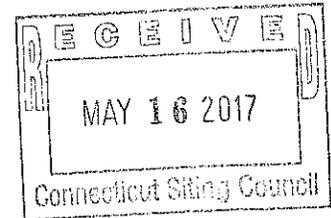




May 15, 2017



Ms. Melanie Bachman  
Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

ORIGINAL

RE: F-2016/2017 Response to CMEEC Pre Hearing Interrogatories

Dear Ms. Bachman:

The Connecticut Municipal Electric Energy Cooperative (CMEEC) herewith submits an original and twenty (20) copies to the Connecticut Siting Council in response to Interrogatories 1 through 6 dated April 10, 2017 from the Connecticut Siting Council in conjunction with Docket No. F-2016/2017 Connecticut Siting Council 2017 Ten-Year Forecast of Electric Loads and Resources.

Should you require any additional information, please advise us.

Very truly yours,

CONNECTICUT MUNICIPAL ELECTRIC  
ENERGY COOPERATIVE

A handwritten signature in black ink, appearing to read "DR Rankin".

Drew Rankin  
Chief Executive Officer

CJC/

Enclosures



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Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

Q-CSC-1-CMEEC

Provide the predicted (not actual) 50/50 forecast loads for 2007 through 2016 from The Connecticut Municipal Electric Energy Cooperative's (CMEEC) 2007 forecast report\*. Also provide CMEEC's weather-normalized historical peak loads for 2007-2016\*.

"Reductions or adjustments to remove the effects of Wallingford's data towards the end of that forecast period may be made as appropriate.

A-CSC-1-CMEEC

Please find attached the table below which contains CMEEC's actual projected peak loads which were submitted to the Connecticut Siting Council on March 1, 2007 and the associated weather normalized peak demands for the period 2007-2016. Please note the values shown for 2014-2016 EXCLUDE the effects of Wallingford's data.

	<b>Predicted Peak Demand</b>	<b>Weather Normalized Peak Demand</b>
<b>2007</b>	394	392
<b>2008</b>	401	401
<b>2009</b>	414	380
<b>2010</b>	421	378
<b>2011</b>	426	391
<b>2012</b>	429	387
<b>2013</b>	432	392
<b>2014</b>	281	265
<b>2015</b>	283	251
<b>2016</b>	286	243

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

Q-CSC-2-CMEEC

Explain the methodology of how the historical actual peak load data are converted to weather normalized historical peak load data.

A-CSC-2-CMEEC

CMEEC has developed a time-series based regression model that includes variables that measure the relationship between monthly peak loads and actual weather conditions on the peak day. To develop the weather-normalized historical peak loads, CMEEC replaces the actual peak day weather conditions with "normal" peak day weather conditions. Normal peak day weather is based on an analysis of weather data from the last 20 years. This is the same methodology which CMEEC has utilized for many years.

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

Q-CSC-3-CMEEC

Provide a break-down of the projected number of megawatts (MW) of load reduction for CMEEC's territory due to conservation, load response/load management and distributed generation (if applicable) for each year from 2017 through 2026. If possible, also include a similar estimated break-down by megawatt hours or gigawatt-hours.

A-CSC-3-CMEEC

The annual demand peaks listed in the table immediately following reflects the CMEEC system peak, which is not necessarily coincident with the ISO-NE regional peak.

All conservation reductions are cumulative capabilities, meaning, for the specific year, CMEEC projects the ability to realize those reductions levels in total. As was the case in recent forecasting dockets, CMEEC believes these tables reflect the intent of the filing and clearly quantifies our active and projected capability based on both measures deployed and those planned to be deployed.

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

<b>Demand and Capability, measured In Megawatts</b>				
	<b>Annual Peak Demand</b>	<b>Conservation Demand Reductions</b>	<b>Load Response/Management Demand Reductions *</b>	<b>Distributed Generation Capability</b>
<b>2017</b>	231	12	17	50
<b>2018</b>	228	12	17	50
<b>2019</b>	227	13	17	50
<b>2020</b>	226	14	17	50
<b>2021</b>	224	15	17	50
<b>2022</b>	223	16	17	50
<b>2023</b>	222	17	17	50
<b>2024</b>	220	19	17	50
<b>2025</b>	219	21	17	50
<b>2026</b>	218	23	17	50

\* CMEEC MEU's have 48 MW of customer load under "dynamic pricing" arrangements which we are expecting to deliver 17 MW of customer load reductions which have been factored into the forecast.

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

<b>Energy, measured In Megawatt hours</b>				
	<b>Annual Projected Energy – net of conservation reductions</b>	<b>Conservation Energy Reductions</b>	<b>Load Response/Management Energy Reductions</b>	<b>Distributed Generation Energy Reductions</b>
<b>2017</b>	1,272,487	174,157	Minimal annual energy reductions anticipated	Minimal annual energy reductions anticipated
<b>2018</b>	1,263,478	191,687		
<b>2019</b>	1,256,332	209,217		
<b>2020</b>	1,249,280	226,747		
<b>2021</b>	1,241,653	244,277		
<b>2022</b>	1,234,125	261,807		
<b>2023</b>	1,226,642	139,097		
<b>2024</b>	1,219,205	156,627		
<b>2025</b>	1,211,813	156,627		
<b>2026</b>	1,204,466	156,627		

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

- Q-CSC-4-CMEEC            Provide the basic underlying assumptions associated with the distributed generation DG included in the 2017 CMEEC Forecast.
- A-CSC-4-CMEEC            Please refer to CMEEC's response to Interrogatory CSC-3. The projected distributed generation DG for the 2017-2026 forecast periods is reflected in the Demand Table. The 2017 value of 50 MW represents the total distributed generation currently located and in service in CMEEC's Members/Participants service territories.

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

Q-CSC-5-CMEEC

Does CMEEC's 2017 Forecast include any additions due to possible loads and/or electrical energy consumption from electric vehicles? If yes, provide any assumptions made regarding electric energy consumption by electric vehicles (EV). Include the number and types of EVs assumed, projected number of vehicles in use, power and energy consumption per vehicle associated with charging, etc.

A-CSC-5-CMEEC

No, CMEEC's 2017 Forecast does not include any explicit additions or adjustments due to possible loads and/or electrical energy requirements from electric vehicles. At this point none of the municipal electric utilities has identified any major new customer loads that would be attributed to electric vehicle charging. The identification of these new customers in conjunction with the results of time-varying rate pilots and/or planned deployment of automated metering infrastructure would form the basis by which CMEEC would be able to produce a discrete electric vehicle forecast for our Members/Participants.

Witness Responsible: Charles J. Carpinella

RESPONSE TO CSC DATA REQUEST Dated April 10, 2017

Q-CSC-6-CMEEC

Referencing CMEEC's 2017 Forecast, provide Footnote 7 from Table V that refers to "Community Solar Gardens."

A-CSC-6-CMEEC

The footnote for Community Solar Gardens item 7 should read as follows. The fifteen (15) MW reflect the total amount of solar capacity that CMEEC anticipates being commercially operational by the end of 2017. As of March 1, 2017, two units, 2.50 MW each were operational, one located in Norwich and another in Bozrah. An additional solar facility (2.5 MW) became operational during in Norwich in late March 2017. The remaining solar units are anticipated to be operational by the end of the summer 2017.