



February 29, 2024

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Dear Council Members:

The Connecticut Municipal Electric Energy Cooperative (CMEEC) herewith submits a copy to the Connecticut Siting Council of our Forecast of Electric Loads and Resources for 2024-2033 Report as required by Section 16-50R of the Connecticut General Statutes.

Should you require any additional information, please contact me at:
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CONNECTICUT MUNICIPAL ELECTRIC
ENERGY COOPERATIVE

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FORECAST OF ELECTRIC LOADS AND RESOURCES 2024-2033

Presented to the Connecticut Siting Council
Pursuant to C.G.S. § 16-50r

March 1, 2024

Connecticut Municipal Electric Energy Cooperative
30 Stott Avenue
Norwich, Connecticut 06360

Introduction and Background

The Connecticut Municipal Electric Energy Cooperative ("CMEEEC") is a not-for-profit joint-action power supply agency empowered to finance, plan, acquire, construct, operate, repair, extend, or improve electric generation and transmission facilities and sell power at wholesale and other markets to serve the needs of the Connecticut municipal electric utilities and other electric utility systems and customers.

The CMEEEC member municipal electric utilities (collectively, the "Members" or "MEUs") are (1) Norwalk's Third Taxing District Electrical Department ("TTD"), (2) Groton Utilities ("Groton"), (3) Jewett City Department of Public Utilities ("JCDPU"), (4) Norwich Public Utilities ("NPU"), (5) South Norwalk Electric & Water ("SNEW"), and (6) Bozrah Power & Light Company ("BL&P"). The Mohegan Tribal Utility Authority ("MTUA") is also a full-requirements wholesale customer of CMEEEC. The loads of the CMEEEC Members, and the MTUA are represented on an integrated, single-system basis for purposes of ISO-New England ("ISO-NE") operations.

The joint power supply established by CMEEEC is intended to meet the diversified power supply needs of all CMEEEC's Members and customers. CMEEEC's mission is to meet these requirements reliably and at the lowest possible cost over the long term. Today, CMEEEC's portfolio consists of CMEEEC and member-owned generation, unit entitlement contracts, long-term contracts, intermediate and short-term system contracts, financial instruments, and ISO-NE market purchases.

The long-term forecast of electric demand of the CMEEEC Member utilities and customers is the primary tool used to ascertain future CMEEEC power needs and to make power supply decisions. CMEEEC files with the Council herein (reference Tables I & II). The load forecast utilizes Member and Customer hourly reconstituted demands to train regression models into which we input 15 years of historical weather data to simulate over 100 different weather scenarios' load outcomes. We utilize the 50th percentile of the weather scenarios demand outputs as a base for the CMEEEC system-wide energy, peak demand, and capacity requirements forecast. Added to the base load forecasts are Member-specific electrification demand forecasts and known new commercial/industrial customer demand forecasts with anticipated load-serving start dates. Member electric vehicle and heat pump rebate program data are used to scale adoption rates of the different technologies for the electrification demand forecasts. CMEEEC's Members have seen modest growth in residential rooftop solar deployments and EVs. Heat pumps remain a very popular rebate program in all the Member territories. Many of our member territories report high levels of rental units which keeps large segments of our Member's customer base from being able to decide to switch to residential rooftop solar or electric vehicles. CMEEEC's system energy requirement average annual compound growth rate for 2024 - 2033 is projected to be 0.72%.

For this year's load forecast update, commercial and industrial customer demand shifts include shifting load expectations at Norwich's industrial customer Solar Seal, demand forecasts at the site have been cut by more than half since last year's filing. Norwich's 2 scheduled marijuana grow facilities mentioned for last year's filing had operational dates pushed back and load expectations adjusted down. At the Groton Electric Boat site, in support of the Columbia-class

submarine program, the new South Yard Assembly Building has been completed and EB is projecting a workforce upsizing. The monthly energy requirements for Electric Boat are expected to increase by 50%, and with the first segment of a Columbia-class submarine being delivered to GDEB Quonset Point RI facility in January of 2024, the load growth at the Groton EB facility has so far matched expectations and we are currently forecasting the full demand increase to materialize in Q4 2024 / Q1 2025. The New London SuBase 10,800 kW load following Natural Gas facility as mentioned in last year's filing went commercial in January of 2023 and has been operating for over a year.

Information Required by Section 16-50r(a)

The following material and tables are in the specific itemized requirements of Sec.16-50r of the General Statutes and are provided on behalf of CMEEC and its Members and customers. Items (1) through (8) listed below correspond to the numbers included in that section.

(1) Provide a tabulation of estimated peak loads, resources, and margins for each year (of the forecast period):

Table I shows forecasted energy and demand for the period as well as data on summer and winter peak demands. Table II reflects the forecasted annual peak demands for the 2023-2033 periods for both the 50/50 forecast as well as the 90/10 extreme condition forecast.

CMEEC is a participant in ISO-NE and meets its net power needs primarily through the ISO-NE market system. CMEEC also maintains power and related resources delivered to the Markets. Market resources over the forecast period include NYPA and Hydro Quebec ICAP credits (20 - 30 MW), and Conservation & Load Response ICAP Credits (5 MW). CMEEC also maintains 50 MW of distributed generator resources (Table IV [3] for breakdown).

(2) Provide data on energy use and peak loads for the five preceding calendar years:

Historical aggregated energy use and peak loads for the six-member CMEEC system and the MTUA are provided in Table III.

(3) Provide a list of existing generating facilities in service:

Existing generating facilities owned by CMEEC and CMEEC's Members and other project participants are listed in Table IV. The mix of existing generating facilities and system power agreements that serve the CMEEC system are listed in Table V. Anticipated retirement dates of CMEEC Member generating facilities are listed in Table VI. Member cogeneration and small power production facilities are listed in Table VII.

- (4) Provide a list of scheduled generating facilities for which property has been acquired, for which certificates have been issued, and for which certificate applications have been filed:**

There are no planned CMEEC-owned generating facilities responsive to this question.

- (5) Provide a list of planned generating units at plant locations for which property has been acquired or at plant locations not yet acquired that will be needed to provide estimated additional electric requirements:**

There are no planned CMEEC-owned generating units responsive to this question.

- (6) Provide a list of planned transmission lines on which proposed route reviews are being undertaken or for which certificate applications have already been filed.**

There are no planned CMEEC or Member-owned transmission lines under route review or for which certificate applications have been filed.

- (7) Provide a description of the steps taken to upgrade existing facilities and to eliminate overhead transmission and distribution lines in accordance with the regulations and standards described in Section 16-50t.**

Several projects are recently completed, underway or in various stages of completion in the CMEEC Member service territories, which are summarized below.

South Norwalk Electric & Water (SNEW) continues to see growth in electric sales due to residential and commercial construction projects in South Norwalk. Growth was anticipated when SNEW put in service a new dual-feed PTF level substation in 2014 to serve all its load. These construction projects provide SNEW with the opportunity to make improvements to the electric distribution system by replacing near end-of-life cables, connectors, poles, and switches. In 2022, SNEW completed the replacement of all its remaining sodium vapor/LED ornamental style streetlights with new lower wattage 2700k LED lights. SNEW continued the replacement of deteriorated poles and made numerous upgrades to underground facilities which included the replacement of cable and switches. SNEW's system remained resilient through 2023 due to an extensive tree trimming and tree removal program along with installing additional wildlife protection on pole-mounted transformers. In 2023 SNEW will continue to survey and replace deteriorated poles and make system improvements to the overhead and underground systems. The underground distribution system upgrade plan is to have all end-of-life submersible transformers replaced by 2026. SNEW will continue the replacement of aging underground SF6 gas switches. Overhead system reliability will be improved by adding fuse protection, along with closely monitoring tree trimming requirements.

East Norwalk (TTD) East Norwalk (TTD) put in service a new PTF-level substation in December 2013 (Fitch 47R) which is the subject of CSC DN 426. This project addressed long-standing reliability issues, replacing the distribution voltage level underground power supply to TTD installed in 1946 with a dual-feed bulk power supply directly from the high voltage grid. This project has allowed TTD to satisfy load growth within their system and improve the overall power supply resiliency of SWCT. TTD's Supervisory Control and Data Acquisition (SCADA) system monitors TTD's transmission system and allows for control of distribution substations. This system will accommodate future expansion and ensure compliance with NERC/NE-ISO regulations.

Norwich Public Utilities (NPU) continues to upgrade its remaining 4.8kV distribution system to 13.8kV which will provide a number of benefits:

- increasing efficiency by reducing system losses;
- improving reliability through better voltage conditions and newer equipment; and
- reducing operating costs.

NPU upgrades also include installing insulated spacer cable to increase system resiliency which NPU estimates could substantially reduce power outages.

All NPU substations, generating stations and several distribution switches are monitored and controlled in the utility's Control Room via a SCADA system supported by NPU's fiber optic network. NPU's Control Room is staffed 24 hours per day, seven days per week. NPU's AMI "smart" meters are integrated with its Outage Management System to provide its Control Room with real-time information on power outages across its system for improved outage response and more efficient storm management.

NPU continues to replace aging electro-mechanical relays and controls with new PLC-based control relays. Additionally, NPU continues to replace distribution switches and fuses with motor operated devices and reclosers that can be integrated with its SCADA system. These upgrades increase the reliability of NPU substations, distribution feeders, and generators while providing more automation and system information to the NPU Control Room.

The Greenville Dam and Occum Dam fish passages both operated safely during 2023. NPU works closely with the State of Connecticut's Department of Energy and Environmental Protection (DEEP) on fish and eel passages, a pit tagging program, and shad trucking to promote the migration of shad to new spawning grounds.

The Occum Dam continues to pass American Shad with NPU's annual efforts monitored by DEEP. NPU's Greenville and Occum Dams are certified by the Low Impact Hydro Institute (LIHI) and continue to accrue renewable energy certificates (RECs) while providing reliable base-load clean electricity to NPU customers.

Jewett City Department of Public Utilities (JCDPU) is continuing the upgrading of its distribution network in an intended development of long-range system expansion and as part of this effort, any business or residential expansion would involve underground cable

installation. The new Senior Center and the newly constructed apartment complex (Pleasant View Estates) were both newly constructed underground installations. All JCDPU customers are now served through smart meters. Jewett City recently completed the overhaul of its backup substation, and this work will go towards increasing the reliability within its service territory. Jewett City DPU is beginning the task of correcting a Load Power Factor deficiency and this work will extend out in time (due to the financial impacts of the COVID-19 pandemic) for the next year or two (expected to be complete by the end of 2025).

Groton Utilities continues its ECT-related upgrades with a projected end date of August 2024 (see Connecticut Siting Council Petition #1436) having had received citing council extension through December 2024. GU also continues upgrades to Buddington station (Connecticut Siting Council Petition #1534) to match the 100/400-line voltage upgrades. Two new sub-transmission lines were installed as part of a 340- and 306-line extension, which included all new utility poles. A new neutral wire was installed along Route 12 and the aerial neutral was removed. Groton Utilities reconductored the Thomas Rd. underground cable fed from the Avery Point Feeder. A new underground backup feed on Antonino Dr. was installed in an office building on Route 184. Groton Utilities installed a new overhead primary and some underground to replace the old underground conduit and cable. Old capacitor banks were removed in various locations. Groton Utilities installed a new underground primary service to a school along with a 300kVA transformer in addition to the installation of a new feeder at the Water Treatment Plant. Substation battery banks and chargers were replaced at two (2) substations.

Bozrah Light and Power (BL&P) Installed new primary service including elbows and terminators at Norwich Avenue. New poles were installed and set along Route 82. BL&P also increased the transformer size served off this circuit from 300kVA to 750kVA for an industrial customer in Bozrah.

As part of a four-year maintenance program, Groton Utilities and BL&P perform the following: relay cleaning and testing, substation breaker maintenance, infrared scanning that looks for loose connections and faulty connectors, transformer testing, and vegetation control.

Groton Utilities and Bozrah Light & Power continue to replace glass cutouts. Nearly all meters on the BL&P and Groton circuits are now AMI. The remaining commercial, industrial, and old meters will be replaced in the next few years. The number of power interruptions due to tree contacts is on the decline due to extensive tree trimming. Two tree trimming crews work 5 days per week for the entire fiscal year. Both tree trimming crews are hard at work reducing the potential of power interruptions by removing trees and tree branches away from power lines on primary, sub-transmission, and secondaries. They have done some trimming at the ground level near the transmission circuits.

- (8) For each private power producer having a facility generating more than one (1) megawatt, and from whom CMEEC has purchased electricity during the preceding calendar year, provide a statement including the name, location, size,**

and type of generating facility, the fuel consumed by the facility, and the by-product of the consumption:

Generally, the customers in CMEEC Member's service areas who have generating capacity greater than 1 MW retain the power for ongoing internal utilization and/or load management. Table VII includes on-site generation capability at customer locations within the municipal service territories for which CMEEC or the member municipal utility has arrangements in place to purchase some or all the power output.

**TABLE I
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024**

10-Year Forecast of Member and Customer Energy Requirements and CMEEC Peak Demand [1]
2023 - 2033

<u>Year</u>	<u>Groton MWh</u>	<u>Norwich MWh</u>	<u>Jewett City MWh</u>	<u>East Norwalk MWh</u>	<u>South Norwalk MWh</u>	<u>Bozrah MWh</u>	<u>AirGas MWh</u>	<u>Mohegan Tribal Utility Authority MWh</u>	<u>CyrusOne MWh</u>	<u>System Energy Requirements Met by CMEEC MWh</u>	<u>CMEEC Summer Coincident Peak Demand MW</u>	<u>CMEEC Winter Coincident Peak Demand MW</u>	<u>Load Factor %</u>
2023	357,790	281,722	24,724	58,425	103,205	54,831	154,250	124,140	9,481	1,168,568	217.47	188.21	61.3
2024	364,900	289,712	25,338	60,600	106,690	56,444	162,397	125,390	12,268	1,203,737	205.81	182.73	66.8
2025	378,715	293,345	25,381	60,622	106,765	56,409	162,624	125,147	12,316	1,221,323	208.22	187.66	66.8
2026	402,322	293,734	25,398	60,654	106,814	56,440	162,624	125,156	12,316	1,245,458	207.86	185.48	68.4
2027	402,449	293,869	25,434	60,695	106,892	56,485	162,628	125,161	12,316	1,245,928	205.70	186.97	69.1
2028	403,680	294,502	25,543	60,909	107,255	56,676	162,991	125,459	12,349	1,249,363	204.30	190.51	69.8
2029	403,926	295,027	25,577	61,011	107,421	56,751	162,991	125,512	12,483	1,250,699	204.20	190.60	69.7
2030	404,173	295,552	25,610	61,113	107,586	56,826	162,991	125,565	12,617	1,252,034	204.09	190.70	70.0
2031	404,420	296,077	25,644	61,215	107,752	56,901	162,991	125,618	12,751	1,253,369	203.99	190.79	70.1
2032	404,667	296,602	25,677	61,317	107,918	56,977	162,991	125,671	12,885	1,254,704	203.89	190.88	70.2
2033	404,913	297,127	25,711	61,419	108,084	57,052	162,991	125,724	13,019	1,256,040	203.79	190.97	70.4

AACGR %
Increase 2023 - 2033

1.24%

0.39%

0.50%

0.46%

0.55%

0.13%

3.22%

0.72%

-0.65%

0.15%

[1]

Totals are the sum of kilowatt-hours rounded to the nearest megawatt hour (MWh).

Table II
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024

Summary of CMEEC Peak Forecasts [1]
2024 - 2033

<u>Year</u>	<u>50/50 Peak Forecast</u>	<u>90/10 Peak Forecast</u>
2024	205.81	229.90 / 188.45
2025	208.22	231.34 / 190.82
2026	207.86	230.07 / 189.96
2027	205.70	229.28 / 190.26
2028	204.30	228.21 / 188.68
2029	204.20	228.27 / 189.02
2030	204.09	228.34 / 189.36
2031	203.99	228.41 / 189.70
2032	203.89	228.48 / 190.04
2033	203.79	228.55 / 190.38

[1] CMEEC developed the 50/50 forecast and the 90/10 forecast using the same statistical approach of simulating historical weather as inputs to hourly models for each Member/Customer and then aggregating the results to arrive at the CMEEC forecasted annual peaks.

Table III
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024

Historical Energy Use and Peak Load
2019 - 2023

<u>Year</u>	<u>CMEEC Coincident Peak Load (MW)</u>	<u>CMEEC Energy (MWh)</u>	
2019	220.80	1,231,632	[1]
2020	231.31	1,220,064	
2021	231.10	1,238,784	
2022	233.64	1,256,087	
2023	217.47	1,168,568	

[1] CMEEC Coincident Peak for 2019 in 2023's filing for 2022 had Mass. Aggregation load included, this year it was taken out for a more consistent comparison. CMEEC has not served aggregation load since October 2019.

Table IV
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024

Existing Generation Facilities Owned By
CMEEC and its Members

<u>Generating Facility</u>	<u>Winter Rating (MW)</u>	<u>Summer Rating (MW)</u>
Norwich Waste Water Treatment (Oil-Fired)	2.00	2.00
Norden 1 (Oil-Fired) [1]	2.00	2.00
Norden 2 (Oil-Fired) [1]	2.00	2.00
Norden 3 (Oil-Fired) [1]	2.00	2.00
Norwich Second Street (Hydro)	[2]	[2]
Norwich Tenth Street (Hydro)	[2]	[2]
Norwich Occum (Hydro)	[2]	[2]
MicroGen Units (Oil-Fired) [3]	50.00	50.00

[1] These facilities are planned to be retired effective 8/1/2024.

[2] Winter and summer ratings are based on average river flow conditions. The nameplate rating for the Second Street hydro station is 0.95 MW. The nameplate rating for the Tenth Street hydro station is 1.40 MW. The nameplate rating for the Occum hydro station is 0.80 MW. These hydro units remain a resource of the Norwich Department of Public Utilities. The generations of these hydro units are used by Norwich to directly offset Norwich load.

[3] Represents the CMEEC MicroGen Units which are currently commercially operating. Seven (7) 2.50 MW units are located in Groton service territory, two (2) 2.50 MW units are located in Norwich, one (1) 2.50 MW unit is located in Jewett City, two (2) 2.50 MW units are located in Lebanon, CT, four (4) 2.50 MW units are located at the Mohegan Tribal Utility Authority and four (4) 2.50 MW units located at Backus Hospital in Norwich.

Table V
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024

Mix of Existing Generation - CMEEC Resources

<u>Unit Designation</u>	<u>In-Service Date</u>	<u>Net Winter Capacity (In MW) [1]</u>	<u>CMEEC Share (MW)</u>	<u>Net Summer Capacity (In MW) [2]</u>	<u>CMEEC Share (MW)</u>	<u>CMEEC Percent of Unit (%)</u>
<u>Long-Term System & Asset Contracts [3]</u>						
Base System Purchase		58.66	58.66	42.71	42.71	
On-Peak System Purchase		11.25	11.25	10.00	10.00	
Total System Contracts		69.91	69.91	52.71	52.71	
<u>Municipal Generation</u>						
Norwich Waste Water Treatment	2008	2.00	2.00	2.00	2.00	100%
Norden 1	2009	2.00	2.00	2.00	2.00	100%
Norden 2	2009	2.00	2.00	2.00	2.00	100%
Norden 3	2009	2.00	2.00	2.00	2.00	100%
CMEEC's MicroGen Units [4]	2010	50.00	50.00	50.00	50.00	100%
Tesla Solar Farms [5]	2017	13.43	13.43	13.43	13.43	100%
Tesla Battery Storage [6]	2017	1.50	1.50	1.50	1.50	100%
Submarine Base Fuel Cell	2022	7.00	7.00	7.00	7.00	100%
Total Municipal Generation		79.93	79.93	79.93	79.93	
Total CMEEC CAPACITY RESOURCES			299.68		265.28	
<u>Other Resources</u>						
NYPA Hydro (Firm & Peaking) [7]			13.30		13.30	NA
Short-Term Purchases [8]			Varies		Varies	NA

[1] Represents NEPOOL Winter Maximum Claimed Capability.

[2] Represents NEPOOL Summer Maximum Claimed Capability.

[3] System Purchases, Contract Purchases & Unit Entitlement Purchases from several counterparties.

[4] Represents the CMEEC MicroGen Units which are currently commercially operating. Seven (7) 2.50 MW units are located in Groton, six (6) 2.50 MW units are located in Norwich, four (4) 2.50 MW units are located at the Mohegan Tribal Utility Authority, two (2) 2.50 MW units are located in Lebanon, and one (1) 2.50 MW unit is located in Jewett City. These resources will be used for demand reduction purposes are not anticipated to be enrolled in the ISO New England markets.

[5] Represents solar farms that are contracted through Tesla and are currently commercially operating. 6.00 MW is located in Norwich, 4.93 MW is located in Groton, and 2.50 MW is located in Bozrah.

[6] Represents battery storage that is contracted through Tesla and is currently commercially operating. 0.75 MW is located in Norwich and 0.75 MW is located in Groton.

[7] Represents maximum hourly contract deliveries to CMEEC. New York Power Authority (NYPA) hydro purchases began July 1, 1985. Energy contributions from NYPA are considered to be firm contracts and used to reduce electric requirements thereby reducing CMEEC Capability Responsibility in NEPOOL.

[8] The MW amounts shown for ShortTerm Purchases vary from month to month from 0 MW to 50 MW through December 2024.

Table VI
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024

Anticipated Unit Retirement Dates

<u>Conventional Hydro</u>	<u>Retirement Date</u>
Norwich Tenth Street Hydro	Not Scheduled
Norwich Second Street Hydro	Not Scheduled
Norwich Occum Hydro	Not Scheduled
<u>Peaking</u>	
Norwich Combustion Turbine [1]	11/1/2023
Norwich Waste Water Treatment	Not Scheduled
Norden 1	8/1/2024
Norden 2	8/1/2024
Norden 3	8/1/2024

[1]

Represents CMEEC current joint-ownership share. The full capability of the Norwich combustion turbine unit is under contract to CMEEC. The facility was officially retired with ISO-NE as of 11/1/2023.

Table VII
CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE (CMEEC)
As of March 1, 2024

Cogeneration & Small Power Production Facilities
Greater than 1 MW in Total Size & from which CMEEC and/or its Members Purchase Power

<u>Facility Name</u>	<u>Facility Type</u>	<u>Facility Location</u>	<u>No. Of Units</u>	<u>Prime Mover</u>	<u>Fuel Type</u>	<u>Summer & Winter Capacity</u>	<u>Year of Commercial Operation</u>
<i>Groton Utilities</i>							
Pfizer, Inc.	Cogen [1]	Groton CT	3	Steam Turbine	Steam (NG BOILERS)	37,040 kW	1993, 2001, 2009
Pfizer, Inc.	Gas Turbine	Groton CT	1	Gas Turbine	Gas / #2 Oil	10,000 kW	2008
Pfizer, Inc.	Fuel Cell	Groton CT	2	Fuel Cell	Natural Gas	7,400 kW	2017
GFSE	Fuel Cell [2]	SUBASE NLON Groton CT	2	Fuel Cell [2]	Natural Gas	7,400 kW	2022
Tesla's Trident Farm [3]	Solar Farm	Groton CT		Solar Panels	Solar Photovoltaic	1,000 kW	2017
Tesla's Pelican Farm	Solar Farm	Groton CT		Solar Panels	Solar Photovoltaic	1,000 kW	2017
Tesla's Polaris Farm	Solar Farm	Groton CT		Solar Panels	Solar Photovoltaic	3,500 kW	2018
<i>Bozrah Light and Power</i>							
Tesla's Brush Hill Farm	Solar Farm	Bozrah CT		Solar Panels	Solar Photovoltaic	2,500 kW	2016
<i>Norwich Public Utilities</i>							
Tesla's Scott Avenue Farm	Solar Farm	Norwich CT		Solar Panels	Solar Photovoltaic	3,500 kW	2017
Tesla's Rogers Road Landfill Farm	Solar Farm	Norwich CT		Solar Panels	Solar Photovoltaic	1,500 kW	2017
Tesla's Rogers Road Greenfield Farm	Solar Farm	Norwich CT		Solar Panels	Solar Photovoltaic	1,000 kW	2017

[1] The customer retains most of the power from each of these facilities; CMEEC purchases excess output.

[2] Fuel Cells are located at the Subbase New London on property leased by CMEEC from the Navy and has been declared commercial effective December 16, 2022. Their output is fully subscribed to by CMEEC, however the output can be dedicated in island mode to serve the Subbase during grid emergencies.

[3] Please note that all Tesla projects listed above are currently subject to a contractual dispute.