

# STUART AREA IMPROVEMENTS PROJECT

Appalachian Power officials plan to upgrade the electric transmission grid in Carroll, Floyd, Franklin, Henry, and Patrick counties in Virginia. The Stuart Area Improvements Project consists of several components for power line and substation upgrades throughout the next several years. The upgrades replace equipment that is 80 to 100 years old, add an additional power source to the area, upgrade the voltage of equipment from 69-kilovolt (kV) to 138-kV, and add two new distribution substations to improve the local distribution system. The Project will ensure adequate power delivery to the area to support today's electrical load and provide continued support during an extended outage. Company representatives plan to file the project with the Virginia State Corporation Commission in fall 2022. If approved, these combined upgrades allow the retirement of 60 miles of aging transmission line and four substations.

## Component 1: Stuart - Willis Gap

The Stuart - Willis Gap Component involves:

- Building approximately 22 miles of 138-kilovolt (kV) transmission line
- Building two new substations
- Retiring the Stuart Substation

## Component 2: Stuart - Floyd

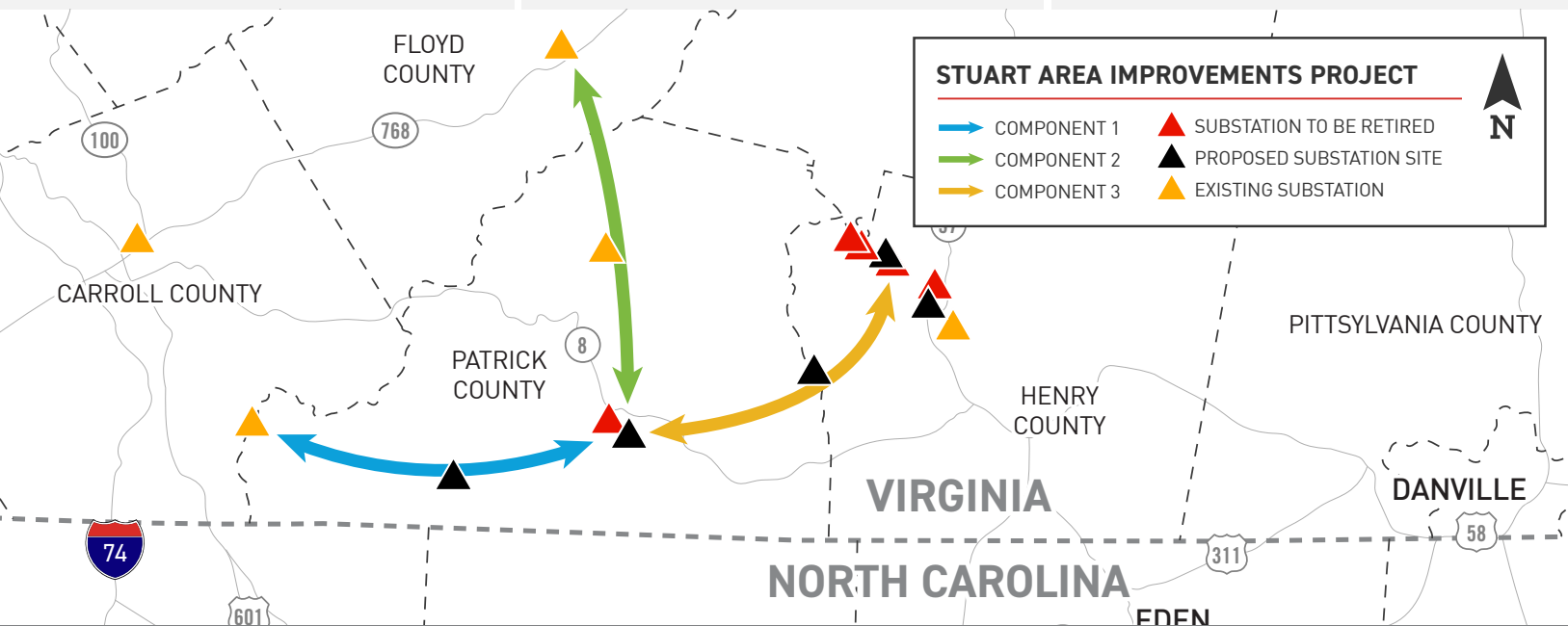
The Stuart - Floyd Component involves:

- Rebuilding approximately 20 miles of 69-kV transmission line to 138-kV
- Upgrading one substation
- Expanding one substation

## Component 3: Stuart - Bassett

The Stuart - Bassett Component involves:

- Rebuilding approximately 18 miles of 69-kV transmission line to 138-kV
- Building approximately 5 miles of 138-kV transmission line
- Upgrading two substations
- Building three new substations



APPALACHIAN POWER VALUES YOUR INPUT ABOUT THIS PROJECT. PLEASE SEND COMMENTS AND QUESTIONS TO:

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