Project Update
West Roxbury to Needham Reliability Project

Town of Needham Board of Selectmen Presentation
September 6, 2016
Agenda

• Review of Project Need & Benefits

• Overview of Proposed Transmission Line Route(s)

• Review of Route & Work Proposed on Municipal Gravel Pit Parcel

• Town Meeting Warrant & Easement Update

• Permitting Update

• Next Steps

• Schedule Update
West Roxbury to Needham Reliability Project

Project Need & Benefits

- Eversource’s transmission system is not able to maintain supply to ~65,000 customers in the western Boston suburbs under certain operating conditions.

- Separating the existing 115-kV double circuit tower ("DCT") overhead transmission lines between the Baker Street Substation and the Needham Substation will mitigate potential area overloads and will significantly reduce the number of customers that are exposed to sustained loss of service.

- The Project will have numerous public benefits, the primary of which will be to satisfy the transmission need determined by ISO-NE. In addition to satisfying this need, the Project will provide property taxes in each municipality along the route. It will also provide construction jobs for one to two years, with attendant secondary benefits to local businesses.
West Roxbury to Needham Reliability Project
Preferred and Noticed Alternative Routes
West Roxbury to Needham Reliability Project
Public Roads Comprising the Preferred & Noticed Alternative Route

Preferred UG Route (~2.6 miles)
- Greendale Avenue (via municipal “Gravel Pit” parcel)
- Grosvenor Road
- Broad Meadow Road
- Great Plain Avenue
- Harris Avenue
- School Street
- Grant Street
- Junction Street
- Chestnut Street

Potential Variations to Preferred Route
- Valley Road (via municipal “Gravel Pit” parcel)
- Intervale Road
- Warren Street (in lieu of Grant Street)

Noticed Alternative UG Route (~3.0 miles)
- Valley Road (via Greendale Avenue Park Land)
- Peacedale Road
- Great Plain Avenue
- South Street
- High Rock Street
- West end of ROW to Needham Substation (via High Rock Street)
Overhead to Underground Transition Point at Valley Road Area

- Eversource has been working diligently and in close partnership with the Town to avoid impacts to the maximum extent practicable to the densely developed residential neighborhoods bordering the ROW west of the Valley Road area and the Town in general.

- To address the Town’s concerns, Eversource is proposing to exit the existing ROW with the proposed transmission line at the first practicable location prior to reaching the residential neighborhoods beginning at the Valley Road cul de sac and transitioning to underground transmission line construction on primarily municipal streets.

- Two design options and one route variation are being proposed by Eversource to exit the ROW at Valley Road.
Overhead to Underground Transition Point at Valley Road (Preferred Design - OH SPAN of MBTA TRACKS)

LEGEND
- Existing Transmission Structure
- Proposed Structure
- Proposed Open Trench
- Proposed Overhead Route
- Preferred Route
- 20' Municipal Sewer Easement
- Municipal Sewer Line
- Bordering Vegetated Wetland
- Top of Bank/Mean Annual High
- Stream Centerline
- 100' Buffer Zone
- Hydrologic Connection (DEP Wetlands)
- MBTA Commuter Rail Tracks
- Eversource ROW Easement
- Eversource & MBTA ROW Easement
- Greendale Avenue Park Land
- Greendale Avenue Municipal Parcel (Gravel Pit)

Scale: 1:1,880
1 inch = 150 feet

West Roxbury to Needham Reliability Project

Figure 5-2b

Detail of Overhead to Underground Transition Point at Valley Road (Preferred Route) • Overhead Railroad Tracks Crossing
Overhead to Underground Transition Point at Valley Road (Alternative Design - J&B UNDER MBTA TRACKS)
Overhead to Underground Transition Point at Valley Road (ROUTE VARIATION ONTO VALLEY ROAD)

Stream and utility easement to be crossed using open trench or jack-and-bore, as feasible.

LEGEND
- Existing Transmission Structure
- Proposed Structure
- Proposed Open Trench or Jack-and-Bore
- Noticed Alternative Route
- 20' Municipal Sewer Easement
- Municipal Sewer Line
- Bordering Vegetated Wetland
- Top of Bank/ Mean Annual High
- Stream Centerline
- 100' Buffer Zone
- Hydrologic Connection (DEP Wetlands)
- MBTA Commuter Rail Tracks
- Eversource ROW Easement
- Eversource & MBTA ROW Easement
- Greendale Avenue Park Land
- Greendale Avenue Municipal Parcel (Gravel Pit)

Scale 1:1,000
1 inch = 150 feet (feet)

West Roxbury to Needham Reliability Project

Figure 5-4

Detail of Overhead to Underground Transition Point at Valley Road ( Noticed Alternative Route)
Geotechnical Data Collection on Gravel Pit Parcel to Support Proposed UG Design and Route

Figure 1: Access to Geotechnical Boring Locations on Needham Gravel Pit Parcel
Proposed 30-foot Wide Easement to Install and Maintain UG Transmission Line on Gravel Pit Parcel
Approximate Locations of Trees within 30-foot Wide Easement

Vegetation to be selectively removed and minimized as much as possible from within the easement area. Work zone to be restored with plantings, seed and, if desired by the Town, a stone dust pathway extending from Greendale Avenue onto gravel pit parcel.
View of Existing Conditions on Gravel Pit Parcel Knoll

PHOTO 1
View of Existing Conditions on Gravel Pit Parcel onto Greendale Avenue

PHOTO 2
• EFSB Petition Filed – June 15, 2016
• MEPA ENF Filed – June 15, 2016
• MEPA Certificate on ENF Issued – July 22, 2016
• Parks and Recreation Commission Formally Voted to Endorse Warrant Article for 30-foot Easement – August 22, 2016
• EFSB Public Statement Hearing – September 27, 2016
• Permits obtained for geotechnical boring and data collection for OH transmission line structure foundations (work is underway) – May through August 2016.
• Town Meeting Vote to Secure Easement – October 7, 2016
West Roxbury to Needham Reliability Project
Next Steps

- Advance design details of OH and UG transmission line segments including permitting & approvals for UG geotechnical data collection work in local streets;

- Develop framework for “Host Community Agreement” in consultation with Town Officials;

- Ongoing outreach with residents and other stakeholders;

- Continue to work through the MEPA EIR and EFSB Petition review processes including ongoing coordination with affected municipalities and other stakeholders; and

- Commence environmental permitting efforts (local, state, federal).
Assuming receipt of all necessary permits and approvals, construction of the transmission line is anticipated to commence in 2017.

Construction is anticipated to occur over an 18-month period, and to be completed by the end of 2018.
Proactive Municipal and Community Outreach Throughout Project Duration

**Stakeholders**
- Municipal officials
- State and federal elected officials and agencies
- Property owners & tenants
- Businesses
- Community Groups

**Project Communication for Municipalities**
- Briefings & Presentations

**Project Communication for the Public**
- News Releases/Media Advisories
- Door to door outreach, including door hangers
- Transmission 1-800-Hotline
- Project e-mail
- Customer letters
Contact Information

Jack Lopes
Community Relations Specialist
508-660-5251
Jack.Lopes@eversource.com