

**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 -

**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 HOOKSETT,
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 Hooksett, 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 D121 Line, originally constructed in 1957 over and across State-owned land in Hooksett, New Hampshire. The State-owned land crossing between Structures 88 to 93 was most recently licensed under DE 21-111 and this application seeks to license new maintenance on the span between Structures 92 and 93.

2. As part of its ongoing asset condition inspection program, Eversource determined that Structure 93, an existing wood structure, 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. This structure will be replaced with a weathering steel equivalent that will be located within 10’ of the current structure location. The D121’s existing three conductors, and two OPGW wires,

whose specifications are identified on Exhibit 2, will be unchanged in the course of performing the steel structure replacement.

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

Exhibits 2 - The D121 Line crosses the State-owned land between Structures 92 and 93 in the Town of Hooksett. The crossing is located within a largely undeveloped area between Interstate 293 and Hackett Hill Road. The State-owned land crossing begins approximately 2,685 feet north from where the line crosses Poore Road, which is the first line encountered when traveling southeast from the intersection of Hackett Hill Road and Poore Road. The State-owned land crossing between Structures 92 and 93 extends approximately 476 feet in a northeasterly direction.

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 Exhibit 2.

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

- (a) State-owned Land: Hooksett Map/lot 28/14 (Exhibit 2)
 - i. Structures: 92 to 93
 - ii. Structure Span (ft): 476.1
 - iii. State-owned land Span (ft): 403.2

(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 16.1' for 115 kV conductor over spaces and ways subject to pedestrians or restricted traffic only¹. The

¹ The State owned lands are bounded by private properties to the north, south and west and by the limited access right of way of Interstate 93 to the east. Therefore, access and conditions do not exist which, according to guidance in Note #9 to Table 232-1 of the 2012 NESC, would "not normally [be] encountered or reasonably anticipated" to accommodate vehicles or other mobile units exceeding a total height of 8 feet. Accordingly, as noted and licensed in DE 21-111 Eversource believes that "spaces and ways subject to pedestrian or restricted traffic" clearance standard most appropriately applies to the State owned land crossing location.

actual minimum height over the State-owned land is depicted on the attached Exhibit 2 and exceeds the respective minimum requirements.

(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 14th day of June, 2023.

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



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