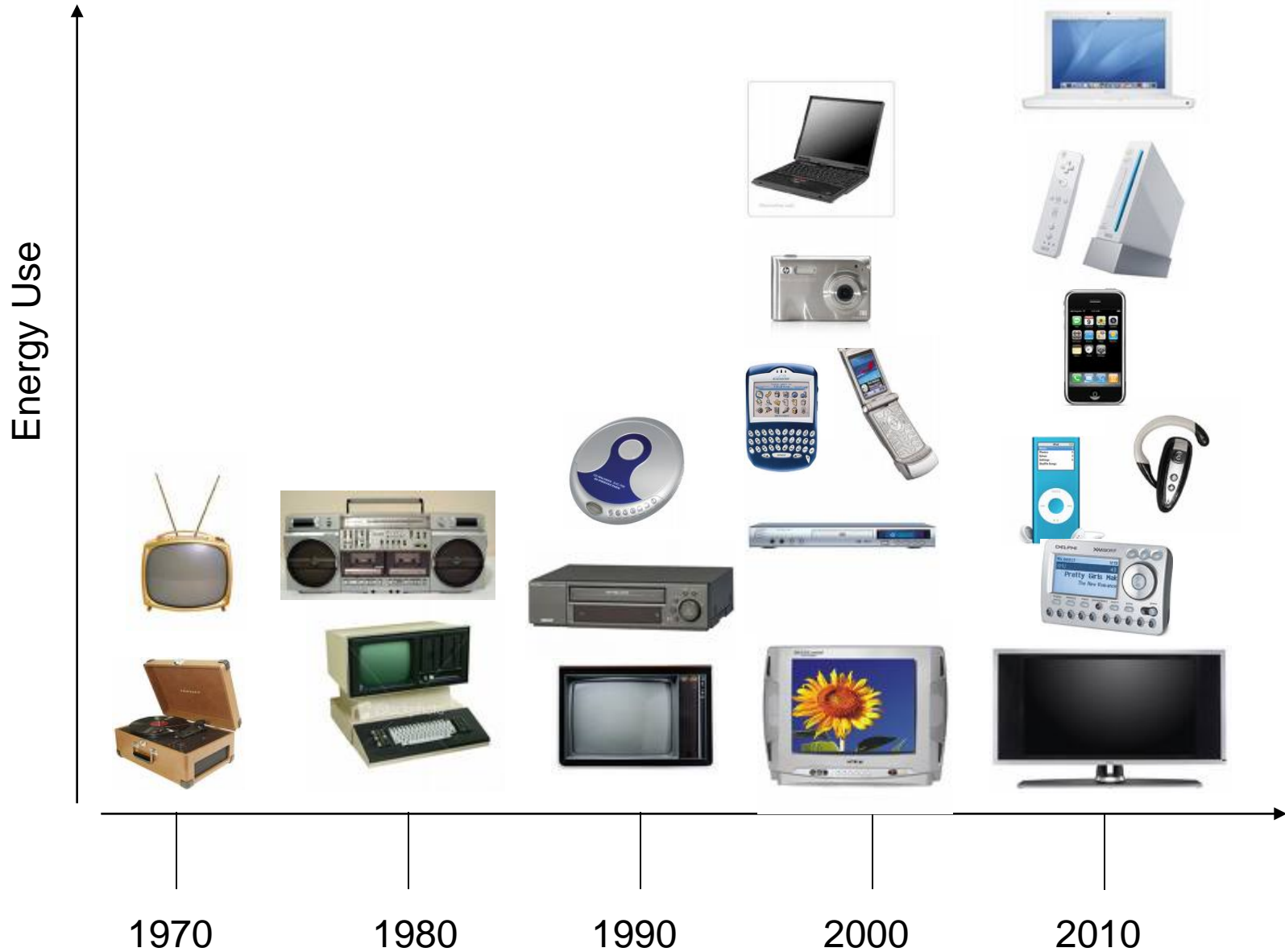


Warrenton Wheeler Gainesville 230kV Reliability Project

April 23, 2013

Growing Energy Demand

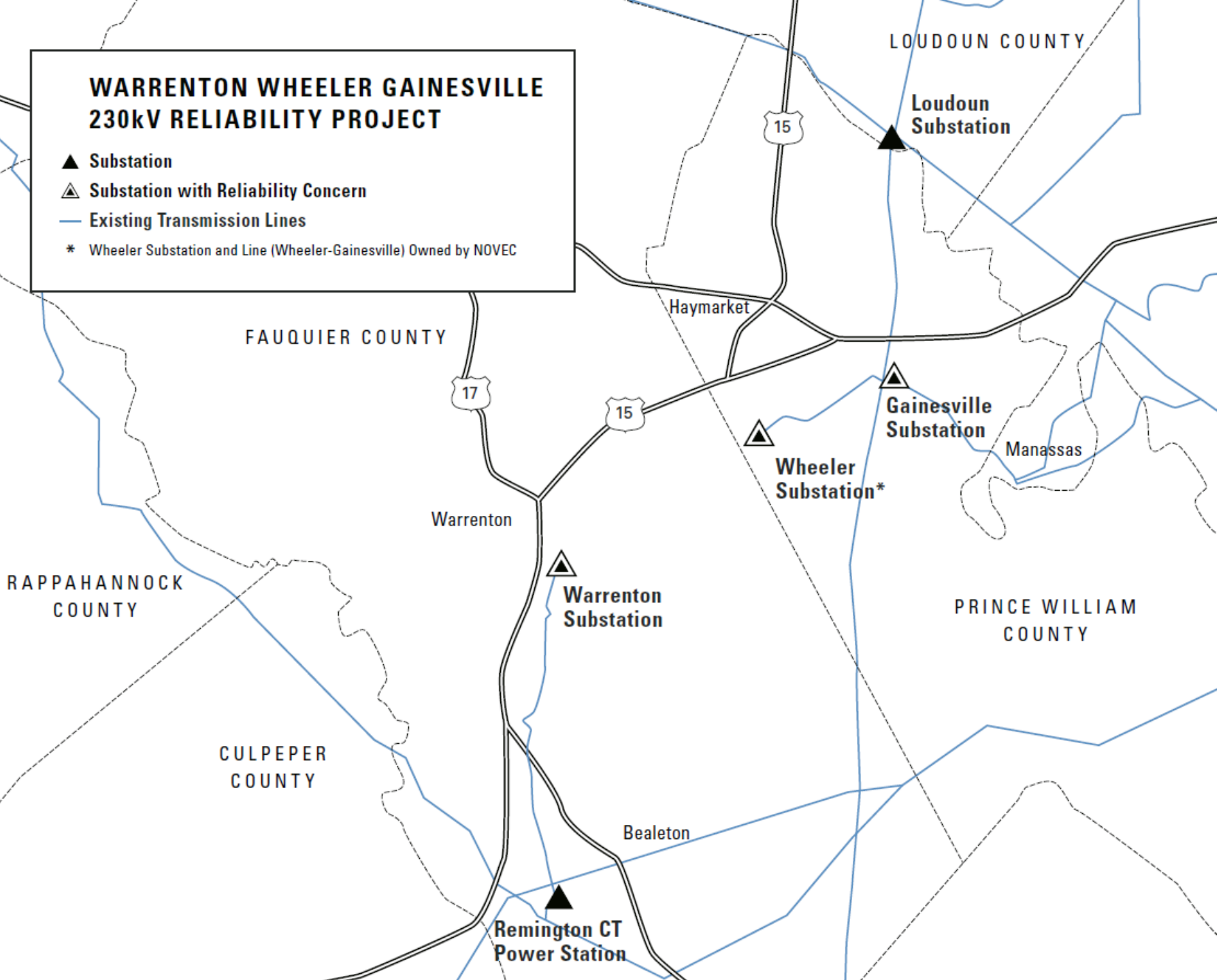


As our infrastructure is aging, we are placing greater demands on the system.

So what does that mean for us locally?

WARRENTON WHEELER GAINESVILLE 230kV RELIABILITY PROJECT

- ▲ Substation
- ▲ Substation with Reliability Concern
- Existing Transmission Lines
- * Wheeler Substation and Line (Wheeler-Gainesville) Owned by NOVEC



WARRENTON WHEELER GAINESVILLE 230kV RELIABILITY PROJECT

- ▲ Substation
- ▲ Substation with Reliability Concern
- Existing Transmission Lines
- * Wheeler Station/Line Owned by NOVEC
- Study Area, Option A
- Wreck/Rebuild, with Temp Line
- Convert 115 to 230kV

OPTION A

Warrenton-Wheeler

Blue shaded area indicates study area to be explored for possible routes through community process
Estimated Cost: \$75 M

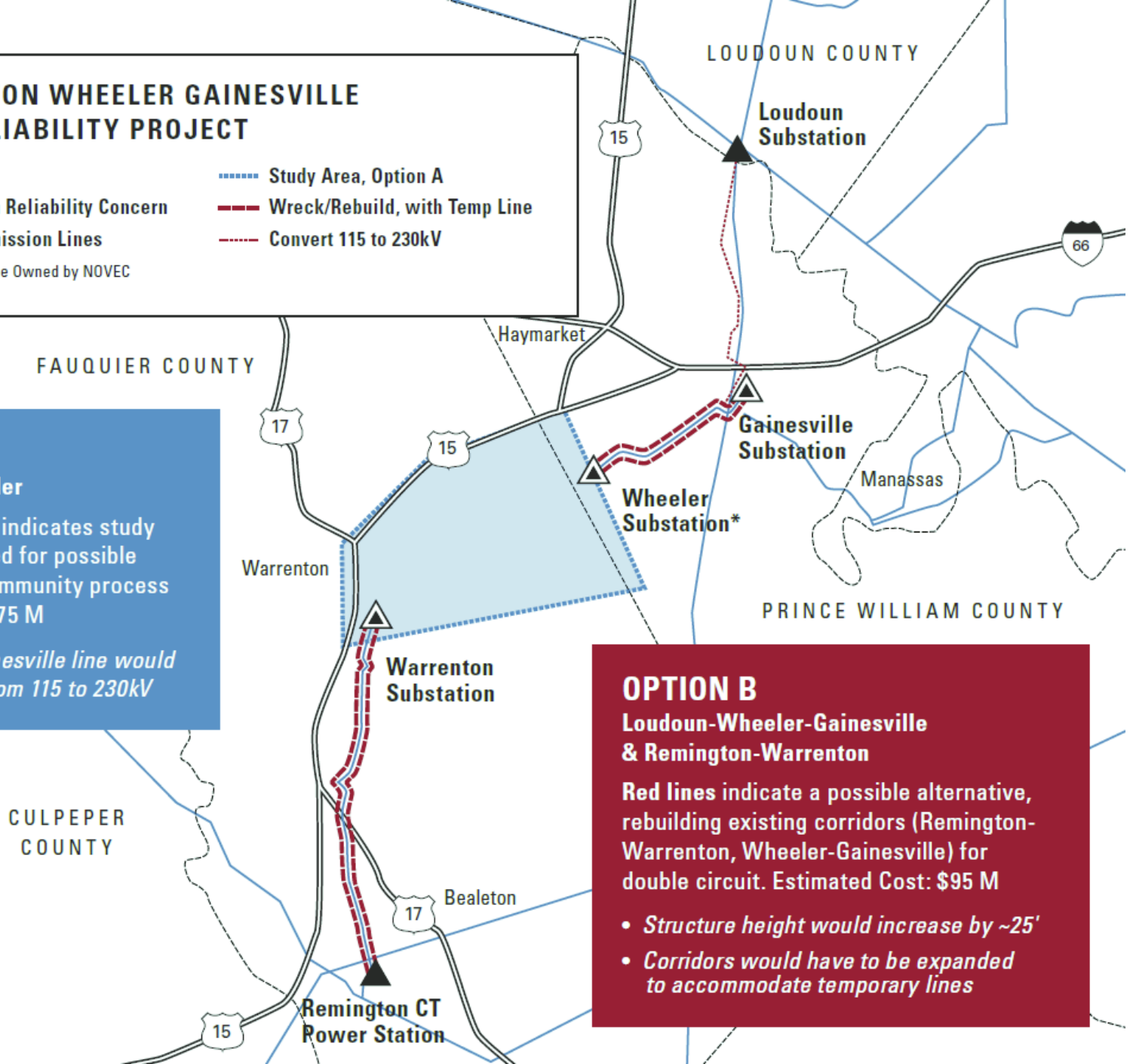
- *Wheeler to Gainesville line would be converted from 115 to 230kV*

OPTION B

Loudoun-Wheeler-Gainesville & Remington-Warrenton

Red lines indicate a possible alternative, rebuilding existing corridors (Remington-Warrenton, Wheeler-Gainesville) for double circuit. Estimated Cost: \$95 M

- *Structure height would increase by ~25'*
- *Corridors would have to be expanded to accommodate temporary lines*



Community Advisory Group

- ❑ Dominion and NOVEC have formed a Community Advisory Group (CAG) that involves representatives from a cross-section of public and private interests in Fauquier and Prince William counties. The CAG will provide community perspectives on opportunities, constraints and issues to aid Dominion in developing feasible routing options for inclusion in an application to the State Corporation Commission.

- This group will meet a minimum of six times this year to consider all aspects of the project and provide valuable input that will help guide the utilities.



Timeline

**Thursday
February 28, 2013**

- LAUNCH: Meet with local elected officials, community leaders, media

Mid-March

- Extend invitations for Community Advisory Group

April-Oct 2013

- Work with Community Advisory Group
- Open House events

Late 2013

- Prepare and submit application to SCC

May 2017

- Project completion target



Electric Transmission Line Projects

Northern Virginia Projects

Arlington: Radnor Heights 230 kV Underground Transmission Lines and Substation

Arlington: Rosslyn 230 kV Line and Substation Upgrades

Cannon Branch 230kV Line & Substation

Cloverhill-Liberty 230kV Line and Substation

Dahlgren 230kV Transmission Line Project

Loudoun County Projects

Loudoun-New Road 230kV Double Circuit Line and Substation (formerly Loudoun-Middleburg)

Mt. Storm - Doubs 500kV Rebuild Project

Warrenton Wheeler Gainesville 230 kV Reliability Project



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At Dominion, our transmission planners are constantly reviewing the reliability of the electric grid. Analyzing the past, reviewing present electric use, and looking ahead, they are identifying issues that could influence our ability to provide electric service safely, reliably and affordably.

In the Warrenton area, there is a deficiency on the horizon. A single transmission line has brought power to the area for 30 years. Over time, that 230 kilovolt (kV) line has slowly approached its recommended loading limit. By 2017, our capacity planning studies show that Dominion must expand its facilities to continue to serve the area reliably and comply with the standards maintained by the North American Electric Reliability Corporation (NERC).

A similar problem exists on the 115 kV line that serves the Vint Hill area. That line is owned by Northern Virginia Electric Cooperative (NOVEC) and originates at Dominion's Gainesville Substation. Gainesville Substation also has similar reliability concerns due to heavy loading.

Dominion and NOVEC want to begin working with the people who know the area best – property owners, community leaders and other local stakeholders – to fully consider any issues and constraints that could influence decisions about where to locate future infrastructure. This outreach will result in Dominion submitting an application with the State Corporation Commission (SCC) by the end of 2013 that incorporates the input we received over months of outreach with local stakeholders.

Project Details

[Project Area Maps](#)[Need For The Project](#)

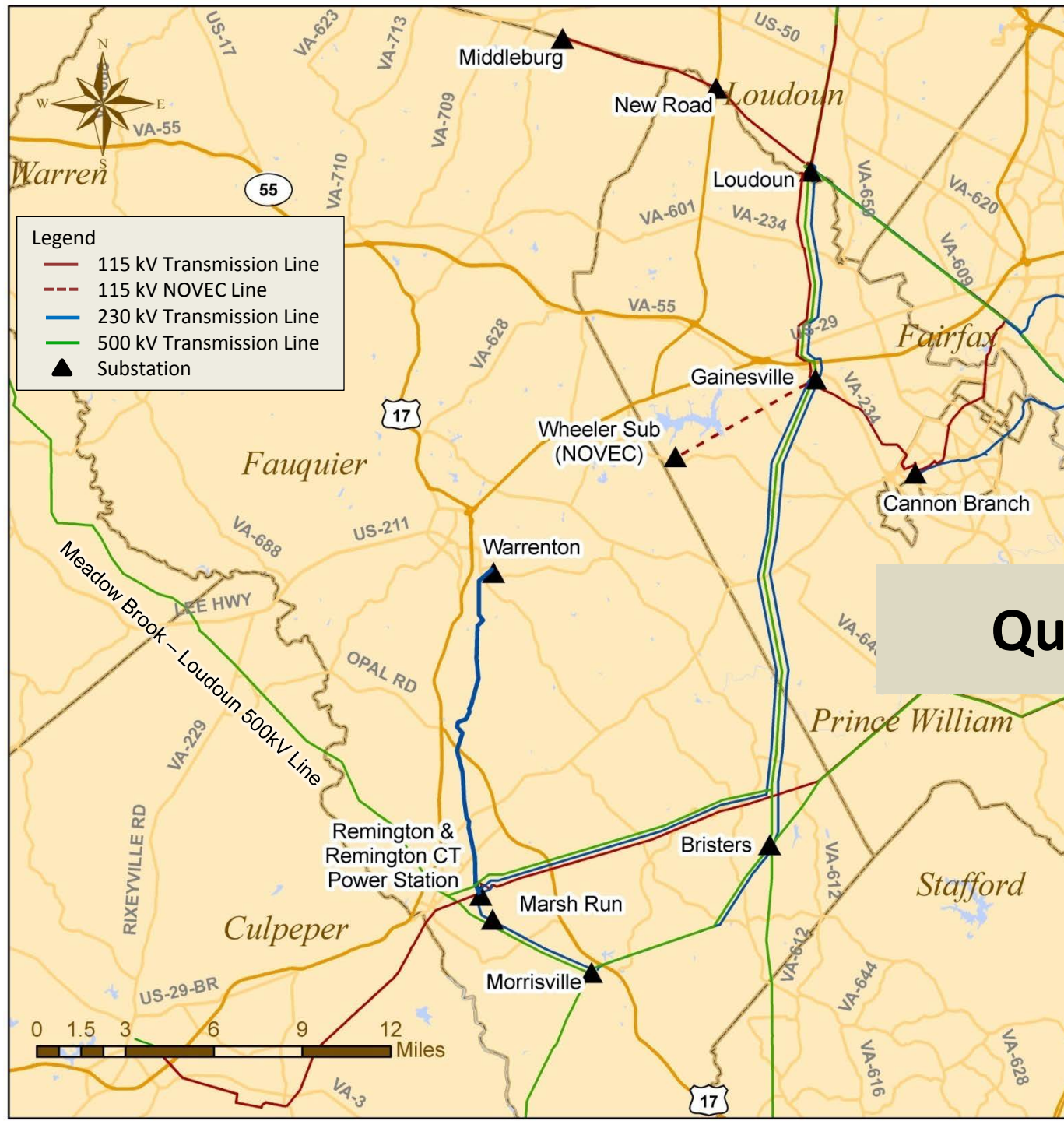
Community Advisory Group

Visit the **Community Involvement** section below for a complete listing of activities and updates.

Next Meeting:

Thursday, April 25, 2013
1:30 p.m.

Check back for confirmed location!



Questions?