

CHARLESTON-SOUTH CHARLESTON TRANSMISSION UPGRADES PROJECT



Appalachian Power representatives plan to upgrade the electric transmission grid in Kanawha County. The Chemical-South Charleston Transmission Upgrades Project involves upgrading the Chemical Substation, expanding the South Charleston Substation and rebuilding approximately 1 mile of transmission line in the city of South Charleston. Construction begins fall 2022 and concludes fall 2023.



WHAT

The updates include:

- Expanding the South Charleston Substation approximately 360 feet southwest along 11th Avenue, south of the Kanawha River
- Removing the Standard Laboratories building (formerly the FMC office) located on the substation expansion property
- Upgrading the Chemical Substation located off 7th Avenue, north of the Kanawha River
- Rebuilding approximately 1 mile of 46-kilovolt (kV) power line to 69-kV between the South Charleston Substation and the Chemical Substation

WHY

The project:

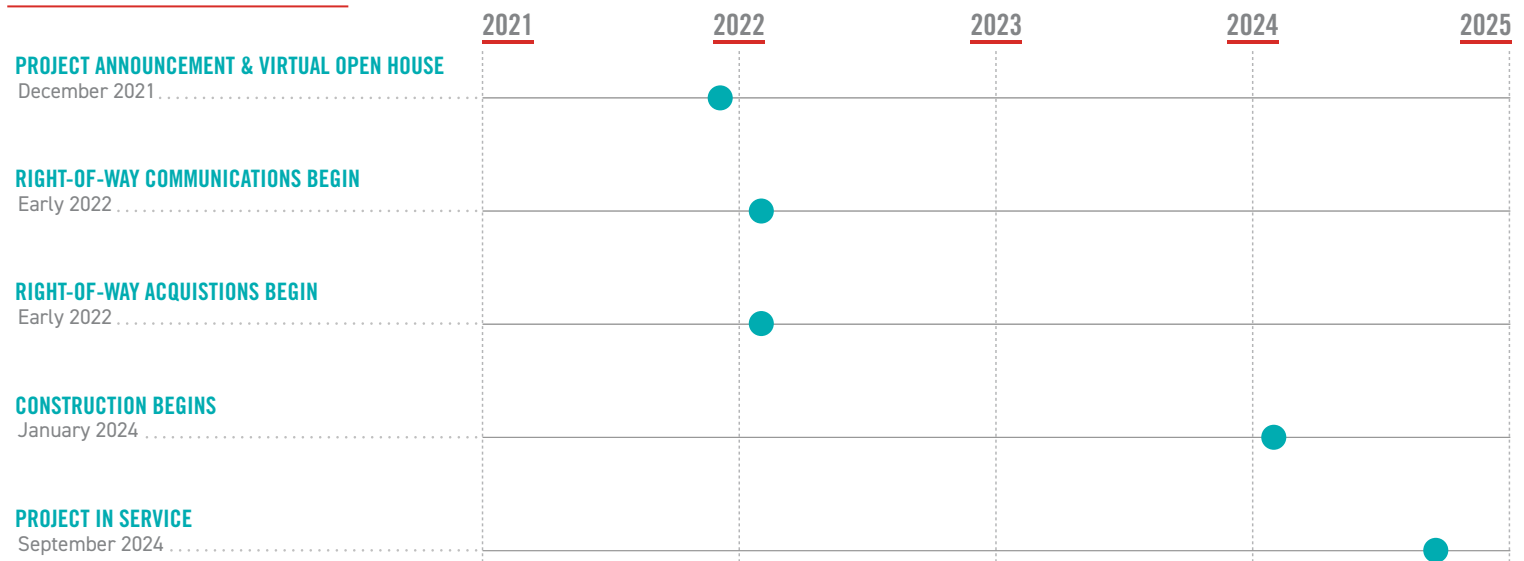
- Replaces wooden poles from the 1950s with modern equipment
- Reduces the number of poles in the area
- Upgrades the local transmission grid to improve reliability for the growing community

WHERE

The upgrades begin at the Chemical Substation located off 7th Avenue and travel south across the Kanawha River to where they end at the South Charleston Substation located off 11th Avenue.



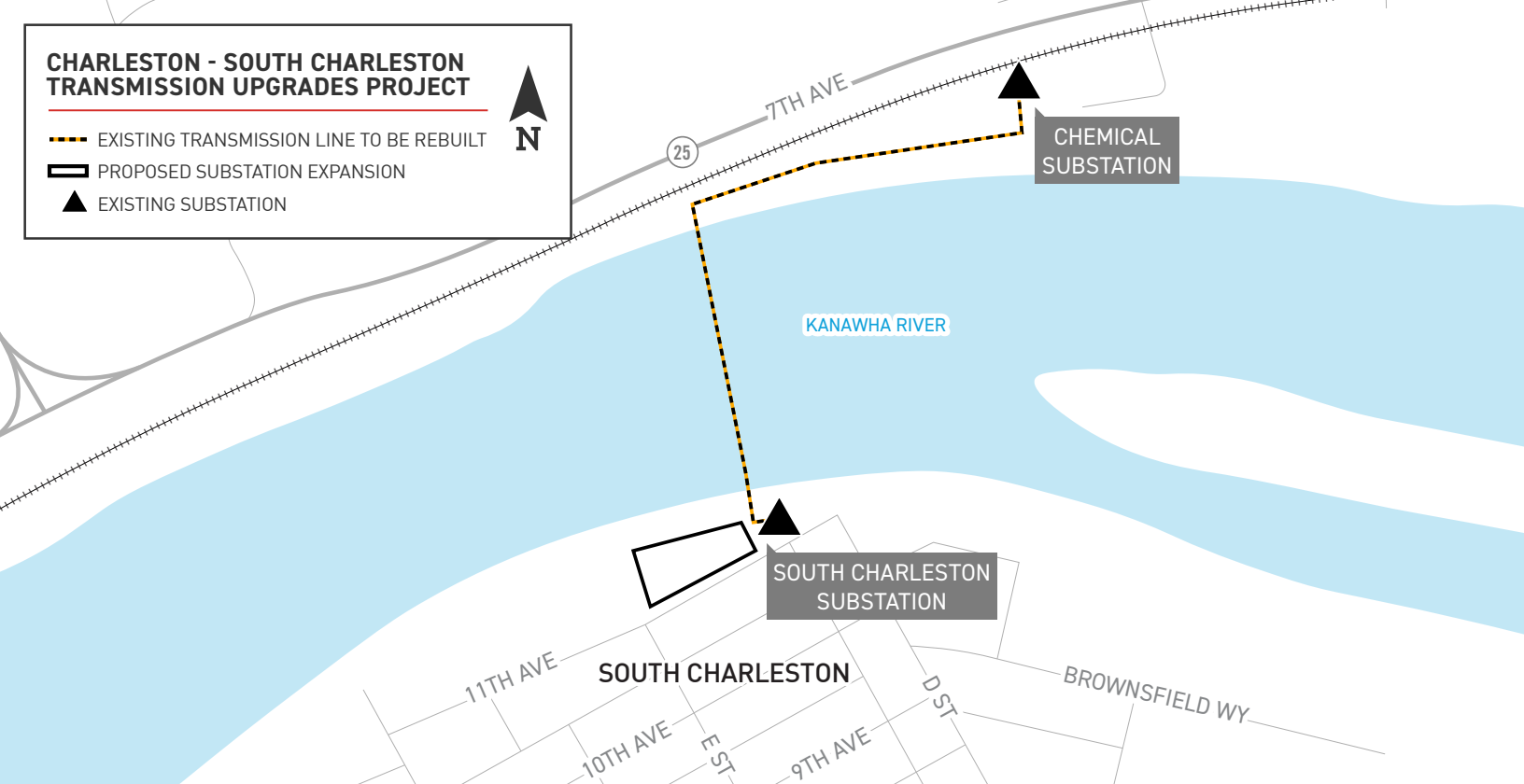
PROJECT SCHEDULE



*Timeline subject to change.

CHARLESTON - SOUTH CHARLESTON TRANSMISSION UPGRADES PROJECT

- EXISTING TRANSMISSION LINE TO BE REBUILT
- PROPOSED SUBSTATION EXPANSION
- EXISTING SUBSTATION

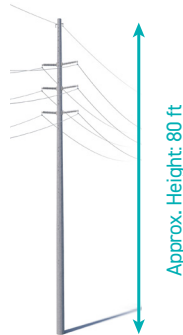


TYPICAL STRUCTURES

Crews plan to rebuild the power line using single steel poles.

At Appalachian Power, we are committed to meeting the energy needs of customers while protecting the environment and natural beauty of the region.

*Exact structure, height and right-of-way requirements may vary



SUBSTATION EXPANSION

Plans include demolishing the Standard Laboratories building (former FMC office, shown below) building and expanding the existing South Charleston Substation to the southwest approximately 360 feet. The expansion will include a enclosed gravel yard with a chain link fence. Equipment inside the fence will be approximately 40-60 feet tall.

EXISTING SUBSTATION



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

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