August 28, 2015

Mr. Robert Stein
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket No. 461 - CSC 461 Greenwich Substation and Line Project

Dear Mr. Stein:

This letter provides the response to requests for the information listed below.

Response to OCC-01 Interrogatories dated 08/18/2015
OCC-002 *, 007, 017

Very truly yours,

John Morissette
Project Manager
Siting
As Agent for CL&P
dba EversourceEnergy

cc: Service List

* This response is proprietary and confidential and is available only to signatories of the nondisclosure agreement.

Witness: **Witness Panel**
Request from: **Office of Consumer Counsel**

Question:
Provide a detailed breakdown by FERC account of the estimated cost of the Project preparation and construction by year, and in total, from start to completion. Include an illustration of the Company's calculation of its weighted average cost of capital ("WACC"), and provide a narrative concerning the basis for provisions the Company has made for contingencies.

Response:
Please see confidential Attachment 1 -pages 2, 3 and 4, for the detailed breakdown by FERC account of the estimated cost of the Project preparation and construction by year, and in total, from start to completion.

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Witness: **Witness Panel**
Request from: **Office of Consumer Counsel**

Question:
Reference Application, p. E-5, Table E-1. Using the same categories for load and transformers, provide a revised Table E-1 with the following information added:
a. Actual peak usage numbers for 2004 through 2014.
b. If applicable, a revised 2015 peak usage estimate based on year-to-date actuals.
c. The actual annual average number of end-use customers served via the Cos Cob Substation ("Cos Cob") 27.6 kV load, by transformer number, for 2004 through 2014, and the estimated number of customers for 2015 through 2023.
d. An explanation of how the forecast of customers and peak usage was developed. Include a description of how the Company gathers data on potential new customers, and customers leaving the area.
e. A customer profile(s) for the 27.6 kV load. Include information on how the end use customers use the service, e.g., residential, retail, hedge fund research, seasonal usage variations, etc., and the number of customers in each category.
f. Total annual usage by transformer category.

Response:
a. and b. Table below is the actual peak usage in 2004 through 2014 and the revised 2015 peak usage estimate.

				Cos Cob 11R 27.6 kV System Peak (MVA)		
Transformers	2004	2005	2006	2007	2008	
11R-1X	21.2	27	26.6	25.7	23.5	
11R-2X+3X	75.6	91	98.4	90.4	88.6	
Total MVA	96.8	117.9	125	116.1	112.1	

				Cos Cob 11R 27.6 kV System Peak (MVA)		
Transformers	2010	2011	2012	2013	2014	
11R-1X	19.1	24.3	30.4	26.8	22.4	
11R-2X+3X	100.6	97.5	97.8	103.7	85.3	
Total MVA	119.7	121.8	128.2	130.5	107.7	

Note. The 2015 value does not include August peak data

c. The table below shows the total number of customers presently served by the Cos Cob 27.6 kV transformers. There is no data available prior to 2015. The Company does not keep records of the number of customers historically served. The 2X and 3X transformers operate in parallel therefore the total numbers of customers are shared by both.

	Number of Customers		
Transformer	Prior 2015	2015	Projected beyond 2015
Cos Cob 1X	N/A	2492	N/A
Cos Cob 2X+3X	N/A	12741	N/A

Note: Cos Cob 2X and 3X transformer operate in parallel.
N/A= not available

d. Refer to Set CSC-01, Q-CSC-012.

e. The table below shows the total number of customers presently served by the Cos Cob 27.6 kV system. There is no data available prior to 2015. The Company does not keep records of the number of customer historically served.

Number of customers fed by the Cos Cob 27.6 kV in 2015			
Revenue Class	Number of Customers	Revenue Rate	Billing Rate Class
COMMERCIAL-HEATING	53	31	30, 35, 37, 40, 41
COMMERCIAL-NON HEATING	1,660	30	30, 35, 37, 40, 41
INDUSTRIAL/MANUFACTURING	10	50	55, 56 , 57, 58
RESIDENTIAL SPACE HEATING	997	11	5
RESIDENTIAL-NON HEATING	12,513	10	1
Grand Total	**15,233**		

f. The table shows the annual energy supplied by the Cos Cob substation 27.6-kV transformers.

See attachment.

	Cos Cob Annual KWhr										
Transformers	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**
1X	80,079,528	100,009,797	90,646,508	106,486,133	103,434,140	74,350,379	42,141,562	84,643,962	68,405,507	101,597,185	116,916,682
2X	193,576,366	100,009,797	194,745,479	188,300,522	177,643,359	38,115,048	81,554,502	207,061,523	198,172,937	187,447,565	178,434,095
3X	192,831,235	196,392,746	192,186,406	195,881,760	175,623,897	141,332,636	78,581,166	187,107,485	198,309,107	186,048,912	175,138,406

Witness: **Witness Panel**
Request from: **Office of Consumer Counsel**

Question:
Provide the numbers of customers served out of the Cos Cob substation load who fit in the following categories: enrolled in the ISO-NE demand response program; have installed combined heat and power systems; have at least part of their energy needs supplied by a fuel cell; have at least part of their energy needs supplied by a solar energy system.

Response:
As of July 31, 2015, the number of customers served out of the Cos Cob Substation load in the requested categories are as follows:

ISO-NE Demand Response	1
Combined Heat and Power Systems	8
Fuel Cells	0
Solar energy systems (PV)	122