

August 9, 2021

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

RE: Sub-Petition 1293-FA-02

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-FA-02 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Farmington, Connecticut. The work includes replacing 2 existing laminated wood pole structures with new weathering steel transmission structures.

Eversource sent the enclosed Sub-Petition to the municipality of Farmington and to owners of directly abutting property (see Exhibit C, Abutter List and Proof of Notice).

Please contact me at 860-728-4527 if you have any questions regarding the enclosed Sub-Petition.

Sincerely,

Kathleen M. Shanley

Attachments:

Exhibit A: Sub-Petition
Exhibit B: 100-Scale Maps
Exhibit C: Abutter Letter and Proof of Notice
Exhibit D: Photographs

**THE CONNECTICUT LIGHT AND POWER COMPANY doing business as
EVERSOURCE ENERGY**

Sub-Petition
CONNECTICUT SITING COUNCIL – PETITION NO. 1293
TRANSMISSION FACILITY ASSET CONDITION
MAINTENANCE IMPROVEMENTS TO COMPLY WITH
THE UPDATED NATIONAL ELECTRIC SAFETY CODE
CLEARANCE REQUIREMENTS

Town: Farmington

Sub-Petition No-1293-FA-02

Project: Laminated Wood Structure Replacement Replacement Project

Structure Location: Transmission Structures located in the town of Farmington, Connecticut

I. Introduction:

In accordance with Condition 1 of the March 30, 2017 ruling by the Connecticut Siting Council (the "Council") (as set forth in the Council's August 31, 2017 letter) regarding Petition No. 1293 ("CSC Ruling"), The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's Laminated Wood Structure Replacement Program ("Project") is part of an ongoing maintenance program, which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to assure safe and efficient transmission of power to its customers. The full integrity of the laminated wood structures ("LWS") cannot be assessed by conventional visual inspection and the remaining strength cannot be estimated with the same precision as wood structures because most of the wood is rotting from within the structure or under the mounting brackets. However, as most of the LWS structures that have recently been removed for other reasons have shown significant deterioration, Eversource plans to conduct transmission structure replacement work to remediate the LWS damage evidenced by, wood rot and pole top rot (see Exhibit D Photos). An engineering evaluation has determined that two LWS H-frame structures (Structure 8011 and Structure 8012) require replacement on the portion of the 1783 Line, which is a 115-kV transmission line in Farmington, Connecticut.

The following work ("Work Activities") subject of this Sub-Petition will be performed:

- Replace each existing H-frame structure with a weathering steel H-frame structure.
- One pole of the existing H-frame Structure 8011 is 65 feet in height. The height of the second pole of structure is 84 feet to accommodate existing telecommunications equipment. Proposed replacement Structure 8011 will be a 95 feet and 80 feet high weathering steel H-frame structure. The location of this replacement structure will be shifted approximately 60 feet west of the existing structure to avoid the steep drop in elevation to the east and existing underground utilities lines to the west. Test pits were conducted to confirm the location of the lines and mitigate the risk of hitting these underground lines when installing the new structure.

- One pole of the existing H-frame Structure 8012 is 61 feet in height. The second pole of the structure is 102 feet to accommodate existing telecommunication equipment. Proposed replacement Structure 8012 will be an 80 feet high and 95 feet high weathering steel H-frame structure. The proposed structure will be installed 15 feet west of the existing structure.¹ The higher of the H-frame poles will be decreasing 7 feet, the lower pole will be increasing 19 feet, each in comparison to comparable pole of the existing structure. Eversource Engineering and the telecommunications carrier are in agreement that this is the best option for this structure.

III. No Substantial Adverse Environmental Effect:

Eversource respectfully submits that the proposed modifications would have no "substantial adverse environmental effect" pursuant to Conn. Gen. Stat. § 16-50k, based on the following factors:

- a) Work Activities would take place within Eversource's existing right-of-way ("ROW") utilizing existing access routes (collectively the "Work Area").
- b) Work Activities would not result in any wetland impacts.
- d) According to Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), proposed Work Activities will not be located within a NDDB area.
- e) The structure replacements will not require any tree clearing. However, Eversource may need to undertake minor tree trimming and/or vegetation mowing within the managed ROW corridor to improve access to portions of the Work Area.
- f) A review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that no National or State Register of Historic Places properties/districts are located within 500 feet of the Work Area. Based on a review of historic maps, aerial photographs and soil profiles, the proposed work pads locations were identified to possess little potential for no/low archaeological sensitivity. The Work Area is situated on well-drained soil and dry land, which previously has been disturbed by many developments that have occurred in or near the Project. As a result, no additional archeological examination of the Work Areas is recommended prior to construction.
- i) There are no 100-year flood zones in the Work Areas.
- j) There would be no change in noise levels following installation of the new structures.
- k) Any changes in electric and magnetic field levels off of the ROW would be negligible.

IV. Mitigation:

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, throughout the execution of the Work Activities in accordance with the 2002 *Connecticut Guidelines for Soil Erosion and Sediment Control* and the BMPs.
- Eversource's contractor will perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized

¹ Telecommunications equipment are located on both structures. The carriers will move the equipment after the proposed structures are erected.

to prevent erosion.

- During construction, when necessary, anti-tracking mats would be installed at construction entrances onto public roads to prevent tracking of soil onto local streets.
- Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated. After the establishment of permanent ground cover, Eversource's contractor would remove the temporary E&S controls and remove/dispose of any accumulated sediments and debris from areas where such measures were used.

V. Access

No new access roads would be constructed, though existing access roads may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Temporary matting would be used in wetlands and in flood zone areas.

Eversource would access the Work Areas by entering its ROW from existing access points from both sides of a public road and then continue on existing access routes as follows:

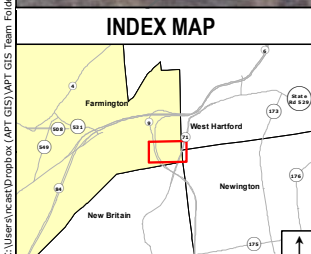
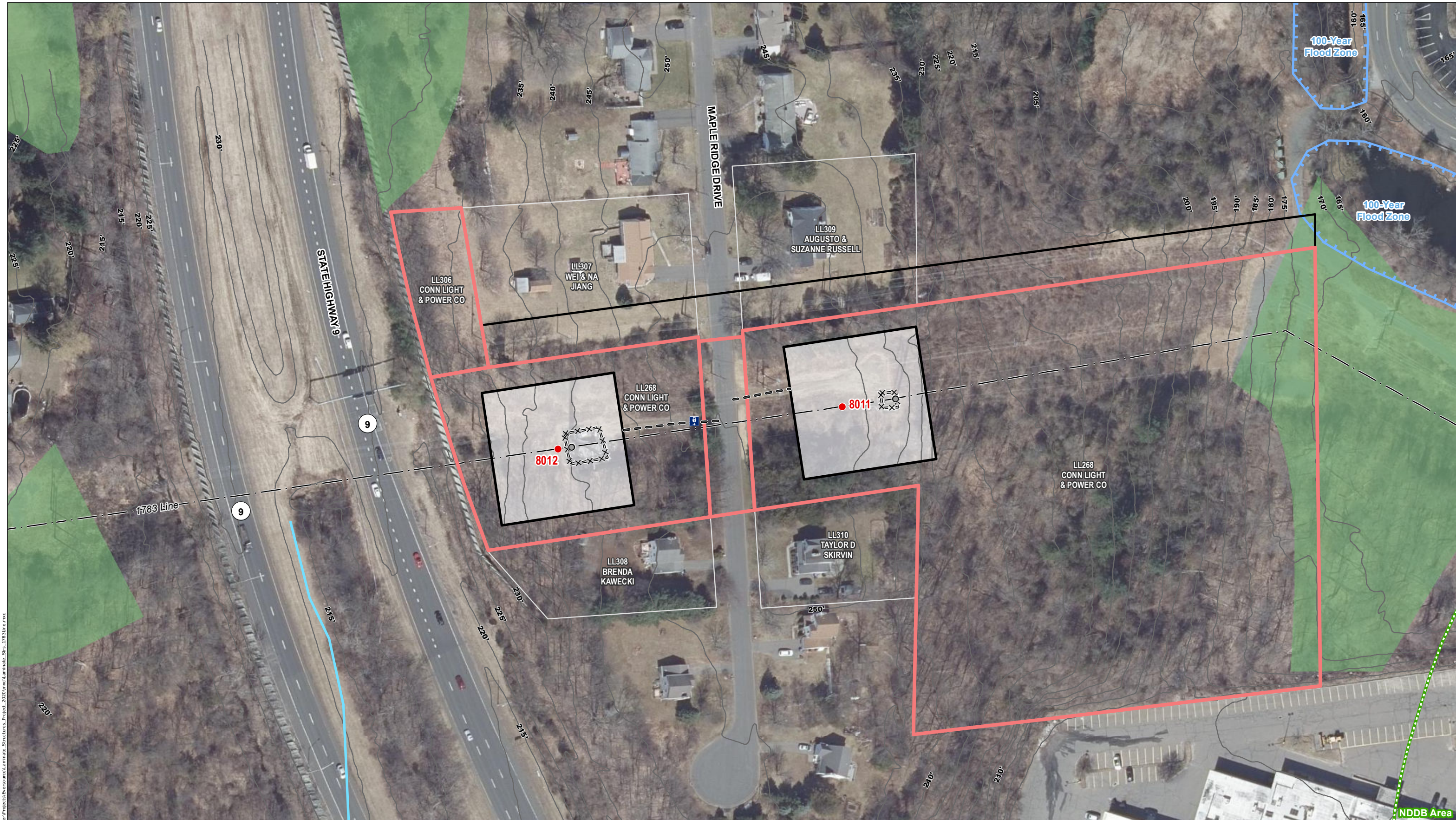
- Maple Ridge Drive, Farmington for structures 8011 and 8012.

By:



Kathleen M. Shanley
Manager, Transmission Siting

Exhibit B: 100-Scale Maps



Legend	
● Existing Structure	○ Stone Work Pad
● Proposed Structure	--- Existing Access
○ Existing Structure to be Removed	■ Approximate Wetland (CTDEEP; not delineated)
— Existing Right-of-Way (ROW)	— Watercourse (not delineated; CTDEEP)
- - - Overhead Eversource Line	■ Natural Diversity Database Area (6/2021; none in mapped extent)
X=X=X Fence	■ CT NEC Focus Area (none in mapped extent)
■ Gate	■ Critical Habitat (none in mapped extent)
■ FEMA 100-Year Flood Zone	■ FEMA Floodway (none in mapped extent)
■ FEMA Floodway (none in mapped extent)	■ Public Water Supply Watershed (none in mapped extent)
■ Public Water Supply Watershed (none in mapped extent)	■ Eversource Owned Property
■ Eversource Owned Property	■ State Owned Property (CT DEEP; none in mapped extent)
■ State Owned Property (CT DEEP; none in mapped extent)	□ Parcel Boundary
□ Parcel Boundary	— 5' Contour Line
— 5' Contour Line	

Map Notes:
 Base Map Source: CTECO 2019 Aerial Imagery.
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.
 Structure locations, ROW, and Parcels are approximate (NOT from survey).

1 inch = 100 feet

0 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY
Laminate Pole Replacement Project
 1783 Line
 Farmington, CT
 Map Sheet 1 of 1
 Date: June, 2021

Exhibit C: Abutter Letter and Proof of Notice

AFFIDAVIT OF SERVICE OF NOTICE

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

In accordance with Condition 2 of the Connecticut Siting Council's ("Council") March 31, 2017 declaratory ruling on Petition No. 1293, I hereby certify that on August 9, 2021, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-FA- 02 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipality listed below and four abutters. The notice of the proposed maintenance activities states that comments or concerns regarding the maintenance activities described in the Sub-Petition should be submitted to the Council within 30 days of the date of such notice.

Municipal Official:

Ms. Kathleen A. Eagen, Town Manager
Town of Farmington
1 Monteith Drive
Farmington, CT 06032

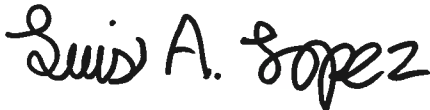
I also certify that I caused notice of the proposed modifications to be served by mail or courier upon owners of abutting properties shown on the List of Abutters included in Attachment D of the Petition.



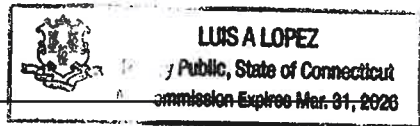
Christine Farrell
Siting Specialist

On this the 9th day of August, 2021, before me, the undersigned representative, personally appeared, Andrew Lord, 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.



Notary Public/My Commission expires: _____



August 9, 2021

Dear Neighbor,

As part of our everyday effort to deliver reliable energy to our customers and communities, we're planning work in your area to replace electric transmission structures. Maintaining the infrastructure that supports the electric lines is one of the ways Eversource ensures the safe, secure transmission of electricity throughout the region.

You're receiving this letter and a copy of the Sub-Petition because the proposed work would be taking place on Eversource-owned property in Farmington. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No.1293-FA-02 this week to the Connecticut Siting Council (CSC) for its review.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your area.

As part of this project, we are proposing to replace, and slightly increase the height of the existing wood structures. The new, weathering steel structures will increase in height by 10 feet or less, depending on the location.

We are proposing to do the work within Eversource-owned property that is near your property. The new structures will provide continued reliability of the transmission system.

The safety of our employees, our customers, and the public is our top priority during the ongoing coronavirus public health crisis. Our commitment to safety, first and always, is continuous.

At the same time, Eversource must fulfill its foundational mission to deliver safe, reliable services to our customers. We continue to call on our employees and contractors to perform essential work, such as this proposed project, that maintains and improves the reliability of our networks, while also adapting our work practices to incorporate social distancing, heightened hygiene, and other best practices to protect their, and the public's, health.

Connecticut Siting Council Process and Timing

With this letter, Eversource is providing notice to you of its proposed work activity, as described in the enclosed Sub-Petition. If you have any comments or concerns about the project, please send them to the CSC at the following address within 30 days of the date of this letter: Melanie Bachman, Executive Director; Connecticut Siting Council; Ten Franklin Square; New Britain, CT 06051. You may also email them to the siting.council@ct.gov. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-FA-02 in your correspondence.

Our Commitment to You

We are committed to being a good neighbor and doing our work with respect for you and your property. If you would like more information about this work please call 1-800-793-2202, or send an email to ProjectInfo@eversource.com. Thank you.

Sincerely,

Nick SanGiacomo

Nick SanGiacomo

Eversource Project Manager – Transmission Projects

Exhibit D: Photographs



Structure 8011
Looking East

EVERSOURCE

Transmission Overhead Line



Structure 8012 looking west



Structure 8011 cracking from wood rot



structure 8011 cracking from
wood rot