

December 22, 2020

Ms. Debra A. Howland Executive Director and Secretary New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, New Hampshire 03301

**RE: DOCKET 20-195** 

**Engineering Discussion of Changes Under Revised Petition** 

An investigation of the discrepancy between the plans associated with DE 19-097 for a wire span on the 373 line between structure 212 and 213 crossing the Lamprey River in Deerfield and the plans associated with DE 20-195 depicting the same line and over the same crossing of the Lamprey River in Deerfield. In order to clarify which plan is correct and why, Eversource is providing the following explanation.

There were two differences that affected the clearances shown between these two plans. The first difference is that after the structure replacements associated with the 19-097 submittal were completed, as-built surveys were collected and incorporated into DE 20-195. These as-built elevations are more accurately shown in this REV3 submittal of DE 20-195. This is an improvement over the 19-097 submission as it accurately reflects the installed structure positions.

The second difference is an error in measurement using AutoCAD. This measurement was taken between the surveyed water surface and the conductor instead of between the 100-year flood plain elevation and the conductor.

These differences resulted in a change in wire clearance from the 100-year flood plain elevation of the Lamprey River (El. 217.00) in both plans. In the DE 19-097 plans, the wire clearance was measured at 37'-5". In the DE 20-195 plans, the wire clearance was measured at 43-6". The correct wire clearance distance is measured at 41' using the wire condition from DE 19-097 and the as-built surveys from DE 20-195 REV2.

The changes discussed above have been made to the DE 20-195 plans as REV3 and will be submitted to the Docket as an amendment for PUC's review and consideration.

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