

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

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

**CROSSING No. CR 21-026**

**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 WARNER AND  
SUTTON 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 petitions the Department of Energy (“Department”), for a license to construct and maintain electric lines over and across public waters in Warner and Sutton, 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 2.4 kV electrical distribution line, designated as the Eversource 3410 Line, the subject portions of which crosses public waters at two locations encompassing portions of the Warner River in Warner and Sutton, New Hampshire. For reasons unknown a license was not obtained when the subject crossing spans were originally constructed but will be fully licensed pursuant to this petition. Eversource also previously constructed and currently operates and maintains an overhead 19.9/34.5 kV electrical distribution line, designated as the Eversource 317 Line, the subject portions of which also cross public waters at two different locations encompassing portions of the Warner River in Warner and Sutton, New Hampshire in proximity to the aforementioned public waters crossings by the 3410 Line. The 317 Line crossing over the Warner River in two locations was licensed under DE 15-088 (Order 25,787, as depicted in Exhibits 2 and 4 in thereto). In 2016, the addition of automated switching equipment in Warner allowed the existing 3410 Line to also be fed from the 317 Line, resulting in its re-designation as the 3410/317 Line.

2. To meet load requirements and to improve reliability and ease of maintenance, the 3410/317 Line (19.9/34.5kV) is planned to be eliminated in its current location between poles 317A/70 and 317/927Y, which encompasses the two Warner River crossings detailed in Exhibit 2 and 4 in DE 15-088. The 3410/317 Line will be relocated to a Route 103 roadside location where will be reconstructed between Pole 317/927Y located adjacent to Exit 9 of Interstate-89 in Warner to the Bradford switchyard fully within the Route 103 right of way as a three phase 19.9/34.5 kV circuit to replace the existing single phase 2.4 kV 3410 Line, which relocation and reconstruction within the Route 103 roadside encompasses two public water crossings of the Warner River that are the subject of this petition (the "Project"). The location of the proposed two public water crossings for the relocated 3410/317 Line are depicted on the Overview Map attached hereto as Exhibit 1 and a more detailed location description is as follows:

Exhibit 2 shows the proposed relocation of the 3410/317 Line along the Route 103 right of way where it crosses over the Warner River approximately 550 feet southwest from the intersection of NH State Route 103 and E. Roby District Road. At this roadside location, the existing single circuit 2.4 kV 3410 Line will be removed and replaced with a three phase, 19.9/34.5 kV line designated as the 3410/317 Line.

Exhibit 3 shows the proposed relocation of the 3410/317 Line along the Route 103 right of way that will cross over the Warner River approximately 200 feet northeast from the intersection of NH State Route 103 and E. Roby District Road. At this roadside location, the existing single circuit 2.4 kV 3410 Line will be removed and replaced with a three phase, 19.9/34.5 kV line designated as the 3410/317 Line.

3. In conjunction with the 3410/317 Line relocation the existing 3410 Line will be eliminated between poles 317A/70 and pole 317/927Y, which section of poles shall be removed or cut to grade, as dictated by field conditions and taking into consideration associated environmental impacts. Customers along the relocated 3410/317 Line who are presently served by the 3410 Line via the section of 3410 Line to be discontinued will continue to be served by the new reconstructed and relocated 3410/317 Line which will provide those customers with improved reliability and flexible switching options. The new 3410/317 Line structures will be wood replacements and the structures associated with the Warner River crossings will be installed within 10 feet of the existing 3410 wood structures, except for new 3410/317 Line Structure 4A/21 which will shift 20' west, away from the Warner River.

4. As part of the Project four new conductors having the specifications and configuration shown on the Cable Schedules and Structure Details, respectively, on Exhibits 2 and 3 will be reconducted across the two subject public water crossing spans.

5. Wire specifications and loading condition to establish maximum sag for the Warner River crossing spans are indicated on the Profile View and Cable Schedule of Exhibits 2 and 3.

6. This petition addresses the following crossing spans:

- a. Warner River: Warner (Exhibit 2)
  - i. Structures: 4A/16 to 4A/17
  - ii. Structure Span (ft): 222
  - iii. Public Waters Span (ft): 56.6

- b. Warner River: Warner/Sutton (Exhibit 3)
  - i. Structures: 4A/21 to 4A/21Y
  - ii. Structure Span (ft): 160
  - iii. Public Waters Span (ft): 93.6

7. All conductors and wires have been drawn on Exhibits 2 and 3 to show the minimum clearance at maximum sag conditions in reference to the public water body crossing spans, as noted on the Cable Schedule and in the Plan View.

8. Eversource will maintain and operate the clearances of the crossings at a height no less than what is required by the 2012 National Electric Safety Code (NESC, Table 232-1) which is 17 feet for water areas not suitable for sail boating or where sail boating is prohibited for a 34.5 kV line. The actual minimum height over public waters utilizing 100 year flood elevation as described in Note 4 of Exhibit 2 and 3 is 27.1' and 29.5', respectively, and therefore exceeds the minimum requirement.

9. A New Hampshire Department of Environmental Services Shoreland Permit by Notification (PBN) will be obtained prior to construction for temporary ground disturbance within the shoreland buffer of the Warner River. A NHDES Wetland Statutory Permit by Notification (SPN") will be obtained for temporary wetland impacts in Warner and Sutton. No other

environmental permits are required for the work at the two public water crossing spans that are the subject of this petition.

10. The U.S. Army Corps of Engineers (ACOE) does not regulate the subject portion of Warner River as navigable waters.

11. Eversource submits that the license petitioned for herein may be exercised without substantially affecting the rights of the public in the public waters. Minimum safe clearances above the public waters shall be maintained at all times. Owing to the anticipated duration of the maintenance work and safety precautions undertaken by Eversource and its contractors, the use and enjoyment by the public in the Warner River will not be diminished in any material respect as a result of the described scope of work at the two crossing locations.

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 that are the subject of this petition;
2. Grant Eversource a license to construct and maintain electric lines over and across the public waters as identified and described in this petition; and
3. Issue an order *Nisi* and orders for their publication.

Dated at Manchester, New Hampshire this 22<sup>nd</sup> day of March, 2022.

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