



Planning Our Future Energy Mix

Powering Michigan – Session 3

November 3, 2025

Helpful Hints – Closed Captioning



The screenshot shows a Microsoft Teams meeting window. On the left, there is a red 'LIVE' indicator. The main area displays a presentation slide with the DTE logo and the text: 'For Closed Captioning, click here', 'Planning Our Future Energy Mix', 'Powering Michigan – Session 3', and 'November 3, 2025'. In the top right corner of the meeting window, there is a toolbar with icons for 'Captions', 'Chat', 'Q&A', and 'More'. The 'Captions' icon, which shows a speech bubble with a checkmark, is circled in red, and a red arrow points from the text 'click here' on the slide to this icon.

For Closed Captioning, click here

DTE

Planning Our Future Energy Mix

Powering Michigan – Session 3

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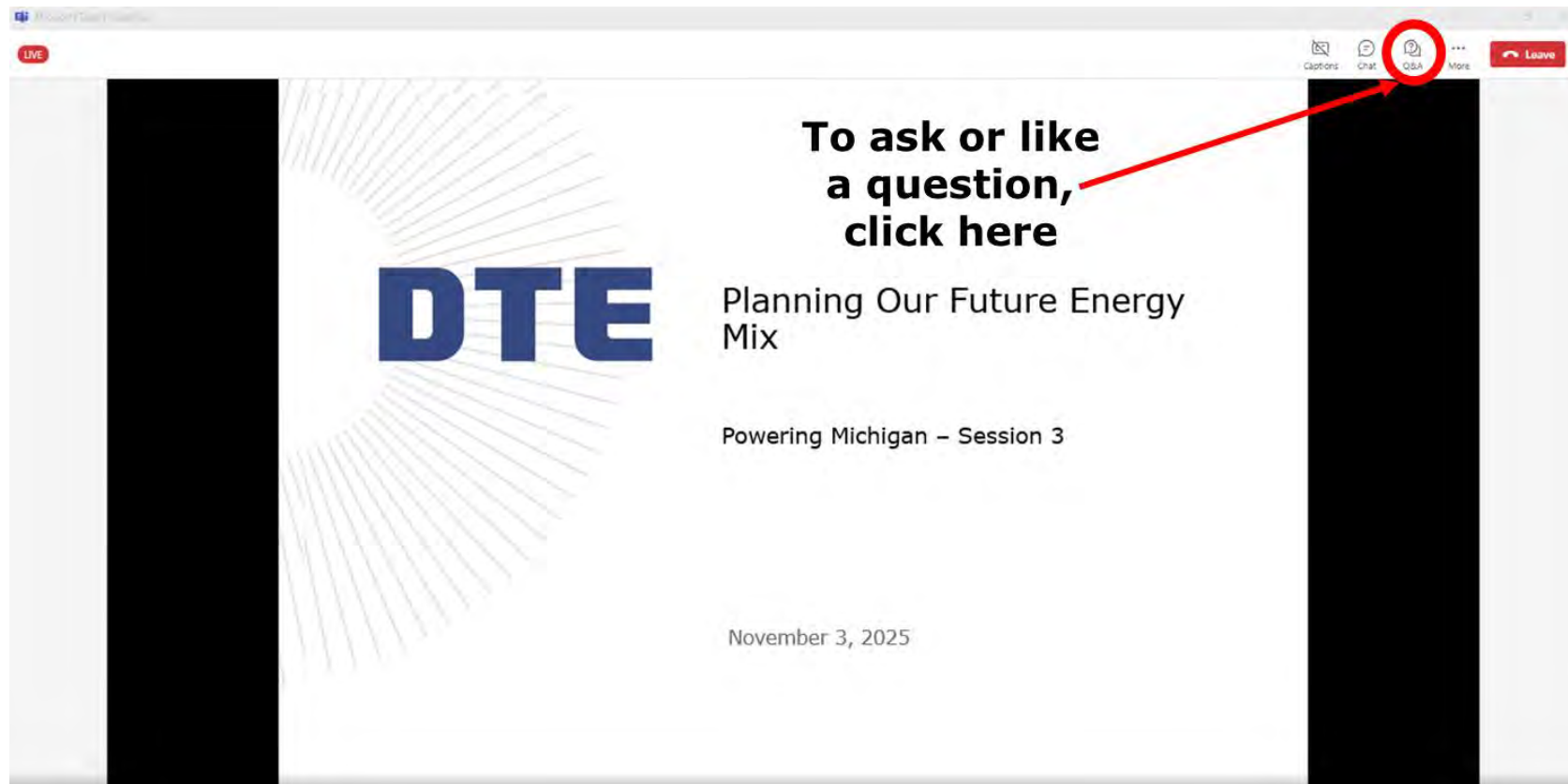
Microsoft Teams meeting

LIVE

Captions Chat Q&A More

Leave

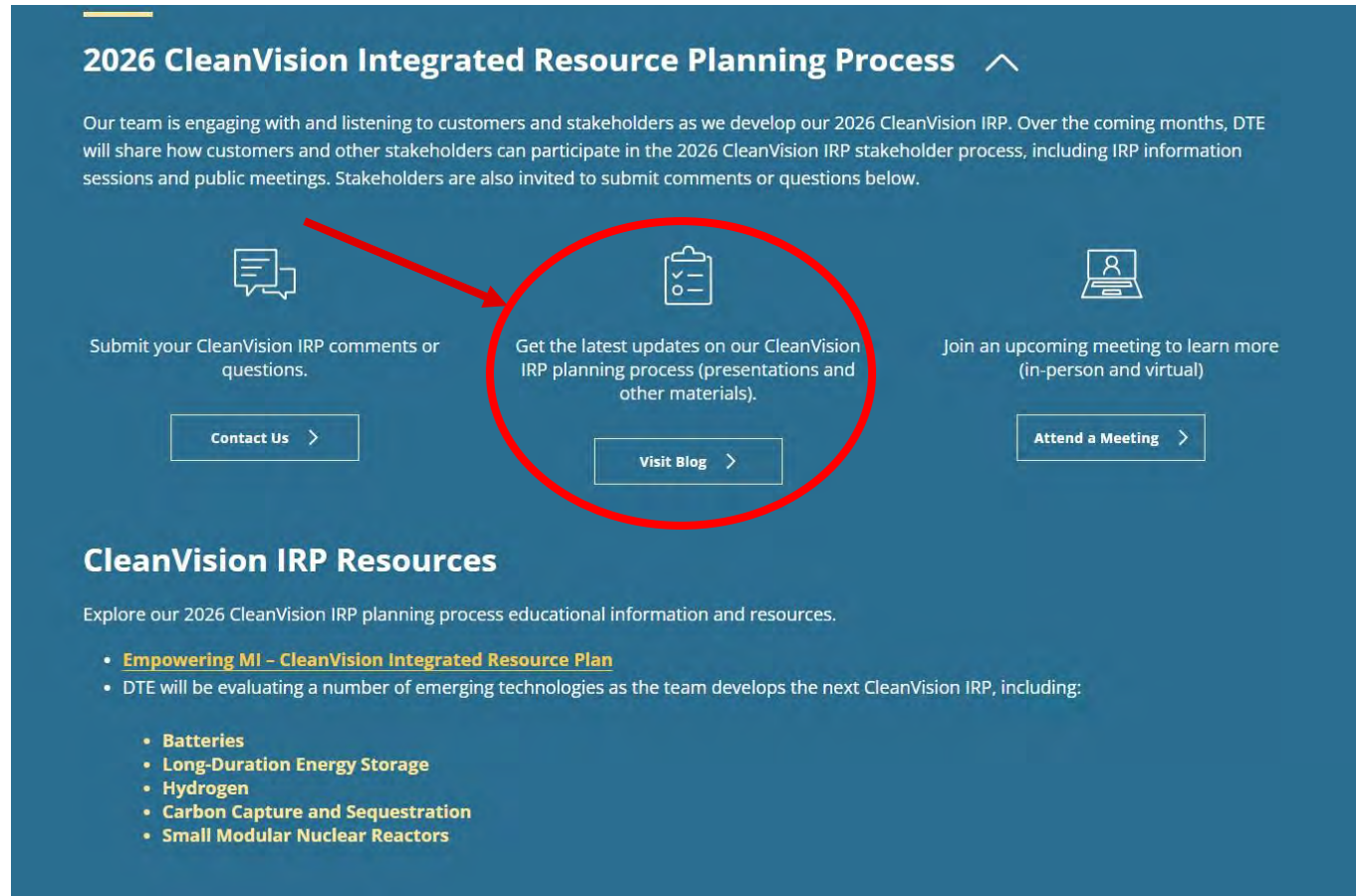
Helpful Hints – Q&A



- If on Teams App: *Post question in the Q & A*
- If on Web Browser or phone: *Email question to DTE_Electric_CleanVision@dteenergy.com*

Presentations, Recordings & Transcriptions

Visit dtecleanenergy.com



2026 CleanVision Integrated Resource Planning Process ^

Our team is engaging with and listening to customers and stakeholders as we develop our 2026 CleanVision IRP. Over the coming months, DTE will share how customers and other stakeholders can participate in the 2026 CleanVision IRP stakeholder process, including IRP information sessions and public meetings. Stakeholders are also invited to submit comments or questions below.



Submit your CleanVision IRP comments or questions.

[Contact Us >](#)



Get the latest updates on our CleanVision IRP planning process (presentations and other materials).

[Visit Blog >](#)



Join an upcoming meeting to learn more (in-person and virtual)

[Attend a Meeting >](#)

CleanVision IRP Resources

Explore our 2026 CleanVision IRP planning process educational information and resources.

- [Empowering MI - CleanVision Integrated Resource Plan](#)
- DTE will be evaluating a number of emerging technologies as the team develops the next CleanVision IRP, including:
 - Batteries
 - Long-Duration Energy Storage
 - Hydrogen
 - Carbon Capture and Sequestration
 - Small Modular Nuclear Reactors



The focus for today is the Integrated Resource Plan, or IRP

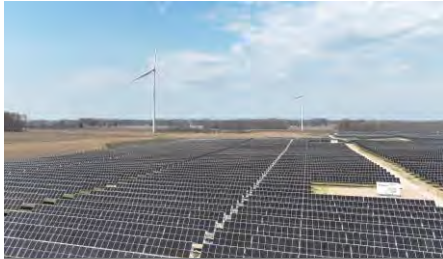
Powering Michigan Series

- 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

Agenda for today:

- ☐ DTE's Generation Resources
- ☐ Integrated Resource Plan (IRP) Purpose
- ☐ DTE's 2022 CleanVision IRP
- ☐ 2026 IRP Development
 - ☐ Clean Energy Legislation
 - ☐ IRP Modeling
 - ☐ IRP Stakeholder Engagement
- ☐ Q & A

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



PINE RIVER SOLAR AND WIND PARK



LUDINGTON PUMPED STORAGE



SLOCUM BATTERY ENERGY STORAGE



BLUE WATER ENERGY CENTER



FERMI 2 NUCLEAR PLANT



MONROE POWER PLANT

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) provides the roadmap for how we will produce the electricity supply

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 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

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

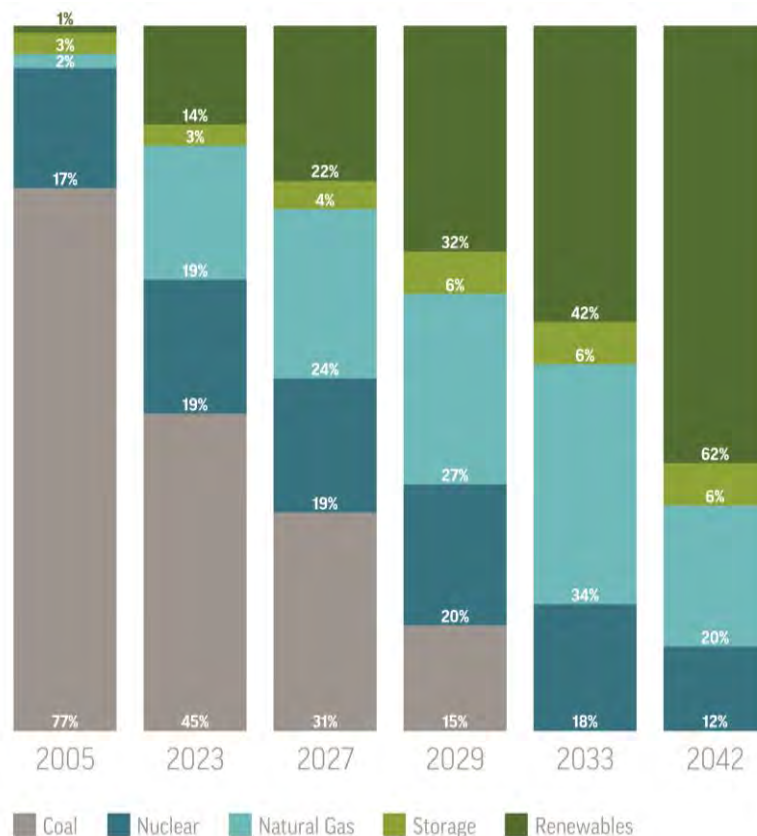


- 4,100 MW
Coal plant retirements

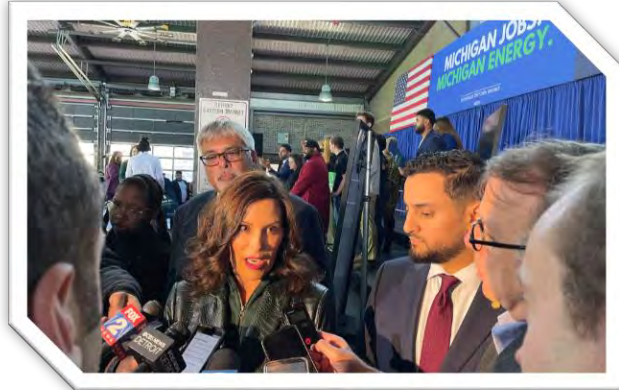


2%
Energy waste reduction
(2023-2027)

Proposed Generation Mix (2005-2042, MWh %)



In 2023, Michigan passed historic clean energy legislation, making Michigan a national leader in addressing climate change



MI Clean Energy Legislation¹

1

State-wide Storage Target: State-wide energy storage mandate of 2,500 MW by 2030

2

Renewable Portfolio Standard: Increased the Renewable Portfolio Standard to 50% by 2030 and 60% by 2035

3

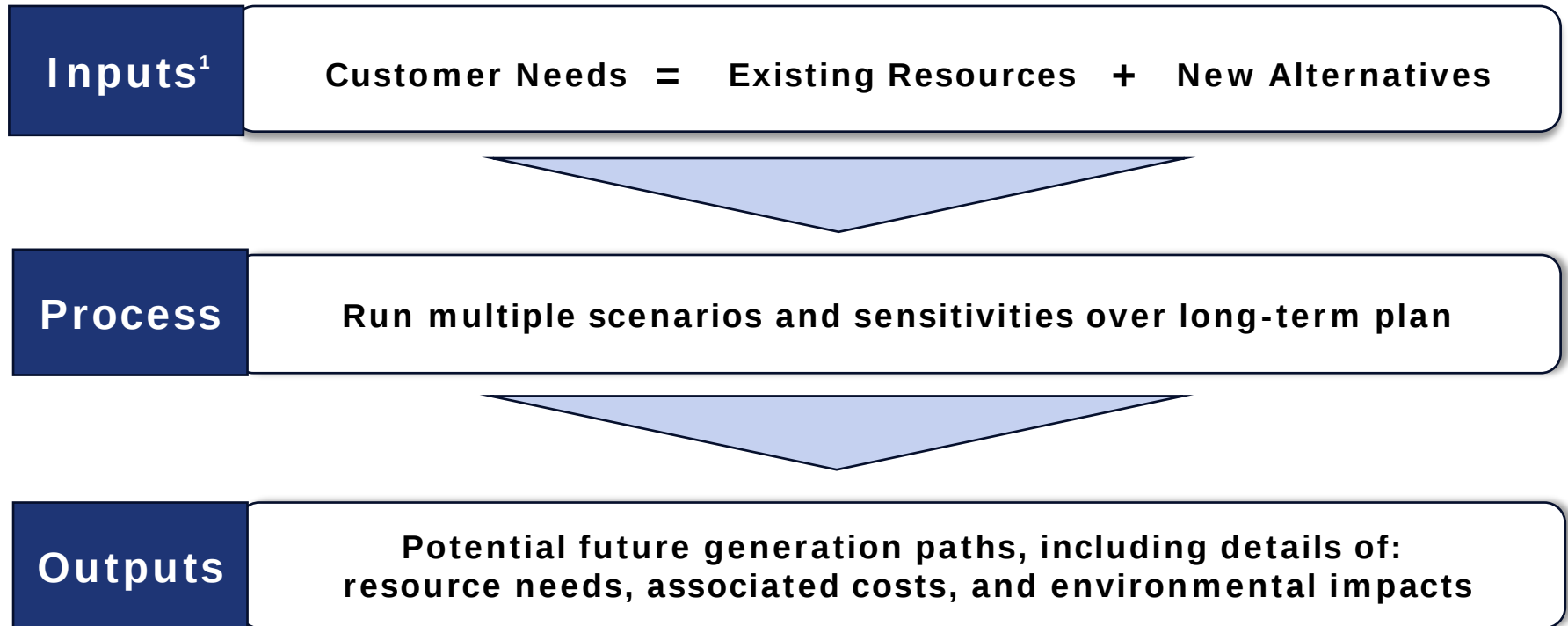
Clean Energy Standard: Introduced the Clean Energy Standard of 80% by 2035 and 100% by 2040

4

IRP Filing Provisions: Expanded the IRP filing requirements to include environmental justice and affordability analyses

The 2026 IRP will provide a pathway for meeting these new standards

IRP modeling forecasts customer needs, system and fleet resources many years into the future



An IRP is developed through evaluating customer needs and how to meet those needs reliably while balancing affordability as we continue to decarbonize



Customer Needs
over 20 yrs



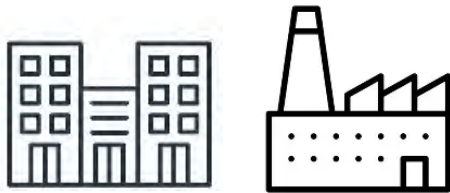
Existing Resources



+ New Alternatives



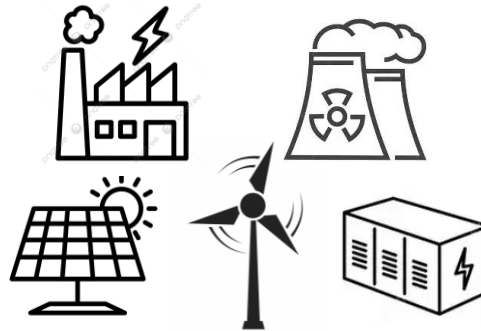
Residential



Commercial & Industrial

- How much energy do we need to produce?
- How can customer energy needs change over time?

Resources



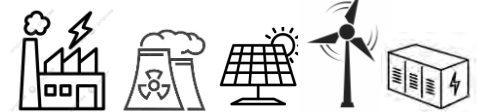
Energy Demand Management



- Do we have enough existing resources to meet customer needs reliably?
- What is the cost and performance of the existing resources over time?
- What are possible retirement options for existing resources?

Examples:

Build, convert or retire



Emerging Technologies

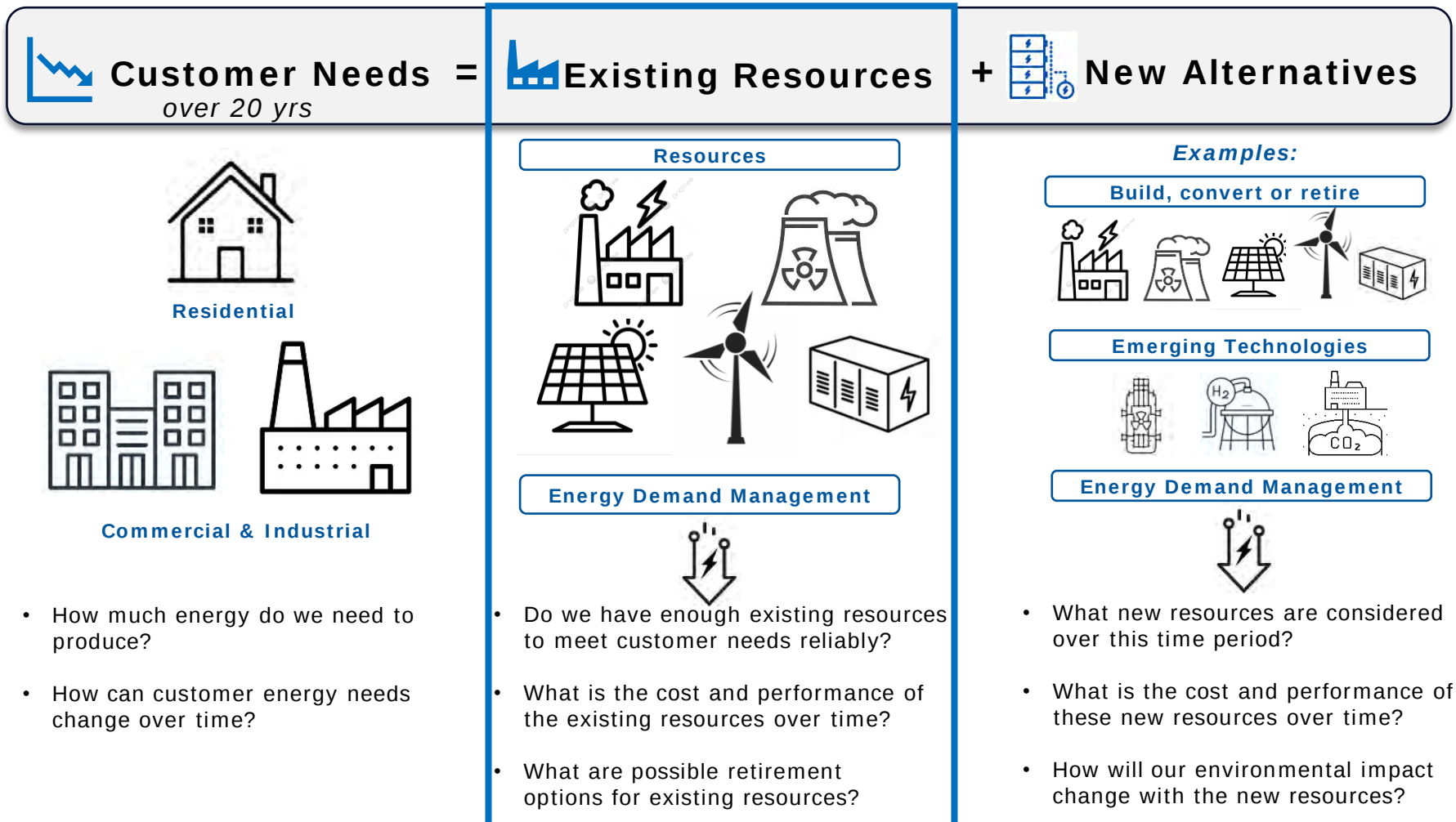


Energy Demand Management



- What new resources are considered over this time period?
- What is the cost and performance of these new resources over time?
- How will our environmental impact change with the new resources?

An IRP is developed through evaluating customer needs and how to meet those needs reliably while balancing affordability as we continue to decarbonize



An IRP is developed through evaluating customer needs and how to meet those needs reliably while balancing affordability as we continue to decarbonize



Customer Needs

over 20 yrs



Existing Resources



New Alternatives

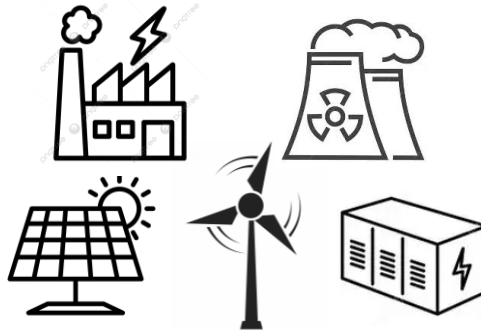


Residential



Commercial & Industrial

Resources



Energy Demand Management

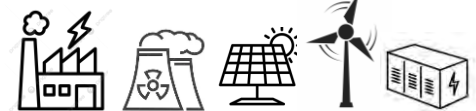


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Emerging Technologies



Energy Demand Management

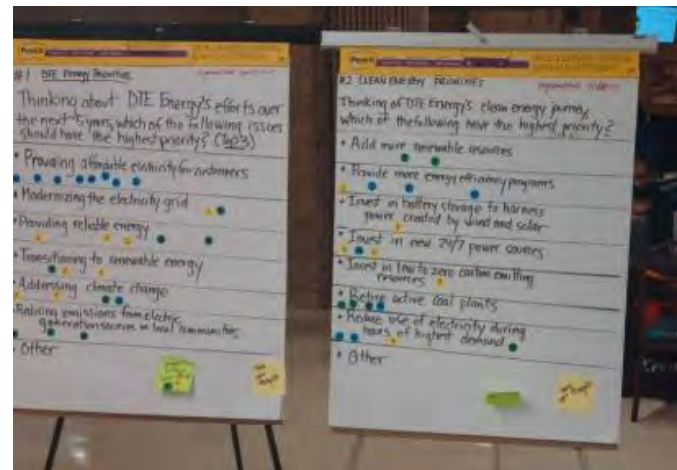
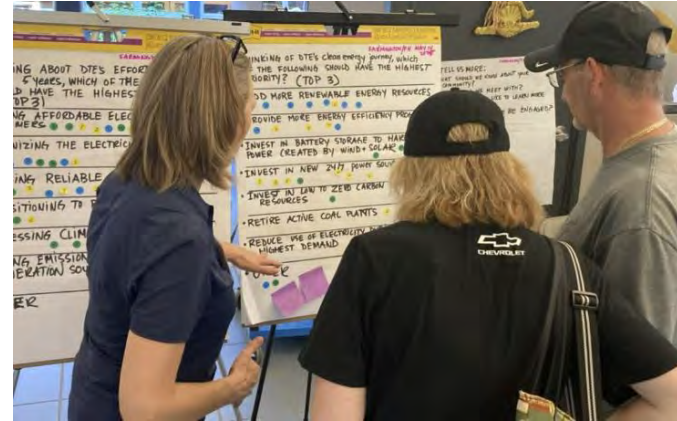
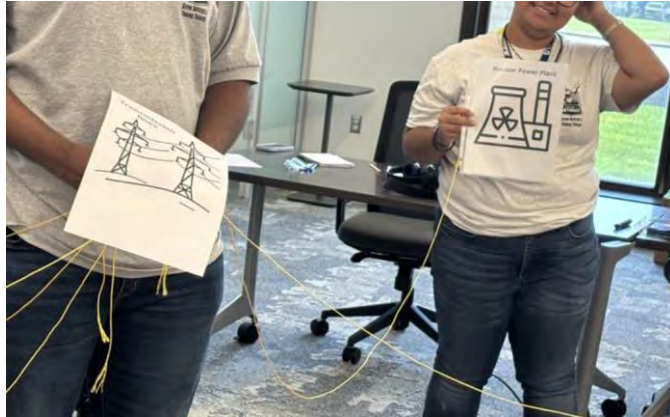


- What new resources are considered over this time period?
- What is the cost and performance of these new resources over time?
- How will our environmental impact change with the new resources?

Technical Stakeholders provide detailed feedback on the IRP Modeling process

Technical Stakeholder Workshops	Purpose	Date
Session #1	• 2022 IRP and changing requirements for the 2026 IRP	October 22, 2025
Session #2	• Assumptions and modeling approaches for distributed generation and energy resources • Scenarios and sensitivities	December 11, 2025
Session #3	• Assumptions and methodologies in the load forecasting and energy waste reduction (EWR) processes • Technology alternatives	January 29, 2026
Session #4	• Three phased reliability modeling approach • Supplemental analyses involved in IRP process	March 10, 2026
Session #5	• Common trends in modeling results	May 7, 2026

Customers have been engaged throughout the planning process through various channels



After stakeholder feedback is considered, our IRP proposal is developed and filed with the MI Public Service Commission for a formal review process

DTE's 2022 IRP Application

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the Application of
DTE ELECTRIC COMPANY for
approval of its Integrated Resource Plan
pursuant to MCL 460.66, and for other relief

Case No. U-21193

APPLICATION

DTE Electric Company ("DTE Electric" or the "Company") respectfully requests that the Michigan Public Service Commission ("MPSC" or the "Commission") issue an order approving the Company's Integrated Resource Plan ("IRP") pursuant to Section 6t of 2006 PA 341, MCL 460.66, the Commission's September 24, 2021 and February 18, 2021 orders in Case No. U-20633, February 18, 2021 and December 20, 2017 orders in Case No. U-18461, November 21, 2017 order in Case No. U-18418, and all other applicable law. In support of this Application, DTE Electric states as follows:

I. INTRODUCTION

1. DTE Electric is a wholly owned subsidiary of DTE Energy that supplies retail electric service to customers located in Michigan. The Company's business address is One Energy Plaza, Detroit, Michigan, 48226. Any correspondence concerning this application shall be directed to its attorneys at their business address provided below.

2. DTE Electric's retail electric business is subject to the jurisdiction of the Commission pursuant to various provisions of 1909 PA 106, as amended, MCL 460.551, *et seq.*, 1919 PA 419, as amended, MCL 460.54, *et seq.*, 1939 PA 3, as amended, MCL 460.1, *et seq.*, including 2016 PA 341 ("the Act"). Pursuant to these statutory provisions, the Commission has the power and jurisdiction to regulate DTE Electric's retail electric rates.

DTE ELECTRIC COMPANY
STATEMENTS AND DIRECT TESTIMONY OF JOYCE E. LESLIE

is your full name, title, business address and by whom you are employed?

me is Joyce E. Leslie, Director (she/her/hers). My business address is One Energy Plaza, Detroit, Michigan 48226. I am the Director of Business Planning and Development and am employed by DTE Electric Company (DTE Electric or the Company).

on whose behalf are you testifying?

testifying on behalf of DTE Electric.

is your educational background?

I graduated from Central Michigan University with a Bachelor of Science Degree in Business Administration, Accounting, and a minor in Economics. I received my master's degree in Business Administration from the University of Michigan.

what work experience do you have?

I began my career with Deloitte & Touche in the Auditing division as a Senior Auditor and worked there for two and a half years. I began working for MCN Group, Inc. in 1996, as an accountant prior to its merger with DTE Energy. Over the years, I held a number of positions with increasing leadership responsibilities in areas that include Energy Trading, Enterprise Risk Management, Financial Reporting, Gas Financial Support, Investor Relations, Electric Strategy and Planning, and Business Planning and Development.

JEL-1

S. D. BURGDORF
U-21193

our projection of a reasonable range for potential MISO Zone 7 resource positions compared to the LCR and PRMR for Planning Years 2023/24, 2025/26, 2026/27 and 2027/28?

shows a range of MISO Zone 7 resource positions compared to the LCR and PRMR based on recent MISO data from the 2022 LOLE report, LCR results from PY 2022/23 and adjusting the MPSC Staff Report for capacity demonstrations in Case No. U-21099 for DTE Electric resource and estimated Consumers Energy resource changes.

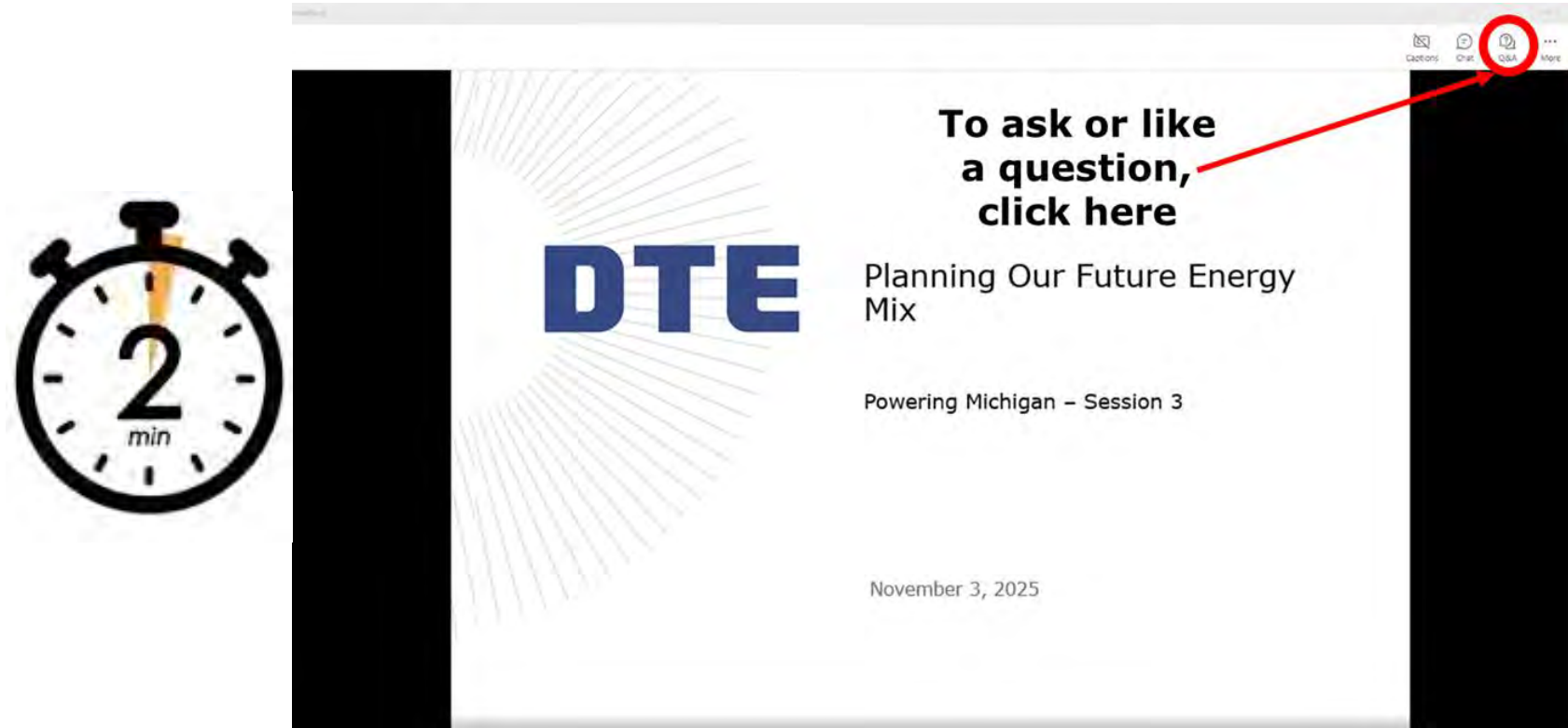
Resource Adequacy for Planning Year 2022/23 and forecasts for 2023/24, 2024/25, 2025/26, 2026/27 and 2027/28

	PV 2022/23	PV 2023/24	PV 2024/25	PV 2025/26	PV 2026/27	PV 2027/28
Standard (MW)	20,920	22,942	21,738	21,607	21,521	21,336
Capacity post-sum of:	119.4%	119.4%	119.4%	119.4%	119.4%	119.4%
Capacity post-sum of:	121.2%	121.2%	121.2%	121.2%	121.2%	121.2%
by Requirements (LCR -)	24,978	25,005	25,082	25,799	25,606	25,519
LCR Limit (LCR -)	3,749	3,087	3,200	3,200	3,200	3,200
Requirement (LCR -)	19,918	20,295	20,712	20,609	20,406	20,406
LCR (MW/UCAP)	21,499	22,638	22,864	22,921	22,979	22,979
LCR (Line 6 - Line 5)	280	456	299	(767)	(304)	(142)
LCR Position without Line 7 - 1,215 MW		3,730	3,569	1,400	1,971	3,130
LCR Margin Requirement	21,886	22,174	22,419	22,696	22,815	22,484
Line 5)	656	571	1,060	(2,023)	(2,008)	(2,008)
LCR Position without Line 6 - Line 9 - 1,215		2,297	2,124	1,084	2,007	2,006
LCR Position without Line 6 - Line 9 - 1,215				(1,689)	(3,251)	(1,121)

2023 Loss of Load Expectation Report including known DTE peak load changes 2023 and 2023/24 are actual. Other years based on historic range of LCR values 2023 is actual. Other years based on 2022-23 LCR Study Report including known DTE resource changes (DTE resource changes) 2023 is actual. Other years based on 2022-23 LOLE Report adjusted for DTE peak load changes

SDB-22

Please post or send your questions



The screenshot shows a Microsoft Teams meeting interface. On the left, a large black vertical bar contains a white stopwatch icon with the number '2' and 'min' below it. The main content area features the DTE logo (a stylized sunburst) and the text 'DTE' in large blue letters. To the right of the logo, the text reads: 'To ask or like a question, click here' (with a red arrow pointing to the Q&A icon in the top right corner), 'Planning Our Future Energy Mix', 'Powering Michigan – Session 3', and 'November 3, 2025'. The top right corner of the meeting window shows icons for 'Captions', 'Chat', 'Q&A' (circled in red), and 'More'.

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Your voice matters!



Share your
comments or
questions:



Email us:

IRP: dte_electric_cleanvision@dteenergy.com

DSP: DTE.DSP@dteenergy.com



Learn more:



dtecleanenergy.com