

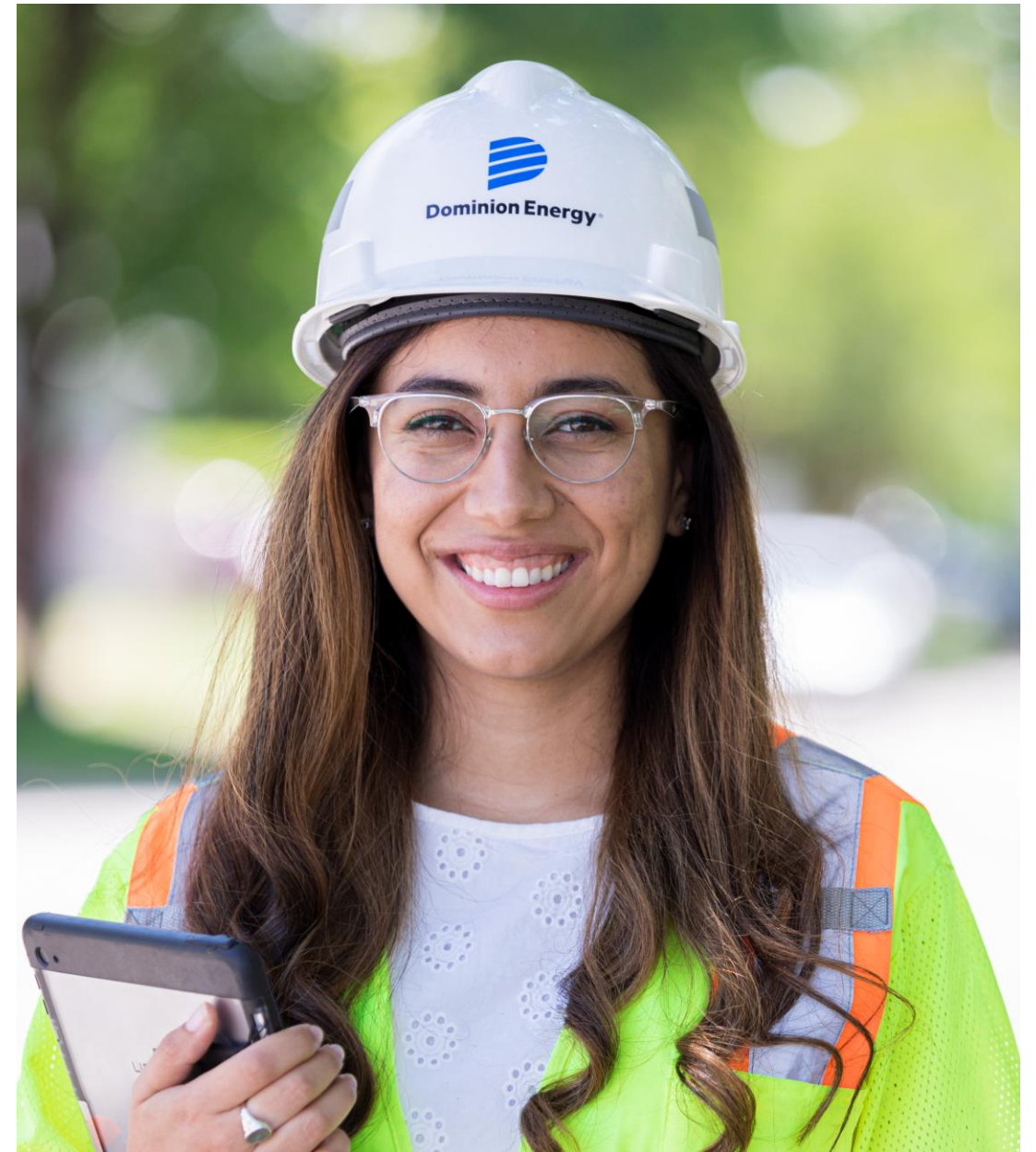
Meeting Virginia's Energy Needs

Fort Christanna Meeting
July 28, 2022

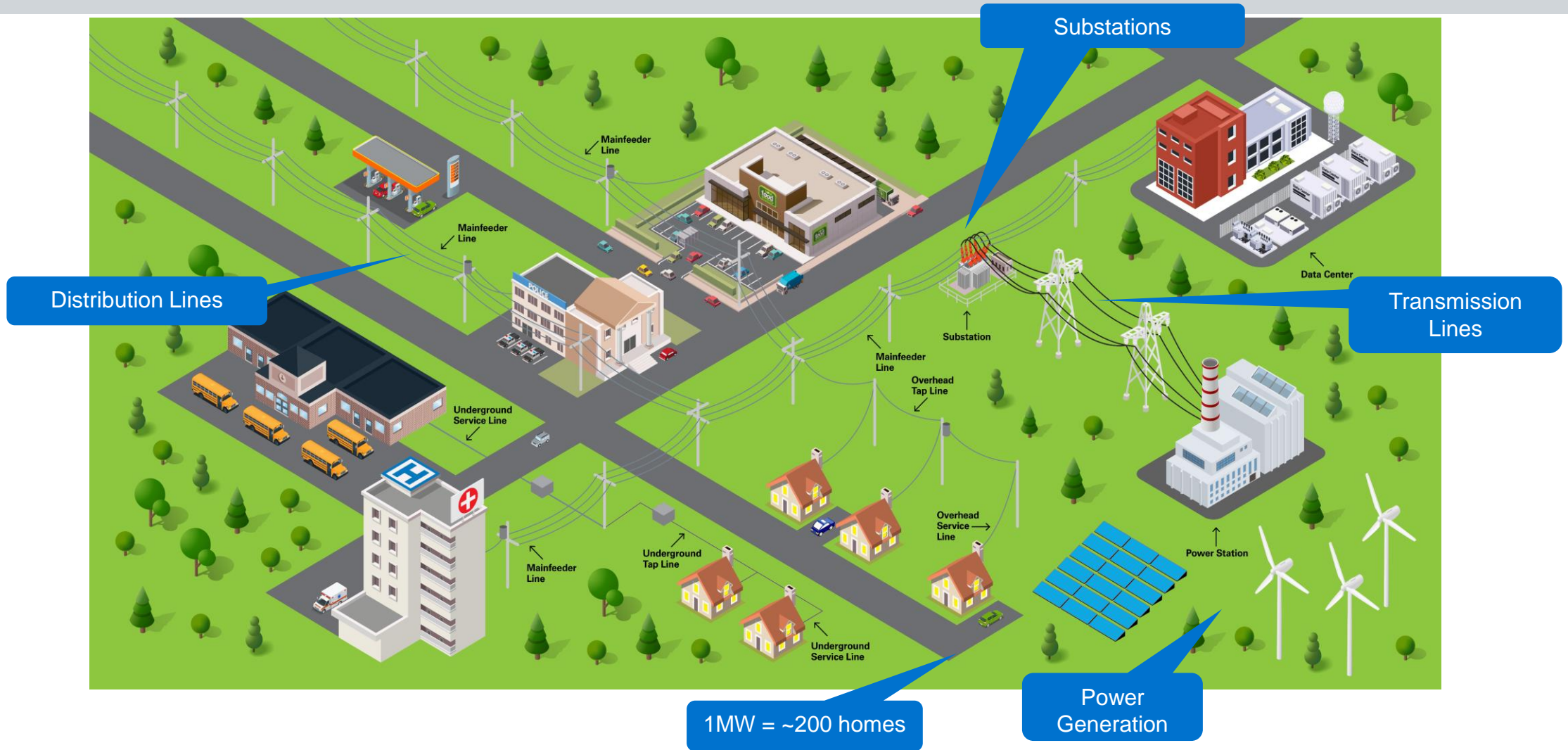


**Dominion
Energy®**

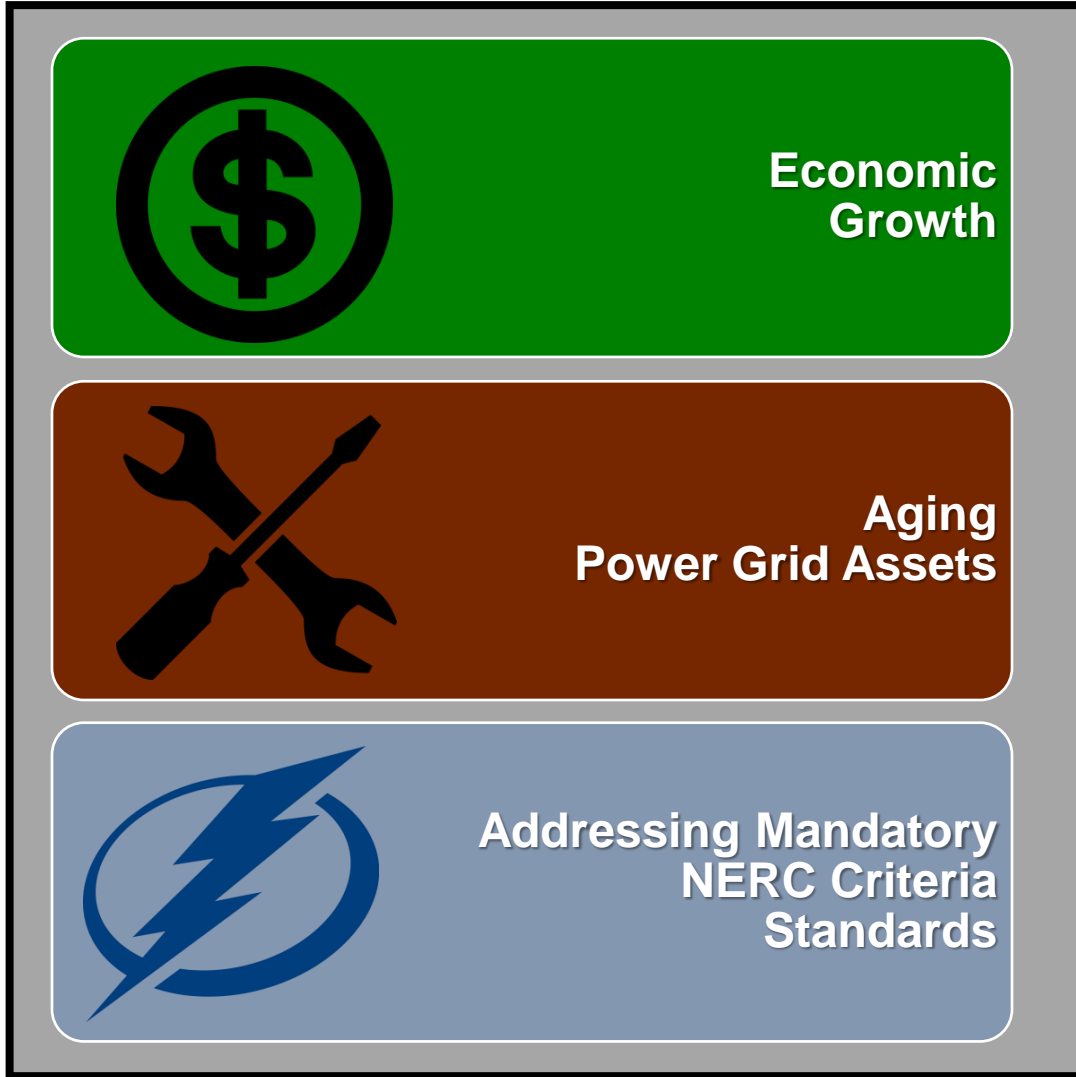
Actions Speak Louder



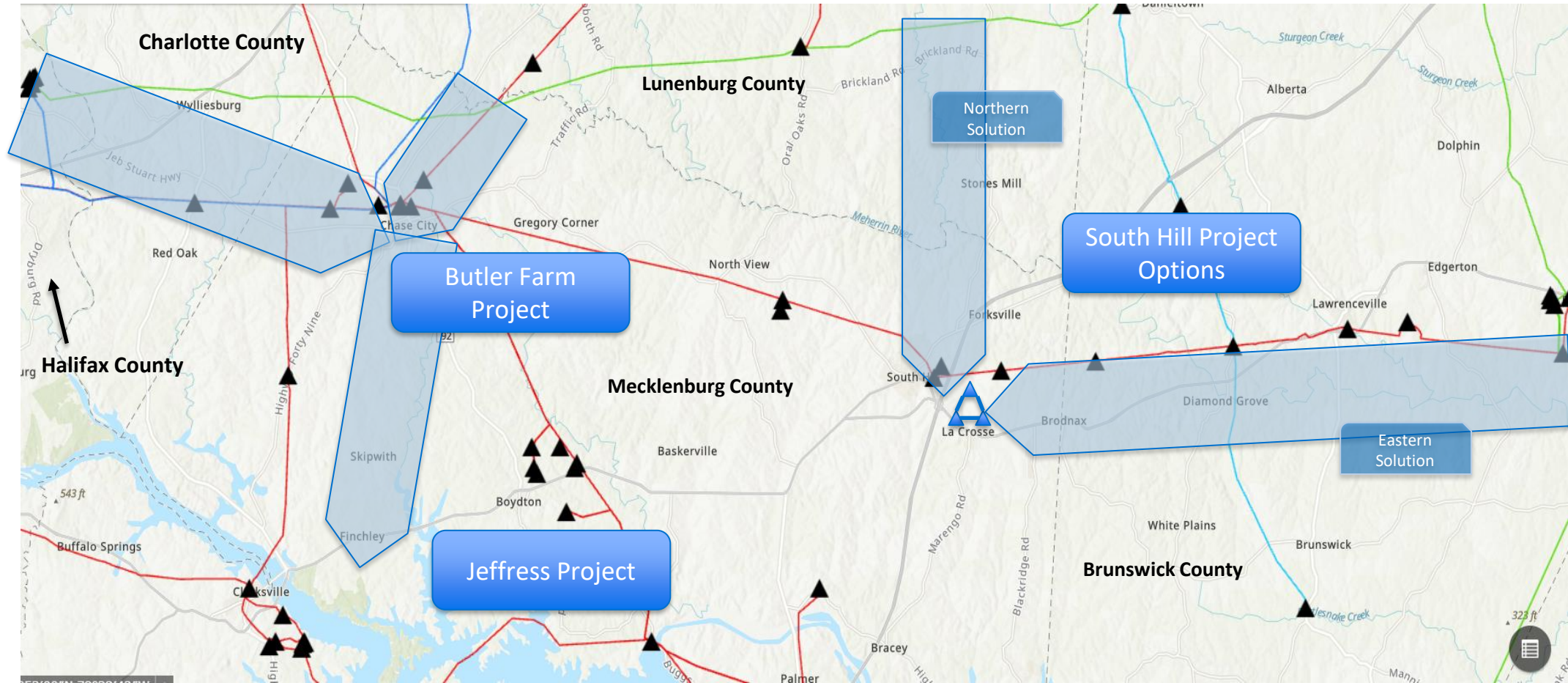
The Grid and Obligation to Serve



Forces Driving Infrastructure Need



Southside Infrastructure Enhancements Overview

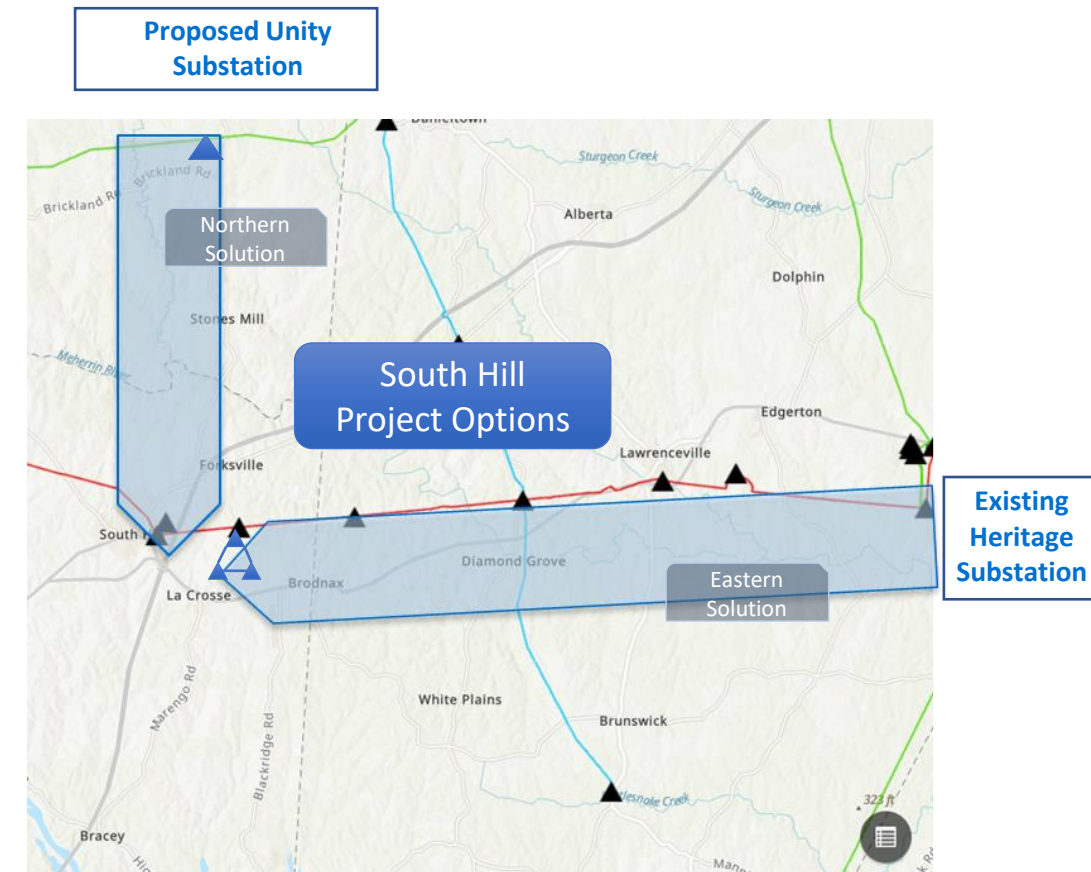


South Hill Project Scope

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



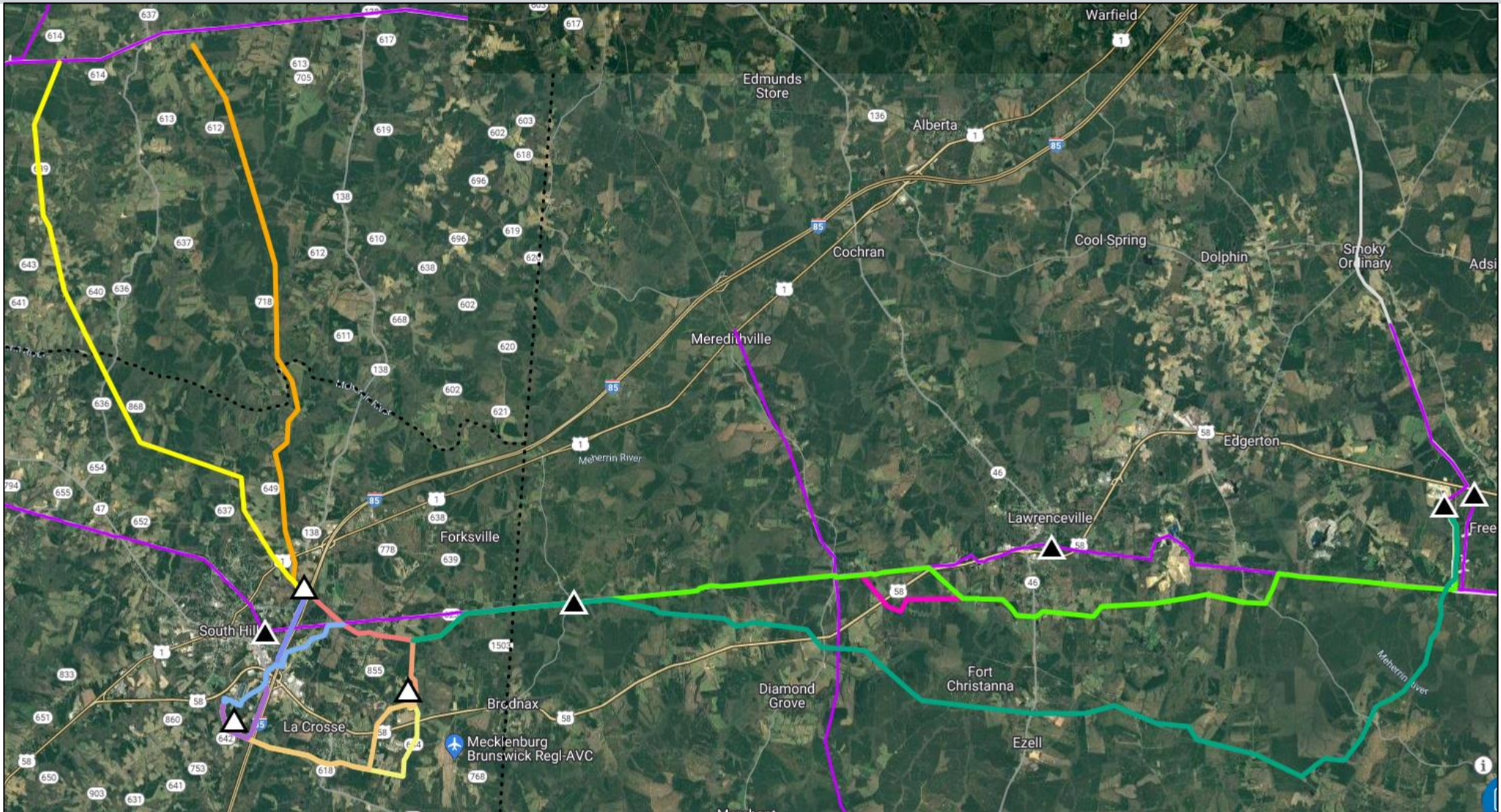
South Hill Project Scope

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

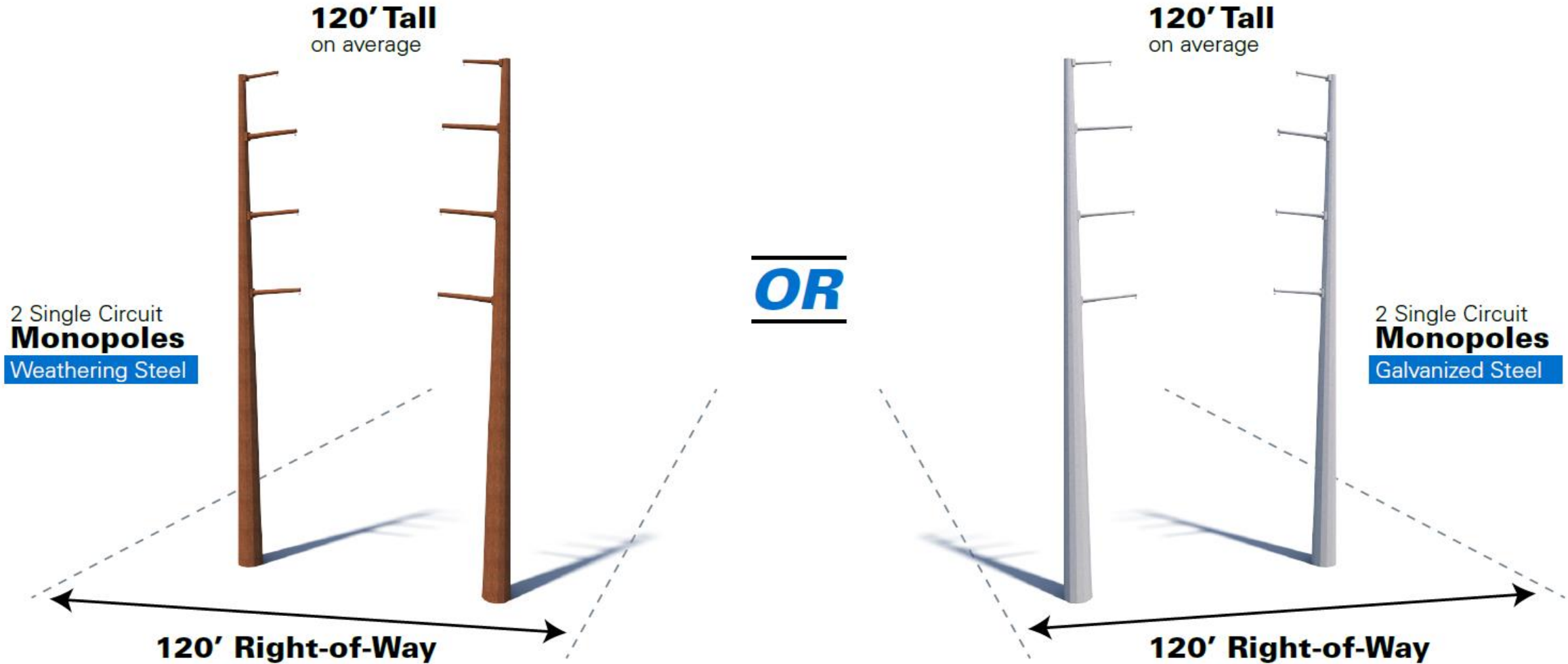


Route Options



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.

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





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

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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

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Tribes with interest in Fort Christanna

- ✓ Haliwa-Saponi Tribe
- ✓ Meherrin Tribe
- ✓ Occaneechi Band of the Saponi Tribe
- ✓ Sappony Tribe

Route Distances to Fort Christanna

- Approximately 0.69 miles to Eastern Solution Route Alternative 1
- Approximately 0.22 miles to Eastern Solution Route Alternative 2



- **Virginia State Corporation Commission (SCC):** Certificate of Public Convenience and Necessity
 - Alternatives Analysis
 - Routing Study
 - Department of Environmental Quality Supplement and coordinated review (such as with Department of Historic Resources)
- **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 Unity 500 kV/230 kV substation

Transmission Line Planning and Public Engagement Process

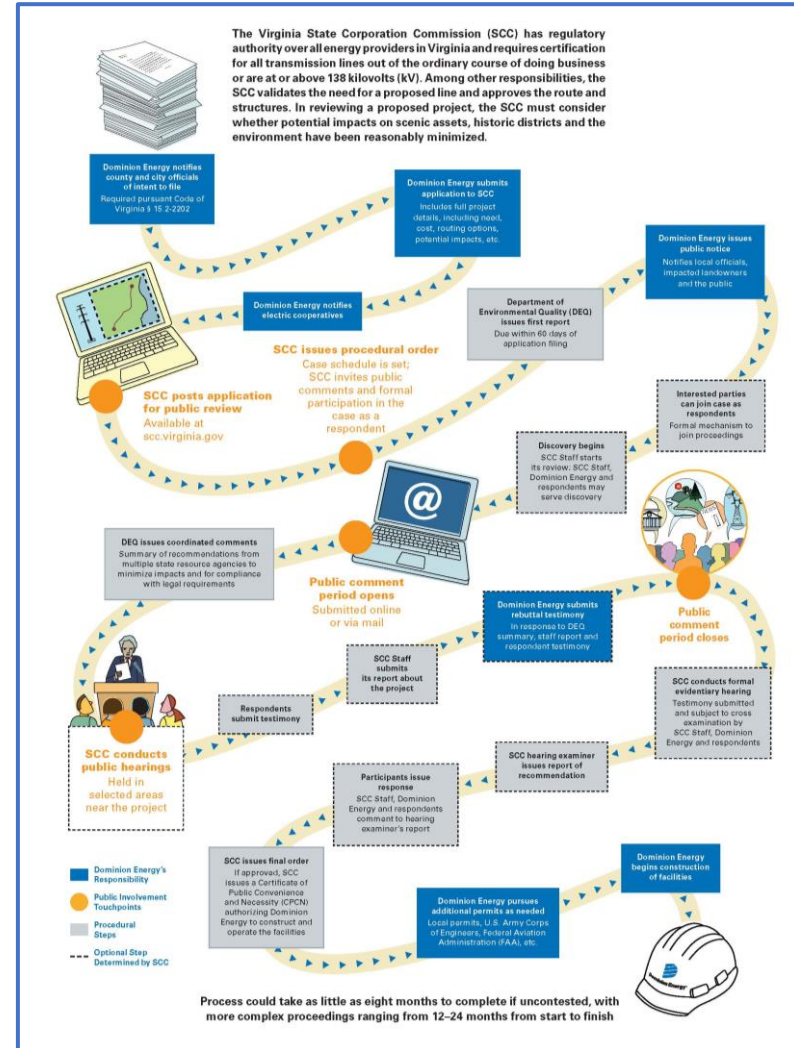
SCC Application

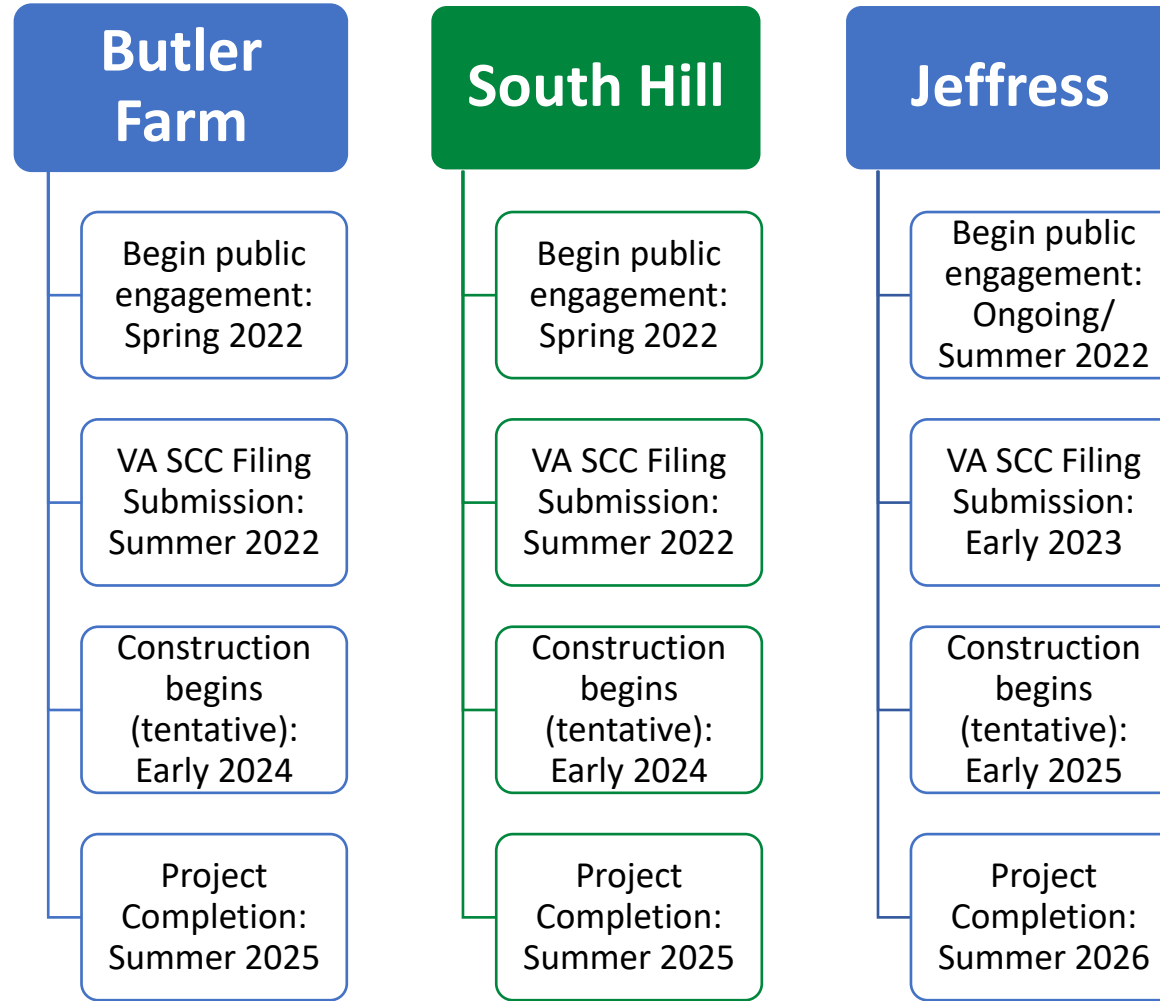


Opportunities for public involvement throughout the process, including public hearings



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





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
- Jeffress 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

Add Your Comments

I am a If Other, or Name of Organization Phone

Can you tell us the nature of your comment? *Limit to 3 boxes per submittal*

<input type="checkbox"/> Environmental Justice	<input type="checkbox"/> Visual Impacts	<input type="checkbox"/> Grid Reliability	<input type="checkbox"/> Educational Partnerships
<input type="checkbox"/> Cultural/Historical	<input type="checkbox"/> Property Value	<input type="checkbox"/> Green Energy	<input type="checkbox"/> Other (fill in the blank)
<input type="checkbox"/> Biological	<input type="checkbox"/> Safety / EMF	<input type="checkbox"/> Economic Benefits (Jobs and Tax revenue)	<input type="text" value="Other"/>
<input type="checkbox"/> Streams/Wetlands	<input type="checkbox"/> Birds / Sea life		

Please leave your comments here:

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

Thank You



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

