

STATE OF NEW HAMPSHIRE

Intra-Department Communication

DATE: March 17, 2022

AT (OFFICE): NH Dept. of Energy

FROM: Michael Soucy *MRS*
Utility Analyst IV – Division of Enforcement

SUBJECT: CRE 2022-008 Eversource Energy
Petition for License and License Amendments to Construct and Maintain
Electric Lines Over and Across State-owned Land in Conway New Hampshire.

Division of Enforcement, **Safety Bureau Recommendation**

TO: Jared Chicoine, Commissioner, Department of Energy
Christopher Ellms, Jr., Deputy Commissioner, Department of Energy

CC: Thomas Frantz, Director of Regulatory Support Division
Paul Kasper, Director, Enforcement Division
Elizabeth Nixon, Director-Electric Regulatory Support Division

The Division of Enforcement's review of the above petition consisted of the following elements:

- Petition contents, replacement petition contents, and history.
- Applicable State statute.
- Review of the existing crossing(s) previously licensed by the PUC, if any.
- Review of land ownership of existing pole structures.
- Review of NESC code requirements as described in Puc 300.
- Review of public need and public impact, including applicability of other State regulations; and
- Conclusions and Recommendations.

1. Petition contents and history

On March 16, 2022, Public Service New Hampshire d/b/a Eversource Energy (Eversource, ES or the Company) filed a petition for a license pursuant to RSA 371:17 to construct and maintain the Eversource C106 Line, which is an existing 115kV transmission line that crosses public land in Conway New Hampshire. The C106 Line was originally constructed in 1995.

The proposed project for the C106 Line encompasses the replacement of 2 structures at the State-owned land crossing. The original wood structures will be replaced with weathering steel structures that will be located within 10 feet of the original location.

The C160 Line existing conductors consist of three phase conductors and one static conductor, whose specifications were identified on Exhibit 2, will be unchanged in the course of relocation to the new steel structures. The location of the State-owned land crossing, which is the subject of this petition was depicted on the Overview Map attached as Exhibit 1.

Exhibit 2 submitted by ES shows that the C106 Line crosses a State-owned railroad approximately 295 feet east of where the C106 Line crosses over NH State Route 302 (a.k.a. Eastman Road), which is approximately 950 feet north along NH State Route 302 from the intersection of E. Conway Road and NH State Route 302. The state land crossing extends approximately 107 feet west where it ends along the northeast side of paved parking lot of property Map 252, Lot 38.

The location of structures 2 to 3 creates a total span of 329 feet, with a span over and across State-owned land of 107.7 feet.

The following table provides the summary of this petition with the crossing to include structure numbers, types, spans, ES design criteria, and NESC compliance:

Dept. of Energy Safety Bureau Summary Table

Eversource 380 Line Rebuild - State Land Crossing Details						
Structure	Type	Span (Pole to Pole)	Distance (feet)	Minimum NESC Table 232-1 Clearance (ft.)	ES Vertical Design Clearance (ft.)	Complies with NESC Table 232-1 (Y/N)
2	75' steel, Type ST2, CLH9	11-12	329	28.1	45.1	Y
3	93.5' steel, Type ST2, CLH9					

2. Review of existing license(s) and permissions previously granted by the PUC for these locations of the State-owned land in Londonderry.

The State-owned land that is the subject of this petition was not previously licensed, either owing to an oversight or because the land at issue was not State-owned at the time of the line's construction.

Eversource Energy asserts that no environmental permits are anticipated to be required to accomplish the two structure replacements at the subject crossing span.

3. Review of land ownership of proposed pole structures

In its petition, Eversource specifies that the unlicensed structures to be replaced pursuant to this petition, cross public land in Conway New Hampshire.

The structure replacement work will be accomplished within existing right-of-way easements thereby mitigating impacts and concerns of property owners affected by the project scope. The work will be undertaken in coordination with New Hampshire Department of Transportation and with the support of police detail as a standard practice.

4. Review of NESC code requirements as described in Puc 300

The Safety Bureau reviewed the specifications related to the design and re-construction of this crossing project as described in the petition, attachments, and all supplemental support documents and corrections filed by the Company and found them to be in conformance with N.H. Admin. Rule Puc 306 and applicable sections of NESC C2-2012.

5. Review of public need and public impact

The C106 Line is an integral part of Eversource's existing electric transmission system in New Hampshire. The crossing locations identified in the petition is in the Town of Conway New Hampshire. The Company asserts in its petition that the existing crossings will be exercised without substantially affecting public rights in the identified State land in New Hampshire.

The Safety Bureau verified that minimum safe line clearances above and across State-owned land will be maintained at all times and determined that public use and enjoyment of the State-owned land and will not be diminished in any material respect as a result of the proposed overhead line crossings.

6. Safety Bureau Recommendation:

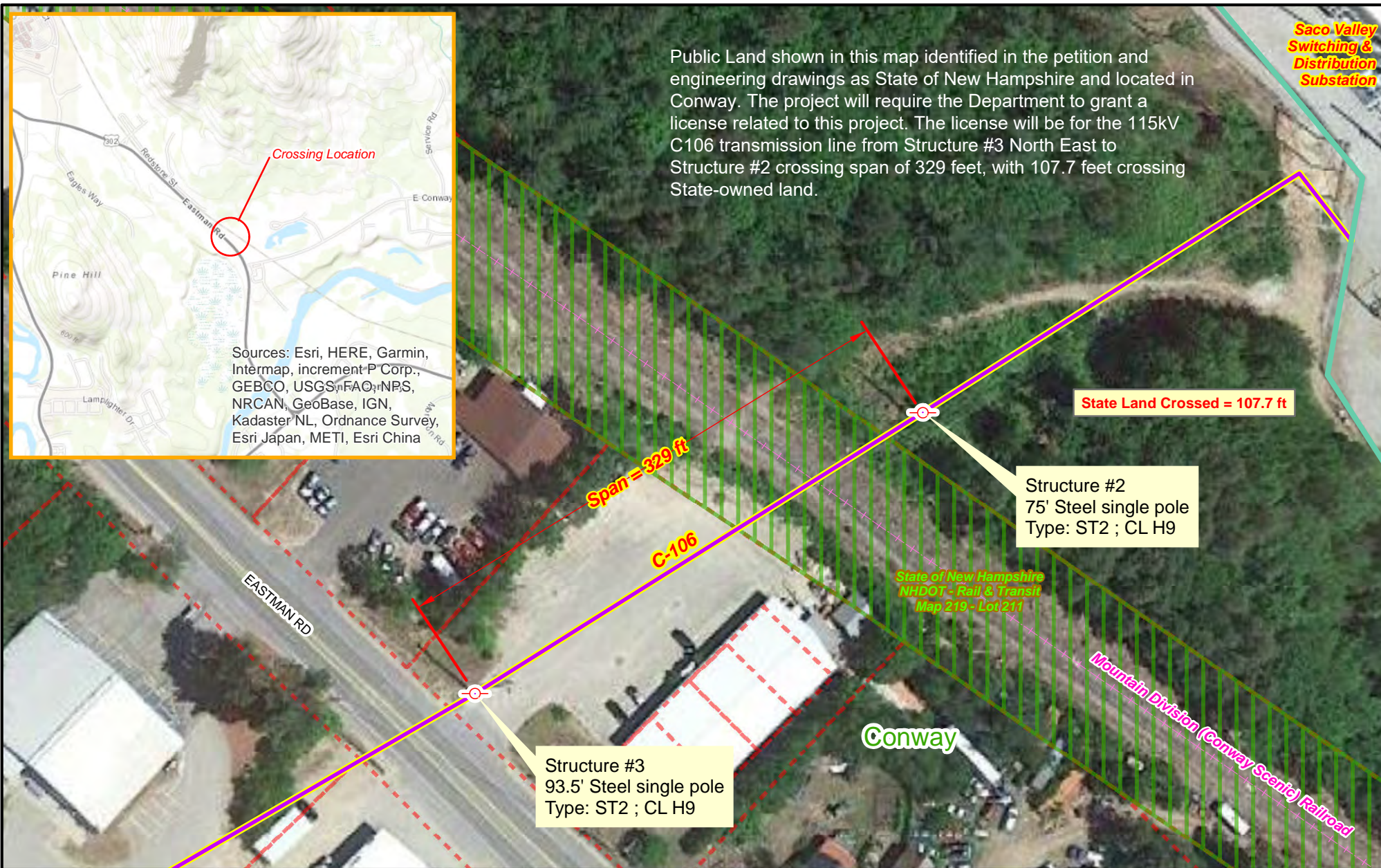
Based on the results of its review of the petition, attachments, and all other supporting documents, the Safety Bureau recommends that the Department:

- 1) Find that the license Eversource requests in this docket may be exercised without substantially affecting the public rights in State-owned land; and

- 2) Grant Eversource a license to construct, install, operate, and maintain electric lines and communication cables pursuant to RSA 371:17 and Puc 306.01, over and across State-owned land in Londonderry New Hampshire as specified in the petition.

Attachments

State Land (NH DOT) - CRE 2022-008 Eversource Crossing



	Utility Structure		State Land Parcel
	115 kV Lines		Town Parcel



	Prepared by:	
	NH Department of Energy Enforcement Division Safety Bureau	