

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

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

DOCKET No. CR 2023 - 020

**APPLICATION 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 PORTSMOUTH,
NEW HAMPSHIRE**

Pursuant to RSA 371:17, Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource”), a public utility engaged in the transmission, distribution and sale of electricity in the State of New Hampshire, hereby submits an application to the Department of Energy (“Department”), for a license to construct and maintain electric lines over and across State-owned land in Portsmouth, New Hampshire. In support of this application 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 U181 Line, originally constructed in 1950 over and across State-owned land in Portsmouth, New Hampshire. The State-owned land crossing between Structures 44 to 56, that is the subject of this application, has not been previously licensed. Structures 46, 47, 55, and 56 were replaced in 2017 and was not licensed due to an oversight. As a result of this application, the entire U181 Line will be fully licensed.

2. As part of its ongoing asset condition inspection program, Eversource determined that Structures 44, 45, and 48 through 54, existing wood structures, part of the State-owned land crossing span that is the subject of the application, need to be replaced promptly to continue to function safely and reliably. The structures will be replaced with a weathering steel equivalent and Structures 44, 45, and 48 through 54 will be located within 10’ of the current structure location. Structures 46, 47, 55, and 56 were replaced from wood to weathering steel in 2017 within 10’ of

the current structure location. The U181's existing three conductors, and two shield wires, whose specifications are identified on Exhibit 2 and 3, will be unchanged in the course of performing the steel structure replacement.

3. The location of the State-owned land crossing which are the subject of this application are depicted on the Overview Map attached hereto as Exhibit 1 and a more detailed location description is as follows:

Exhibit 2 to 3 – The U181 Line crosses state owned property in the City of Portsmouth between Structures 44 and 56, which is known as the Great Bog property owned by New Hampshire Fish and Game. The crossing starts along the southern edge of Greenland Road Ave (aka NH Route 33) where the line crosses approximately 55 feet west of the intersection of Greenland Road and Dodge Ave. The crossing extends approximately 4,400 feet south to the property boundary of Map 282, Block 5 in the City of Portsmouth, which is approximately 4,800 feet from where the line crosses Ocean Road, which line crossing location is approximately 650 southeast from the intersection of Ocean Road and Buckminster Way.

4. Wire specifications and loading condition to establish maximum sag for the crossing span that is the subject of this application is as indicated on Profile View and Cable Schedule of Exhibit 2 and 3.

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

- (a) State-owned Land: Portsmouth Map/lot 258/54 (Exhibit 2 & 3)
 - i. Structures: 44 to 56
 - ii. Structure Span (ft): 5,070.4
 - iii. State-owned land Span (ft): 4,400

6. All conductors and wires have been drawn on Exhibit 2 and 3 to show the minimum clearance at maximum sag conditions in reference to the State-owned land crossing.

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 20.1' for 115 kV conductor over other areas traversed by vehicles, such as cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. The actual minimum height over

the State-owned land is depicted on the attached Exhibit 2 and 3 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services (NHDES) Standard Dredge and Fill (SDF) permit will be required for impacts associated with the structure replacements and will be obtained prior to commencement of construction. A NHDES Utility Maintenance Notification (UMN) was obtained for temporary impacts associated with the structure replacements completed in 2017, UMN # 2017-00116.

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 applied for herein may be exercised without substantially affecting the use and enjoyment of the State-owned land because safe clearances will be maintained at all times.

WHEREFORE, Eversource respectfully requests that the Department:

1. Find that the license applied for herein may be exercised without substantially affecting the public rights in the State-owned land crossing which is the subject of this application;
2. Grant Eversource a license to construct and maintain electric lines across State-owned land described in this application;

Dated at Manchester, New Hampshire this 23rd day of August, 2023.

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



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