

**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 -

**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 PUBLIC WATERS AND STATE-OWNED
LAND IN FREMONT, 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 submits an application to the Department of Energy (“Department”), for a license to construct and maintain electric lines over public waters and State-owned land in Fremont, 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 R193 Line, originally constructed in 1975. The R193 Line crosses public waters at the Exeter River between Structures 277 and 278 and again between Structures 278 and 279. These crossing spans were not previously licensed due to the waterbody not being designated as public waters prior to the line being built, or due to an oversight. The R193 Line also crosses State-owned land between Structures 278 and 279, which crossing span was similarly not previously licensed due to the line being built prior to the State having ownership, or due to an oversight. As result of this application, the entire public water crossing between Structures 277 to 279 and the State-owned land crossing between Structure 278 and 279 will be licensed.

2. As part of its ongoing asset condition inspection program, Eversource determined that certain existing wood structures at the public water crossing and State-owned land spans that are the subject of the application, Structures 277, 278, and 279, need to be replaced promptly to continue to function safely and reliably. The replacement structures will be weathering steel equivalents that will be located within 10' of the original structure location. The R193's existing three conductors, one static wire, and one ADSS wire, whose specifications are identified on Exhibit 2, will be unchanged in the course of performing the structure replacements.

3. The locations of the public water crossings and State-owned land 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 – The R193 Line crosses the Exeter River between Structures 277 and 278 and between Structures 278 and 279, which spans commence approximately 335 feet from where the R193 Line crosses Red Brook Rd, which is located approximately 780 feet east from the intersection of Red Brook Road and Danville Road (aka NH Route 111A). The span continues southwest approximately 56.7 feet to the west bank of the Exeter River. The second section of the Exeter River crossing is between Structures 278 and 279, which span commences approximately 820 feet from where the R193 Line crosses Red Brook Rd. The span continues approximately 86 feet southwest to the where the bank is immediately east of where the R193 Line crosses Danville Road (aka NH Route 111A).

The R193 Line crosses State-owned land between Structures 278 and 279, which span commences along the western edge of Danville Road (aka NH Route 111A) where the R193 Line crosses Danville Road, which is approximately 120 feet north from the intersection of S Rd and Danville Road. The span continues 93.8 feet southwest where the State-owned land ends along the boundary of S Rd along the R193 alignment.

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 Exhibits 2. The flood elevation used to determine the clearance over the Exeter River is as indicated in Note 3 to Exhibit 2.

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

- (a) Public Water Crossing: Exeter River, Fremont (Exhibit 2)
 - i. Structures: 277 to 278
 - ii. Structure Span (ft): 412
 - iii. Exeter River Span (ft): 56.7

- (b) Public Water Crossing: Exeter River, Fremont (Exhibit 2)
 - i. Structures: 278 to 279
 - ii. Structure Span (ft): 458.8
 - iii. Exeter River Span (ft): 86.2

- (c) State-owned Land: Fremont Map/Block 2/30 (Exhibit 2)
 - i. Structures: 278 to 279
 - ii. Structure Span (ft): 457.8
 - iii. State-owned land Span (ft): 93.8

6. All conductors and wires have been drawn on Exhibit 2 to show the minimum clearance at maximum sag conditions in reference to the public water crossings and State-owned land. The flood elevation used to determine the clearance over the public waters spans is as indicated in Note 3 on Exhibit 2.

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 14.0' for ADSS wire over water areas not suitable for sail boating or where sail boating is prohibited in respect to the crossings between Structures 277, 278 and 279 (Exhibit 2), and is 15.5' for ADSS wire over areas traversed by vehicles including cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. in respect to the crossing between Structures 278 and 279 (Exhibit 2). The actual minimum height over the public waters and State-owned lands is depicted on the attached Exhibit 2 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services (NHDES) wetland statutory permit by notification (SPN) and a shoreland SPN will be required for temporary impacts associated with the structure replacements and will be obtained prior to commencement of construction.

9. The U.S. Army Corps of Engineers (ACOE) does not regulate any portions of the Exeter River as navigable waters and therefore a wire crossing permit is not required.

10. 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.

11. Eversource submits that the license applied for herein may be exercised without substantially affecting the use and enjoyment of the public water body and State-owned land because safe clearances will be maintained at all times.

WHEREFORE, Eversource respectfully requests that the Department:

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

Dated at Manchester, New Hampshire this 11th day of April, 2023.

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



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