# WORKING FOR THE GREATER GRID

# YOUR HIGH-VOLTAGE POWER GRID

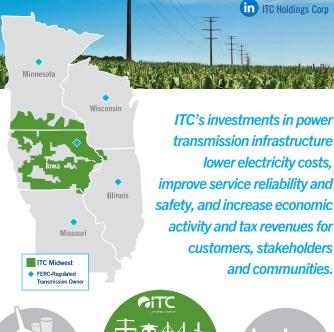
ITC Midwest owns, operates and maintains power transmission infrastructure serving most of Iowa and parts of Minnesota, Illinois and Missouri, and with a project in development in Wisconsin. ITC Midwest is a subsidiary of ITC Holdings Corp., the largest independent electricity transmission company in the U.S. with operations in seven states. ITC connects a variety of customers at transmission-level voltages. These include large generation and distribution utilities, municipal utility systems, rural electric utility cooperatives, and large commercial and industrial customers which require high-voltage electricity.

# TRANSMISSION AT CENTER OF POWER DELIVERY

Power flows to people through a three-part system: From power plants and other sources where electricity is generated; through transmission lines that carry the power at high voltages over long distances; and finally, into smaller, local wires known as distribution lines that bring electricity into our homes and other buildings. At ITC, we build, operate and maintain the high-voltage transmission infrastructure that holds this three-part system together, moving power from where it's generated to where it's needed — acting much like the country's network of highways.

## QUICK FACTS

- Established 2007
- Regional offices in Cedar Rapids, Des Moines, Dubuque, Iowa City and Perry, Iowa; and Albert Lea, Lakefield and Minneapolis, Minnesota
- Business unit lead: Dusky Terry, President, ITC Midwest
- Transmission circuit miles: ~6,600
- Voltage levels: 34.5 kV to 345 kV
- System peak load: 3,724 MW
- Stations and substations with ITC assets: 286
- Capital investments: ~\$4.6 billion since 2007
- Member, Midcontinent Independent System Operator (MISO)
- ITC Midwest has reduced the average number of outages on its system by 65% since ITC acquired the assets in 2007. This improvement in system reliability tracks with ITC's continuing grid investments and targeted capital and maintenance programs.
- To date, ITC Midwest has completed 40 new generator interconnections, adding ~4,939 megawatts of new generating capacity to the grid – including ~4,230 megawatts of wind energy production capacity.
- Public Service Commission of Wisconsin approved ITC as a Wisconsin public utility, May 2014



@ITCHoldingsCorp
@ITCGrid

Our company's sole focus on electricity transmission (we don't own generating plants or purchase or sell electricity in the energy markets) gives us a unique, neutral view of the electric grid and its current and future needs. We are actively involved in planning an integrated energy network to serve our customers, communities and the greater grid.

TRANSMISSION

substation

## **KEY PROJECTS**

**GENERATION** 

substatio

MVP Projects – ITC Midwest is participating in four regional transmission solutions, or Multi-Value Projects (MVPs), as part of the 2011 MISO MVP portfolio designed to provide access to low-cost electricity generation, improve reliability and efficiency, and expand access to renewable energy resources throughout the Midwest. Status of ITC segments:

- Cardinal-Hickory Creek project (MVP#5 connecting northeast lowa to southwest Wisconsin) – ITC is working with other utilities to advance the project. Projected completion 2023.
- MVP #4 (northern lowa) Completed third quarter 2019.
- MVP #7 (Connecting southeast lowa and northeast Missouri) Completed second quarter 2019.
- MVP #3 (Connecting southern Minnesota and northern lowa) Completed third quarter 2018.

Here's what these MVP projects are adding to the ITC Midwest system:

- ~300 miles of new 345 kV lines
- Four major new substations
- Three new interstate connections: Iowa to Minnesota, Iowa to Missouri, Iowa to Wisconsin



123 Fifth Street SE, Cedar Rapids, IA 52401 | **877.ITC.ITC9** (877.482.4829) www.itc-holdings.com