

**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  
FITZWILLIAM, 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 Fitzwilliam, New Hampshire. in support of this petition Eversource 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 379 Line, over and across one parcel of land owned by the State of New Hampshire, as shown in Exhibit #2. The parcel is situated off Rockwood Pond Road in Fitzwilliam, and is designated as Tax Map 99, Lot 1 on the Town of Fitzwilliam's tax records. The 379 Line crossing of the State's land parcel has not been previously licensed, as this parcel was a railroad corridor in private ownership when the 379 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 379 Line, which will impact the crossing location that is the subject of this Petition. Certain of the existing 379 Line wood transmission line structures are approximately 49 years old and have been subject to environmental damage and require replacement or modification for the lines to continue to function safely and reliably. This

structure replacement and repair project is part of a reliability project necessary for the 379 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 wires will be transferred to the new structures (Str. 446, 447), which will be a steel structure replacement of the wood structures.

3. The attached Exhibit #1 – Overview Map, dated June 2019, shows the general location of the 379 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 379 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 Exhibit #2.

4. Wire and structure specifications for the State land crossings are as follows:

**A. Tax Map 99, Lot 1 – Fitzwilliam, New Hampshire**

**I. Wire:**

- i. Shield Wire: 7#8 Alumoweld
- ii. Transmission Wire: 850.8 kcmil ACSR 45/7
- iii. OPGW Wire 0.646” diameter

**II. Structure Types and Pole Heights: From east to west**

- i. Str 446: A 2-Pole, 2-85' OAL (74.5' AGH)
- ii. Str 447: A 2-Pole, 2-85' OAL (74.5' AGH)

5. The location of the structures creates the following crossing span:

**A. State of New Hampshire Land Crossing: Tax Map 99, Lot 1**

- Structure Span (ft): 1 span @ 517.61
- State Land Span (ft): 84.5

6. All conductors and wires have been drawn in Exhibit #2 to show the maximum sag conditions in reference to the State lands.

7. Eversource will maintain and operate the clearances of the crossing over the State land locations at a height no less than what is required by the 2017 National Electrical Safety Code (NESC, Table 232-1), which is 25.2 feet to ground for 345 kV open supply conductors over any vehicle/horse accessible areas. The minimum height over the State land is depicted on the attached Exhibit #2.

8. A NHDES Utility Maintenance Notification is required for construction access and work activities which involve the temporary alteration of nontidal wetlands, nontidal surface waters, and banks adjacent to nontidal surface waters under one (1) acre and is applicable to the State land crossings. A permit application was submitted in early January 2019 and accepted by NHDES on January 14, 2019 for the Town of Fitzwilliam (See NHDES File # 2019-00120).

9. It is not anticipated that abutters on either side of the State land crossing will be affected by this petition, as the 379 Line is an existing line, and the crossing structures are being replaced and rebuilt within Eversource's existing utility easements. As explained in footnote 1 herein, the State's land parcel was acquired by the State subject to the Eversource right of way easement, and no new or additional real property rights are required to replace the structures within the State's parcel.


10. Eversource submits that the license petitioned for herein may be exercised without substantially affecting the rights of the public in the State's land parcel. Minimum safe clearances above the land surfaces will be maintained at all times. The use and enjoyment by the public of the State's land parcel will not be diminished in any material respect as a result of the replacement of the overhead line crossings.

**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 land which is 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 11th day of June, 2019.

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

By:   
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