

May 12, 2016

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

Re: Petition No. Petition 1225 - SWCT 1682 Line Upgrade Project

Dear Mr. Stein:

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

Response to CSC-01 Interrogatories dated 04/27/2016
CSC-001, 002, 003, 004, 005

Very truly yours,

Kathleen Shanley
Manager
Transmission, Siting
As Agent for CL&P
dba EversourceEnergy

cc: Service List

**CL&P dba Eversource Energy
Petition No. Petition 1225**

**Data Request CSC-01
Dated: 04/27/2016
Q-CSC-001
Page 1 of 1**

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

Question:

In Attachment A of the Petition, abutting property owners are identified as line list numbers (LL#) both in table format and on the aerial drawing. The following line list numbers on the aerial drawings are absent in the tables: LL#285, LL#353, LL#354, and LL#355. Please identify these LL#s. Are these property owners included in the Affidavit of Service of Notice "served by mail or courier upon 15 owners of abutting properties..." provided in Attachment D? If not, provide an updated Affidavit of Service of Notice.

Response:

The following property owner for LL#353 and LL#354 was included in the Affidavit of Service of Notice.

241 DANBURY ROAD ASSOCIATES
PO BOX 49
WILTON, CT 06897

The Connecticut Department of Transportation ("CDOT") owns the properties at LL#285 and LL#355 and was not included in the Affidavit of Service of Notice. Eversource has been corresponding with CDOT about the Project abutting its properties. The attached notice of the Project was mailed to CDOT on May 5, 2016. The updated Affidavit of Service of Notice is attached.



State of Connecticut DOT
2800 Berlin Turnpike
Newington, CT 06131

May 5, 2016

Dear Neighbor,

As part of its ongoing commitment to deliver reliable energy and superior service to its customers, Eversource Energy (“Eversource”) is submitting a petition to the Connecticut Siting Council (“CSC”) for a proposed transmission line upgrade in your area.

The upgrade, called the 1682 Line Upgrade Project (“Project”), is designed to bring the electric supply system serving the towns in southwestern Connecticut into compliance with current national and regional reliability standards. These standards were developed by federal and regional regulators following a review of electric grid vulnerabilities and storm-related power outages. The Project will also provide greater ability for power to move more freely to meet customer demand throughout the area.

The proposed Project includes replacing existing transmission structures and installing a new, higher capacity 115-kV line along approximately two miles of existing Eversource right-of-way from Norwalk Junction off of Danbury Road in Wilton, north to the Wilton Substation located on Old Danbury Road in Wilton.

Pending CSC approval, this upgrade work is expected to begin in summer 2016. Completion of the proposed Project and restoration of any affected areas is anticipated by the end of 2017.

For more information about this Project, please call the Eversource Transmission Information Line at 1-800-793-2202, or send an email to TransmissionInfo@eversource.com.

If you would like to send comments regarding Eversource’s petition to the CSC, please send them via e-mail to siting.council@ct.gov or a letter to the following address:

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

Thank you.

Sincerely,

David L. Coleman

David L. Coleman
Transmission Project Management

UPDATED AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, property owners and abutters shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of proposed modifications of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal officials:

Municipal Official:

Lynne Vanderslice, First Selectman
Town of Wilton
238 Danbury Road
Wilton, CT 06897

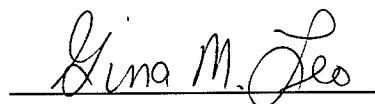
I also certify that I caused notice of the proposed modifications to be served by mail or courier upon 16 owners of the abutting properties that are depicted on the maps in Attachment A to the Petition.



David Coleman
Project Manager

On this the 6th day of May, 2016, before me, the undersigned representative, personally appeared, David Coleman, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.



Gina M. Leo

Notary Public
My Commission expires:

GINA M. LEO
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2021

CL&P dba Eversource Energy
Petition No. Petition 1225

Data Request CSC-01
Dated: 04/27/2016
Q-CSC-002
Page 1 of 1

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

Question:

Would use of weathering steel monopoles have less of a visual impact to the community than the proposed galvanized steel monopoles?

Response:

The visual impacts of a weathering steel monopole and a galvanized steel monopole are dependent upon the characteristics of the surrounding area. In heavily wooded and rural areas, a darker colored weathered steel monopole would have less of a visual impact due to its ability to better match the darker surroundings. In more open, developed areas such as the Project area, where the viewscape extends up into the sky, a lighter colored galvanized steel monopole would have less of a visual impact due to its ability to better match the lighter background.

CL&P dba Eversource Energy
Petition No. Petition 1225

Data Request CSC-01
Dated: 04/27/2016
Q-CSC-003
Page 1 of 1

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

Question:

It appears there are pines trees located along the west edge of the LL#339 property and large deciduous and evergreen shrubs at the west edge of the LL#347 property. Would this vegetation be entirely removed as part of this project? If so, is there any replacement landscaping proposed for these areas?

Response:

The trees along the western edge of LL#339 within the ROW will be removed to maintain safe conductor clearance limits. The shrubs at the western edge of LL#347 that are in the ROW would not be removed and would continue to be maintained under Eversource's Vegetation Management Program. There is no proposed replacement landscaping planned for the two subject areas.

CL&P dba Eversource Energy
Petition No. Petition 1225

Data Request CSC-01
Dated: 04/27/2016
Q-CSC-004
Page 1 of 1

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

Question:

Would the proposed rebuild/reconductoring project satisfy NERC Reliability Standards and Eversource's storm hardening criteria for transmission facilities?

Response:

Yes, the proposed line design will provide the required clearances at maximum operating temperature underneath the transmission line, thereby satisfying the NERC requirements. In addition, Eversource's storm hardening requirements will be met due to the proposed line design exceeding the structural loading criteria as defined in Section 25 of the 2012 edition of the National Electric Safety Code which includes a design criteria to withstand a 110 MPH wind.

**CL&P dba Eversource Energy
Petition No. Petition 1225**

**Data Request CSC-01
Dated: 04/27/2016
Q-CSC-005
Page 1 of 1**

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

Question:

Page 8 of the Petition refers to three structures located within a FEMA 100-year flood zone. Are the associated foundations larger in size to account for potential flooding? (no reference is given regarding the size of foundations for structures located in non-flood zones)

Response:

No, the associated foundations for the three structures located within the FEMA 100-year flood zone are not larger in size to account for potential flooding. The presumption was that these existing lattice towers within the FEMA 100-year flood zone will be replaced by steel monopoles with 8 foot in diameter concrete foundations that will extend 5 feet above base elevation. Tighe & Bond completed a cut-and fill and hydraulic analysis for Structures 3005, 3006 and 3007 to demonstrate that there will be no measurable increase in the base flood elevation from these three structures foundations.