



**CleanVision Plan**

**First Public Open House**

January 18, 2022

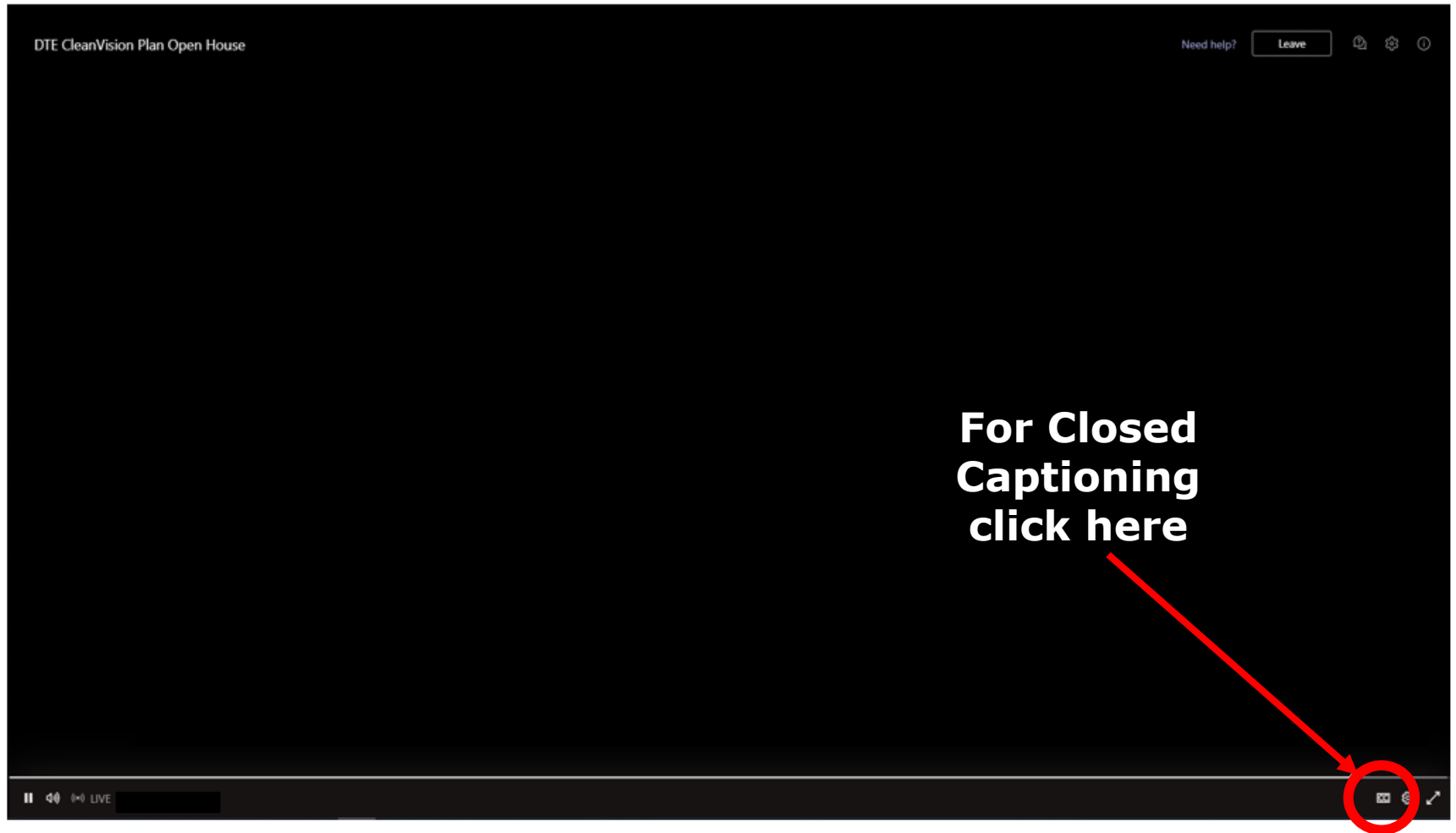
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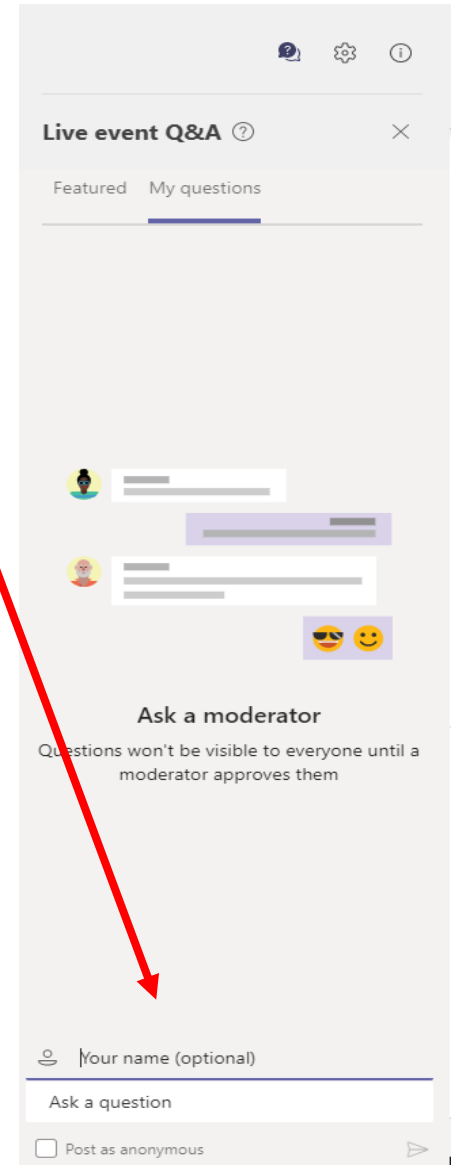
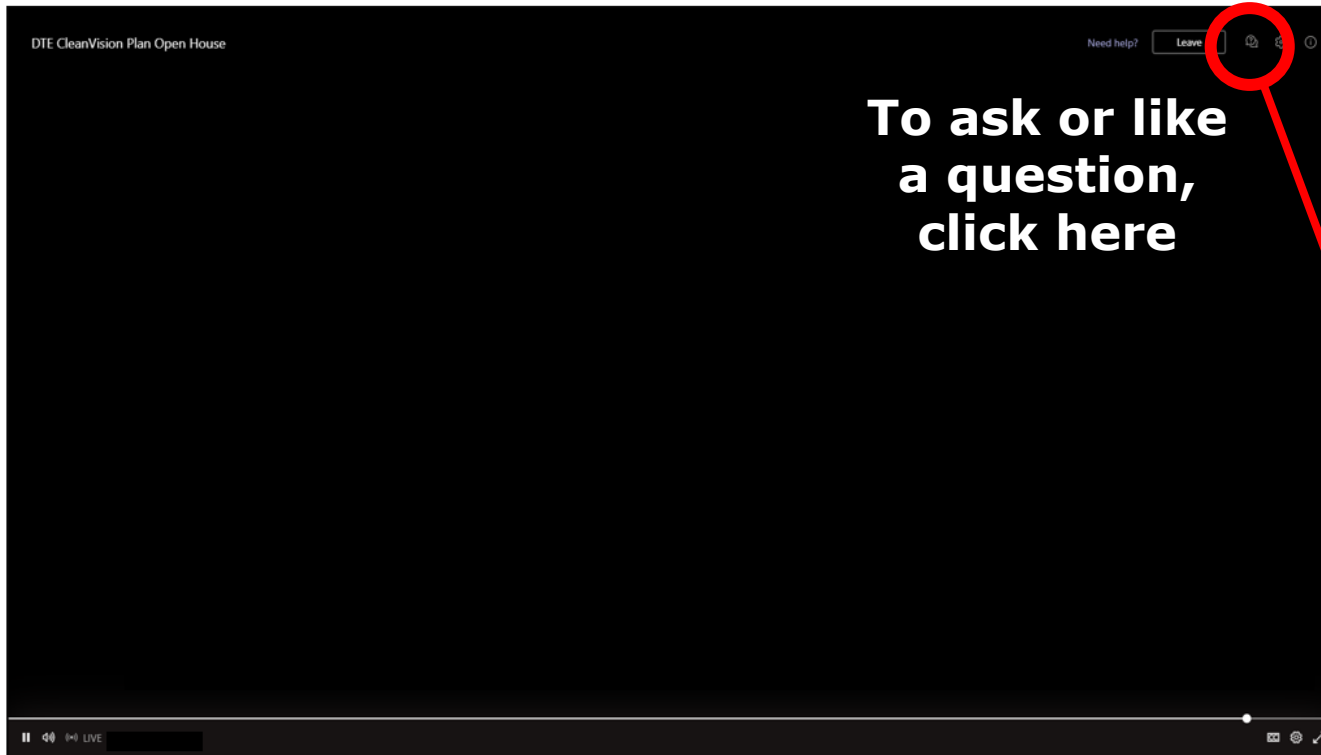
# Meeting logistics

- This meeting is being recorded
- Live closed captioning is available
- The DTE overview presentation will be followed by details on how to provide comments on the CleanVision Plan
- This presentation is available on the website [dtecleanenergy.com](https://dtecleanenergy.com)
- We will be sharing a Microsoft Forms link for a brief survey in the chat to collect feedback
- Questions or comments can be submitted anytime during this event by using the "Q&A" function in the top right-hand side of your screen
  - We will queue up audience questions and comments after the initial presentation
  - Please include your name in the question/comment
- Additional opportunities for public input will be available in the remaining three open house sessions and through the comment section on the website
- The presentations, transcripts and recordings for all public meetings will be posted to [dtecleanenergy.com](https://dtecleanenergy.com)
- If you are having technical difficulty, please contact [DTE\\_Electric\\_CleanVision@dteenergy.com](mailto:DTE_Electric_CleanVision@dteenergy.com) ([link](#))

# Helpful Hints – Closed Captioning



# Helpful Hints – Q&A



# Agenda and Upcoming Dates

## **Public Open House #1: January 18, 2022**

### **Today's agenda**

- What is DTE Electric's CleanVision Plan?
- Integrated Resource Plan (IRP) Overview
- IRP Process and Inputs
- Recap of 2019 IRP and Planning Objectives
- Survey Questions and Feedback Process

## **Save the Date: Upcoming Open House Dates**

#2: February 22

#3: March 22

#4: April 19

**Please check our website for updates and  
upcoming meeting logistics:**

[dtecleanenergy.com](https://dtecleanenergy.com)



# What is an Integrated Resource Plan (IRP)?



- **An IRP is a comprehensive plan to meet electricity needs of a power company's customers 5, 10, and 15 years into the future**
- **An IRP details the planned resources that a power company will use to deliver reliable, affordable electric supply to its customers**
- **Electric utility IRP filings are required by the State of Michigan**

# IRP Modeling is a key component of long-term generation planning

## Inputs to the model

 **Customer Needs** =  **Existing Resources** +  **New Alternatives**

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

**Run multiple scenarios and sensitivities over long-term planning period**

## Outputs of the model

**Potential future generation paths, including details of resource needs, associated costs, and environmental impacts**



Many factors are considered in the IRP, including energy use, new and existing generation cost and performance, environmental regulations, affordability, and reliability impacts



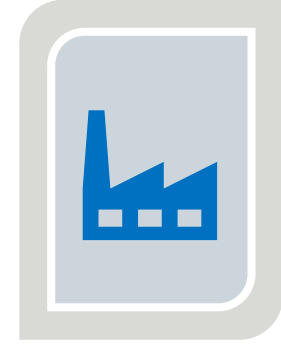
Energy Sales Forecast



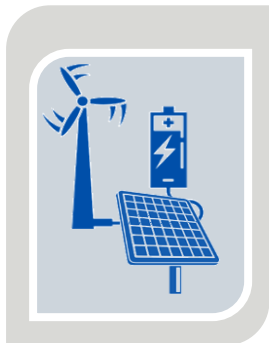
Energy Efficiency or Energy Waste Reduction (EWR)



Demand Response



Existing Generation



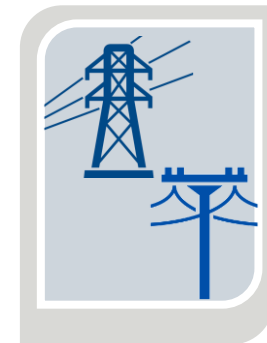
New Generation



Distributed Energy Resources

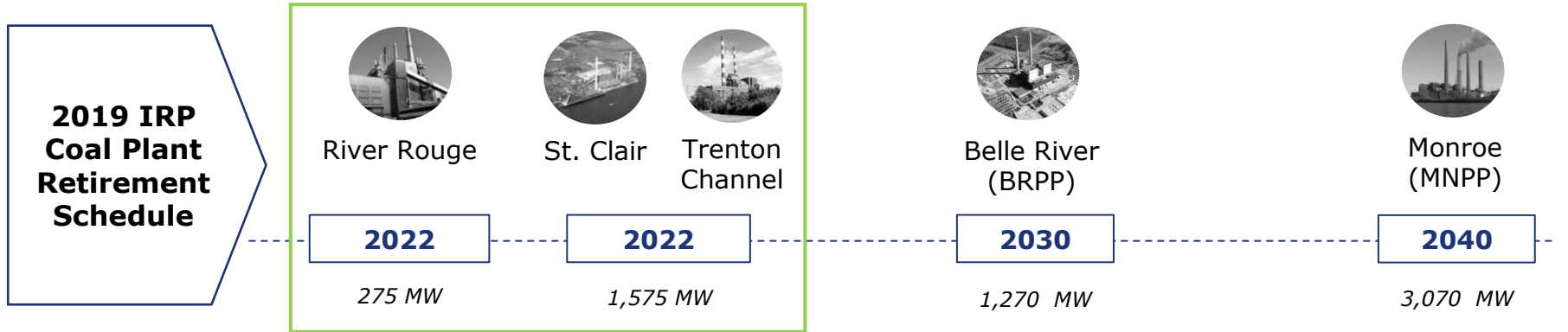


Environmental Regulations



Transmission & Distribution

The outcome of the most recent (2019) IRP included the accelerated retirements of three coal plants, an increase in renewable power, and higher levels of energy efficiency<sup>1</sup>



**Excerpts of 2019 IRP Resource Additions through 2025**

**Michigan’s Renewable Portfolio Standard (15%)**

- Wind ~395 megawatts (MW)
- Solar ~130 MW

**MIGreenPower Voluntary Renewable Customer Demand**

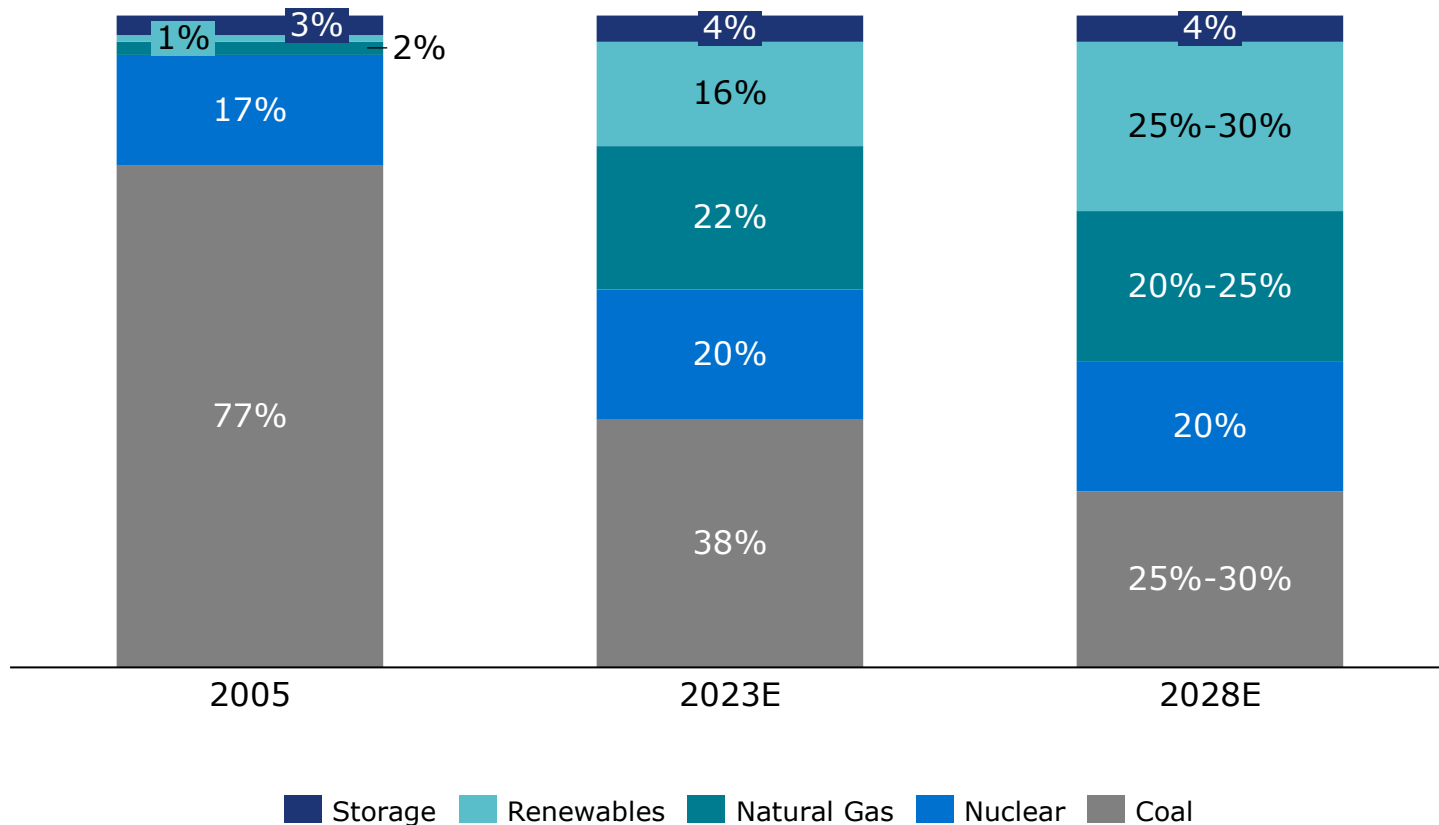
- Wind 465 MW
- Solar 335 MW

**Demand-Side Management Programs**

- Increase energy waste reduction from 1.75% annually to 2%; state requirement is 1%
- Increase demand response from 709 MW to 859 MW by 2024

# DTE is making a measured transition toward cleaner, more diverse energy sources

## Cleaner Generation Mix<sup>1</sup> (MWh)



1. Generation mix represents one potential pathway and is subject to change

# As we look ahead to the October 2022 IRP, five Planning Objectives<sup>1</sup> will guide our decisions



## **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**

## Participant survey questions

1. What are areas of interest relative to the CleanVision Plan that you would like to engage in at future Public Open House meetings? (Please select up to 3)
2. What is your top priority from the Planning Objectives?
3. Do you have suggestions on how to best engage in a virtual environment?

[Survey Live Link](#)

Survey is open now and will remain open until January 19 at 12 Noon

DTE is looking to engage you in the process; three additional meeting dates for public open houses are planned

## Save the Date:

### Upcoming Open Houses

**#2: February 22**

**#3: March 22**

**#4: April 19**

- Details for upcoming meetings will be provided on our website closer to the event dates
- Please complete the short 5-minute survey – we appreciate your feedback to help us plan for the upcoming open houses
- Presentations, recordings, and transcripts for all meetings as well as a FAQ document will be posted on our website: [dtecleanenergy.com](http://dtecleanenergy.com)
- Feel free to email us your thoughts, comments and questions at any time: [DTE\\_Electric\\_cleanvision@dteenergy.com](mailto:DTE_Electric_cleanvision@dteenergy.com)



# Questions



# Thank You!

Thank you for joining us!

- Please complete the survey prior to noon on January 19<sup>th</sup>
- You may find additional information, including a copy of this presentation, on our website [dtecleanenergy.com](http://dtecleanenergy.com)
  - We will be posting recordings and transcripts of today's public meetings on our website in the coming days
  - Please check on our website for future meeting information, including time and meeting links
- You may also find an FAQ on our website; we would like your feedback on any additional questions you may have
- Please submit your question(s) or comments on our website, linked above, or at [DTE\\_Electric\\_CleanVision@dteenergy.com](mailto:DTE_Electric_CleanVision@dteenergy.com) ([link](#)) at any time