



## Electric reliability projects



We realize that you rely on electricity to live, work and connect with family and friends.

**That's why we are** committed to providing safe, dependable and affordable power 24-hours a day to communities across Southeast Michigan. We are investing nearly \$1 billion a year in electric infrastructure

upgrades and smart technology, and we are proud of the results. Even with Michigan's **sometimes extreme weather**, **DTE Energy's electric customers** experienced 25% improvement in power reliability from 2019 to 2020. Customers saw the lowest number of outages in 2020 compared to similar weather years. We realize there is much more work to do and will continue to improve our reliability.

### Investing for the future – Corktown, Downtown, Midtown

#### Project overview

We are currently working on several multi-year and multimillion-dollar projects in Detroit, including building a new substation in Corktown. The substation will help power the Michigan Central Station, which Ford is currently revitalizing. In addition, we are upgrading our system in the Brush Park, Cass Corridor and Midtown area.

#### Benefits to the community

- Ensure that we can provide reliable power in the future
- Keep up with the growing demands.

[Learn more](#) about the project.

### Mack substation – east side of Detroit

#### Project overview

As part of our ongoing commitment to enhance the energy grid - in 2020, **DTE's** substation operations team completed work on the Mack substation that will improve reliability for thousands of customers, including essential

facilities such as Ascension St. John Hospital in Detroit. The substation, which feeds electricity to the hospital, received a new transformer and other electrical work. This allows the energy to modernize our infrastructure and make it more resilient, and adaptable to meet maintenance challenges.

#### Benefits to the community

- Improved **DTE's ability to provide safe and reliable energy** to thousands of business and residential customers on the east side of Detroit.
  - Fewer outages
  - Shorter restoration time
- Improved resiliency of the electric system during severe weather conditions.

#### Overhead reliability work - Grosse Pointe Shores, Woods, Farms

##### Project overview

DTE Energy is built a stronger energy grid in Wayne County – in 2020, the overhead team completed work in Grosse Pointe Shores. The work included: replaced old lines and equipment in an area that has been prone to outages, low voltage and related issues. Trimmed trees (around) two of our substations. In areas where tree trim is completed – customer on average see 70% reliability improvement.

#### Benefits to the community

- Improved reliability for about 1,500 customers in Grosse Pointe Farms, Shores should see far fewer outages and other electrical problems.
  - Fewer outages
  - Shorter restoration time
- Improved resiliency of the electric system during severe weather conditions.

[Learn more](#) about the project.

#### Electric vault underground project- Pontiac

##### Project overview

DTE Energy made significant investments to build a more resilient, stronger and smarter electric grid in Pontiac. In 2020, the underground team finished an electrical upgrade in downtown Pontiac. The crews completely upgraded the underground electric system, and replaced all the vaults, cables and

other electrical equipment with equipment designed to operate in this environment. The crews replaced 15 vaults more than 10,000 feet – or nearly 2 miles – of cable.

#### Benefits to the community

- Improved reliability for residence in downtown Pontiac
  - Fewer outages
  - Shorter restoration time
- Enhanced system reliability as downtown Pontiac continues to grow

[Learn more](#) about the project.

### Overhead and substation reliability work - Brighton

#### Project overview

In the spring of 2020, crews completed significant infrastructure work in Brighton. The work included: replaced overhead equipment and a transformer in areas that have been prone to outages, low voltage and related issues. Installed animal guards to make it more difficult for rodents to climb from the pole onto the electrical system. Trimmed trees on the circuit. In areas where tree trim is completed – customer on average see 70% reliability improvement. The project was completed in the spring of 2020.

#### Benefits to the community

- **Improved reliability for customers in Brighton**
  - Fewer outages
  - Shorter restoration time
- **Improves resiliency of the electric system during severe weather conditions.**

### Overhead and substation reliability work - Plymouth

#### Project overview

#### **DTE Energy's overhead crew is working to improve reliability in Plymouth.**

Crews are inspecting and upgrading utility poles throughout Plymouth. Strong, sturdy utility poles are the backbone of a reliable electric system. In addition, the substation operations team recently - rebuilt one of the substations – making the infrastructure stronger to reduce power outages and voltage fluctuations. Trimmed all trees on one of the circuits. Fallen trees and branches are responsible for two-thirds of the time our customers spend without power. The project is expected to be completed in the fall of 2020.

Benefits to the community

- **Improved reliability for customers in Plymouth**
  - o 87% fewer outages
  - o Shorter restoration time
- **Improves resiliency of the electric system during severe weather conditions.** [Learn more about the project](#)