

**The State of New Hampshire
Before the
Public Utilities Commission
Docket No. DT11-006**

PETITION OF TELJET LONGHAUL LLC FOR LICENSE TO CONSTRUCT AND MAINTAIN FIBER OPTIC CABLES OVER AND ACROSS THE FOLLOWING NEW HAMPSHIRE WATERS;

- **SOUHEGAN RIVER IN WILTON NH BETWEEN UTILITY POLE 40/2:4/5:2 and 4/1:4/6:1**

TO THE PUBLIC UTILITIES COMMISSION:

Teljet Longhaul LLC, a Competitive Local Exchange Carrier ("CLEC") in the State of New Hampshire, hereby petitions the Public Utilities Commission ("Commission"), pursuant to RSA 371:17, for a license to construct and maintain fiber optic cables over and across the public waters of the Souhegan River in Wilton NH. In support of its petition Teljet Longhaul LLC states as follows:

1. In order to meet reasonable requirements of service to the public, Teljet Longhaul LLC is proposing to construct a new fiber optic cable, to expand its fiber network, which is used for the purpose of providing telecommunications services to customers in New Hampshire.
2. The new line will cross the Souhegan River along the west side of the Island St Bridge.
3. The location of the proposed crossing is shown on the attached location map.
4. The design and proposed construction of this crossing is shown on the attached profile drawing entitled "Proposed Souhegan River Crossing Wilton, NH." Based on the research and field inspection of the consulting engineer, it has been determined that the Souhegan River has been classified as a waterway not suitable for sailboating. See NESC, Table 232-1. This acreage does not provide access into any larger waterway.
5. The proposed crossing will be placed between two existing jointly owned utility poles set approximately 173' feet apart. The poles are jointly owned by Public Service of New Hampshire, TDS Telecommunications Corp. and Fairpoint Communications. The existing pole on the north side of the Souhegan River, pole number 40/2: 4/5:2 is approximately 50 feet tall. The existing pole on the south side of the Souhegan River, pole number 4/1; 4/6; 1 is approximately 45 feet tall. The pole survey performed jointly by the pole owners determined there was no make-

ready work required for Teljet to attach to these poles. The Teljet attachment will be made up of two materials; strand (nominal diameter $\frac{1}{4}$ in. 7-strand steel EHS) and one non-selfsupporting cable (added diameter = 0.858, weight = 0.196/ft.). The strand and non-selfsupporting cable will be sagged using heavy load condition (0° F, pounds psf wind loading and $\frac{1}{2}$ " radial ice) with the maximum tension of 1857 lbs under that load.

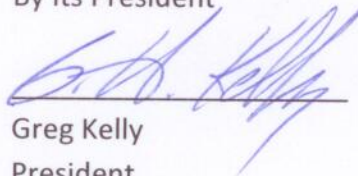
6. The flood water elevation for the Souhegan River is based on information from the Flood Insurance Rate Map (FIRM), Town of Wilton, New Hampshire, Hillsborough County, Community Panel Number: 330102 0451 D. Map revised September 25, 2009. These elevations are based on the national Geodetic Vertical Datum of 1988 (NGVD 88). For the purpose of this petition, the more conservative 10 year flood elevation was used as the basis for design of the conductor clearance.
7. Using the above design criteria, the maximum sag of the non-supporting cable and minimum clearances for the crossing have been determined and designed as follows:
 - A. 0° F, Non-supporting cable – The maximum sag on the fiber optic cable midspan under this condition is 1.27'. The minimum clearance to land is 21.31'. The minimum clearance to the 10 year flood level is 27.73'.
 - B. 50° F, Non-supporting cable – The maximum sag on the fiber optic cable midspan under this condition is 1.58'. The minimum clearance to land is 21.02'. The minimum clearance to the 10 year flood level is 27.42'.
 - C. 120° F, Non-supporting cable – The maximum sag on the fiber optic cable midspan under this condition is 2.13'. The minimum clearance to land is 20.47'. The minimum clearance to the 10 year flood level is 26.87'.
8. There are no NHDES or NHDOT permits necessary for the construction of this crossing.
9. The proposed crossing has been designed and will be constructed, maintained and operated by Teljet Longhaul LLC, its affiliates and contractors.
10. Teljet Longhaul LLC submits that the license petition for herein may be exercised without affecting the rights of the public in the public waters of the Souhegan River in Wilton NH. Minimum safe line clearances above the water surface and affected shorelines will be maintained at all times. The use and enjoyment by the public of this waterway will not be diminished in any material respect as a result of the overhead line crossing.

WHEREFORE, TELJET LONGHAUL LLC respectfully requests that the Commission:

- A. Find that the license petitioned for herein may be exercised without affecting the public rights in the public waters which are the subject of this petition;
- B. Grant Teljet Longhaul LLC a license to construct and maintain fiber optic cables over and across the public waters of the Souhegan River in Wilton NH as specified in this petition; and
- C. Issue an Order Nisi and orders for its publication.

Dated at Williston Vermont the 13th day of April 2011.

Respectfully submitted,
Teljet Longhaul LLC
By Its President

A handwritten signature in blue ink, appearing to read "Greg Kelly", is written over a horizontal line.

Greg Kelly
President

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