Meeting Virginia's Energy Needs

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Actions Speak Louder

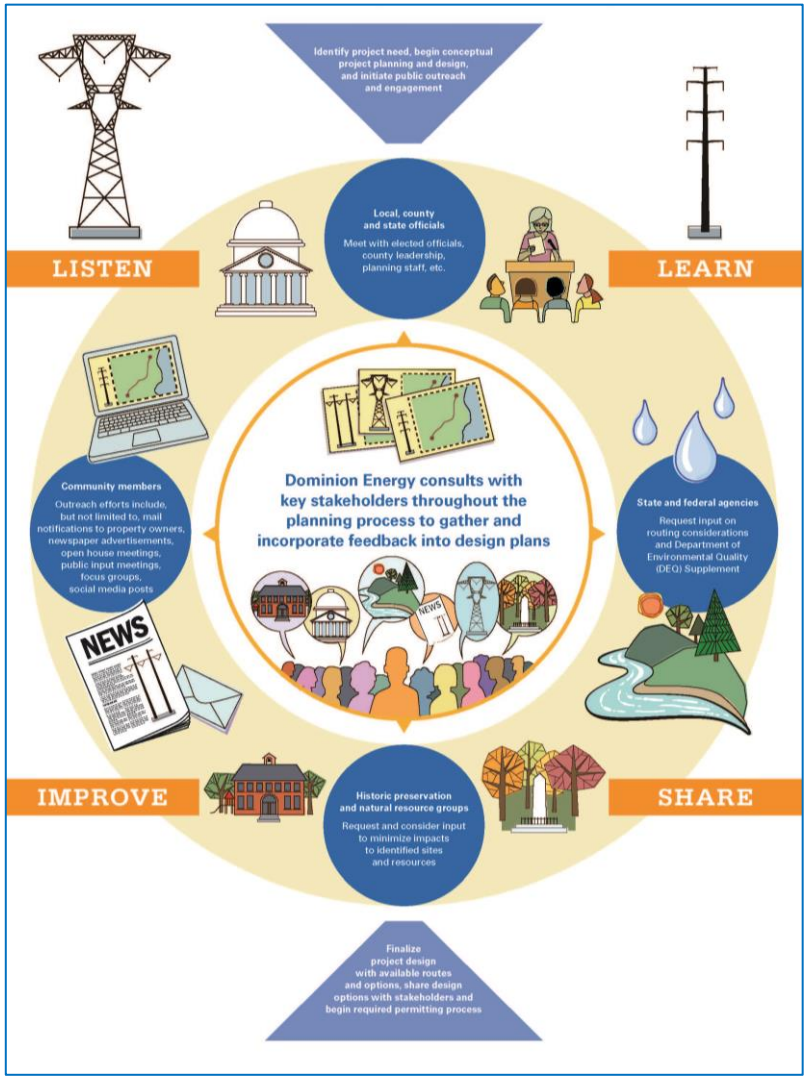
Electric Transmission Line Planning and Approval Process

Relationships

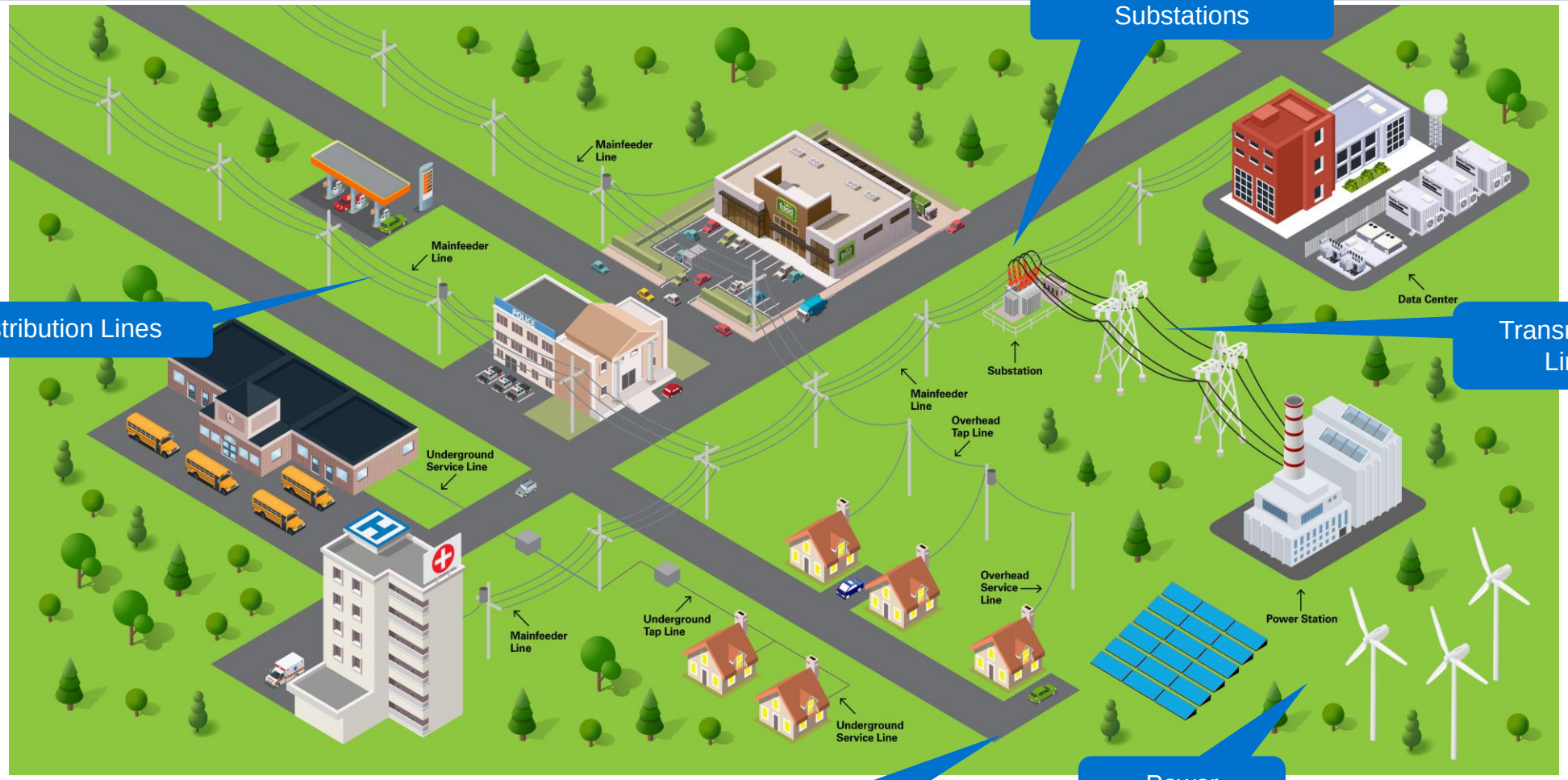
- Value what the community values
- Seek available mutual benefits

Trust

- Discussion, connection and empathy
- Stakeholders' willingness to compromise



The Grid and Obligation to Serve



Forces Driving Infrastructure Need

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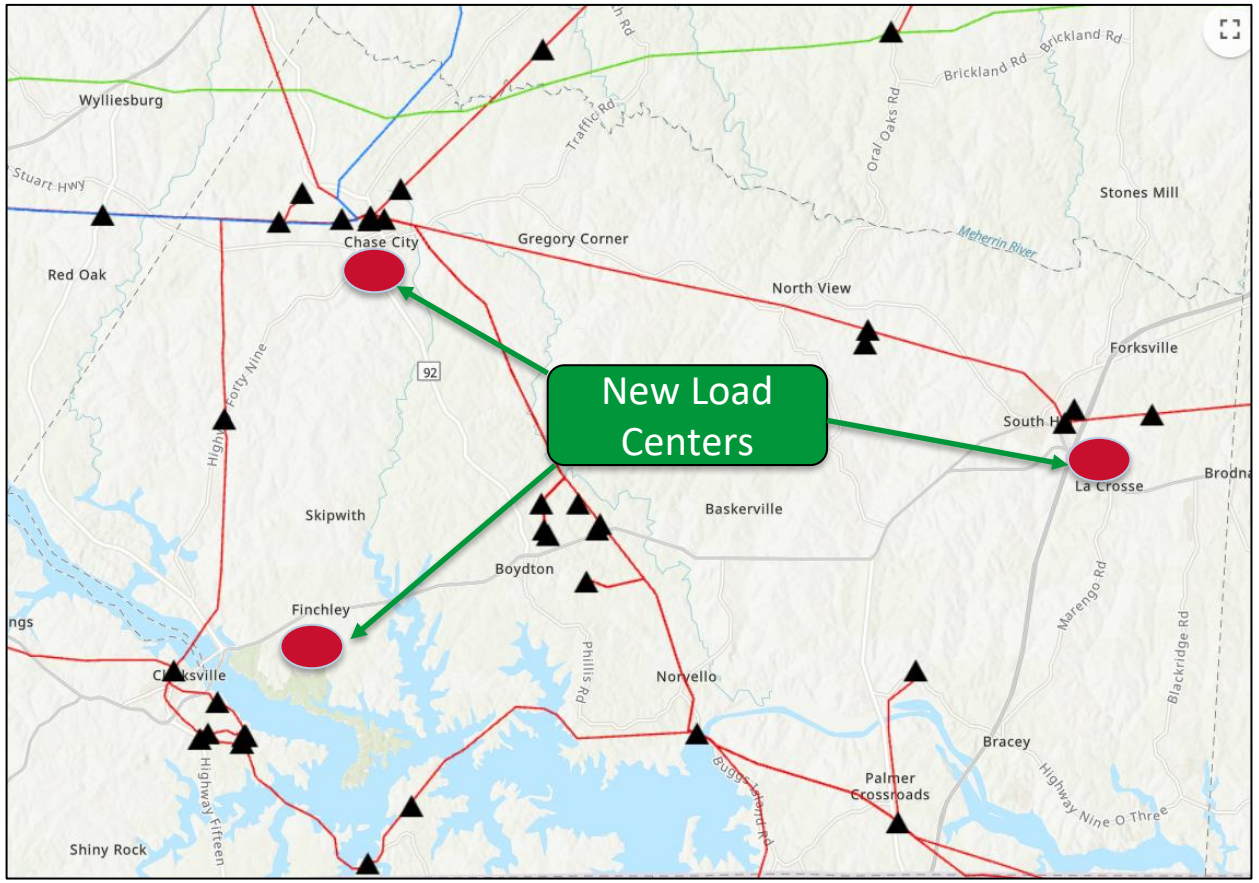
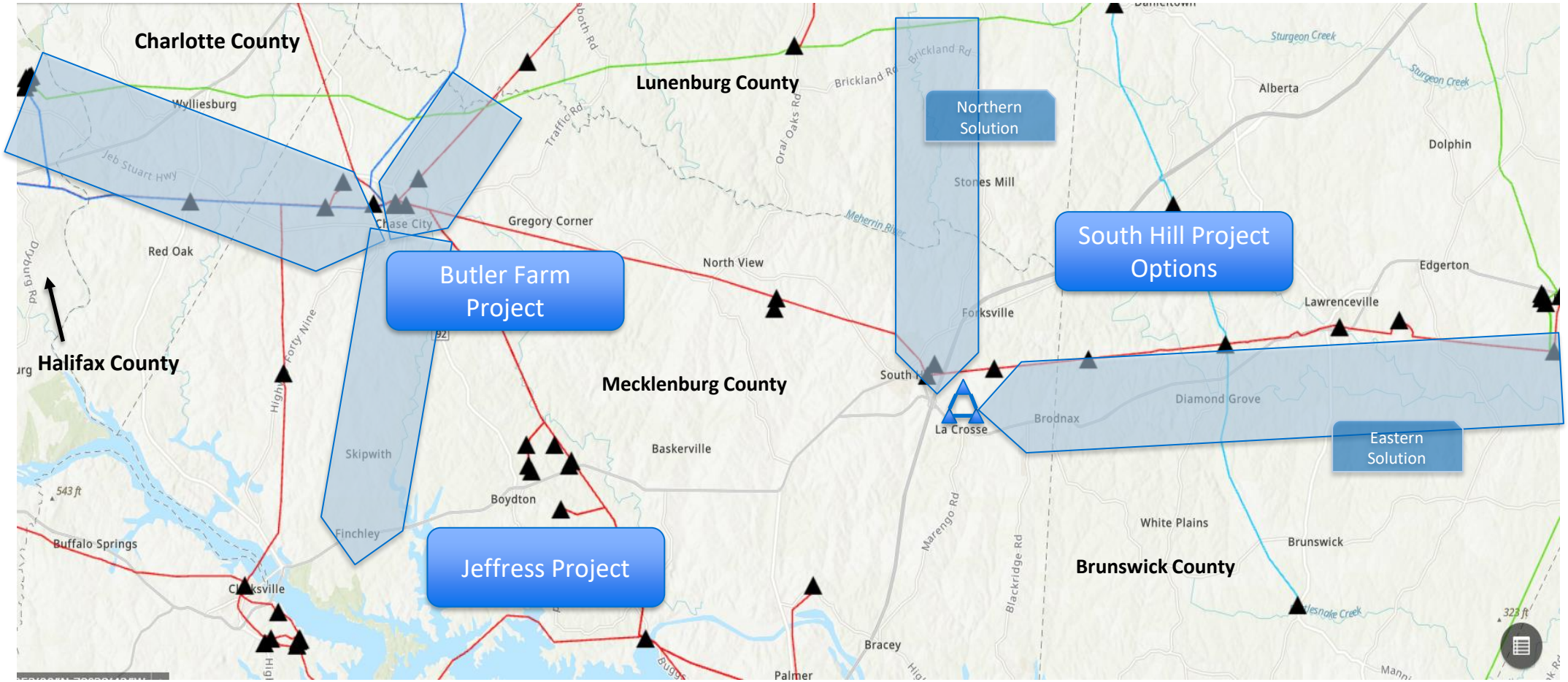
- Economic Growth
- Aging Power Grid Assets
- Addressing Mandatory NERC Criteria Standards

Current System



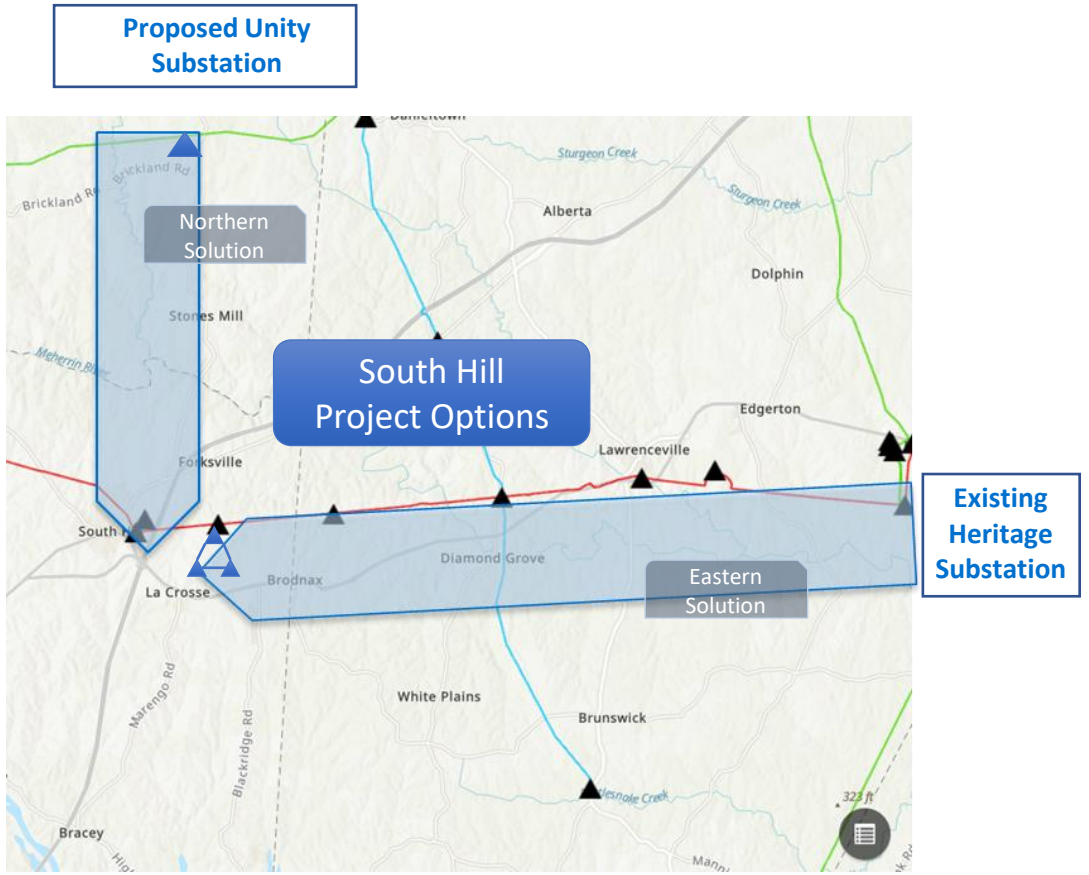
Southside Infrastructure Enhancements Overview



South Hill Project Scope

Brunswick, Lunenburg, and Mecklenburg counties

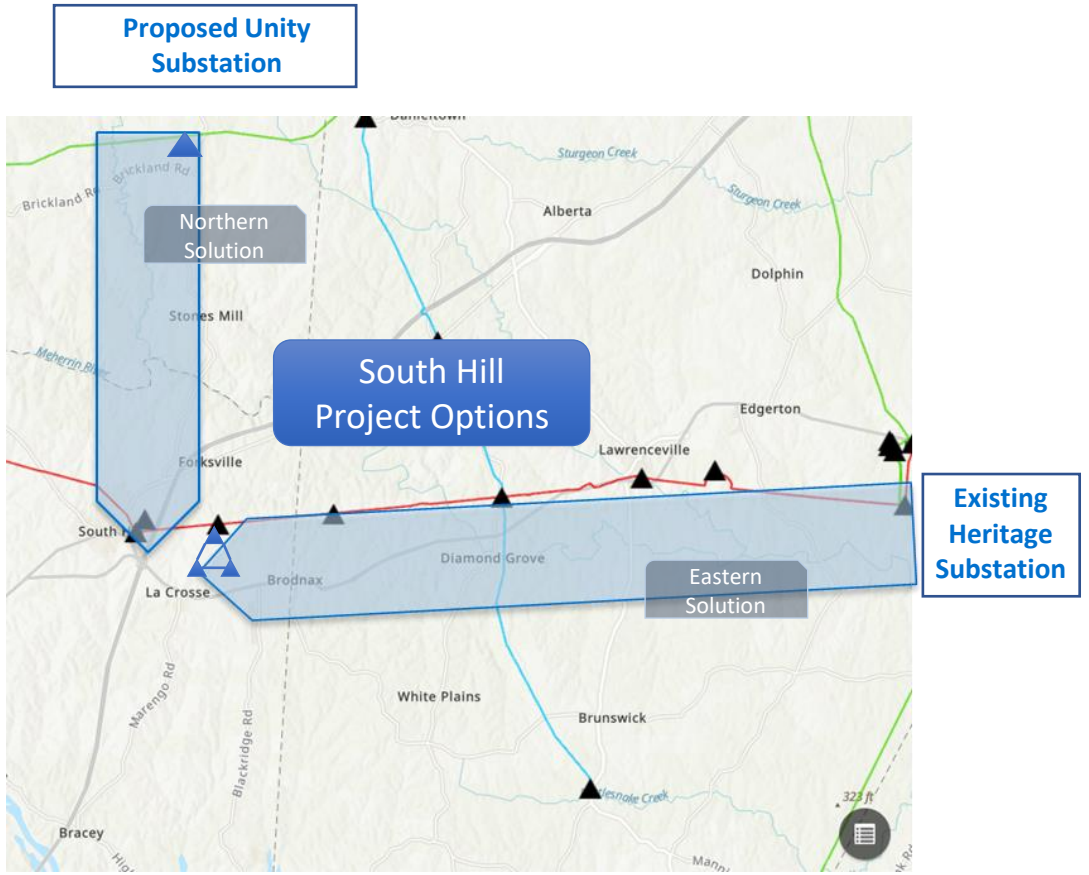
- **Project Scope**
  - Build two single-circuit 230 kV transmission lines parallel to one another on shared right of way into the South Hill/La Crosse areas
  - Build three substations in South Hill/La Crosse
    - Build a connecting transmission line loop between the three proposed substations
   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



South Hill Typical Structures

Eastern and Northern Solution

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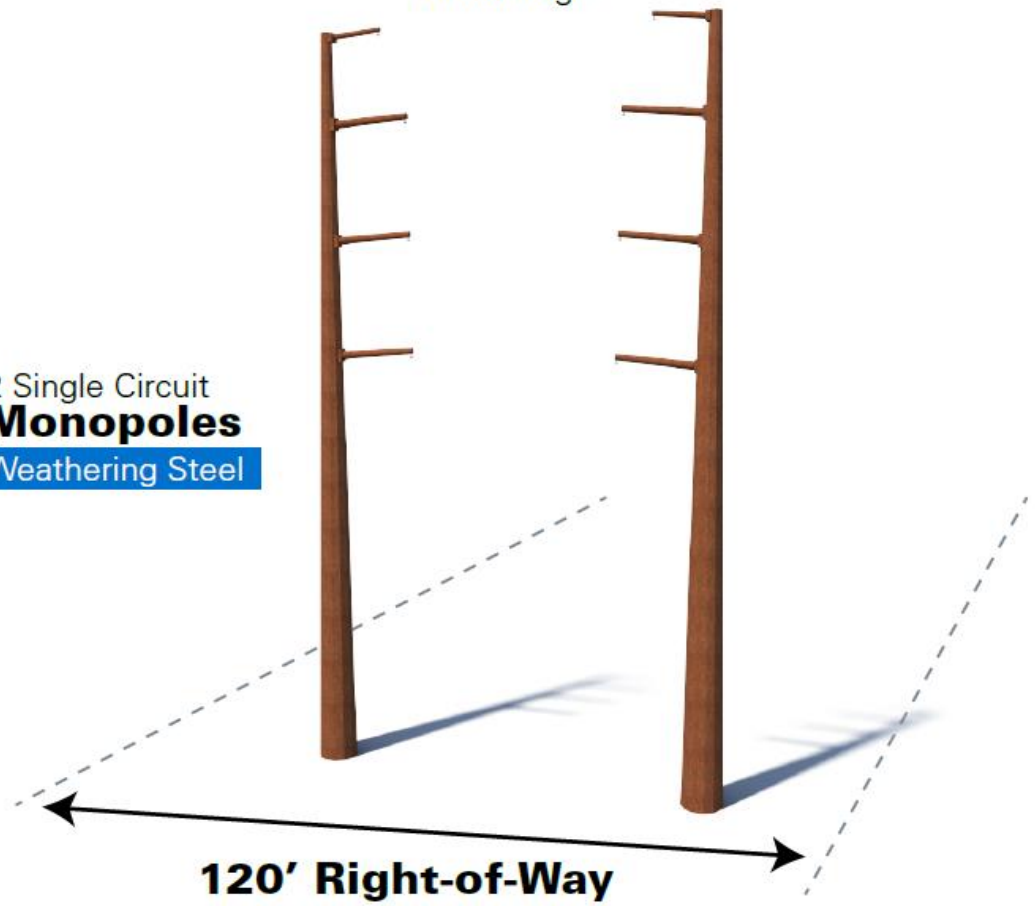
120′ Tall
on average

2 Single Circuit
Monopoles
Weathering Steel

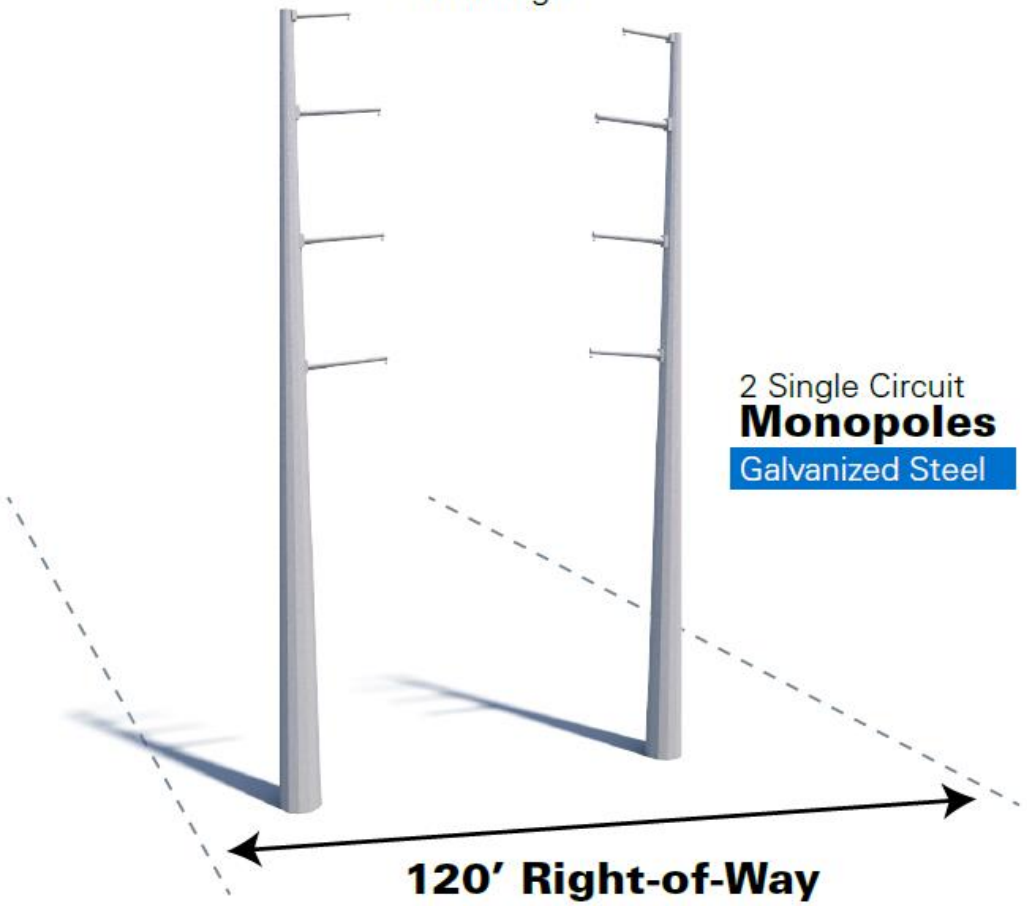


120′ Right-of-Way

OR

120′ Tall
on average

2 Single Circuit
Monopoles
Galvanized Steel

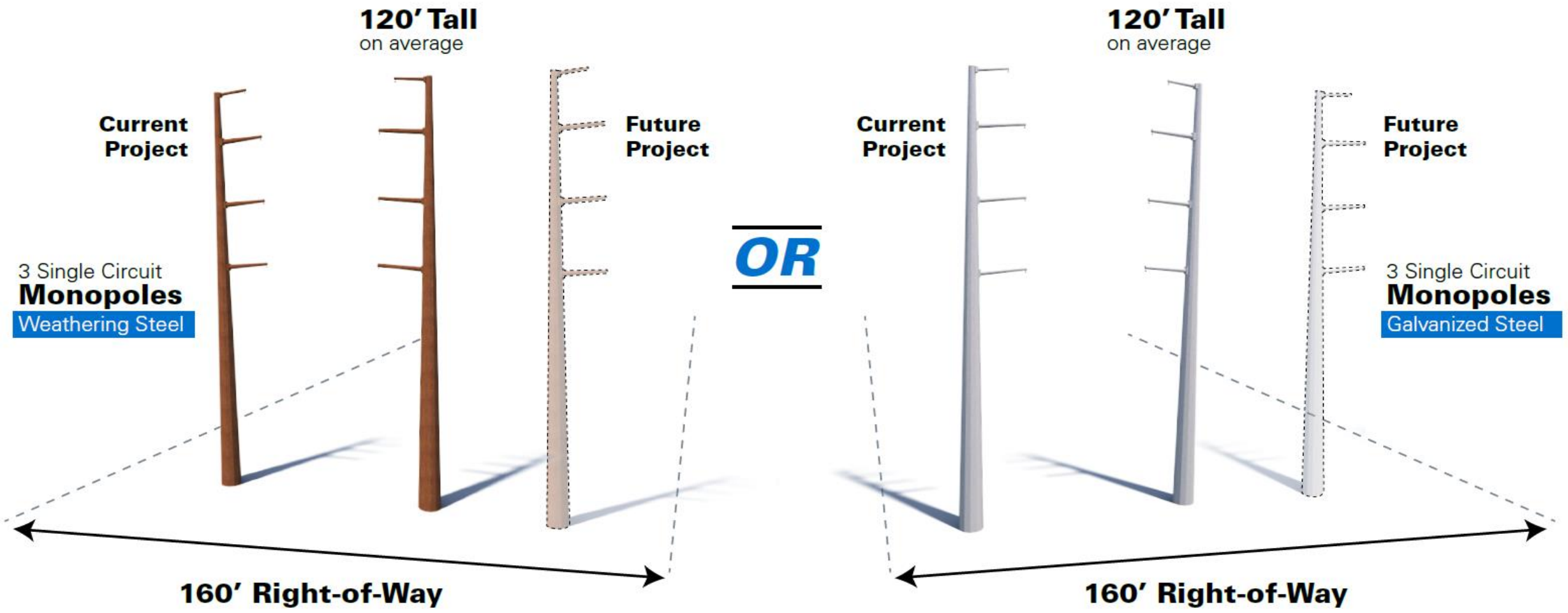


120′ Right-of-Way

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



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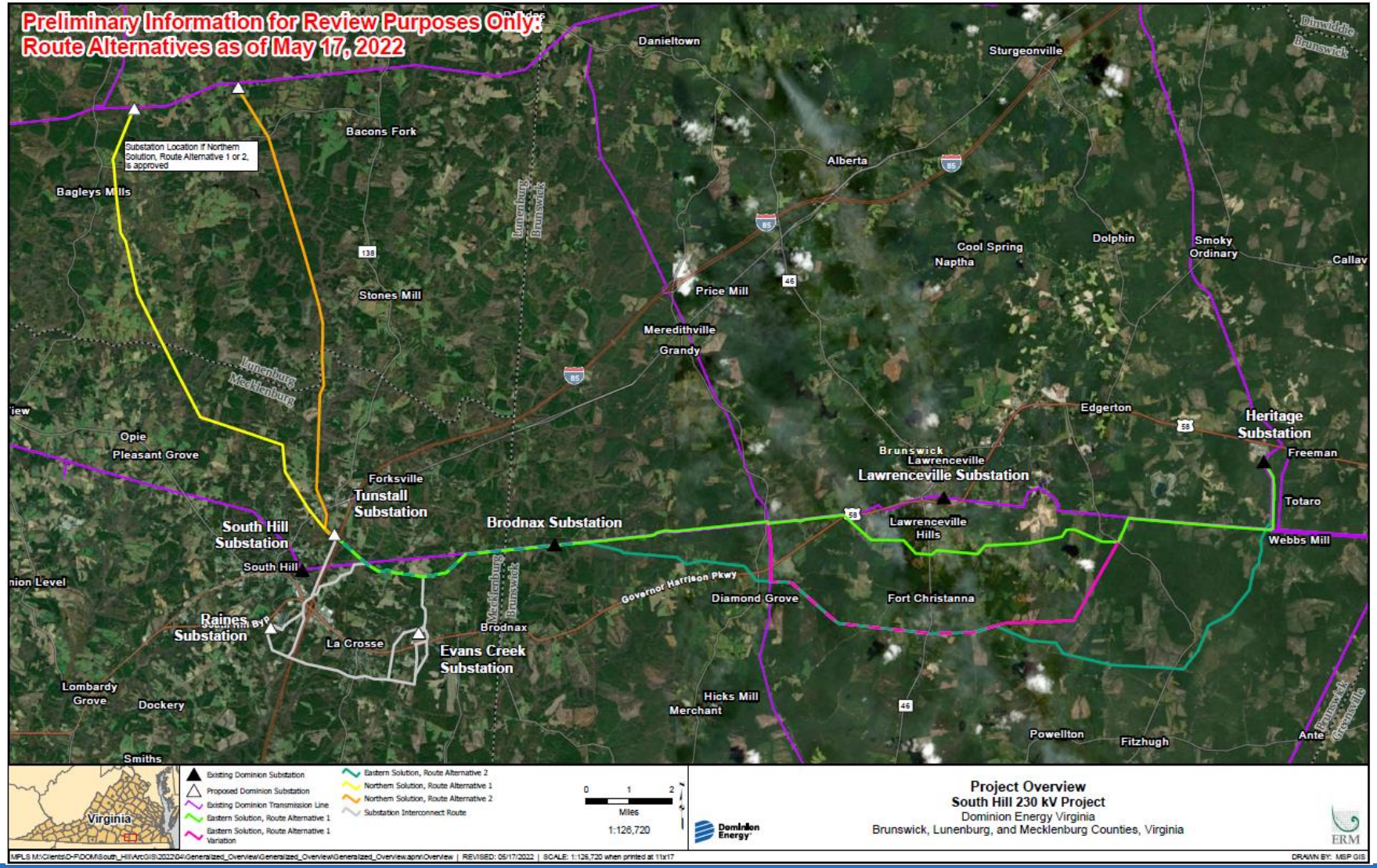
Routing Considerations

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

Route Options



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:
Galvanized Steel

Viewing Direction:
Southeast

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Existing Conditions

Proposed Conditions

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

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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:
Galvanized Steel

Viewing Direction:
Northeast

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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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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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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:
Galvanized Steel

Viewing Direction:
West

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Permitting

- **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 Unity 500 kV/230 kV Substation for South Hill Northern electrical solution

Transmission Line Planning and Public Engagement Process
SCC Application

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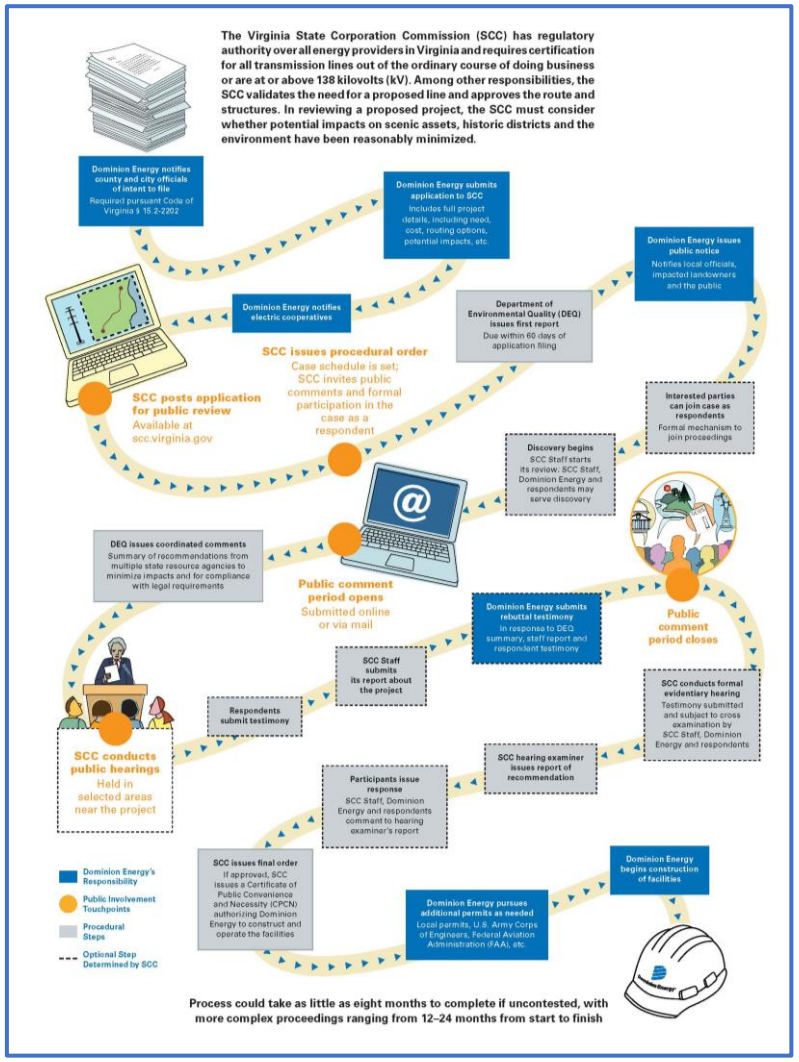
Opportunities for public involvement throughout the process, including public hearings

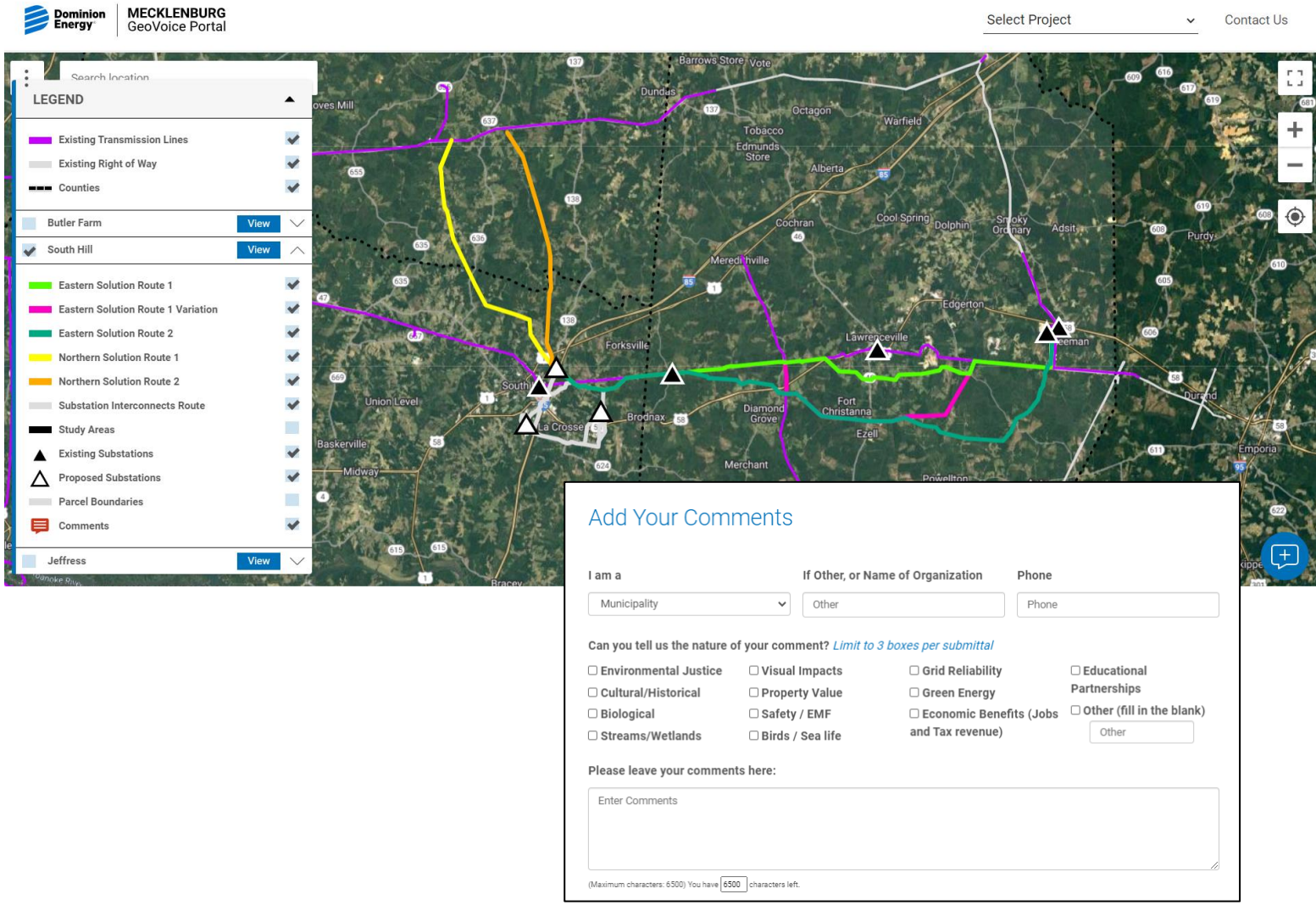
Process could take as little as eight months to complete if uncontested, with more complex proceedings ranging from 12–24 months from start to finish



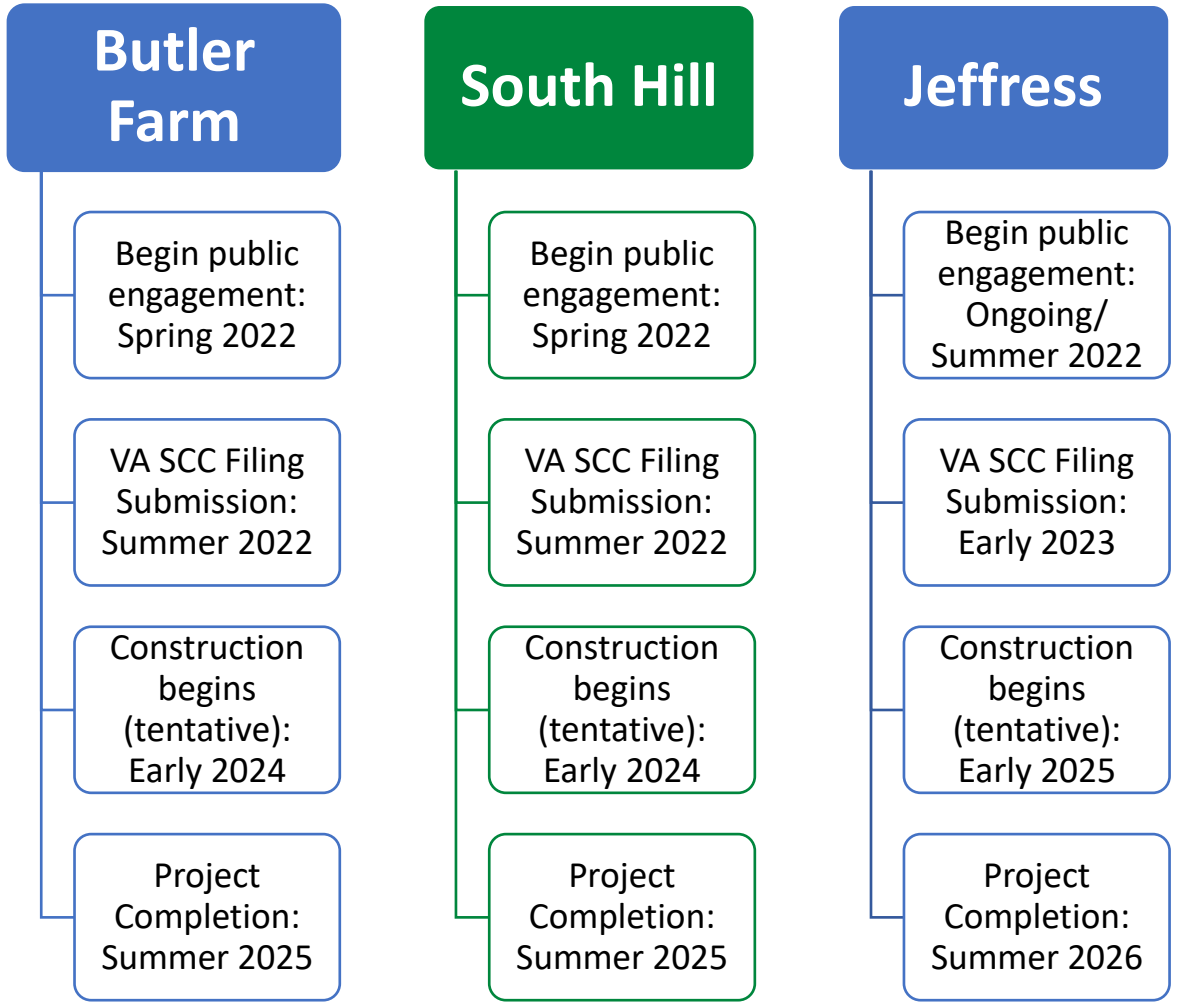
GeoVoice

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
- Track project development and receive updates



Timeline


Butler Farm
Begin public engagement: Spring 2022
VA SCC Filing Submission: Summer 2022
Construction begins (tentative): Early 2024
Project Completion: Summer 2025
South Hill
Begin public engagement: Spring 2022
VA SCC Filing Submission: Summer 2022
Construction begins (tentative): Early 2024
Project Completion: Summer 2025
Jeffress
Begin public engagement: Ongoing/ Summer 2022
VA SCC Filing Submission: Early 2023
Construction begins (tentative): Early 2025
Project Completion: Summer 2026

What's Next?

- Review routing options and speak to subject matter experts
- Another in-person community meeting later this summer once public input is received and incorporated into project planning
- For questions throughout the project, send an email to **powerline@dominionenergy.com** or call **888-291-0190**
- For more information and to access GeoVoice, please visit: **DominionEnergy.com/southhill**

Thank you for joining!