



Planning Our Future Energy Mix

Powering Michigan – Session 3

November 3, 2025

Helpful Hints – Closed Captioning

Microsoft Teams meeting

LIVE

For Closed Captioning, click here

DTE

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Captions Chat Q&A More Leave



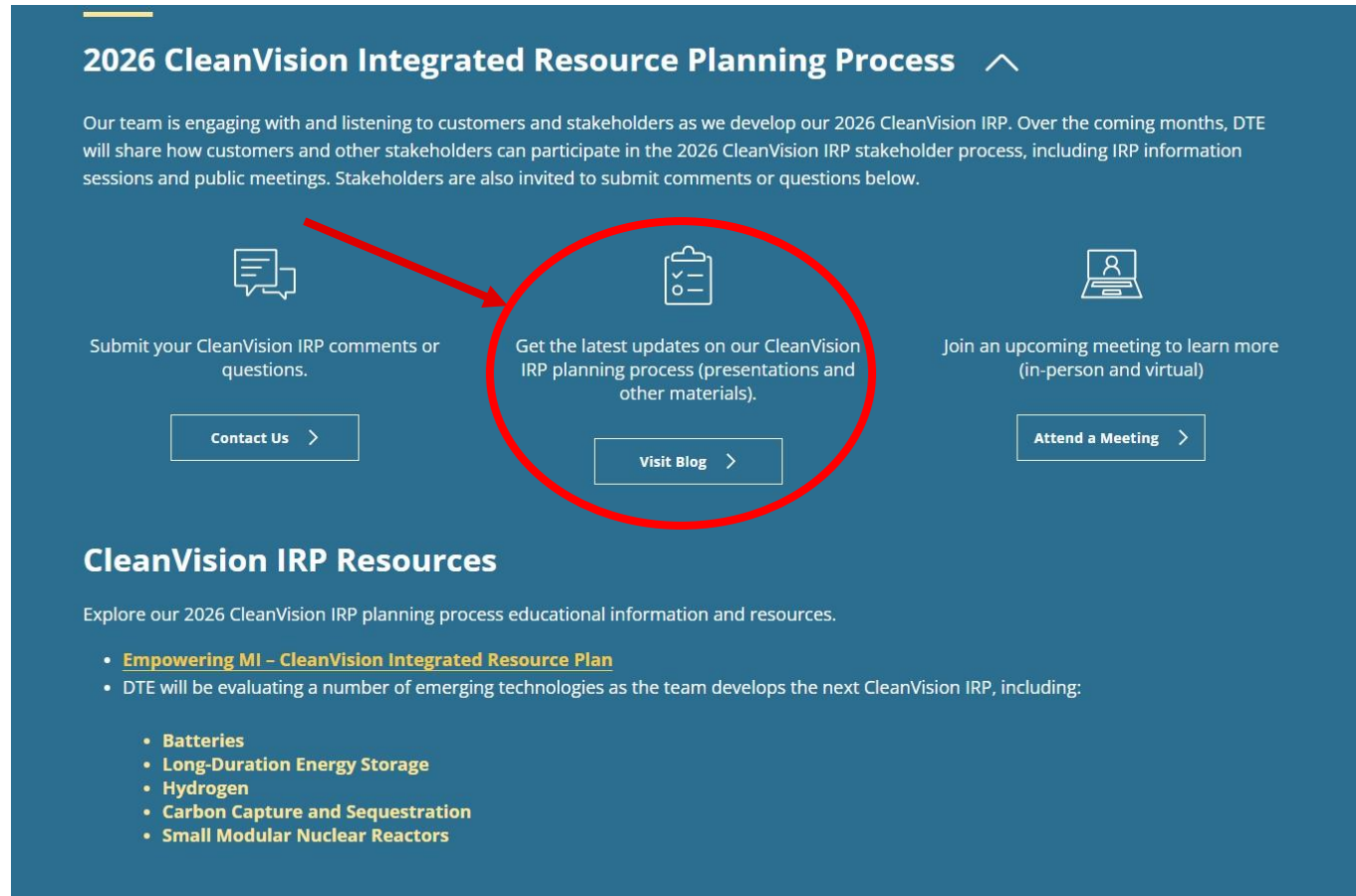
Helpful Hints – Q&A



- 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

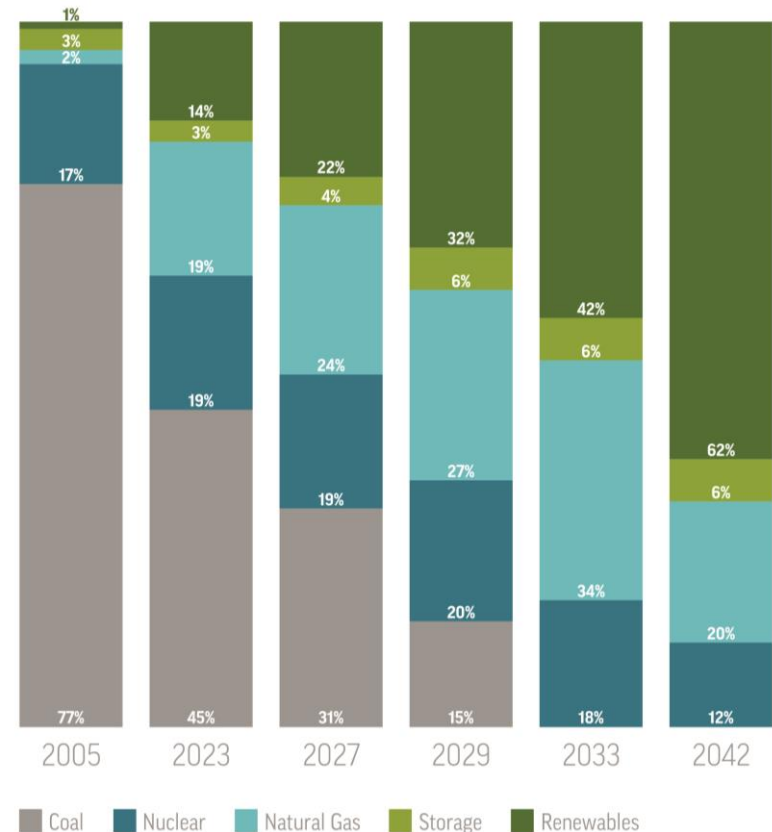


- 4,100 MW
Coal plant retirements



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

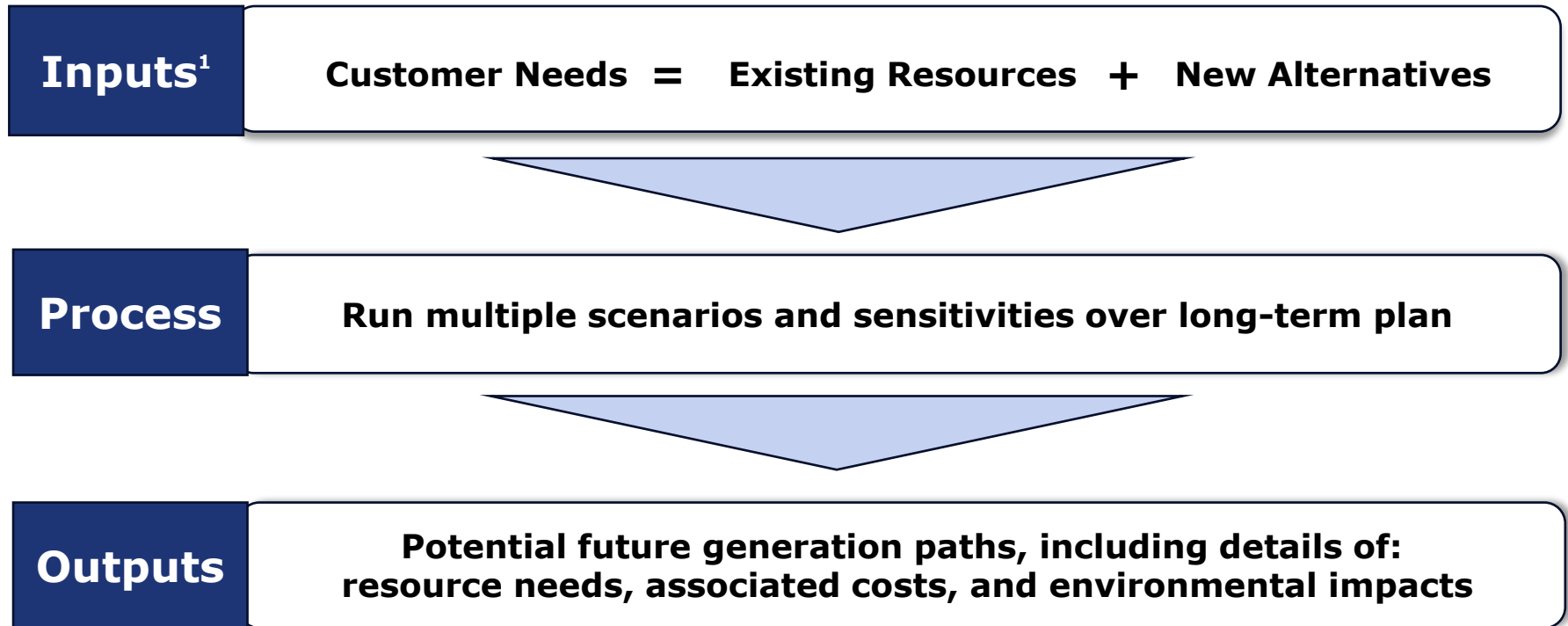


MI Clean Energy Legislation¹

- 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

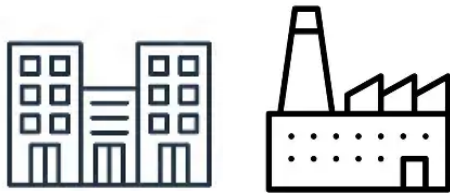


Customer Needs

over 20 yrs



Residential



Commercial & Industrial

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

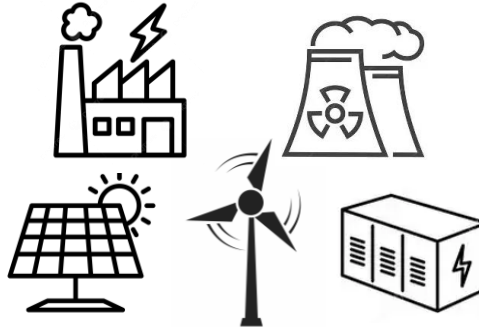


Existing Resources



New Alternatives

Resources



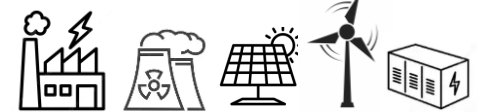
Energy Demand Management



- 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

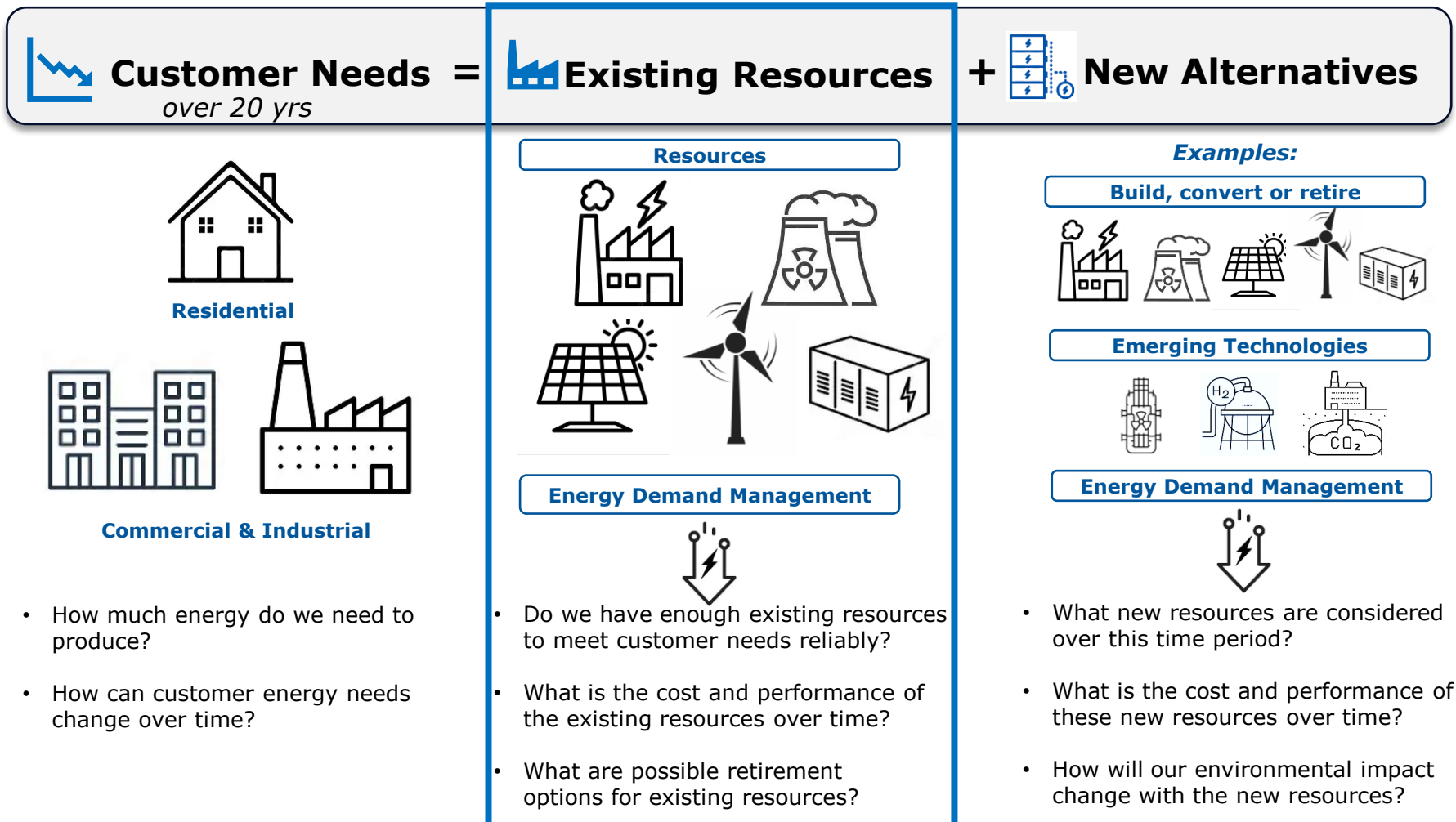


Energy Demand Management



- 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



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Customer Needs

over 20 yrs



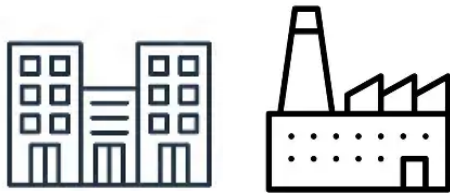
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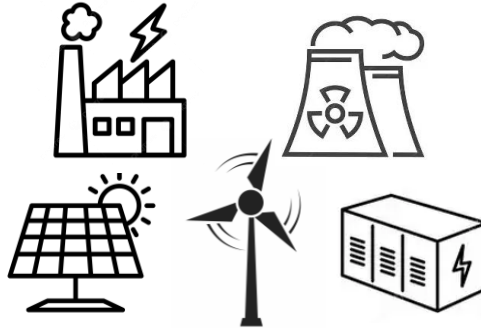


Residential



Commercial & Industrial

Resources



Energy Demand Management

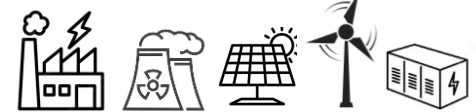


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- How can customer energy needs change over time?

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Energy Demand Management

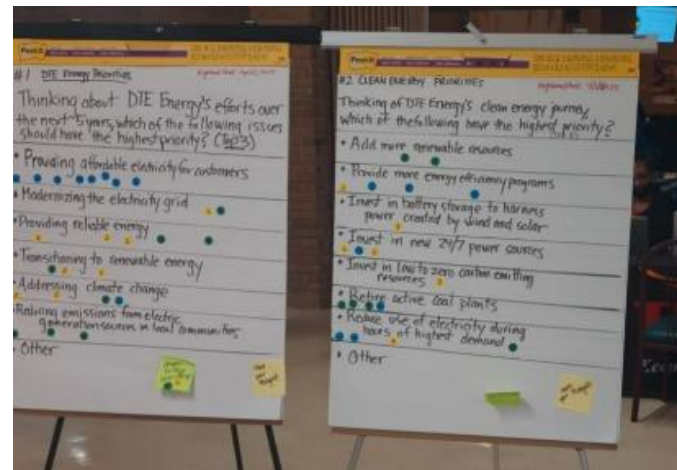
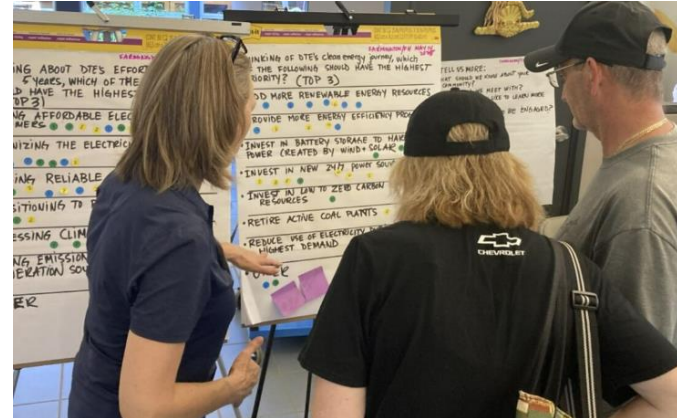
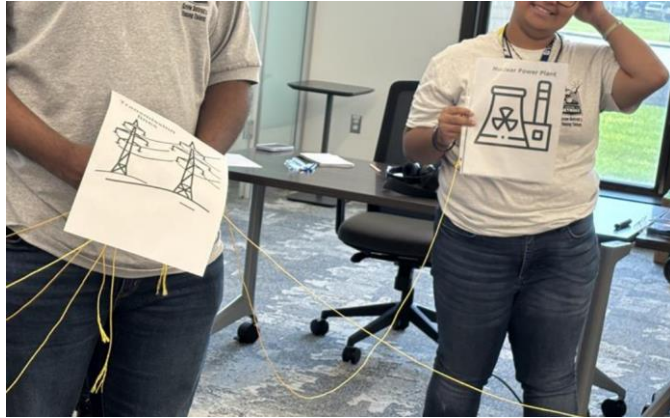


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- How will our environmental impact change with the new resources?

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



DTE's 2022 IRP Application

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Please post or send your questions



A screenshot of a Microsoft Teams meeting interface. The main content area displays the DTE logo, the title 'Planning Our Future Energy Mix', the subtitle 'Powering Michigan – Session 3', and the date 'November 3, 2025'. On the left side of the meeting window, there is a large black vertical bar. On the right side, there is another large black vertical bar. In the top right corner of the meeting window, there is a toolbar with icons for 'Captions', 'Chat', 'Q&A', and 'More'. The 'Q&A' icon is circled in red, and a red arrow points from the text 'To ask or like a question, click here' to it. The text 'To ask or like a question, click here' is located in the top right corner of the meeting window, above the toolbar.

- If on Teams App: *Post question in the Q & A*
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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:



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