



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

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

February 26, 2018

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

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

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-LI-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Lisbon, Connecticut. The work includes replacing 9 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipality of Lisbon of Eversource's submission of the Sub-Petition and sent copies of the Sub-Petition 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: Lisbon

Sub-Petition No1293-LI-01

Project: 1505/1607 Transmission Line Structure Replacement Project

Structure Location: 9 Transmission Structures located in Lisbon, 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 1505/1607 Transmission Line Structure Replacement 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. Due to asset condition, many structures require replacement on a portion of the 1505/1607 Line between Tunnel Substation to Bushnell Road in Lisbon, Connecticut. The 1505/1607 Line, in its entirety, is a 115-kV transmission line that extends from Tunnel Substation to Killingly Substation in Killingly. Of these replacements, 9 of the structures require a slight increase in structure height to comply with current clearance requirements.

Eversource plans to conduct the transmission structure replacement work to remediate wood structure damage caused by structure age, weather, and woodpecker activity. The following work ("Work Activities") will be performed:

- Replace 9 existing laminate wood monopole structures with new weathering steel monopole structures that are slightly taller (9 feet or less) than the existing structures. The replacement structures will be installed within 15 feet of the existing structures.

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 in areas within Eversource's property and existing right-of-way ("ROW") utilizing existing access roads and some new access roads (collectively the "Work Areas").
- b) Work Activities would result in $\pm 9,455$ square feet ("SF") of temporary wetland impacts limited to temporary construction matting for the construction work pad at structure 7165 ($\pm 3,457$ SF) and the access roads to structure 7165 ($\pm 4,936$ SF) and structure 7168 ($\pm 1,062$ SF). Work within the wetland system 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) According to Eversource's review of the Connecticut Department of Energy and Environmental Protection's Natural Diversity Data Base ("NDDDB"), none of the Work Areas would be located within a NDDDB buffered area.
- e) The structure replacements 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 National or State Register of Historic Places properties/districts are located within 500 feet of the Work Areas. Based on a review of historic maps, aerial photographs, soils and SHPO file information, five (5) of the proposed structure replacement locations (structures 7127, 7132, 7133, 7134 and 7165) were identified to possess a potential for moderate to high archaeological sensitivity. During a Phase IB investigation of these five structures, a single non-site cultural resource consisting of a single quartz flake was identified on the south side of structure 7165. This find does not possess research potential or qualities of significance as defined by the National Register of Historic Place criteria for evaluation (36 CFR 60.4[a-d]). Therefore, no additional archeological examination is warranted and no protective measures are required since the proposed replacement of these five structures will have no adverse effects on cultural resources.
- g) Increased heights of the 9 replacement structures average approximately 8.5 feet and none will exceed 9 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) There are no 100-year flood zones in the Work Areas where the proposed Work Activities would be performed.

- j) No change in noise levels would result from installation of the new structures and the line would continue to comply with the State of Connecticut noise regulations.
- k) Any changes in electric and magnetic field levels off 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.
- Potential impacts to wetlands would be mitigated with the use of temporary construction matting and adherence to 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 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.

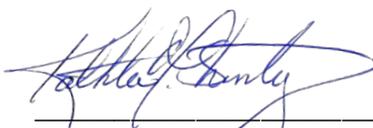
V. Access:

Some new access roads will be constructed to facilitate access to structures within the ROW and 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 as well as in agricultural/maintained lawn upland areas.

Eversource would access the Work Areas by entering its ROW from existing access points on public roads as follows:

- River Road (State Route 12) for structure 7127
- Bundy Hill Road for structures 7132, 7133 and 7134 (off-ROW access from an alternative location on Bundy Hill Road for structure 7134 would be used if rights are obtained)
- Newent Road (State Route 138) for structure 7165
- Bushnell Road for structures 7166, 7167, 7168 and 7169

By:



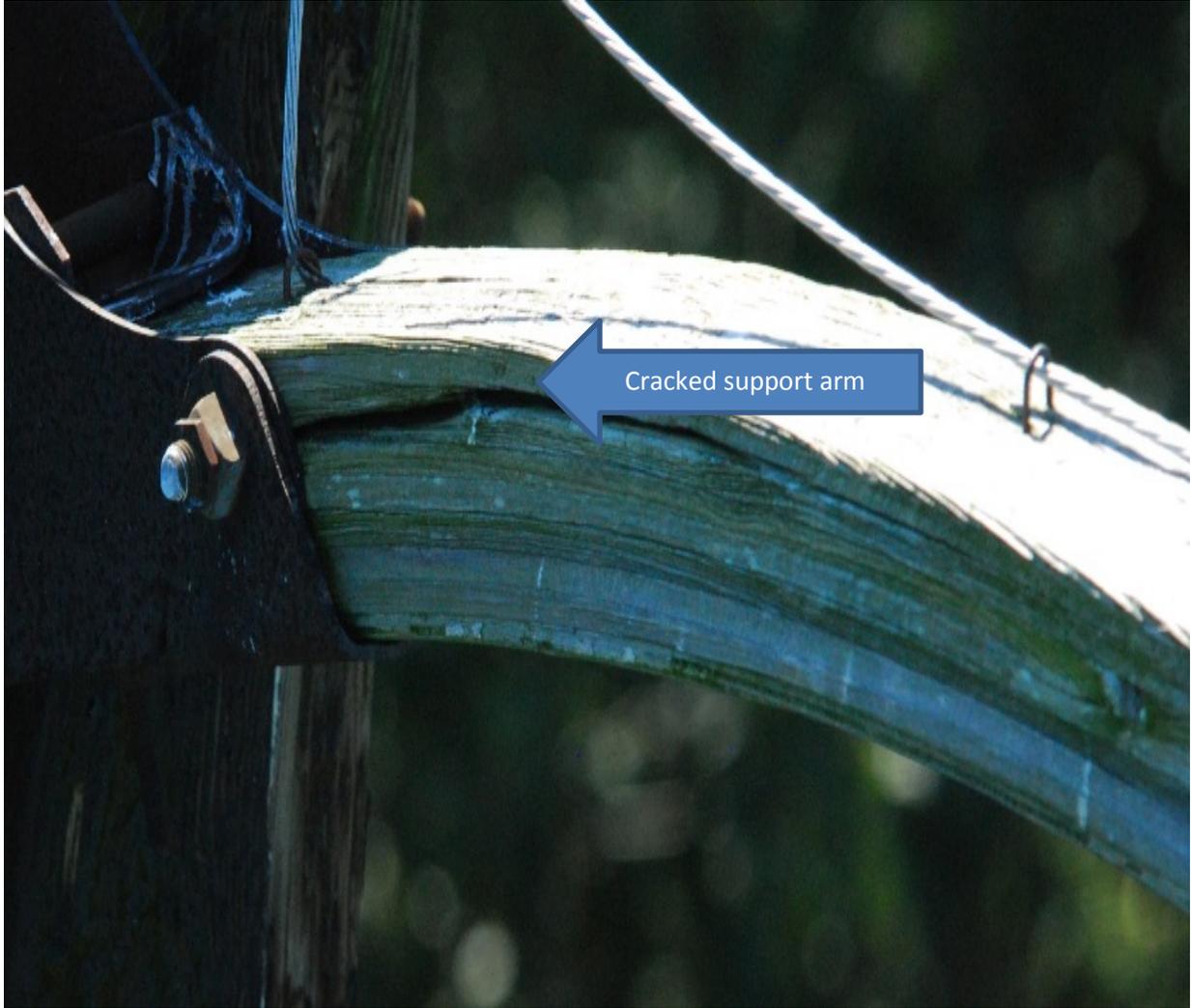
Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS AND
PHOTO SIMULATION

Structure #7132



Structure #7134



Structure #7166



Delaminating support arm

Deteriorating mechanical connections

Structure #7169



Split pole

Deteriorating mechanical connections



EXISTING

1505/1607 LINE
STRUCTURE 7133

LOCATION

BUNDY HILL ROAD AT RIMEK ROAD - LISBON, CT

ORIENTATION

SOUTHWESTWEST





PROPOSED

1505/1607 LINE
STRUCTURE 7133

LOCATION

BUNDY HILL ROAD AT RIMEK ROAD - LISBON, CT

ORIENTATION

SOUTHWESTWEST



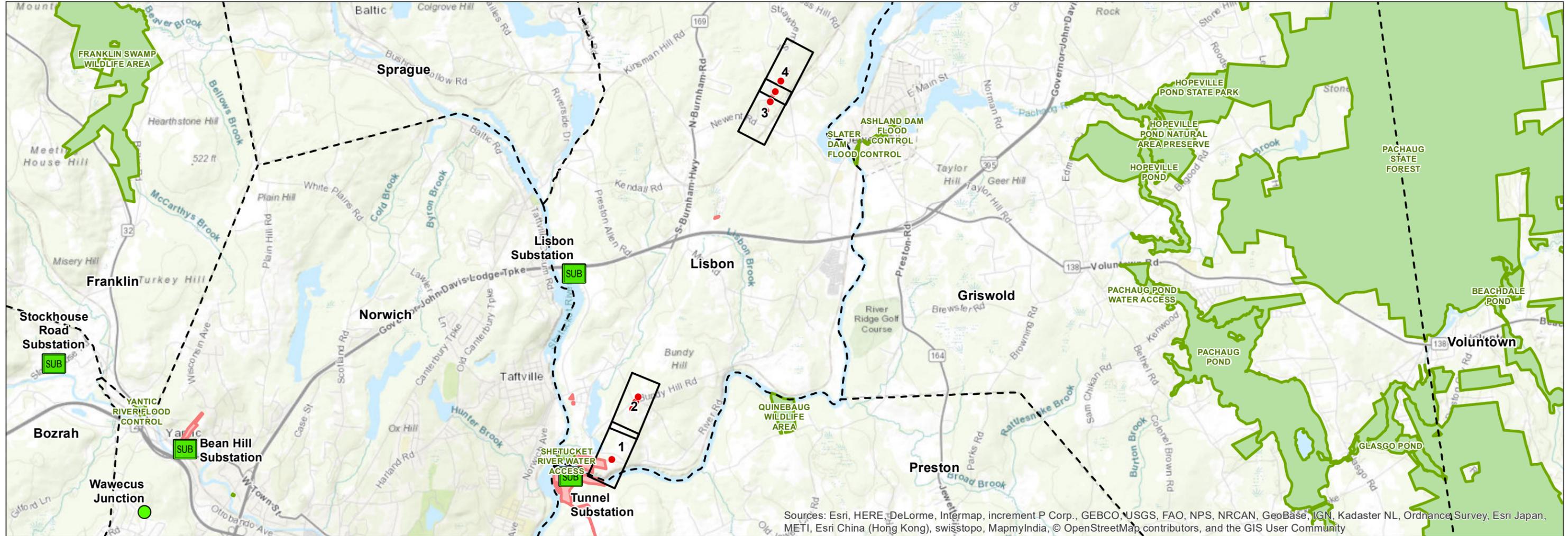
ATTACHMENT C

MAPS

Tunnel Substation to Lake Road Substation 1505/1607 Line Structure Replacement Project

Lisbon, CT
Sub-Petition Map Set

Date: February 20, 2018



Legend

- Proposed Structure
- Junction
- SUB Substation
- Map Sheet
- State-Owned Property
- Eversource Owned Property



PREPARED FOR:



107 Selden Street
Berlin, CT 06037

INDEX OF FIGURES

Title Sheet / Index Map
Abutter Tables and Map Sheets

PREPARED BY:



3 Saddlebrook Drive
Killingly, CT 06419

Map Sheet 1 of 4
Tunnel Substation to Lake Road Substation
1505/1607 Line Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
105	20 ICE HOUSE ROAD	LISBON	CT	EMILY DOVE & LARRY E MANNING



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Mapsheet 1
Mapsheet 2

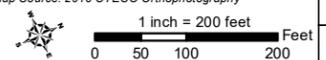
INDEX MAP



Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Transmission Line
- Right-of-Way Boundary
- 5' Contour Line
- 1' Contour Line
- Railroad
- Gate
- Existing Access Road
- Proposed Access Road
- Proposed Alternate Access (where new rights will be obtained)
- Work Pad
- Culvert
- Intermittent Watercourse
- Ordinary High Water Mark
- Open Water
- Delineated Wetland Boundary
- Wetland Area
- Temporary Construction Matting
- Natural Diversity Database Area (Dec 2017)
- Critical Habitat (CTDEEP, 2009)
- 100-Year Flood Zone (FEMA NFHL)
- Floodway (FEMA NFHL)
- State-Owned Land (none in mapped extent)
- Eversource Owned Property
- Parcel Boundary
- Matchline

Map Notes:
 Not for Construction. Parcel and ROW boundaries are approximate (not survey).
 Delineated wetlands and watercourses completed by Fuss & O'Neil.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.
 Base Map Source: 2016 CTECO Orthophotography

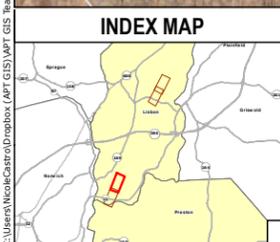
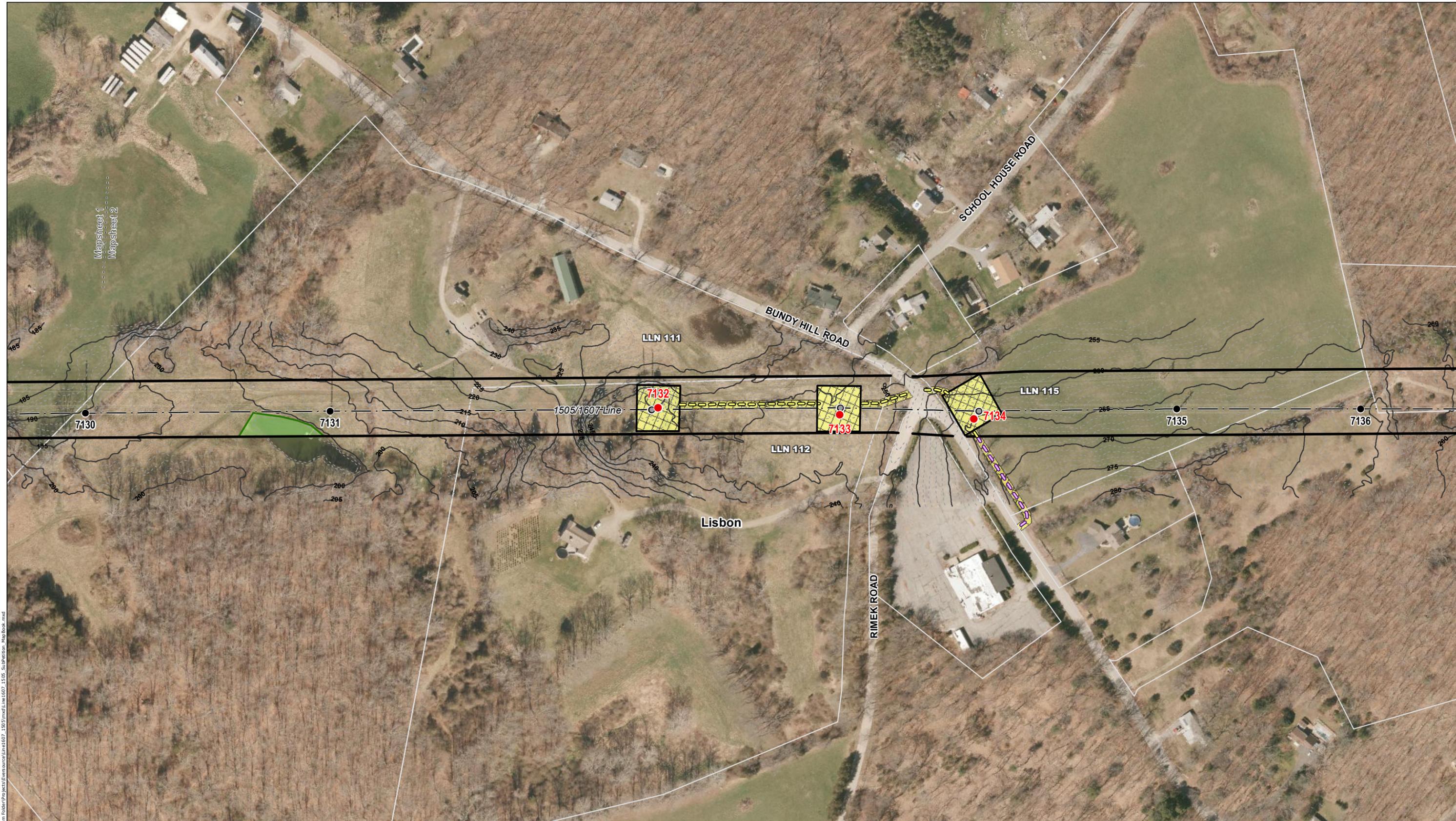


EVERSOURCE ENERGY					
Tunnel Substation to Lake Road Substation 1505/1607 Line Structure Replacement Project					
Lisbon, CT			Map Sheet 1 of 4		
Date: February, 2018					
Map Author: N. Castro					
NO.	DATE	REVISIONS	BY	CHK	APP



Map Sheet 2 of 4
Tunnel Substation to Lake Road Substation
1505/1607 Line Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
111	181 BUNDY HILL ROAD	LISBON	CT	ROLLIN & PATRICIA NYE
112	5 RIMEK ROAD	LISBON	CT	SCOTT & TRACY A NYE
115	0 SCHOOL HOUSE ROAD	LISBON	CT	SCOTT & TRACY A NYE



Legend	
● Proposed Structure	— Existing Access Road
● Existing Structure	— Proposed Access Road
○ Existing Structure to be Removed	— Proposed Alternate Access (where new rights will be obtained)
— Transmission Line	□ Work Pad
— Right-of-Way Boundary	○ Culvert
— 5' Contour Line	— Intermittent Watercourse
— 1' Contour Line	— Ordinary High Water Mark
— Railroad	— Open Water
— Gate	— Delineated Wetland Boundary
— Wetland Area	— Temporary Construction Matting
— Natural Diversity Database Area (Dec 2017)	— Critical Habitat (CTDEEP, 2009)
— 100-Year Flood Zone (FEMA NFHL)	— Floodway (FEMA NFHL)
— State-Owned Land (none in mapped extent)	— Parcel Boundary
— Eversource Owned Property	— Municipal Boundary
	— Matchline

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1 inch = 200 feet
 0 50 100 200 Feet

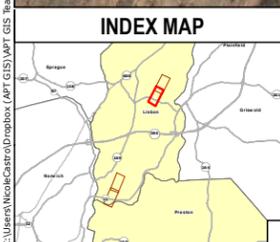
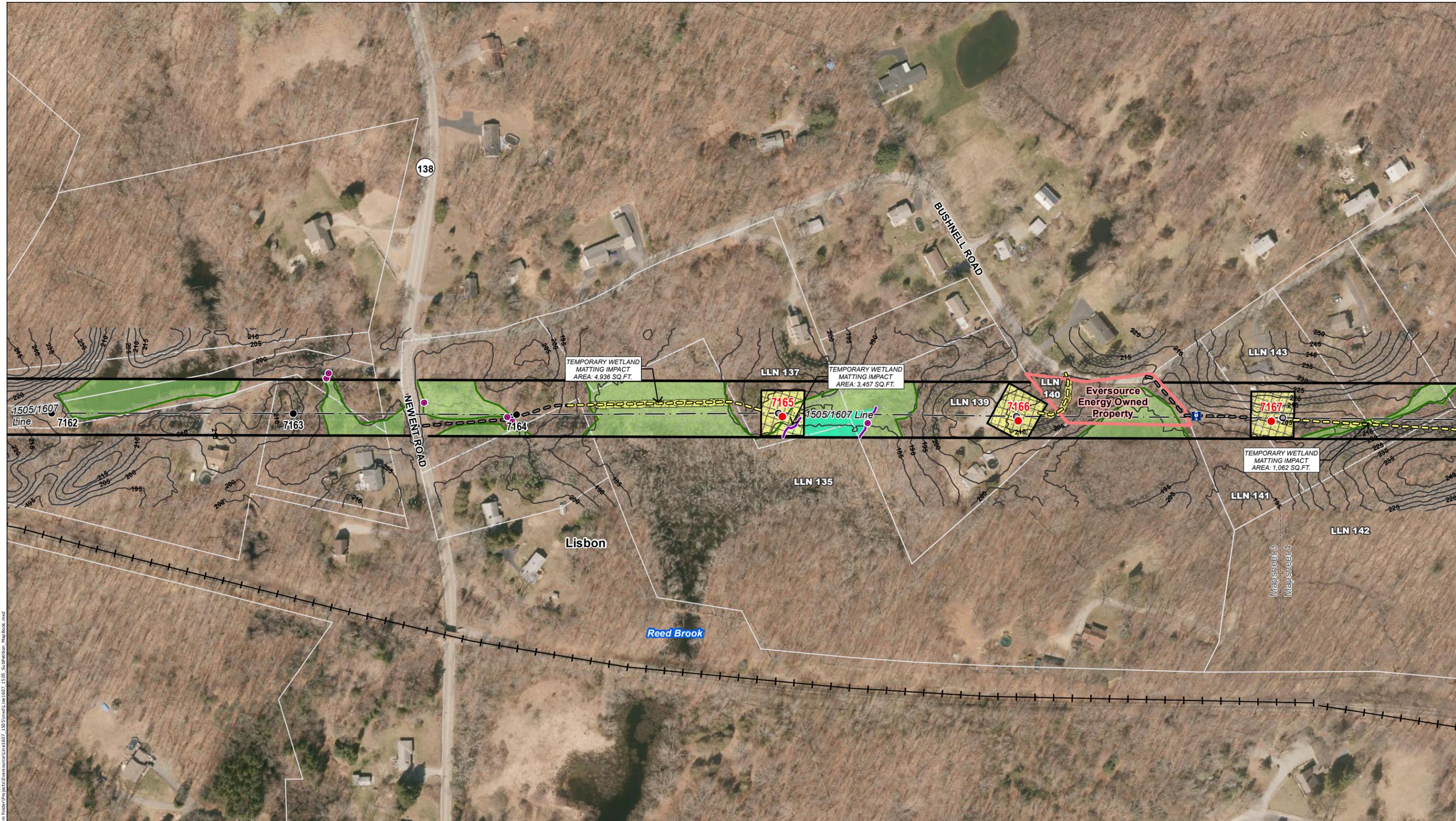
EVERSOURCE ENERGY									
Tunnel Substation to Lake Road Substation 1505/1607 Line Structure Replacement Project									
Lisbon, CT					Map Sheet 2 of 4				
Date: February, 2018									
Map Author: N. Castro									
NO.	DATE	REVISIONS	BY	CHK	APP	APP			



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Map Sheet 3 of 4
Tunnel Substation to Lake Road Substation
1505/1607 Line Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
135	52 BUSHNELL ROAD	LISBON	CT	LAWRENCE & CAROL LATOUR
137	20 BUSHNELL ROAD	LISBON	CT	JEREMY BOSMA
139	46 BUSHNELL ROAD	LISBON	CT	CHELSEA M. MINARSKY
140	50 BUSHNELL ROAD	LISBON	CT	CONNECTICUT LIGHT & POWER
141	54 BUSHNELL ROAD	LISBON	CT	LAWRENCE & CAROL LATOUR
142	0 BUSHNELL ROAD	LISBON	CT	LAWRENCE & CAROL LATOUR
143	58 BUSHNELL ROAD	LISBON	CT	LINDA K SALTOJANES



Legend	
● Proposed Structure	Existing Access Road
● Existing Structure	Proposed Access Road
○ Existing Structure to be Removed	Proposed Alternate Access (where new rights will be obtained)
— Transmission Line	Work Pad
— Right-of-Way Boundary	○ Culvert
— 5' Contour Line	— Intermittent Watercourse
— 1' Contour Line	— Ordinary High Water Mark
— Railroad	— Open Water
— Gate	— Delineated Wetland Boundary
— Parcel Boundary	— Wetland Area
— Municipal Boundary	— Temporary Construction Matting
— Matchline	— Natural Diversity Database Area (Dec 2017)
	— Critical Habitat (CTDEEP, 2009)
	— 100-Year Flood Zone (FEMA NFHL)
	— Floodway (FEMA NFHL)
	— State-Owned Land (none in mapped extent)
	— Eversource Owned Property

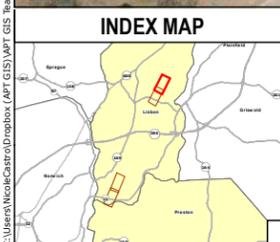
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Eversource Energy					
Tunnel Substation to Lake Road Substation 1505/1607 Line Structure Replacement Project					
Lisbon, CT			Map Sheet 3 of 4		
Date: February, 2018					
Map Author: N. Castro					
NO.	DATE	REVISIONS	BY	CHK	APP

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Map Sheet 4 of 4
Tunnel Substation to Lake Road Substation
1505/1607 Line Structure Replacement Project
Abutters List

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
141	54 BUSHNELL ROAD	LISBON	CT	LAWRENCE & CAROL LATOUR
142	0 BUSHNELL ROAD	LISBON	CT	LAWRENCE & CAROL LATOUR
143	58 BUSHNELL ROAD	LISBON	CT	LINDA K SALTOJANES
146	0 ROSS HILL ROAD	LISBON	CT	FRANCIS & SUSAN SHUELL



Legend	
● Proposed Structure	● Existing Structure
● Existing Structure to be Removed	— Transmission Line
— Right-of-Way Boundary	— 5' Contour Line
— 1' Contour Line	— Railroad
⊕ Gate	— Existing Access Road
— Proposed Access Road	— Proposed Alternate Access (where new rights will be obtained)
□ Work Pad	○ Culvert
— Intermittent Watercourse	— Ordinary High Water Mark
— Open Water	— Delineated Wetland Boundary
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Tunnel Substation to Lake Road Substation 1505/1607 Line Structure Replacement Project									
Lisbon, CT					Map Sheet 4 of 4				
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ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

February 26, 2018

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 Lisbon. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-LI-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 structures. The new, weathering steel structures 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-LI-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

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Hartford
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 February 26, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-LI-01 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipality listed below and 8 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:

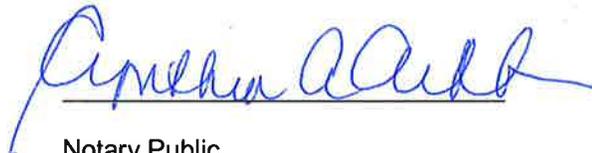
Town of Lisbon
The Honorable Thomas W. Sparkman, First Selectman
Lisbon Town Hall
1 Newent Road
Lisbon, CT 06351



James L. Smith
Project Siting Specialist

On this the 26th day of February, 2018, before me, the undersigned representative, personally appeared, James L. Smith, 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



CYNTHIA A. ARTHUR
NOTARY PUBLIC
STATE OF CONNECTICUT
MY COMM. EXP. 09-30-2018