

## **North Carolina Transmission Planning Collaborative**

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### **Collaborative Transmission Plan identifies 16 major reliability projects**

**RALEIGH, N.C.** -- Participants in the North Carolina Transmission Planning Collaborative (NCTPC), made up of representatives from the state's electric utilities, have identified 16 major projects that will improve North Carolina's electric transmission infrastructure as part of the 2021-2031 Collaborative Transmission Plan ("2021 Plan"). The projects represent more than \$694 million in investments during the next decade.

The major transmission projects identified in the 2021 Plan are expected to be implemented during the next 10 years by the transmission owners to preserve system reliability and resiliency, support the growth of cleaner energy options, and improve economic electricity transfers across the transmission network. Major projects are defined as those requiring transmission investments of more than \$10 million.

The 2021 Plan report can be viewed on the NCTPC website under the Reference Documents section at [nctpc.org/nctpc/home.jsp](https://nctpc.org/nctpc/home.jsp).

The 2021 Plan includes three new Duke Energy Carolinas projects. Appendices B and C in the 2021 Plan report contain the specific details on each of the 16 major reliability projects identified in the Plan.

In-service dates and cost estimates for some 2021 projects that are planned or underway have been revised from the previous plan report.

The NCTPC was formed in 2005 to develop a shared plan for electric transmission system enhancements in the state. Participants include Duke Energy Carolinas, Duke Energy Progress, ElectriCities of North Carolina, which serves public power communities across the state, and the North Carolina Electric Membership Corporation (NCEMC), which serves as the power supplier for most of the state's electric cooperatives.

Since its inception in 2005, transmission projects totaling more than \$2.123 billion have been identified in the NCTPC plans. More than \$1.13 billion in projects have been placed in service through the end of 2021, \$664 million are still in the planning stage and another \$329 million were deferred until after 2031 or cancelled as a result of changing transmission system requirements. The plan is updated annually.

The NCTPC was established to provide participants and other stakeholders an opportunity to participate in the electric transmission planning process for North Carolina and develop a single coordinated transmission plan that includes reliability and local economic study transmission planning considerations. The group's priority is to appropriately balance costs, benefits and risks associated with the use of transmission and generation resources.

Another goal of the NCTPC is to study the strength of North Carolina's transmission infrastructure. The scope of the 2021 NCTPC study included a base reliability analysis for transmission needs to meet load growth between 2021 and 2031. For a variety of reasons, such as load growth, generation retirements, or power purchase agreements expiring, some load-serving entities (LSE) may wish to evaluate other resource supply options to meet future load demand. These resource supply options can be either in the form of transactions or some hypothetical generators added to meet resource adequacy requirements for this study.

In 2021, the NCTPC also examined a Public Policy Study scenario, which looked at scenarios like accelerated retirement of coal generation and the increase of renewable generation, including the potential addition of Midwest and offshore wind, on the regional electric grid. The analysis of the Public Policy Study is still being performed. The study results are expected to be completed by the end of the first quarter of 2022 and will be published in a separate report.

"The NCTPC provides a valuable function by allowing stakeholders to better understand the electric transmission planning process for North Carolina," said Marty Berland of Electricities of NC, Chairman of the NCTPC Oversight/Steering Committee (OSC). "By offering greater transparency and opportunity to provide input to the process, entities that rely on the transmission system can collaborate to develop plans for future enhancements in a manner that optimizes cost effectiveness and reliability."

The NCTPC process includes active participation of other market participants and stakeholders through a Transmission Advisory Group (TAG), which is open to all interested parties. Stakeholders interested in joining the TAG or receiving information about the NCTPC process can sign up at [nctpc.org/nctpc/home.jsp](https://nctpc.org/nctpc/home.jsp).

During the NCTPC process, an administrative consultant serves as a facilitator who chairs the TAG and solicits input from other stakeholders through the open TAG meetings. Richard Wodyka, the current NCTPC consultant, can be reached at [rich.wodyka@gmail.com](mailto:rich.wodyka@gmail.com). If you have any comments or questions on the NCTPC process or the 2021-2031 Collaborative Transmission Plan Study Report, contact Richard Wodyka via email or phone at 484-431-0335.

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