

Joshua Falls to Yeat 765 kV Electric Transmission Project

A major step to continued grid reliability and regional growth.



Power demand in Virginia is growing at an unprecedented pace, driven by the rapid expansion of data centers, the rise of emerging technologies like AI, and the electrification of transportation and heating. As Virginia's energy landscape evolves, additional electric transmission facilities and technologies are critical for ensuring reliable electric service, maintaining affordability for customers and meeting future energy needs. To ensure we can reliably meet these evolving changes, Valley Link Transmission Company LLC ("Valley Link"), a collaboration between Dominion Energy, American Electric Power Company and First Energy, is proposing the Joshua Falls to Yeat 765 kV Electric Transmission Project. Projects like these also support new generation resources, including emerging technologies such as renewable energy, battery storage and small modular reactors (SMRs). Here are some key facts about the project.

Project Benefits



Ensures reliable power 24 hours a day, 7 days a week for future generations.



Strengthens an "all of the above" power generation mix.



Fosters innovation in new energy technologies.



Drives regional economic growth.

Background: 2024 PJM Open Window

- PJM is the regional transmission organization that coordinates the movement of wholesale electricity in all of parts of 13 states, including Virginia.
- PJM's open window process solicits proposals aimed at enhancing the reliability of the transmission grid.
- During the 2024 open window, PJM reviewed multiple proposals from several transmission developers, including Valley Link.
- After a lengthy review process, the PJM Board of Managers selected Valley Link's proposed 765 kV electric transmission projects, among other projects.

Critical Project

The proposed Joshua Falls to Yeat project is a 765 kV electric transmission project that remains in the early stages of development. The project includes:

- ~155 miles of a new 765-kV transmission line.
- An expanded substation near Lynchburg in Campbell County.
- Valley Link will also own a new 500 kV substation in Caroline County connected with a different project.

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.
- The companies, in collaboration with their partners, will also be conducting surveys to identify environmental, cultural and historic resources as well as any threatened and endangered species.
- 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.



All proposals remain in the early stages of development.



New transmission facilities will require local and state permits and approvals.



Conceptual routes will be refined based on community input.



All projects will comply with local, state and federal regulations.

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Questions & Answers

How does PJM ensure the reliability of the electric grid?

PJM ensures the reliability of the electric grid through continuous monitoring and coordination of the high-voltage transmission network. It conducts detailed planning studies to identify potential reliability issues and selects and implements solutions to address them. PJM also operates a real-time control center that monitors grid conditions 24/7, ensuring that electricity supply meets demand and that the grid remains stable and secure.

Will the public be involved in the permitting and approval process?

Yes. We are committed to engaging with communities every step of the way as the projects are developed. Extensive outreach with residents, local governments and other stakeholders will help inform project decisions, including how best to avoid or minimize potential impacts. There will also be numerous opportunities for public participation in the permitting and approval process.

What does the Virginia State Corporation Commission (SCC) process entail?

The SCC is the regulatory body with jurisdiction over transmission lines. Given that the Joshua Falls to Yeat project involves new 765-kV infrastructure, it will be subject to SCC review. The SCC will validate the need for the project and approve a final route and related structures. Virginia law requires it to consider whether various potential impacts have been reasonably minimized.

Valley Link intends to file an application with the SCC in mid-to-late 2026. The SCC will then publish a procedural schedule, including additional opportunities for public input. More complex proceedings can take up to 12-24 months. It is important to note that although the SCC is the primary agency reviewing and ultimately approving the project, there will be additional permits needed from local, state, and federal agencies.

Where will the substations be located for the Joshua Falls to Yeat Project?

Valley Link is proposing to:

- Expand the Joshua Falls Substation outside of Lynchburg in Campbell County;
- Construct a new Yeat Substation in Fauquier County;
- Route to a future proposed Dominion Energy Vontay Substation.

Anticipated Schedule

- **Q2 2025 - Q3 2026**
Collaboration with counties
- **Q3 2025 - Q3 2026**
Public outreach and engagement
- **Q3 2025**
Project announced, open house planning
- **Q4 2025**
In-person community meetings
- **Q1 2026**
Second round of in-person community meetings
- **MID-TO-LATE 2026**
Project filed with SCC

Additional Questions

Dominion Energy is committed to working with the communities we serve to ensure a safe, reliable, affordable and increasingly clean energy future. If you have any questions or comments, please contact:

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