

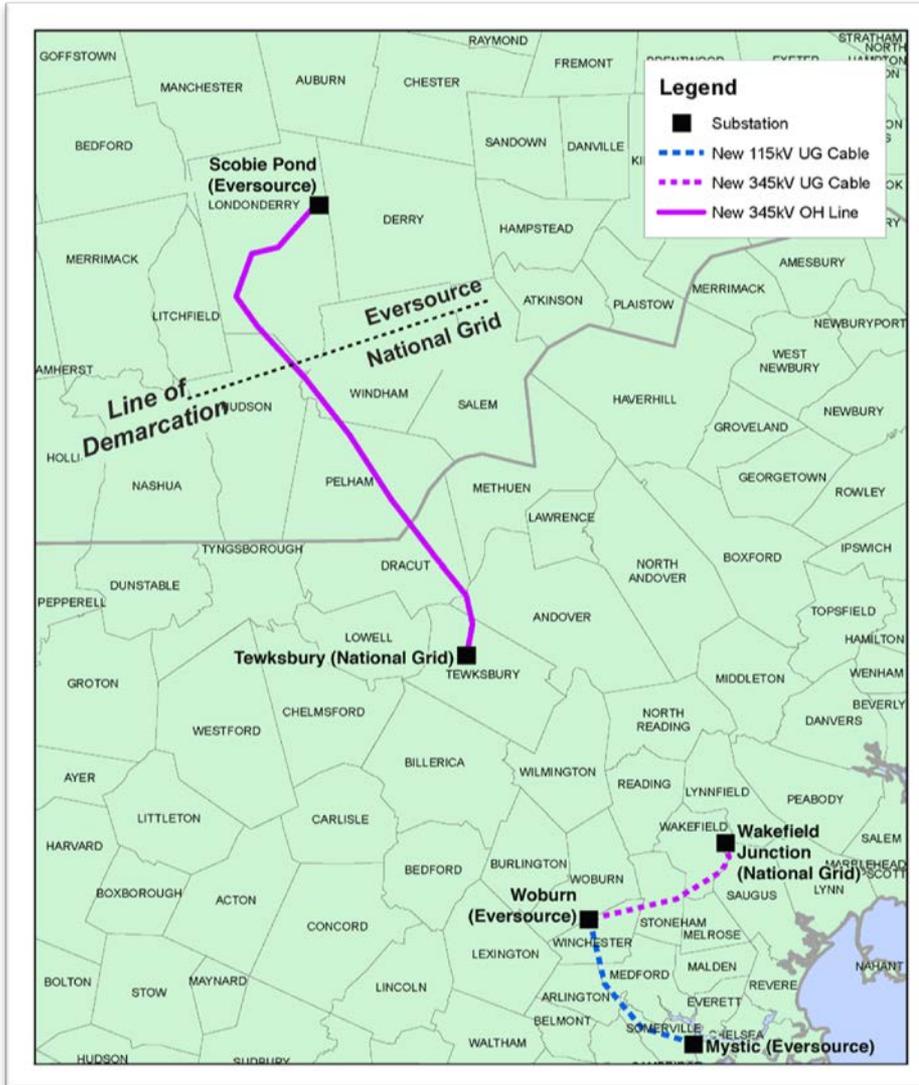
Woburn to Wakefield 345-kV Line Project and Mystic to Woburn 115-kV Line Project



**Town of Winchester Board of Selectmen Presentation
April 6, 2015**

- Open, regular communication
- Recommendations on outreach
 - Community leaders and town departments we should engage
 - Efforts to educate and inform
- Participation in implementing our Solution

Why Customers Need This Project

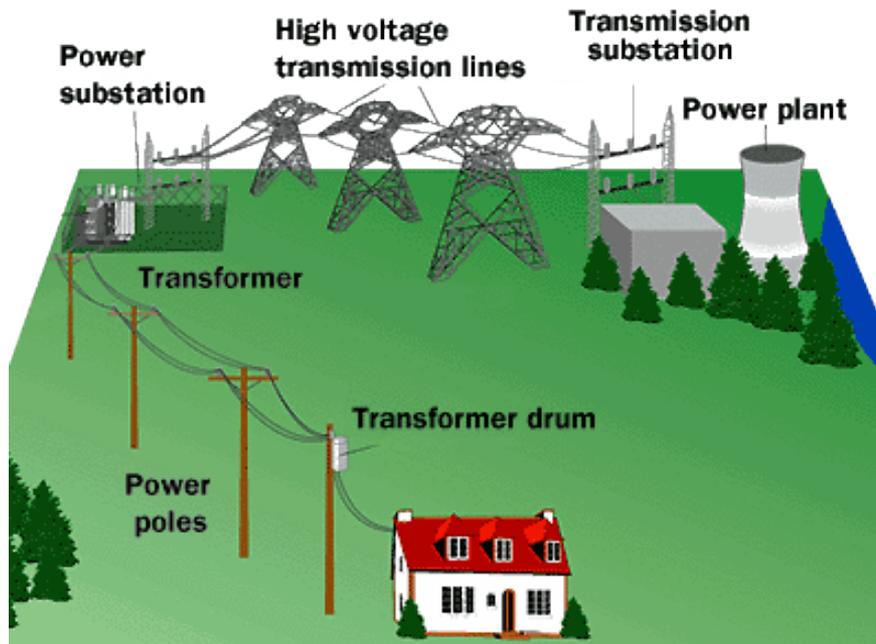


- The Greater Boston and southern New Hampshire region has the most concentrated and fastest-growing electric demand in New England.
- ISO-NE System Studies since 2008 have identified potential overloads on existing transmission lines.
- National Grid/Eversource Solution set, including the *Woburn to Wakefield Line Project* and the *Mystic to Woburn 115-kV Line Project*, will solve area reliability needs

ISO New England’s “preferred solution” projects include:

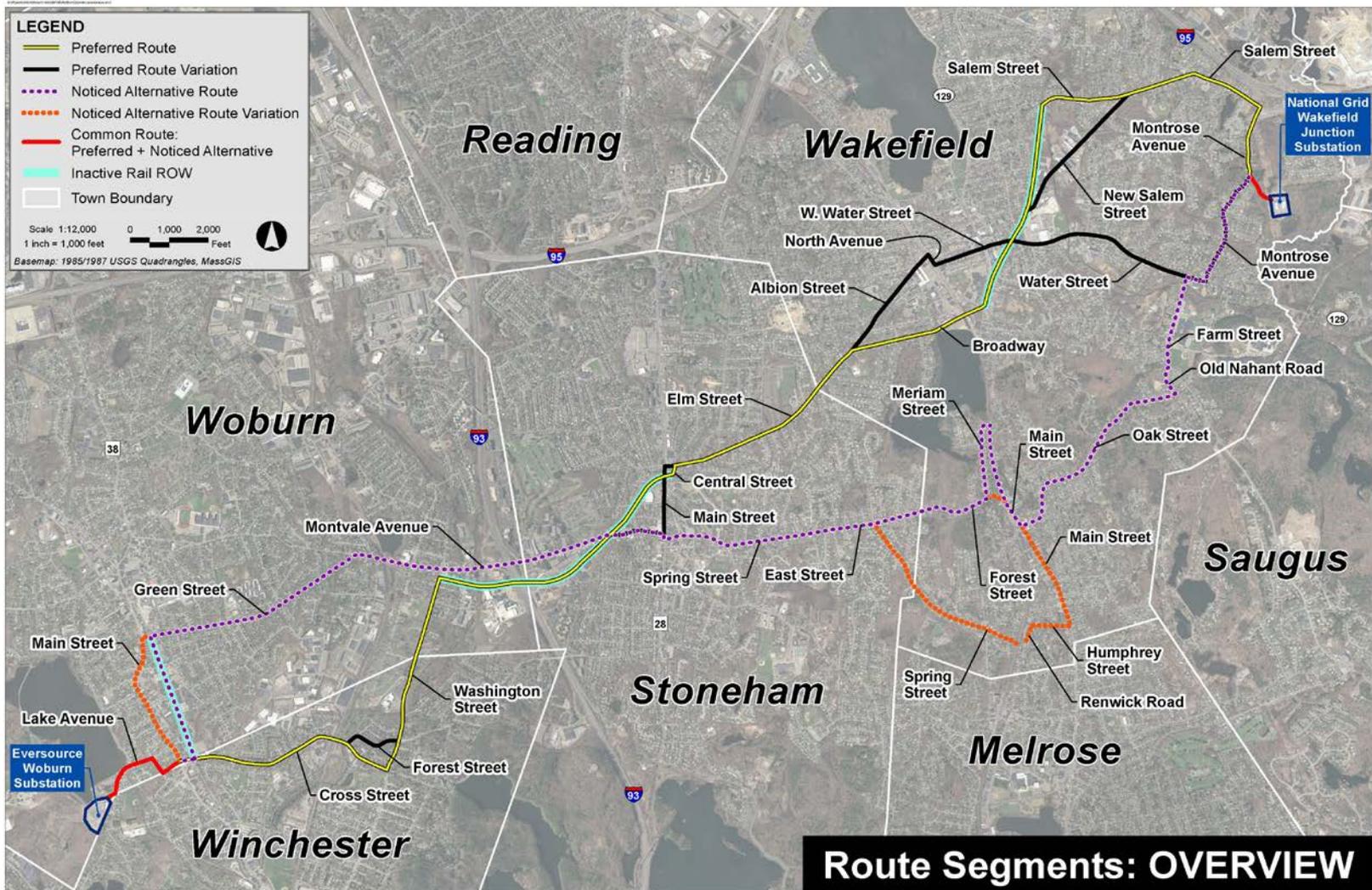
- **The Mystic (Everett) to Woburn Line Project**: a new underground 115-kV line through Everett, Boston (Charlestown), Somerville, Medford, Winchester, and Woburn, MA
- **The Woburn to Wakefield Line Project**: a new underground 345-kV line through Woburn, Winchester, Stoneham, and Wakefield, MA
- **The Merrimack Valley Reliability Project**: a new overhead 345-kV line in Londonderry, Windham, Hudson, and Pelham, NH, and Dracut, Andover, and Tewksbury, MA

- The Woburn to Wakefield and Mystic to Woburn Line Projects are transmission projects.
- Transmission lines are like interstate highway system
 - Backbone of the electric system, carry bulk supply of electricity
- Distribution lines are lower voltage, carry power to homes

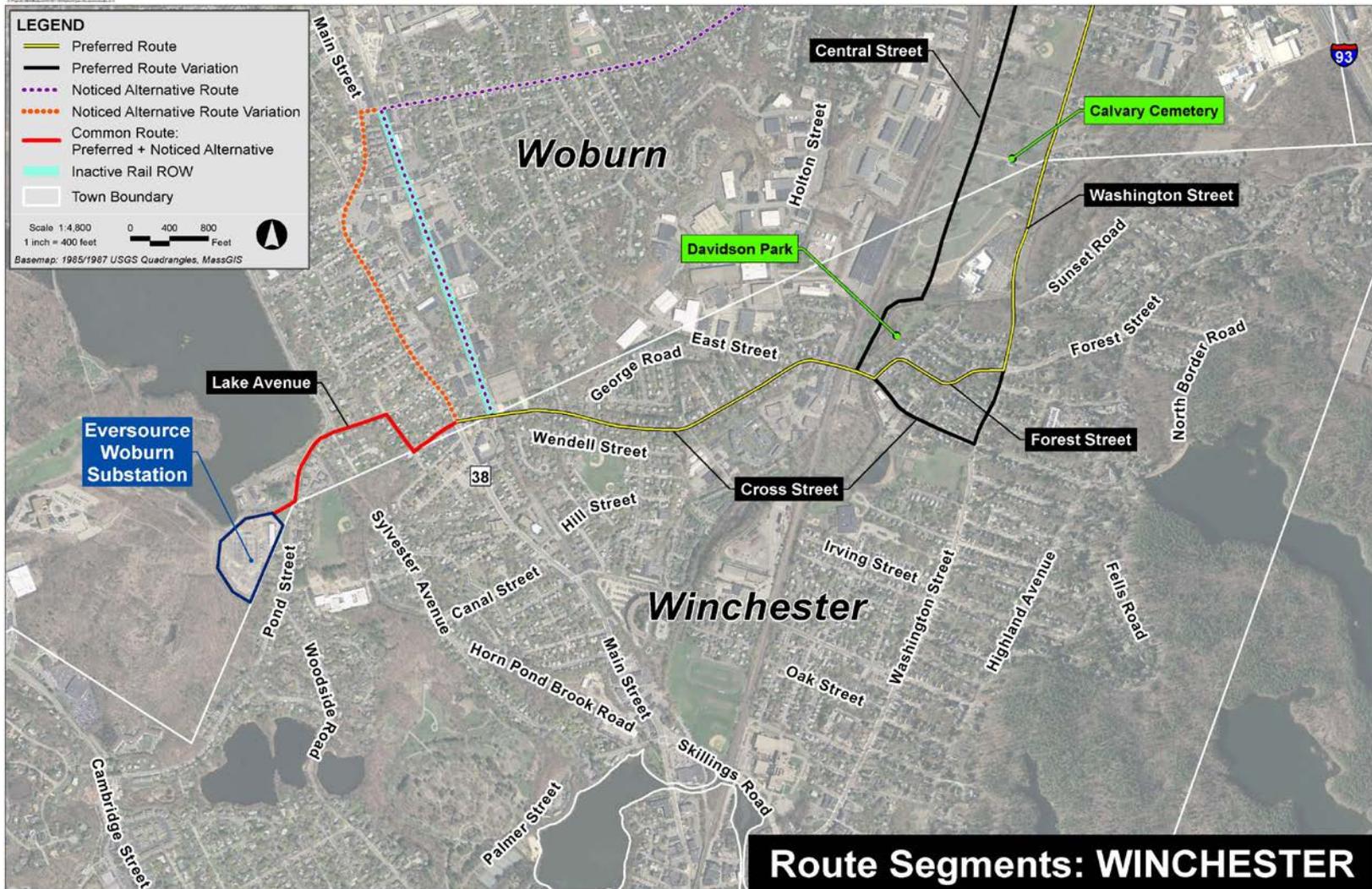


- Proposed new 345-kilovolt (kV) underground transmission line
- Connects the Eversource Woburn Substation in Woburn and National Grid Wakefield Junction Substation in Wakefield
- Approximately 8.4 miles through Woburn (1.4 mi), Winchester (1.6 mi), Stoneham (1.8 mi), and Wakefield (3.6 mi)
- Includes improvements within the existing Woburn and Wakefield Junction substation properties
- Overall project investment of approximately \$107 million

Woburn to Wakefield Line Project



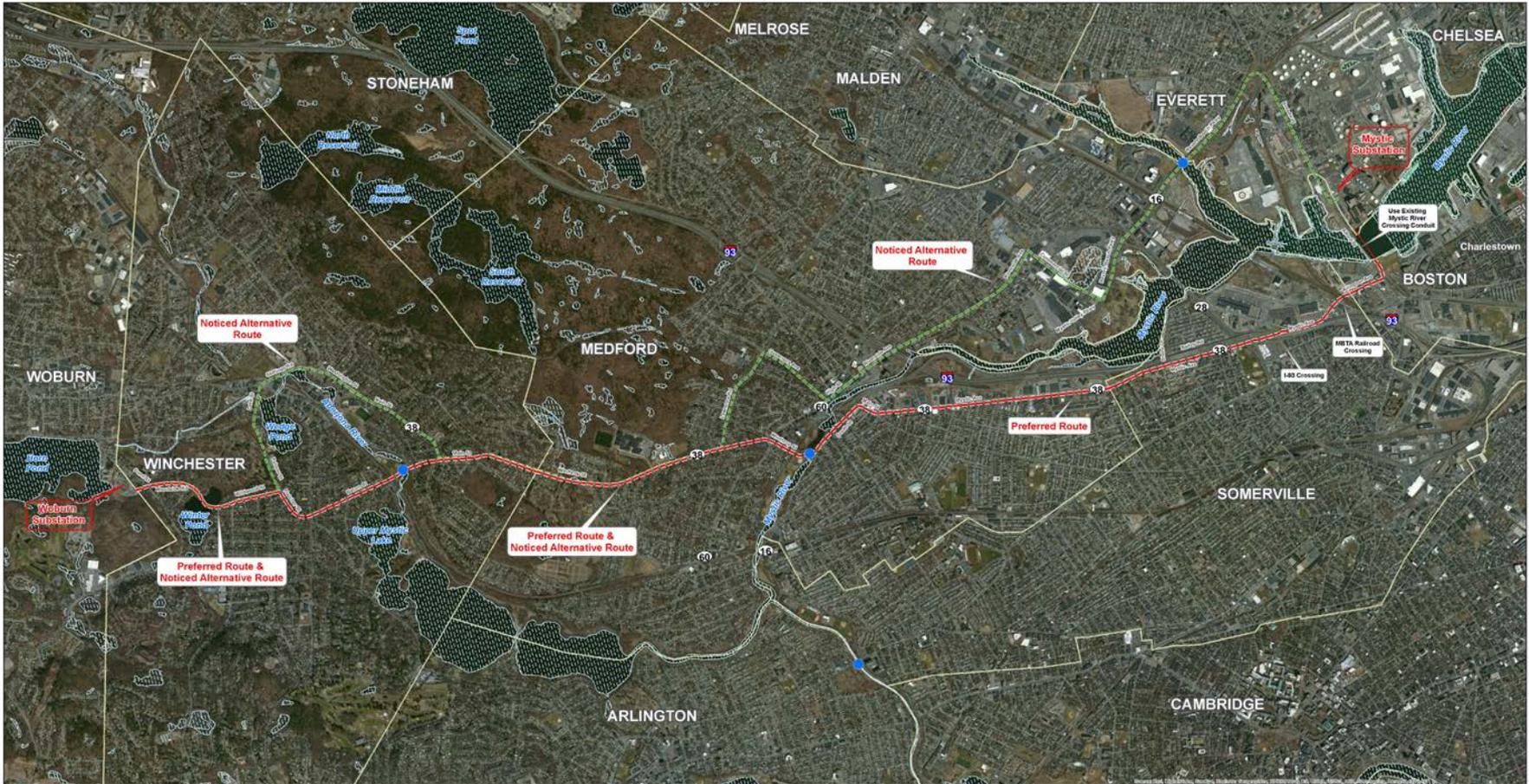
Woburn to Wakefield Line Project



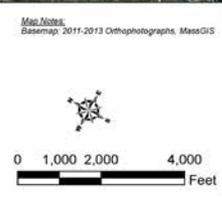
- 1.6 miles in Winchester
- Significant portions of preferred route in inactive rail bed. Working with the Tri-community greenway project team.
- Estimated \$ 107 million infrastructure total project investment (including substation investments in Woburn and Wakefield)
- Approximately 20% of the linear mileage is in Winchester
- Eversource will pay appropriate personal property taxes on final infrastructure investment in Winchester.
- Coordinating closely with town in planning and construction phases

- Proposed new 115-kilovolt (kV) underground transmission line
- Connects the Eversource Mystic Substation in Everett and the Eversource Woburn Substation in Woburn.
- The proposed Project will extend approximately 7.2 miles between two existing Eversource substations, and will pass through Everett, Boston, Somerville, Medford, Winchester, and Woburn.
- Overall project investment of approximately \$70 million
- Includes improvements within the existing Woburn and Mystic Substation properties

Mystic to Woburn Line Project



- Legend**
- - - Preferred Route
 - - - Noticed Alternative Route
 - Existing Mystic River Crossing
 - MassDEP Wetlands
 - Municipal Boundary
 - Waterbody Crossing



**New 115 kV Transmission Line
Woburn Substation to Mystic
Substation**

Preferred Route and Noticed Alternative

EVERSOURCE
ENERGY

POWER ENGINEERS
Tighe & Bond
Environmental Services Inc.

April 2015

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- Approximately 2.3 miles in Winchester (preferred route)
- Est. \$ 70 million infrastructure total project investment (including substation investments in Everett and Woburn)
- Approximately 30% of the linear mileage is in Winchester
- Eversource will pay appropriate personal property taxes on final infrastructure investment in Winchester.
- Coordinating closely with town in planning and construction phases

Anticipated Project Schedule

Meeting/Event	Date
Winchester Board of Selectmen Presentation	April 6, 2015
Woburn Public Open House	April 27, 2015
Stoneham Public Open House	April 28, 2015
Winchester Public Open House	April 29, 2015
Wakefield Public Open House	April 30, 2015
Somerville Public Open House	May 4, 2015
Massachusetts EFSB Filing	2 nd Quarter of 2015
Est. Start of Construction	2 nd Quarter of 2017
Est. Projects In-Service Date	2018

First Step

- Solicit town input regarding proposed project and potential routes (*ongoing*)

Second Step

- Conduct an Open House to gather community input
 - Winchester – April 29

Third Step

- File an application with the Energy Facilities Siting Board (EFSB)
 - After filing, EFSB conducts a local public hearing (location TBD)

Fourth Step

- EFSB issues its decision
 - If approved, construction can begin on the Project

Federal	<ul style="list-style-type: none">• U.S. EPA: NPDES Construction General Permit
State	<ul style="list-style-type: none">• MA EFSB Approval• MA EOEEA: MEPA ENF• MBTA/MassDOT: Rail Crossing Permit(s); Application for Entry (Railroad & Bus Routes)• MWRA: 8(m) Permit(s)• MHC: Project Notification Form
Local	<ul style="list-style-type: none">• Conservation Commissions: WPA Determination of Applicability/Order of Conditions/Certificate of Compliance• Boards of Selectmen: Grant of Location (GOL)• Municipal DPWs: Street Opening Permits

Stakeholders

- Municipal officials
- Elected officials and regulators
- Regional Planners
- Property owners & tenants
- Businesses
- Community Groups

Project Communication for Municipalities

- Briefings & Presentations
- E-mail updates

Public

- Transmission 1-800 Hotline
- Project Website and contact email address
- Community Meetings/Open Houses
- News Releases/Media Advisories
- Door hangers
- Letters



nationalgrid **EVERSOURCE**

Email Us | 844-646-8427

The Superior Energy Solution for Greater Boston and New Hampshire

A strong electrical transmission system is vital to our region's safety, security, and economic prosperity.

National Grid and Eversource are combining our decades of experience and commitment to customers to bring you the most cost-effective and readily implementable solution.

The proposed project will meet system reliability needs and support current and future economic growth in Massachusetts and New Hampshire.

Call or email us with questions: 844-646-8427 or Info@MA-NHsolution.com



www.MA-NHsolution.com
1.844.646.8427

Eversource - Woburn to Wakefield Project Manager

Bev Schultz

978-505-9500

Beverly.Schultz@eversource.com

Eversource - Mystic to Woburn Project Manager

David Velez

781-441-8241

David.Velez@eversource.com

Community Relations Specialist

Jack Lopes

508-660-5251

Jack.Lopes@eversource.com

Community Relations Specialist

Bill Zamparelli

617-429-5250

William.Zamparelli@eversource.com