



V-Plan

CAPITAL PROJECT PROFILE

The V-Plan is a high-voltage transmission line designed to connect eastern and western Kansas to improve electric reliability and enable energy developers to tap into the transmission grid, further establishing a competitive energy market in the state and region. This project also contributes to a stronger transmission grid, ultimately benefitting the entire region.

PROJECT OVERVIEW

In cooperation with Sunflower Electric Power Corporation and Mid-Kansas Electric Company, ITC Great Plains designed and constructed the V-Plan high-voltage transmission line. The project, totaling approximately 122 miles, features three new 345kV substations and runs from Spearville south to Clark County, then east past Medicine Lodge.



project area

V-PLAN HIGHLIGHTS

Pre-construction activities began following route approval by the Kansas Corporation Commission in July 2011. ITC Great Plains contacted landowners along the line route to obtain Right of Entry Agreements allowing ITC and its contractors access to property for surveys, environmental studies and soil borings. Easement acquisition offers followed based on the results of a market study conducted by a local appraiser on the fair market value of the land subject to the easement. The easement provides ITC the property rights to use a strip of land approximately 200 feet wide for construction, operation and maintenance of the transmission line. Property owners retain ownership and use of the land as agreed. ITC completed acquisition of all the necessary easements in Barber, Clark, Kiowa and Ford counties.

Line construction began in Barber County during the fourth quarter of 2012, proceeded through Kiowa County in 2013 and reached Ford County early in 2014. Work on the Thistle, Clark County and Spearville substations was finished on schedule and the entire V-Plan project was completed and placed in service on December 17, 2014.

KEY DATES & TIMELINE

November 2010 – Preliminary routing established

December 2010 – Local Leadership Summits

January 17-19 2011 – Public Open House events in Dodge City, Medicine Lodge and Greensburg

March 14, 2011 – Route application filed with the Kansas Corporation Commission

April 20, 2011 – KCC public hearing in Greensburg

July 12, 2011 – KCC issues order approving route application with modifications

Summer 2011 – Right-of-way acquisition begins

2012 – Line and substation design

Late 2012 – Construction begins

December 17, 2014 – Project enters into service as scheduled



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FREQUENTLY ASKED QUESTIONS

Q: Why was this line needed?

A. The Southwest Power Pool identified the V-Plan transmission project as needed to bring significant economic and reliability benefits to Kansas and the regional grid. The line provides Kansans and the region with access to more reliable, efficient and affordable electricity. The project alleviates congestion in the grid due to the historical lack of high-voltage transmission lines in western Kansas, helping power flow more efficiently and cost effectively.

Q: What does the line look like?

A. The V-Plan project was built primarily with single tubular steel poles in a double-circuit arrangement (see photo at bottom). Single tubular steel pole structures minimize the impact on land use. The height of the structures vary based on terrain, clearances to the ground, objects under the line and structure spacing, but typically range between 120 and 160 feet. The span lengths between structures are approximately 800 to 1,500 feet, with an average span of 900 feet.

Q: Who paid for the project?

A. As the project benefits the entire region by improving reliability, increasing efficiency and lowering costs, the cost of the project is recovered from all customers in the Southwest Power Pool region which includes Kansas, Oklahoma and portions of Missouri, Nebraska, New Mexico, Louisiana and Texas.

Q: How can I get more information about the V-Plan high-voltage transmission line?

A. You can email us at VPlan@itctransco.com or call 877.ITC.ITC9.

ABOUT ITC GREAT PLAINS

ITC Great Plains, LLC is a transmission-only utility operating in the Southwest Power Pool region. The company currently operates 436 circuit miles of transmission lines in Kansas and Oklahoma. ITC Great Plains maintains regional offices in Topeka, Dodge City and Wichita Kansas; Oklahoma City, Oklahoma and Little Rock, Arkansas. ITC Great Plains is a subsidiary of ITC Grid Development, LLC, a wholly-owned subsidiary of ITC Holdings Corp. (ITC), the nation's largest independent electric transmission company. ITC's focus on transmission and grid development drives operational excellence and delivers superior value for customers, communities and other stakeholders.



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