

Improving Electric System Resilience

Vegetation Management on Transmission Rights-of-Way

Glastonbury Town Council Meeting
September 27, 2016

Eversource Service Territories

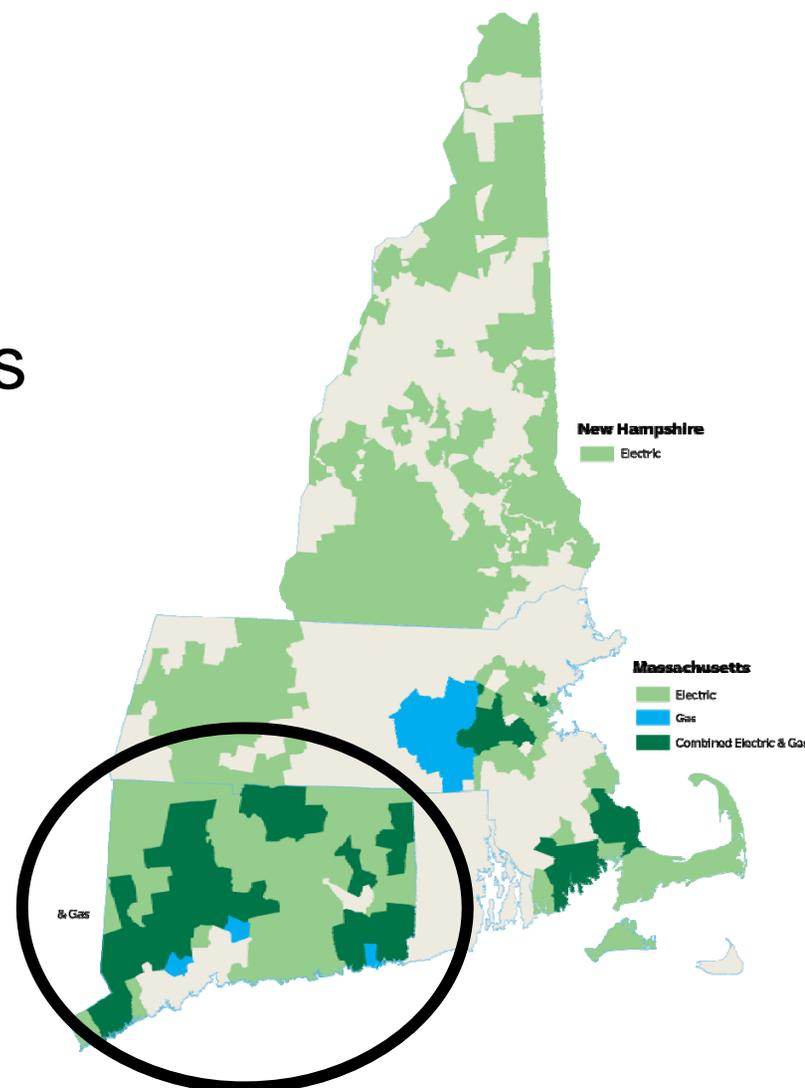


Delivering reliable energy to our customers is the keystone of our company's service commitment

Connecticut

- Electric
- Gas
- Combined Electric & Gas

- 1.2 million electric customers
- 226,000 natural gas customers



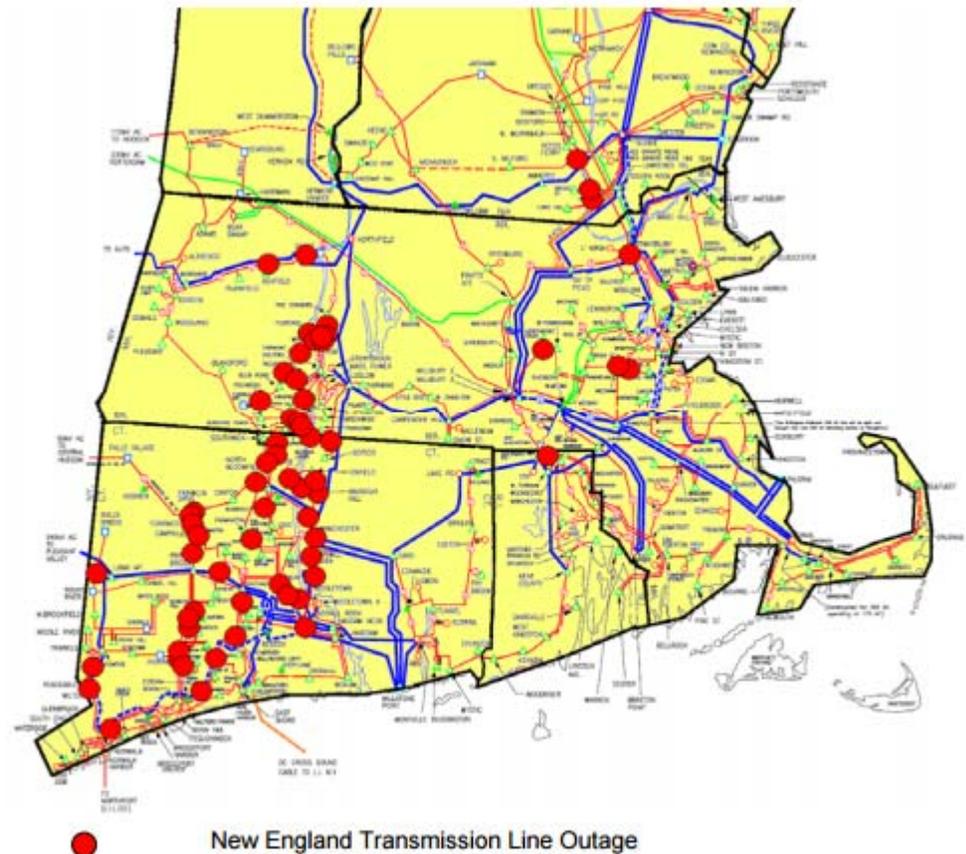
What is the work and why is it needed?

- **To protect the electric system, we will be removing tall-growing tree species in an expanded area of the transmission rights-of-way.**
 - These trees pose a serious safety hazard if they contact energized equipment.
 - Vegetation contact with transmission facilities may lead to power outages that could impact thousands of electric customers.
 - The clearing of trees in the rights-of-way will improve system performance, especially during severe weather.
 - Make the transmission corridor a sustainable, diverse habitat, with grasses, shrubs and low-growing trees that can safely coexist with transmission lines.



Transmission Line Outages during the 2011 October Snowstorm

- Fifty-four of the October Snowstorm's seventy-four transmission line outages in New England (approx. 74%) occurred within the Eversource service territories of CT, Western MA and New Hampshire.
- All of the trees that fell into lines from within the utility's full right-of-way were located outside of the area in which the utility typically performs vegetation management



Examples of falling trees

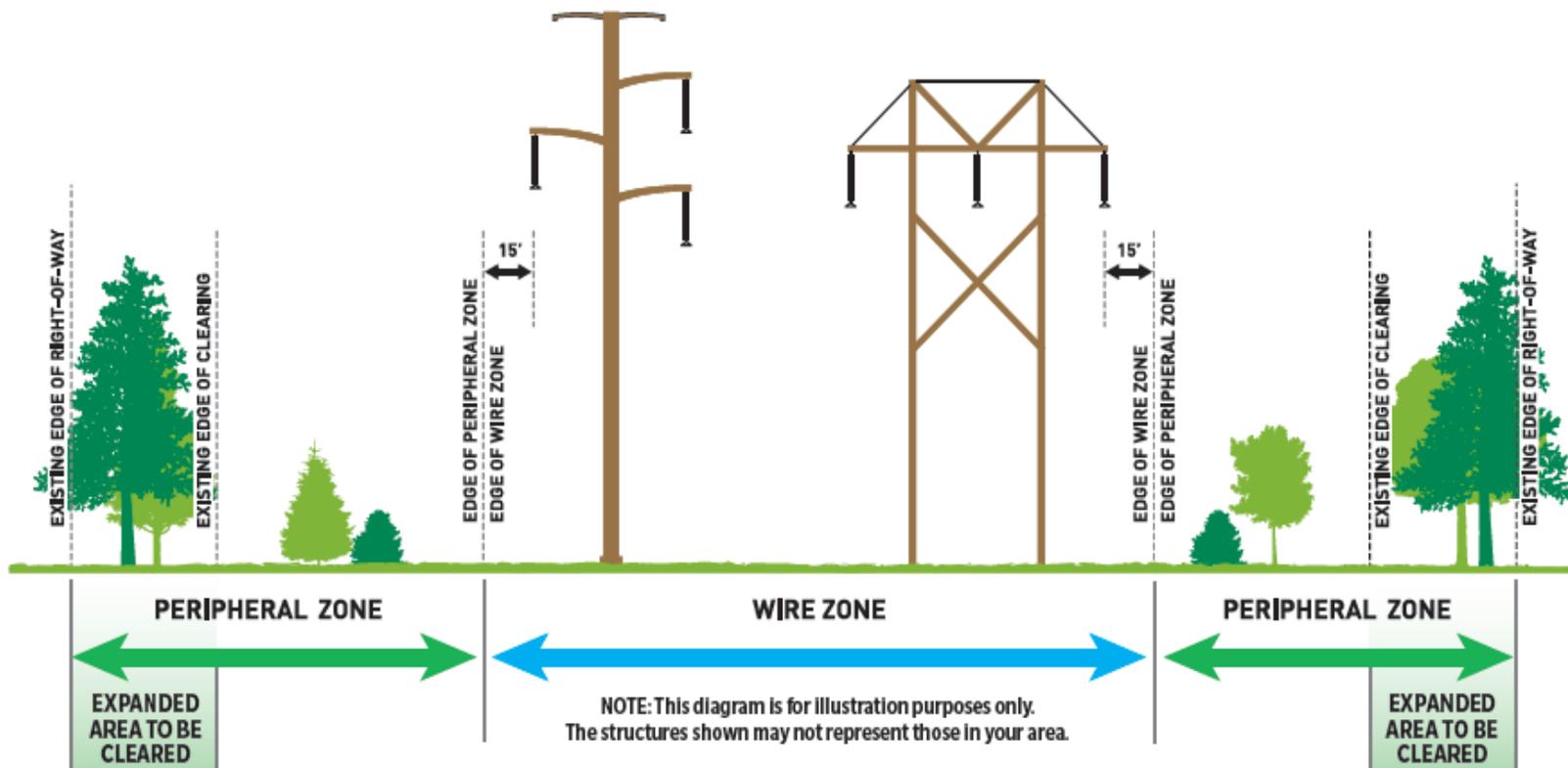


Our approach for vegetation management

- Clearing trees and other vegetation that may potentially interfere with the operation of the transmission facilities, including substations, structures and lines now, or in the future.
- Remove all tall-growing tree species from within the limits of the rights-of-way.
- Make the transmission corridor a sustainable, diverse habitat, with grasses, shrubs and low-growing trees that can safely coexist with transmission lines.

Typical Right-of-Way Condition and expanded area to be cleared

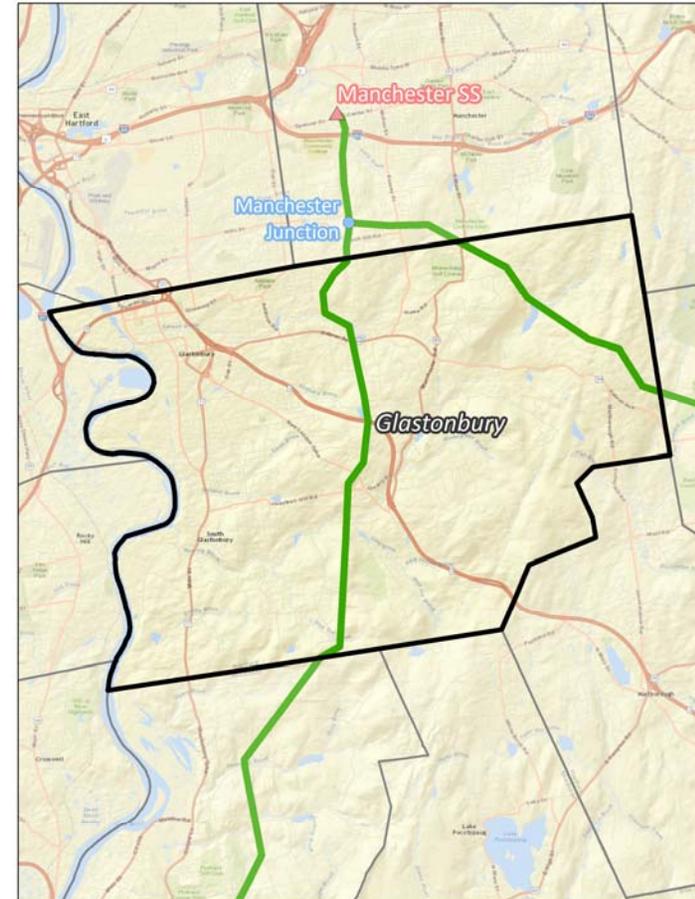
- Average right-of-way width in Glastonbury is 300 feet
- Average width of currently maintained right-of-way in Glastonbury is 200 feet



* Depicts averages; individual locations may vary

Where this work will occur in Glastonbury

- 7.7 miles of transmission right-of-way
 - 4.8 miles on Eversource owned property
 - 2.9 miles on privately owned property (with Eversource easements)
- Projected timeline: Approx. Late October 2016 – Early 2017



Tree clearing on private property

- Eversource will work closely with property owners to explain the limits of clearing and impacts on their property.
- Property owners can retain all or a portion of the wood from the cleared trees on their property.
- Any wood requested by property owners will be left along the edge of right-of-way.



Typical way firewood is left for property owners

- Key stakeholders
 - Property owners/residents
 - Businesses
 - Local officials
 - State officials
 - General public

- How we will communicate with key stakeholders
 - Briefings, presentations
 - Letters
 - Emails
 - Door hangers
 - Field meetings



Project timeline

- **Brief municipal officials:** Completed August 2016
- **Mail start of clearing letter to abutting property owners:** Completed August 2016
- **Outreach to property owners:** Began August 2016 and is on-going
- **Begin clearing:** Approx. Late-October 2016
- **Complete clearing:** Early 2017



Contact Information



Hotline Number: 888-673-9943

Email:

CTVegMaintenance@eversource.com

Questions & Discussion

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