

Merrimack Valley Reliability Project

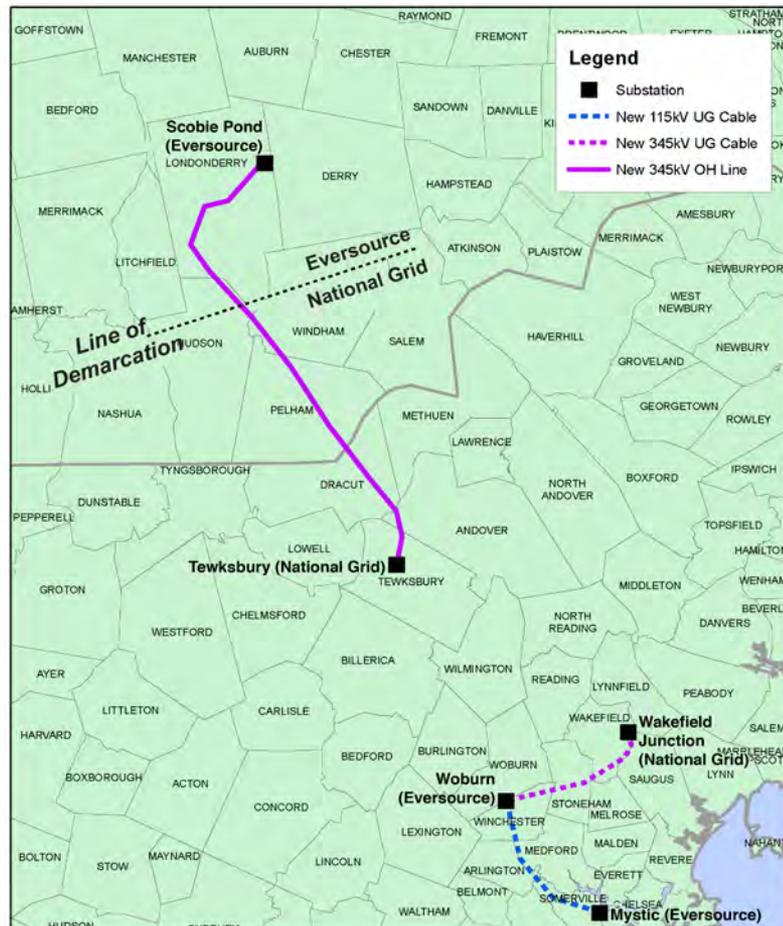


Windham, NH Board of Selectmen
February 23, 2015

Facilitating Our Partnership

- 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



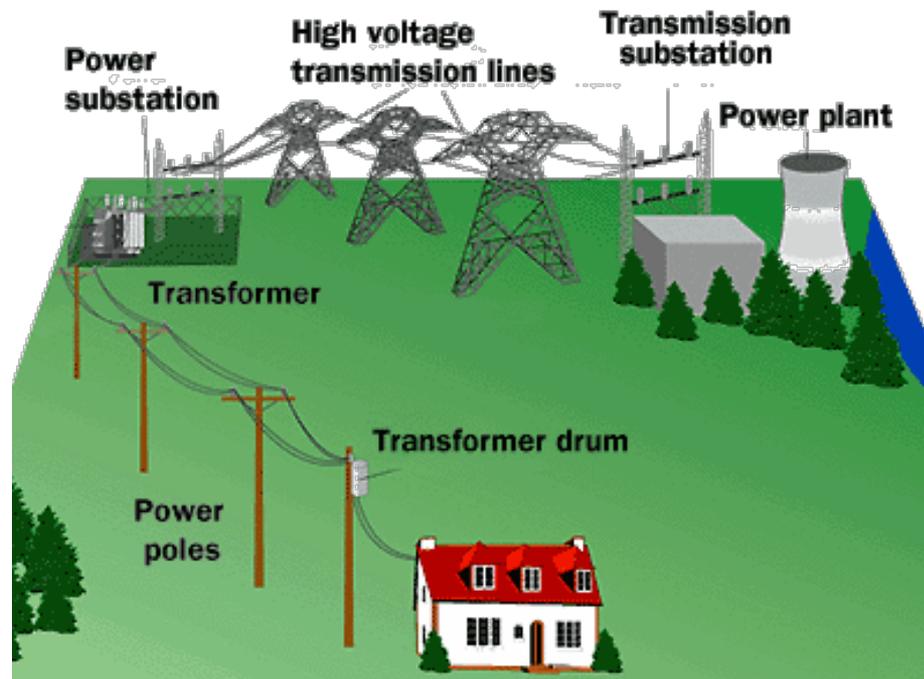
- The Greater Boston and southern New Hampshire region has the most concentrated and fastest-growing electric demand in New England.
- ISO-NE System Studies since 2008 have identified potential overloads on existing transmission lines.
- Without upgrades, customers will pay more for their electricity.
- National Grid/Eversource Solution set, including the *Merrimack Valley Reliability Project (MVRP)*, will solve reliability needs and create \$520M investment in MA and NH.

ISO New England Recommendation

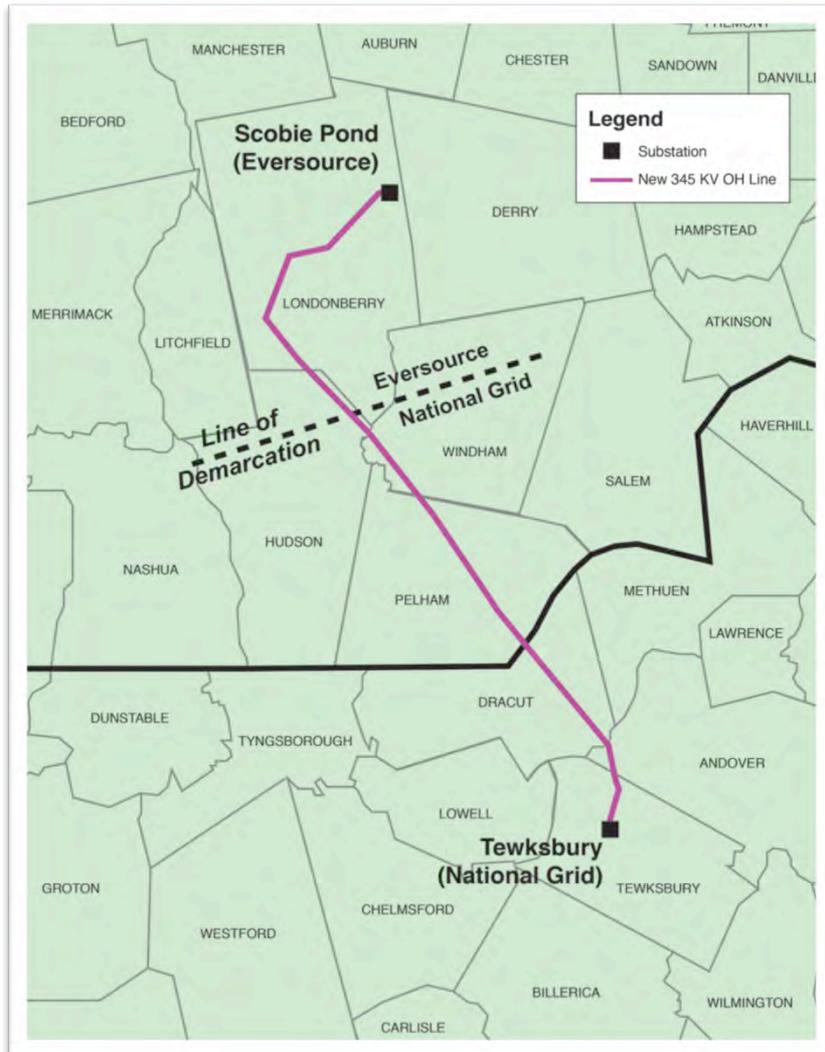
- On February 12, ISO-NE selected the Greater Boston and New Hampshire Solution.
- ISO-NE determined that our Solution was “...a lot more cost effective, but also had superior performance.”
- “...it is imperative that the Greater Boston area transmission projects move forward...without these upgrades in place in the near future, power system reliability...may suffer.”

Transmission vs. Distribution

- MVRP is a transmission project
- 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



Merrimack Valley Reliability Project



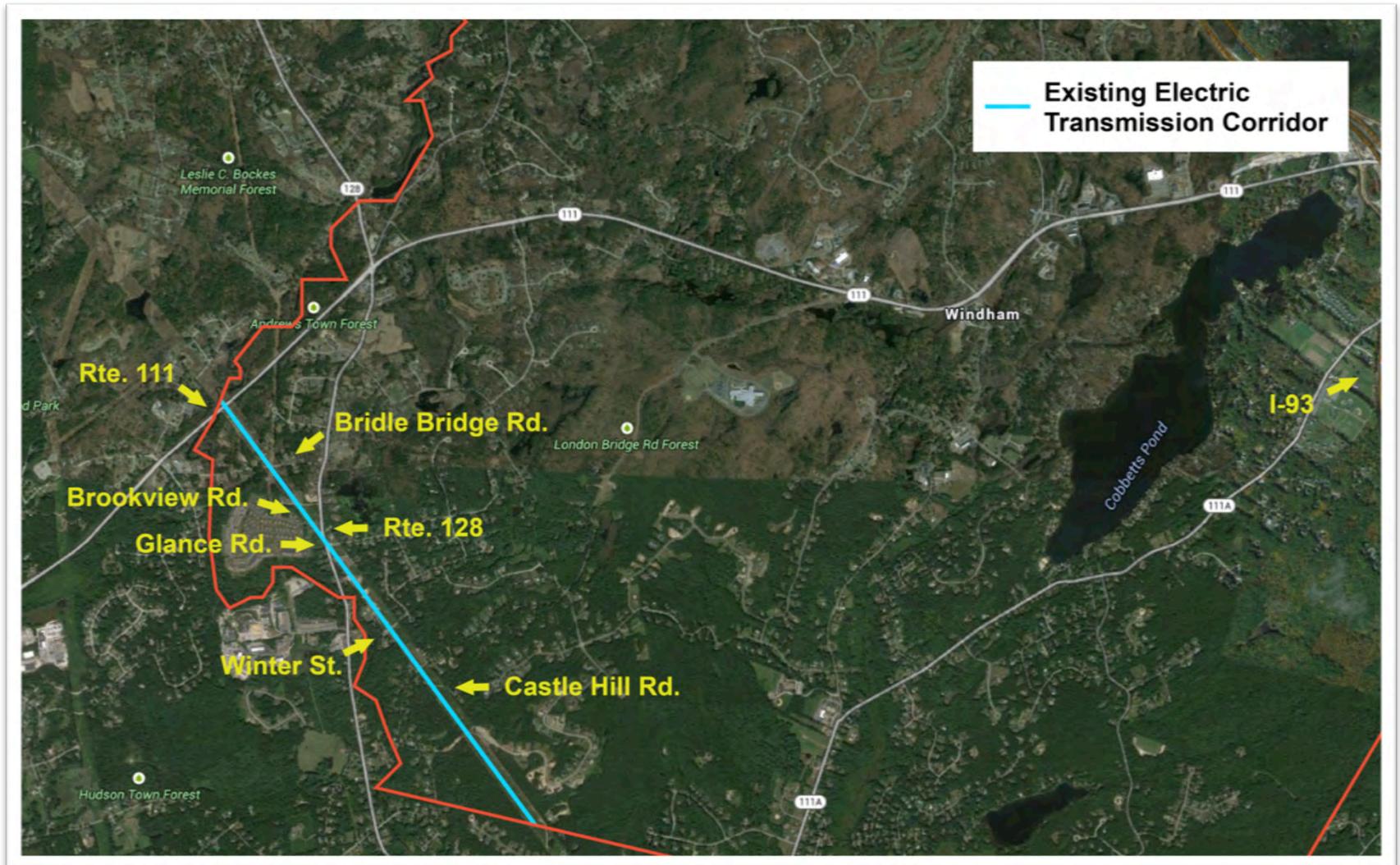
- New overhead 345-kV line
- \$123M investment
 - \$82M in NH
 - \$41M in MA
- 24.6 miles - All in existing rights-of-way
 - 18.1 mi in NH
 - 6.5 mi in MA

MVRP Benefits

- Maintains reliable electric service
- Large local investment → Approximately \$82M in NH
 - Once in service, will provide approx. \$235,800 in tax revenues annually to Windham
 - Construction jobs in MA & NH
- Minimal community impact



Windham, NH Project Scope

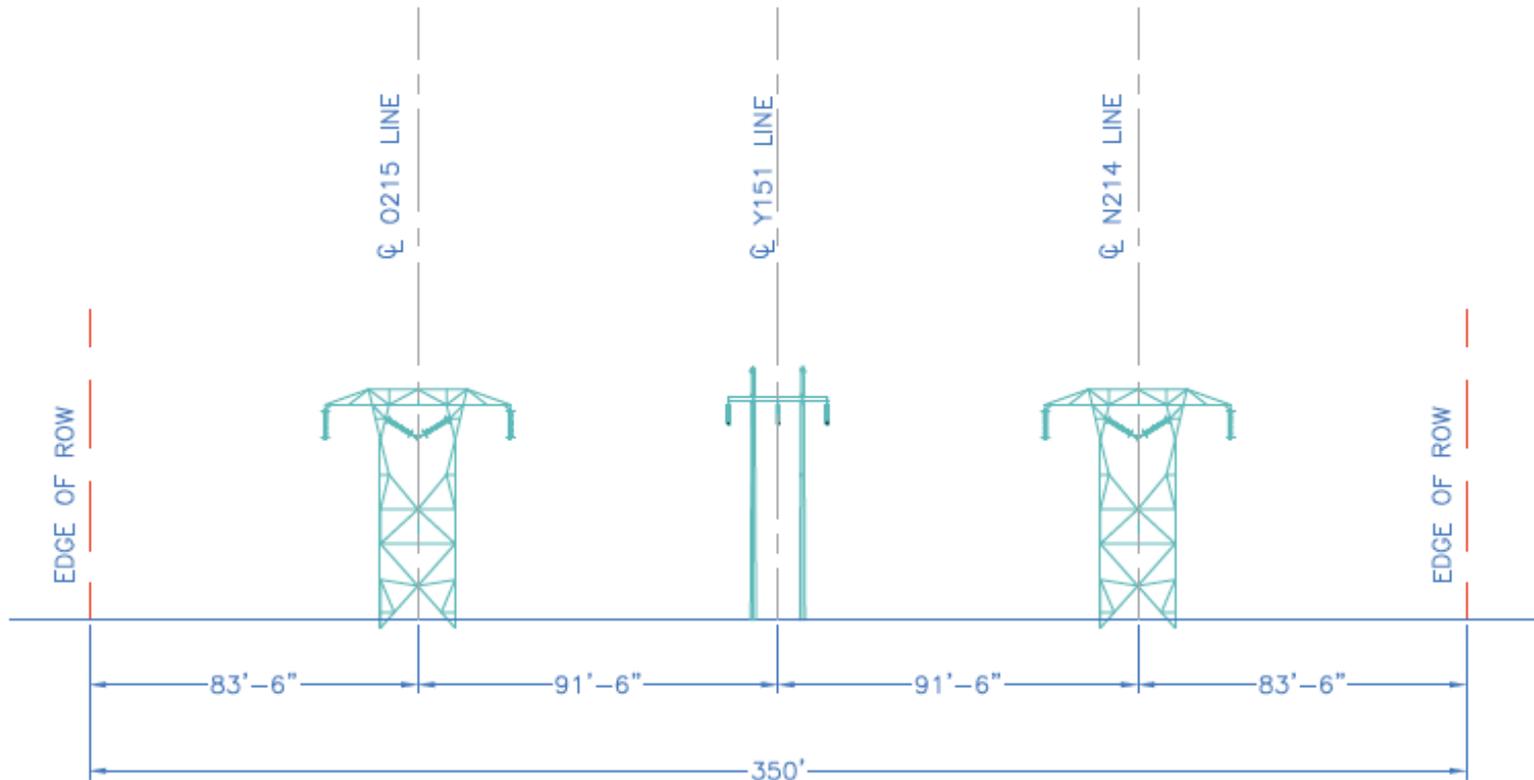


Windham, NH Project Scope

- In existing utility ROW – *no additional land required*
- Approx. 2.12 miles of work
- Relocate approx. 23 structures
- Add approx. 22 new structures
- Avg. structure height is 80'-85'
 - Similar to tallest existing structures

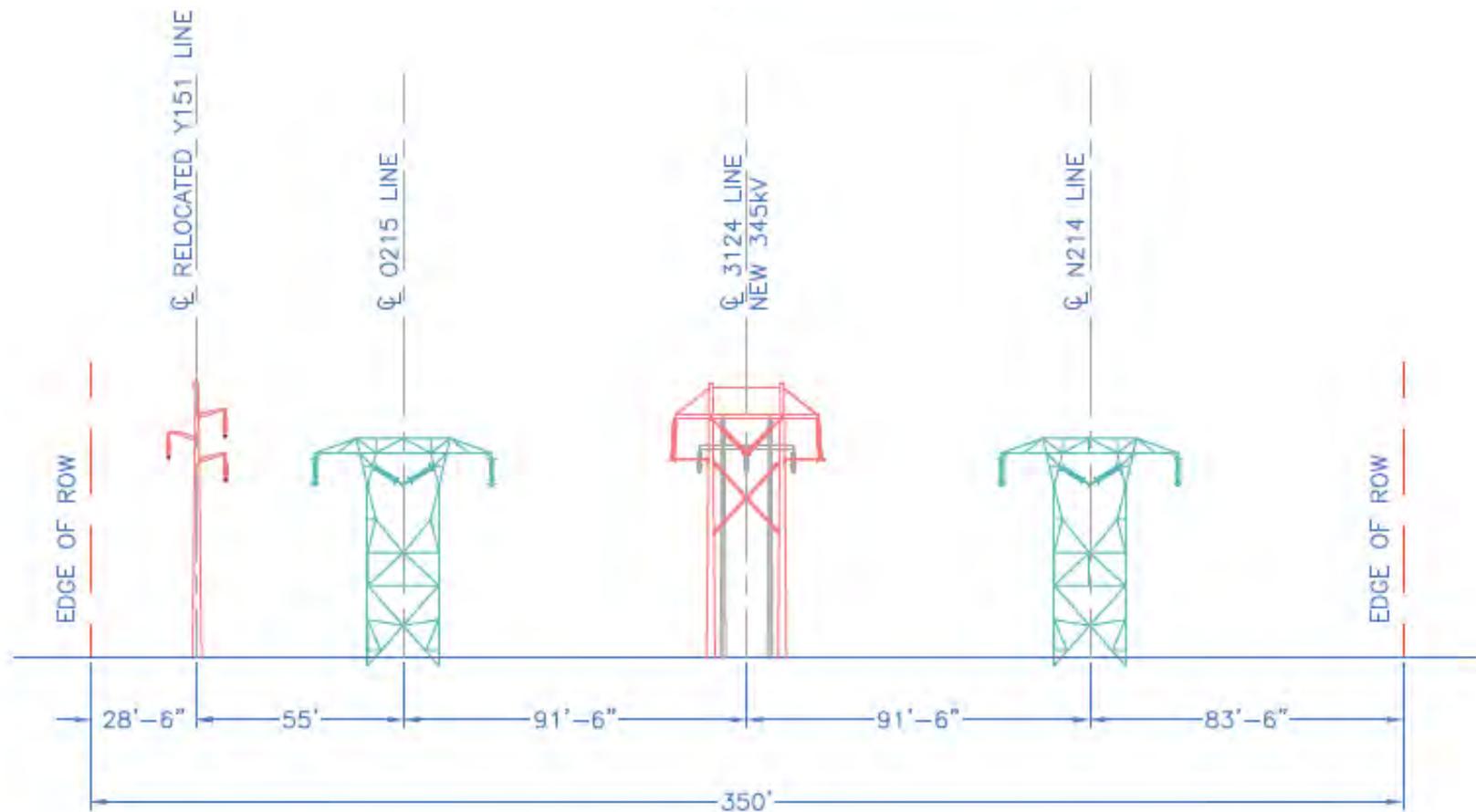
Windham ROW Example (Current)

 Existing Structures



Windham ROW Example (Proposed)

- Proposed Structures
- Existing Structures



MVRP Permits

Federal	<ul style="list-style-type: none">• ACOE Section 404/Section 10 Individual Permit• Section 106 Review• NPDES General Stormwater Permit
State*	<ul style="list-style-type: none">• NH SEC• Wetlands Permit**• Shoreland Permit**• Alteration of Terrain Permit**• Water Quality Certification**• NHDOT Permit**

*MA requires separate state permitting

**Included in the NH SEC Application Process

NH SEC Process

Step 1

- Solicit town/community input
- Conduct public information session (1 per county)
- Windham Community Meeting: Weds, March 11, 6-8pm (Windham Town Hall)

Step 2

- File application with SEC

Step 3

- SEC evaluates the proposed project
- Conduct Public Information Sessions (1 per county) – 45 days after filing
- SEC/Agency Joint Public Hearings
- SEC Hearing -- 90 days after application submitted

Step 4

- SEC Decision

Proactive Community Outreach

■ Key Stakeholders:

- Local, state, and federal elected officials and regulators
- Property owners and tenants
- Businesses and community groups
- Community leaders

■ Two-way Information Exchange (at minimum):

- Briefings and presentations
- One-on-one meetings
- Public Community Meetings
- Project website
- Email updates
- Project toll-free hotline
- News releases/media advisories
- Customer letters and mailings
- Door-to-door outreach

**We value community
feedback and dialogue!**

Schedule

- Engineering
 - Ongoing, completed upon permitting approvals
- Outreach
 - Began November 2014
- Permitting
 - Began November 2014 in MA
 - Filing federal permits Early Spring
 - Filing NH SEC Late Spring
- Start Construction – 2016
- In service – 2017

Connect with Us

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

Outreach in Windham

Community Meeting	Open House & Public Information Session	Public Information Session	Abutter & Community Outreach
<ul style="list-style-type: none"> - March 11, 2015 - Windham Town Hall, 6-8 PM - Information sharing with the community - Trade show-style with experts 	<ul style="list-style-type: none"> - Late April 2015 - Location in Rockingham County TBD - Joint with Eversource - Information sharing with community - Partly recorded per SEC requirements 	<ul style="list-style-type: none"> - August 2015 - Location TBD - Joint with Eversource - Partly recorded per SEC requirements 	<ul style="list-style-type: none"> - Started in early February 2015 - Multiple phases and waves

Windham Community Meeting

Windham Community Meeting

- **Who:** National Grid, Windham residents and businesses
- **What:** Community Meeting on the Merrimack Valley Reliability Project (MVRP)
- **When:** Wednesday, 3/11 (6 – 8 PM)
- **Where:** Windham Town Hall
- **Why:** To learn more about MVRP, meet the Project team, and have your questions addressed



Thank you!

**We welcome your
questions and feedback!**

Bryan Hudock

Project Manager

bryan.hudock@nationalgrid.com

781.907.3131

Shannon Baxevanis

Stakeholder Relations

shannon.baxevanis@nationalgrid.com

781.907.3289

Jessica Farrell, PE

Lead Engineer

jessica.farrell@nationalgrid.com

781.907.2453