



Strategic Underground Program

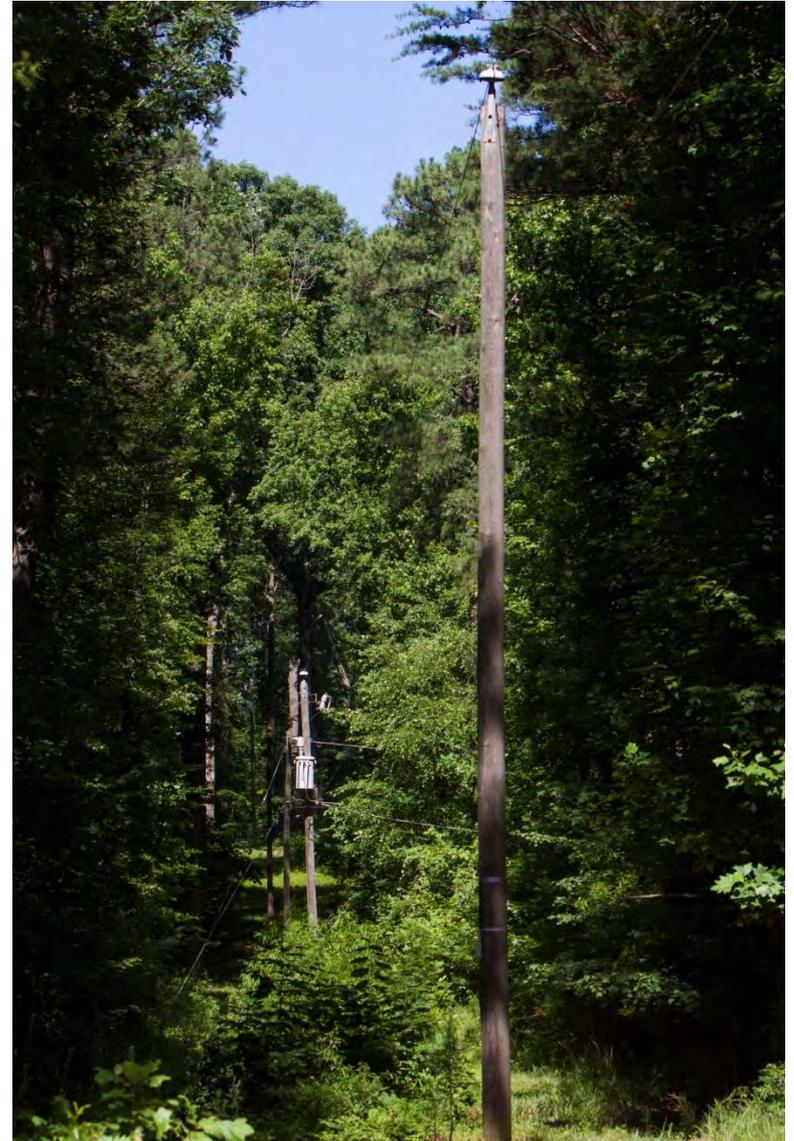
Alan Bradshaw, Director Electric Distribution Underground



Dominion[®]

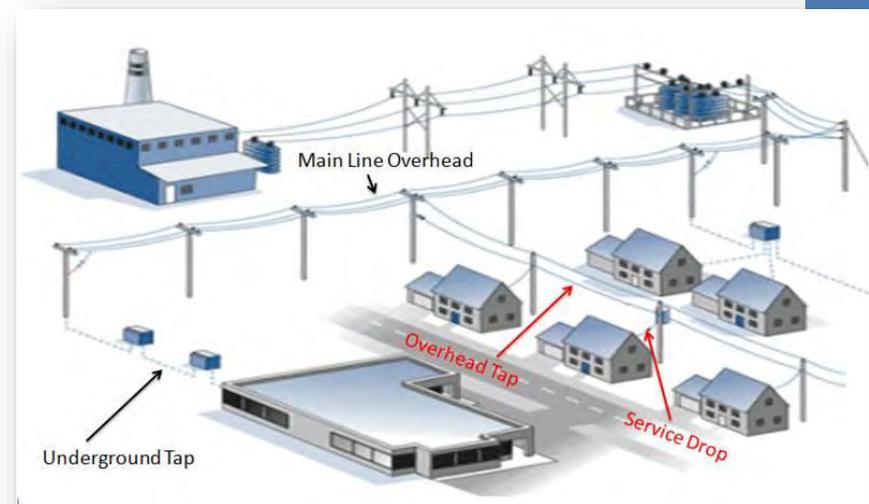
Background

- 58,000 miles of distribution lines
- About one-third underground now
- Over half of the overhead system consists of tap lines
- Prohibitively expensive to put the entire distribution system underground



A New Approach to Undergrounding

- Reliability initiative aimed at reducing the duration of storm restorations
- Reduce repair locations by undergrounding the most outage-prone tap lines
- Legislation enacted July 1, 2014 authorizes spending and revenue recovery
- SCC will review project selection, cost prudence, and results



System-Wide Program in Virginia

- Gloucester/Northern Neck ~ 410 miles
 - Northern Virginia ~ 1,010 miles
 - Richmond Metro/Tri-Cities ~ 1,020 miles
 - Shenandoah Valley/W. Piedmont ~ 590 miles
 - Southeastern Virginia ~ 600 miles
 - Southside Virginia ~ 370 miles
- Total** ~ 4,000 miles

Hanover Projects

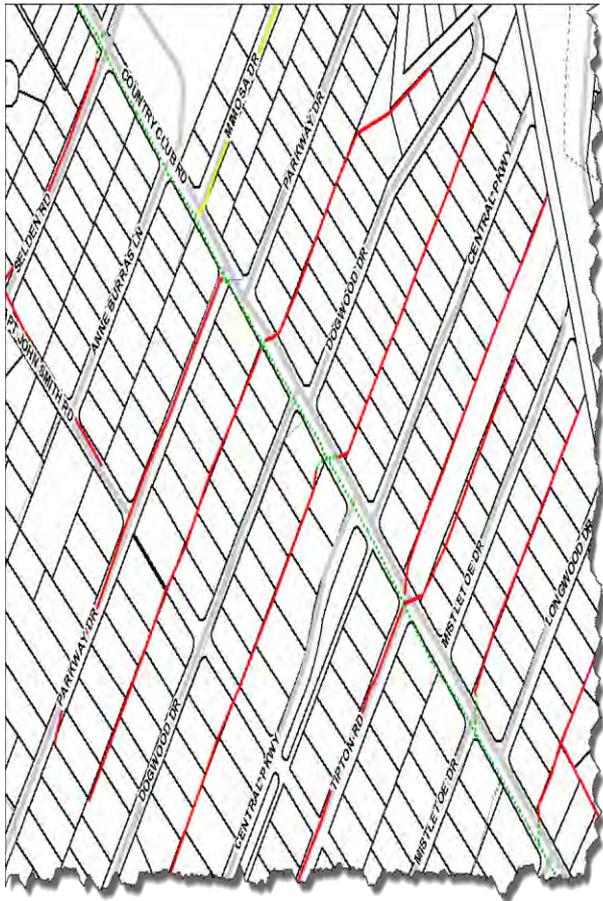
- ❑ Over 175 miles of candidate overhead lines
- ❑ 11 miles (39 projects) completed to date

- ❑ Active projects in Avondale and Robin Ridge subdivisions

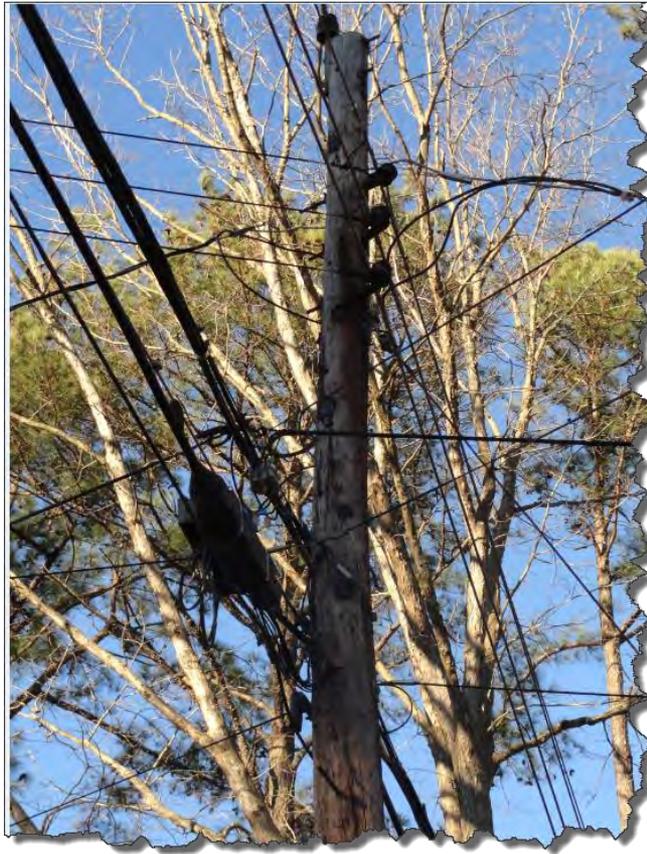


A Complex Project

Easements



Telephone & Cable



Meter Bases



Initial Implementation Plan

2014

- Developed processes and communications
- Completed 300 projects

50 miles

2015

- Continue Program ramp up
- Complete 700 - 800 projects

150 - 200 miles

2016

- Calibrate based on results and SCC rulings
- Set foundation for full implementation in 2017 / 2018

200 - 250 miles

Key Messages

- ❑ Every project benefits our customers by strengthening the system's reliability
- ❑ A fair, data driven process will be used to choose projects
- ❑ We will communicate fully with landowners, work professionally, and respect their property

The screenshot shows the Dominion Virginia Power website. At the top, the Dominion logo and "Dominion Virginia Power" are visible. A navigation bar includes links for Customer Service, Outage Center, Safety, Ways to Save, In the Community, and News. The main content area is titled "Strategic Underground Program" and includes a breadcrumb trail: "Dominion Virginia Power > Customer Service > Strategic Underground Program". Below the title, there is a "Project Update" section with text about the program's continuation and a link to "View frequently asked questions". A "Strategic Underground Program" logo is also present. The "About the Undergrounding Project" section describes the installation of new underground equipment. A list of links includes "View a program brochure", "View a diagram", and "View a list of authorized independent contractors". A photo shows a worker in a yellow safety vest working on a green utility box. A sidebar on the right lists "Customer Service" options like "Manage Account", "Manage Service", "Billing Options", "Payment Options", "Rates and Regulation", and "Smart Meters". At the bottom right, there is a "Project Look-up" section with a photo of two workers and a link to "Check the status of your work request".

Dominion Virginia Power | Dominion Virginia Power

Customer Service | Outage Center | Safety | Ways to Save | In the Community | News

Dominion Virginia Power > Customer Service > Strategic Underground Program

Strategic Underground Program

Dominion's electrical network contains nearly 58,000 miles of "distribution" lines - smaller wires that carry electricity to homes and businesses.

Project Update

This multi-year program will continue to develop with some customer projects already underway.

Legislation enacted in 2014 allows electric utilities to recover costs associated with replacing overhead distribution lines with underground lines. Funding for this program will come from a special rate adjustment called a rider, and must be approved by the State Corporation Commission (SCC).

Strategic Underground Program

About the Undergrounding Project

Dominion will install new underground equipment, replacing approximately 4,000 miles of the most outage prone overhead lines, called tap lines, throughout our Virginia service area.

- [View frequently asked questions.](#)
- [View a program brochure.](#)
- [View a diagram](#) that shows how power lines in your community are arranged.
- [View a list of authorized independent contractors](#) working with Dominion to complete Strategic Underground projects.

Dominion Will Identify the Most Outage-Prone Lines

Using a data-driven process, we will continually analyze 10 years of outage information. We are currently analyzing the overhead distribution system to determine which overhead tap lines throughout our service area sustain the most damage. Tap lines, the overhead wires that go into neighborhoods, typically sustain the most damage during storms and require the highest number of repairs.

Check the status of your work request.

Strategic
Underground
ProgramSM

Questions

Visit our website at
www.dom.com/underground