March 7, 2016

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 HD-03 Late Filed Exhibits dated 01/14/2016
LF-020-RV01

Very truly yours,

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

cc: Service List

Witness: **Witness Panel**
Request from: **Connecticut Siting Council**

Question:
Add 2015 numbers to the tables in responses OCC-046 and OCC-030.

Response:
See attached OCC-030 table with revised 2015 annual usage for Cos Cob 27.6 kV. The revised 27.6-kV usage amount for 2015 and associated footnote are shown in bold font.

Annual substation usage in kWhrs:							
Substation	**kV**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Cedar Heights	13.2	252,538,354	260,944,592	254,762,596	257,755,708	253,326,890	256,114,310
Compo	13.8	164,342,208	167,467,549	164,377,521	152,834,074	137,954,214	102,809,653
Cos Cob 13.2kV	13.2	78,876,428	97,949,602	60,304,797	92,810,721	96,711,098	96,009,760
Cos Cob 27.6kV	27.6	[b]202,277,230	478,812,970	464,887,551	475,093,662	470,489,183	[c]**484,235,481**
Darien	13.2	220,102,426	225,712,211	221,916,108	228,480,872	228,330,012	230,296,859
Flax Hill	27.6	0	7,789,511	177,817,056	189,487,160	120,516,185	718,525
Flax Hill	13.8	187,743,289	202,163,592	156,631,445	23,995,516	204,911,412	[a]165,500,893
Glenbrook	13.2	442,448,193	452,708,021	340,942,253	315,285,263	327,750,141	316,085,301
Norwalk	13.8	211,989,009	248,893,934	171,125,847	214,140,754	250,119,159	245,057,210
Norwalk	27.6	424,143,475	391,927,586	373,042,507	365,591,958	296,691,258	308,624,152
Norwalk	4.8	22,780,354	21,849,941	21,018,911	21,018,911	20,113,730	22,561,088
Peaceable	13.8	117,227,086	116,230,728	113,594,216	118,980,388	96,008,094	61,002,282
Sherwood	13.8	0	0	264,830	13,663,592	69,500,054	136,495,527
South End	13.2	416,524,653	406,507,510	400,473,716	412,733,007	525,197,607	515,644,436
Tomac	27.6	155,018,137	125,598,885	129,840,849	139,940,888	129,800,102	129,558,666
Waterside	13.2	251,323,803	371,253,751	425,073,552	443,615,310	434,111,092	446,008,374
Weston	27.6	162,636,532	163,201,827	157,677,129	161,737,855	141,921,015	92,233,182
Wilton	13.8	315,304,621	319,181,060	308,149,151	343,256,474	395,852,198	393,270,007

Notes:

a) No data collected between November and December, 2015

b) The lower amount in usage in 2010 is attributed to a substation upgrade project that resulted in the meters not communicating properly due to the multiple open breakers during the project, which affected the data collecting of the meters.

c) In the course of preparing for the Council's March 10, 2016 hearing, the Eversource team discovered that the 2015 annual substation usage in kWhrs for Cos Cob 27.6 kV did not include any usage for the 11R-1X transformer on the 27.6-kV bus from September 13 through November 1 of 2015, even though the 11R-1X transformer was operating and serving load during that period. Eversource has meters that record and send these collected data points via communication lines to a database, where they are stored for future use. Presently, there is no alarm issued to alert Eversource when the meters are not properly recording data. To provide a fair comparison for the values listed in the Table for the preceding years for Cos Cob 27.6 kV, Eversource estimated the usage for that period of time based on the following three-step calculation. First, the ratio of the 1X transformer kWhrs to the total kWhrs for all three transformers (1X, 2X and 3X) was calculated and averaged for 2013 and 2014. Second, the total kWhr usage for all three transformers (1X, 2X and 3X) was calculated and averaged for 2013 and 2014. Third, the average ratio (from step 1) was multiplied by the average total (from step 2) to obtain an estimated usage for the 1X transformer for 2015. The estimated 2015 usage for the 1X transformer was then added to the actual measured usage for the 2X and 3X transformers to obtain a revised 2015 total usage.