

**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 - 026**

**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 ROCHESTER AND MILTON, 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 Rochester and Milton, 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 Y170 Line, which was built in 2013. A section of the Y170 Line from Structure 1 through Structure 25 is double circuited with a 34.5kV Line, designated as Line 386A. The public water crossing at Cocheco River that is the subject of this application was previously licensed in 2013 under Order No. 25,487 (DE 12-345). The state owned land crossings that are subject to this application were not previously licensed, owing either to oversight or the State not having owned the subject parcels at the time the Y170 Line was previously licensed. The Y170 Line will be fully licensed by this application.

2. As part of its ongoing asset condition inspection program, Eversource determined that the previously installed laminated wood structures at the public waterbody crossings and state owned land that are the subject of this application need to be replaced promptly to continue to function

safely and reliably. All of the structure replacements will be replaced with a weathering steel equivalent that will be located within 10' of the current structures' locations.

3. The three existing transmission and three existing distribution conductors and the existing OPGW wire at the crossing spans shall remain unchanged in the course of performing the structure replacements. The specifications and configuration of those existing wires are shown on the Cable Schedule and Structure Details on Exhibits 2 through 5.

4. The locations of the public waterbody and state owned land 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 - The Y170 Line crosses the public waters of Cochecho River in the City of Rochester between Structures 11 and 12, which span commences at Structure 11 approximately 100 feet northeast from the east side of St. James Terrace, which is located approximately 265 feet northeast from the intersection of St. James Terrace and Patton Street. The waterbody crossing extends northeast approximately 314 feet to the east bank of Cochecho River.

Exhibit 3 - The Y170 Line crosses state owned land in the City of Rochester between Structures 12 and 13, which span commences approximately 420 feet southwest from where the Y170 Line crosses Chestnut Hill Road, which is approximately 475 feet southeast from the intersection of Chestnut Hill Road and Hillsdale Road. The state owned land crossing extends northeast approximately 83.7' where it ends at Structure 13, located approximately 20' southwest from the edge of Chestnut Hill Road.

Exhibit 4 - The Y170 Line crosses state owned land in the Town of Milton between Structures 83 to 87, which span commences approximately 3,600 feet southeast from where the Y170 Line crosses McKeagney Road, which is approximately 940 feet northwest from the intersection of McKeagner Road and Old Wakefield Road. The state owned land span extends north approximately 1,553.9 feet to the property boundary with Map 49, Lot 21.

5. Wire specifications and loading condition to establish maximum sag for the crossing spans that are the subject of this application are as indicated on Profile View and Cable Schedule of Exhibits 2 through 5.

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

- (a) Public water: Cocheco River (Exhibit 2)
  - i. Structures: 11 to 12
  - ii. Structure Span (ft): 594.2
  - iii. Cocheco River Span (ft): 247.5
  
- (b) State owned Land Map/Block/Lot: Rochester Map/Lot 216/31 (Exhibit 3)
  - i. Structures: 12 to 13
  - ii. Structure Span (ft): 364.5
  - iii. State Land Span (ft): 83.7
  
- (c) State owned Land Map/Block/Lot: Rochester Map/Lot 49, Lot 19 (Exhibit 4-5)
  - i. Structures: 83 to 87
  - ii. Structure Span (ft): 1,902.7
  - iii. State Land Span (ft): 1,553.9

7. All conductors and wires have been drawn on Exhibit 2 through 5 to show the minimum clearance at maximum sag conditions in reference to the public water and state owned land crossings. Flood elevations for the Cocheco River crossing spans used in calculating clearance is based on FEMA flood map data as indicated in Note 3 to Exhibit 2.

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: 17.0 feet for 34.5 kV wires and 18.6' for 115 kV wires over water areas not suitable for sailboating or where sailboating is prohibited in respect to the public water crossing depicted on Exhibit 2; and which is 26.5' for 34.5 kV wires and 28.1' for 115 kV wires over track rails of railroads for the portion of the state owned land crossing depicted on Exhibit 3; and which is 20.1 feet for 115 kV wires over areas traversed by vehicles such as cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. in respect to the portion of the state owned land span depicted on Exhibits 4 and 5. The actual minimum height over the public waters and state owned land is depicted on the attached Exhibit 2 through 5 and exceeds the respective minimum requirements.

9. A New Hampshire Department of Environmental Services (NHDES) Statutory Permit by Notification will be required for temporary impacts associated with the structure replacements described in this application and will be obtained prior to commencement of construction.

10. The U.S. Army Corps of Engineers (ACOE) does not regulate the subject portion of Cocheco River as navigable water. As a result, a crossing permit ACOE is not required.

11. 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. When wires are being transferred, Eversource will ensure the waterbody 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 lake, river or the 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 waters 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 waters and state owned land crossing which are the subject of this application; and
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 6<sup>th</sup> day of November, 2023

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



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