

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

PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE, DOING BUSINESS AS EVERSOURCE ENERGY, FOR LICENSE TO CONSTRUCT AND MAINTAIN ELECTRIC LINES UNDER AND ACROSS ISLAND POND IN THE TOWN OF WASHINGTON, NEW HAMPSHIRE.

TO THE PUBLIC UTILITIES COMMISSION:

Public Service Company of New Hampshire, doing business as Eversource Energy (“PSNH”), a public utility engaged in the generation, transmission, distribution and sale of electricity 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 electric lines under and across the public waters of Island Pond in the Town of Washington, New Hampshire, for the purpose of servicing residences on Oehlschlager, Spencers, and Peterson Islands, and in support of its petition states as follows:

1. In order to meet the reasonable requirements of service to the public, PSNH has previously constructed, and currently operates and maintains underwater cables that run from existing PSNH riser pole #19Y2 on the mainland easterly shore of Island Pond, across Island Pond to Oehlschlager Island (previously licensed under Commission Order No. 9325 in Docket D-E5400 on July 5, 1968), from Oehlschlager Island to Spencers Island (previously licensed under Commission Order No. 10781 in 1972), and from the same existing riser pole #19Y2, across Island Pond to Peterson Island (previously licensed under Commission Order No. 10025 in Docket D-E5888 on July 13, 1970). The underwater cables are currently connected to the primary line at riser pole #19Y2, which is tapped off the existing PSNH circuit 3140X2 in Washington.

2. Due to the age and condition of the underwater cables and recent, multiple failures of the cable neutral wire, PSNH has determined it is necessary to replace the existing underwater cables servicing these three islands in Island Pond. In addition, existing riser structure #19Y2 is in a location that has proved to be difficult to access. Therefore, a new riser location that is more accessible is proposed to be located on existing structure 141/10Y, previously licensed by the Town of Washington as License No. 35-0871, which is located within the street right of way of Washington Drive along the mainland southerly shore of Island Pond.

3. The location of the project is shown on the attached location map, marked as Exhibit 1.

4. The approximate existing, and proposed, locations of the cables, risers, and pad mounted equipment are shown on the attached Eversource Energy Drawing entitled “7.2 KV SUBMARINE CABLE OVERVIEW, ISLAND POND, OFF WASHINGTON DRIVE, WASHINGTON, N.,H.”, marked as Exhibit 2.

5. The required technical information provided in this petition is based on the 2007 National Electrical Safety Code (NESC) C2-2007.

6. The new underwater cable will be a 1/0 submarine cable of approximate diameter of 1.5". The cable run from the Island Pond shore line and to and between the islands will be primary voltage of 7.2 kV, and stepped down via padmount transformers to serve each island residential customer. The cable will be encased in conduit in a trench for the first 50' out from the new riser which will be located on existing structure 141/10Y along Washington Drive. From there, the conduit stops and the underwater cable will be located in a trench for an additional 50' to the shore of Island Pond. At that point (100'± from the riser) the cable will lay on the pond bed until it reaches the shore of Oehlschlager Island. From that point, the cable will be located in a trench for 50', and then encased in conduit in a trench for an additional 50' at which point the cable is connected to a new pad mounted transformer. The approximate distance of the submarine cable run between the shoreline of Island Pond to Oehlschlager Island is 2,250'. This configuration and process is repeated from Oehlschlager Island to Spencers Island (an approximate distance of 780'), and again from Spencers Island to Peterson Island (an approximate distance of 1,470').

7. The existing underwater cables will be removed, and the existing utility pole located on Oehlschlaeger Island, and existing riser pole #19Y2, located on the easterly shore of Island Pond, will be cut to grade and removed. The existing utility pole on Oehlschlaeger Island will be replaced by a new pad mounted transformer. The existing pad mounted transformer located on Spencers Island will be replaced with a new pad mounted transformer in the same location as the original transformer; and the existing pad mounted transformer located on Peterson Island will be replaced and relocated. The new pad mount transformers will be located within existing easements on the respective islands, and are allowed equipment within those easements. Therefore, no new or additional real property rights are required to construct these water crossings.

8. In order to minimize the impacts to the shorelines and the pond itself, it is intended that the work for these crossings begin in mid-September, 2015, and be completed during the October, 2015, Island Pond water draw down period .

9. A New Hampshire Department of Environmental Services (NHDES) wetlands permit is required for this project. PSNH has applied for and is currently in the process of acquiring the necessary wetlands permit. Additionally, a Shoreland Permit by Notification has been accepted by NHDES for this project.

10. The proposed crossings have been designed and will be constructed, maintained and operated by PSNH in accordance with the NESC.

11. PSNH submits that the license petitioned for herein may be exercised without substantially affecting the rights of the public in the public waters of Island Pond. The use and enjoyment by the public of Island Pond will not be diminished in any material respect as a result of the proposed underwater cable crossings.

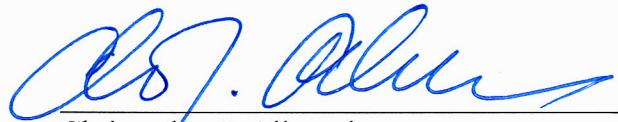
WHEREFORE, PSNH respectfully requests that the Commission:

- a. Find that the license petitioned for herein may be exercised without substantially affecting the public rights in the public waters which are the subject of this petition;
- b. Grant PSNH a license to construct and maintain electric lines under and across the public waters of Island Pond in the Town of Washington, New Hampshire, as specified in the petition; and
- c. Issue an Order Nisi and orders for its publication.

Dated at Manchester this 24th day of July, 2015.

Respectfully submitted,

PUBLIC SERVICE COMPANY OF NEW
HAMPSHIRE, DOING BUSINESS AS
EVERSOURCE ENERGY
By Its Attorney



Christopher J. Allwarden
Senior Counsel, Legal Department
Eversource - Energy Park
780 North Commercial Street
Manchester, NH 03101
(603) 634-2459