What is a transmission line? Why does Oncor Electric Delivery need to build them?

Transmission lines are the high voltage conductors that move electricity from power plants to distribution systems, which deliver electricity to your homes and businesses. Ensuring adequate transmission capability is essential for electric reliability. It may help to think of them as "highways" for electricity. In the same way that highways are built to ensure that you and your family get from one place to another, transmission lines are necessary to make sure that electricity gets from where it is produced to where it is consumed.

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Wofford POI to Berryville POD 138 kV Transmission Line Project

For Oncor Electric Delivery Company LLC ("Oncor") to continue to provide safe and reliable electric service in the area, a new transmission line must be constructed between the proposed Wofford Point of Interconnection (POI) and the proposed Berryville Point of Delivery (POD). The proposed Wofford POI will be located approximately 0.8 miles east of Frankston, Texas, and served by an adjacent proposed switching station to be built by Rayburn Country Electric Cooperative. The proposed Berryville POD will be located roughly 0.1 miles west of Lake Palestine and 1.1 miles south of Berryville, Texas, serving an adjacent customer substation. The proposed project would construct a new single-circuit, 138 kV transmission line approximately 2.0 miles in length, if approved by the Public Utility Commission of Texas ("PUCT").

What is the process for approval?

Step 1: Need

The first step in the approval process is determining the need for the project. The need for the project dictates essential facilities and prescribes the type, location, and capacity of the proposed transmission line.

Step 2: Engineering, Routing and Environmental Assessment

- The company, along with its outside consultants, considers a variety of environmental and other important factors when selecting potential routes. The proposed project anticipates the use of a single route transmission line option as the most effective proposal to meet the needs for the project.

Step 3: Review/Approval Process

- After the environmental assessment is complete, Oncor will file an application with the PUC, along with the environmental assessment, requesting a Certificate of Convenience and Necessity ("CCN"). The application will outline specific attributes of the transmission line, describe the need for the transmission line, propose a route for the project, and identify potential impacts on the surrounding community and environment.
- After Oncor files the CCN application with the PUCT, interested parties will have an opportunity to participate in the process and express their views to the PUCT. The PUCT's review and approval process for proposed transmission facilities involves a thorough examination of essential interests, including the views of the public, to ensure that the state's electric system continues to be reliable and provide the necessary support for sustained development and growth.

Step 4: Post-Approval

- If the PUCT approves the project, Oncor will begin surveying properties, conducting
- engineering, and constructing the new facilities.