

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

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

DOCKET No. CR 22-002

**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 IN MANCHESTER, 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 in Manchester, 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 34.5 kV electrical transmission line, designated as the Eversource 393 Line. The original constructed date of the 393 Line is believed to have been circa 1950. The Cohas Brook public waterbody crossing that is the subject of this petition was not previously licensed, either because it was not designated as public waters at the time of construction or owing to an oversight.

2. As part of its ongoing asset condition inspection program, Eversource has determined that a number of the original wood structures on the 393 Line, including Structures 21 and 22 at the subject crossing span, need to be replaced to continue to function safely and reliably. Replacement structures 21 and 22 will be replaced with Class 1 steel monopole structures. Structure 21 will be placed approximately 30 feet east of the original location to avoid offsetting the new structure in a farm road maintained by the landowner, and Structure 22 will be placed within 10’ of the original structure location. The 393’s existing three conductors, neutral wire and ADSS wire, whose

specifications are identified on the Exhibit 2 Cable Schedule, will be unchanged in the course of relocation to the new structures.

3. The public water crossing span that is the subject of this petition is depicted on Exhibit 1 as a high-level perspective of the location. An additional site location description of the span is as follows.

Exhibit 2 –The 393 Line crosses Cohas Brook in the City of Manchester. The crossing is located approximately 350 feet west from where the 393 Line crossings S. Mammoth Road, which is approximately 235 feet south from the intersection of S. Mammoth Road and Bodwell Road. The crossing extends approximately 36 feet west over Cohas Brook, where the line then continues west through agricultural pasture land that is bounded by the Cohas Brook to the south and east and by Interstate 293/State Route 101 to the north.

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 Exhibit 2 and utilizing the 10 year flood elevation and datum stated in Notes 2 and 3 thereto.

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

(a) Public Water: Cohas Brook, Manchester (Exhibit 2)

- i. Structures: 21 to 22
- ii. Structure Span (ft): 318.2
- iii. Public Water Span (ft): 36.2

6. Conductors have been drawn on Exhibit 2 to show the minimum clearance at maximum sag conditions in reference to the Public Waters crossing.

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 neutral/ADSS wires and 17.0' for 34.5 kV conductor over waters not suitable for sailboating or where sailboating is prohibited. The actual minimum height over the Public Water is depicted on the attached Exhibit 2 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services Shoreland Permit By Notification (PBN) will be required for the temporary impacts to the shoreland buffer associated with the structure replacement work. Also, a wetland statutory permit by notification (SPN) will be required for temporary impacts to wetlands associated with both structure replacements. Both permits will be obtained prior to construction.

9. The U.S. Army Corps of Engineers (ACOE) does not regulate Cohas Brook as navigable waters. As a result, a crossing permit from the AOE 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 petitioned for herein may be exercised without substantially affecting the use and enjoyment of the public in the public waters because safe clearances will be maintained at all times.

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 which is the subject of this petition;
2. Grant Eversource a license to construct and maintain electric lines over and across public waters, as described in this petition;

Dated at Manchester, New Hampshire this 10th day of February, 2022.

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



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