

**STATE OF NEW HAMPSHIRE DEPARTMENT OF ENERGY**

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
D/B/A EVERSOURCE ENERGY**

**LICENSE NO. CRE 2022-020**

**August 19, 2022**

**License to Construct and Maintain Electric Lines  
Over and Across and Public Water in Goffstown**

This license is granted to Public Service Company of New Hampshire d/b/a Eversource Energy (Eversource) to modify and maintain its Q171 Line, an existing electric transmission line that extends over and across public water in Goffstown. The Q171 Line was previously licensed in 1975 under Docket DE 75-106 (Order No. 11,856).

**I. BACKGROUND**

On July 28, 2022,<sup>1</sup> Eversource filed a petition with the N.H. Department of Energy (Department or DOE), pursuant to RSA 371:17, requesting a license to modify, reconstruct and maintain its Q171 Line, a 115 kV electric transmission line that extends over and across public water in Goffstown. On August 4, 2022, the Department's Enforcement Division Staff filed a recommendation that the petition be approved, and a license granted, based on the petition filings, applicable statutes, rules, NESC requirements, and land ownership, as well as public need, safety, and impact. Eversource filed revised exhibits to the petition on August 5, 2022. DOE filed a revised Staff Recommendation on August 10, 2022. The petition and subsequent docket filings are posted to the Department's website (energy.nh.gov) at [Utility Crossings Over State Lands and Public Waters | NH Department of Energy](#).

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<sup>1</sup> The Company filed revised petition attachments on August 8, 2022.

## **II. SUMMARY OF LICENSE**

### **A. Crossing Locations and Construction**

This license pertains to Eversource's Q171 Line, a 115 kV electric transmission line that extends over and across public water of Glen Lake in Goffstown. The Q171 Line crosses Glen Lake in Goffstown commencing at Structure 139 immediately south from where the Q171 Line crosses Elm Street in Goffstown, approximately 400 feet east from the entrance to the Glen Lake School and approximately 325 feet west from the Glen Lake Public Boat Ramp on Elm Street. The waterbody crossing extends south approximately 1,187 feet to Structure 140, where the line turns 90 degrees east into the Greggs Substation, located off Mast Road in Goffstown between the Goffstown Rail Trail Parking Lot and the Greggs Falls Dam/Hydroelectric station.

The length of span between Structures 139 and 140 is 1,187.4 feet and the length of span over and across public water is 964.2 feet.

The license authorizes replacement of existing wood Structures 139 and 140, initially with Structure 139 to be replaced with weathering steel equivalent; shortly after the Structure 139 replacement is completed and in conjunction with a maintenance project planned for the Greggs Substation located near Structure 140, anticipated to commence in 2023, the existing wood three-pole Structure 140 will be replaced with a single pole engineered weathered steel structure located within 10' of the original structure location; the replacement of the existing three 795 ACSR 36/1 conductors with 1272 ACSS 54/19 conductors; and replacement of the existing two-pole top shield wires with OPGW wires. All replacement structures will be located within 10 feet of their current locations.

**B. Regulatory Requirements**

Eversource is responsible for obtaining any and all other federal, state, or local permits required by authorities having jurisdiction for the construction and installation of the proposed crossing. According to the petition, Eversource stated that it will obtain a New Hampshire Department of Environmental Services (NHDES) Statutory Permit Notification (SPN) for temporary impacts to wetlands associated with the construction and installation of new of structures. A NHDES Shoreland Permit by Notification (PBN) will be obtained for the work planned under this petition in relation to temporary impacts to wetlands, and the shoreland buffer to Glen Lake. All permits will be obtained prior to the commencement of construction.

**C. Property Rights**

According to Eversource, abutters to Glen Lake in Goffstown will not be affected by the proposed project, because the crossing structures are being replaced and rebuilt within existing right-of-way easements.

**D. Service to the Public and the Effect on Public Rights**

According to the petition, the existing crossings were constructed, operated, and maintained to meet the reasonable requirements of service to the public. Eversource affirmed that the proposed modifications will continue to meet that public need and will not substantially affect the public's use and enjoyment of Glen Lake in Goffstown.

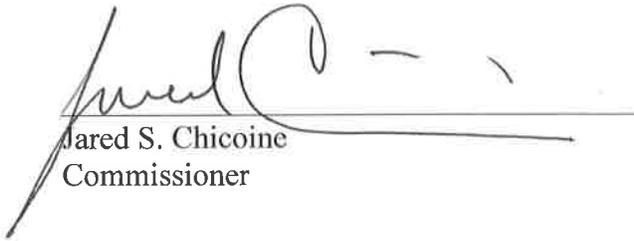
The line modifications are designed and will be constructed and maintained in accordance with the 2012 National Electrical Safety Code (NESC). The clearance requirement with respect to the water crossing was calculated using a 100-year flood level, which is a more conservative analysis than the NESC 10-year flood clearance requirement.

### III. DEPARTMENT DECISION

Eversource is authorized, pursuant to RSA 371:17, *et seq.*, to construct, install, operate, and maintain electric lines over and across Glen Lake in Goffstown, as described in its petition and depicted in its filings and as specified in the Enforcement Division's recommendation. Based on the factual representations set forth in the petition and the recommendation, the Department finds that the requested crossing amendments are necessary to meet the reasonable requirements of reliable service to the public, as required by RSA 371:17, and that the requested license may be exercised without substantially affecting public rights in the subject public water at the crossing location in Goffstown, as required for approval under RSA 371:20. Therefore, the petition is approved.

We require a copy of this license to be provided to the Town Clerk of Goffstown by first class mail no later than August 24, 2022 with a signed affidavit of compliance filed with the Department no later than 10 days following the issuance of the license.

By order of the Department of Energy of New Hampshire this 19<sup>th</sup> day of August, 2022.



Jared S. Chicoine  
Commissioner