

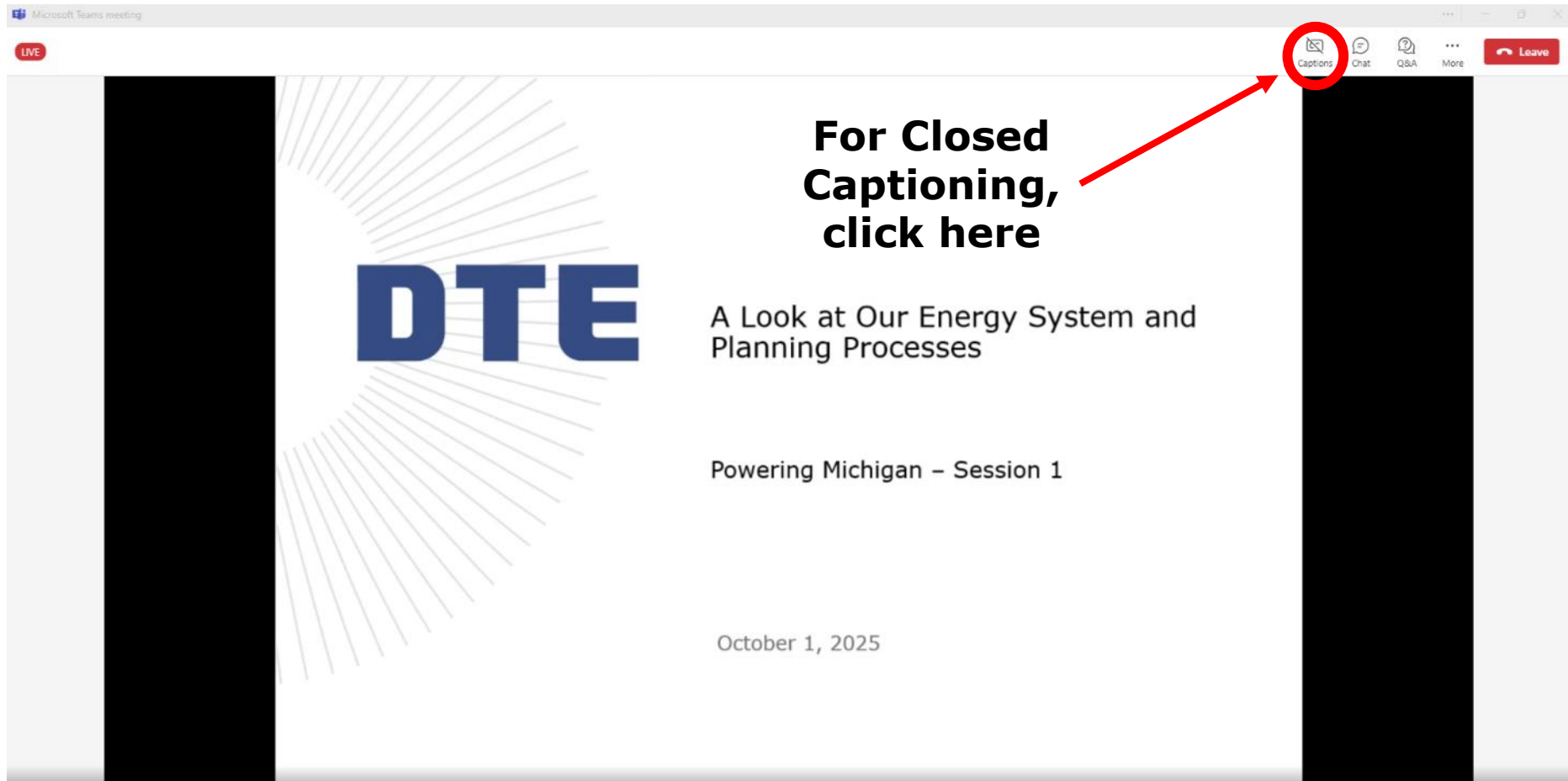


A Look at Our Energy System and Planning Processes

Powering Michigan – Session 1

October 1, 2025

Helpful Hints – Closed Captioning



The screenshot shows a Microsoft Teams meeting window. The top bar includes a 'LIVE' indicator, a 'Microsoft Teams meeting' title, and a toolbar with icons for 'Captions', 'Chat', 'Q&A', 'More', and a 'Leave' button. The 'Captions' icon is circled in red, and a red arrow points from the text 'For Closed Captioning, click here' to it. The main content area displays a presentation slide with the DTE logo, the title 'A Look at Our Energy System and Planning Processes', the subtitle 'Powering Michigan – Session 1', and the date 'October 1, 2025'.

For Closed Captioning, click here

DTE

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Helpful Hints – Q&A

Microsoft Teams meeting

LIVE

Captions Chat **Q&A** More

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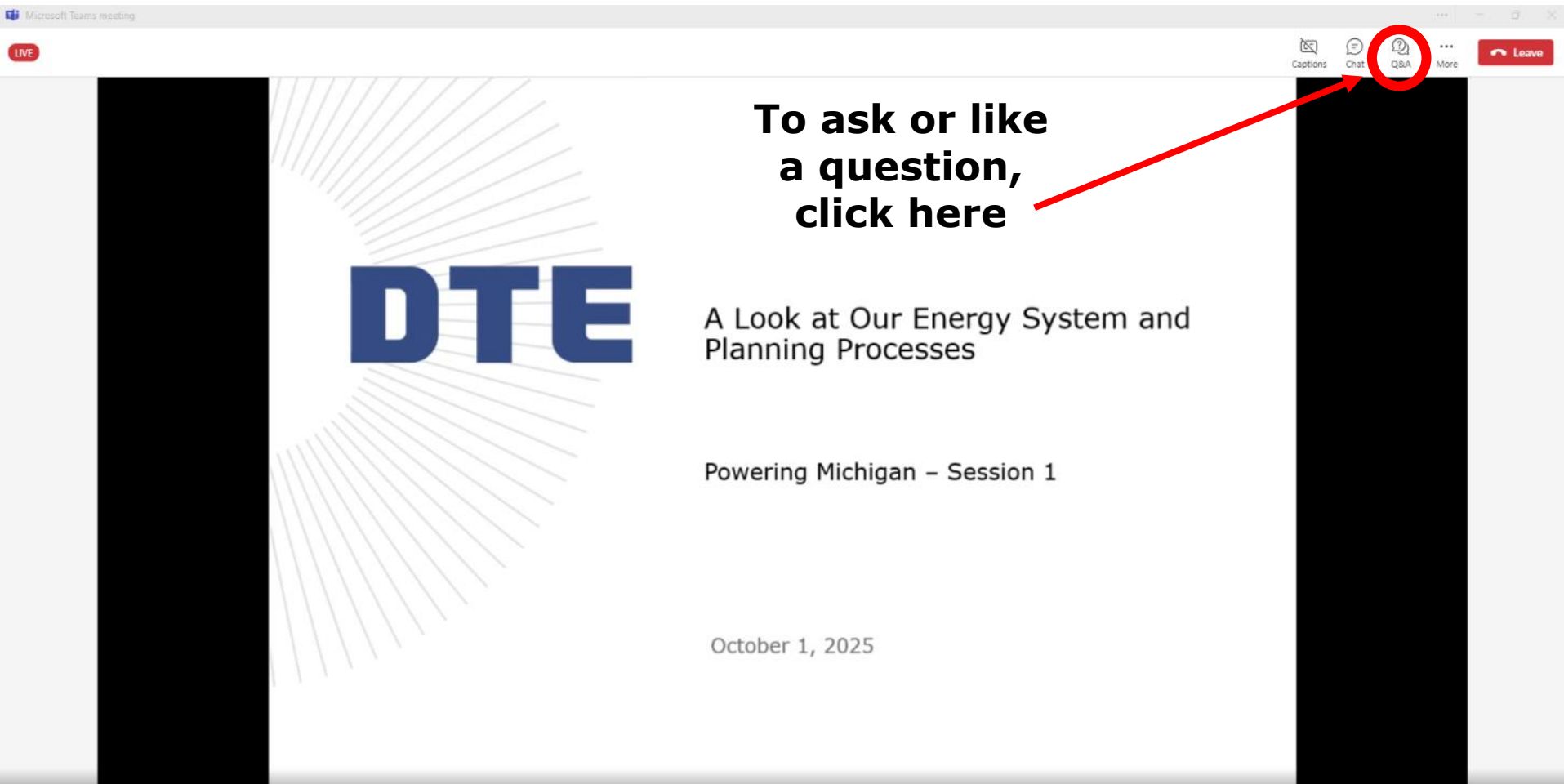
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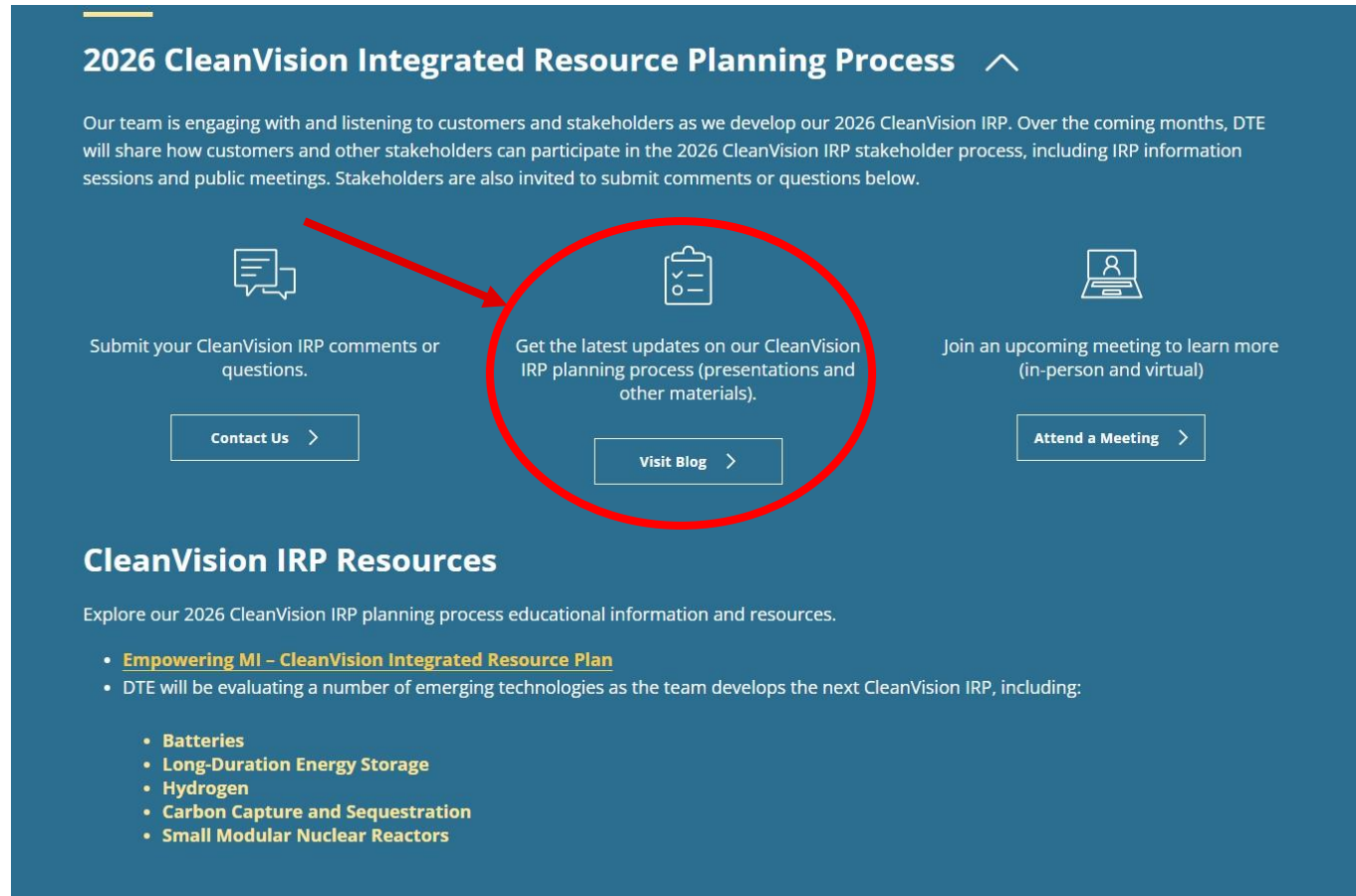
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Presentations, Recordings & Transcriptions

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2026 CleanVision Integrated Resource Planning Process ^

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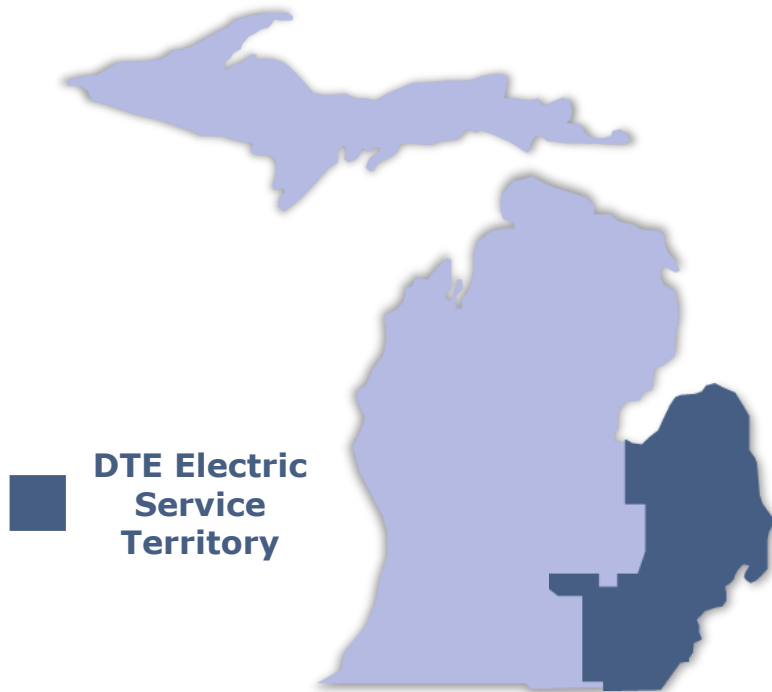
Today's Agenda

- ❑ Introduction to the **electric system**
- ❑ How power is made (**generation**),
- ❑ How power is delivered to your home (**electric distribution system**), and
- ❑ Introduction to two of DTE's **energy planning processes**
- ❑ Q & A

Powering Michigan Series

- **Session #2: October 20, 2025 – Building a Smarter, Stronger Grid**
- **Session #3: November 3, 2025 – Planning Our Future Energy Mix**

DTE Electric



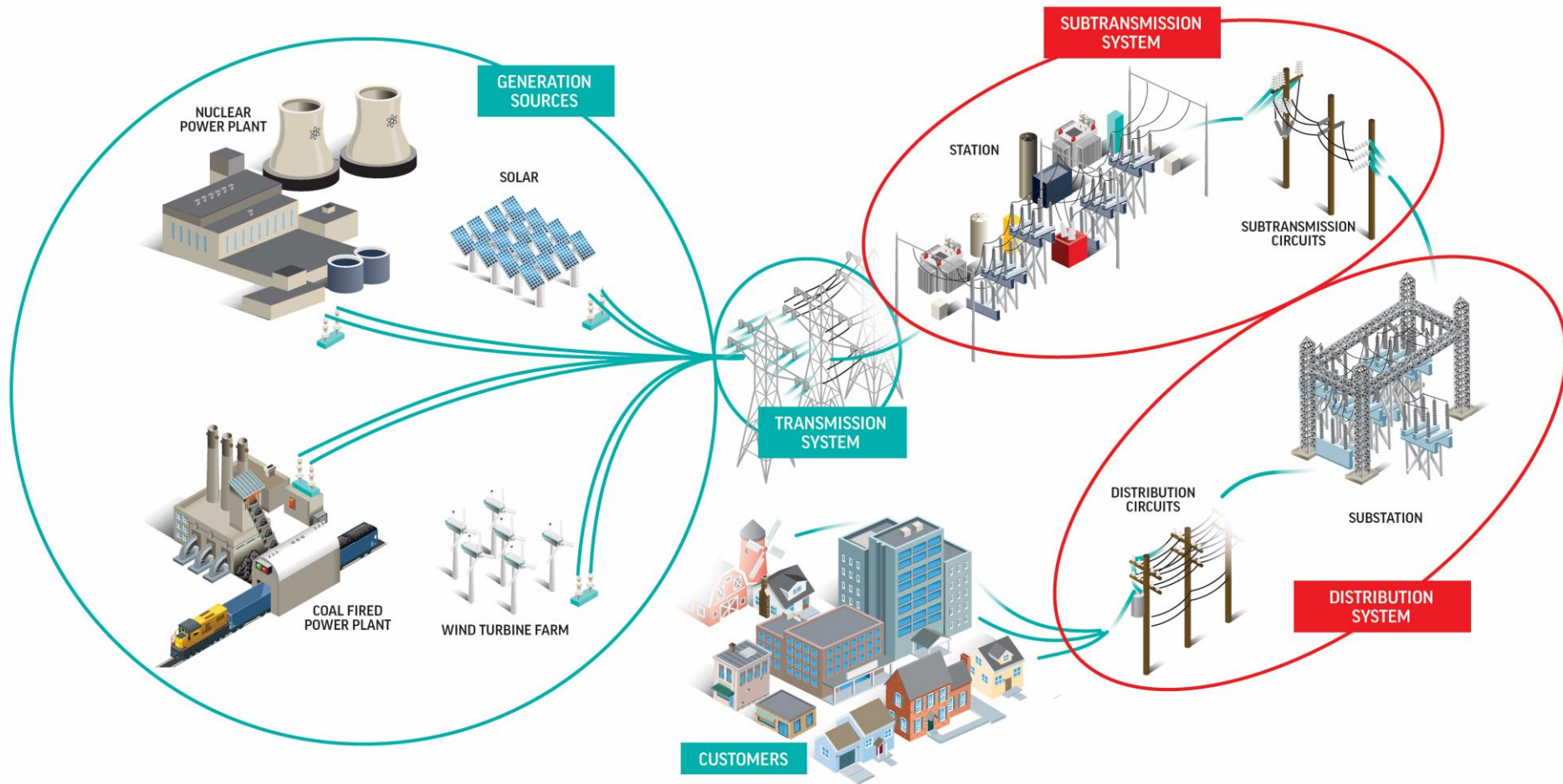
- Founded in 1903
- Own and operate generation and distribution assets
- Serving 2.3 million customers in southeast Michigan
- Nearly 10,000 employees
- In 2024:
 - Spent \$3.3 billion with local Michigan businesses
 - Contributed ~63,000 volunteer hours

Now let's walk through the energy system to understand electricity's journey from being generated to distributed to your home or business

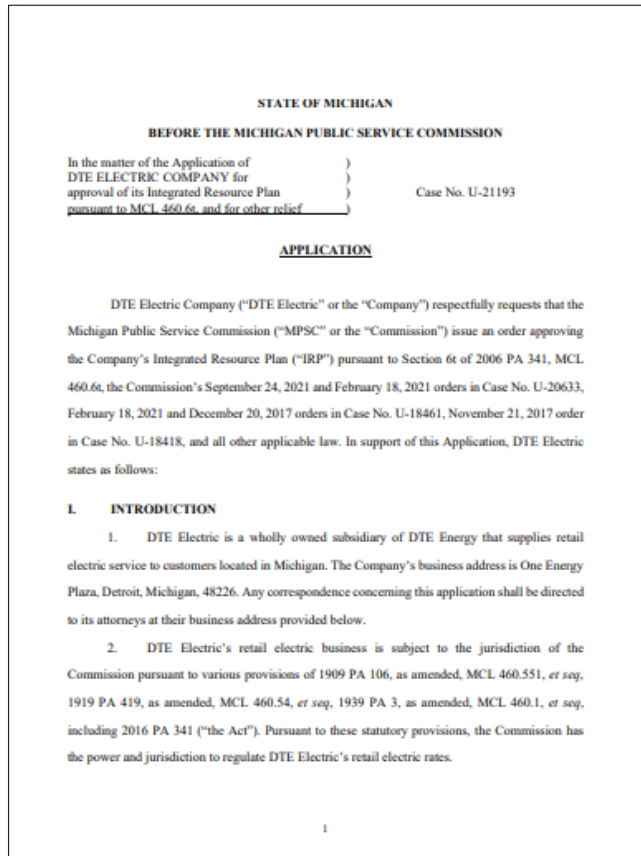
The Electric System



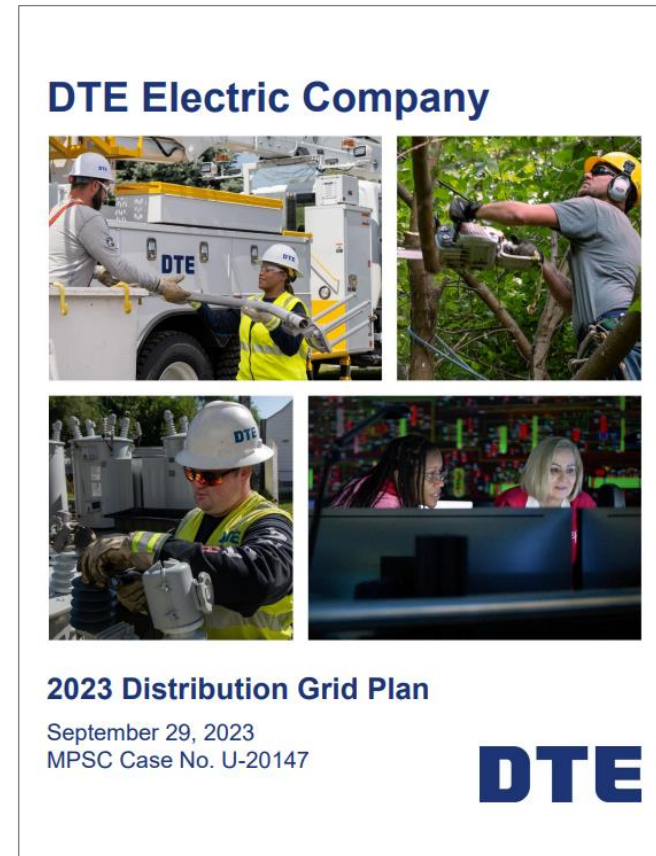
The electric system follows a multi-step process from **generation** to **distribution**



Planning tools for generation and distribution



2022 CleanVision
Integrated Resource Plan



2023
Distribution Grid Plan¹

Our generation and distribution planning processes are guided by the following objectives



SAFE:

Public and employees are kept free from injury; meet all State and Federal requirements



RELIABLE AND RESILIENT:

Minimal equipment outages and disruptions to customers



AFFORDABLE:

Cost-effective service provided to all customers



CUSTOMER ACCESSIBILITY AND COMMUNITY FOCUS:

Flexible energy options available to all customers; timely two-way communication with customers and stakeholders in all communities



CLEAN:

Operate in an environmentally sustainable manner and achieve low carbon aspirations enabling a decarbonized economy in Michigan

DTE has a diverse portfolio of generation assets capable of producing more than 12,000 MW



PINE RIVER SOLAR AND WIND PARK



MONROE POWER PLANT



SLOCUM BATTERY ENERGY STORAGE SYSTEM



BLUE WATER ENERGY CENTER



FERMI 2 NUCLEAR PLANT



LUDINGTON PUMPED STORAGE

DTE Electric's generation resources include:

- 34 Solar Farms
- 20 Wind Parks
- Ludington Pumped Storage¹
- Slocum Battery Energy Storage System
- Blue Water Energy Center (natural gas-fired)
- Belle River Power Plant (coal-fired plant that is being converted to natural gas)
- Fermi 2 Nuclear Power Plant
- Monroe Power Plant (coal-fired)

An **Integrated Resource Plan** (IRP) is how we plan to meet customer's future electricity needs

Definition



- An Integrated Resource Plan (IRP) is a comprehensive plan to meet customers' electricity needs for the next 5, 10 and 15 years

Requirements



- Utilities are required by Michigan law to file an IRP at least every 5 years¹

Review Process



- The Michigan Public Service Commission (MPSC) Staff and other stakeholders review the proposal through a nearly year-long, formal process
- The Commission reviews and approves final plan

Our generation mix is dramatically changing under our current CleanVision Integrated Resource Plan

2022 Plan Summary (2023-2042)



15,400 MW
of renewables



1,830 MW
of storage



1,300 MW
Coal to natural gas

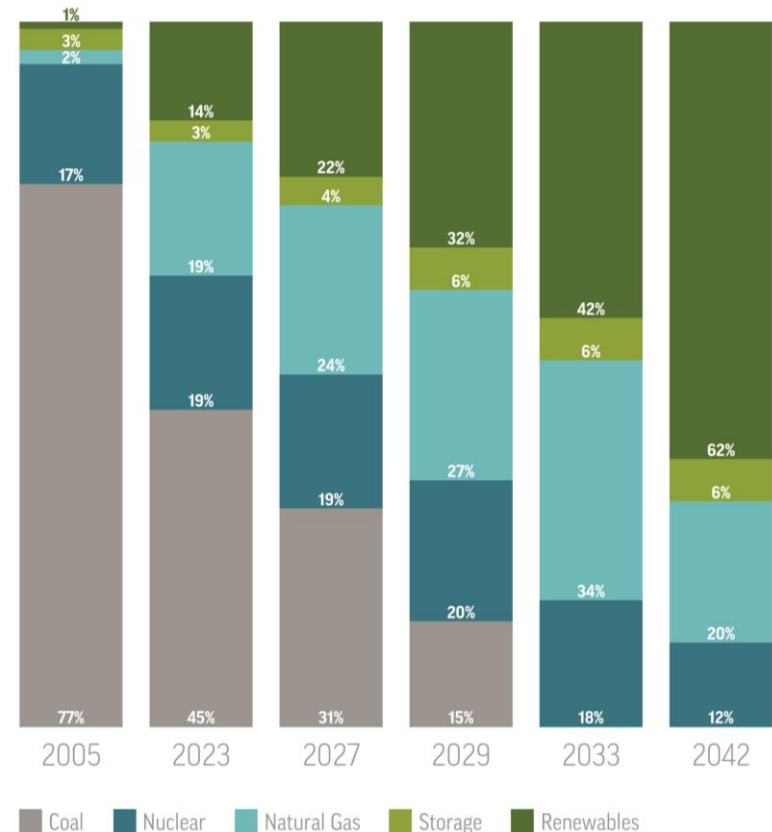


- 4,100 MW
Coal plant retirements

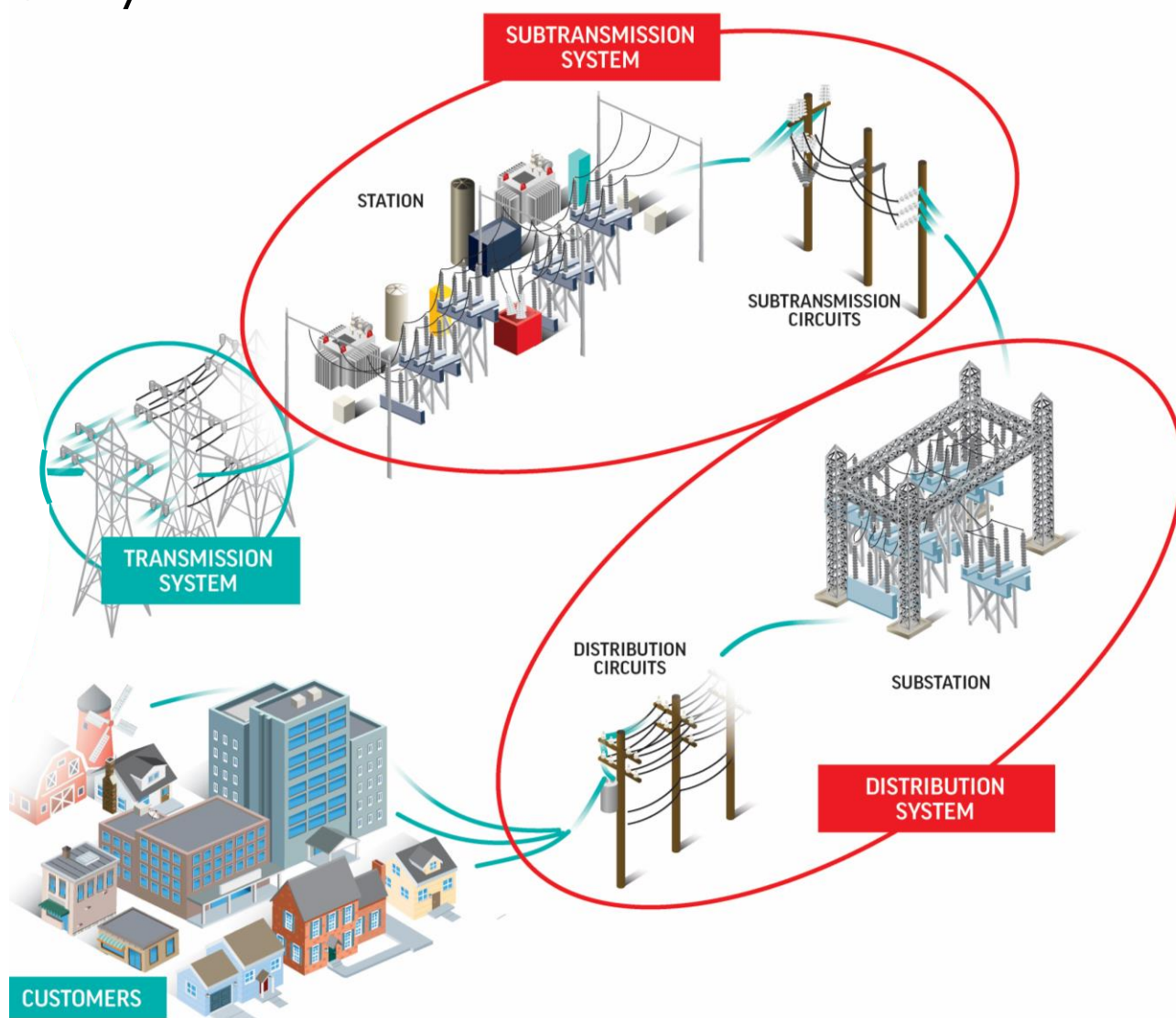


2%
Energy waste reduction
(2023-2027)

Proposed Generation Mix (2005-2042, MWh%)

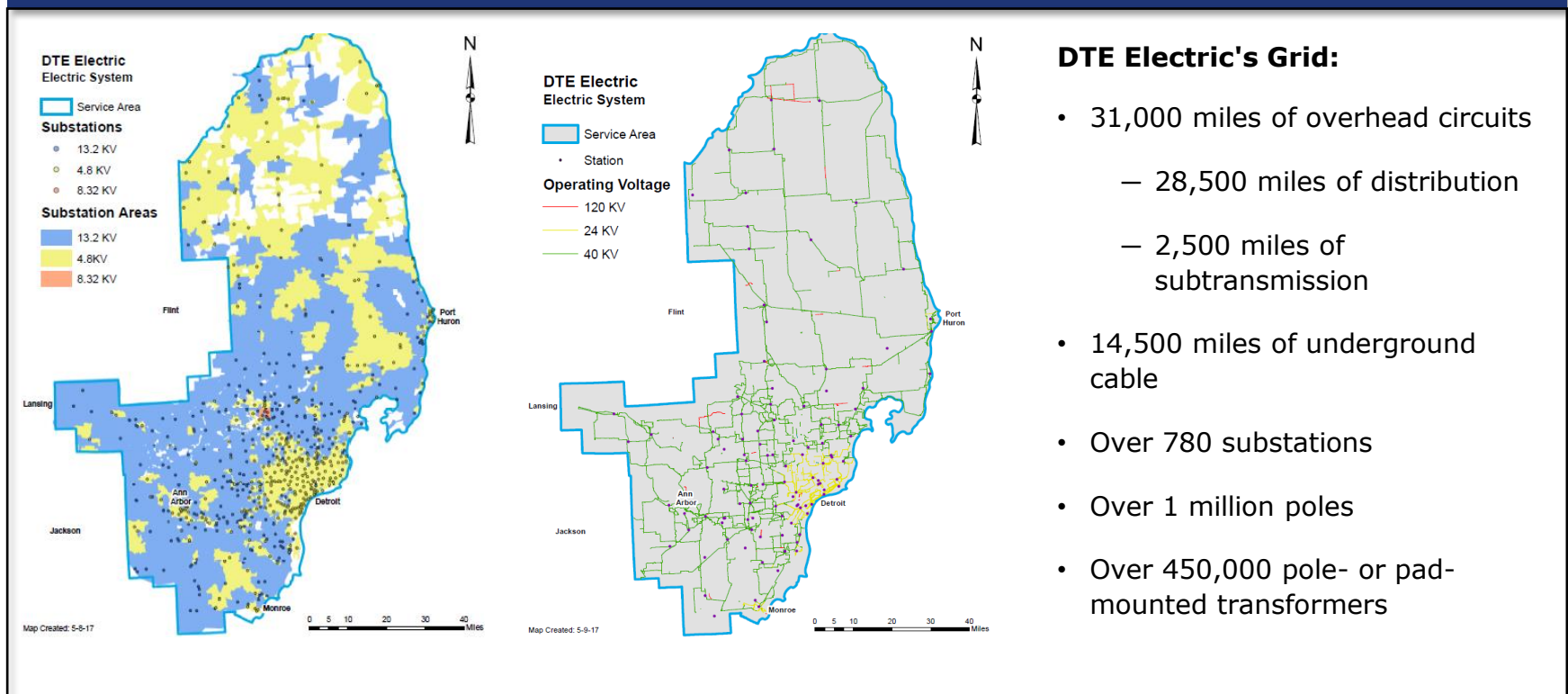


Stations, sub-transmission lines, substations and overhead and underground distribution lines make up the power distribution system



DTE's electric grid is vast and serves over 2.3 million electric customers

DTE Electric Distribution System



A **Distribution System Plan** (DSP) is a strategic roadmap to upgrade and manage the grid

Definition



- The Distribution System Plan (DSP) details a five-year investment plan as well as an extended (10-15 year) outlook from the date of filing¹

Requirements



- Per guidelines, a utility must file a DSP every three years (or as otherwise ordered by the Commission)²

Review Process



- The process allows the Commission and other interested parties an opportunity to fully evaluate significant and necessary investments³
- Investments proposed in the DSP must align with future rate proposals⁴

¹ [September 11, 2019, Order in MPSC Case No. U-20147, pp. 4-5](#)

² [July 10, 2025, Order in MPSC Case No. U-20147, Exhibit A](#)

³ [September 8, 2022, Order in MPSC Case No. U-20147, p. 66](#)

⁴ [July 10, 2025, Order in MPSC Case No. U-20147, pp. 20-21](#)

The goal of our 4-point plan is to reduce power outages by 30% and cut outage durations in half by 2029

1

TRANSITIONING TO A SMART GRID



2

UPDATING EXISTING INFRASTRUCTURE



3

REBUILDING SIGNIFICANT PORTIONS OF THE GRID



4

TRIMMING TREES



Your voice matters!



**Share your
comments or
questions:**



Email us:

IRP: dte_electric_cleanvision@dteenergy.com

DSP: DTE.DSP@dteenergy.com



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Questions and comments



- As a customer, what are your priorities as we plan for the future?
- What should DTE understand about your community as we conduct these planning processes?
- Is there anything you want us to highlight in our upcoming Information Sessions on:
 - The Distribution System Plan?
 - Integrated Resource Plan?

Thank you for joining!

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