



56 Prospect Street
P.O. Box 270
Hartford, CT 06103

Kathleen M. Shanley
Manager – Transmission Siting
Tel: (860) 728-4527

December 13, 2017

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

Re: Sub-Petition No. 1293-EN-01

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-EN-01 with the Connecticut Siting Council ("Council"), regarding maintenance work on its property in Enfield, Connecticut. The work includes replacing one existing three-pole wooden transmission structure with a new three-pole, weathering steel transmission structure.

Eversource sent the enclosed Sub-Petition to the official of the municipality of Enfield and to owners of directly abutting properties (see Proof of Notice).

Enclosed please find an original and 3 copies of this filing.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley". The signature is fluid and cursive, with a large loop at the end.

Enclosures

Attachments:
Exhibit A: Sub-Petition
Exhibit B: Photographs and Photo Simulation
Exhibit C: Maps
Exhibit C: Abutter Letter and Proof of Notice

ATTACHMENT A
SUB-PETITION

**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: Enfield

Sub-Petition No1293-EN-01

Project: 1858 Transmission Line Structure Replacement

Structure Location: One Transmission Structure located in Enfield, 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 March 31, 2017 letter) regarding Petition No. 1293, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's 1858 Transmission Line Structure Replacement Project is part of an ongoing maintenance program, that evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to assure safe and reliable transmission of power to its customers. Due to asset condition, many structures require replacement on the Connecticut portion of the 1858 Line, which is a 115-kV transmission line that extends generally from Agawam Substation in Agawam, Massachusetts ("MA"), into the Connecticut towns of Suffield and Enfield and back into Longmeadow, MA to the Franconia Substation, also located in Longmeadow. Of the structure replacements in Connecticut, one structure will increase in structure height to accommodate clearance requirements. Eversource plans to conduct transmission structure replacement work to remediate wood structure damage caused by structure age, weather, and/or woodpecker/insect activity. The following work ("Work Activities") will be performed:

- Replace one existing, direct-embedded, three-pole wood structure with a new, three-pole, weathering steel structure that is slightly higher (approximately nine feet) than the existing structure. The replacement structure will be installed within 15 feet of the existing 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 property utilizing existing and proposed access routes (collectively the "Work Area"). Eversource can access the structure location by utilizing its existing rights.
- b) Work Activities would result in ±426 square feet ("SF") of temporary wetland impacts limited to temporary wetland matting required to provide access for this structure (22027). This wetland system is associated with an intermittent watercourse crossing and would be spanned completely with temporary wetland matting and no work would occur within the watercourse or wetlands. Work adjacent to wetlands and watercourses would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, September 2016 ("BMPs").
- c) No vernal pools are located in proximity to the Work Areas where the proposed Work Activities would be performed.
- d) As a result of Eversource's review of the Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), no portions of the proposed Work Activities would be located within NDDB areas.
- e) The structure replacement would 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 ("SHPO") revealed that no previously identified archaeological site or 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, soils and SHPO file information, the proposed structure replacement location was identified as not possessing a potential for moderate to high archaeological sensitivity. Therefore, no additional archaeological examination is warranted, no protective measures are required for the proposed activity and no effect on cultural resources will occur.
- g) The increased height of the replacement structure will be approximately nine feet.
- h) The replacement structure will be located within 15 feet of the existing structure.
- i) There are no 100-year flood zones in the Work Areas.
- j) No change in noise levels would result from the installation of the new structure and the line would continue to comply with State of Connecticut noise regulations.
- k) Any changes in electric and magnetic field levels outside of the ROW would be negligible.

IV. Mitigation:

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls ("E&S") would 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.
- Potential impacts to wetlands and one intermittent watercourse would be mitigated with the use of temporary wetland matting and adherence to the BMPs.
- Eversource's contractor would perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized 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:

Eversource would access the Work Areas by entering its property from an existing access point off Campania Road then continue to Structure 22027 by utilizing existing and proposed access roads, all within Eversource's property. The existing access road may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Temporary wetland matting would be used in the wetlands and intermittent watercourse crossing.

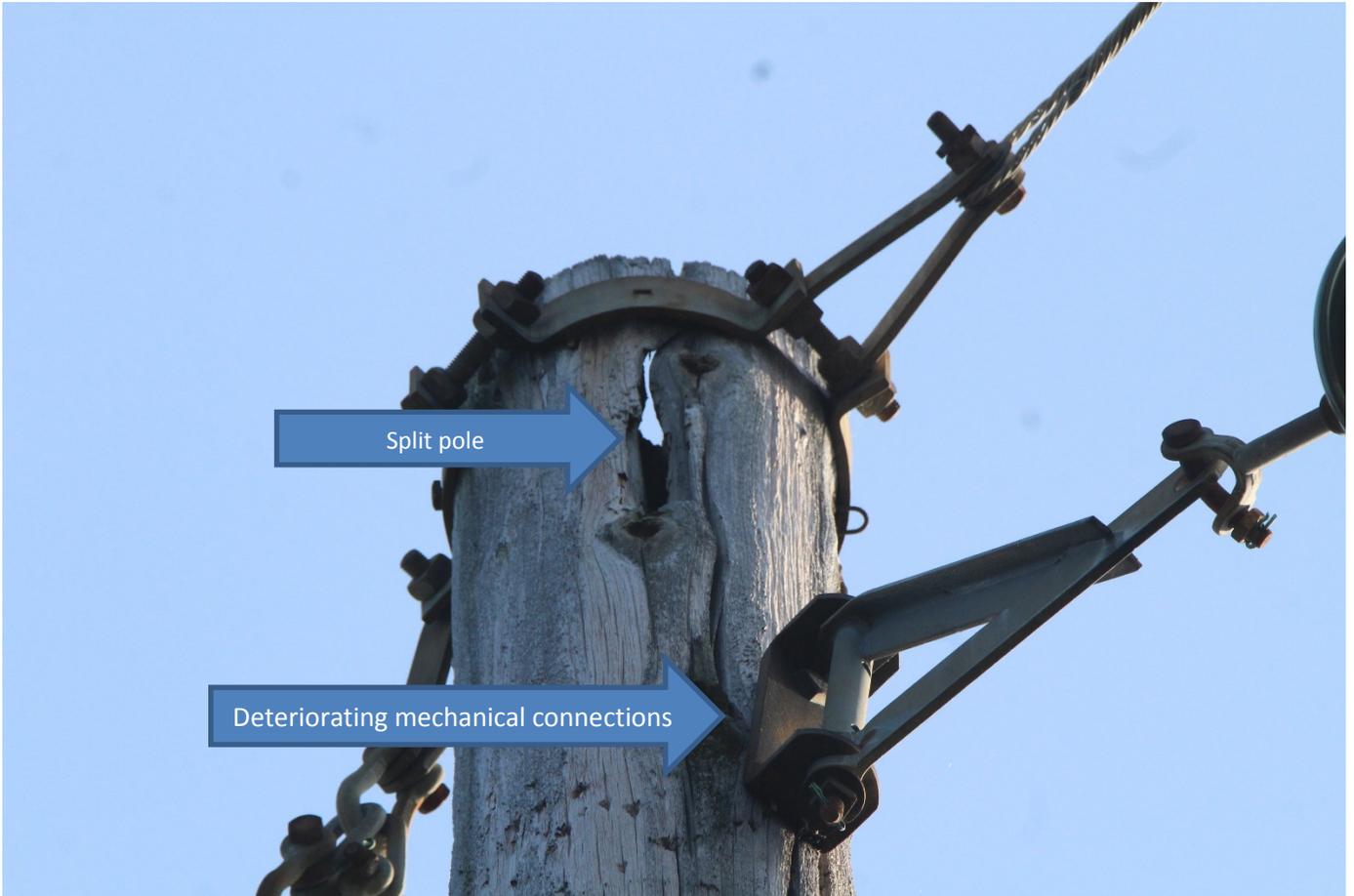
By: _____



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS AND
PHOTO SIMULATION

Structure #22027



Split pole

Deteriorating mechanical connections



EXISTING

1858 LINE

STRUCTURE 22027

LOCATION

ENFIELD STREET - ENFIELD, CT

ORIENTATION

NORTHWEST





PROPOSED

1858 LINE
STRUCTURE 22027

LOCATION

ENFIELD STREET - ENFIELD, CT

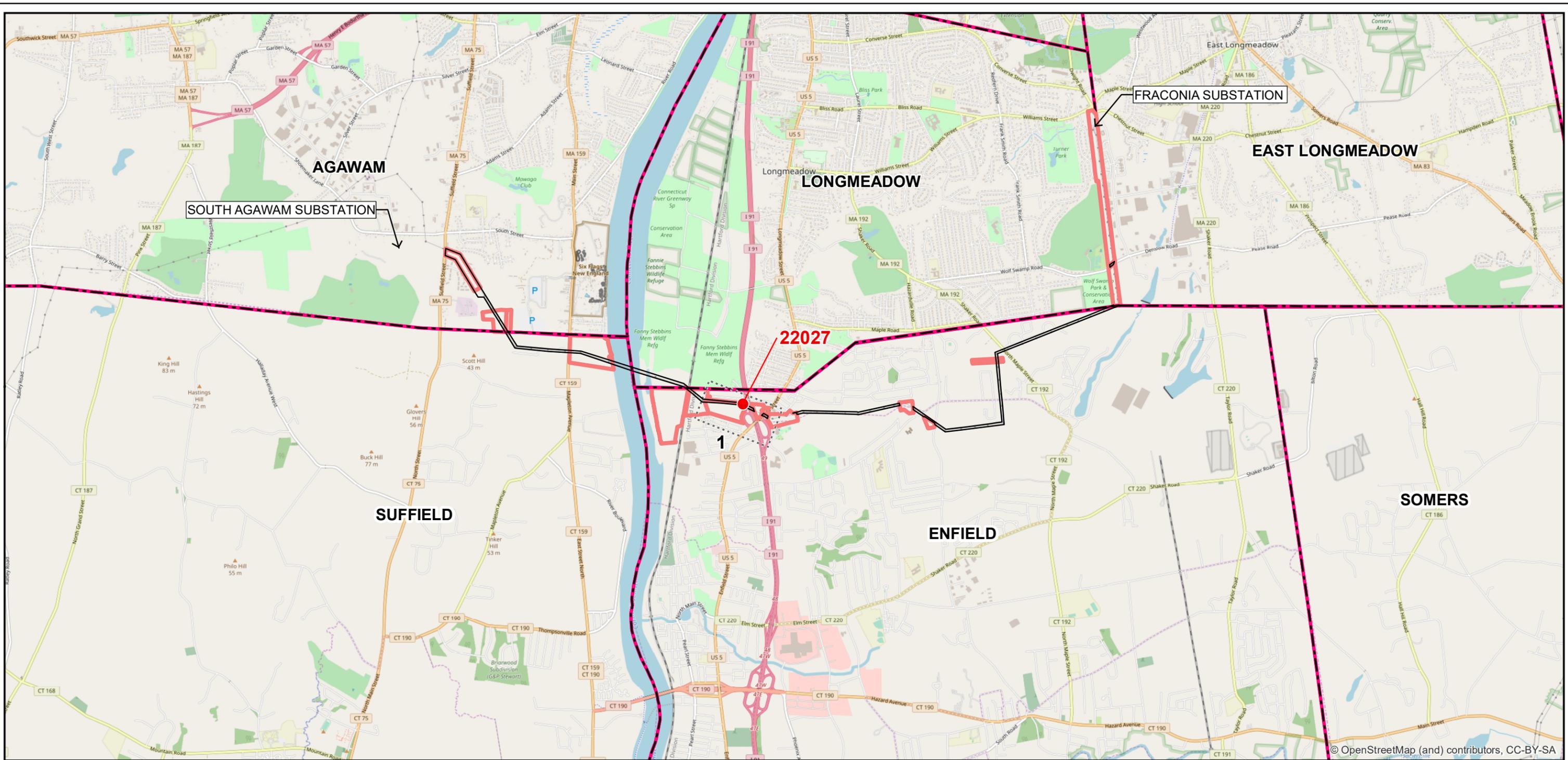
ORIENTATION

NORTHWEST



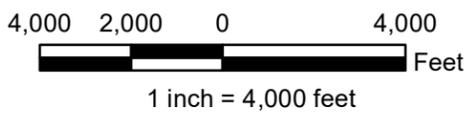
ATTACHMENT C

MAPS



© OpenStreetMap (and) contributors, CC-BY-SA

- Legend**
- Sub-Petition Replacement Structure
 - Approximate Right-of-Way
 - Town Boundary
 - Eversource Property
 - Map Sheet Extent



LINE 1858 STRUCTURE REPLACEMENT

Enfield, Connecticut
 Sub-Petition Map
 Date: 12/4/2017

Prepared For:

EVERSOURCE ENERGY

107 Selden St
 Berlin, CT 06037

Prepared By:

MILONE & MACBROOM

99 Realty Dr
 Cheshire, CT 06410

Line 1858 Structure Replacement

Map Sheet 1 Abutters List

Line List No.	Owner Name	Site Address	Town	State	Mailing Address	Mailing City	Mailing State	Mailing Zip Code
119	CONN LIGHT + POWER COMPANY	ENFIELD ST	ENFIELD	CT	PO BOX 270	HARTFORD	CT	06140-0270
135	PAUL J DAUNIS SR	43 SWORD AVE	ENFIELD	CT	43 SWORD AVE	ENFIELD	CT	06082
136	MICHAEL F + CINDY L REINO	41 SWORD AVE	ENFIELD	CT	41 SWORD AVE	ENFIELD	CT	06082
137	CONNECTICUT STATE OF DEPT OF TRANS	SWORD AVE	ENFIELD	CT	2800 BERLIN TPKE	NEWINGTON	CT	06111

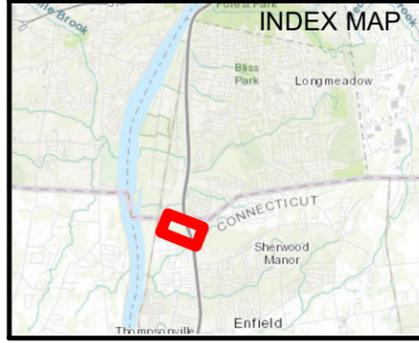


PROPOSED WETLAND MATTING.
TEMPORARY WETLAND IMPACT AREA +/- 426 SF

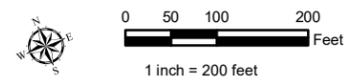
EVERSOURCE GATE

Source Imagery, CTECO, 2016 flight
CTDEEP, 2016; FEMA, 2016
ESRI, Digitalglobe, OpenStreetMap, 2017

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
© 2017 DigitalGlobe © CNES (2017) Distribution Airbus DS © 2017 HERE © 2017 Microsoft Corporation



LEGEND			
● Existing Structure	— Delineated Wetland Boundary	▨ FEMA Floodway	■ Gate
● Sub-Petition Replacement Structure	■ Delineated Wetland Area	▨ FEMA 100-year Floodplain	--- Contours Feet (2ft)
○ Existing Structure to be Removed	■ Delineated Open Water	— Existing Right of Way	--- Contour Major Index (10ft)
--- Proposed Access Road (Rights In Place)	--- Delineated Intermittent Watercourse	— Eversource Owned Property	--- Map Sheet Matchline
--- Existing Access Road	--- Delineated Perennial Watercourse	--- Municipal Boundary	
■ Temporary Wetland Matting	■ Stone Work Pad (Proposed)	--- Parcel Boundary	
		100 Line List ID	



LINE 1858 STRUCTURE REPLACEMENT

Enfield, Connecticut
Sub-Petition Map
Date: 12/4/2017

Prepared For:
EVERSOURCE ENERGY
107 Selden St
Berlin, CT 06037

Prepared By:
MILONE & MACBROOM
99 Realty Dr
Cheshire, CT 06410

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

December 13, 2017

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 within the right of way on or near your property in Enfield. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-EN-01 this week to the Connecticut Siting Council (CSC) for its review and approval.

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 property.

As part of this project, we are proposing to replace and slightly increase the height of the existing wood structure. The new, weathering steel structure will increase in height by 9 feet or less, depending on the location.

We are proposing to do the work within the existing rights of way on or near your property. The new structures will provide continued reliability of the transmission system.

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, Acting 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-EN-01 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 TransmissionInfo@eversource.com. Thank you.

Sincerely,

Brian Ragozzine

Brian Ragozzine
Eversource Project Manager – Transmission Projects

