

**THE STATE OF NEW HAMPSHIRE  
BEFORE THE  
DEPARTMENT OF ENERGY**

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
d/b/a EVERSOURCE ENERGY**

**DOCKET No. CR 2021 -**

**PETITION 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 PORTSMOUTH,  
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 petitions the Department of Energy (“Department”), for a license to construct and maintain electric lines over and across State owned land in Portsmouth, 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 345 kV electrical transmission line, designated as the Eversource 3135 Line, originally constructed in 1978 over and across State owned land in Portsmouth, New Hampshire. The State owned land crossing that is the subject of this petition was not licensed when it was constructed, owing perhaps to an oversight or because the location was not in State ownership when the line was constructed.

2. The 3135 Line was constructed with steel structures but as part of its ongoing asset condition inspection program, Eversource has determined that original steel structures 105 and 106 at the State owned land crossing span that is the subject of this petition need to be replaced to continue to function safely and reliably. Structures 102, 103, 104 and 107, which are also located on State owned lands at the subject span, remain in good functional condition and do not require replacement. Structures 105 and 106 will be replaced with steel equivalents which are depicted on Exhibit 3 and which will be relocated approximately 15’ south of the original structure location

to provide adequate work space to accomplish the replacements. The 3135 Line's existing three conductors, one static wire and one OPGW communications wire, whose specifications are identified on the Exhibit 4 Cable Schedule, will be unchanged in the course of relocation to the new replacement structures.

3. The State owned land span that is the subject of this petition is depicted on Exhibit 1 as a high-level perspective of the location. Additional site location descriptions of the span is as follows.

Exhibit 2 – The 3135 Line crosses state owned property in the City of Portsmouth between Structures 101 and 108, which is known as the Great Bog property owned by New Hampshire Fish and Game. The crossing is located approximately 4,800 feet from where the line crosses Ocean Road, which is approximately 650 southeast from the intersection of Ocean Road and Buckminster Way. The crossing extends approximately 4,511 feet northeast and ends at the southern edge of Greenland Road (aka NH State Route 33), where the line crosses approximately 500 feet west of the intersection of Greenland Road and Dodge Ave.

4. 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, 3 and 4.

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

- (a) State Owned Land: Portsmouth Map/Block 258/54 (Exhibits 2 through 4)
  - i. Structures: 101 to 108
  - ii. Structure Span (ft): 5,190.3
  - iii. State Owned Land Span (ft): 4,511.1

6. All conductors and wires have been drawn on Exhibits 2 and 3 to show the minimum clearance at maximum sag conditions in reference to the State owned land crossing.

7. 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 24.8' for 345 kV conductor over areas traversed by vehicles including cultivated, grazing, forest and orchard lands, industrial sites, commercial sites, etc. The actual minimum height over the

State owned lands is depicted on the attached Exhibits 2 and 3 and exceeds the minimum requirement.

8. 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.

9. 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.

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

WHEREFORE, Eversource respectfully requests that the Department:

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

Dated at Manchester, New Hampshire this 12<sup>th</sup> day of November, 2021.

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