STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

RE: EVERSOURCE ENERGY APPLICATION FOR A
CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY
AND PUBLIC NEED FOR THE CONSTRUCTION,
MAINTENANCE, AND OPERATION OF A 115-KILOVOLT
(KV) BULK SUBSTATION LOCATED AT 290 RAILROAD
AVENUE, GREENWICH, CONNECTICUT, AND TWO 115KV UNDERGROUND TRANSMISSION LINES EXTENDING
APPROXIMATELY 2.3 MILES BETWEEN THE PROPOSED
SUBSTATION AND THE EXISTING COS COB
SUBSTATION, GREENWICH, CONNECTICUT, AND
RELATED SUBSTATION IMPROVEMENTS.

DECEMBER 21, 2015

MOTION OF THE OFFICE OF CONSUMER COUNSEL

The Office of Consumer Counsel ("OCC"), a party in the above-captioned proceeding, hereby requests, in the interest of due diligence, that the Siting Council ("Council") direct The Connecticut Light and Power Company d/b/a Eversource Energy ("CL&P" or "Company") to provide the information detailed below regarding transformer replacements at the Cos Cob substation.

In Interrogatory OCC-56, the Company was asked, in part, whether the existing transformers could be replaced with larger capacity units that fit within the same facility.

The Company responded that it had already analyzed the installation of larger transformers and determined that due to space limitations, the footprint of the existing transformer cannot be increased.

The OCC believes it may be possible to fit new replacement transformers in the current substation within the same footprint, and that transformer manufacturers are in the

best position to provide information on this. The added capacity from the new transformers has the potential to provide Greenwich with a good level of reliability for a significant period into the future. It does not appear that the Company has the impetus on its own to seek out and share information on this potential alternative. In the interest of due diligence on this major proposed project, the OCC requests that the Council direct the Company to do the following:

- **a.** Choose seven transformer manufacturers from this list of eleven: Heico, Hyundai, Siemens, Fortune, ABB, Deltastar, Mitsubishi, CG Power, SPX, Prolec GE, and WEG.
- b. Request that each manufacturer provide the dimensions and specifications of three, 115- to 27.6 kV only, three-phase, AC step-down transformers rated at 46/64/80 MVA ONAN/ONAF/ONAF, to fit on the enclosed floor plan. Tell the manufacturers that the transformers would be new ones to replace the current ones; that a tap changer operable under load would not be needed; and that space is at a premium, so please provide information on the most compact suitable unit.
- **c.** Provide a copy of the letter request to the service list in this proceeding. Seek party comments and Siting Council approval of the letter.
- **d.** Send the seven chosen manufacturers a copy of the floor plan for the Cos Cob substation, which the Company has filed in its response to OCC-62.
- e. Provide the manufacturers' written responses.

The OCC respectfully requests that the Council grant this motion concerning an important subject that OCC believes has not been sufficiently examined to date.

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Respectfully submitted,

OFFICE OF CONSUMER COUNSEL ELIN SWANSON KATZ, CONSUMER COUNSEL

By:

Margaret Bain

Associate Rate Specialist

I hereby certify that a copy of the foregoing has been mailed, electronically filed, and/or hand-delivered to all known parties and intervenors of record, this 21st day of December 2015.

Lauren H. Bidra

Commissioner of the Superior Court