



Accelerating Climate Action

Detroit Climate Strategy - 2023



A Climate Strategy for Detroit

The Detroit Climate Strategy (DCS) is a **framework** for the City, businesses, and residents to reduce greenhouse gas emissions and increase our resilience to the impacts of climate change.

The DCS outlines 4 Major Strategies, each of them with a 3-year target.

14 members on the Climate Equity Advisory Committee

contributed 200+ hours, informing action development and the Community Vulnerability Assessment

34 City Departments consulted

6 focus groups and 3 town hall meetings that engaged residents throughout the city

6 project partners: EcoWorks, Elevate, Next Energy, Center for Neighborhood Technology, Data Driven Detroit, & Good Done Daily

Climate Vulnerability in Detroit → Mapping Sensitivity in Detroit

Greenhouse Gas Emissions in 2018 → Where We Are, What, & How

Addressing Climate Change in Detroit
Detroit Climate Strategy

What is MTCO₂e?
GHG emissions are measured in metric tons of carbon dioxide equivalent (MTCO₂e). There are many GHGs that cause climate change, with CO₂ as the most widely recognized. To measure all emissions together, other GHGs can be converted into a single metric called "CO₂ equivalent" or "CO₂e". CO₂e is measured in metric tons (MT). While it is hard to imagine a gas weighing anything, each metric ton weighs about the same as 440 bricks or a great white shark.
10.7 million MTCO₂e is a big number, but what does it mean? To create this many emissions, you would have to charge a smartphone about 13 trillion times! As a comparison, this is almost equal to the emissions of the entire state of Rhode Island, even though they have 60% of the population and 1/10th the land area. You can also imagine 10.7 million great white sharks.

Priority action strategies:

- 1 Transitioning to Clean Energy
- 2 Increasing Sustainable Mobility
- 3 Accelerating Energy Efficiency and Reducing Waste
- 4 Prioritizing Vulnerable Residents and Adapting to Change
 - ⓐ Reducing Flood Risks
 - ⓑ Protecting from Extreme Heat
 - ⓒ Improving Air Quality

Action Taken to Reduce Emissions

- Transportation and Mobility
- Energy Efficient & Electrified Buildings
- Renewable Energy Transition
- Industrial Emissions Reduction
- Waste Reduction

Check out the website!

2023

Detroit Climate Strategy Content

Four Main Strategies:

- 1 Transitioning to Clean Energy
- 2 Increasing Sustainable Mobility
- 3 Accelerating Energy Efficiency and Reducing Waste
- 4 Prioritizing Vulnerable Residents and Adapting to Change
 - a. Reducing Flood Risk
 - b. Protecting from Extreme Heat
 - c. Improving Air Quality



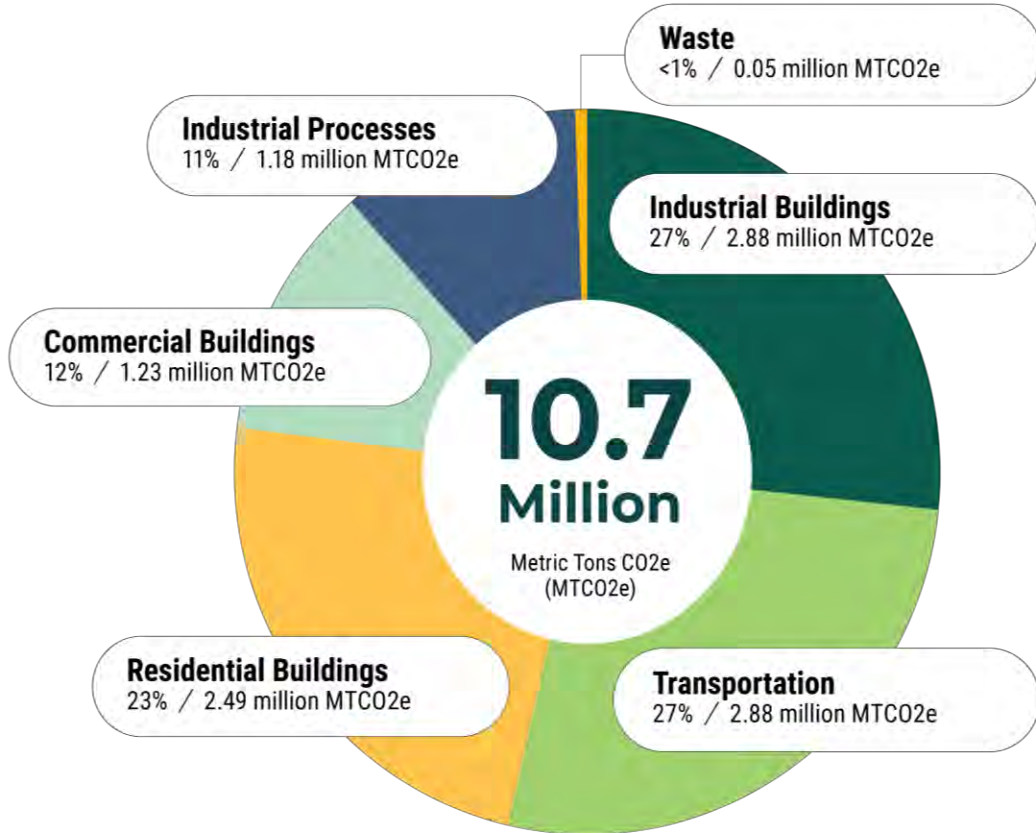
View the full Detroit Climate Strategy Online

Find out more about the 35 actions and three-year targets that will help us meet our climate goals and improve everyone's quality of life.

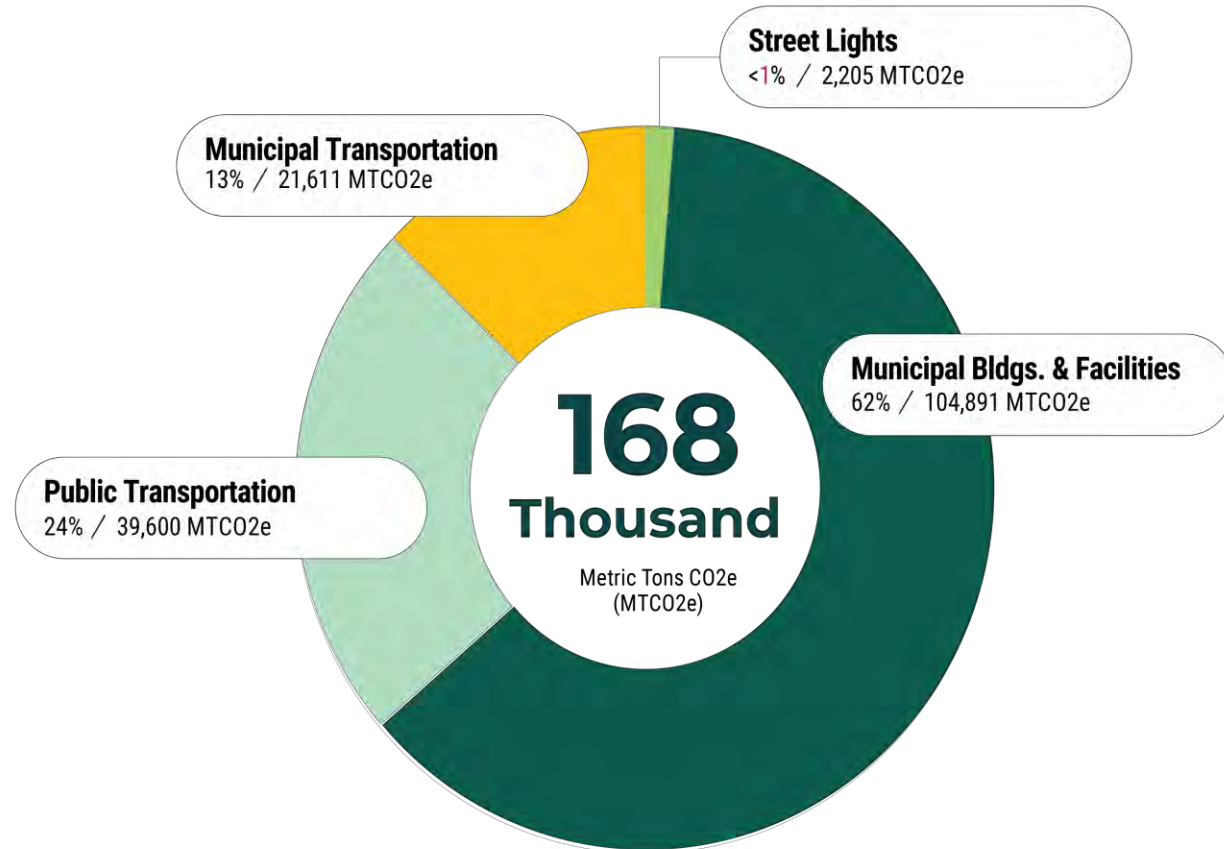
www.detroitmi.gov/sustainability

Detroit's GHG Emissions

Citywide Emissions



Municipal Operations



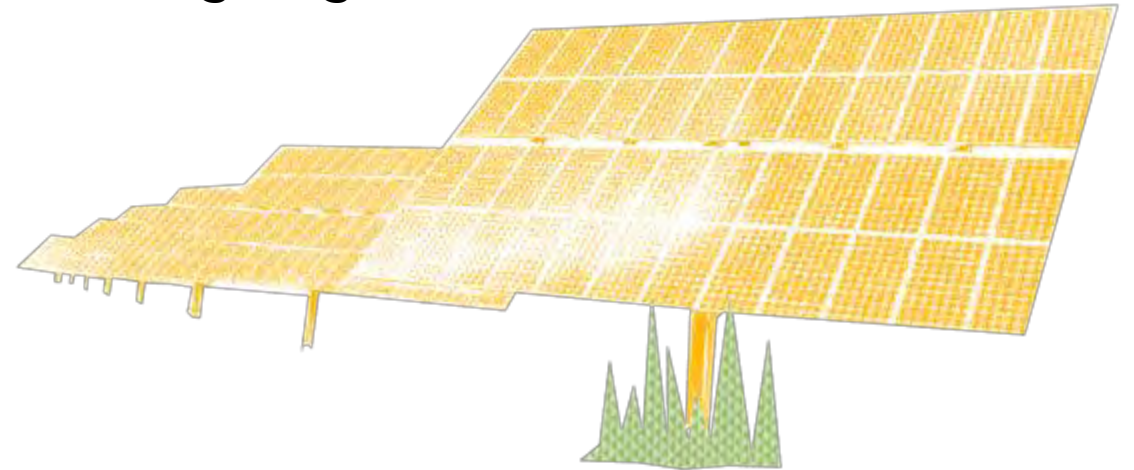
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Transitioning to Clean Energy

Generating our electricity from clean sources is critical to meet our GHG reduction goals, improve air quality, and lower energy costs for residents and businesses.

Action Spotlight:

- Source 100% of municipal electricity from clean energy by 2034
- Work with neighborhoods to launch solar program that powers municipal buildings with solar and allows for the city to provide community benefits to the surrounding neighbors.
- Departments: **OoS**, DONs



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Increasing Sustainable Mobility

Sustainable mobility plays a significant role in improving our environment. Increasing mobility options will help ensure that all Detroiters can access to clean, safe, affordable, and efficient ways to get around.

Action Spotlight:

- 3-year targets:
 - Install public EV chargers at recreation centers, garages, on-street and surface parking lots, covering every District
 - Pilot EV car-share services in neighborhoods underserved by transit
 - Convert municipal fleet to electric
- Departments: **OMI**, MPD, DPW



JOE
LOUIS
GREENWAY



3

Accelerating Energy Efficiency and Reducing Waste

Reducing electricity and gas use in homes and buildings will help reduce emissions, lower energy bills, and improve indoor and outdoor air quality. In addition, reducing the amount of solid waste we produce and send to landfills is critical, as this contributes to GHG emissions, truck traffic, and other environmental impacts.

Action Spotlight:

- 3-year targets:
 - Retrofit municipal facilities to reduce their use of energy and fossil fuels
 - Improve 2,000 homes via the Renew Program
 - Weatherize at least 1,000 homes
 - Create waste diversion plan
- Departments: **OoS**, BSEED



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Prioritizing Vulnerable Residents and Adapting to Change

The actions in this section increase resilience: they strengthen the infrastructure and empower communities to protect themselves against the harmful effects of climate change.

Action Spotlight:

- 3-year targets:
 - Launch three Resilience Hubs in Detroit with back up power in times of outages (Lenox launched in October)
 - Plant 30,000 Trees (75,000 in five years) in most blighted areas
 - Protect 1,000 homes with basement back up retrofits
- Departments: **GSD**, **DWSD**, DHSM

