



## Dominion plans to meet continued growth with new transmission lines utilizing existing right-of-way easements

**BACKGROUND** — Dominion is committed to providing reliable electricity to our customers. Electrical demand in the Hampton Roads area is projected to increase by more than 20 percent by summer 2020. This growth will place a strain on the electrical grid, and create the potential for overloads and violations of North American Electric Reliability Corporation (NERC) reliability standards. Recently announced plans for retirement of local generation facilities has accelerated the need for new transmission lines to be built and in service by 2014. Dominion is now looking into the potential of developing transmission lines utilizing previously acquired right-of-way easements, see map on reverse.

### PROJECT OVERVIEW

**Chickahominy-Skiffes Creek 500kV Line** — 38 miles total: approximately 25 miles uncleared, 13 miles existing, cleared corridor

- *During the 1970s/1980s, Dominion acquired new right-of-way (150' to 250' wide easements) in Charles City and James City counties. Dominion recently conducted a preliminary feasibility study and has now assembled a project team to develop plans to utilize this right-of-way corridor to build a new 500,000 volt (500kV) line to connect to an existing transmission corridor just north of Lightfoot Substation*
- *From north of Lightfoot Substation continuing south the new 500kV line will be collocated with other transmission structures within an existing corridor*
- *Skiffes Creek Switching Station — As part of application to be filed with the Virginia SCC, Dominion will propose to build and operate the Skiffes Creek Switching Station on land already acquired near the I-64 corridor in southern James City County*

**Skiffes Creek-Wheaton 230kV Line** — 18 miles: all existing, cleared corridor

- *From the proposed Skiffes Creek Switching Station south to the existing Wheaton Substation, Dominion plans to reconfigure the existing transmission lines and towers in order to accommodate a new 230,000 volt (230kV) line*

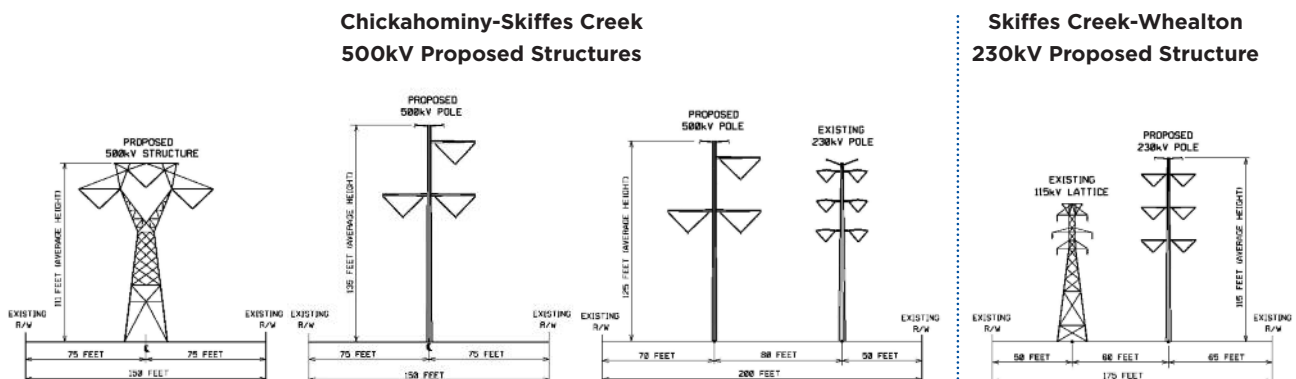
### PROJECT BENEFITS

Dominion's new line projects will:

- Supply needed capacity by 2014 to serve the local area and our nation's critical military facilities
- Comply with mandatory NERC Reliability Standards,
- Take advantage of the existing corridor wherever possible, and
- Provide reliability improvements for fewer service interruptions and shorter durations when an outage does occur.

### PROJECT TIMELINE

- **December 2012** — Community outreach and notification letters will be mailed to area residents
- **January 2012** — Multiple publicly advertised "Open House Meetings" will be held to solicit community input on proposed projects
- **February 2012** — File application with Virginia State Corporation Commission (SCC). Public will have multiple opportunities to engage in SCC application review process
- **Fall 2012** — Pending approval, initiate construction activities
- **November 2014** — Energize lines



The structure diagrams shown above are indicative of typical proposed structures but do not represent all potential configurations. Actual structure types and heights are subject to final engineering.

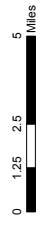
See reverse side for a map of the *Chickahominy-Skiffes Creek 500kV and Skiffes Creek-Wheaton 230kV Rebuild Projects.*



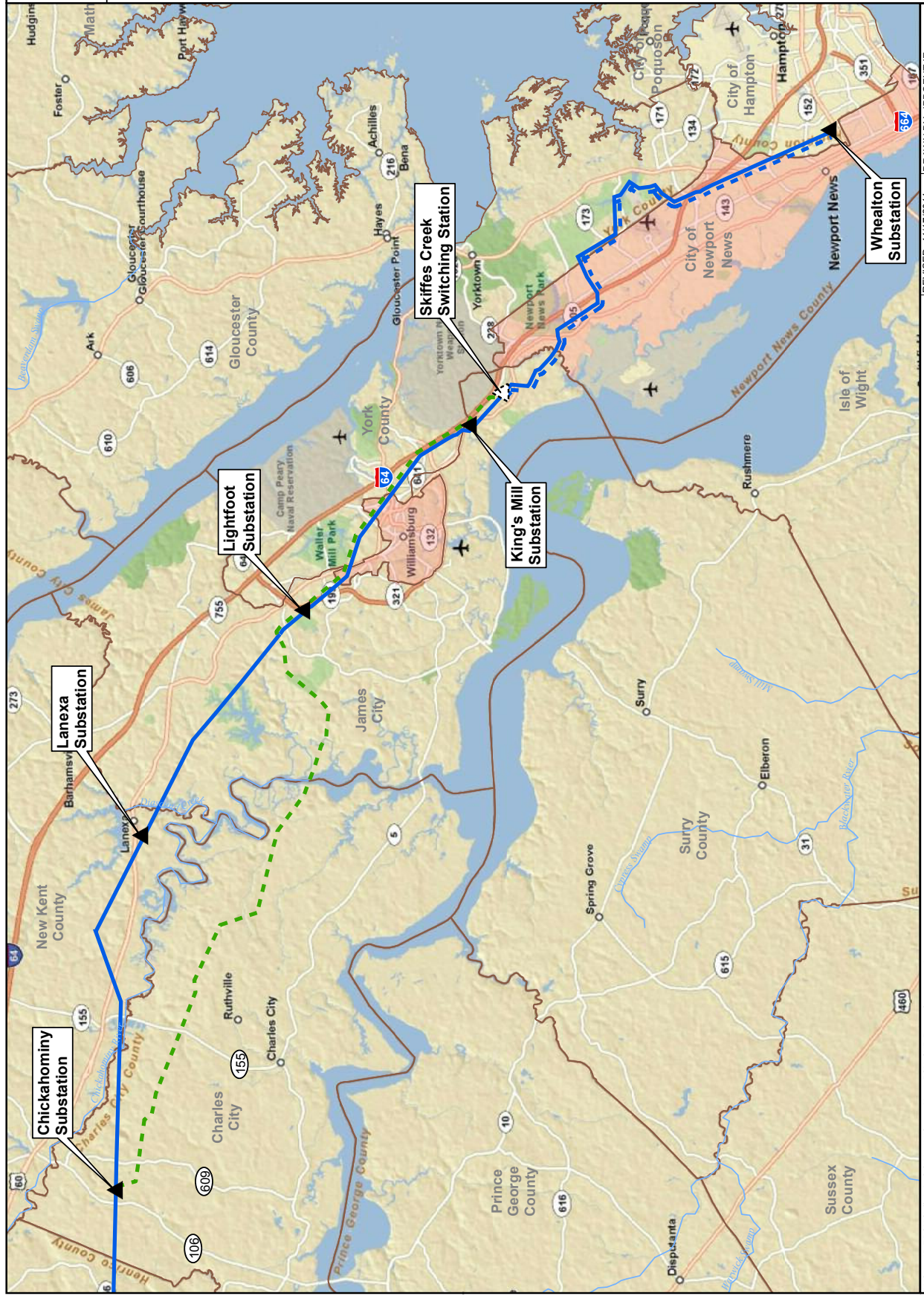
**Chickahominy - Skiffes Creek 500 kV Line**

**Skiffes Creek - Whealton 230 kV Line**

- ▲ Existing Substation
- ▲ Proposed Switching Station
- Existing 230 kV Line
- - - Proposed 230 kV Line
- - - Proposed 500 kV Line
- Metro Area



1:225,000



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