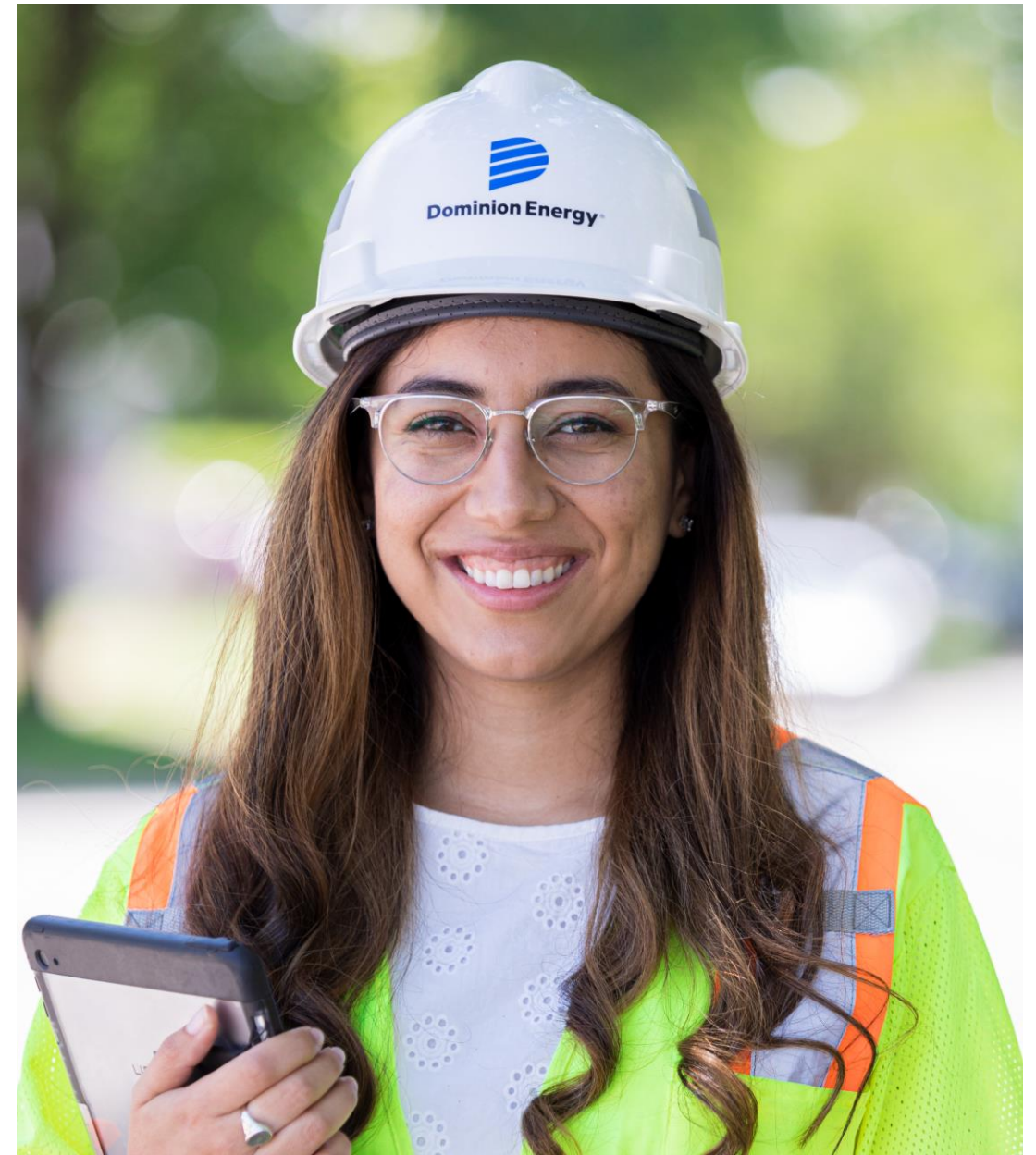


Meeting Virginia's Energy Needs

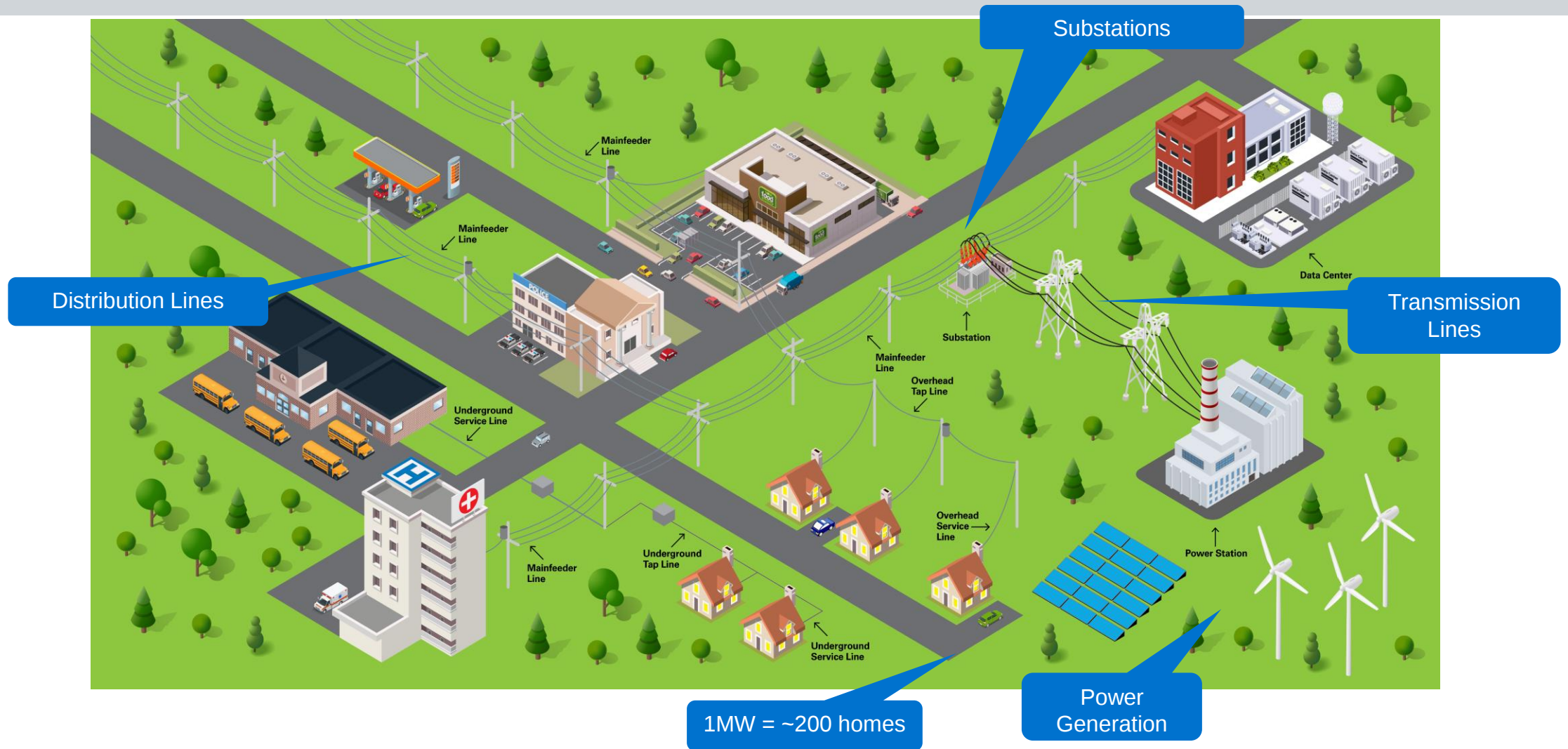


**Dominion
Energy®**

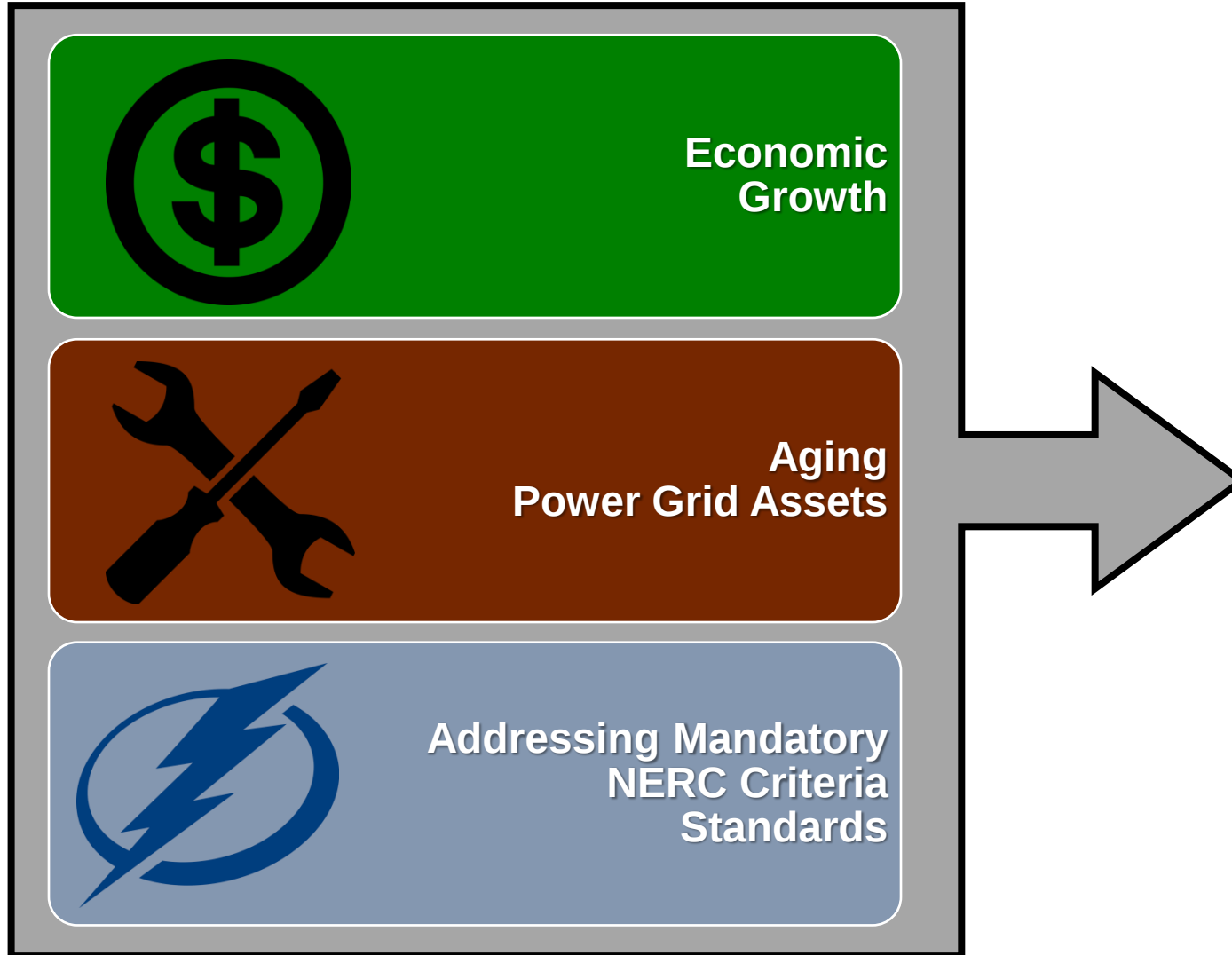
Actions Speak Louder



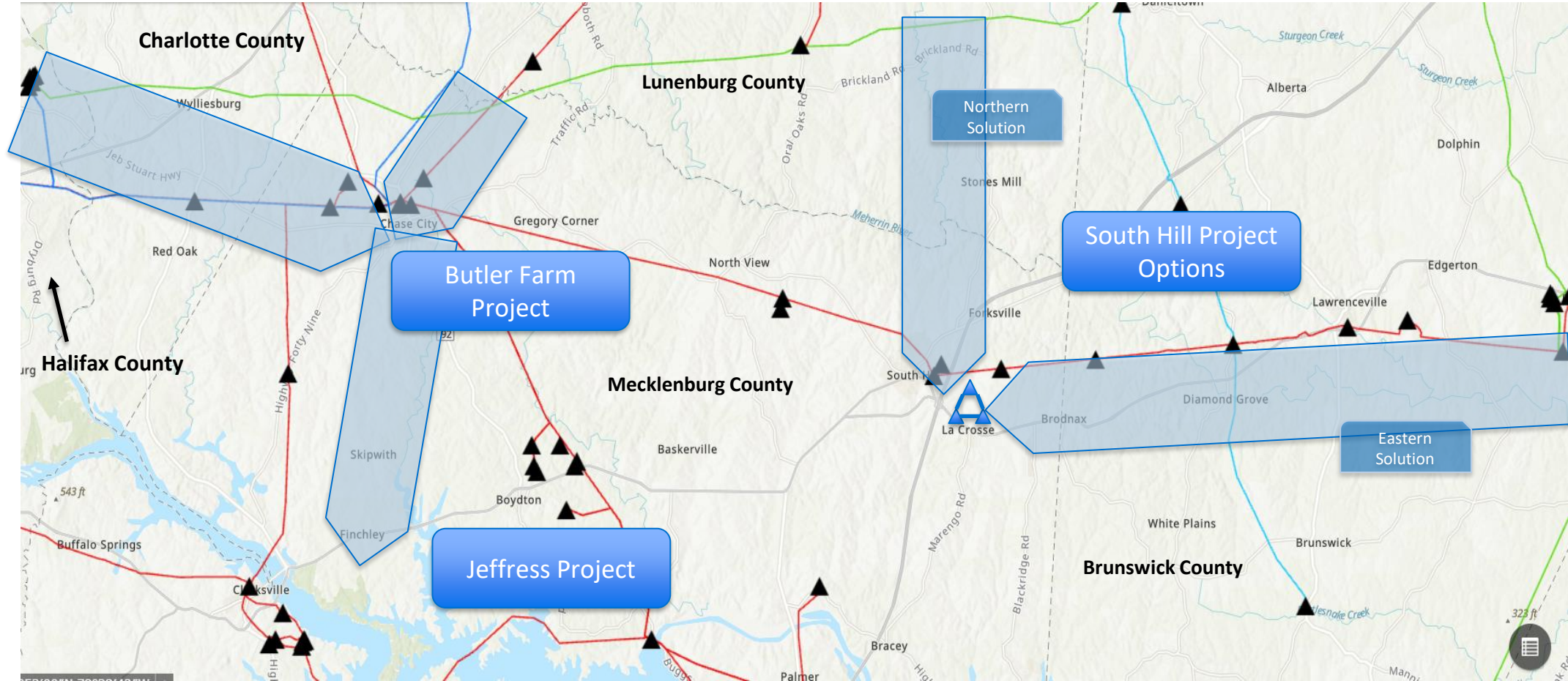
The Grid and Obligation to Serve



Forces Driving Infrastructure Need



Southside Infrastructure Enhancements Overview

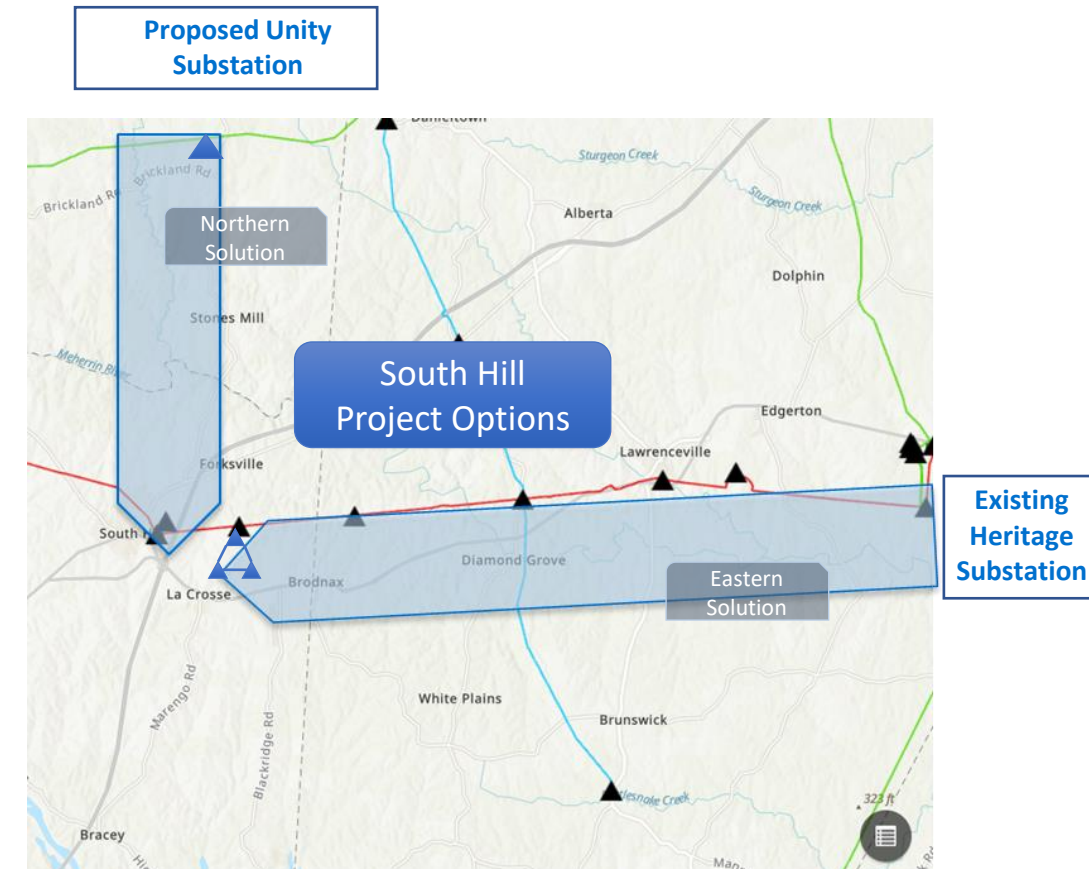


South Hill Project Scope

Brunswick, Lunenburg, and Mecklenburg counties

- **Project Scope**

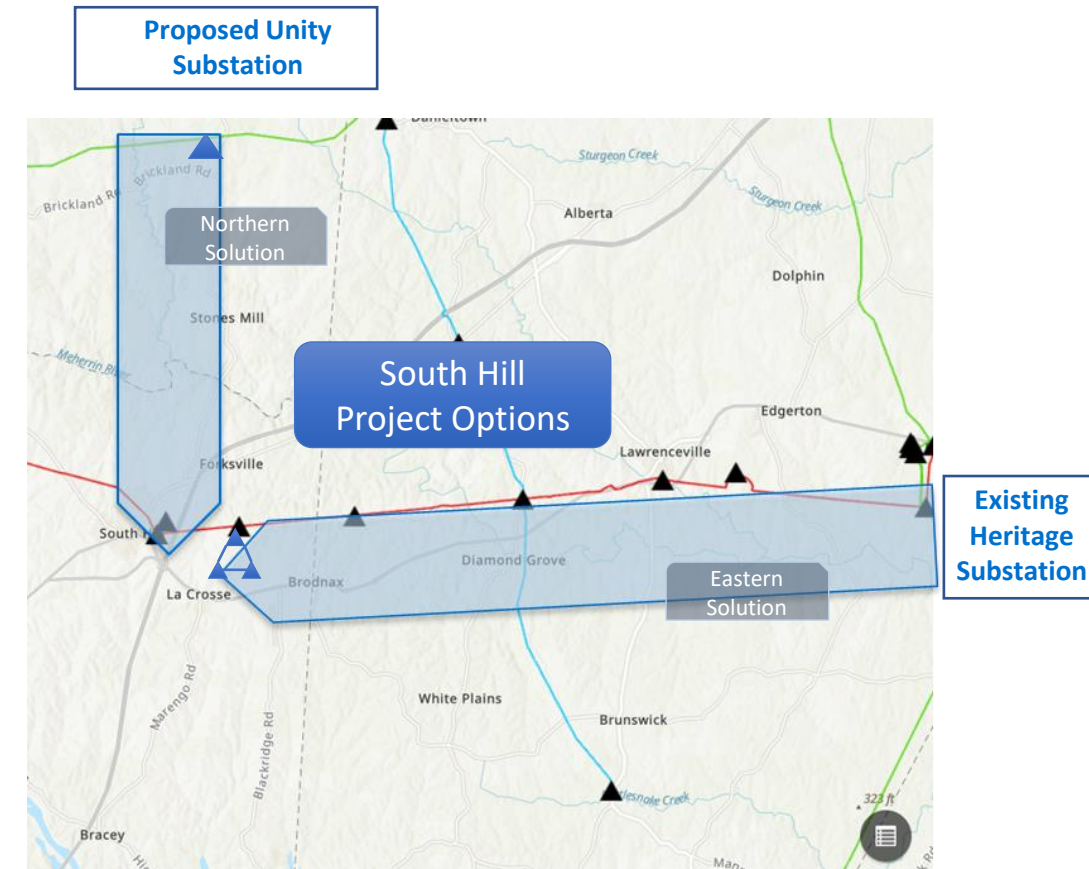
- Build two single-circuit 230 kV transmission lines parallel to one another on shared right of way into the South Hill/La Crosse areas
- Build three substations in South Hill/La Crosse
 - Build a connecting transmission line loop between the three proposed substations
 - Substations located on data center property



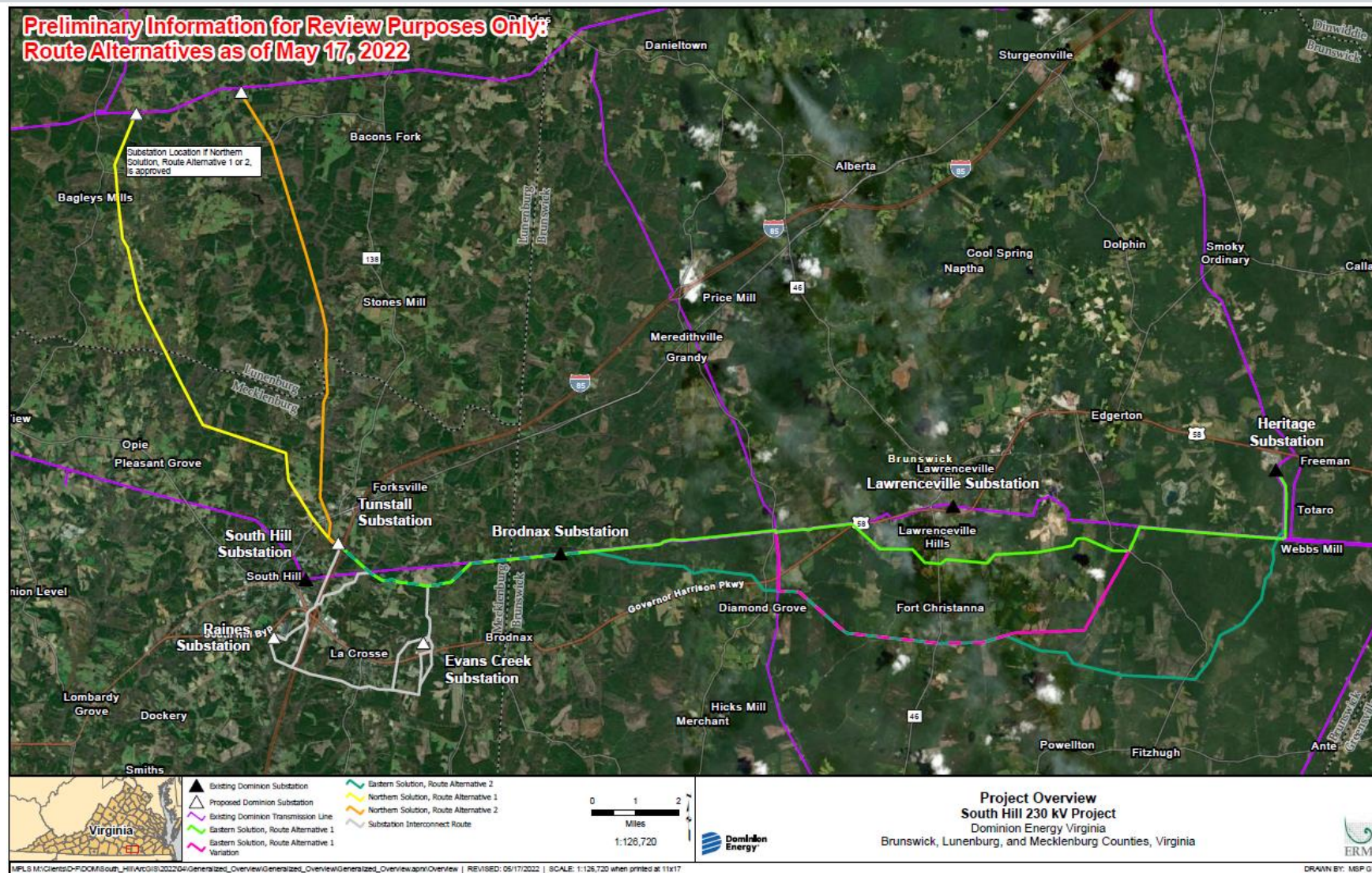
South Hill Project Scope

Brunswick, Lunenburg, and Mecklenburg counties

- **Electrical Options (only building one of these options at this time – multiple routes within each option)**
 - **Eastern Solution:** Expand the existing Heritage Substation (Brunswick County) and construct approximately 25 miles of new transmission line corridor partially co-located with our existing 115 kV right of way
 - **Northern Solution:** Build a new substation, Unity Substation, along our existing 500 kV line (Lunenburg County) and construct approximately 10 miles of new right of way
- **Right of way needs**
 - ~120 feet wide



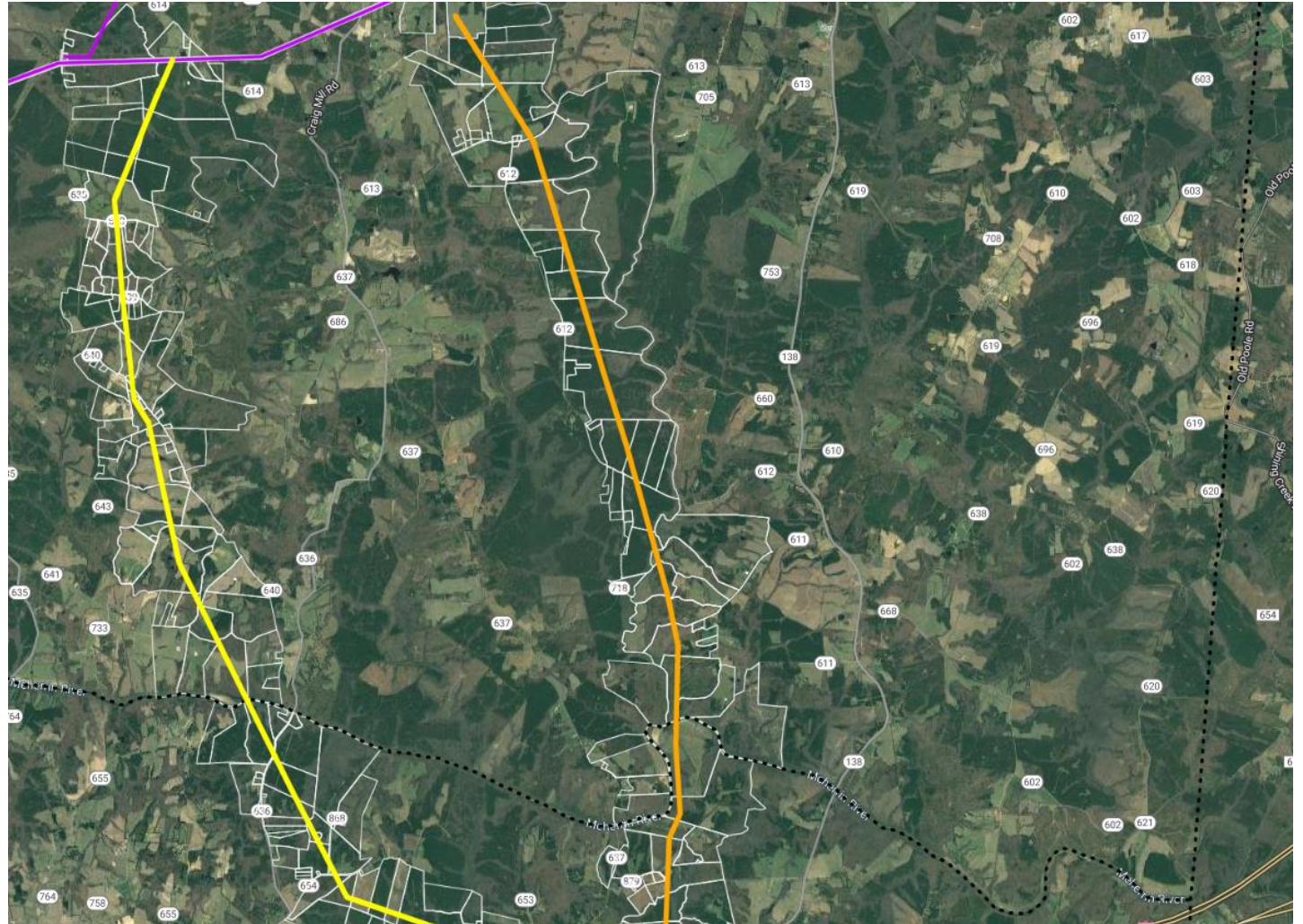
Route Options



Northern Solution

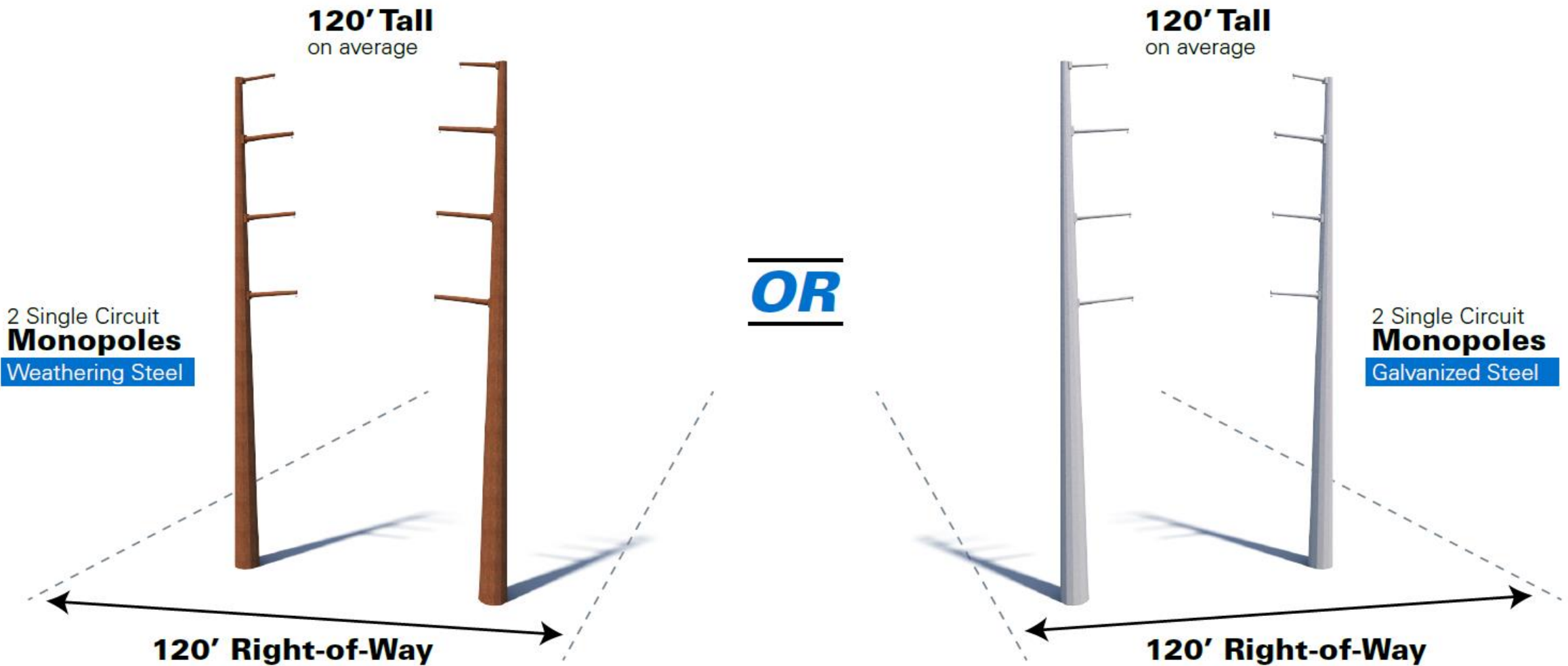
The Northern Solution involves two route options in Lunenburg County:

- Yellow route – Route Alternative 1, approximately 12.3 miles
- Orange Route – Route Alternative 2, approximately 11.0 miles



South Hill Typical Structures

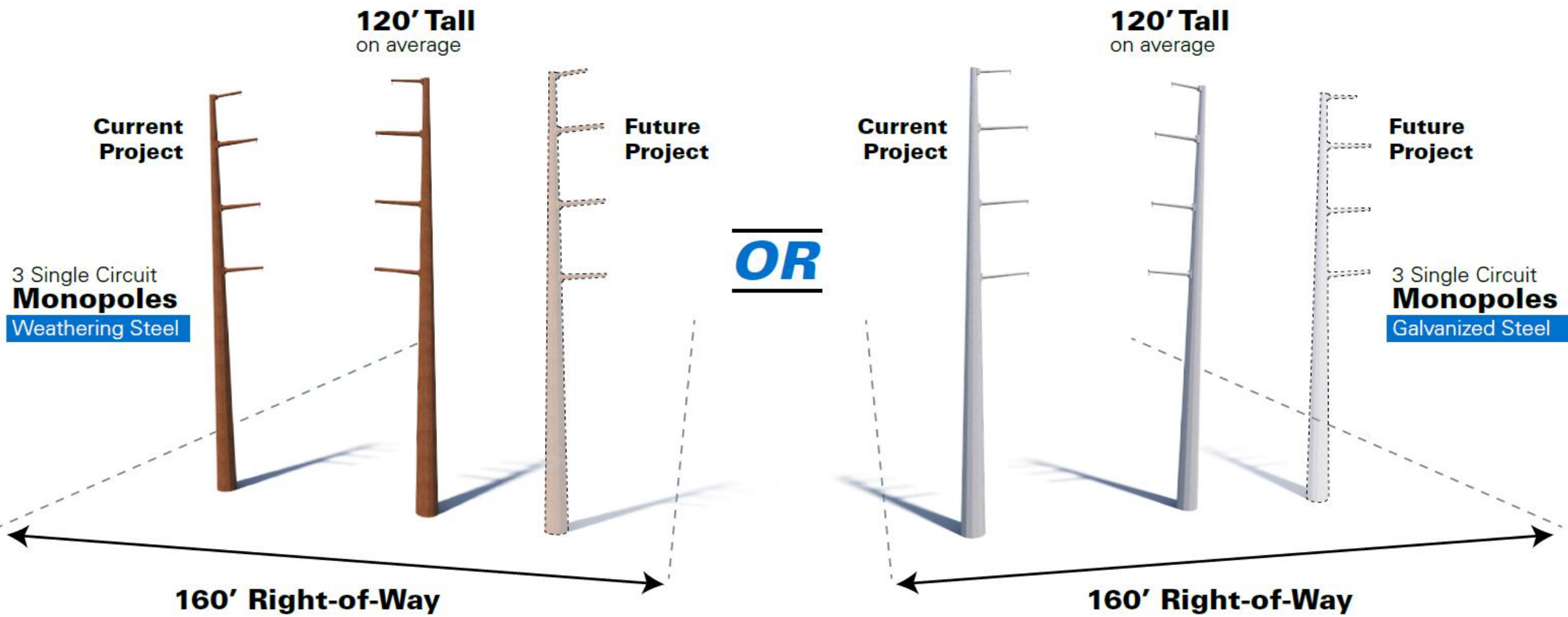
Eastern and Northern Solution



Visualization is for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

South Hill Typical Structures

Substation Interconnects - Eastern and Northern Solution



Visualization is for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.

Routing Considerations

Foundational Principles

- Process always begins with review of existing rights of way
- Respect the land use of the property owners
- Co-locate with other infrastructure, where appropriate
- Stay close to property boundaries
- Minimize impact on private property, and environmental, historic, cultural and scenic resources





South Hill

Transmission Line Project

Aerial Rendering 1

Northern Solution

Typical Structure:

120' - 2 Single Circuit
Monopoles

Right-of-Way Width:

120 Feet

Structure Material:

Weathering Steel

Viewing Direction:

Southeast

Visualization is for discussion purposes only.
Final design is subject to change pending public,
engineering, and regulatory review.





Existing Conditions



Proposed Conditions

South Hill

Transmission Line Project

Aerial Rendering 2

Eastern Solution

Typical Structure:

120' - 2 Single Circuit
Monopoles

Right-of-Way Width:

120 Feet

Structure Material:

Weathering Steel

Viewing Direction:

Northeast

Visualization is for discussion purposes only.
Final design is subject to change pending public,
engineering, and regulatory review.





Existing Conditions



Proposed Conditions

South Hill

Transmission Line Project

Ground Rendering

Eastern & Northern Solution

Typical Structure:

120' - 2 Single Circuit
Monopoles

Right-of-Way Width:

120 Feet

Structure Material:

Weathering Steel

Viewing Direction:

West

Visualization is for discussion purposes only.
Final design is subject to change pending public,
engineering, and regulatory review.





Existing Conditions



Proposed Conditions

South Hill

Transmission Line Project

Aerial Rendering 3

Substation Interconnects Solution

Typical Structure:

120' - 3 Single Circuit
Monopoles

Right-of-Way Width:

160 Feet

Structure Material:

Weathering Steel

Viewing Direction:

East

Visualization is for discussion purposes only.
Final design is subject to change pending public,
engineering, and regulatory review.

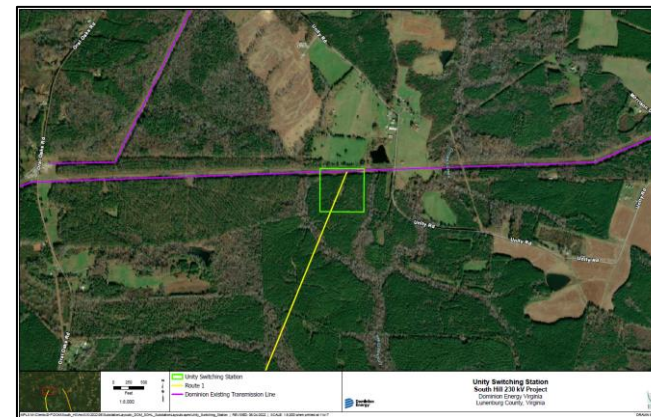


Unity Substation

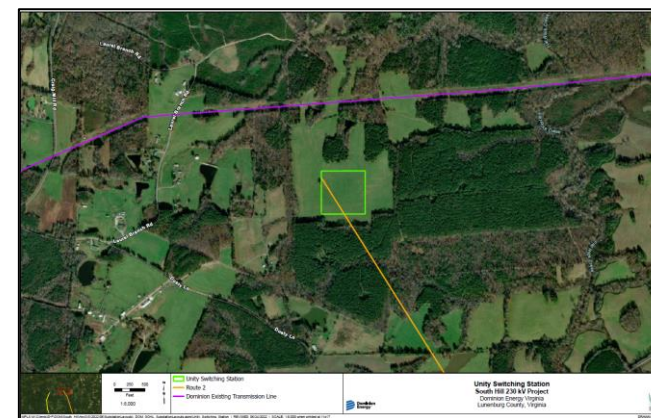
The Northern Solution requires building a new 500/230 kV substation in Lunenburg County.



This is a generic visualization of a 500/230 kV substation and is not project specific.



Approximate Unity Substation location if the Northern Solution, Route Alternative 1 (yellow route) is selected.



Approximate Unity Substation location if the Northern Solution, Route Alternative 2 (orange route) is selected.

Community Meetings



Three in-person Community Meetings held in June 2022. Public was able to review routing options and speak with subject matter experts

- June 1 – Brunswick County
~26 attendees
- June 6 – Mecklenburg County
~79 attendees
- June 7 – Lunenburg County
~30 attendees

COMMUNITY MEETINGS

Wednesday, June 1, 2022 • 5–7 p.m.

Brunswick County Conference Center
100 Athletic Field Road — Lawrenceville, VA 23868
(20-minute presentation begins at 5 p.m.)

Monday, June 6, 2022 • 5–7 p.m.

The Colonial Center for Performing Arts
220 South Mecklenburg Avenue — South Hill, VA 23970
(20-minute presentation begins at 5 p.m.)

Tuesday, June 7, 2022 • 5–7 p.m.

Breezy Knoll Farm
4986 Craig Mill Road — South Hill, VA 23970
(20-minute presentation begins at 5 p.m.)

Common Themes:

- Solar, Broadband, Electromagnetic Field (EMF),
Real Estate, Aesthetics, Work-Related Noise,
Disapproval of Data Centers, NIMBY



Upcoming Community Meeting



- Another in-person Community Meeting in July 2022 once public input is received and incorporated into project planning:
 - ✓ Photo simulations
 - ✓ Updated routes
- For questions throughout the project, email powerline@dominionenergy.com or call **888-291-0190**
- For more information and to access GeoVoice, please visit: DominionEnergy.com/southhill
 - ✓ Structure renderings
 - ✓ Aerial renderings
 - ✓ Presentation recordings/Q&A sessions from June meetings

COMMUNITY MEETING

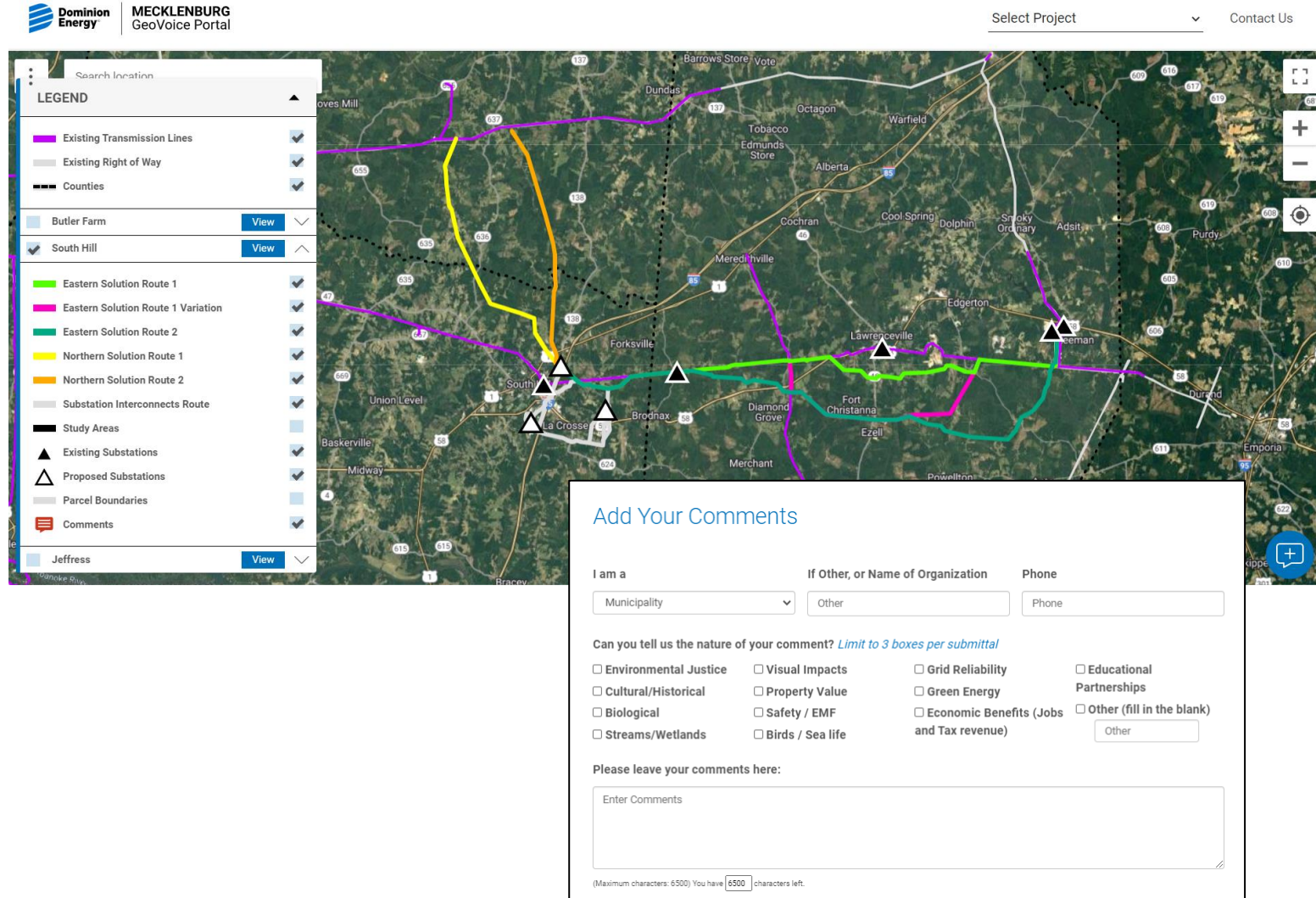
Wednesday • July 20, 2022 • 5 p.m. – 7 p.m.

(drop by anytime during these hours)

The Dogwood Event Venue
313 Franklin Street A • South Hill, VA 23970

DominionEnergy.com/southhill

- Review the study areas
- Interactive mapping tool
- Evolves as routing options become available and are refined
- Add comments, provide input or share insight on the location of important personal concerns or natural and historical resources
- Track project development and receive updates



MECKLENBURG GeoVoice Portal

Select Project ▼ Contact Us

Search Location

LEGEND

- Existing Transmission Lines
- Existing Right of Way
- Counties
- Butler Farm View
- South Hill View
- Eastern Solution Route 1
- Eastern Solution Route 1 Variation
- Eastern Solution Route 2
- Northern Solution Route 1
- Northern Solution Route 2
- Substation Interconnects Route
- Study Areas
- Existing Substations
- Proposed Substations
- Parcel Boundaries
- Comments
- Jeffress View

Add Your Comments

I am a Municipality ▼ If Other, or Name of Organization Other Phone Phone

Can you tell us the nature of your comment? [Limit to 3 boxes per submittal](#)

☐ Environmental Justice	☐ Visual Impacts	☐ Grid Reliability	☐ Educational Partnerships
☐ Cultural/Historical	☐ Property Value	☐ Green Energy	☐ Other (fill in the blank)
☐ Biological	☐ Safety / EMF	☐ Economic Benefits (Jobs and Tax revenue)	Other
☐ Streams/Wetlands	☐ Birds / Sea life		

Please leave your comments here:

Enter Comments

(Maximum characters: 6500) You have 6500 characters left.

- **Virginia State Corporation Commission (SCC):** Certificate of Public Convenience and Necessity
 - Alternatives Analysis
 - Routing Study
 - Department of Environmental Quality Supplement and coordinated review
- **U.S. Army Corps of Engineers**
- **Other Agency Review**
 - Department of Environmental Quality (DEQ)
 - Virginia Marine Resources Commission (VMRC)
 - Virginia Department of Transportation (VDOT)
- **Local Permitting Requirements**
 - Substations on Data Center property/part of developer's site plans
 - New Finneywood 500 kV/230 kV substation

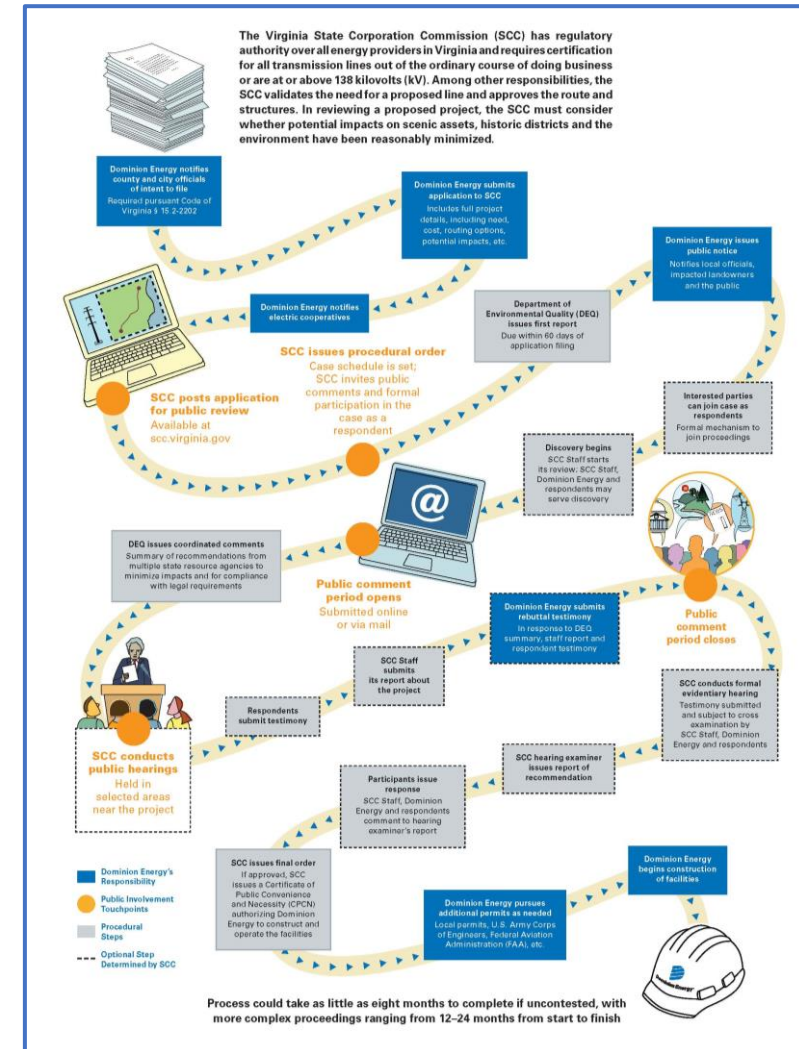
Transmission Line Planning and Public Engagement Process SCC Application

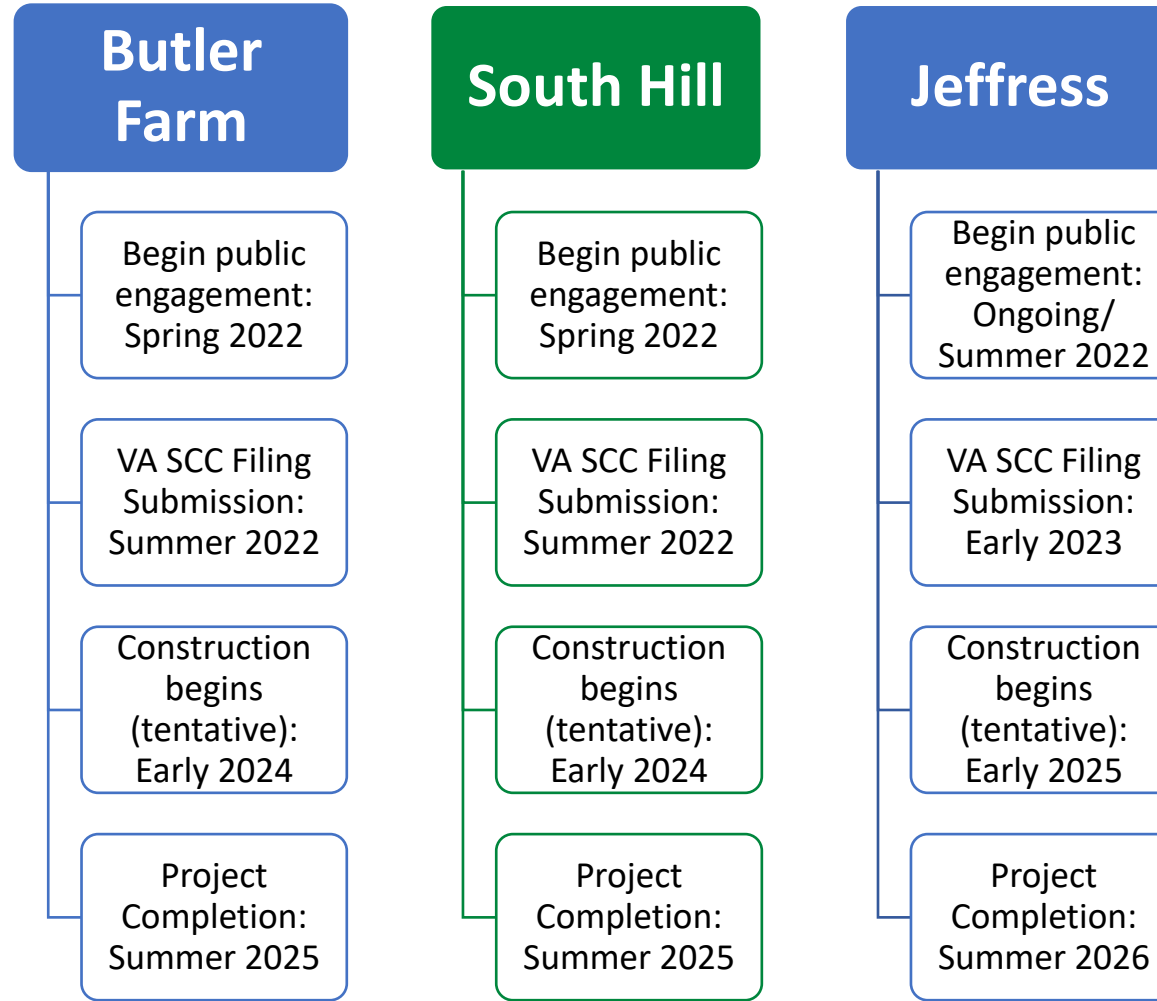


Opportunities for public involvement throughout the process, including public hearings



Process could take as little as eight months to complete if uncontested, with more complex proceedings ranging from 12–24 months from start to finish





Thank You



Our company is built on a proud legacy of public service, innovation and community involvement.

