

**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 - 002

**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 GOFFSTOWN, 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 Goffstown, 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 J114 Line, which was originally built in 1960 between Greggs Substation in Goffstown and Rimmon Substation in Manchester. The public water crossing at the Piscataquog River that is the subject of this application was not previously licensed owing to oversight, and the state-owned land crossing that is also subject of this application was not previously licensed either owing to oversight or at the time the line was built, the State did have ownership over the subject parcel. The J114 Line will be licensed in its entirety as a result of this application.

2. The proposed project for the J114 encompasses a structure replacement and optical ground wire replacement and addition of a second optical ground wire. The wood structures at the public

water and state-owned land crossing span will be replaced with weathering steel equivalents having the design and specification depicted and noted in the Structure Details of Exhibit 2.

3. All three new structure locations will be installed within 10 feet of the existing locations.

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

Exhibit 2 – The J114 Line crosses Piscataquog River and state-owned land in the Town of Goffstown between Structures 1, 2, and 3. The crossing spans begin approximately 366 feet northeast of the Greggs Substation, which is located between Mast Road in Goffstown and the Greggs Falls Dam, which is the outlet of Glenn Lake in Goffstown. The public water crossing extends northeast approximately 90.4 feet to the northeast bank of the river where it abuts the state-owned land (Map 5, Block 18A). Where the public waterbody ends and the state land crossing begins is approximately 852 feet southwest from where the J114 Line crosses Elm Street, which is approximately 2,566 feet west to the intersection of Elm Street and Upton Lane. The state land crossing continues approximately 796 feet northeast where it ends at the southwest edge of Elm Street.

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

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

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

- i. Structures: 1 to 2
- ii. Structure Span (ft): 928.63
- iii. Piscataquog River Span (ft): 90.37

(b) State-owned Land: Map 5, Block 18A (Exhibit 2)

- i. Structures: 1 to 3
- ii. Structure Span (ft): 1,298.37
- iii. State-owned Land Span (ft): 796.34

7. All conductors and wires have been drawn on Exhibit 2 to show the minimum clearance at maximum sag conditions in reference to the public water crossing. Flood elevation for the Piscataquog River crossing span used in calculating clearance is based on FEMA flood map is 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 18.6 feet for 115 kV wires over water areas not suitable for sailboating or where sailboating is prohibited in respect to the public water crossing, and is 20.1 feet for 115 kV wires over state-owned lands as other areas traversed by vehicles, such as cultivated, grazing, forest, and orchard lands, industrial sites, commercial sites, etc., as depicted on Exhibit 2. The actual minimum height over the public water and state-owned land are depicted on the attached Exhibit 2 and exceeds the minimum requirement.

9. A New Hampshire Department of Environmental Services (NHDES) Statutory Permit by Notification (SPN), and Shoreland Permit Notification (PBN) 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 Piscataquog River as navigable waters. As a result, a crossing permit from ACOE is not required.

11. The structure replacement and OPGW installation 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 and state-owned land 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 waterbody or 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 water 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 water and state-owned land crossing which is the subject of this application;
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 16th day of February, 2023.

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



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