

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

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
D/B/A EVERSOURCE ENERGY**

Docket No. DE 19-_____

**PETITION FOR LICENSE TO CONSTRUCT AND MAINTAIN ELECTRIC LINES
OVER AND ACROSS LAND OWNED BY THE STATE OF NEW HAMPSHIRE
IN MASON AND GREENVILLE, 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 certain land owned by the State of New Hampshire (“State”) in Mason and Greenville, New Hampshire, and in support of this petition states as follows:

1. In order to meet the reasonable requirements of service to the public, Eversource has previously constructed and currently operates and maintains an overhead 345 kV electrical transmission line, designated as the Eversource 367 Line, over and across two parcels of land owned by the State of New Hampshire, as shown in Exhibit #1. The parcel in Mason is designated as Tax Map A, Lot 6, on the Town of Mason’s tax records and is part of the Russell-Abbott State Forest. This crossing was previously licensed by the Commission under Order No. 9,965 dated May 19, 1970, issued in Docket D-E5850 (55 NHPUC 291). The state land parcel in Greenville is designated as Tax Map 03, Lot 010. It was not previously licensed, as the land was in private ownership when the 367 Line was originally constructed, and no Commission license was required.

2. Eversource is commencing a project to modify or rebuild a number of the structures on its existing 367 Line, which will impact the crossing locations that are the subject of this petition. Certain of the 367 Line wood transmission structures are

approximately 49 years old and have been subject to environmental damage and require replacement or modification for the Line to continue to function safely and reliably. This structure replacement and repair project is part of a reliability project for the 367 Line to continue to meet current as well as future projected electricity demands. No conductor, shield wire or neutral wire will be replaced as part of this project; instead, existing conductors and wire will be transferred to the new structures (Str. 253, 257, 258), which will be a steel structure replacement of the wood structures.

3. Between 2015-2018, Eversource completed seven (7) structure replacements (Str. 237, 238, 239, 252 , 254, 255, 256) along the existing 367 transmission line, which impacted the state land crossings which are the subject of this petition. A petition was not submitted prior to this work being completed, and as such, will be licensed under this petition. No conductor, shield wire or neutral wire was replaced as part of the project; instead, existing conductors and wires were transferred to the new structures, which were a steel structure replacement of the wood structures.

4. The attached Exhibit #1 – Overview Map, dated June 2019, shows the general location of the 367 Line crossings over the State’s land parcel to be rebuilt as part of Eversource’s project. The design and proposed construction of the replacement crossings for the 367 Line over the State’s land parcel will be in accordance with the National Electrical Safety Code (NESC), as shown on the Eversource Plan and Profile Drawing for the State land crossings, attached as Exhibits #2, #3, and #4.

5. Wire and structure specifications:

a. NH Forestry & Recreation Department Property Crossing, Tax Map A, Lot 6, Mason (Exhibit 1):

i. Wire:

1. Shield Wire: 7#8 Alumoweld & OPGW
2. Transmission Wire: 850.8 ACSR 45/7

- ii. Structure Type and Pole Height:
 - 1. Str 237: H-Frame Steel Structure, 75' Overall Height (OAL), 61' Aboveground Height (AGH)
 - 2. Str 238: H-Frame Steel Structure, 105' OAL, 95.5' AGH
 - 3. Str 239: H-Frame Steel Structure, 85' OAL, 74.5' AGH
 - b. NH Forestry & Recreation Department Property Crossing, Tax Map A, Lot 6, Mason (Exhibit 1):
 - i. Wire:
 - 1. Shield Wire: 7#8 Alumoweld & OPGW
 - 2. Transmission Wire: 850.8 ACSR 45/7
 - ii. Structure Type and Pole Height:
 - 1. Str 252: H-Frame Steel Structure, 75' OAL, 61' AGH
 - 2. Str 253: H-Frame Steel Structure, 100-90' OAL, 88' AGH
 - 3. Str 254: H-Frame Steel Structure, 85' OAL, 74.5' AGH
 - 4. Str 255: H-Frame Steel Structure, 90' OAL, 79' AGH
 - 5. Str 256: H-Frame Steel Structure, 80' OAL, 70' AGH
 - 6. Str 257: 3-Pole Steel Structure, 105-100' OAL, 92.5' AGH
 - 7. Str 258: H-Frame Steel Structure, 110' OAL, 97' AGH
6. The locations of the structures create the following crossing spans:
- a. NH Forestry & Recreation Dept. Property Crossing, Tax Map A, Lot 6, Mason (Exhibit 2):
 - i. Structures: 237-239
 - ii. Structure Span (ft): 1,636
 - iii. Public Land Span (ft): 1,272
 - b. NH Forestry & Recreation Dept. Property Crossing, Tax Map 03, Lot 010 (Exhibits 3 and 4):
 - i. Structures: 252-258
 - ii. Structure Span (ft): 3,788
 - iii. Public Land Span (ft): 2,577

7. All conductors have been drawn in Exhibits 2 and 3 to show the maximum sag conditions in reference to the public lands.

8. The Petitioner will maintain and operate the clearance of the wire crossing over the land at a height no less than is required by the 2017 National Electrical Safety Code (NESC, Table 232-1) which is 25.2 feet to ground for 345kV open supply conductors.

9. A NHDES Utility Maintenance Notification (UMN) is required for temporary impacts to nontidal wetlands associated with construction activities. The UMN's were accepted by NHDES on January 7, 2019 for the Towns of Greenville and Mason.

10. It is not anticipated that abutters on either side of the State land crossing will be affected by this petition, as the 367 Line is an existing line, and the crossing structures are being replaced and rebuilt within Eversource's existing utility easements.

11. Eversource submits that the license petitioned for herein may be exercised without substantially affecting the rights of public lands of Mason. Minimum safe Line clearances above the land surfaces will be maintained at all times. The use and enjoyment of the public lands will not be diminished in any material respect as a result of the replacement of the structures and associated overhead line crossings.

WHEREFORE, Eversource respectfully requests that the Commission:

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

Respectfully submitted this 21st day of June, 2019.

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

By: _____

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