

STATE OF NEW HAMPSHIRE

Intra-Department Communication

DATE: March 14, 2022

AT (OFFICE): NH Dept. of Energy

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

SUBJECT: CRE 2022-005 Eversource Energy
Petition for License and License Amendments to Construct and Maintain
Electric Lines Over and Across State Owned Land in Londonderry 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 10, 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 380 Line, which is an existing 345kV transmission line that crosses public land in Londonderry New Hampshire. The original constructed date of the 380 Line is believed to have been circa 1970.

The proposed project for the 380 Line encompasses the replacement of 3 structures at the State owned land crossing. The replacement structures will be replaced with weathering steel numbered as detailed under the Structure Table submitted. The 380's existing three phase conductors and two static conductors, 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 were depicted on the Overview Map attached as Exhibit 1.

The location of structures 11 to 13 creates a total crossing span of 1216.8 feet with two spans totaling 280.8 feet crossing over state owned land.

Exhibit 2 submitted by ES shows that the 380 Line crosses two State owned land parcels that abut the east and west sides of Interstate 93 between Exit 4 and Exit 5 in Londonderry between Structures 11, 12 and 13. On the east side, the 380 Line crosses state land (Map 013, Lot 057) approximately 3,300 feet west from where the line crosses Route 28 aka Rockingham Road, which is approximately 600 feet northwest from the intersection of Seasons Lane and Route 28. The line continues an additional 231.1 feet across State owned land to the east side of the limited access right-of-way of Interstate 93. The second State owned land crossing (map 013, Lot 014) is located on the west side of the Interstate 93, commencing along the west side of the limited access right-of-way of Interstate 93. The line extends southwest 67.7 feet over State owned land to the abutting property boundary of Map 013, Lot 013. Said property boundary is located approximately 1,600 feet east from where the 380 Line crosses Hovey Road, which is approximately 2,200 feet east from the intersection of Hovey Road and Hardy Road in Londonderry.

The following table provides the summary of this petition with all crossings 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)
11	80.8' steel 2 pole, A, CLH3	11-12	548	24.8	64.6	Y
12	88.3' steel 2 pole, A, CLH3					
13	88.3' steel 2 pole, A, CLH3	12-13	674	24.8	67.4	Y

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 environmental impacts from this project will require permits from the NH Department of Environmental Services and that the Company will obtain these before commencing work.

3. Review of land ownership of proposed pole structures

In its petition, Eversource specifies that the licensed and unlicensed structures to be replaced pursuant to this petition, cross public land in Londonderry 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 Dept. 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 380 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 Londonderry 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 the public waters 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.

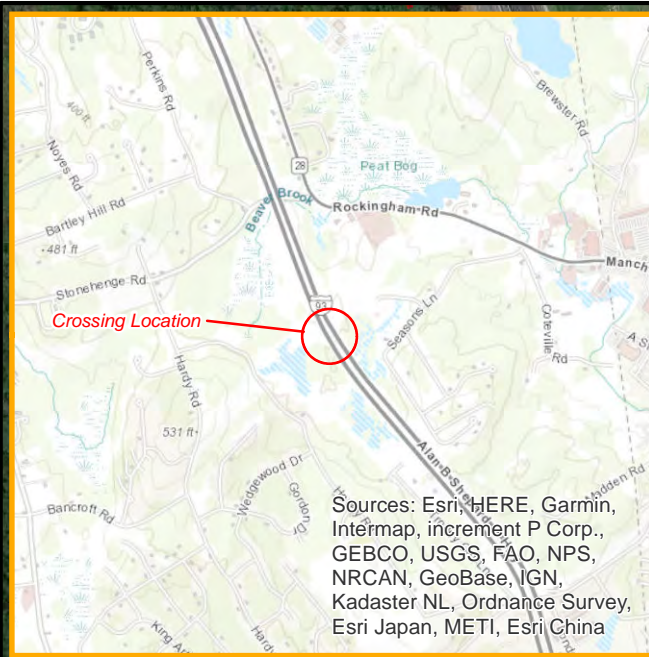
6. Safety Bureau Recommendation:

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

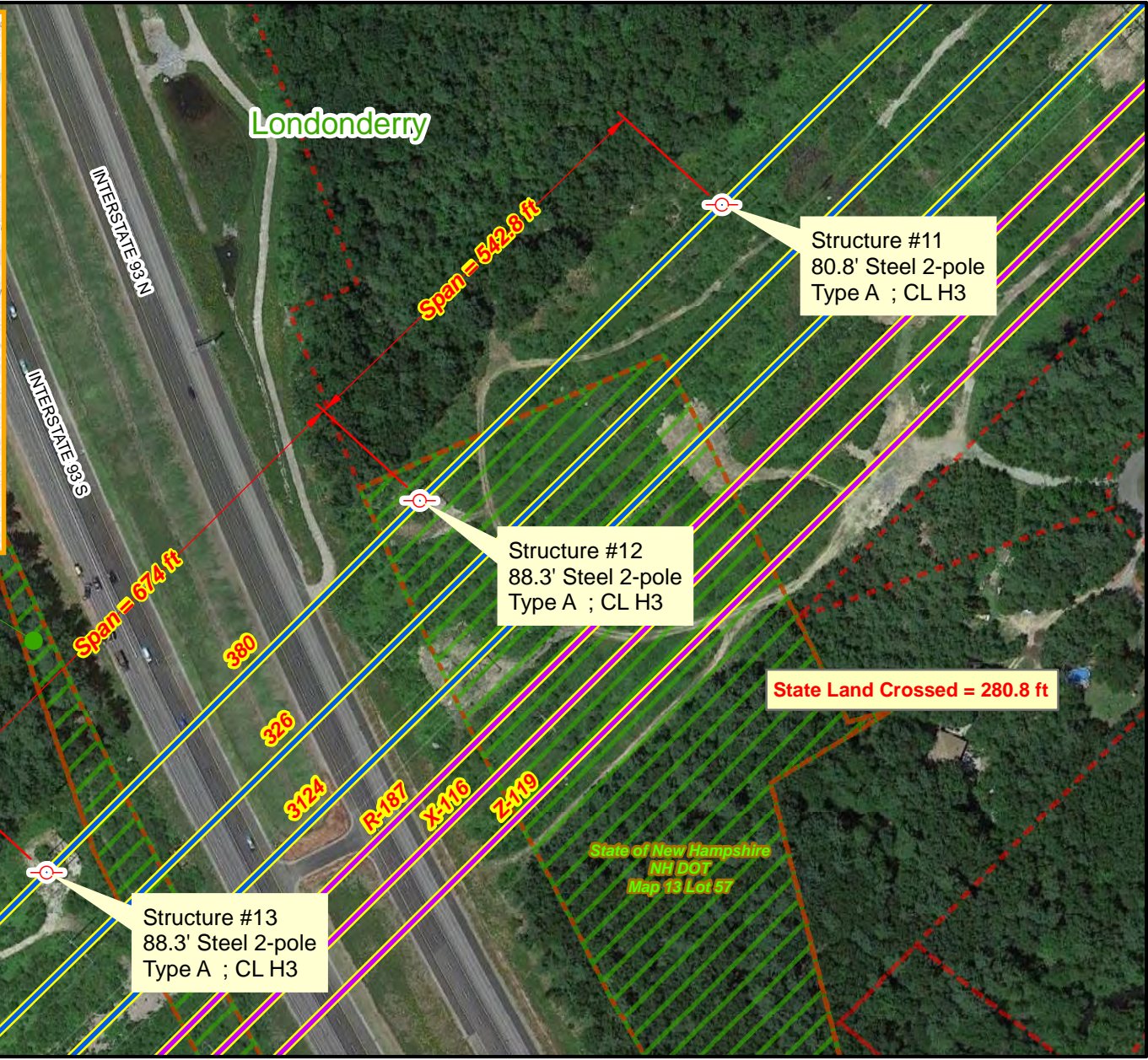
- 1) Find that the license Eversource requests in this docket may be exercised without substantially affecting the public rights in State owned land; and
- 2) Grant Eversource a license to construct, install, operate, and maintain electric lines and communication cables pursuant to RSA 371:17 and Puc 306.01, over and across State owned land in Londonderry New Hampshire as specified in the petition.

Attachments

NH State Land (NHDOT) - CRE 2022-005 Eversource Crossing



Public Land shown in Exhibit 1 identified in the petition and engineering drawings as State of New Hampshire and located in the Town Londonderry. The project will require the Department to grant a license related to this project. The license will be for the 345 kV 380 crossing span 1216.8 feet, with 280.8 feet crossing state land.



	Utility Structure		Parcel
	345 kV Lines		State Land Parcel
	115 kV Lines		



Prepared by:
NH Department of Energy
Enforcement Division
Safety Bureau

