

**THE STATE OF NEW HAMPSHIRE  
BEFORE THE  
PUBLIC UTILITIES COMMISSION**

**LIBERTY UTILITIES (GRANITE STATE ELECTRIC) CORP.  
D/B/A LIBERTY UTILITIES**

Docket No. DE 18-XXX

**PETITION FOR LICENSE TO REBUILD AND MAINTAIN ELECTRIC LINES  
OVER AND ACROSS INTERSTATE 93 IN SALEM**

Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities (“Liberty” or “the Company”), respectfully petitions the New Hampshire Public Utilities Commission pursuant to RSA 371:17 for a license to rebuild and maintain a line of poles and wires over land owned by the State of New Hampshire.

In support of this Petition the Company states as follows:

1. Liberty is a distribution utility primarily engaged in the business of distributing electricity in various cities and towns in the Upper Valley and southern regions of the state.

2. In order to meet the requirements for reasonable and safe service to the public, it is necessary for the Company to rebuild structures on the east and west sides of Interstate 93 near Brookdale Road in Salem. Interstate 93 is state-owned land.

3. The existing pole-line must be reconstructed due to recent load growth in Salem, specifically, the expansion at Canobie Lake Park and the redevelopment of Rockingham Race Track. The Company plans to re-conductor its existing single phase overhead wire with three phase overhead wire. The proposed improvements will reduce reliability exposure to Salem residents and businesses.

4. In support of this Petition, the Company has provided Exhibit 1, a Line Plan and Profile, and Exhibit 2, a Pole Top Design.

5. The new crossing over Interstate 93 in Salem, as shown on Exhibits 1 and 2, has been designed and will be constructed in accordance with the National Electrical Safety Code (NESC) for lines operated at 22 kilovolts (kV) Phase-to-Ground.

6. The location of the structures will create a span of approximately 396 feet over the highway.

7. The proposed circuit will be constructed with three open air conductors, in spacer cable construction, and one messenger conductor crossing the Interstate. Exhibit 2 shows the construction details.

8. All conductors described on Exhibit 1 show the maximum sag conditions in reference to Interstate 93.

9. The proposed electric line was designed in accordance with NESC minimum distance between phase conductors and neutral or grounded conductors at the structure, and with NESC minimum distance between phase conductors and neutral or grounded conductors at any point in the span.

10. The proposed line will be constructed, maintained, and operated to 2012 NESC, Table 232-1, "Vertical Clearance of Wires, Conductors, and Cables Above Ground, Roadway, Rail, or Water Surfaces." Required clearance over area traversed by traffic is 18.5 feet for the phase conductors (22kV phase to ground) and 16 feet for the neutral conductor. As designed, the minimum clearance of this line crossing is 20 feet over the Brookdale Road.

WHEREFORE, Liberty respectfully asks that the Commission:

A. Grant the Company a license to construct and maintain electric lines over and

across the state roadway as identified and described in this Petition; and

- B. Issue an order *nisi* and orders for its publication.

Respectfully submitted,

LIBERTY UTILITIES (GRANITE STATE  
ELECTRIC) CORP.

D/B/A LIBERTY UTILITIES

By its Attorney,



Date: October 9, 2018

By: \_\_\_\_\_

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Certificate of Service

I hereby certify that on October 9, 2018, a copy of this Petition has been provided to the Office of the Consumer Advocate.



By: \_\_\_\_\_

Michael J. Sheehan