



January 2, 2020

Town of Hudson  
78 Main Street  
Hudson, MA 01749  
Attn: Joan Wordell, Town Clerk

RE: Petition for Grant of Location in Town Ways

Dear Ms. Wordell:

Pursuant to MGL Chapter 166 Section 22, NSTAR Electric Company d/b/a Eversource Energy (hereinafter the "Petitioner"), a company incorporated for the transmission of electricity for lighting, heating or power, hereby submits this Petition to the Town of Hudson, MA for a Grant of Location ("GOL") (see Exhibit A). The Petitioner respectfully requests the Town of Hudson by order issue the GOL for the construction of Petitioner's new electric transmission line within the Town public ways as provided for herein (see Exhibit B).

### **Project Description**

The facilities to be installed within the Town of Hudson are part of the Sudbury-Hudson Transmission Reliability Project (the "Project"). The Project consists of an approximately 9-mile, 115-kilovolt ("kV") underground electric transmission line (the "New Line") between Eversource's Sudbury Substation located in Sudbury and the Hudson Light & Power Department's Substation in Hudson. The New Line will pass primarily through the Towns of Sudbury and Hudson and will cross short sections of the Town of Stow and the City of Marlborough. In Sudbury, Hudson, Stow and Marlborough, the New Line will be constructed underground along an inactive railroad corridor owned by the Massachusetts Bay Transportation Authority. In Hudson, portions of the New Line also will be constructed in public ways.

The Project is needed to ensure the safe and reliable transmission of electric power to customers. The Energy Facilities Siting Board has reviewed the Project, determined that the New Line is necessary, serves the public convenience, and is consistent with the public interest and has granted the Petitioner approval to construct the New Line.

The Project consists of a new subsurface 115-kV electric transmission duct bank with appurtenant communication/signal wires to be installed beneath various public ways in the Town of Hudson. A locus map of the project is provided in Exhibit C.

### **Project Route**

In the Town of Hudson, the underground project route commences at the Hudson Light & Power's Hudson Substation and continues under the substation's access driveway to its intersection with Forest Avenue. Then continues under Forest Avenue approximately 300 feet southeast of the intersection of Stowe Court and proceeds easterly and northeast beneath Forest Avenue approximately 5,630 linear feet (LF) to the intersection of Main Street and Wilkinson Street. The route continues easterly beneath Wilkins Street 1,130 LF to the intersection of the MBTA railroad corridor at a point approximately 180 LF northeast of the intersection of Orchard Drive. The route turns southeast and continues beneath the railroad corridor in an easterly and southeasterly direction for approximately 2,480 LF to the town line of

Stow. At a point approximately 330 LF southeast, the route begins again at the town line of Stow and continues in a southeasterly direction beneath the railroad approximately 430 LF to the intersection of Chestnut Street. The route continues beneath Chestnut Street and then in a southeasterly direction approximately 4,940 LF to the intersection of Main Street. The underground route crosses beneath Main Street and continues southeast beneath the railroad approximately 3,140 feet to the intersection of Parmenter Road. The route crosses beneath Parmenter Road and continues southeast along the railroad approximately 3,785 LF to White Pond Road. The route continues beneath White Pond Road and then in a southeast direction beneath the railroad approximately 30 LF to the town line of Marlborough.

### **Project Design**

The duct bank is comprised of four eight-inch (8") high-density polyethylene (HDPE) conduits to house the high-voltage transmission cable (one conduit will be a spare), two four-inch (4") polyvinyl chloride ("PVC") conduits to house fiber optic communication cables (one conduit will be a spare), and two two-inch (2") PVC conduits to house temperature monitoring/sensing cables (one conduit will be a spare).

The HDPE and PVC conduits will be positioned in two different configurations of duct bank infilled with thermal concrete material. Configuration 1 will be approximately 41-inches wide by 32-inches tall with the high voltage conductors arranged in a triangular configuration and will have a minimum of 30-inches of cover to finish grade. Configuration 2 will be approximately 68-inches wide by 20-inches tall with the high voltage conductors arranged in a horizontal configuration and will have a minimum of 30-inches of cover to finish grade.

Plan and profile drawings for the proposed duct bank, duct bank cross section data, and trench backfill specifications are provided in Exhibit D.

### **Municipal Permits**

Upon issuance of the requested GOL, Eversource's Contractor shall obtain all required local municipal permits prior to beginning work within the town (e.g. street opening, curb cut, trench permits, etc.). The Contractor shall work with the town's engineering and public works departments to ensure that all disturbances to the public are avoided and/or minimized to the greatest extent possible. As part of the effort to reduce disturbance resulting from the proposed activities in the public way, temporary traffic control plans have been prepared and attached hereto; (Exhibit E). Additionally, Eversource will provide contact information for appropriate Eversource and Contractor personnel for use by town officials and concerned citizens during construction activities. If required by the Town of Hudson, Eversource will work with town officials to develop a list of abutters to the project route, pay a filing fee and/ or reimburse the town for postage and advertising costs associated with this request.

As such, Eversource respectfully requests the Town of Hudson to issue a Grant of Location as set forth above. If you have any questions or require additional information, please contact me at your earliest convenience.

Sincerely,



Theresa Feuersanger  
T & D Rights and Survey  
Eversource Energy  
247 Station Drive, SE 210  
Westwood, MA 02090

Email: Theresa.Feuersanger@eversource.com  
Office: (781) 441-8277

Grant of Location Request  
115kV Conduit Project

**Exhibit A**

Grant of Location Petition

**PETITION OF NSTAR ELECTRIC  
FOR LOCATION FOR LINES, WIRES AND CABLES**

To the BOARD OF SELECTMEN of the Town of Hudson, Massachusetts:

The undersigned respectfully represents NSTAR Electric Company d/b/a Eversource Energy (hereinafter known as the PETITIONER), a company incorporated for the transmission of electricity for lighting, heating or power, that it desires to construct upon, along, under, or across the public way(s) of the Town of Hudson, wires, cables, manholes, poles, piers, abutments, conduits or fixtures as hereinafter specified.

WHEREFORE, the PETITIONER prays that, after due notice and hearing as provided by law, the Board of Selectmen may by Order grant to PETITIONER permission to construct, and a location for, such a line with the necessary wires, cables and fixtures therein, said line to be located, substantially as shown on the plan(s) filed herewith dated March 8, 2019, over the following public way or ways of said Town:

- Access driveway to Hudson Light & Power's Hudson Substation (from the substation to its intersection with Forest Avenue)
- Forest Avenue (from approximately 300 feet southeast of the intersection of Stowe Court approximately 5,630 linear feet to its intersection with Main Street and Wilkins Street)
- Main Street (at its intersection with Forest Avenue and Wilkins Street)
- Wilkins Street (from its intersection with Forest Avenue and Main Street approximately 1,130 linear feet to its intersection with the MBTA railroad corridor at a point approximately 180 linear feet northeast of the intersection of Orchard Drive)
- Chestnut Street (at its intersection with the MBTA railroad corridor)
- Main Street (at its intersection with the MBTA railroad corridor)
- Parmenter Road (at its intersection with the MBTA railroad corridor)
- White Pond Road (at its intersection with the MBTA railroad corridor)

For the PETITIONER

Signature: \_\_\_\_\_

Name: Theresa Feuersanger

Title: Supervisor, T & D Rights and Survey

Mailing Address: 247 Station Drive, Westwood, MA 02090

Telephone: (781) 441-8277

Date: January 2, 2020

2nd day of January 2020

Town of Hudson, Massachusetts

Received and filed Daniel K. Jacobus, Asst. Town Clerk  
12:30 pm

**RECEIVED**

**JAN 02 2020**

**HUDSON TOWN CLERK**

Grant of Location Request  
115kV Conduit Project

**Exhibit B**

Order for Grant of Location

# ORDER FOR LOCATION FOR LINES, WIRES AND CABLES

Town of Hudson, Massachusetts

\_\_\_\_\_, 2020

WHEREAS, **NSTAR ELECTRIC COMPANY d/b/a Eversource ENERGY** has petitioned for permission to construct a line for the transmission of electricity for lighting, heating, or power over and under the public way or ways of the Town as hereinafter specified, and notice has been given and a hearing held on said petition as provided by law.

It is ORDERED that **NSTAR ELECTRIC COMPANY d/b/a Eversource ENERGY** be and hereby is granted permission to construct, and a location for, such a line with the necessary wires and cables and manholes therein over and under the following public way or ways of said Town:

- Access driveway to Hudson Light & Power's Hudson Substation (from the substation to its intersection with Forest Avenue)
- Forest Avenue (from approximately 300feet southeast of the intersection of Stowe Court approximately 5,630 linear feet to its intersection of Main Street and Wilkins Street)
- Main Street (at its intersection with Forest Avenue and Wilkins Street)
- Wilkins Street (from its intersection with Forest Avenue and Main Street approximately 1,130 linear feet to its intersection with the MBTA railroad corridor at a point approximately 180 linear feet northeast of the intersection of Orchard Drive)
- Chestnut Street (at its intersection with the MBTA railroad corridor)
- Main Street (at its intersection with the MBTA railroad corridor)
- Parmenter Road (at its intersection with the MBTA railroad corridor)
- White Pond Road (at its intersection with the MBTA railroad corridor)

All construction work under this Order shall be in accordance with the following conditions:

1. Lines, wires, and cables shall be located as shown on a plan(s) made by Eversource dated March 8, 2019, on file with said petition.
2. Said Company shall comply with the requirements of existing by-laws and such as may hereafter be adopted governing the construction and maintenance of lines, wires and cables.
3. All work shall be done to the satisfaction of the Board of Selectman or such officer or officers as it may appoint to supervise the work.

1. ....
2. ....
3. ....
4. ....
5. ....

Selectmen of the  
Town of Hudson

## CERTIFICATE

We hereby certify that the foregoing Order was adopted after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws (Ter. Ed.) and any additions thereto or amendments thereof, to wit:--after written notice of the time and place of the hearing mailed at least seven days prior to the date of the hearing by the Selectman to all owners of real estate abutting upon that part of the way or ways upon, along or across which the line is to be constructed under said Order, as determined by the last preceding assessment for taxation, and a public hearing held on the \_\_\_\_\_ day of \_\_\_\_\_, 2020.  
at \_\_\_\_\_ in said Town.

1. ....
2. ....
3. ....
4. ....

Selectmen of the  
Town of Hudson

**CERTIFICATE**

I hereby certify that the foregoing are true copies of the Order of the Board of Selectman of the Town of Hudson, Massachusetts, duly adopted on the \_\_\_\_\_ day of \_\_\_\_\_, 2020 , and recorded with the records of location Orders of said Town, \_\_\_\_\_ Book \_\_\_\_\_, Page \_\_\_\_\_, and the certificate of notice of hearing thereon required by Section 22 of Chapter 166 of the General Laws (Ter. Ed.), and any additions thereto or amendments thereof, as the same appear of record.

Attest: \_\_\_\_\_

Clerk of the Town of Hudson, Massachusetts

Grant of Location Request  
115kV Conduit Project

Exhibit C  
Locus Map



Grant of Location Request  
115kV Conduit Project

Exhibit D  
Project Drawings and Specifications

Grant of Location Request  
115kV Conduit Project

**Exhibit E**  
Temporary Traffic Control Plans