

**THE STATE OF NEW HAMPSHIRE
BEFORE THE
DEPARTMENT OF ENERGY**

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
d/b/a EVERSOURCE ENERGY**

DOCKET No. DE 21-

**PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A
EVERSOURCE ENERGY FOR A LICENSE TO CONSTRUCT AND MAINTAIN
ELECTRIC LINES OVER AND ACROSS STATE OWNED LAND IN LONDONDERRY
AND HUDSON, NEW HAMPSHIRE**

Pursuant to RSA 371:17, Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource” or “the Company”), a public utility engaged in the transmission, distribution and sale of electricity in the State of New Hampshire, hereby petitions the Department of Energy (“Department”), for a license to construct and maintain electric lines over and across State owned land in Londonderry and Hudson, New Hampshire. In support of this petition Eversource states as follows:

1. In order to meet the requirements for reasonable service to the public, Eversource has previously constructed and currently operates and maintains an overhead 115 kV electrical transmission line, designated as the Eversource X116 Line, originally constructed circa 1949 and fully rebuilt in 2007, over and across State owned land encompassing portions of a former railroad bed in Londonderry, and lands adjacent to Interstate 93 in Londonderry, as well as state owned land in Hudson, New Hampshire... The original 1949 construction was licensed for wire crossing by the Boston and Maine Railroad when the subject premises were in private ownership and the reconstruction in 2007 was not licensed through the PUC in an apparent oversight.

2. The X116 was constructed with laminated wood poles and as part of its ongoing asset condition inspection program Eversource has determined that those poles at the State owned land crossing spans that are the subject of this petition need to be replaced to continue to function safely and reliably. Those structures will be replaced with weathering steel equivalents which are

depicted on Exhibits 2 through 6 and which will be located within 10' of the original structure location. The X116's existing three conductors and two static wires, all of whose specifications are identified on the Exhibits' Cable Schedules, will be unchanged in the course of relocation to the replacement steel structures.

3. The State owned land span that is the subject of this petition is depicted on Exhibit 1 as a high-level perspective of the location. Additional site location descriptions of the span is as follows.

Exhibit 2– The X116 Line crosses State owned land encompassing an 107.5 wide rail trail corridor in the town of Londonderry between Structures 5, 6 and 7, just north of the intersection of Route 28, aka Rockingham Road, and Seasons Lane.

Exhibit 3 and 4 – The X116 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 16, 17, 18 and 19. On the east side, the X116 line crosses state land (Map 013, Lot 057) approximately 3,300 feet west from where the line crosses Route 28 aka Rockingham Road, which crossing location is itself approximately 600 feet northwest from the intersection of Seasons Lane and Route 28. The line continues an additional 461 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 Interstate 93 commencing along the west side of the limited access right-of-way of Interstate 93. The line extends southwest approximately 74.1' over State owned land to the abutting property boundary of Map 013, Lot 013. Said Lot 013 boundary is located approximately 1,480' east from where the X116 crosses Hovey Road, which road crossing is itself approximately 2,200' east from the intersection of Hovey Road and Hardy Road in Londonderry.

Exhibit 5 and 6 – The X116 Line crosses State owned land in the Town of Hudson between structures 117, 118, 119 and 120. Said crossing commences approximately 2,000 feet south from where the line crosses Old Derry Road, which road crossing is located approximately 2,270 feet southwest from the intersection of Old Derry Road and Senter Farm Rd. The State owned land crossing then extends approximately 831.8 feet south to the abutting property boundary of Map 131, Lot 022, which point is located approximately 432 feet from where the X116 crosses Timothy Ln.

4. Wire specifications and loading condition to establish maximum sag for the crossing span that is the subject of this petition are as indicated on Profile Views and Cable Schedules of Exhibit 2 through 6.

5. The location of structures and max sag conditions creates the following crossing spans:

State Owned Land: Londonderry Map/Lot 013/143 (Exhibit 2)

- i. Structures: Str. 5 to 7
- ii. Structure Span (ft): 771.2
- iii. State Owned Land Span (ft): 107.5

State Owned Land: Londonderry Map/Lot 013/057 (Exhibit 3 & 4)

- i. Structures: Str. 16 to 18
- ii. Structure Span (ft): 1,089.1
- iii. State Owned Land Span (ft): 461.1

State Owned Land: Londonderry Map/Lot 013/014 (Exhibit 4)

- i. Structures: Str. 17 to 19
- ii. Structure Span (ft): 695.8
- iii. State Owned Land Span (ft): 74.1

State Owned Land: Hudson Map/Lot 122/003 (Exhibit 5 & 6)

- i. Structures: Str. 117 to 120
- ii. Structure Span (ft): 1,008.6
- iii. State Owned Land Span (ft): 831.8

6. All conductors and wires have been drawn on Exhibits 2 through 6 to show the minimum clearance at maximum sag conditions in reference to the State owned land crossings.

7. Eversource will maintain and operate the clearances of the crossings at a height no less than what is required by the 2012 National Electrical Safety Code (NESC, Table 232-1) which is: (i) 28.1' for 115 kV conductor over the track rails of railroads in respect to the State owned land crossings between Structures 5 to 7 (Exhibit 2); and (ii) 20.1' for 115 kV conductor over areas

traversed by vehicles including cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. in respect to the crossings between Structures 16 to 18 (Exhibits 3 and 4), Structures 17 to 19 (Exhibit 4), and between Structures 117 to 120 (Exhibits 5 & 6). The actual minimum height over the State owned lands is depicted on the attached Exhibits 2 through 6 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services (NHDES) wetland statutory permit by notification (SPN) will be required for temporary impacts to wetlands in both Londonderry and Hudson associated with the structure replacements and will be obtained prior to commencement of construction.

9. 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.

10. Eversource submits that the license petitioned for herein may be exercised without substantially affecting the use and enjoyment of the public in the State owned lands because safe clearances to ground will be maintained at all times.

WHEREFORE, Eversource respectfully requests that the Department:

1. Find that the license petitioned for herein may be exercised without substantially affecting the public rights in the State owned lands which are the subject of this petition;
2. Grant Eversource a license to construct and maintain electric lines over and across the State owned lands described in this petition;
3. Issue an order *Nisi* and orders for its publication.

Dated at Manchester, New Hampshire this 2nd day of August, 2021.

Respectfully submitted,
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
D/B/A EVERSOURCE ENERGY
By Its Attorney



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