

Manilla Ridge Transmission Project

Appalachian Power Company (APCo) is building new transmission infrastructure in Putnam and Mason counties to support increasing electricity demand in the region, including the electric needs of Google's planned data center campus in Buffalo, West Virginia. Google is paying for the electrical infrastructure its facility requires. The new facilities will also help strengthen the regional grid. Construction begins in early 2028 and concludes by mid-2029.

What

The project includes:

- Building the 765-kilovolt (kV) Manilla Ridge Substation.
- Building two parallel, 4-mile 765-kV transmission lines.
- Filing an application with the West Virginia Public Service Commission (PSC).

Community input will help determine the proposed transmission line routes.

Why

The project:

- Supports increasing electricity demand in the region.
- Provides electric service for Google's planned data center campus in Buffalo, West Virginia.
- Strengthens the regional electric grid, improving reliability and reducing the likelihood and duration of sustained outages in nearby communities.

Where

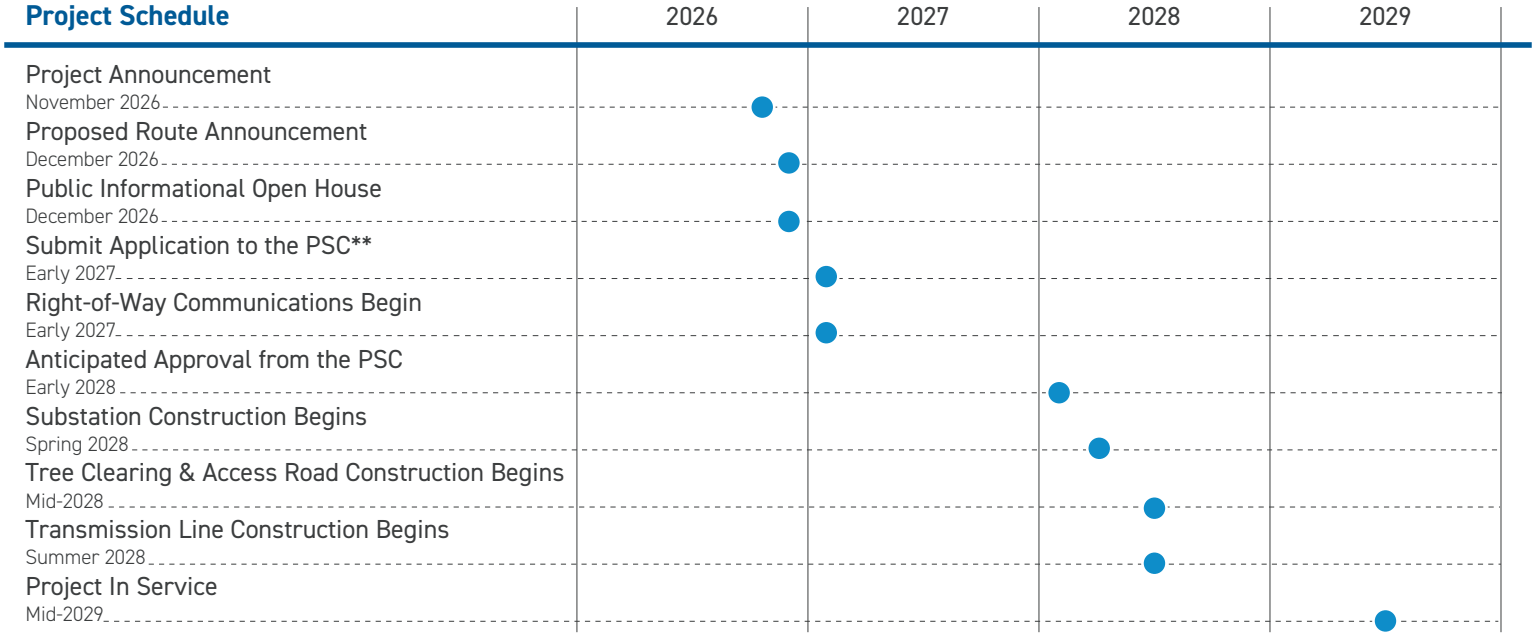
Work associated with the project takes place in Putnam and Mason counties in West Virginia and will connect to an existing transmission line north of Buffalo.

How customers are protected

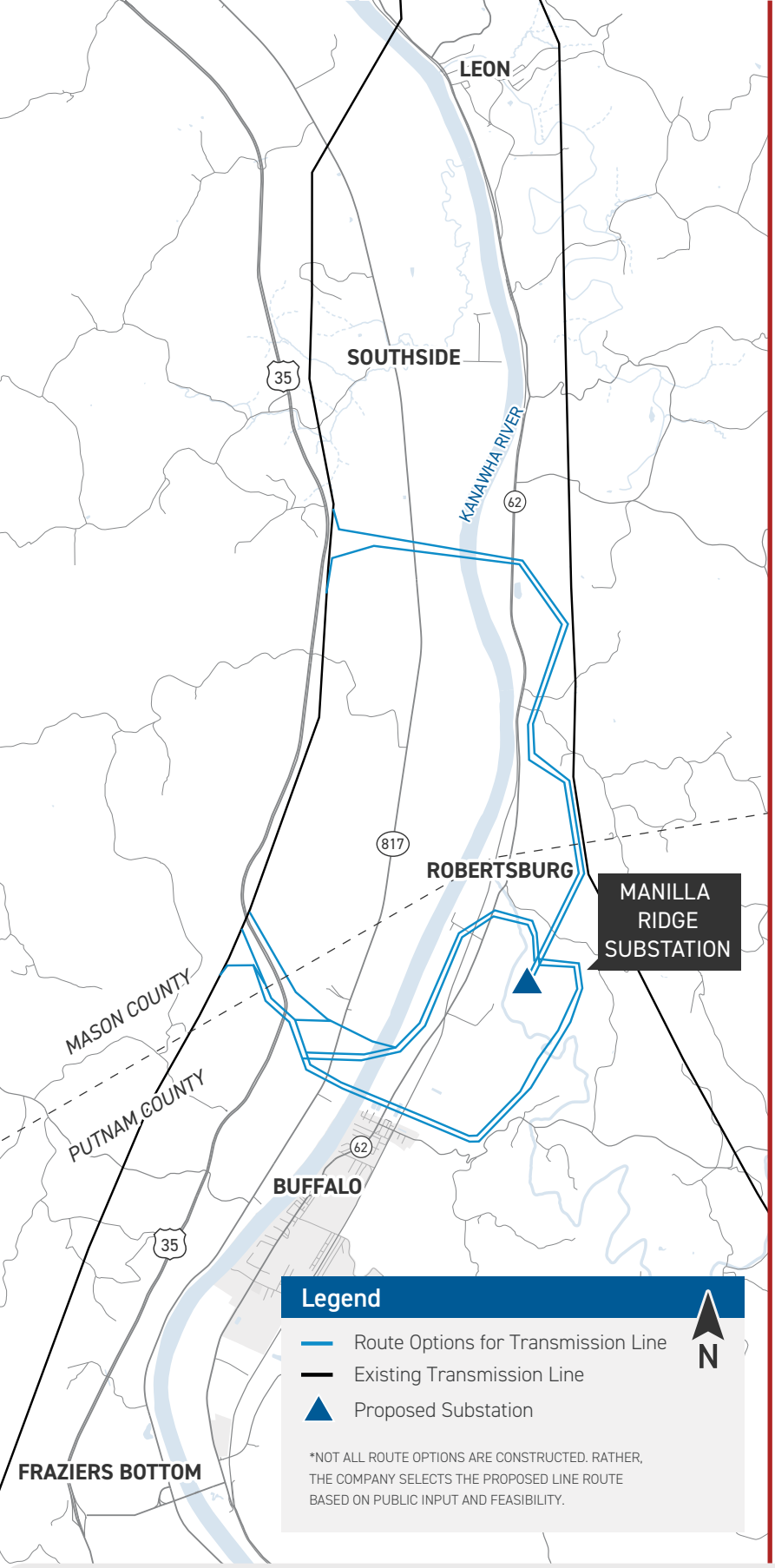
APCo connects large energy users in a way that supports economic growth while protecting current customers.

- Google pays for the substation and transmission lines needed to serve its facility.
- Large energy users must sign long-term contracts under APCo's West Virginia tariff, helping protect other customers from the cost of serving them.
- APCo will connect a large-load customer only if it can reliably serve new and existing customers.
- The PSC reviews and approves the project.

Project Schedule



***The Public Service Commission of West Virginia* **Timeline subject to change.*

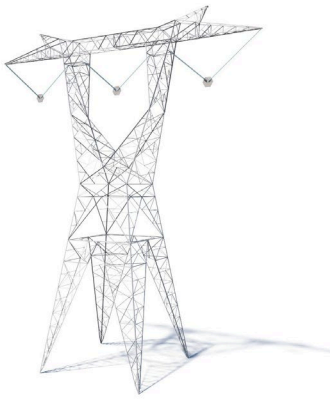


Typical Structures

Crews plan to use lattice towers to construct the proposed transmission lines.**

Proposed Structure Height:
Approximately 150 feet*—Structures constructed near the Kanawha River are expected to be taller

Proposed Right-of-Way Width:
Typically 200 feet*



**Exact structure, height and right-of-way requirements may vary.*
***Dependent on FAA determination and final design, spans and structures may require marker balls and/or lighting.*

Typical 765-kV Substation



Substation shown is a general depiction of the proposed facilities or the project. It does not represent final design.

We value your input. Please send comments and questions to:
Micaela Harris • Project Outreach Specialist
APCO_Outreach@aeptransmission.com • 833-236-7697

AppalachianPower.com/ManillaRidge

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