

Abingdon & Washington County Area Improvements Project



Appalachian Power plans to address the need for a stronger and more reliable transmission grid in southwest Virginia by upgrading the electric infrastructure.

The proposed Abingdon and Washington County Area Improvements Project includes approximately 11 miles of new transmission line and a new substation to provide the area with continued reliable service.

Construction is expected to start in 2017. Estimated budget for the project is \$50 million.



What

Major components of the Abingdon and Washington County Area Improvements Project include:

- Approximately 11 miles of new transmission line
- A new substation
- Upgrading six existing substations to support local distribution.

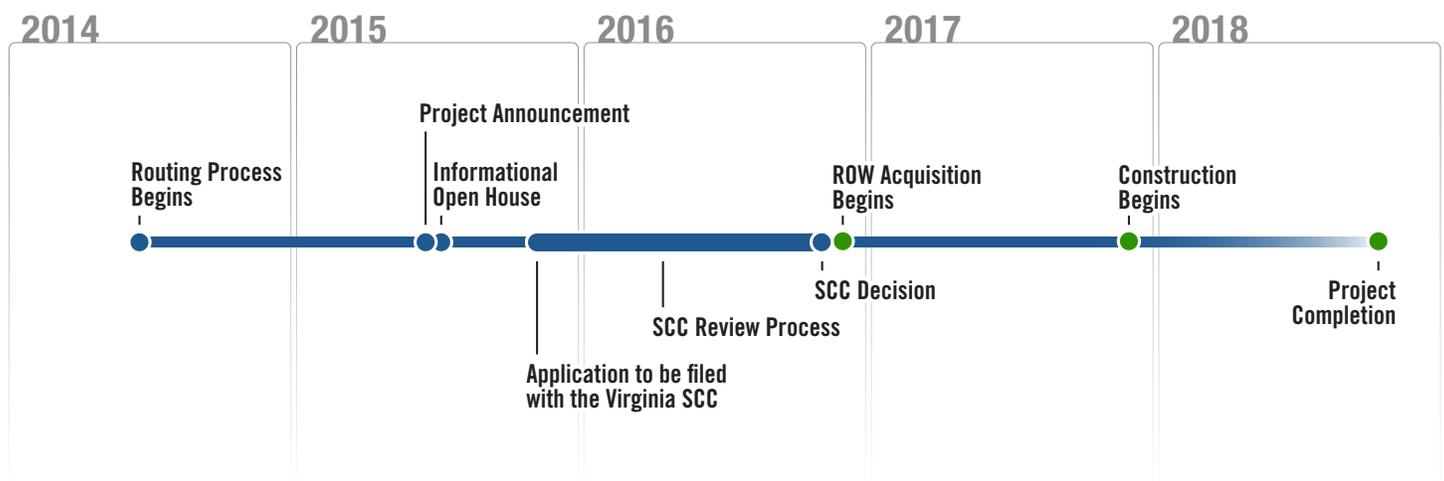
Why

Appalachian Power identified the need to address electric load concerns during the 2013 severe winter weather “polar vortex”. When weather temperatures are extreme, local reliability decreases. Upgrading existing facilities and building new ones will provide a stable network capable of reducing the possibility of major power outages. The improvements will also provide Abingdon and Washington County with a robust electric grid capable of handling continued growth in the area.

Where

The proposed transmission line would originate from an existing Appalachian Power transmission line on the west side of Abingdon. From there, preliminary routes run south out of Abingdon across I-81 into Washington County before turning southeast to a new, five-acre substation along Vances Mill Road. Proposed routes continue east from the new substation to an end point at Arrowhead Substation just east of Job Stuart Highway.

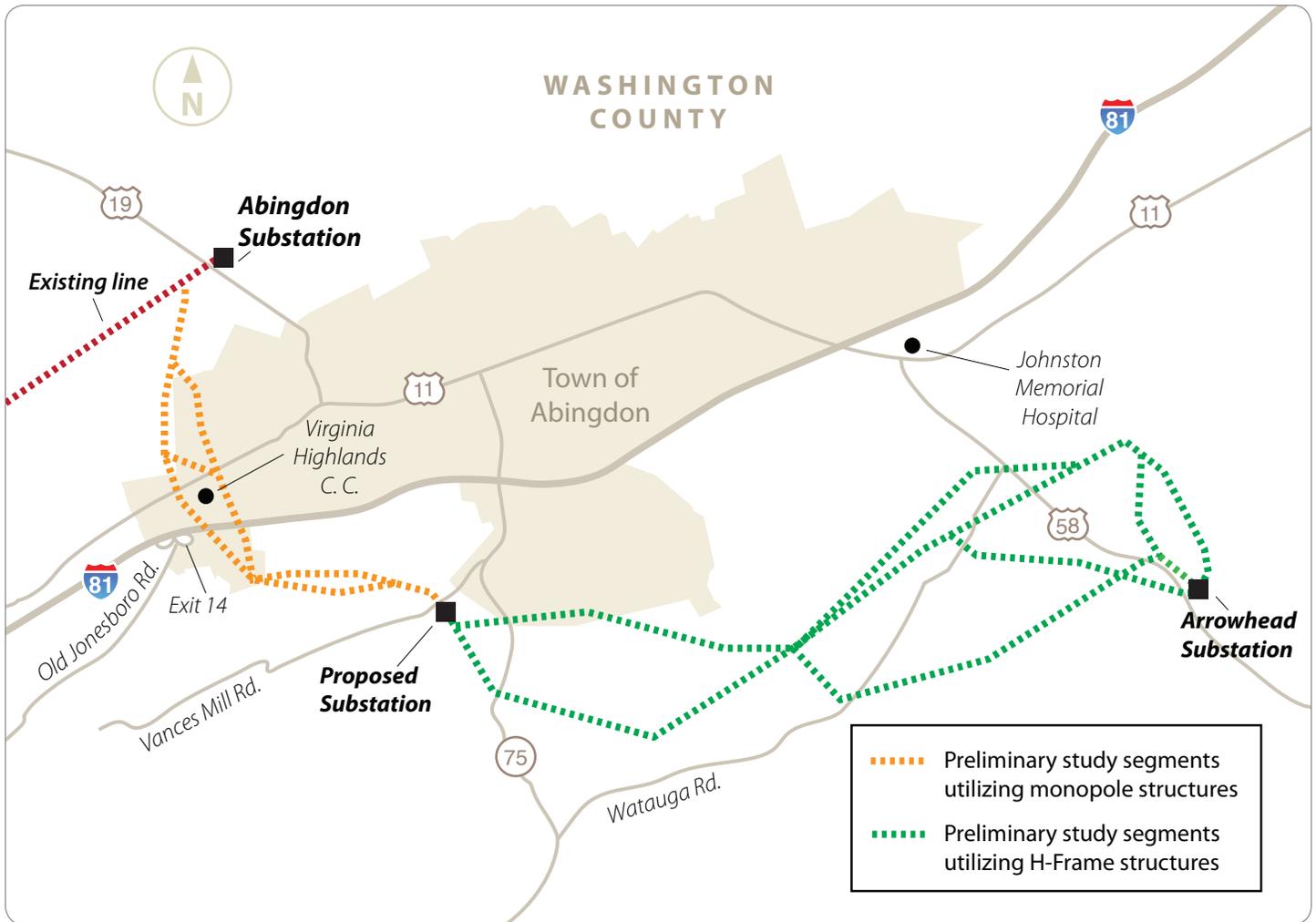
Timeline



* Timeline is approximate.

* SCC is Virginia State Corporation Commission

This color represents milestones based upon approval from SCC



Typical structure

Structures along the route will be about 95-feet tall. The typical right-of-way will be 100-feet wide.

Appalachian Power is committed to carefully balancing the energy needs of homes and businesses while protecting the environment and natural beauty of the region.

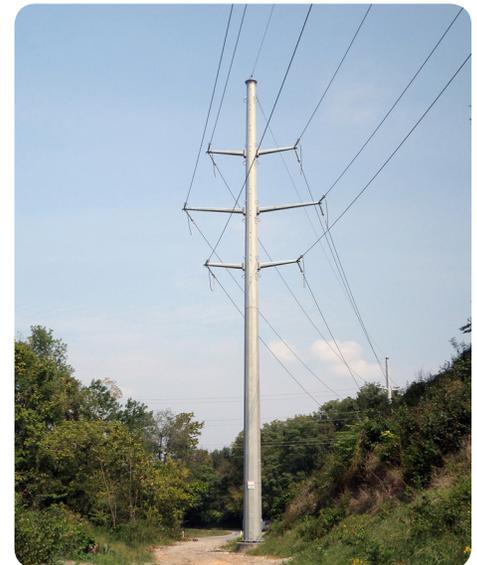
*Exact structure and height may vary from in the photograph.

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H-Frame



Monopole

If you have questions or need more information visit the project website at AppalachianPower.com/Abingdon