

**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- 001

**PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A
EVERSOURCE ENERGY FOR A LICENSE AND LICENSE AMENDMENT TO
CONSTRUCT AND MAINTAIN ELECTRIC LINES OVER AND ACROSS PUBLIC
WATERS IN ATKINSON, NEW HAMPSHIRE**

Pursuant to RSA 371:1/17, 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 and license amendment to construct and maintain electric lines over and across public waters in Atkinson, 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 4.16 kV electrical line, designated as the Eversource 3818 Line. The original constructed date of the 3818 Line is unknown, but predated 1976 when one of the two the public water crossing span that is part of this petition was licensed pursuant to Order 12,219, a copy of the relevant portions of that bulk licensing Order are included herewith for convenience of reference (See, in pertinent part Exhibit 2A3 to the petition for license). The second public water crossing span that is the subject of this petition, over Island Pond, was not previously licensed likely owing to oversight.

2. As part of its ongoing maintenance of the electrical distribution system, Eversource has determined that existing wood structures on the 3818 Line including Structures 1/12, 1/13, 1/16, and 1/17 at the two subject crossing spans need to be replaced to continue to function safely and reliably. The structures will be replaced with similar wood poles along the existing alignment.

3. Structures 1/12, 1/13, 1/16 and 1/17 will be replaced with single pole wooden structures that are similar in configuration to what is existing and which are depicted on Exhibits 2 and 3, with above-ground structure heights increasing between 3' to 8' to maintain safe clearances. Replacement structures 1/12, 1/13, 1/16 and 1/17 will be located within 10' of the original structure location. The 3818 Line's existing conductor, whose specifications are identified in the Cable Schedule on Exhibit 2 and 3, will be unchanged in the course replacing the existing noted structures.

4. The two public waterbody crossings that are the subject of this petition are depicted on Exhibit 1 as a high-level perspective of the location. Additional site location descriptions of the spans are as follows.

Exhibit 2 - The 3818 Line crosses the public waterbody known as Island Pond, a/k/a Boulder Cove, in Atkinson, New Hampshire starting on the southeastern side of Chase Island and extending southeast to the northern tip of Sheep Island.

Exhibit 3 - The 3818 Line crosses Island Pond, a/k/a Boulder Cove from southeast edge Sheep Island and extending southeasterly to the western shore Houle Grove, at the approximate location of where Boulder Cove Road ends and splits into joint driveways.

5. 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 and 3.

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

(a) Public Water: Island Pond, Atkinson (Exhibit 2)

- i. Structures: 1/12 to 1/13
- ii. Structure Span (ft): 330'
- iii. Public Waterbody Span (ft): 229.7'

(b) Public Water: Island Pond, Atkinson (Exhibit 3)

- i. Structures: 1/16 to 1/17
- ii. Structure Span (ft): 281.0'

iii. Public Water Span (ft): 198.3'

7. Conductors have been drawn on Exhibits 2 and 3 to show the minimum clearance at maximum sag conditions in reference to the public waters crossings and utilizing a 10 year flood elevation based on datum stated in Exhibit Notes 3 and 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 32.5 for 4.16 kV supply wires over waters suitable for sailboating with a surface area 200 to 2,000 acres. The actual minimum height over the public waters is depicted on the attached Exhibit 2 and 3 and exceeds the respective minimum requirements.

9. A New Hampshire Department of Environmental Services Shoreland Permit By Notification (PBN) is required due to the structure replacement work being within the shoreland buffer. Also, a wetland statutory permit by notification (SPN) is required to account for the temporary wetland impacts associated with building temporary access to Sheep Island to provide equipment access necessary to complete the structure replacements on the island. Both NHDES permits will be secured prior to commencement of construction.

10. The U.S. Army Corps of Engineers (ACOE) does not regulate Island Pond as navigable waters. As a result, a crossing permit from the AOE 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. Spotters are routinely used to make sure the waterbody is clear of recreational users prior to transferring the wires from the original structures to the replacement structures.

12. Eversource submits that the license and license amendment petitioned for herein may be exercised without substantially affecting the use and enjoyment of the public in the public waters because safe clearances to ground will be maintained at all times.

WHEREFORE, Eversource respectfully requests that the Department:

1. Find that the license and license amendment petitioned for herein may be exercised without substantially affecting the public rights in the public waters which are the subject of this petition;
2. Grant Eversource a license and license amendment to construct and maintain electric lines over and across the public waters, as described in this petition;

Dated at Manchester, New Hampshire this 27th day of April, 2022.

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



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