

Project: Turnkey EPC
Industry: Utility
Location: Dermott, TX
Budget: \$15 Million
Project Duration: Started: May 2021
Ended: December 2022



Wind energy switching station and transmission line, Scurry County TX

Objective:

A wind energy utility client hired Saber to provide all engineering, procurement, construction, testing and commissioning services to install a four bay, nine breaker switching station with an additional 345 kV transmission line tap to feed the adjacent future solar facility.



Saber engineered, procured, constructed, and commissioned a new 345 kV switch station designed to interconnect multiple transmission lines and deliver reliable power from the solar generation facility. Engineering scope included complete substation and transmission line design, civil and structural engineering, protection and control schematics, and testing and commissioning support.

Construction activities included installation of foundations and support structures, structural steel erection, major equipment installation, power and control cable systems, and associated testing. Saber Power also procured all major substation equipment, including 345 kV breakers, switches, structural steel, relay panels, and the control building.

The 345 kV substation was successfully delivered within the planned project timeline, providing a highly reliable breaker-and-a-half configuration with five 345 kV transmission line connections. The substation was designed with additional bay expansion in mind, supporting future system growth while ensuring dependable operation for the connected solar generation facility.

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