

**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 - 004

**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 DOVER, 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 the Department of Energy (“Department”) for a license to construct and maintain electric lines over and across public waters and state-owned land in Dover, 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 M183 Line, which was originally built in 1971 between Madbury Substation in Madbury and Cocheco Substation in Dover. The public water crossing at the Cocheco River that is the subject of this application was previously licensed under Order #25,156 (DE 10-224), and the state-owned land crossing that is also subject of this application was not previously licensed either owing to oversight or, because at the time the line was built the State did not have ownership over the subject parcel. The M183 Line will be licensed in its entirety as a result of this application.

2. The proposed project for the M183 encompasses a structure replacement whereby Structure 88 at the public water and Structures 81 through 85 at the state-owned land crossing span are to be replaced with a weathering steel equivalent having the design and specification depicted and noted

in the Structure Details of Exhibits 2 and 4. Existing wood Structure 87 at the public water span does not require replacement and will remain unchanged.

3. The new structure locations will be installed within 10 feet of the existing locations.

4. The locations of the public water and state-owned land crossing which is the subject of this application is depicted on the Overview Map attached hereto as Exhibit 1 and a more detailed location description is as follows:

Exhibit 2 and 3 – The M183 Line crosses state owned land administered by New Hampshire Fish and Game known as the Cochecho Wildlife Management Area between structures 80 and 84, which span begins approximately 1,300 feet northwest from where the M183 Line crosses McKone Lane, which crossing is approximately 170 feet east from the intersection of Henry Law Ave and McKone Lane. The span continues approximately 1,405' northwest where it ends at the property boundary of Map k, Lot 1, which is a City of Dover property known as Maglaras Park

Exhibit 4 – The M183 Line crosses the Cochecho River between Structures 87 and 88 in Dover, which span begins approximately 4,000 feet northwest from where the M183 Line crosses McKone Lane, which crossing is approximately 170 feet east from the intersection of Henry Law Ave and McKone Lane. The span continues over the Cochecho River approximately 114 feet to the north bank of the Cochecho River at a point that is directly south of Eversource's Cochecho Substation along Cochecho Street and approximately 600 feet east from the intersection of Cochecho Street and Rogers Street in Dover.

5. Wire specifications and loading condition to establish maximum sag for the crossing span that is the subject of this application are as indicated on the Profile View of Exhibits 2 and 4 and Cable Schedule of Exhibit 4, which represents all the crossings.

6. The location of structures and max sag conditions creates the following crossing spans:

(A) State-owned Land: Map K, Block 2 (Exhibit 2 and 3)

- i. Structures: 80 to 85
- ii. Structure Span (ft): 2,209.6
- iii. State-owned Land Span (ft): 1,405.2

(B) Public water: Cochecho River (Exhibit 4)

- i. Structures: 87 to 88
- ii. Structure Span (ft): 500.4
- iii. Cocheco River Span (ft): 304.9

7. All conductors and wires have been drawn on Exhibit 2 and 4 to show the minimum clearance at maximum sag conditions in reference to the public water crossing. Flood elevation for the Cocheco River crossing span used in calculating clearance is based on FEMA flood mapping as indicated in Note 3 to Exhibit 4.

8. 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 15.5 feet for neutral or ADSS wires over state-owned lands as other areas traversed by vehicles, such as cultivated, grazing, forest, and orchard lands, industrial sites, commercial sites, etc. depicted on Exhibit 2 and 3, and in respect to the public water crossing is 37.5 feet for neutral or ADSS wires over water areas suitable for sailboating over 2,000 acres, as depicted on Exhibit 4. The actual minimum height over the public water and state-owned land are depicted on the attached Exhibits 2 and 4 and exceeds the minimum requirements.

9. A New Hampshire Department of Environmental Services (NHDES) Statutory Permit by Notification (SPN) will be required for temporary impacts associated with Structures 81 through 85, and a Shoreland Permit Notification (PBN) will be required for temporary impacts associated with the Structure 88 replacements described in this application and will be obtained prior to commencement of construction.

10. The U.S. Army Corps of Engineers (ACOE) does regulate the Cocheco River as navigable waters and the scope of work discussed in this petition at the subject crossing location will be licensed via Self-Verification under the ACOE New Hampshire Programmatic General Permit #4 and which licensing will be accomplished prior to commencement of the maintenance project.

11. The structure replacement and wire installation work will be accomplished within existing right-of-way easements, thereby mitigating impacts and concerns of property owners affected by the project scope. When wires are being transferred, Eversource will ensure the waterbody and state-owned land is clear of any recreational users before work commences. Additionally, a guard structure will be utilized when wires are being transferred from the old structure to the new, to

limit the possibilities of the wire falling into the waterbody or state-owned land to protect the general public.

12. Eversource submits that the license application herein may be exercised without substantially affecting the use and enjoyment of the public water and state-owned land because safe clearances will be maintained at all times and appropriate precautions to ensure the safety of recreational users will be undertaken while the maintenance work is performed.

WHEREFORE, Eversource respectfully requests that the Department:

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

Dated at Manchester, New Hampshire this 6th day of February, 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