

**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 - 008

**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 EXETER, BRENTWOOD, AND 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 in Fremont and State-owned land in Exeter and Brentwood, 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 H141 Line, originally constructed in 1950. The H141 Line crosses State-owned land between Structures 164 to 170, and between Structures 179 to 182, which crossing spans were not previously licensed due to the line being built prior to the State having ownership, or due to an oversight. The public water crossing at the Exeter River between Structures 251 and 252 was not previously licensed due to the waterbody not being designated prior to the line being built, or due to an oversight. As result of this application, the entire State-owned land crossings between Structure 164 to 170, and 179 to 181, and the public water crossing between Structures 251 and 252 will be licensed.
2. As part of its ongoing asset condition inspection program, Eversource determined that certain existing wood structures at the State-owned land and public water crossing spans that are

the subject of the application, Structures 164, 169, 179, 180, 181, 250 and 251 need to be replaced promptly to continue to function safely and reliably; inspections determined that Structures 165, 166, 167, 168, and 170 are not in need of replacement. The replacement structures will be weathering steel equivalents that will be located within 10' of the original structure location. The H141's existing three conductors, one static wires, and one optical ground wire (OPGW), whose specifications are identified on Exhibit 2, 5 and 6, will be unchanged in the course of performing the structure replacements.

3. The locations of the State-owned land and public water crossings 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 and 3 – The H141 Line crosses a State-owned land parcel administered by NH Fish and Game in the Town of Exeter between Structures 164 and 170, which span commences approximately 1,250 feet west from where the H141 Line crosses Beech Hill Road in the Town of Exeter, which is approximately 338 feet south from the intersection of Beech Hill Road and Oaklands Road. The span continues approximately 2,300 feet west to a property boundary between the State-owned land and Map 28, Lot 13, and Map 28, Lot 14 properties, which is approximately 900 feet east from where the line crosses Old Town Farm Road, approximately 1,700 feet north from the intersection of Old Town Farm Road and Water Road (aka NH Route 27).

Exhibit 3 and 4 – The H141 Line crosses a State-owned land parcel administered by NH Department of Transportation in the Town of Brentwood between Structures 179 and 181, which span commences approximately 1,365 feet northeast from where the H141 Line crosses Pine Road, which is approximately 2,600 feet south from the intersection of Pine Road and Exeter Road (aka NH Route 27). The span continues southwest approximately 641 feet to a property boundary between State-owned land and Map 205, Block 18, which is approximately 434 feet northeast from where the H141 Line crosses Pine Road. A second state land crossing associated with Map 203, Block 36 is located immediately southwest of Pine Road and encompasses approximately 22 feet between Structure 181 to Structure 182.¹

Exhibit 5 and 6 – The H141 Line crosses the Exeter River between Structures 250 and 251, which span commences approximately 483 feet from where the H141 Line crosses Red Brook

¹ The H141 Line was licensed over state-owned land, Brentwood Map 203, Block 36, from Structure 181 to 189 under License No. CR 2021-011. No work will be performed on or over that State owned land in the course of the current maintenance project that is the subject of the present application.

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 37.2 feet to the west bank of the Exeter River.

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 through 6. The flood elevation used to determine the clearance over the Exeter River is as indicated in Note 1 to Exhibit 6.

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

(a) State-owned Land: Exeter Map/lot 17/9 (Exhibit 2 and 3)

i. Structures: 164 to 170

ii. Structure Span (ft): 2,867.4

iii. State-owned land Span (ft): 2,299.7

(b) State-owned Land: Brentwood Map/Block 205/15, 203/26 (Exhibit 3 and 4)

i. Structures: 179 to 181

ii. Structure Span (ft): 1,118.9

iii. State-owned land Span (ft): 641.5

(c) Public Water Crossing: Exeter River, Fremont (Exhibit 6)

i. Structures: 250 to 251

ii. Structure Span (ft): 607.8

iii. Exeter River Span (ft): 37.2

6. All conductors and wires have been drawn on Exhibit 2, 4, and 6 to show the minimum clearance at maximum sag conditions in reference to the State-owned land and public water 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 20.1' for 115 kV conductor over areas traversed by vehicles including cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. in respect to the crossing between Structures 164 to 170 (Exhibit 2 and 3), and Structures 179 to 181 (Exhibits 4 and 5), and is 18.6' for 115 kV conductor over water areas not suitable for sail boating or where sail boating is prohibited in respect to the crossing between Structure 250 and 251. The actual minimum height

over the State-owned lands and public water is depicted on the attached Exhibits 2, 4 and 6 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 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 and public water body 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 State-owned land and public water crossings which is the subject of this application;

2. Grant Eversource a license to construct and maintain electric lines over and across State-owned land and public waters described in this application;

Dated at Manchester, New Hampshire this 19th day of April, 2023.

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



Erik R. Newman, Senior Counsel, Legal

780 North Commercial Street
Manchester, NH 03101
(603) 634-2459