

# Energy Waste Reduction Low Income Workgroup

December 07 , 2023



# Agenda

Welcome	Brad Banks, Energy Waste Reduction Section, MPSC
DTE Bi-Annual EV Update	Isabella Broгна, DTE
Legislative Reports Michigan Senate Bills 271, 273, 502	Marty Kushler, ACEEE  Alexis Blizman, Ecology Center  Mike Berkowitz, Elevate  Carlee Knott, Michigan Environmental Council  Derrell Slaughter, Natural Resources Defense Council
Close & Adjourn	Brad Banks, Energy Waste Reduction Section, MPSC



# Charging Forward Equity-Focused EV Programs

MPSC Low-Income Workgroup

December 7, 2023

On November 18, 2022, MPSC approved two of the three equity-focused proposals for DTE's Charging Forward Expansion in Case Number U-20836

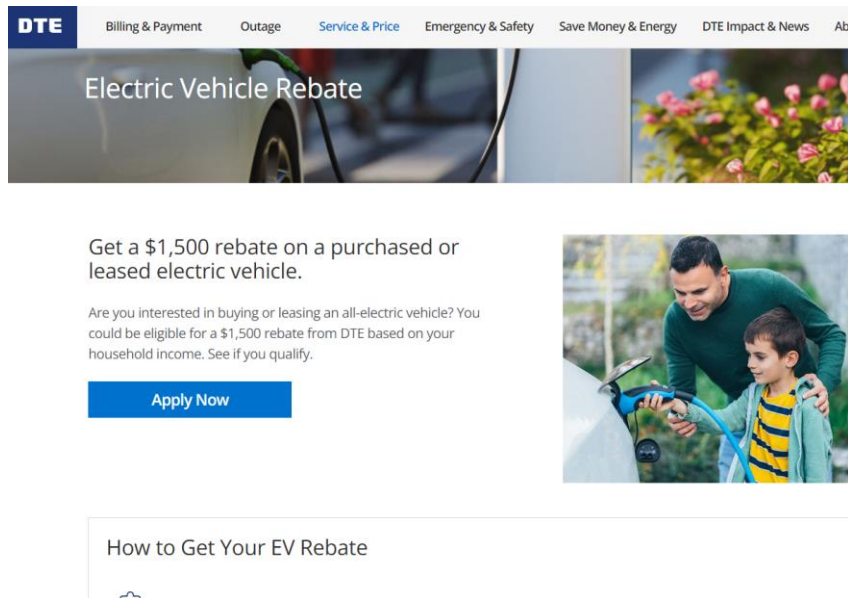
## Equity-Focused Proposals in Charging Forward Expansion

Expansion Element	Approved?	Description
<b>Focus of Today's Discussion</b>		
EV Rebate (formerly <i>Income-Eligible EV Rebate</i> )	Approved	\$1,500 rebate for residential customers who purchase or lease a BEV <sup>1</sup> and meet income criteria
Business Charger Installation (formerly <i>Commercial Charger Installation</i> )	Approved	Charger installation program for underserved customer segments in which DTE will own and install electrical infrastructure leading up to the EV charger
TNC <sup>2</sup> Driver Rebates	Not Approved	\$5,000 rebate for TNC drivers who are DTE Electric residential customers and purchase or lease a BEV

**DTE agreed with Staff's request for DTE to engage in periodic check-ins with the Commission's Low-Income Workgroup and Energy Affordability and Access Collaborative, to provide updates on the approved equity-focused programs**

EV Rebates launched on March 17, offering \$1,500 to customers who purchase or lease a BEV<sup>1</sup> and who meet the program's income eligibility requirements (under 400% FPL<sup>2</sup>)

## New [Webpage](#) on DTE's EV Website (added end of Q2)



## Customer Journey



1. A Battery Electric Vehicle, or BEV, is a vehicle that relies solely on electricity drawn from an external source and stored in a battery to power a motor for propulsion
2. Federal Poverty Level, common term used for the [U.S. Department of Health and Human Services Poverty Guidelines](#)
3. This step not needed if, now or in the past 12 months, the customer was enrolled in the Shutoff Protection Program and/or received energy assistance from any of the following programs: Home Heating Credit, State Emergency Relief, or Michigan Energy Assistance Program

Since April 30, 420 additional applicants have applied, and over 130 applicants were approved for the EV Rebate

**Overview of Program Key Performance Indicators (KPIs)**  
*(as of 11/30/23)*

Type	KPI
Total Applicants	450
Approved Applicants	140
Average Household Income of Approved Applicants	~240% FPL

**Program Updates**

- The EV Rebate was marketed via emails, messages on customer bills, digital ads, social media, and print handouts at in-person events
- Most applicants are rejected because either their household income exceeds 400% FPL or their vehicle price is over the \$50,000 total taxable price restriction
- DTE intends to further expand marketing to include personal outreach to local dealerships, so dealerships can educate customers on the EV Rebate at the point of sale



Business Charger Installation aims to increase customer participation in Charging Forward from four particular customer segments

## Key Customer Segments for Business Charger Installation

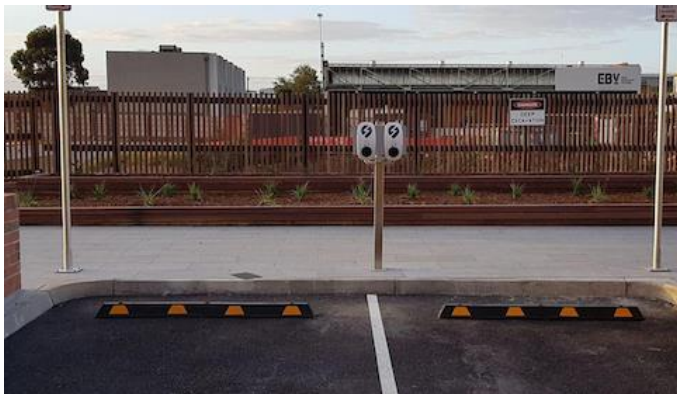
### Gaps in DCFC<sup>1</sup> Coverage (e.g., Rural)



### Municipalities



### LMI<sup>2</sup> Multi-Unit Dwellings



### Disadvantaged Communities



# Interest in Business Charger Installation is high and DTE is utilizing key partnerships to create a pipeline of sites

## Segment Results

Segment	Ports Identified
Rural DCFCs	2
Municipalities	30
LMI Multi-Unit Dwelling	0
Disadvantaged Communities	114

## Details by Segment

- Rural DCFCs – waiting on electrician quote for a site in Pigeon, MI
- Municipalities – waiting for final approval from two city councils (DTE partnering with GM’s [Dealer Community Charging Program](#))
- LMI Multi-Unit Dwellings – working with one non-LMI apartment complex (four Level 2 ports); looking for connections to interested LMI multi-unit dwellings
- Disadvantaged Communities – partnering with Dunamis Charge to install 110 Level 2 ports at faith-based organizations by end of 2024; drafting scope of work between Dunamis and DTE





# Winning Clean Energy Legislation

December 7, 2023

---



# Michigan's Climate Goals

- 50% renewable energy by 2030 is needed to reach economy-wide carbon neutrality by 2050 – MI Healthy Climate Plan
- Globally, the eight warmest years in recorded history have occurred since 2015, a trend the United Nations' IPCC has called “a code red for humanity”
- Michigan must do our part to limit greenhouse gas emissions and slow climate impacts including:
  - Severe weather events that have caused millions of Michiganders to lose power
  - Widespread floods and sewer backups in Southeast Michigan from intense rainstorms
  - Major crop failures from erratic spring temperatures
  - Poor air quality from wildfire smoke

## Topline Benefits of the Legislation

- Requires utilities to build more renewables and faster than they were previously committed to.
- Reduces barriers to renewable energy development.
- Residents will get a lot more help making their homes more energy efficient and low-income Michiganders will have guaranteed programs to help them save money.
- Climate, health, equity and affordability will be explicitly considered in utilities' long-range energy plans for the first time.
- Citizen access to the regulatory process is significantly expanded.
- The state will monitor and support the community and worker transition to a clean energy economy.

# Status Quo for Renewable Energy

- 15% Renewable Energy Standard by 2021
- Tire & plastic burning, biomass, landfill gas, methane digesters all allowed as renewables
- 1% cap on DG and projects limited to 150 kW
- No storage target
- No clean energy target
- Utilities have made commitments to build renewables and storage through their IRPs

# Senate Bill 271

## Clean Energy Standard

- 50% Renewable Energy by 2030, 60% Renewable Energy by 2035
- Tire burning and plastic burning banned as renewables; Kent Co. waste incinerator, some forms of biomass, landfill gas, and methane digesters allowed as renewables.
- 80% Clean Energy by 2035, 100% Clean Energy by 2040
- Nuclear, renewables, and carbon capture at methane plants defined as clean
- 2,500 MWs of storage by 2030
- Increase DG cap to 10% and project size to 550 kW



# Status Quo for Energy Waste Reduction

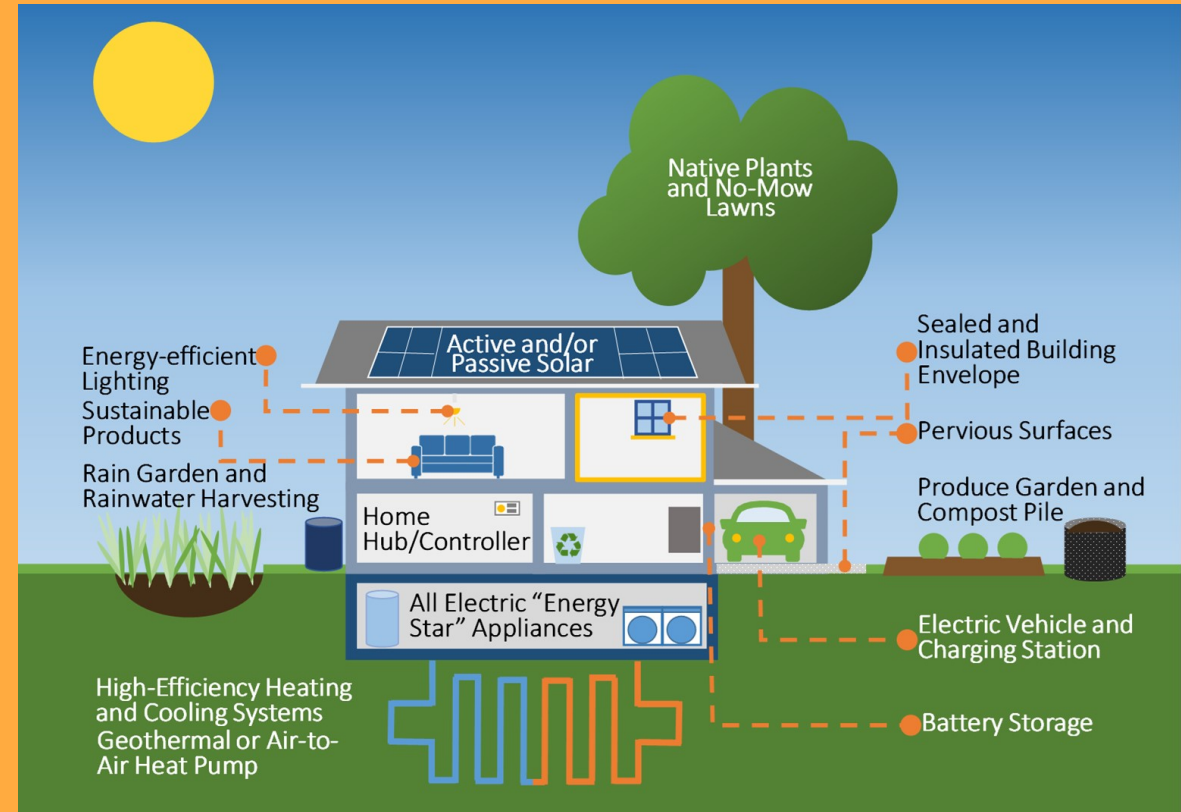
- 1% annual standard for electric and 0.75% for gas.
- Municipal and cooperative utilities have no EWR requirements
- No minimum state law requirement for low-income participation
- Electrification not authorized
- Small utility pilots for health and safety repairs
- No requirements for building shell improvements or workforce development



# Senate Bill 273

## Energy Waste Reduction

- Minimum 1.5% for electric
- Minimum 0.875% for gas
- Municipal and Co-op utilities have to meet the above requirements as well
- Voluntary electrification programs
- Minimum low-income spending of 25% for electric & 35% for gas
- Require health and safety repairs and building shell improvements
- Require workforce development for providers with >50,000 customers



# Status Quo for Utility Regulation

- No explicit authorization for MPSC to consider climate, affordability, or equity in utility long-range plans.
- Base funding of \$650K for advocates to intervene in utility cases and \$900K for the AG
- Public hearings only required in IRP cases

# Senate Bill 502

## Michigan Public Service Commission Authority

- Expands MPSC authority to consider climate, affordability, and equity in the integrated resource plan cases
- Increases base funding to \$2 million for advocates and \$1.8 million for the AG
- New requirement for the MPSC to host 4 public hearings a year
- Requires the Commission to open a docket focused on enhancing public involvement in decision-making, particularly in rate case filings, prioritizing accessibility, transparency, and responsiveness to the needs of low-income and high energy-burdened communities.



Questions?

# SB 519 Just Transition

- Creates the Community and Worker Economic Transition Office within the LEO and requires the Office to coordinate efforts related to its mission of assisting workers and communities during the State's renewable energy transition

## Economic Impact

- Lower household energy costs by \$145 a year by 2035
- Renewable energy is cheaper than coal, the levelized cost of energy from coal is \$133 per MWh and renewable energy is only \$64 per MWh
- 160,000 jobs created by 2050 – jobs in vehicle electrification, wind and solar manufacturing and installation, battery storage, industrial decarbonization, and energy efficient building upgrades
- The Inflation Reduction Act is investing \$5.3 billion in Michigan this decade. But the urgent passage of these policies is crucial to locking in these benefits. By delaying action even a year, the state would forfeit \$1 billion that could otherwise be directly invested in Michigan's businesses and communities



# Close & Adjourn

Thank You!