

**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 - 024**

**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 STATE-OWNED LAND IN CROYDON, 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 submits an application to the Department of Energy (“Department”), for a license to construct and maintain electric lines over and across State-owned land in Croydon, 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 K174 Line, originally constructed in 1967 over and across State-owned land in Croydon, New Hampshire. The State-owned land crossing between Structures 74 to 104 was most recently licensed under DE 20-119 and this application seeks to re-license a subset of structures within the State-owned land due to new planned maintenance of the span.

2. As part of its ongoing asset condition inspection program, Eversource determined that Structures 76, 77, 78, 79, and 80 which are existing wood structures that are part of the State-owned land crossing span that is the subject of the application, need to be replaced promptly to continue to function safely and reliably. These structures will be replaced with a weathering steel equivalent that will be located within 10’ of the current structure location. The K174’s existing

three conductors, one OPGW wire, and one shieldwire, whose specifications are identified on Exhibit 3, will be unchanged in the course of performing the steel structure replacements.

3. The location of the State-owned land crossing which is 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 and 3 - The subset of structures within the State-owned land comprising the span that is the subject of this petition is located in Croydon and commences at Structure 75 ends at Structure 81 and encompasses the replacement of Structures 76 to 80. Structure 75 is located approximately 875 feet northwest from where the K174 Line crosses Fletcher Road, which is approximately 2,500 feet southwest from the intersection of Fletcher Road and Brighton Road. The crossing extends approximately 2,445.7 feet northwest from Structure 75 to Structure 81.

4. Wire specifications and loading condition to establish maximum sag for the crossing span that is the subject of this application is as indicated on Profile View and Cable Schedule of Exhibits 2 and 3.

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

- (a) State-owned Land: Croydon Map/lot 14/16 (Exhibits 2 and 3)<sup>1</sup>
  - i. Structures: 75 to 81
  - ii. Structure Span (ft): 2,445.7
  - iii. State-owned land Span (ft): 2,445.7

(b) All conductors and wires have been drawn on Exhibit 2 to show the minimum clearance at maximum sag conditions in reference to the State-owned land crossing.

(c) Eversource will maintain and operate the clearance of the crossing at a height no less than what is required by the 2012 National Electrical Safety Code (NESC, Table 232-1) which is 20.1' for 115 kV conductor over other areas traversed by vehicles, such as cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. The actual minimum height over the State-owned land is depicted on the attached Exhibit 2 and exceeds the minimum requirement.

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<sup>1</sup> The state-owned land span subject of this application is a subset of structures requiring maintenance that is within a larger state-owned land span between Structures 74 and 104, which was licensed in 2021 under Order 26,455 (DE 20-119).

(d) A New Hampshire Department of Environmental Services (NHDES) wetland statutory permit by notification (SPN) will be required for temporary impacts associated with the structure replacements and will be obtained prior to commencement of construction.

(e) 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.

(f) Eversource submits that the license applied for herein may be exercised without substantially affecting the use and enjoyment of the State-owned land because safe clearances will be maintained at all times.

WHEREFORE, Eversource respectfully requests that the Department:

1. Find that the license applied for herein may be exercised without substantially affecting the public rights in the State-owned land crossing which is the subject of this application;
2. Grant Eversource a license to construct and maintain electric lines across State-owned land described in this application;

Dated at Manchester, New Hampshire this 6<sup>th</sup> day of September, 2023.

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