

PJM Open Window Transmission Projects



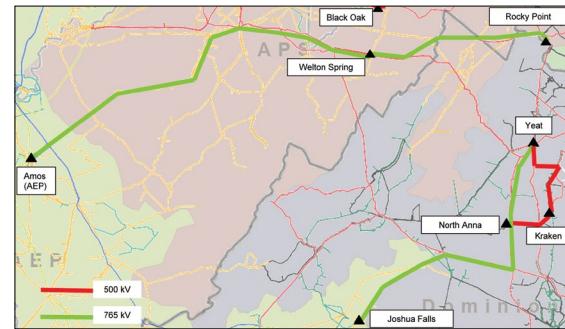
On February 27, 2025, the PJM Board of Managers approved the final set of transmission projects that were first proposed during PJM's recent open window process. As Virginia's energy landscape evolves, these projects are critical for ensuring reliable electric service, maintaining affordability for customers and meeting future energy needs. Additionally, they will support new generation resources, including emerging technologies such as small modular reactors (SMRs). With this milestone now achieved, here is what you need to know about the approved projects and the next steps in the process.

2024 PJM Open Window

- During PJM's open window process, companies like Dominion Energy can submit proposals aimed at enhancing the reliability of the transmission grid, ensuring customers have consistent and dependable access to power 24 hours a day, 7 days a week.
- PJM's most recent window opened on July 15, 2024, and closed on September 17, 2024. The final set of projects were approved by the PJM Board on February 27, 2025.
- Of the approved projects, Dominion Energy had a new 500kV and ten 230kV projects selected. These projects are located across Virginia, and the 230kV projects primarily involve rebuilding or utilizing existing transmission lines to meet the growing energy demands.
- Additionally, PJM selected several projects that will be jointly developed by Dominion Energy, American Electric Power Company (through Transource Energy) and FirstEnergy. They include new 765kV transmission lines that will enhance grid reliability across multiple states within the PJM footprint.
- The approved projects are currently in the early stages of development.

Next Steps

- Over the next several months and years, Dominion Energy will be engaging residents, local governments and other stakeholders to identify transmission route options.
- The company, in collaboration with its partners, will also be conducting surveys to determine the locations of important environmental, cultural and historic resources as well as threatened and endangered species.
- To ensure everyone has the opportunity to provide input, Dominion Energy plans to host stakeholder meetings and public open houses to gather feedback, refining the routes as a result.
- As projects move forward, Dominion Energy will provide regular updates and transparent communication, ensuring that community members are well-informed throughout the entire process.
- Once routes are identified and refined, Dominion Energy will work to obtain all necessary local, state, and federal permits, as well as approval from the Virginia State Corporation Commission to ensure all aspects are carefully considered and meet all regulatory and community requirements.



Joint Proposal and Dominion Energy Proposed Projects

Approved projects include 230kV, 500kV and 765kV transmission lines to meet the growing power demand in the PJM region, driven by energy-intensive industries, manufacturing onshoring, and transportation electrification.



All proposals remain in the early stages of development



New transmission routes will require local and state permits and approvals



Conceptual routes within selected proposals will be refined based on community input



All projects will comply with local, state and federal regulations, including environmental and safety standards



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.

How many Dominion Energy projects were approved by PJM?

Of the transmission solutions proposed by Dominion Energy, 13 projects were selected to move forward by PJM.

- New 765 kV transmission line from Joshua Falls substation to Yeat substation. This includes expanding the Joshua Falls substation in Campbell County and developing a new substation, Yeat, in Fauquier County.
- New 765 kV transmission line from Putnam County, West Virginia, to Frederick County, Maryland, which will cross Frederick, Clarke and Loudoun counties.
- New 500 kV transmission line from North Anna Power Station in Louisa County to a newly developed substation in Caroline County, then up through King George, Stafford and connecting to the new Yeat substation in Fauquier.
- Ten 230 kV transmission line projects, mainly in existing rights of way, in various parts of Virginia.

Why are the projects needed?

Power demand in Virginia is growing at an unprecedented pace due to the growth of data centers and manufacturing, and the electrification of transportation and heating. At the same time, the region's power generation mix is changing as older generation is retired and more renewables and potentially SMRs are added to the grid. New "backbone" transmission infrastructure is needed to reliably serve the growing needs of all our customers. These projects will also support economic development and an "all of the above" power generation mix, including renewables and potentially SMRs.

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.

Timeline

- JULY 2024
Start of PJM Open Window
- SEPTEMBER 2024
PJM Open Window Closes
- OCTOBER 3, 2024
Transmission Project Proposals Published
- OCTOBER 8, 2024
Transmission Expansion Advisory Committee (TEAC) Meeting to Review Proposals
- DECEMBER 3, 2024
TEAC Initial Project Recommendations
- JANUARY 2025
TEAC Final Project Selection
- FEBRUARY 2025
PJM Board Approval of Selected Projects
- BEGINS Q2 2025
Evaluation Period
- BEGINS Q3 2025
Community Engagement
- FUTURE
Permitting, Regulatory Approvals and Construction

Additional Questions

At Dominion Energy, we are 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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