

**THE STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION**

**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,
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 Public Utilities Commission (“Commission”), for a license to construct and maintain electric lines over and across State owned land in Londonderry, 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 R187 Line, originally constructed around 2002, over and across State owned land in Londonderry, New Hampshire. The State owned land crossing that is the subject of this petition was not previously licensed, likely owing to an oversight.

2. As part of its ongoing asset condition inspection program, Eversource determined that original laminated wood structures at the three State owned land crossing spans that are the subject of this petition (encompassing renumbered replacement Structures 5, 6, 12, 13, 14 & 15; original numbered Structures 3, 4, 10, 11, 12 & 13) need to be replaced to continue to function safely and reliably. Those structures will be replaced with weathering steel equivalents that will be located within 10’ of the original structure location. The R187’s existing three conductors and one shield wire, whose specifications are identified on the Exhibit 2, 3 & 4 Cable Schedules, will be unchanged in the course of relocation to the new steel structures.

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

Exhibit 2 – The R187 Line crosses the State of New Hampshire Department of Transportation (“DOT”) property Map 013, Lot 143 in the Town of Londonderry between existing structures 3 and 4 (new structures 5 and 6). Said DOT property is a rail trail corridor, approximately 81.6’ wide, which is located just north of the intersection of Route 28, aka Rockingham Road, and Seasons Lane where the R187 Line crosses said rail trail corridor.

Exhibit 3 and 4 – The R187 crosses the State of New Hampshire Department of Public Works (“DPW”) property Map 013, Lot 057 in the Town of Londonderry between existing structures 10 to 12 (new structures 12 to 14) and is approximately 3,000 feet from where the line crosses Route 28 aka Rockingham Road, which is approximately 660 feet northwest from the intersection of Route 28/Rockingham Road and Season Lane. The crossing extends an additional 462.4 feet southeast to the DPW property boundary where it abuts the easterly edge of the north-bound side of Interstate 93.

The R187 line continues over Interstate 93 where it crosses the DPW property Map 013, Lot 014 between existing structures 11 to 13 (new structures 13 to 15), which borders the westerly side of the south-bound side of Interstate 93. The crossing span extends approximately 72.6’ to the western DPW property boundary, which is located approximately 1,500 feet northeast from the point at which the line crosses Hovey Road, which point is located approximately 2,100 feet from the intersection of Hardy Road and Hovey Road.

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 Exhibits 2, 3 & 4.

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

- (a) State Owned Land: Londonderry Map 13, Lot 143 (Exhibit 2)
 - i. Renumbered Replacement Structures: 5 to 6
 - ii. Structure Span (ft): 528.2
 - iii. State Owned Land Span (ft): 81.6
- (b) State Owned Land: Londonderry Map 13, Lot 57 (Exhibit 3)
 - iv. Renumbered Replacement Structures: 12 to 14
 - v. Structure Span (ft): 1,177.7
 - vi. State Owned Land Span (ft): 462.4
- (c) State Owned Land: Londonderry Map 13, Lot 014 (Exhibit 4)
 - vii. Renumbered Replacement Structures: 13 to 15
 - viii. Structure Span (ft): 951.3
 - ix. State Owned Land Span (ft): 72.6

6. All conductors and static wires have been drawn on Exhibits 2, 3 & 4 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 28.1' for 115 kV wires over rail trail measured to the track rails of railroads in relation to the crossing span between renumbered Structures 4 to 5, and which is 20.1' for 115 kV wires over other areas traversed by vehicles including cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. The actual minimum height over the State owned lands is depicted on the attached Exhibits 2, 3 & 4 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services wetland statutory permit by notification (SPN) will be required for temporary impacts to wetlands associated with the structure replacements at the locations that are the subject of this petition 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. Coordination with DOT where the R187 crosses Interstate 93 will be undertaken to ensure the safety of the traveling public.

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 Commission:

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 30th day of June, 2021.

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



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