



A major step toward continued grid reliability and regional growth.

Joshua Falls to Yeat Project

A 765 kV Valley Link Electric Transmission Line Project

Meeting Historic Demand and Delivering Reliable Power

Virginia is experiencing the fastest growth in electricity demand since the post-World War II boom. To meet that demand we need new electric transmission infrastructure to maintain a strong economy and continue fueling progress across the region. Building new, higher-voltage transmission lines allows us to deliver electricity safely and efficiently, in all areas, for all customers, where it's needed most. According to the Joint Legislative Audit and Review Commission, by 2035 we'll need twice as much power as we need today. As our power needs grow, our grid must adapt, necessitating the construction of new electric transmission lines to deliver reliable and efficient energy.

Valley Link Transmission Company, LLC—a joint venture between Dominion Energy, FirstEnergy Transmission and Transource (jointly owned by American Electric Power and Evergy)—submitted a plan to develop a new 765 kV electric transmission line, proposing a 115-mile route connecting a substation in Campbell County, Virginia, to a proposed new substation in Culpeper County, Virginia. PJM approved the Valley Link Electric Transmission Line Projects in February 2025.

The Joshua Falls Substation is now planned to be relocated a short distance from its current location in Campbell County. Appalachian Power, the owner of the facility, will coordinate with the regional grid operator, and seek approval for this move from Campbell County and the Virginia State Corporation Commission separate from the Valley Link Transmission project.

This new electric transmission line will strengthen our grid and provide a reliable backbone to support economic growth for the benefit of communities across the region.

Reliable energy is the foundation of our economy, powering businesses, innovation and essential community services. The Joshua Falls to Yeat Project plays a key role in maintaining long-term competitiveness and reliability. It uses extra-high-voltage 765 kV lines to efficiently deliver large amounts of electricity over long distances. These lines are supported by transmission structures typically ranging from 150-175 feet tall.

Project Overview

- Constructing a new 765 kV electric transmission line between Campbell County and Culpeper County, Virginia.
- Approximately 115 miles of new extra-high-voltage electric transmission infrastructure.
- Includes construction of a proposed 765 kV Yeat Substation in Culpeper County.*
- Designed to strengthen grid reliability and support growing electricity demand across Virginia and the broader PJM region.

*Yeat Substation in Culpeper County is Pending PJM Electrical Approval.

Key Benefits:



Enhances electric service reliability for customers



Drives regional economic growth



Stimulates local economy

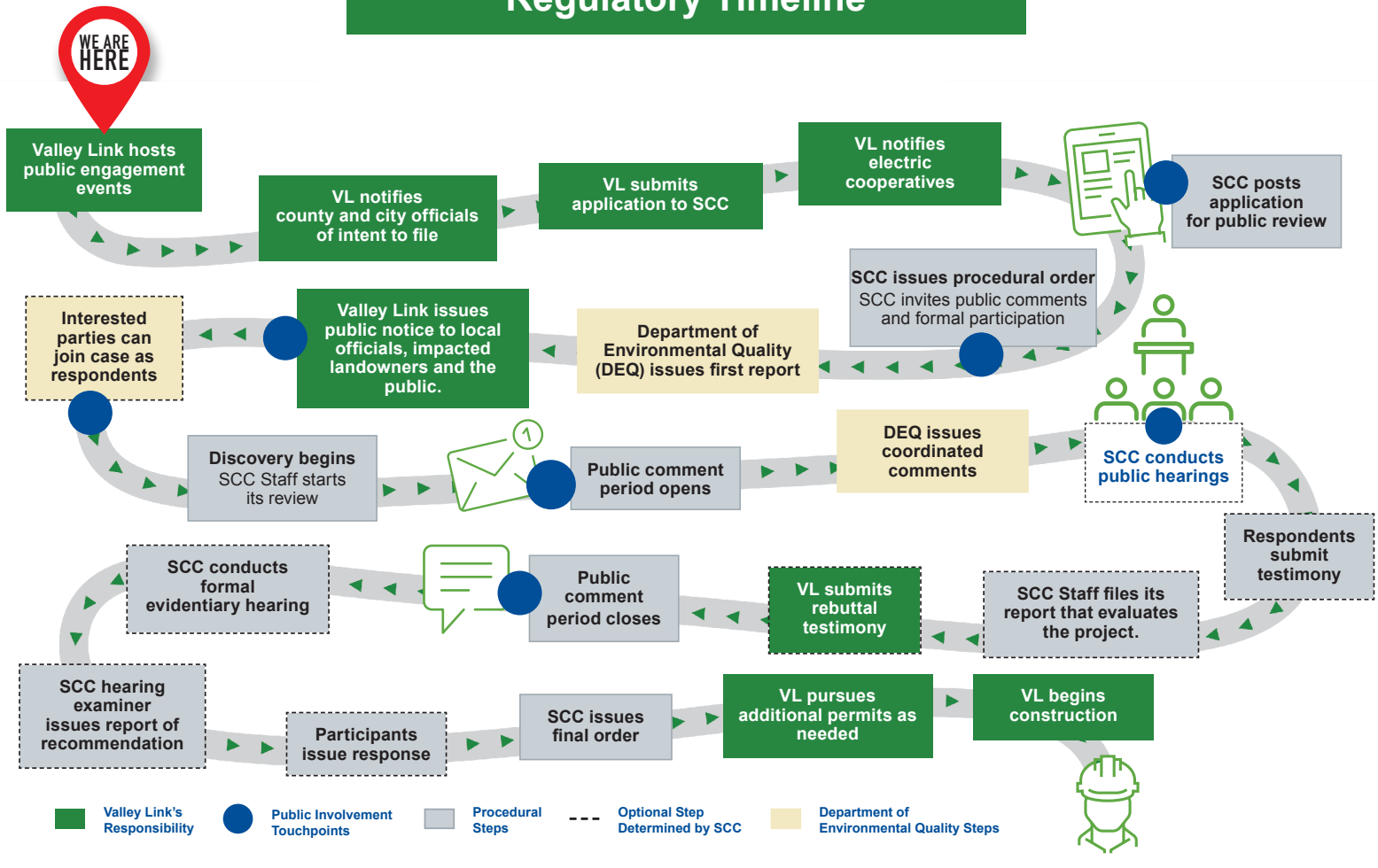
Questions? Contact us.

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Looking Ahead

- Valley Link will be engaging residents, local governments and other stakeholders to identify transmission route options to submit to the Virginia State Corporation Commission (SCC).
- The companies, in collaboration with their partners, will continue to identify and evaluate potential impacts to environmental, cultural and historic resources as well as any threatened and endangered species.
- Transmission routes will be refined based on public input gathered through stakeholder meetings, public open houses and landowner engagement. Representatives from Valley Link will provide regular updates and transparent communication, ensuring that community members are well-informed throughout the process.
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- This project requires local, state and federal permits, including approval from the SCC.

Regulatory Timeline



A JOINT VENTURE OF

