

**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 Z119 Line, originally constructed in 2008, 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 construction in 2008 was not licensed through the PUC in an apparent oversight but a DOT crossing license for the rail bed between Structures 5 and 6 was obtained.

2. The Z119 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. One of two existing shield wires will be replaced with OPGW communications cable and the Z119's existing three conductors and existing second shield wire, all of whose specifications are identified on the Exhibits' Cable Schedules, will otherwise 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 Z119 Line crosses State owned land encompassing a 107.5 wide rail trail corridor in the town of Londonderry between Structures 5 and 6, just north of the intersection of Route 28, aka Rockingham Road, and Seasons Lane.

Exhibit 3 and 4 – The Z119 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 15, 16, 17 and 18. On the east side, the Z119 line crosses state land (Map 013, Lot 057) approximately 3,380 feet west from where the line crosses Route 28 aka Rockingham Road, which is approximately 480 feet northwest from the intersection of Seasons Lane and Route 28. The line continues an additional 459.1 feet across state land to the where the property abuts the east side of the limited access right-of-way of Interstate 93. The second state land crossing (Map 013, Lot 014) occurs on the west side of Interstate 93 and starts along the west side of the limited access right-of-way of Interstate 93. The line extends southwest approximately 76 feet over state land where it ends at the abutting property boundary of Map 013, Lot 013, which occurs 1,530' east from where the line crosses Hovey Road, which is approximately 2,260' east from the intersection of Hovey Road and Hardy Road in Londonderry.

Exhibit 5 and 6 – The Z119 Line crosses state owned land in the Town of Hudson between structures 115, 116, and 117. The crossing location starts approximately 1,650 feet south from where the line crosses Old Derry Road, which is located approximately 2,325 feet southwest from the intersection of Old Derry Road and Senter Farm Rd. The line extends approximately 812.2 feet south over state land and ends at the property boundary of Map 122, Lot 003 (State owned land) and Map 131, Lot 022, which is located approximately 1,075 feet from where the Z119 Line 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.

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

- i. Structures: Str. 5 to 6
- ii. Structure Span (ft): 617.7
- iii. State Owned Land Span (ft): 107.5

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

- i. Structures: Str. 15 to 17
- ii. Structure Span (ft): 987.8
- iii. State Owned Land Span (ft): 459.1

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

- i. Structures: Str. 16 to 18
- ii. Structure Span (ft): 830.6
- iii. State Owned Land Span (ft): 76.0

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

- i. Structures: Str. 115 to 117
- ii. Structure Span (ft): 900.1
- iii. State Owned Land Span (ft): 812.2

5. 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.

6. 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 6 (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 15 to 17 (Exhibits 3 and 4), Structures 16 to 18 (Exhibit 4), and between Structures 115 to 117 (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.

7. 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.

8. 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.

9. 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 4th day of August, 2021.

Respectfully submitted,
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D/B/A EVERSOURCE ENERGY
By Its Attorney



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