2050: An EV Vision

Mobility in a Carbon Neutral Michigan
PURPOSE

COORDINATE
Coordinate climate response activities

ADVISE
Advise state and local governments on how to mitigate climate impact and adapt to climate changes

PROVIDE GUIDANCE
Provide guidance for the reduction of greenhouse gas emissions, renewable energy and energy efficiency, and climate adaptation and resiliency.
Our Electric Vehicle Team

ROBERT JACKSON  
Electric Vehicle Infrastructure

BRANDY BROWN  
Climate & Energy Advisor

DEBRA SWARTZ  
Fuel Transportation Program
Emissions from mobile sources exceed emissions from stationary sources.
EV Charger Infrastructure Studies

Project to identify optimal locations for EV chargers and ensure feasibility of all long-distance trips for electric vehicle (EV) users within the state, also to neighboring states, and Canada.

Charge Up Michigan

EV Charger Placement project that aims to build the infrastructure for DC fast charging stations in the state of Michigan to ensure feasibility of all long-distance trips for electric vehicle (EV) users, within the state, and also to neighboring states and Canada.

Michigan Clean Diesel Program

Supports the U.S. EPA and DERA national program priorities and expand awareness of the benefits of pollution prevention strategies that reduce diesel emissions, which is granted to public and private organizations.

Fuel Transformation Program

Program to allocate Volkswagen Settlement funds in support of the Michigan Beneficiary Mitigation Plan.
The goals of the Michigan Beneficiary Mitigation Plan are:

**REDUCE NOx EMISSIONS**
To reduce NOx emissions and maximize air quality benefits statewide with an emphasis on priority areas (areas designated as non-attainment and maintenance areas for the National Ambient Air Quality Standards).

**REDUCE DIESEL EMISSIONS**
To reduce diesel emissions from school buses statewide.

**ZEV ADOPTION**
To increase adoption of zero emission vehicles (ZEV) and alternate fuel vehicles and equipment.
## Allocation Summary

**Fuel Transformation Program**

<table>
<thead>
<tr>
<th>Categories of Eligible Mitigation Actions</th>
<th>Funding Distribution</th>
<th>Percentage of Funds Allocated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 4-8: Local Freight Vehicles (Eligible Medium and Large Trucks and Port Drayage Trucks), Shuttle Buses and Transit Buses</td>
<td>$19,442,104.39</td>
<td>30%</td>
</tr>
<tr>
<td>Freight Switchers, Great Lakes Ferries/Tugs, Shore power, Port Cargo Handling Equipment and Forklifts, Airport Ground Support Equipment</td>
<td>$16,201,753.86</td>
<td>25%</td>
</tr>
<tr>
<td>Class 4-8 School Buses</td>
<td>$13,961,402.93</td>
<td>21.5%</td>
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<tr>
<td>Light-duty ZEV Supply Equipment</td>
<td>$9,721,052.19</td>
<td>15%</td>
</tr>
<tr>
<td>Diesel Emission Reduction Act (DERA) Option</td>
<td>$0</td>
<td>0%</td>
</tr>
<tr>
<td>Program Administration</td>
<td>$5,480,701.46</td>
<td>8.5%</td>
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<tr>
<td>Total</td>
<td>$64,807,014.63</td>
<td>100%</td>
</tr>
</tbody>
</table>

*Table 1: Eligible Mitigation Action Allocations*
EV Charger Infrastructure

Current Status

• There are 45 projects approved to date;
• Will continue to accept applications until funds are expended.
• Continue to focus on finding hosts for all nodes throughout the State and work with partners to expand the network even more.
Charge Up Michigan

EV Charger Infrastructure Cost

- State
- Utility
- Site Host

Apply online at:
https://www.michigan.gov/climateandenergy/0,4580,7-364-85453_85455-487842--,00.html