

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

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

DOCKET No. CR 2022-019

**PETITION 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 petitions 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 petition 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 R169 Line, originally constructed in 1953, and rebuilt in 2002. The public water crossing at the Cocheco River that is included in this petition was most recently licensed in 2001 under DE 01-233 (Order No. 23,860) in conjunction with a project to re=build the line in 2002; in 2002 the premises comprising the state owned land that is the subject of this petition was not in state ownership. This petition contains the entire state owned land crossing as well as one of the two public water crossing over the Cocheco River so that the R169 Line is fully licensed. The structures supporting the second public water crossing over the Cocheco River licensed under DE 01-233 (Order No. 23,860) have been inspected and are not in need of replacement.

2. As part of its ongoing asset condition inspection program, Eversource determined that the certain existing wood structures at the state owned land and public waterbody crossings need to be

replaced promptly to continue to function safely and reliably. Structures 24, 25, 26 and 27 at the state owned land and the Cocheco River crossing will be replaced with weathering steel equivalents that will be located within 10' of the current structures' locations. The remaining wood structures that are part of the crossing spans covered by this petition, being Structures 20, 21, 22, 23 and 28 at the state owned land and Cocheco River crossing spans, remain in good reliable condition and will not be changed or replaced. The three existing conductors, the static wire, and ADSS wire at the crossing spans, with the specifications and configuration shown on the Cable Schedules and Structure Details on Exhibits 2, 3, and 4, that are the subject of this petition shall remain unchanged in the course of performing the structure replacements.

3. The locations of the public water and state owned land crossings which are the subject of this petition are depicted on the Overview Map attached hereto as Exhibit 1 and a more detailed location description is as follows:

Exhibit 3 and 4 – The R169 Line crosses state owned land in the City of Dover between Structures 20 and 28, which span commences along the northwest edge of McKone Lane where the R169 Line crosses McKone Lane, which road crossing is located approximately 1,200 feet east from the intersection of McKone Lane and Henry Law Ave. The span continues northwest approximately 1,017 feet to a private driveway encompassed by Dover assessor Map K-1-A-0 where said private driveway bisects the state owned land span. The state owned land span resumes on the westerly side of the driveway and continues northwest approximately 2,101 feet to the southwest bank of the Cocheco River.

Exhibit 2 – The R169 Line crosses the Cocheco River in the City of Dover between Structures 27 and 28, which span commences along the southwestern bank of the Cocheco River, which is approximately 3,000 feet northwest from where the line crosses McKone Lane, which road crossing is approximately 1,200 feet east from the intersection of McKone Lane and Henry Law Ave. The span continues northwest over the Cocheco River approximately 508 feet to an Eversource owned property that fronts the Cocheco River to the east and is southwest of the residential neighborhood on Gerry's Lane

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

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

(a) Public water: Cocheco River (Exhibit 2)

i. Structures: 27 to 28

ii. Structure Span (ft): 508.4

iii. Cocheco River Span (ft): 220

(b) State owned Land Map/Lot: Dover Map/Lot N-18-1-0, K-1-B-0, K-1-A-1, K-2-0-0, (Exhibit 2, 3 & 4)

i. Structures: 20 to 28

ii. Structure Span (ft): 4,017.4

iii. State Land Span (ft): 3,119.1

6. All conductors and wires have been drawn on Exhibit 2, 3, and 4 to show the minimum clearance at maximum sag conditions in reference to the state owned land crossings and public water crossing. Flood elevation for the Cocheco River crossing span used in calculating clearance is based on FEMA flood map data is as indicated in Note 3 to 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 37.5 feet for neutral/ADSS wires over water areas suitable for sailboating including lakes, ponds, reservoirs, tidal waters, rivers, streams and canals with an unobstructed surface area over 2,000 acres¹ in respect to the public water crossing depicted on Exhibit 2, and which is 15.5' for neutral/ADSS wires over areas traversed by vehicles such as cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. in respect to the state owned land span depicted on Exhibit 3 and 4. The actual minimum height over the public water and state owned land is depicted on the attached Exhibit 2, 3, and 4 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services (NHDES) wetland statutory permit by notification (SPN) and Shoreland Permit Notification (PBN) 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 regulate the subject portion of the Cocheco River as navigable waters and the scope of work discussed in this petition at the subject

¹ The Cocheco River at the crossing location is normally used to provide access for sailboats to a larger body of water, and so the clearance criteria for the larger body of water, in this case greater than 2,000 acres, is used.

public water crossing 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.

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. 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 river or the state owned land to protect the general public.

11. Eversource submits that the license petitioned for 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 petitioned for 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 petition;
2. Grant Eversource a license to construct and maintain electric lines over and across public water and state owned land described in this petition;

Dated at Manchester, New Hampshire this 22nd day of August, 2022.

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



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