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Berry Hill Energy Connection Project



Southern Virginia Mega Site at Berry Hill



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Project Overview

WHAT

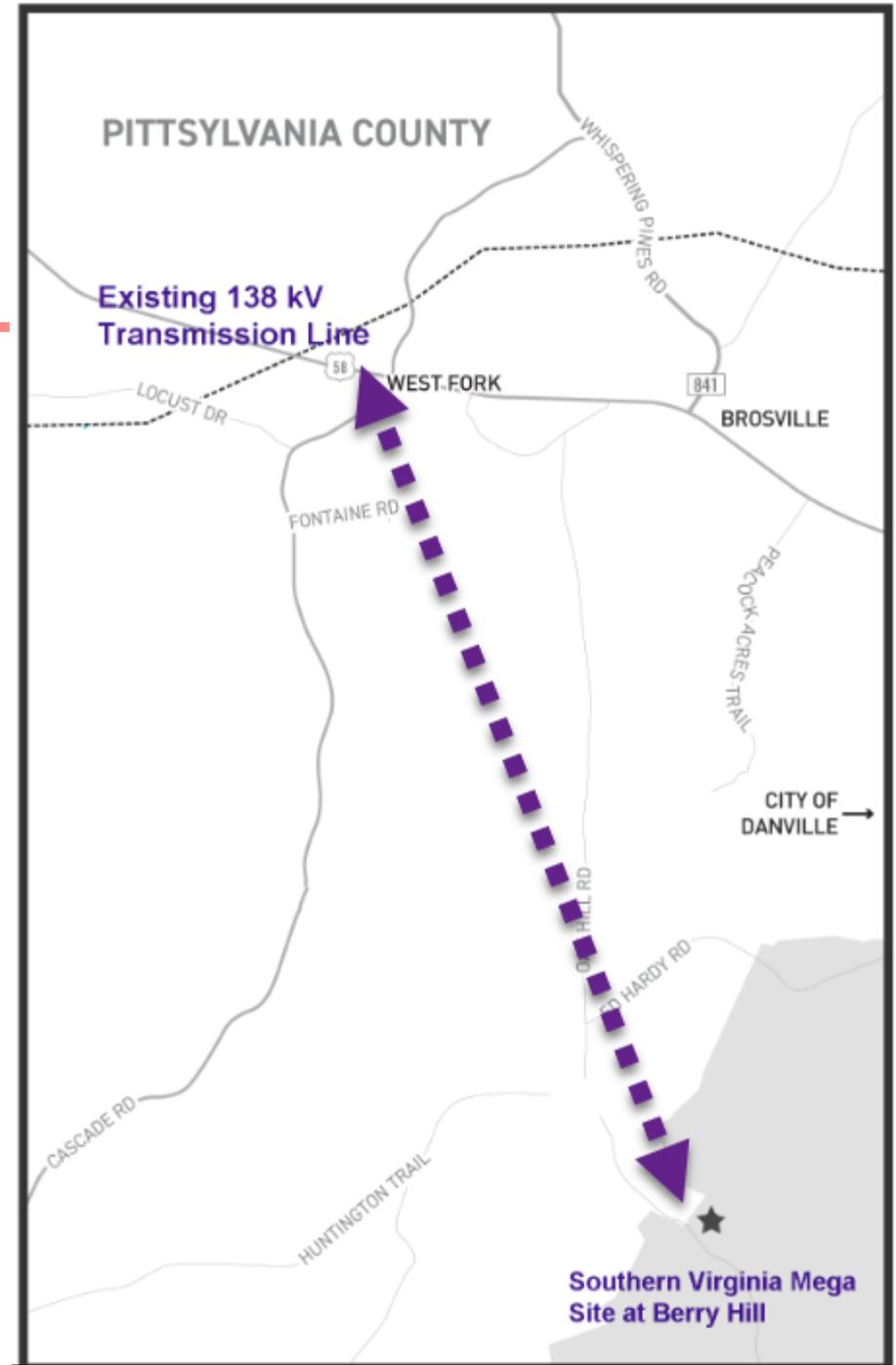
An approximate 5-mile 138 kV transmission line and new substation.

WHY

The Project will supply power to the Southern Virginia Mega Site at Berry Hill industrial park near Danville. A robust power source at the industrial park increases electric service reliability in the area while supporting continued business development.

WHERE

Plans include building the proposed substation inside the industrial park. Preliminary study segments for the proposed transmission line begin inside the industrial park and travel northwest across Pittsylvania County. The study segments travel in various directions toward U.S. Route 58 before connecting with an existing Appalachian Power transmission line.



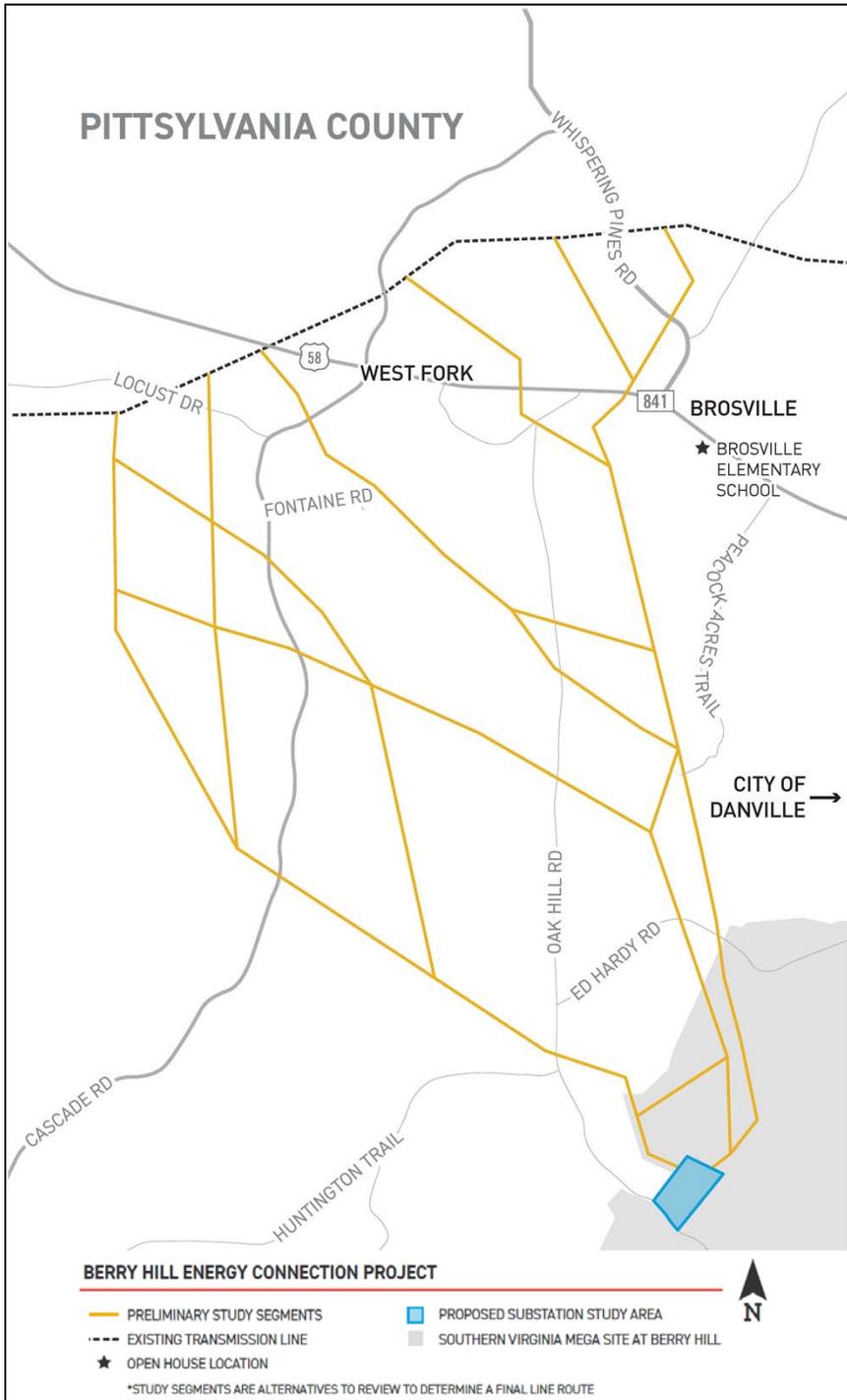
Study Segments

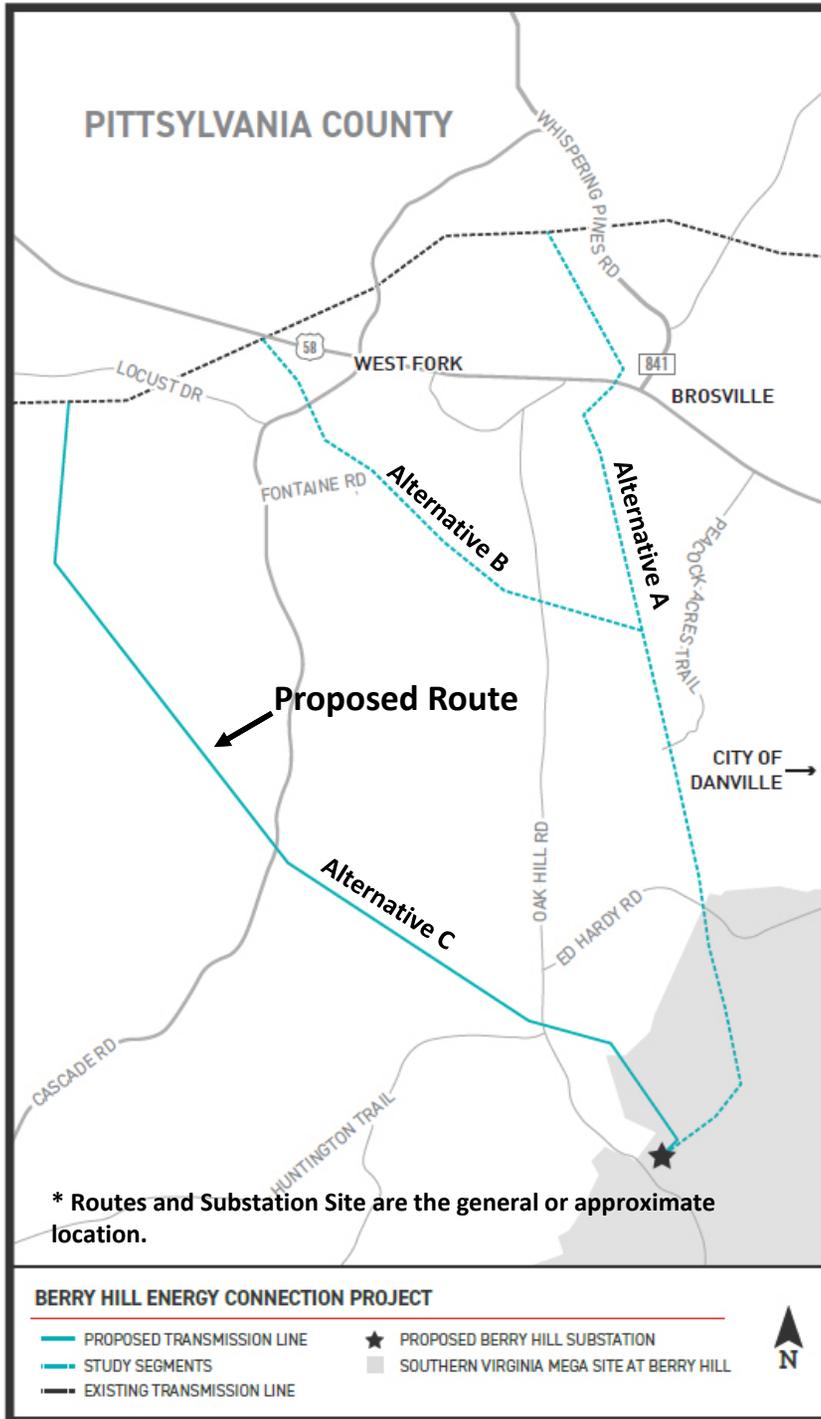
Objectives

- Avoid or minimize impacts on human, visual and natural resources
- Meet the overall project objective to provide a robust power source to the park.

Methods

- Extensive coordination with the County
- Mapped publicly available data from federal, state, and local sources
- Field reconnaissance
- Held a public open house on Jan. 9, 2019 (Brosville Elementary School)
 - 116 landowners invited.
 - 30 attended.
- Met with numerous landowners





Alternative Routes

- Refined study segments into three alternative routes
- Analyzed and compared the alternative routes

Proposed Route (Alternative C)

- Minimizes overall impacts
- Fewer nearby residences
- Fewer land use conflicts (the study area becomes more developed eastward toward Danville).
- Positive public & stakeholder input
- Fewer constructability issues (e.g., access, fewer structure angles)



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- Shown on the mapping is the Proposed Route centerline. The Company needs a 500-foot Corridor **in which a 100-foot Right-of-way (ROW)** will be located. The Company needs the flexibility to shift the centerline of the 100-foot ROW for the transmission line up to 200 feet in either direction from the centerline shown as necessary to address issues that become evident only after completion of ground surveys, environmental studies, additional interviews with landowners and final engineering. Nonetheless, the Company believes the centerline shown is the most suitable alignment based upon preliminary analysis. The Company has provided notice to potentially affected landowners within the 500-foot corridor.



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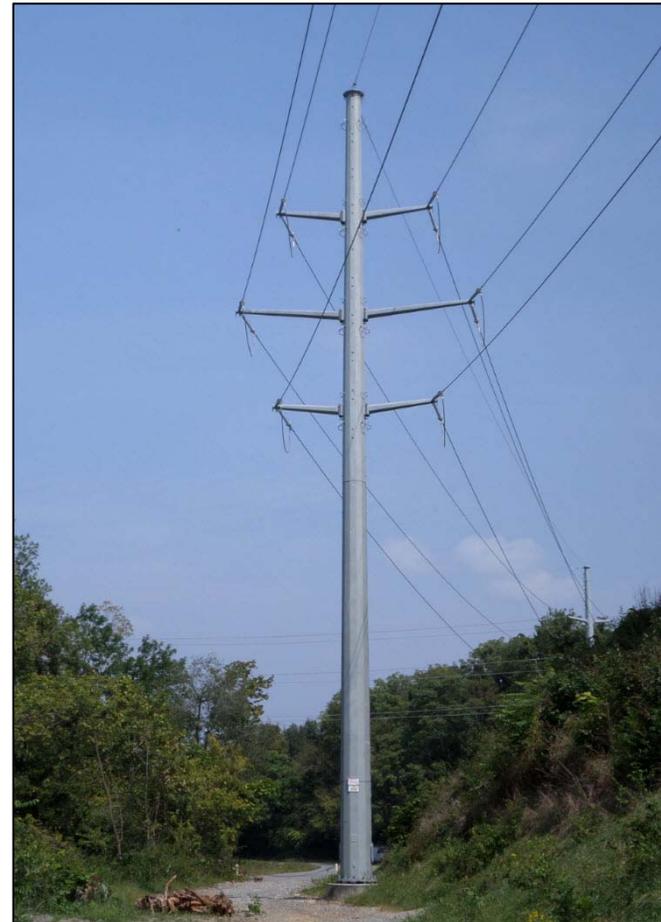
Proposed Structures

TYPICAL STRUCTURES

Construction involves the use of galvanized steel, double-circuit monopole structures.

Structure Height: **Approximately 100 feet**

Right-of-Way Width: **Approximately 100 feet**





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Proposed Substation

- Gravel fenced area: Approximately 270' x 330'
- Height of bays: Approximately 50' tall

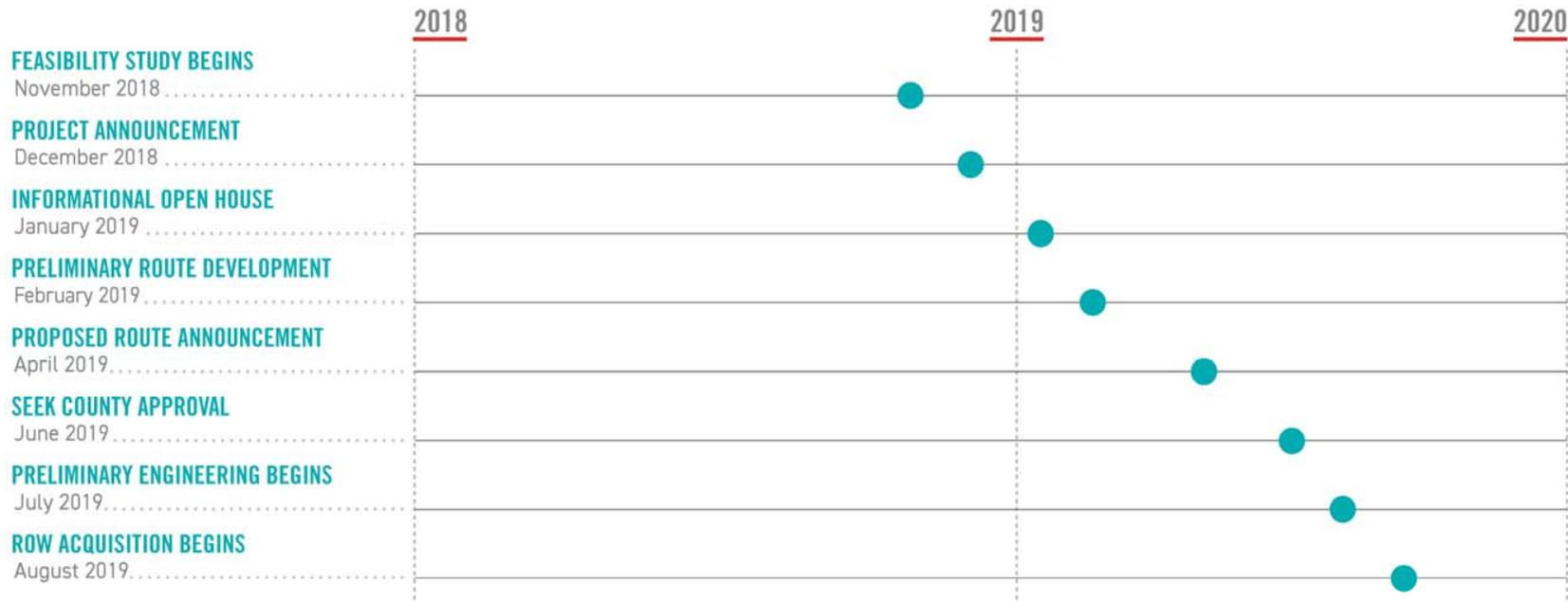


BERRY HILL

ENERGY CONNECTION PROJECT



[PROJECT SCHEDULE]



*Timeline subject to change.



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Request

Pursuant to Va. Code §15.2-2232, Appalachian Power seeks a determination by the Pittsylvania County Planning Commission that the general or approximate location, character and extent of the proposed Berry Hill Substation and the associated transmission line tap are substantially in accord with the County's adopted comprehensive plan.

Later on July 16th, Pursuant to the Board of Supervisors recommendation on March 12, 2019 (Pittsylvania County Board of Supervisors Work Session), following completion of a public hearing, Appalachian Power will seek approval of the proposed transmission line and substation from the Pittsylvania County Board of Supervisors.