Dominion Energy®

Actions Speak Louder

Meeting Virginia's Energy Needs

Mecklenburg County, Dec. 1, 2022

Forces Driving Infrastructure Need

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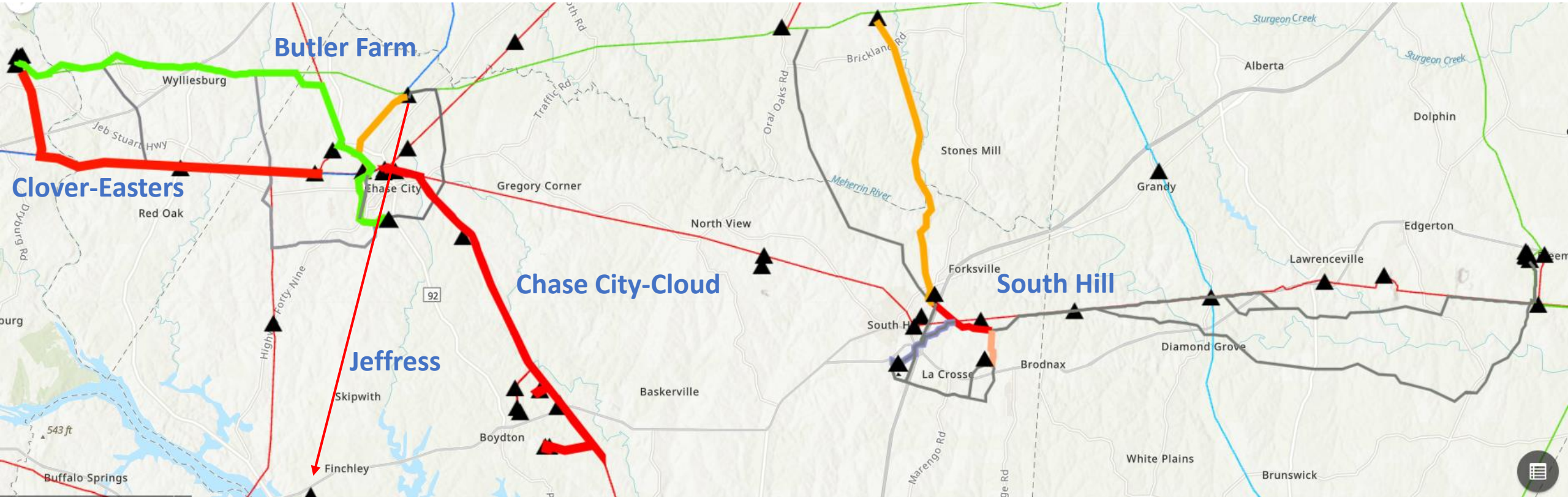
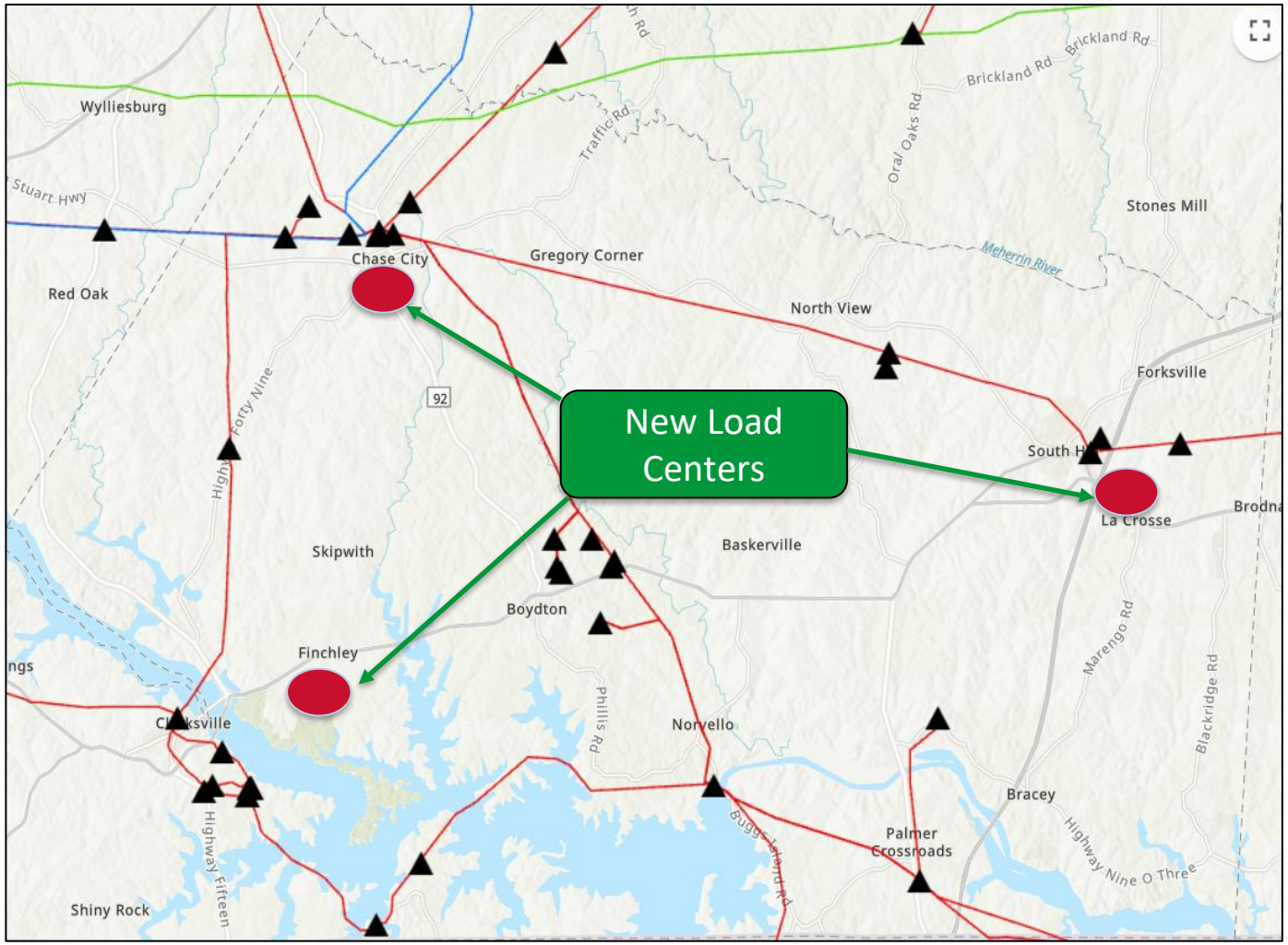
- Economic Growth
- Aging Power Grid Assets
- Addressing Mandatory NERC Criteria Standards

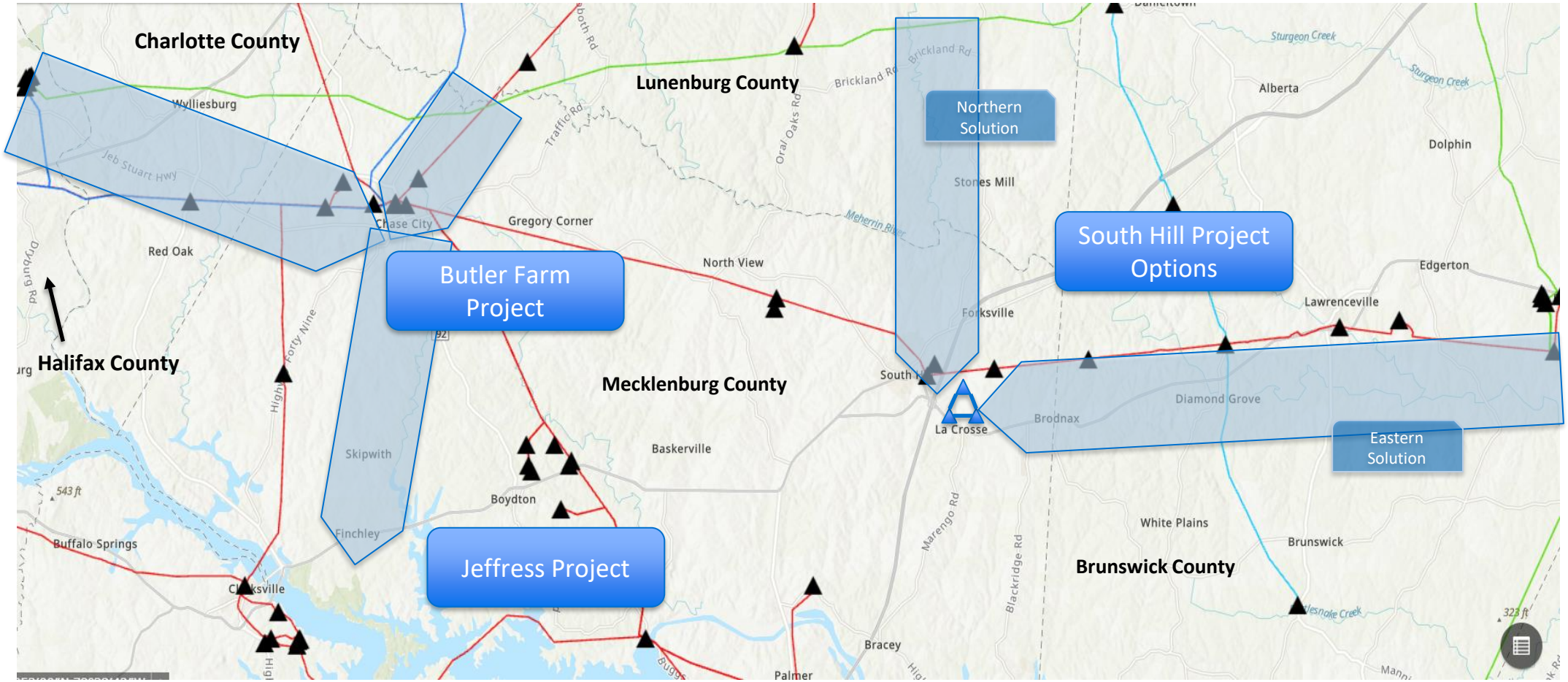
Mecklenburg County



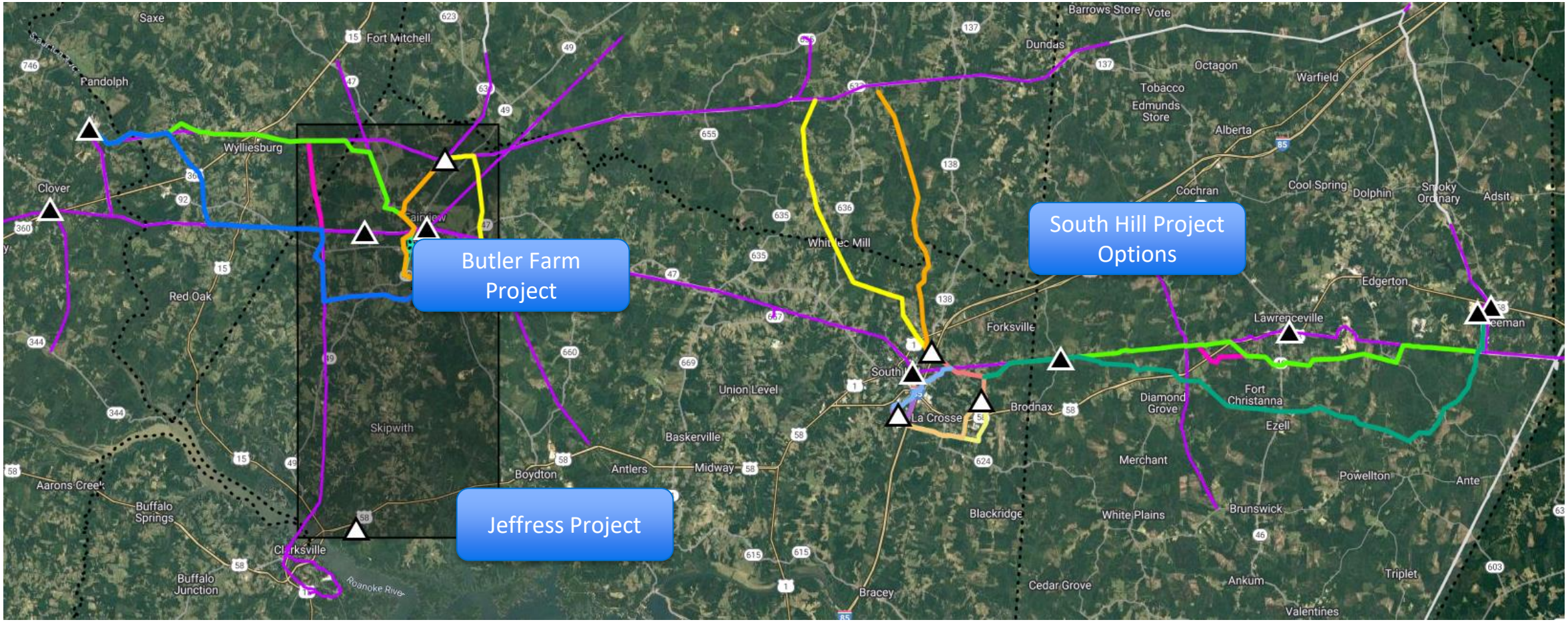
Current System



Southside Infrastructure Enhancements Overview

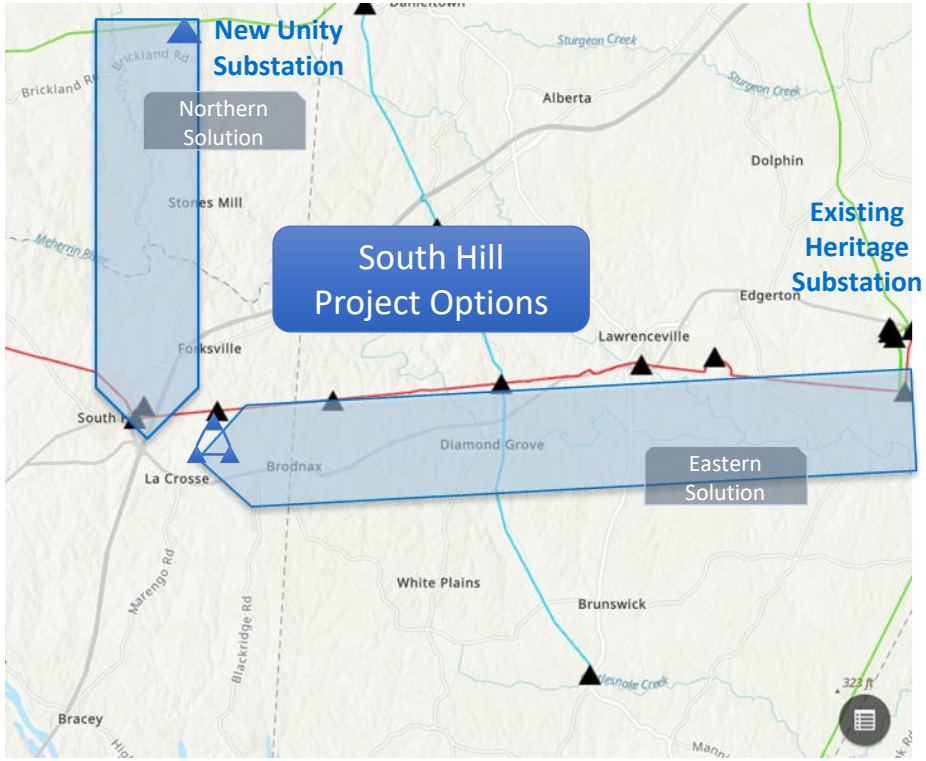


Southside Infrastructure Enhancements Overview



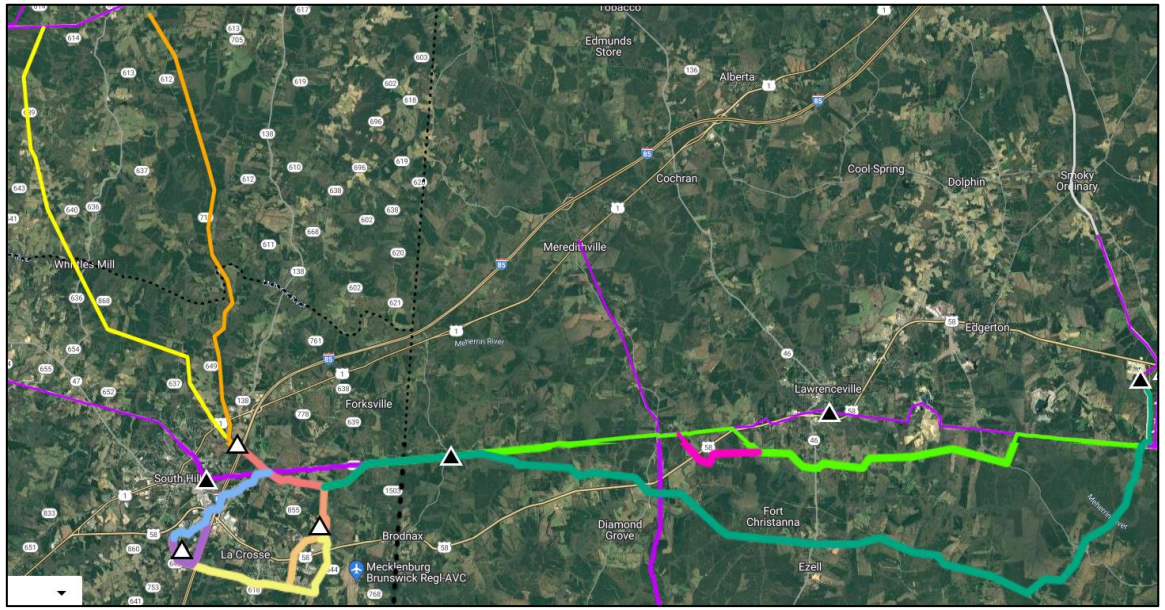
South Hill 230 kV Project

- **Submitted application with the SCC:** October 6, 2022
- **Impacted Counties:** Brunswick, Lunenburg, and Mecklenburg
- **Build two single-circuit 230 kV transmission lines** parallel to one another on shared right of way into the South Hill/La Crosse areas
  - **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
- **Build three substations** in South Hill/La Crosse (all on data center property) **and build a connecting transmission line loop** between the three proposed substations



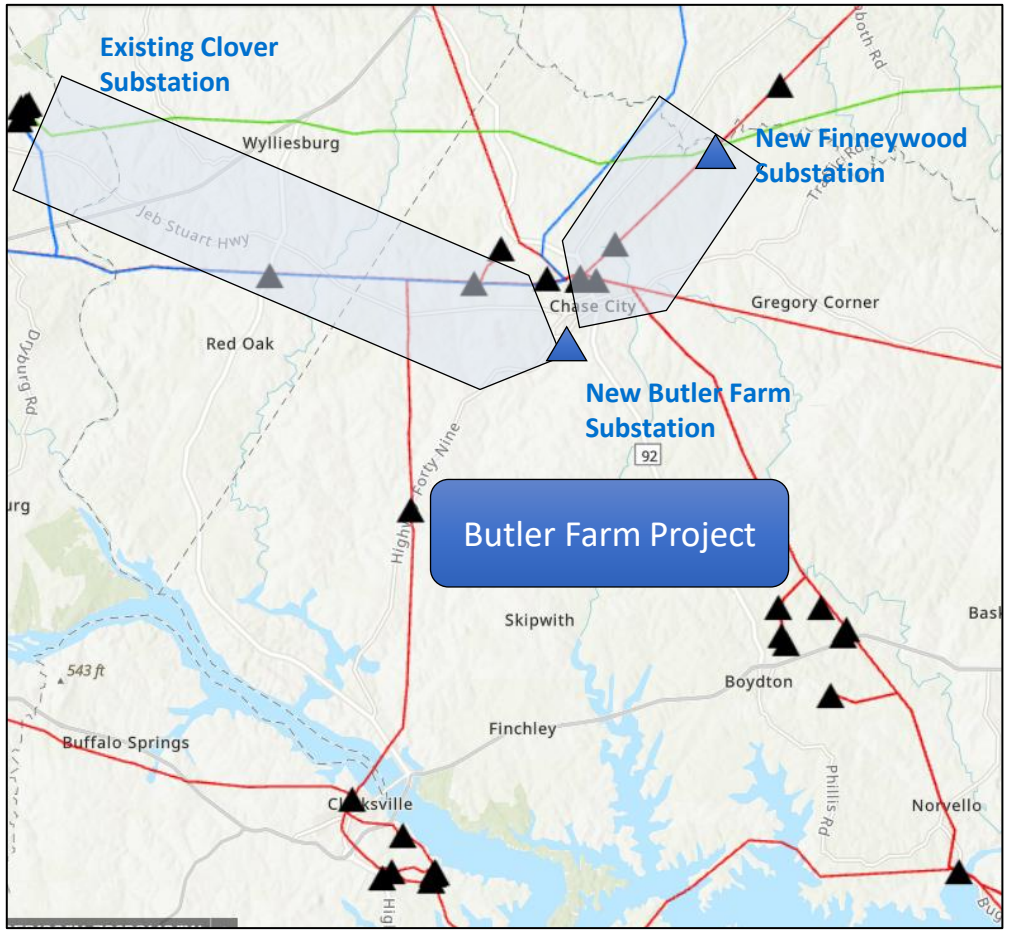
South Hill 230 kV Project

- **Build two single-circuit 230 kV transmission lines** parallel to one another on shared right of way into the South Hill/La Crosse areas
  - **Proposed Route**: Northern/Unity Solution, Route Alt 2 (orange)
  - **Alternative Routes**: Eastern/Heritage Solution, Route Alt 1 (lime green), Eastern Heritage Solution Route Alt 2 (dark green), Northern/Unity Solution Route Alt 1 (yellow)
- **Build three substations** in South Hill/La Crosse (all on data center property) **and build a connecting transmission line loop** between the three proposed substations
  - **Proposed Routes:** Interconnect Corridor A Route 1 (red), Interconnect Corridor B Route 1 (peach), and Interconnect Corridor D Route 4 (blue)
  - **Alternative Routes**: Interconnect Corridor C Route 1 (light orange), Interconnect Corridor C Route 2 (yellow),and Interconnect Corridor D Route 2 (purple)



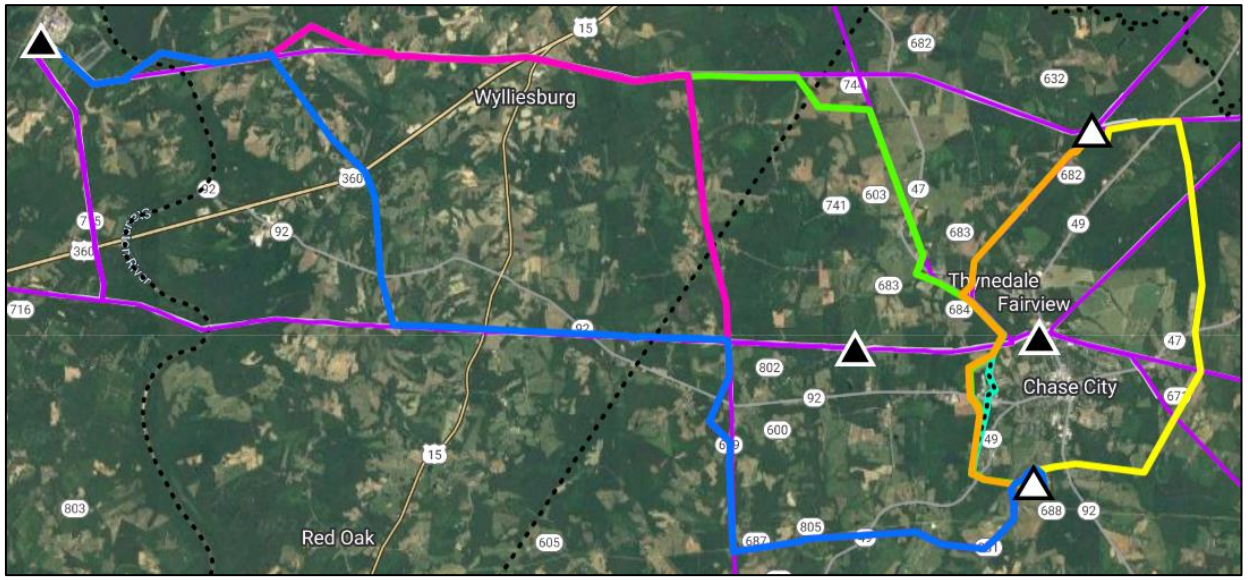
Butler Farm 230 kV Project

- **Submitted application with the SCC:** October 21, 2022
- **Impacted Counties:** Charlotte, Halifax, and Mecklenburg
- **Clover-Butler Farm:** Build approximately 18 miles of new single-circuit 230 kV transmission line from the existing Clover Substation to the proposed Butler Farm Substation
- **Finneywood-Butler Farm:** Build approximately 7 miles of new single-circuit 230 kV transmission line from the proposed Butler Farm Substation to the proposed Finneywood Substation
  - An additional 230 kV transmission line will be needed in this corridor in 2028



Butler Farm 230 kV Project

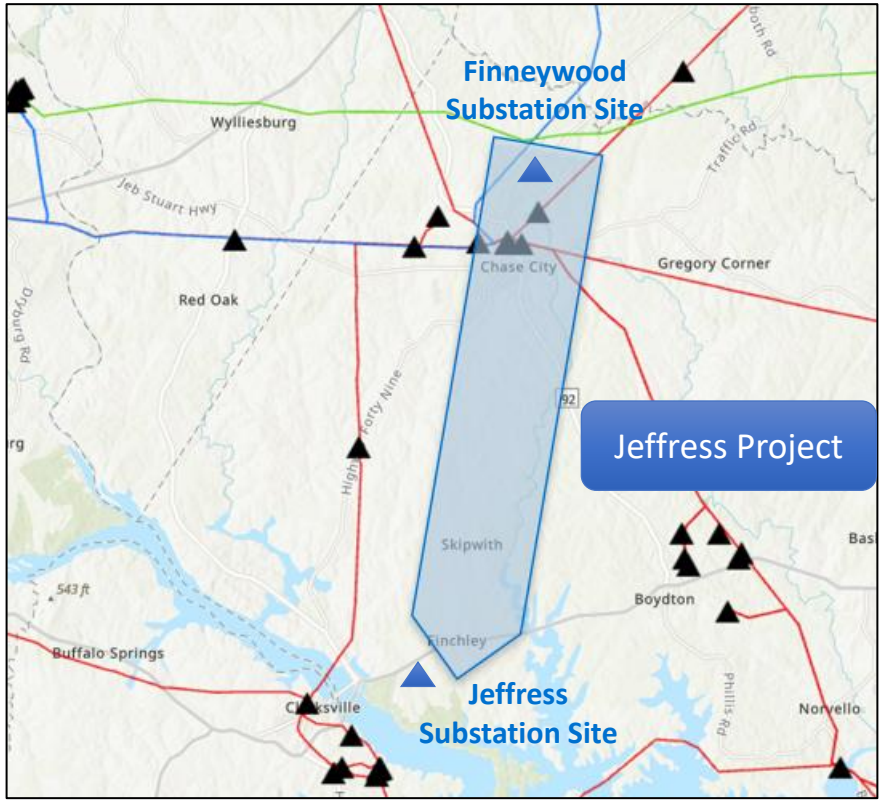
- **Clover-Butler Farm:** Build approximately 18 miles of new single-circuit 230 kV transmission line from the existing Clover Substation to the proposed Butler Farm Substation
  - **Proposed Route**: Clover to Butler Farm Route Alt 1 (green)
  - **Alternative Routes**: Clover to Butler Farm Route Alt 2 (pink), Clover to Butler Farm Route Alt 3 (blue)
- **Finneywood-Butler Farm:** Build approximately 7 miles of new single-circuit 230 kV transmission line from the proposed Butler Farm Substation to the proposed Finneywood Substation
  - An additional 230 kV transmission line will be needed in this corridor in 2028
  - **Proposed Route:** Butler Farm to Finneywood Route Alt 1 (orange)
  - **Alternative Route**: Butler Farm to Finneywood Route Alt 2 (yellow)



High Level Project Overview: Jeffress 230 kV

Mecklenburg County

- **Project Scope**
  - Build approximately 18 miles of two single-circuit 230 kV transmission lines paralleling one another on shared right of way from the Finneywood Substation to the Jeffress Substation
- **Right of way needs**
  - ~120 feet wide



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

Routing Considerations

- Wetlands and watercourse crossings
- Conservation lands – such as Virginia Outdoor Foundation, National Park Service, Department of Conservation and Recreation, and county-owned property
- Threatened and endangered species
- Cultural, historical and Tribal resources
- Neighborhoods; Environmental Justice
- Public gathering spaces such as schools, churches and parks

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 Department of Historic Resources (VDHR)
  - Virginia Department of Transportation (VDOT)
  - Virginia Marine Resources Commission (VMRC)
- **Local Permitting Requirements**
  - Jeffress Substation on Data Center property

Transmission Line Planning and Public Engagement Process
Virginia State Corporation Commission Application

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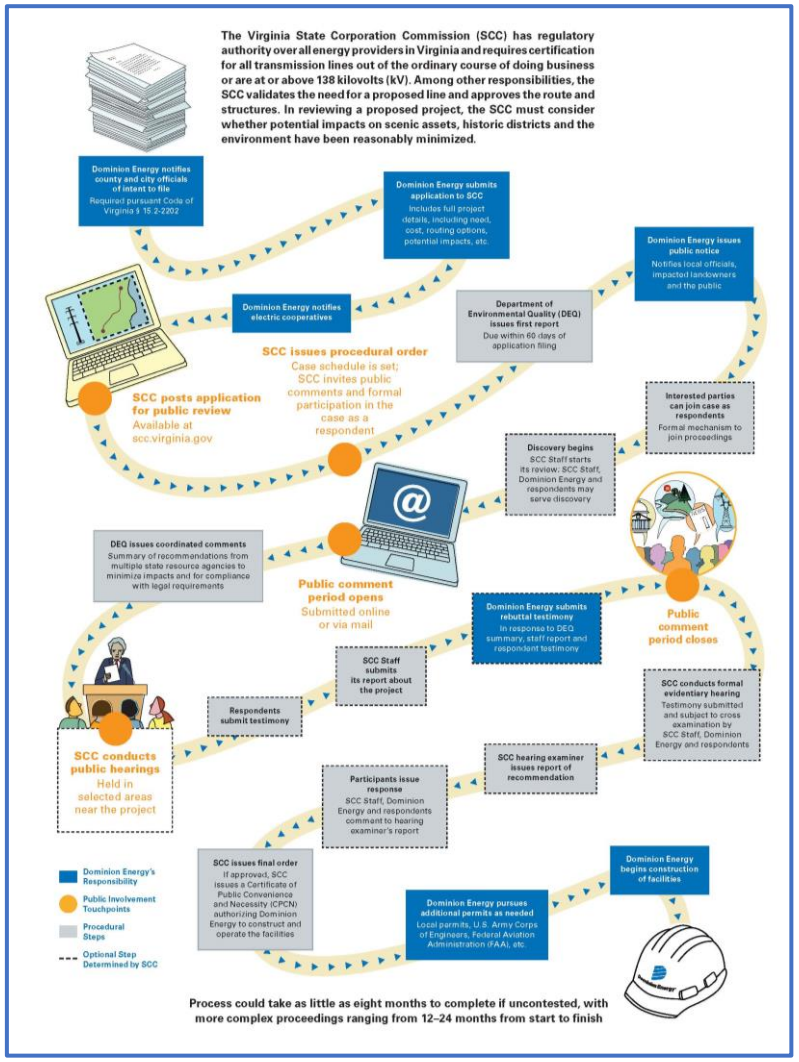
Opportunities for public involvement throughout the process, including public hearings

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



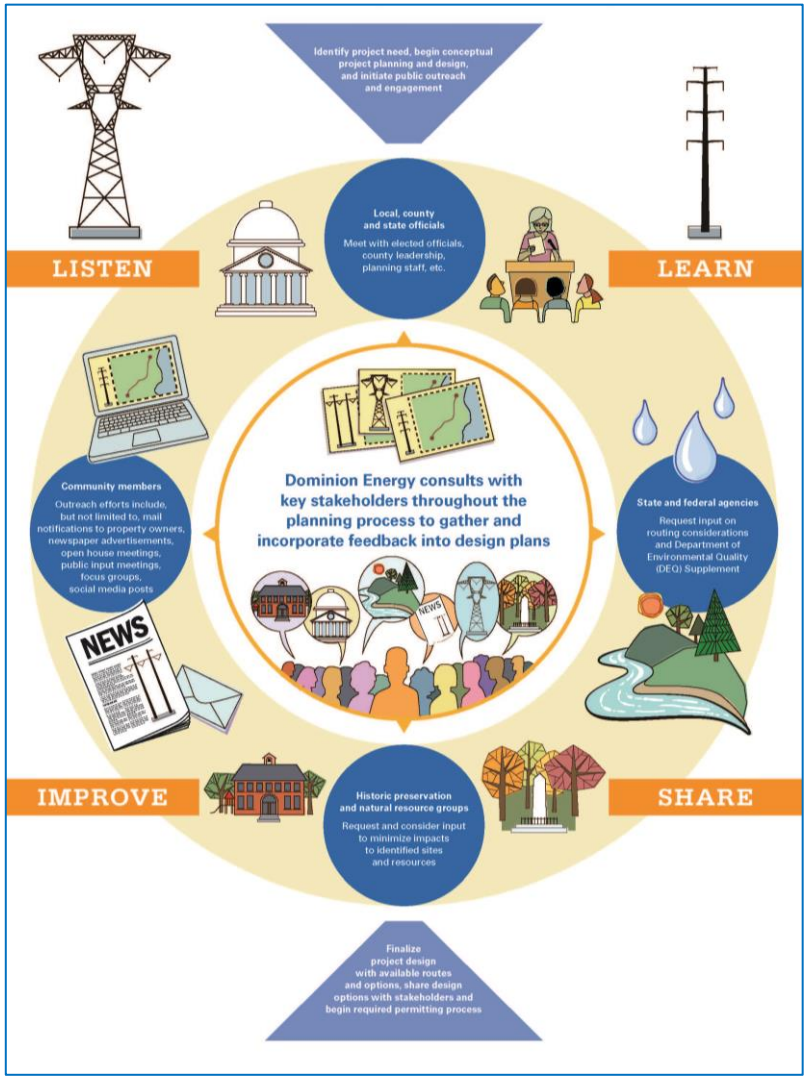
Electric Transmission Line Planning and Approval Process

Relationships

- Value what the community values
- Seek available mutual benefits

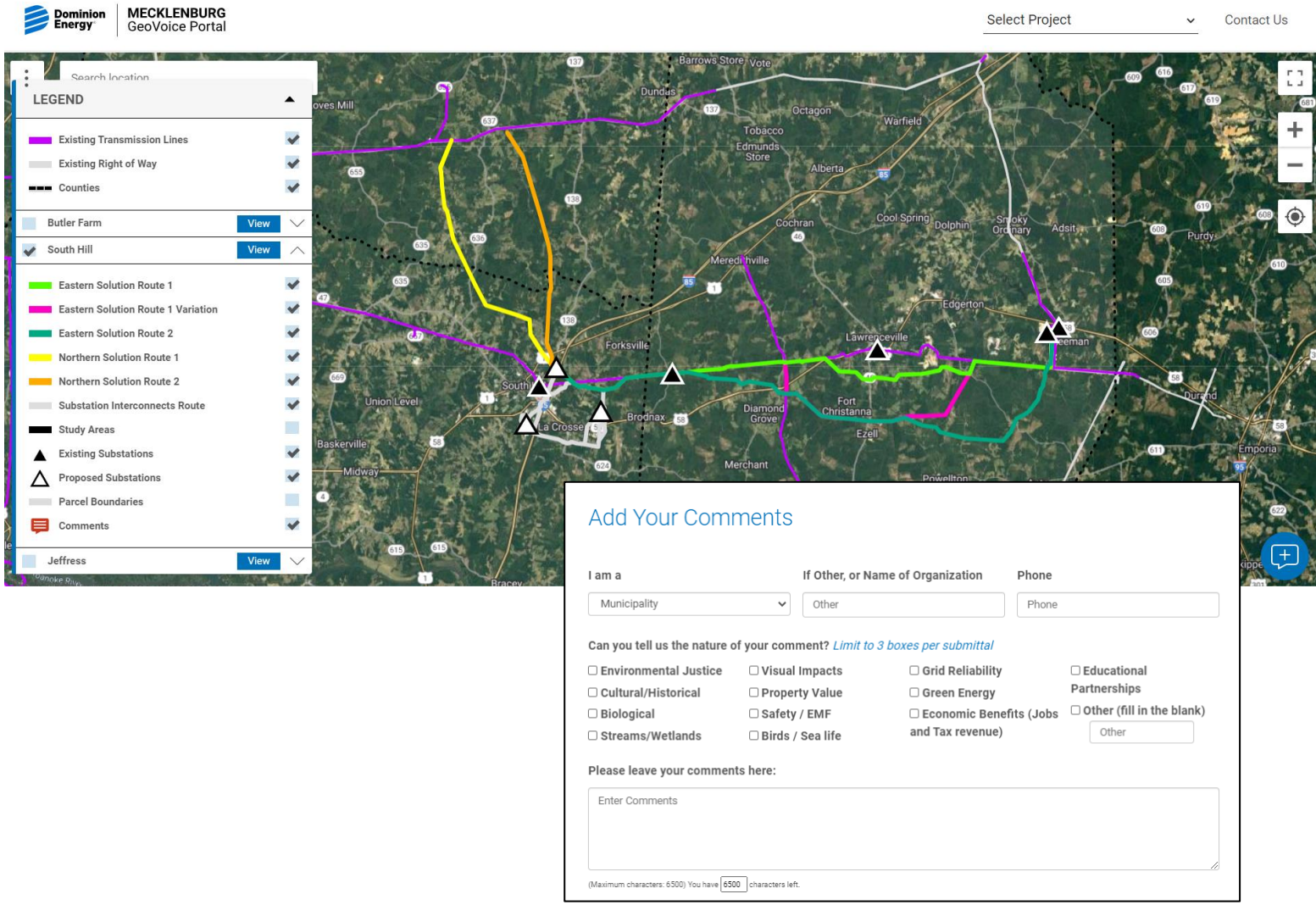
Trust

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

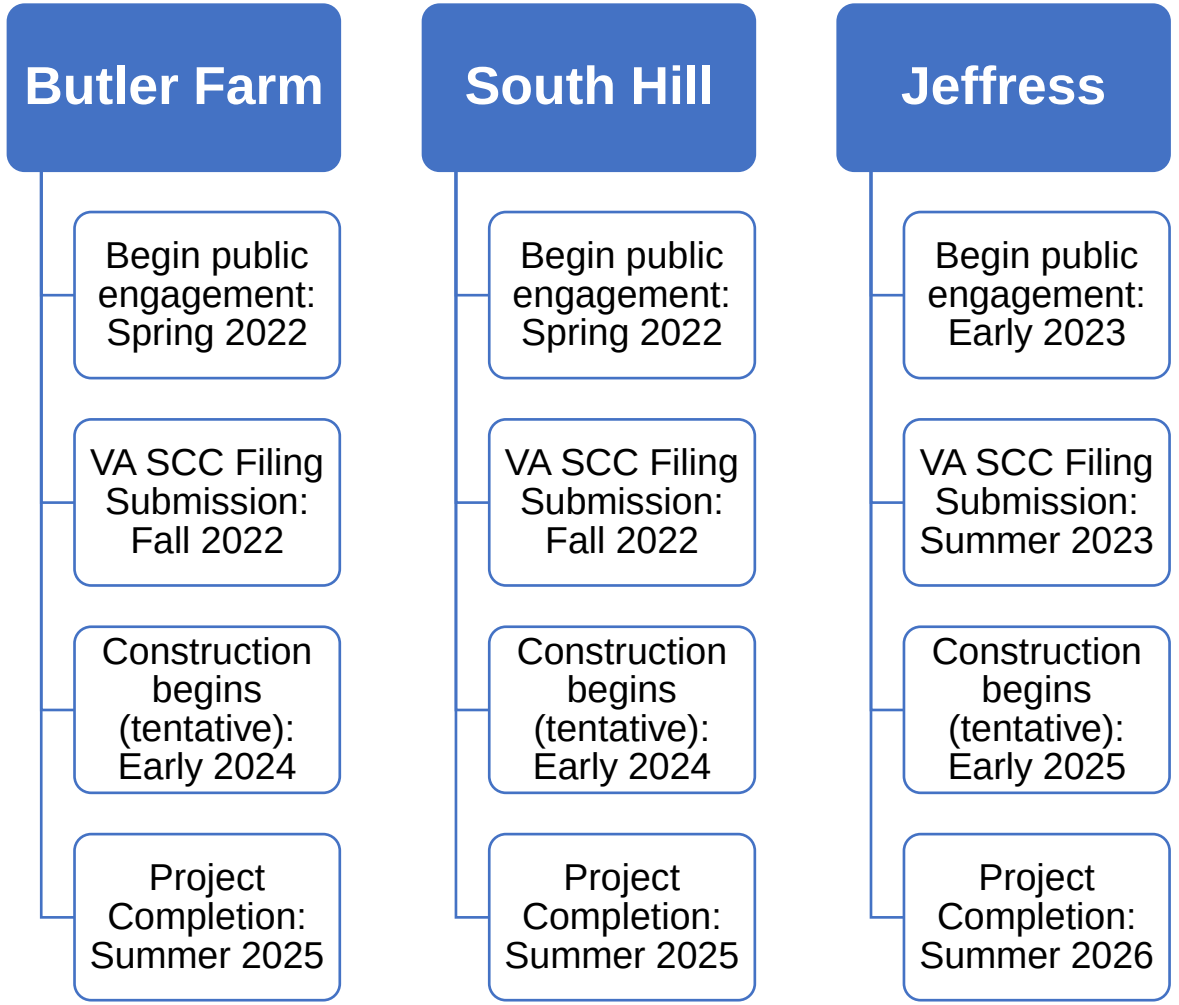


GeoVoice

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



Timeline


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

Thank You

- Email **powerline@dominionenergy.com**
- Call **888-291-0190**
- For more information about these projects and to access GeoVoice, please visit:
  DominionEnergy.com/butlerfarm
  DominionEnergy.com/southhill
  DominionEnergy.com/jeffress

Thank You