

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

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

**DOCKET No. CR 2022-**

**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 LAND IN MADISON, 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 petitions the Department of Energy (“Department”), for a license to construct and maintain electric lines over and across state land in Madison, New Hampshire comprising a New Hampshire Dept. of Transportation railroad corridor. 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 115 kV electrical transmission line, designated as the Eversource Y138 Line, originally constructed in 1993, over and across state lands in Madison, New Hampshire. The state land crossing that is included in this petition was previously licensed in 2020 under DE- 20-001 (Order No. 26,404) for addition of OPGW but Structures 42 and 43 at the subject crossing span were not replaced as part of that licensed project.

2. As part of its ongoing asset condition inspection program, Eversource determined that the existing wood Structures 42 and 43 at the state land crossing need to be replaced to continue to function safely and reliably. The structures will be replaced with weathering steel equivalents that will be located within 10’ of the original structure location. The Y138’s existing three conductors,

and OPGW wire between Structures 42 and 43, whose specifications are identified on Exhibit 2, will be unchanged in the course of relocation to the replacement steel structures.

3. The location of the state land crossing, which is the subject of this petition, is depicted on the Overview Map attached hereto as Exhibit 1 and a more detailed location description is as follows:

Exhibit 2 – The Y138 Line crosses the state land approximately 4,050 feet northeast of where the Y138 Line crosses Village Road (aka State Route 113), in the Town of Madison, which is approximately 200 feet east from the intersection of Village Road (aka State Route 113) and High Street in the Town of Madison. The crossing extends east 109 feet to the eastern property boundary of the State owned land, which point is approximately 4,000 feet south from where the Y138 Line crosses Pine Hill Road, which crossing of Pine Hill Road is approximately 80 feet west from the intersection of Forest Pines Road and Pine Hill Road in the Town of Madison.

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 Exhibit 2.

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

- (a) State Land Crossing: Madison Map 111, Lot 2 (Exhibit 2)
  - i. Structures: 42 to 43
  - ii. Structure Span (ft): 452.90
  - iii. State Land Span (ft): 109.00

6. All conductors and wires have been drawn on Exhibit 2 to show the minimum clearance at maximum sag conditions in reference to the state 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 28.1 for 115 kV conductor over top of track of rail road. The actual minimum height over the state land is depicted on the attached Exhibit 2 and exceeds the respective minimum requirements.

8. A New Hampshire Department of Environmental Services (NHDES) wetland statutory permit by notification (SPN) will be required to account for temporary wetland impacts associated

with the replacement of Structure 42. The SPN will be obtained prior to commencement of construction.

9. The structure replacement work will be accomplished within existing Eversource easements thereby mitigating impacts and concerns of property owners affected by the project scope. The railroad at this location is currently inactive, however Eversource will coordinate with NHDOT prior to commencement of construction. When wires are being transferred, Eversource will ensure the state land is clear of any pedestrians 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 onto state land and protecting the general public.

10. Eversource submits that the license petitioned for herein may be exercised without substantially affecting the use and enjoyment of the state 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 petitioned for herein may be exercised without substantially affecting the public rights in the state land crossing which is the subject of this petition;
2. Grant Eversource a license to construct and maintain electric lines over and across state land described in this petition;

Dated at Manchester, New Hampshire this 8<sup>th</sup> day of June, 2022.

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



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