

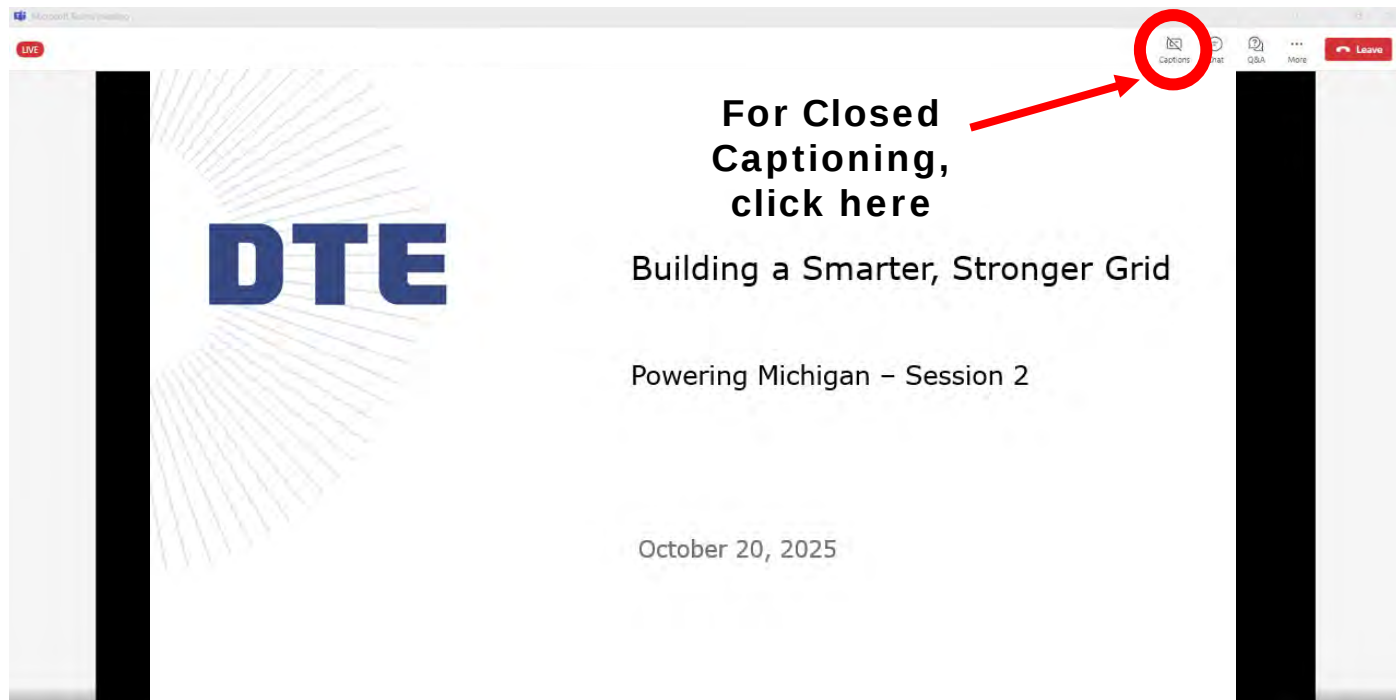


Building a Smarter, Stronger Grid

Powering Michigan – Session 2

October 20, 2025

Helpful Hints – Closed Captioning



The screenshot shows a Microsoft Teams meeting window. On the left, there is a vertical black bar. The main area displays a presentation slide with the DTE logo and the text "Building a Smarter, Stronger Grid" and "Powering Michigan – Session 2". In the top right corner of the Teams window, there is a red circle around the "Caption" button, with a red arrow pointing to it from the text "For Closed Captioning, click here". Other buttons visible in the top right include "Chat", "Q&A", "More", and a red "Leave" button.

For Closed Captioning, click here

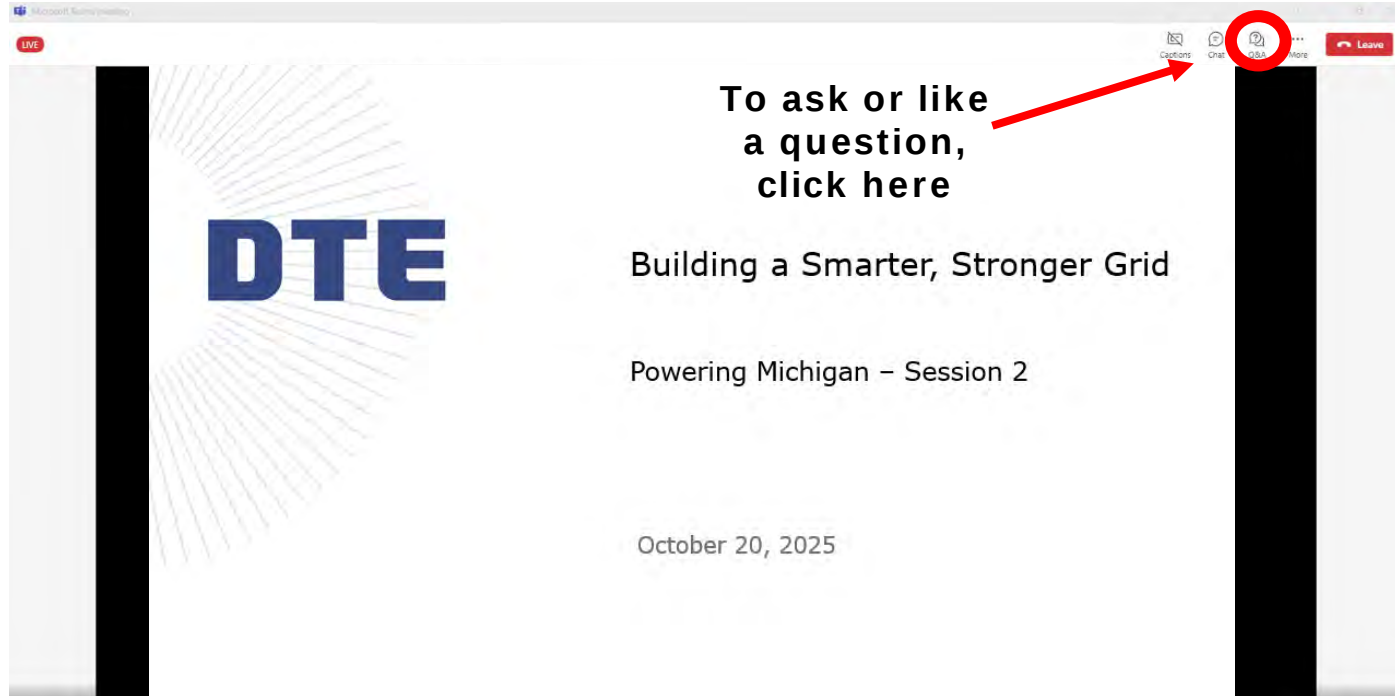
DTE

Building a Smarter, Stronger Grid

Powering Michigan – Session 2

October 20, 2025

Helpful Hints – Q&A



The screenshot shows a Microsoft Teams meeting window. On the left is a large DTE logo with the text "DTE" in blue and "Building a Smarter, Stronger Grid" in a lighter blue. Below the logo is the text "Powering Michigan – Session 2" and "October 20, 2025". On the right side of the meeting window, there is a vertical toolbar with icons for "Captions", "Chat", "Q&A", and "More". The "Q&A" icon is circled in red, and a red arrow points to it from the text "To ask or like a question, click here". A "Leave" button is also visible in the top right corner.

To ask or like a question, click here

Building a Smarter, Stronger Grid

Powering Michigan – Session 2

October 20, 2025

The focus for today is the Distribution System Plan, or DSP

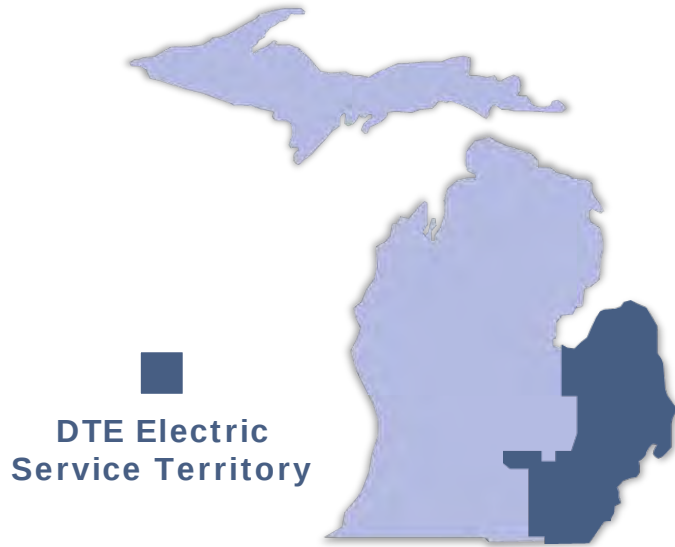
Powering Michigan Series

- Session 1 – October 1, 2025:
A look at our energy system and planning processes
- Session 2 – October 20, 2025:
Building a smarter, stronger grid
- Session 3 – November 3, 2025:
Planning our clean energy future

Planned agenda for today:

- ❑ Overview of DTE Electric and the distribution system
- ❑ Summary of the DSP purpose and process
- ❑ Reminder of our 4-point plan to improve reliability
- ❑ Preview of other DSP content, including enabling technologies and cost effectiveness approach
- ❑ Ways to connect with the DSP team
- ❑ Q & A

DTE Electric Overview



- Founded in 1903
- Own and operate generation and distribution assets
- Serving 2.3M customers in southeast Michigan
- Nearly 10,000 employees

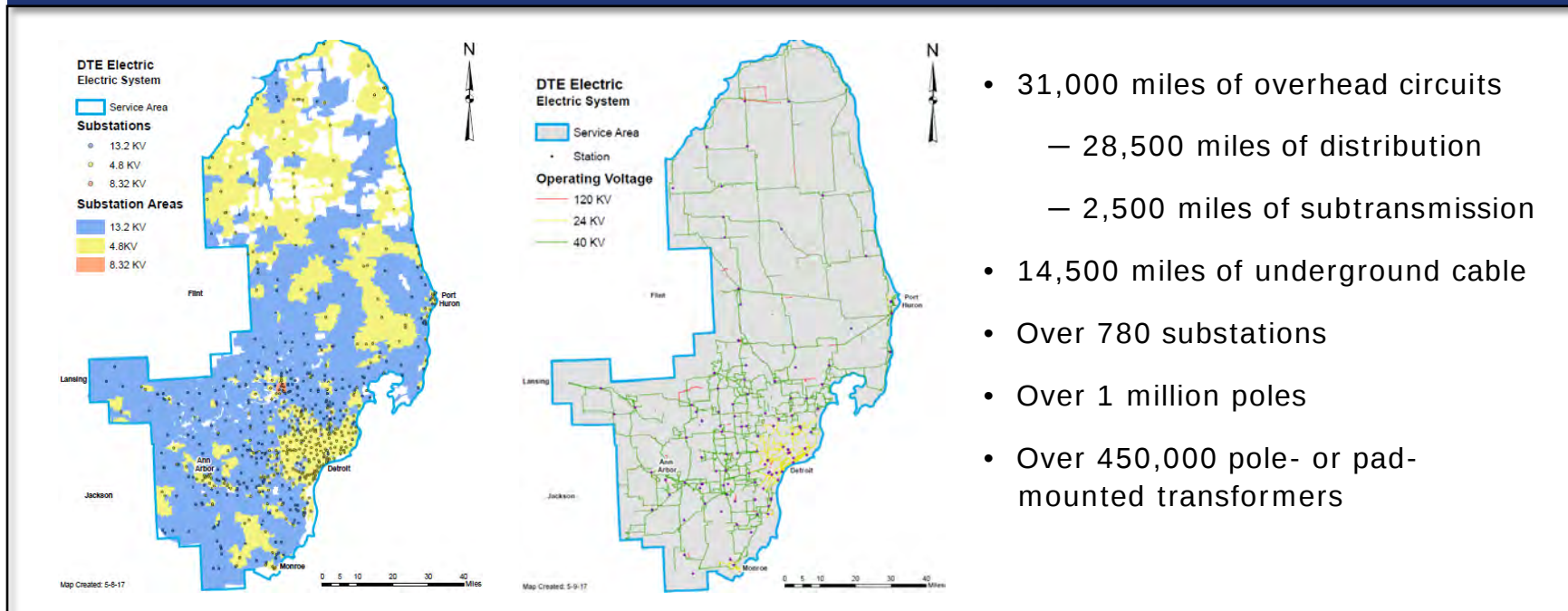
Now let's walk through the energy system to understand electricity's journey from being generated to distributed to your home or business

The Electric System



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

DTE Electric Distribution System



- 31,000 miles of overhead circuits
 - 28,500 miles of distribution
 - 2,500 miles of subtransmission
- 14,500 miles of underground cable
- Over 780 substations
- Over 1 million poles
- Over 450,000 pole- or pad-mounted transformers

Our planning is guided by the following objectives



SAFE:

Public and employees are kept free from injury



RELIABLE AND RESILIENT:

Minimal equipment outages and disruptions to customers



AFFORDABLE:

Cost-effective service provided to all customers



CUSTOMER ACCESSIBILITY:

Flexible energy options available to all customers



CLEAN:

Operate in an environmentally sustainable manner and achieve low carbon aspirations

The DSP allows for review of the utility's strategic roadmap

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 filing

Requirements



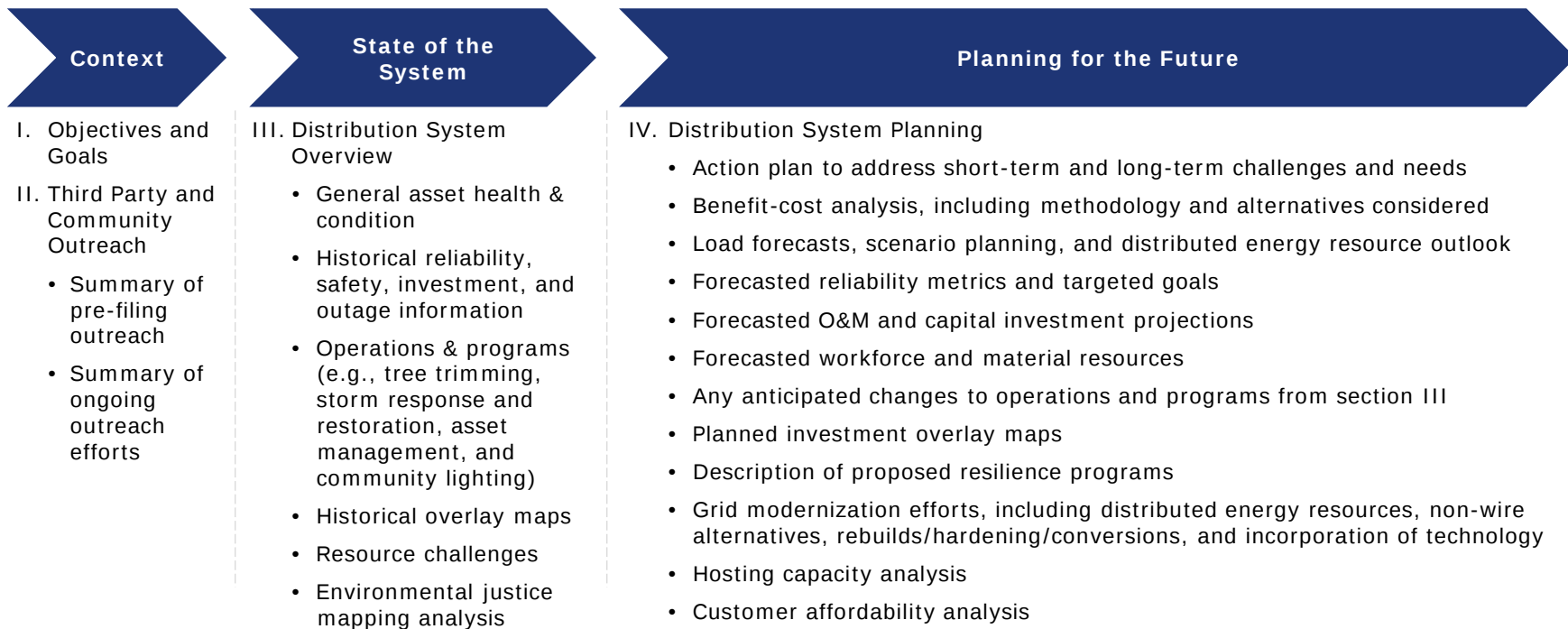
- Per guidelines, a utility must file a DSP every three years (or as otherwise ordered by the Commission)
- The Utility must include an action plan to address the established short-term and long-term challenges and needs

Review Process

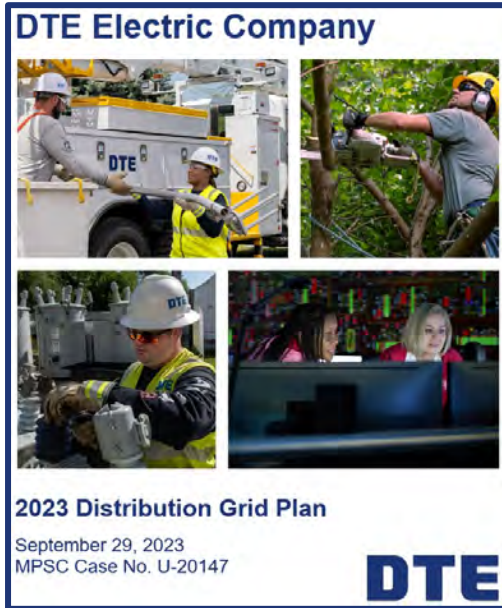


- The process allows the Commission and other interested parties an opportunity to fully evaluate significant and necessary investments
- Investments proposed in the DSP must align with future rate proposals

In July, the Commission provided filing guidelines for the DSP



We will file the next DSP – our fourth to date – by June 30

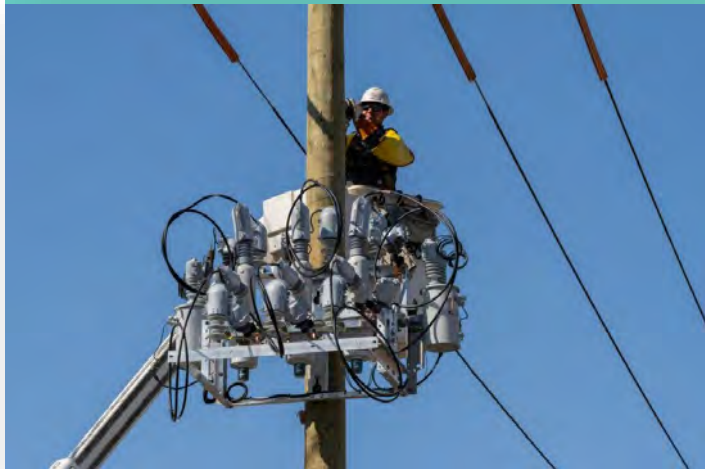


- In 2016, the Commission directed DTE, Consumers and other utilities to develop a five-year distribution investment and maintenance plan
 - DTE filed plans in 2018, 2021, and 2023
 - The 2021 plan was the first to contain a 15-year view of the grid and a 5-year review of investment
- The Commission has directed DTE to file the next iteration of the DSP (previously known as the Distribution Grid Plan, or DGP) by June 30, 2026

The next pages offer a preview of some of the investment programs and content that will be included as part of the upcoming DSP

The DSP will include an update on DTE's 4-point plan (1 of 4)

1 TRANSITIONING TO A SMART GRID



- DTE plans to fully automate the electric grid by 2029 with smart devices to reduce outages
- DTE's new technology, like reclosers:
 - Helps crews pinpoint damage, making restoration faster
 - Allows us to isolate the damage and re-route power so the lights stay on for more customers while crews make repairs
- So far this year, smart devices have helped customers avoid more than 19,000 outages

The DSP will include an update on DTE's 4-point plan (2 of 4)

2

UPDATING EXISTING INFRASTRUCTURE



- DTE is actively inspecting and upgrading poles, cross arms, transformers, and other equipment throughout its service territory
- New, modern pole-top equipment is made of stronger materials, experiences less deterioration from the elements, and can better withstand increasingly severe weather
- DTE has inspected and upgraded more than 575 miles of electric equipment throughout its electric service territory so far this year - with plans to do more by year end

The DSP will include an update on DTE's 4-point plan (3 of 4)

3

REBUILDING SIGNIFICANT PORTIONS OF THE GRID



- DTE is working to rebuild significant sections of the electric grid including new, modern substations and entirely upgraded circuits
 - Areas with older infrastructure and lower voltage systems are being converted and updated to higher voltage to increase capacity and improve reliability
- DTE has recently completed seven new substation projects and have several others in various stages of construction, from Ann Arbor to Detroit to Port Huron and more

The DSP will include an update on DTE's 4-point plan (4 of 4)

4

TRIMMING TREES



- Tree trimming is one of the most effective methods to improve electric reliability
- Trees account for half of the time our customers are without power
- DTE has trimmed nearly 40,000 miles of trees since 2015
- By the end of this year, we will have trimmed our entire system over the last five years

Technology-related opportunities will be included in the DSP to further advance the grid and improve reliability and efficiency

Technology Investment Opportunities in Consideration

Enhanced Grid Visibility and Control



- Enhanced grid visibility and control with technologies and advanced metering as enablers for Distributed Energy Resources (DERs)
- Next generation metering system with real-time data collection

Last Mile Communications



- Hybrid approach of fiber/wireless network to meet the communication needs of the modern grid
- Enable smart grid growth while staying independent from bandwidth-limited public carriers

Asset Inspection Technology



- Launch a drone program to support asset management, storm restoration, and tree trimming
- Use autonomous and pre-planned flights for inspections and at-risk equipment identification

Asset Analytics & Condition Monitoring

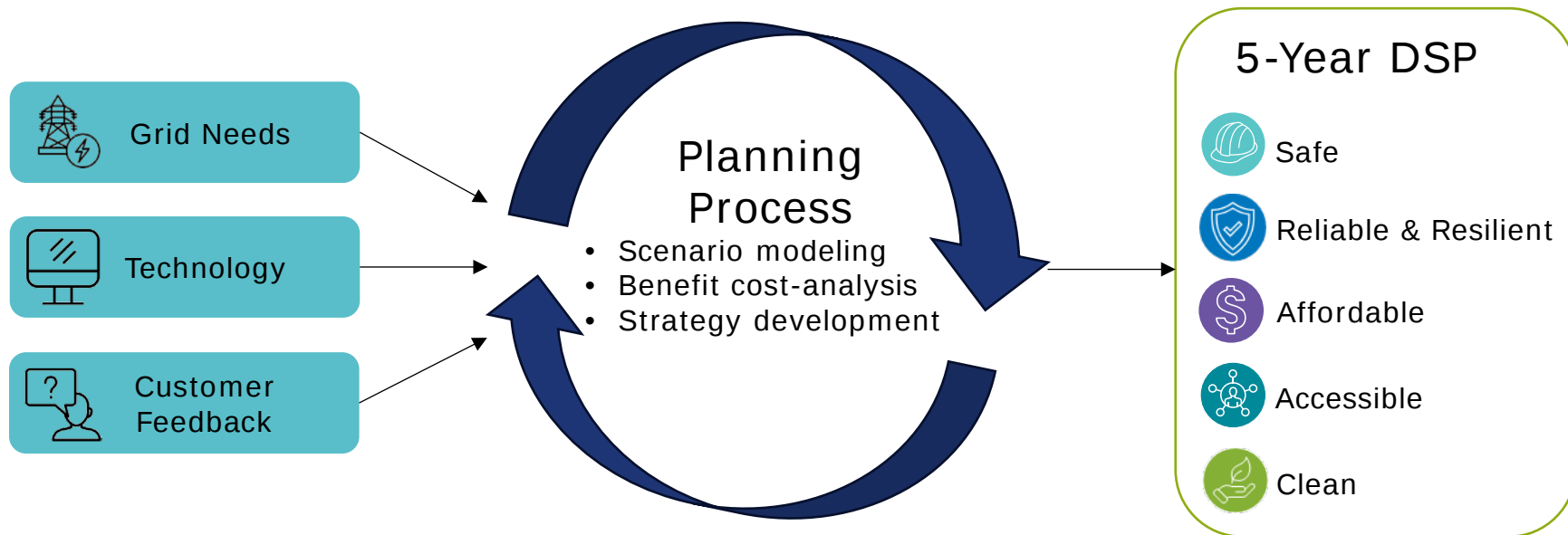


- Leverage available technologies for real-time equipment monitoring
- Improve analytics to proactively identify high risk assets resulting in increased system reliability

The next DSP will have increased justification for investment; four cost-effectiveness methods are being considered

	Method	Description	Key Driver(s)
	Monetized Benefit-Cost Analysis	- Analytical approach comparing dollar value of benefits versus costs - Utilization of robust industry valuation framework for reliability-driven projects (e.g., interruption cost estimate, or ICE, calculator and avoided reactive spend)	Reliability
	Hybrid	- Combination of monetary benefits and descriptive justification that together demonstrate cost effectiveness - Potentially includes alternative studies to provide further support on selected projects	Combined benefits of safety, capacity, reliability, resiliency, etc.
	Least Cost and Best Fit	- Coupled with alternative studies (e.g., non-wire alternatives) to demonstrate adherence to “least cost and best fit” standard - Applicable for projects that fulfill utility obligations to serve customer load	System loading relief
	Descriptive Justification	- Robust descriptive discussion to demonstrate cost effectiveness for benefits that are hard to monetize or quantify - Also applicable for investments that have gained industry-wide support, are for compliance purpose or still in pilot stage, have relatively small total project/program spend (e.g., <\$8M), or significant portion of spend has already occurred prior to filing (e.g., >50%)	Various

The planning process is underway to deliver a robust DSP



Questions and Comments



- What problems do you think we should be working to solve with the DSP?
- What goals and possible solutions should we be considering?
- How should DTE balance affordability with reliability?

Your voice matters!



- Email us any questions or comments at DTE.DSP@dteenergy.com
- Join Session 3 of Powering Michigan on November 3 at 5:30 pm to learn more about how we are planning our future energy mix
 - Visit dtecleanenergy.com for more information
- Come learn more at the Community Open House at the Canton Public Library on November 17 from 4-6 pm