



your lines. your lights.

your community.



SPRING 2014

### Kansas V-Plan

345 KV TRANSMISSION LINE PROJECT

## A Message from the President Kansas V-Plan Project Update

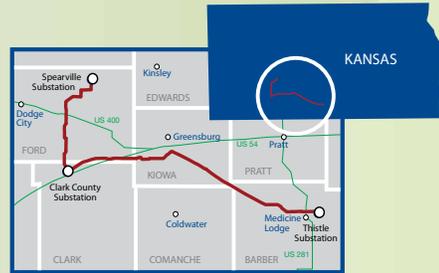
I'm pleased to announce that ITC Great Plains is making steady progress on construction of the Kansas V-Plan electric transmission line project. Thanks to everyone – from landowners to local officials to contractors and suppliers – for making this project run smoothly and efficiently.

The project is moving along quite rapidly. Construction is complete in Barber County, and ITC is in the process of closing several permits and finishing up restoration. This is a visible signal that we have finished construction work in Barber County. We thank Barber County residents for their support and assistance during this phase of the project. Now, line work in Kiowa County is full steam ahead and we've already finished stringing 10 miles of conductor.

As mentioned previously, the V-Plan project has three new substations and two substation upgrades. The Thistle substation east of Medicine Lodge is complete, and we recently began line construction in Ford County. Work on the Clark County substation near Minneola and the Spearville substation is underway.

We are grateful for your patience and cooperation and happily announce that everything remains on track for the V-Plan to enter service late this year!

Kristine M. Schmidt  
President, ITC Great Plains



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## ITC: Committed to the Community

ITC strives to be a good neighbor and support the local communities where we operate. This commitment is a cornerstone of our business and part of our mission to be a best-in-class transmission provider.

### Dodge City Community Trail

Recently, ITC Great Plains presented a \$15,000 donation to Dodge City to fund the creation of a trail that will be an asset to the community as well as an educational opportunity. ITC is proud to continue its partnership with the City of Dodge City and have a the opportunity to contribute to the improvement of the community.



*Kim Goodnight presenting the Dodge City Commission a donation for the community trail.*

### Supporting Education

ITC Great Plains, led by Kristine Schmidt, President, met with Don Woodburn, President of Dodge City Community College, and Danny Gillum, Vice President, Innovation/Workforce Development to discuss ITC's continued partnership with the Dodge City Community College Lineman Program's scholarship fund. Joining Schmidt from ITC were Eric Ivey and Kim Goodnight. ITC also recently renewed its partnership with Pratt and Cloud County Community Colleges for similar lineman scholarship programs.



### Lighting Up Minneola

Last month, ITC Great Plains met with the Mayor, County Commissioner, Councilman and City Clerk in Minneola to present a \$10,000 donation to the city for its LED Community sign. This sign will be a permanent fixture of Minneola and keep community members apprised of exciting events.



*Kim Goodnight, ITC Community Relations Manager, met with Minneola city officials for the check presentation.*

### Kiowa County Honor Roll Banquet

ITC Great Plains recently celebrated with the Kiowa County Schools again this year as a sponsor of their Honor Roll Banquet. The banquet honors success in academic achievement and high school honor roll students are invited to attend, along with their parents. Each student received a backpack, ear buds and a stylus as part of the ITC sponsorship. The Honor Roll Banquet is a long-standing 55-year tradition organized by Greensburg-area alumni of the University of Kansas and Kansas State University.



*Kim Goodnight teaching students and their parents about the importance of transmission.*

### Kansas Forest Service

As part of the statewide Kansas Forest Service poster contest, ITC attended tree planting events in Great Bend, Garden City and Mission. Through an ITC donation, each fifth grade student at the winner's school received a red bud tree and was educated about right tree right place when planting. ■



ITC believes that any transmission proposal for the region needs to be reviewed by a regional transmission organization, such as SPP. The interdependency of the nation's transmission system requires careful analysis of the impacts of adding any new infrastructure to the system. DC lines need to be carefully planned and designed to ensure that the DC lines don't have any unexpected negative impact on the existing AC system. ■

### Getting to Know You

One thing ITC Great Plains employees enjoy most is getting out into the community and sharing information about the importance of a safe, reliable electric transmission grid. Kim Goodnight, Eric Ivey and Kristine Schmidt travel throughout the V-Plan footprint attending community initiatives like commission, chamber of commerce and Lions Club meetings, answering your questions about the value of electric transmission and the V-Plan project, specifically. ■

### AC vs. DC Technology

ITC has consistently made the case for expanding and strengthening the nation's electric transmission backbone, so we are glad to see continued investment in the system. From ITC's perspective, both Direct Current (DC) and Alternating Current (AC) technologies offer benefits, but the choice of technology depends on what the line developer and customers are seeking to accomplish.

A common analogy is that AC lines are like a highway, with multiple on- and off-ramps along the way, while DC lines act more like a tunnel. Converting DC voltage to AC voltage is expensive, so connections are generally only made at the ends of the line.

DC technology is appropriate for transporting energy long distances between two specific points, but doesn't offer many of the same regional and local economic, reliability and other transmission system benefits that an integrated AC transmission line would offer. AC lines can more easily be networked with the existing transmission infrastructure in the region. An integrated AC line provides grid operators multiple paths to move power around the system, improving regional reliability and giving generators flexibility about where to locate their generation.



*Presentation in Edwards County*



*Kim Goodnight presenting at the Ford County Commission Meeting*



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Return Service Requested

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### FAST FACTS

**Line length:** Approximately 122 miles  
**Line route:** Spearville south to Clark County substation;  
east to Thistle substation (east of Medicine Lodge)  
**Voltage:** 345,000 volts (345kV)  
**Right-of-way width:** 200 feet  
**Structure type:** Steel monopole, double-circuit  
**Structure height:** 100 – 140 feet  
**Distance between structures:** 800 – 1,100 feet  
**Structures per mile:** Typically six  
**Substations:** Clark County, Ironwood, Thistle

### KEY DATES & TIMELINE:

**June 2010** – Southwest Power Pool issues Notice to Construct  
**November 2010** – Preliminary routing established  
**January 17-19 2011** – Public Open Houses in Dodge City, Medicine Lodge and Greensburg  
**March 14, 2011** – Route application filed with the Kansas Corporation Commission (KCC)  
**April 20, 2011** – KCC public hearing in Greensburg  
**June 27, 2011** – KCC public hearing in Dodge City  
**July 12, 2011** – KCC issues order approving route application with modifications  
**Summer 2011** – Right-of-way acquisition begins  
**November 2012** – Construction begins  
**Late 2014** – V-Plan enters service

### ABOUT THE KANSAS V-PLAN PROJECT:

The Kansas 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. This will contribute to a stronger transmission grid that will benefit the entire region. Kansans will enjoy a robust grid that will increase reliability. ■

