

June 7, 2022

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

RE: Sub-Petition No.1293-WLEW

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-WLEW with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Windsor Locks and East Windsor. The work includes replacing two existing double circuit lattice transmission line structures on the 1200 and 1300 Line with four (4) single circuit monopole structures.

Eversource sent the enclosed Sub-Petition to the towns of Windsor Locks and East Windsor and notice to owners of directly abutting property (see Proof of Notice).

Enclosed please find an original and 3 copies of this filing. A check in the amount of \$625 for the required filing fee is also attached.

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

Sincerely,



Attachments:

- Exhibit A. Sub-Petition
- Exhibit B. Sub-Petition Maps
- Exhibit C. Abutter Letter and Proof of Notice
- Exhibit D. Pictures

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 ELECTRICAL
SAFETY CODE CLEARANCE REQUIREMENTS

Town: Windsor Locks and East Windsor

Sub-Petition 1293-WLEW

Project: 1200 and 1300 Transmission Line Structure Replacement Project

Structure Locations: Two Transmission Line Structures in Windsor Locks and East Windsor, 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 Line 1200 and Line 1300 Transmission Line Structure Replacement Project is part of an ongoing lattice structure retirement program, which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to ensure the safe and reliable transmission of power to its customers. Due to asset condition, two existing lattice structures (#6208 and #6209) require replacement on the 115-kV 1200 and 1300 lines which span the Connecticut River and extend into Windsor Locks Substation in Windsor Locks, Connecticut. Line 1200 extends from Barbour Hill Substation, in South Windsor, Connecticut to Windsor Locks Substation, whereas Line 1300 extends from Enfield Substation, in Enfield, Connecticut to Windsor Locks Substation. These lines currently converge at the Connecticut River crossing and are supported on the same lattice crossing structures. Eversource proposes to separate the lines at the river crossing on single-circuit structures that will replace the double-circuit crossing structures. Specifically:

- Replace two (2) existing lattice structures (#6208 and #6209) with four (4) single-circuit steel monopoles, separating Lines 1200 and 1300.

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) All Work Activities would take place within Eversource's existing right-of-way ("ROW") or authorized license area (for occupation over a railroad) utilizing existing access roads, as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads may be improved. Eversource can access each structure replacement location utilizing its existing rights.
- b) The Work Activities would not result in any impacts to wetlands or watercourses. Work would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, April 2022 ("BMPs") to avoid impacts to nearby wetland and watercourse resources.
- c) No vernal pools or vernal pool envelopes are in proximity to the proposed Work Areas.
- d) Based on review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), both sets of structure replacements are within a NDDB buffered area and the reconductoring of the line is over the Connecticut River, a jurisdictional wetland/watercourse. Therefore, the Work Areas are subject to an NDDB Review Request. Eversource has consulted with the CTDEEP NDDB regarding protection of state-listed species within the Project area and submitted an NDDB Review Request on April 27, 2021 and received a response on January 7, 2022. Eversource will adhere to CTDEEP NDDB BMPs to avoid or minimize impact to terrestrial and aquatic habitats that may support state-listed species. With these protective measures, no adverse impacts to state-listed species are anticipated.
- e) The Work Activities will not require any tree clearing. However, Eversource may need to undertake tree trimming and/or vegetation removal/mowing to establish required conductor clearance and/or to install work pads within the Work Areas.
- f) A Phase 1A assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC ("Heritage") did not identify any State Register of Historic Places properties/districts or archeological sites within 500 feet of the Work Areas. However, the Windsor Locks Canal (historically known as the Enfield Canal) is listed on the National Register of Historic Places and located within the vicinity of Structures 6209 and 6209A. Heritage classified the proposed structure locations as no/low archaeological sensitivity and advised that no further examination of those locations is recommended or warranted. Furthermore, Heritage assessed that though Structures 6209 and 6209A are located near the Windsor Locks Canal, it will not be impacted by the Project.
- g) Increases in heights of the four replacement structures will vary from 6.5 feet to 20 feet to comply with current clearance requirements.

- h) Work within the 100-year flood zones is limited to the replacement structures for 6208 and 6208A and the temporary matting construction workspace associated with the Work Activities.
- i) No change in noise levels would result from the installation of the new structures and the applicable line would continue to comply with the State of Connecticut noise regulations.
- j) Any changes in electric and magnetic field levels outside the ROW would be negligible.

IV. Mitigation:

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment ("E&S") controls will be employed and maintained, as needed, for the duration of the Work Activities in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.
- Potential impacts to wetlands proximate to the Project will be mitigated with the adherence to the BMPs.
- Eversource will conduct any necessary contractor training as well as implement species-specific protection and mitigation measures to avoid impacts to any applicable species and their habitats during Project construction.
- Eversource's contractor will perform construction sequencing such that any earth materials are exposed for a minimum amount 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 to public roads to prevent tracking of soil onto local roads.
- Upon completion of the Work Activities, all disturbed/exposed areas will be stabilized and revegetated as needed. After establishing 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 need be constructed to facilitate access to the structures within the substation and the ROW.

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

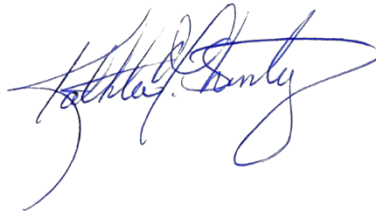
Windsor Locks

- South Main Street for Structure 6209 and replacement Structures 6209 and 6209A

East Windsor

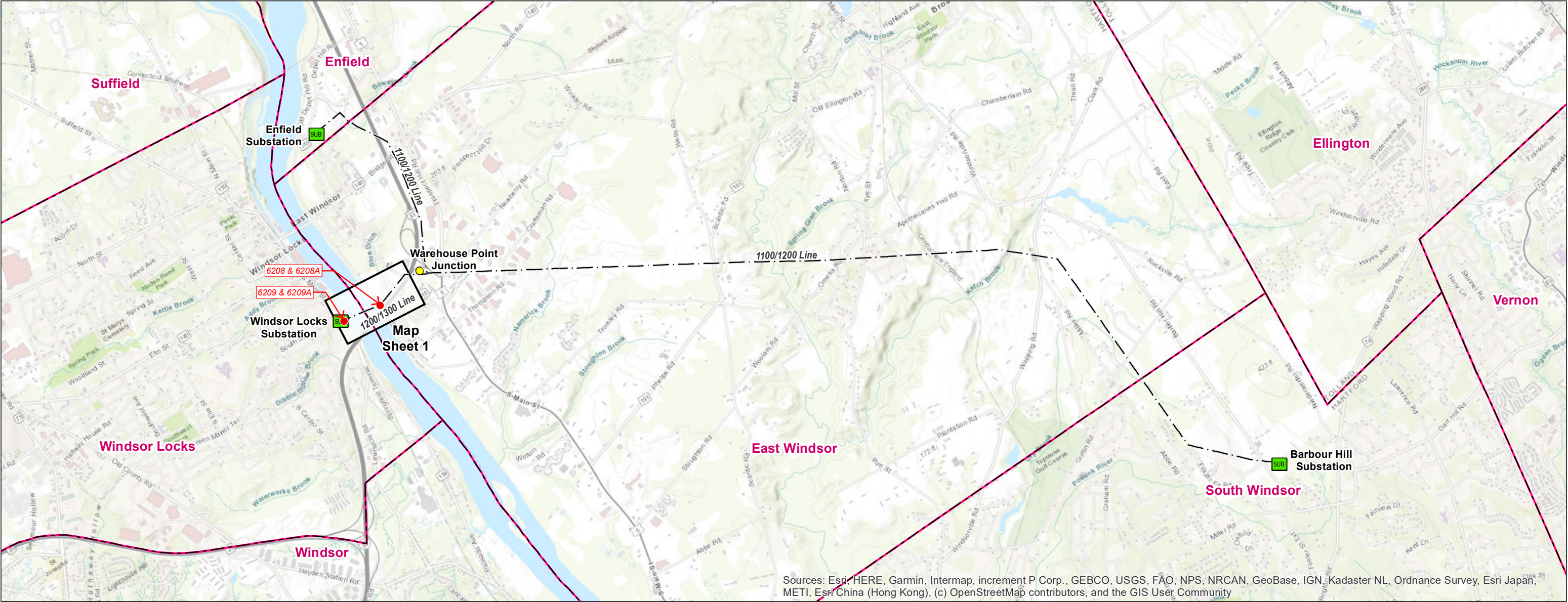
- South Water Street for Structure 6208 and replacement Structures 6208 and 6208A

By:



Kathleen M. Shanley
Manager - Transmission Siting

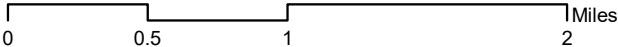
1200/1300 Lines
Structure Replacement Project
Windsor Locks and East Windsor, CT
Sub-Petition
Date: May 03, 2022



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Legend

- Proposed Structure SUB Substation ● Junction - - - Overhead Eversource Line □ Map Sheet Municipal Boundary



INDEX OF FIGURES

Title Sheet / Index Map
Abutter Table and Map Sheet 1

PREPARED FOR:

EVERSOURCE
ENERGY

107 Selden Street
Berlin, CT 06037

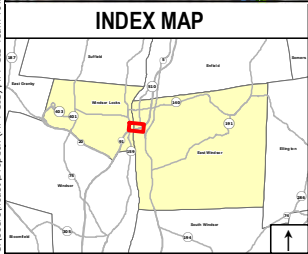
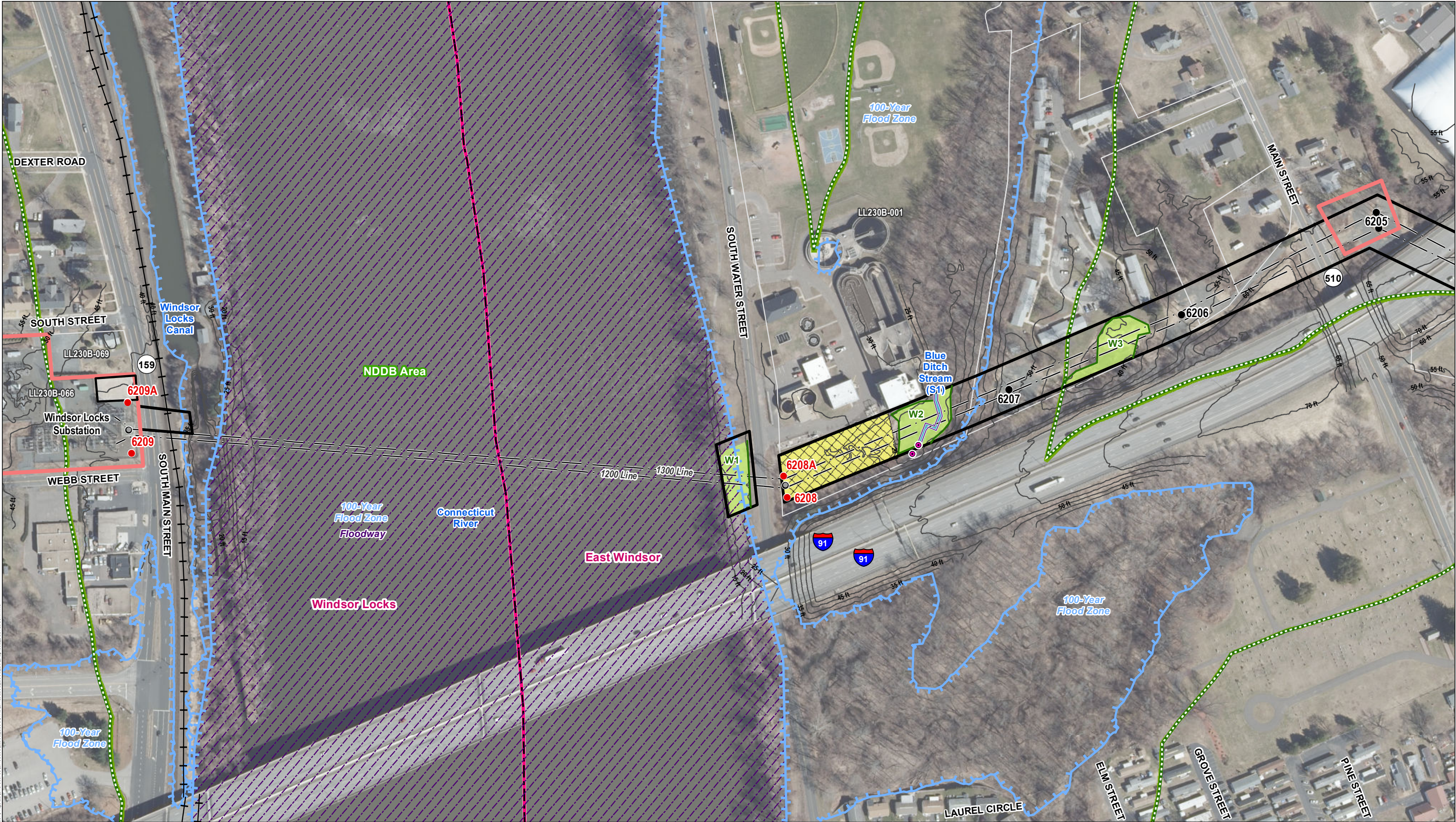
PREPARED BY:



567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385

Map Sheet 1 of 1
1200/1300 Lines - Structure Replacement Project
Abutter Table

<u>Line List Number</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
230B-001	192 SOUTH WATER STREET	EAST WINDSOR	CT	TOWN OF EAST WINDSOR
230B-066	SOUTH MAIN STREET	WINDSOR LOCKS	CT	CONNECTICUT LIGHT & POWER
230B-069	SOUTH MAIN STREET	WINDSOR LOCKS	CT	WALTER OFSURYK AND CAROL OFSURYK



Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Overhead Eversource Line
- Existing Right-of-Way (ROW)
- Railroad
- Stone Work Pad
- Temporary Construction Matting
- Ordinary High Water Mark
- Open Water
- Culvert Inlet/Outlet
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- FEMA 100-Year Flood Zone
- FEMA Floodway
- Natural Diversity Database Area (Dec 2021)
- Eversource Owned Property
- Parcel Boundary
- 5' Contour Line
- Municipal Boundary

Map Notes:
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.

Wetlands field delineated by Kleinschmidt 2017, and field verified by DE 4/8/2021.
Parcel and ROW boundaries provided by Eversource in 02/2021 and are approximate (not from survey).

Aerial Base Map Source: CTECO 2019

1 inch = 200 feet

0 50 100 200 Feet

NO.	DATE	REVISIONS

EVERSOURCE ENERGY

1200/1300 Lines
Structure Replacement Project

Windsor Locks and East Windsor, CT

Date: May, 2022

Map Author: N. Castro

Map Sheet 1 of 1

June 7, 2022

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 Windsor Locks and East Windsor. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-WLEW 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 two existing lattice structures with four new weathering steel structures, which will increase in height. The height increases will vary from 6.5 feet to 20 feet, depending on the location, to comply with current clearance requirements.

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.

Health and Safety Is Our Top Priority

Please know that Eversource remains committed to prioritizing public health as well as the health of employees and contractors. All Eversource personnel follow applicable health and safety guidelines to help prevent the spread of COVID-19.

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-WLEW 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,

Abigail Bowersox

Abigail Bowersox
Eversource Project Manager – Transmission Projects

AFFIDAVIT OF SERVICE OF NOTICE

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

Sec. 16-SOj-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 construction of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal officials:

The Honorable Jason Bowsza, First Selectman
Town of East Windsor, First Selectman's Office
11 Rye Street
Broad Brook, CT 06016

The Honorable Paul M. Harrington, First Selectman
Town of Windsor Locks
50 Church Street
Windsor Locks, CT 06096

I also certify that I caused notice of the proposed modifications to be served by mail or courier upon 2 owners of abutting properties shown on the maps in Attachment B in the Petition.


Susan J. Bellion
Project Siting Specialist

On this the 7th day of June, 2022, before me, the undersigned representative, personally appeared, Susan J. Bellion, 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.

Signature  _____

Notary Public/My Commission expires: _____

Officer of the Superior Court/Juris No.: 413393

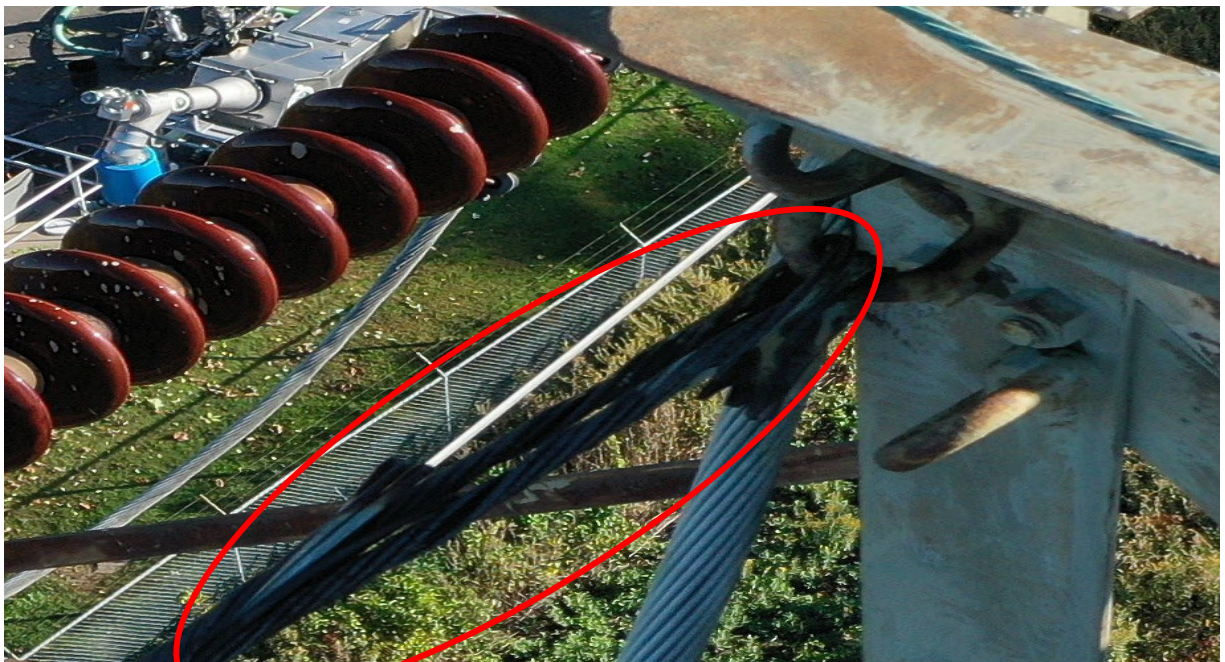
Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6208 – tear on one side of the main support legs



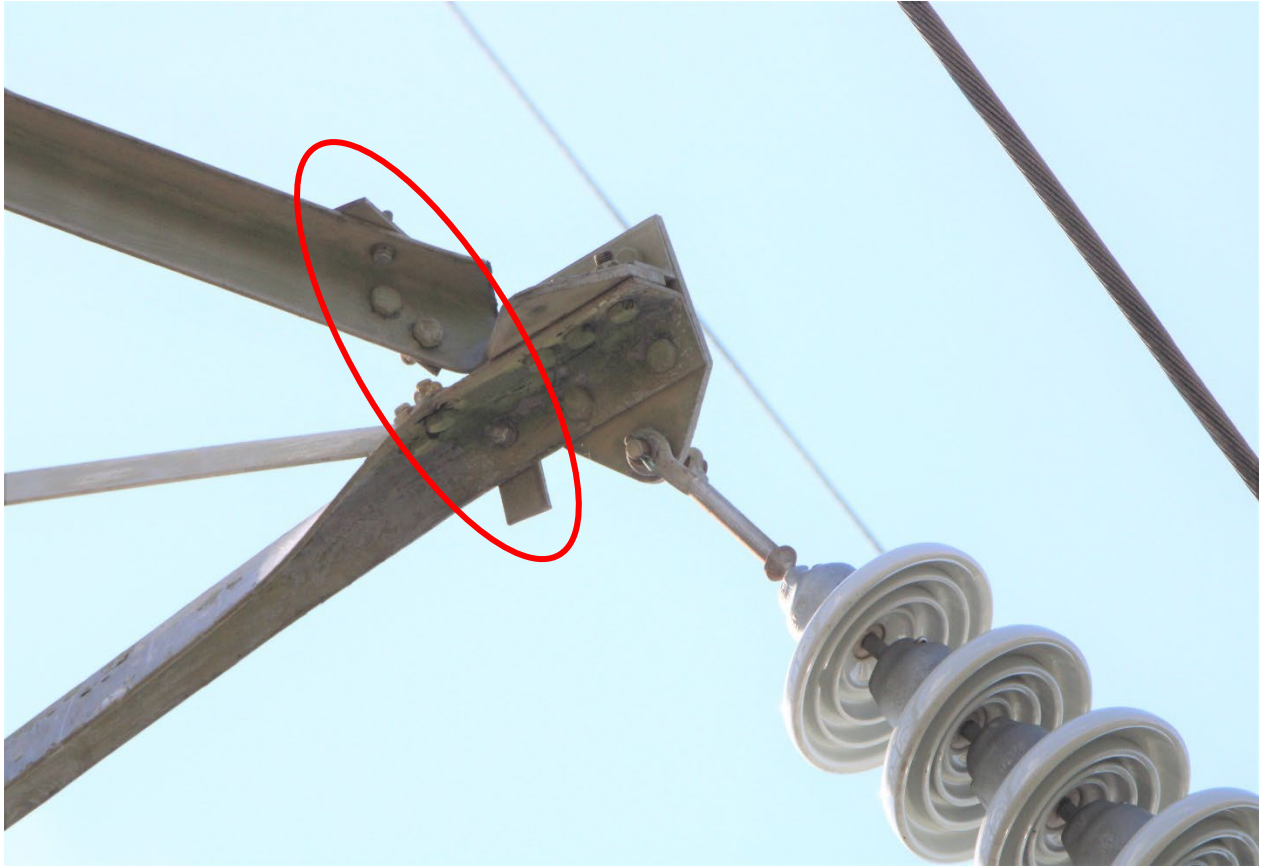
Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6208 – Static has temporary repair that is failing and is in danger of breaking which would cause the static line to fall into river and cause a major outage to the Windsor Locks SS and critical customers.



Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6209 – Has broken cross arm with temporary repair (L-bracket on backside of photo), failure would cause major outage to critical customers fed from the Windsor Locks SS



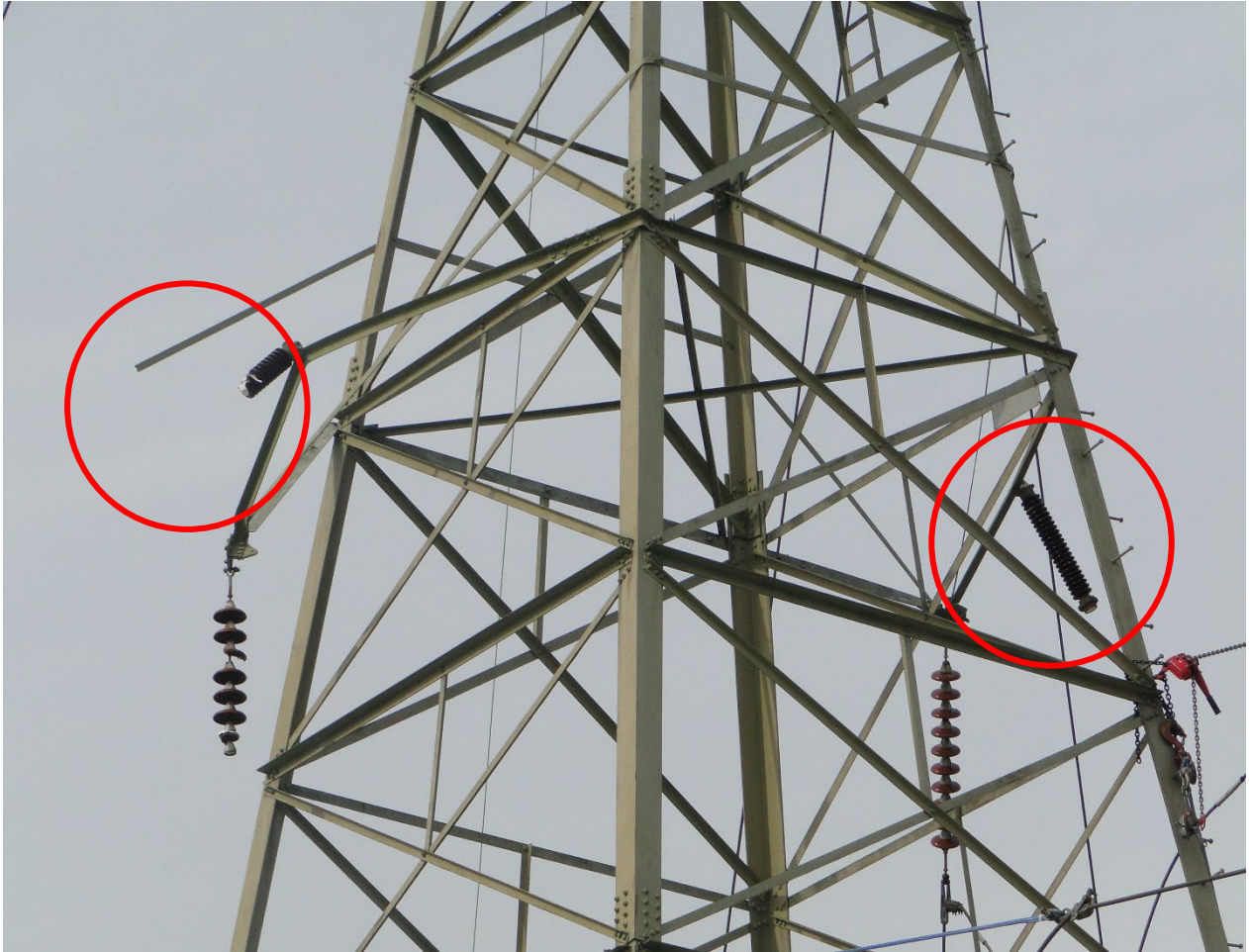
Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6209 – Previous arm failure causing major outage. Only temporary repairs were made.
Seen on previous page



Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6209 – Arm failure causing outage at Windsor Locks SS (both lines 1200 & 1300 were affected by arm failure)



Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6209 – Another view of arm failure



Lines 1200 / 1300 – Lattice Towers
Asset Condition Replacement

STR 6209 – Top arm failure on Line 1200 Side

