06901					




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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.	Vineeta Mathur, Senior Planner Land Use Bureau 888 Washington Blvd. Stamford, CT 06901					
2.	Executive Director/Environmental Planner Environmental Protection Board Stamford-Government-Center 888 Washington Blvd., 7th Floor Stamford, CT 06901					
3.	Stamford Hospital 30 Shelburne Rd. Stamford, CT 06902-3628					
4.	The Stamford Hospital 30 Shelburne Rd. Stamford, CT 06902					
5.	Stamford Hospital One Hospital Plaza Stamford, CT 06902-3602					
6.	Housing Authority City of Stamford 22 Clinton Ave. Stamford, CT 06901					



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1.	Mohammed Shahjahan & Sultana Begum 1 Hillhurst St. Stamford, CT 06902-4813						
2.	Michael Conklin & Lori Conklin 1 Rachelle Ave. Stamford, CT 06905-4826						
3.	Marek Tutak & Agata Tutak 104 Westover Ave. Stamford, CT 06902-1313						
4.	Marcos E. Alarcón & Jenny B. Calderon 106 Soundview Ct. Stamford, CT 06902						
5.	Celeste M. Scalzi 109 Carter Dr. Stamford, CT 06902-7012						
6.	William Lovello 111 McIntosh Rd. Stamford, CT 06903-1832						



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1.	Raymond Berardi 125 West Broad St. Stamford, CT 06902-3714		
2.	Gene Kevin Davis et al. 127 Guinea Rd. Stamford, CT 06903-3723		
3.	Silvio R. Suarez Tenesaca 127 West Broad St., Apt #2 Stamford, CT 06902-3781		
4.	Carmelo D'Agostino Jr. et al. 13 Glendale Dr. Stamford, CT 06906-1218		
5.	Juan N. Cruz-Barroso 131 West Broad St. Stamford, CT 06902		
6.	Lillian Meskewitz 135 W. Broad St. Stamford, CT 06902-3629		








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USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)						
1.	Clara H. Franchina 147 West Broad St. Stamford, CT 06902-3629						
2.	Russ & Sylvetta R. Hollander 167 West Broad St. Stamford, CT 06902						
3.	José A. Camacho-Pantoja 179 West Broad St. Stamford, CT 06902						
4.	Stamford Hospital 181 W. Madison St., Suite 4700 Chicago, IL 60602-4584						
5.	Yu Qing Huang 189 West Broad St. Stamford, CT 06902-3630						
6.	Jean Yves Laguerre & Franchette Laguerre 193 West Broad St. Stamford, CT 06902-3630						




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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.	Chun Min Stadel 195 West Broad St. Stamford, CT 06902					
2.	Whitfield Sadio 199 West Broad St. Stamford, CT 06902-3630					
3.	Roscoe Davis 205 Thornwood Rd. Stamford, CT 06903-2614					
4.	Lavinia F. Scordo 213 West Broad St. Stamford, CT 06902-3631					
5.	Somsanith S. Capuno & James Capuno 217 West Broad St. Stamford, CT 06902-3631					
6.	Tamus Lewis & Tamu Lewis 219 West Broad St. Stamford, CT 06902-3631					




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1.	Rodolfo Duque 22 Stillwater Pl. Stamford, CT 06902-4823		
2.	Antonio Garcia & Deyanira Garcia 233 West Broad St. Stamford, CT 06902		
3.	Mario Mendez & Elis Mendez 3 Hillhurst St. Stamford, CT 06902-4813		
4.	The Lillie Mae Reserve LLC 30 Oak St., Suite 101 Stamford, CT 06905-5310		
5.	Mary Boccuzzi 31 Wright St. Stamford, CT 06902-4805		
6.	Ulisse A. Cataldo & Anna M. Cataldo 3773 Pino Vista Way # 102 Estero, FL 33928		



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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.	Maria Aposporos 43 Sylvan Knoll Rd. Stamford, CT 06902-0000					
2.	Juana Carde 44 Wright St. Stamford, CT 06902-4806					
3.	Panagiotis & Eleni Tournas 45 Thornridge Dr. Stamford, CT 06903-5125					
4.	James F. Zurzola 46 Hunting Ln. Stamford, CT 06902					
5.	Patricia Palkimas & Robert Mollo 54 Haviland Ct. Stamford, CT 06903-3331					
6.	Jorge C. Idrovo-Suarez 6 Saint George Ave. Stamford, CT 06905-4829					




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<p><b>UNITED STATES POSTAL SERVICE®</b></p> <p>Name and Address of Sender</p> <p>Kristen Grillo c/o All-Points Technology Corp., P.C. 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385</p>	<p>TOTAL NO. of Pieces Listed by Sender</p>	<p>TOTAL NO. of Pieces Received at Post Office™</p>	<p>Affix Stamp Here <i>Postmark with Date of Receipt.</i></p> <div style="text-align: center; color: red; font-weight: bold;">             JAN 28 2022           </div>		
<p>Postmaster, per (name of receiving employee)</p>					
<p>USPS® Tracking Number Firm-specific Identifier</p>	<p>Address (Name, Street, City, State, and ZIP Code™)</p>	<p>Postage</p>	<p>Fee</p>	<p>Special Handling</p>	<p>Parcel Airlift</p>
<p>1. _____</p>	<p>G and T West Bread Associates LLC 66 Broad St. Stamford, CT 06901-2314</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>2. _____</p>	<p>Bessuet Thadal 7 Hubbard Ave. Stamford, CT 06903-0000</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>3. _____</p>	<p>Jason Laguardia 72 Finney Ln. Stamford, CT 06902-4828</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>4. _____</p>	<p>Wright Street LLC 84 Warncke Rd. Wilton, CT 06897</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>5. _____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>6. _____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>



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1.	151-155 Spruce Street LLC 88 Indian Harbor Dr Greenwich, CT 06830					
2.	Colonial Land Ltd. Ptnsp. 90 Brookdale Dr. Stamford, CT 06903-4121					
3.	Stillwater Avenue LLC 9429 Harding Ave., Suite 321 Surfside, FL 33154-2803					
4.	Victor H. Lalanne P.O. Box 2302 Darien, CT 06820-0302					
5.						
6.						

# Exhibit 9

MAYOR  
**DAVID MARTIN**



DIRECTOR OF OPERATIONS

**MARK MCGRATH**

Tel: (203) 977-4141

LAND USE BUREAU CHIEF

**RALPH BLESSING**

Tel: (203) 977-4714

**CITY OF STAMFORD**  
**ZONING BOARD**  
**LAND USE BUREAU**  
888 WASHINGTON BOULEVARD  
P.O. Box 10152  
STAMFORD, CT 06904 -2152

June 23, 2021  
Jason Klein  
Carmody Torrance Sandak Hennessey  
707 Summer Street – 3<sup>rd</sup> Floor  
Stamford, CT 06901

**RE: Application 210-06 –Stamford Hospital, One Hospital Plaza, Stamford, CT - (Proposed minor modification to the General Development Plan).**

Dear Attorney Klein,

During its regular meeting held on Monday, June 21, 2021, the Zoning Board reviewed and granted APPROVAL for your request to modify the General Development Plan to permit the installation of fuel cells on the property with the following conditions:

1. Removable bollards (no farther apart than 4 feet) shall be added in the grassy area around the fuel cells for protection from vehicles.
2. Additional landscaping shall be added as shown on the Main Campus supplemental site landscaping plan.

Your approval was based on the following documents submitted to the Zoning Board:

- Your letter outlining the request, dated June 8, 2021.
- The Zoning Board Certificate of Decision for application 210-06.
- Fuel Cell Location Plan Drawings (SE-1 & SE-2) prepared by Redniss & Mead, dated June 4, 2021.
- ‘Stamford Hospital & Tully Center Fuel Cell Installation’ PowerPoint presentation dated June 21, 2021

Please ensure that any future building / zoning permit applications include this letter and all material submitted to the Zoning Board.

Sincerely,

  
Vineeta Mathur  
Associate Planner



**LEGAL NOTICE  
ZONING BOARD – CITY OF STAMFORD**

**APPL. 210-06 (Minor Modification)** – Notice is hereby given that the Zoning Board of the City of Stamford, Connecticut at its meeting held on Monday, June 21, 2021, UNANIMOUSLY APPROVED the application of The Stamford Hospital, requesting approval to permit the installation of fuel cells on the property known as 1 Hospital Plaza, Stamford, Connecticut (the “Property”). The Property is located in the Hospital Complex Design District (the “HCD-D”).

Effective date of this Decision: July 7, 2021.

ATTEST:     DAVID STEIN  
                  CHAIR, ZONING BOARD  
                  CITY OF STAMFORD, CT

Dated at the City of Stamford, CT  
This 23<sup>rd</sup> day of June, 2021