



ITC MICHIGAN: WORKING FOR THE GREATER GRID

OUR ROLE IN THE GRID

At ITC, we build and maintain the transmission infrastructure that supports the entire electricity grid: long-distance power lines that move electricity from where it's generated to where it's distributed to communities by local power companies.

Based in Novi, Michigan, ITC Michigan has two systems in the state: ITC *Transmission* which owns, operates, and maintains approximately 3,100 circuit miles of transmission line in southeast Michigan, serving a population of 5.1 million; and, Michigan Electric Transmission Company (METC) which owns, operates and maintains approximately 5,600 circuit miles of transmission line in the western and northern portions of Michigan's Lower Peninsula, serving a population of 4.9 million.

After more than 16 years as an independent transmission operator, we are proud that our systems routinely perform in the top 25% of utilities nationwide. In fact, as of 2019, we have reduced the average number of outages by 50% at ITC *Transmission* and 25% at METC.

CAPITAL PROJECTS

Whatever the project and wherever the work takes us, at ITC, we're always working for the greater grid. ITC Michigan's capital projects range in size from small-scale substation upgrades to large-scale green field transmission projects that serve as the backbone of regional electricity systems. Key projects include:

- **Beecher-Samaria** – Reconstruction of a 22-mile, 138 kV line in southern Michigan to improve service reliability by replacing the current wood H-frames and steel lattice structures with double-circuit steel monopoles. Completed fourth quarter 2019.

- **Amber-Donaldson Creek** – Reconstruction of a 20-mile, 138 kV line in western Michigan to improve reliability. Completed fourth quarter 2019.
- **Apex-Phoenix** – A new 3-mile, 120 kV underground line that will support service reliability in the Ann Arbor area. Completed second quarter 2019.
- **Carrigan Substation** – A new substation in Clyde Township connecting to the Lee-Menlo and Wabash-Yuma 120 kV transmission lines. Completed third quarter 2019.
- **The Thumb Loop** – A 140-mile, 345 kV line tracing Michigan's Thumb region, with four new substations. Phase 1 entered service in 2013, phase 2 in 2014, and the remainder entered service in May 2015. It serves as the backbone of a system designed to meet the identified maximum wind energy potential of the Thumb region while being an important link in the high-voltage transmission system in Michigan and the region.

COMMUNITY PARTNERSHIPS

ITC's role as the owner and operator of the high voltage transmission system in Michigan's Lower Peninsula requires ongoing communication with a variety of stakeholders—from municipal leaders to residents—about the importance of investing in and securing the nation's transmission assets. We believe that consumers benefit when all stakeholders are involved in a collaborative building process. We embrace open and transparent planning among all interested parties toward developing lasting partnerships and win-win outcomes.

THE VALUE WE DELIVER



INVESTMENT

The energy landscape is changing, with new demands on the electric grid including incorporation of more renewable energy, not to mention evolving challenges and threats such as severe weather and cyber-attacks. The key to building the grid we need is to invest for the long-term.



RESILIENCY AND RELIABILITY

A more resilient grid can better withstand and recover more quickly from weather events and better address cyber-attacks. It also means power flows more reliably and efficiently through the system, often reducing electricity costs and in turn benefiting local economies.



ENABLING RENEWABLES

Many consumers and businesses want to use more renewable energy. To do that, we need more than the solar panels or wind turbines themselves; upgraded and expanded transmission infrastructure is the crucial enabler that can unlock the country's renewable energy potential.



AFFORDABLE POWER

When we invest in electric transmission infrastructure, the entire economy benefits. Investing in a modernized grid helps power move more efficiently through the entire power system, which can significantly reduce annual congestion costs and help tap into lower-cost power sources.



INNOVATION

The grid is the platform on which all new energy technologies rely. By developing new energy technologies—like wind, solar, storage, and other—and by enabling new thinking more broadly in all areas, from computing to medicine to transportation, by delivering more reliable power.



RURAL COMMUNITIES AND THE ECONOMY

Investing in the transmission grid helps lay the foundation for economic growth with the promise of more reliable, affordable power. This is particularly important to rural communities, which are often underserved. ITC focuses on the needs of rural communities, helping anchor local economies.