



# DETROIT'S FIRST OFFICE OF SUSTAINABILITY

- Established in 2017
- Mission is to create healthy, green, vibrant, accessible neighborhoods where all Detroiters can contribute and benefit through:
  - Collaboration between City departments and agencies;
  - Engagement and partnership among the City, citizens, and relevant organizations; and
  - Process and policy improvement
- Engagement for the Sustainability Action Agenda began in 2018





# THE SUSTAINABILITY ACTION AGENDA

*Creating a sustainable Detroit,  
together.*

DETROIT



# THE SUSTAINABILITY ACTION AGENDA

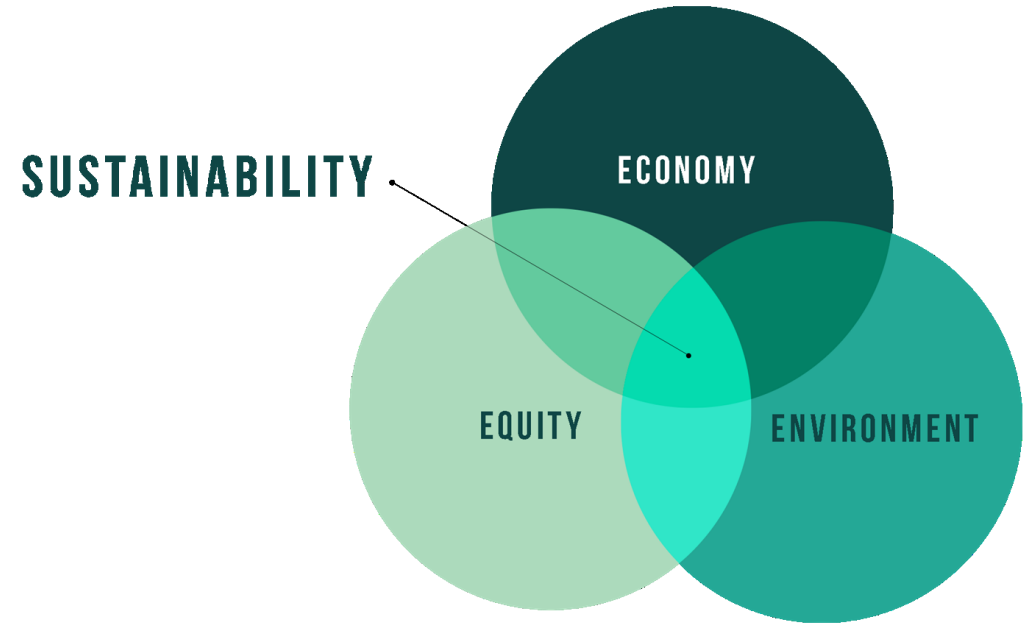
---

**Highly collaborative process**

**Triple Bottom Line approach**

**Responsive to the needs of residents**

**Shared ownership of actions & outcomes**



**THE SUSTAINABILITY ACTION AGENDA**



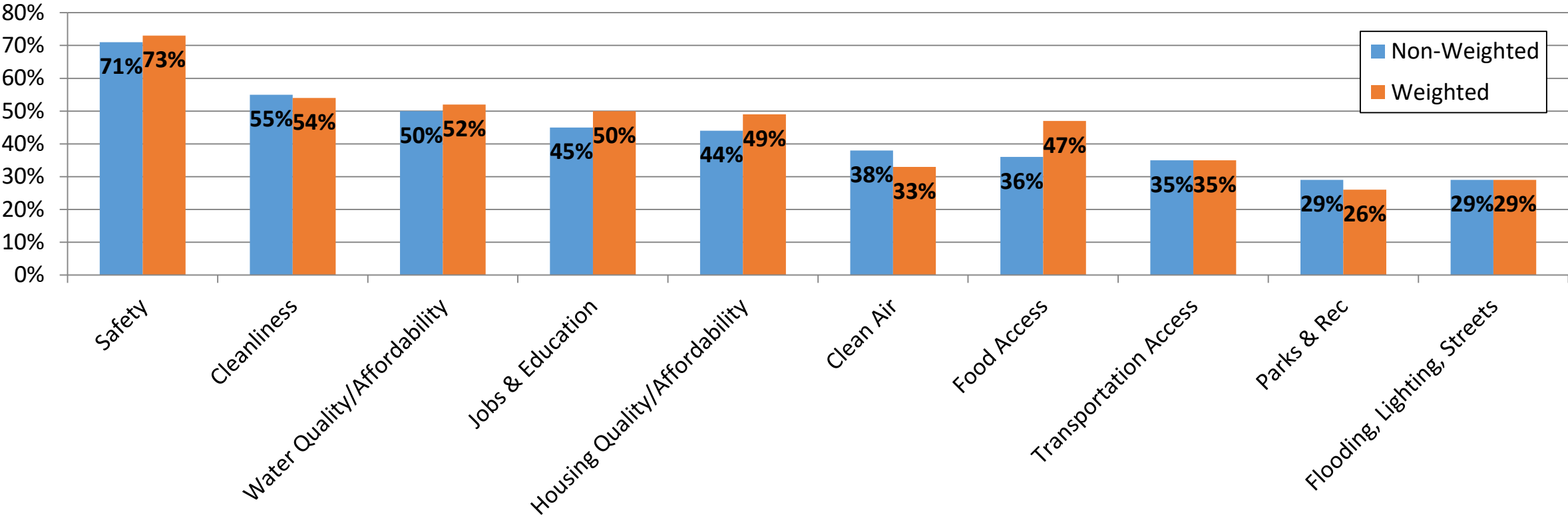
# ENGAGING DETROITERS

---

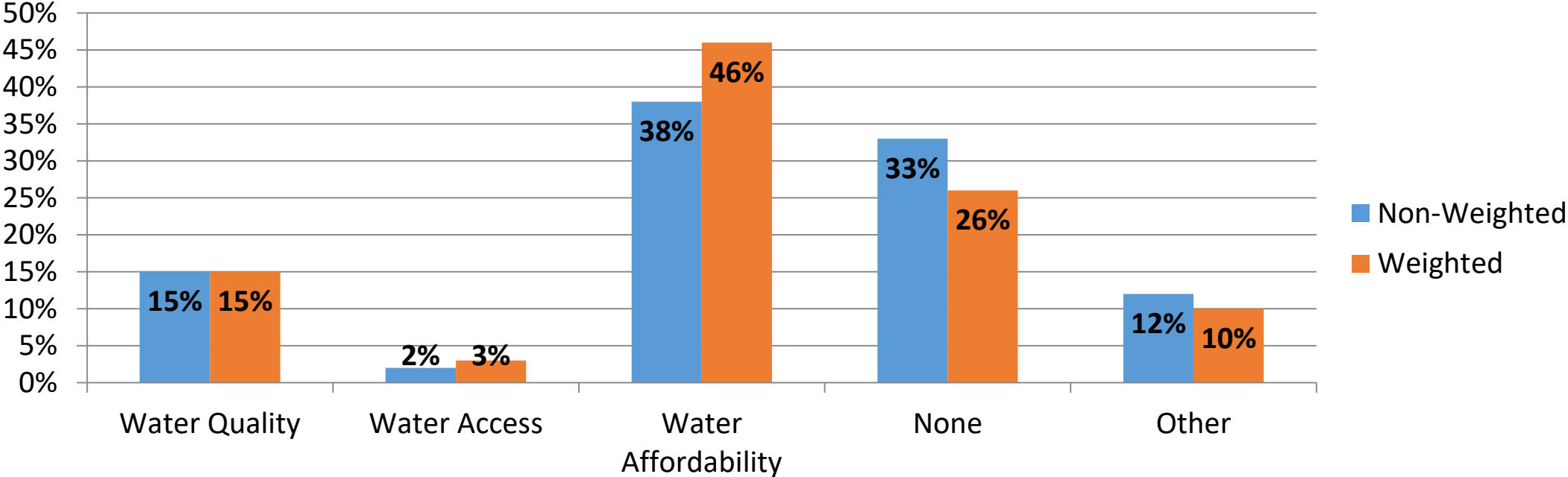
- Guided by a **Sustainability Advisory Commission** (Co-Chaired by Bedrock, DTE Energy, and DEA)
- Engaged **6,800+ Detroiters** through townhalls, meetings, web, and surveys
- Worked with 28 City departments through **Interdepartmental Workgroup**
- Empowered **14 residents as Sustainability Ambassadors** (2 per council district) to build local support and buy-in
- **Raised \$525,000** from foundations to support the Action Agenda
- Leveraged expertise and technical support from **Bloomberg Associates** and **AECOM**



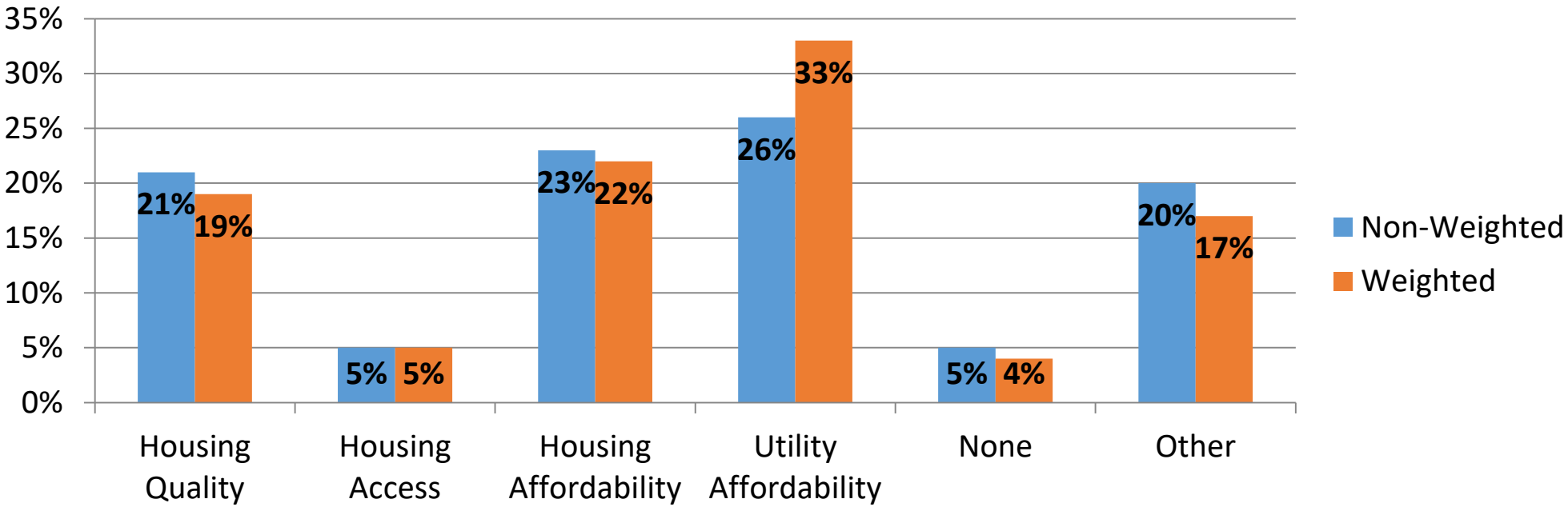
# Which of these topics do you most consider in your daily or weekly life?



# What is the top **WATER** challenge you have experienced in Detroit within the last 12 months?



# What is the top HOUSING challenge you have experienced in Detroit within the last 12 months?







# courb.co/detroit

The image shows a laptop and a smartphone displaying the website [courb.co/detroit](http://courb.co/detroit). The laptop screen displays the 'Detroit Sustainability Action Agenda' page, which includes a map of Detroit with various project markers (blue and orange dots) and a comment section. The comment section shows a post by Dennis Black dated Apr 29, 2018, with the text: 'Where are things you would change about your everyday life — and why? Accessibility to healthy food. Community energy production (i.e solar)'. The smartphone displays a mobile view of the same page, showing the map and navigation options.

THE SUSTAINABILITY ACTION AGENDA



# THE DETROIT SUSTAINABILITY COMMUNITY SERIES

---



THE SUSTAINABILITY ACTION AGENDA



# DRAFT FRAMEWORK

---

THE SUSTAINABILITY ACTION AGENDA



# VISION

---

**All Detroiters thrive and prosper in an equitable, green city; have access to affordable, quality homes; live in clean, connected neighborhoods; and work together to steward resources.**

THE SUSTAINABILITY ACTION AGENDA



# 4 OUTCOMES

**Equitable, Green City**



**Clean, Connected Neighborhoods**



**Affordable, Quality Homes**



**Healthy, Thriving People**



# 10 GOALS



## Healthy, Thriving People

- Improve **air quality** and reduce impacts from **pollution**
- Increase access to healthy **food, green spaces**, and **recreation** opportunities
- Advance **equity** in access to **economic opportunity**



## Clean, Connected Neighborhoods

- Transform **vacant lots** and **buildings** into safe, productive, sustainable spaces
- Reduce **waste** sent to landfills
- Make it easier and safer to **get around Detroit** without a personal vehicle



## Affordable, Quality Homes

- Reduce the total **costs** of housing, including **utilities**
- Improve the **health** and **safety** of existing and new housing



## Equitable, Green City

- Enhance City infrastructure and operations to improve **resilience to climate impacts**
- Reduce municipal and citywide **greenhouse gas emissions** that contribute to climate change

# GOAL TARGETS



## Healthy, Thriving People

Goal

Target

Advance **equity** in access to **economic opportunity**.

Increase % of Detroiters households earning a living wage from 48% to 58% by 2024



## Clean, Connected Neighborhoods

Goal

Action

Reduce **waste** sent to landfills.

Increase overall waste diversion rate from 4% to 15% by 2024



## Affordable, Quality Homes

Goal

Target

Reduce the **total cost** of housing, including **utilities**

Reduce % of residents paying more than 30% of their income for housing (48%)



## Equitable, Green City

Goal

Action

Reduce municipal and citywide **greenhouse gas emissions**.

Reduce municipal emissions by 35% by 2024 and citywide emissions by 30% by 2025

# SELECT ACTIONS

---

THE SUSTAINABILITY ACTION AGENDA





# Healthy, Thriving People



## Report: Michigan adds 4,800 clean energy jobs in 2018; 9% growth projected

KURT NAGL [Twitter](#) [LinkedIn](#) [Email](#)

[TWEET](#)

[SHARE](#)

[SHARE](#)

[EMAIL](#)

[PRINT](#)

- State has 126,081 jobs in clean energy industry
- Michigan leads the Midwest in clean energy sector job
- EV production, alternative energy manufacturing drive growth



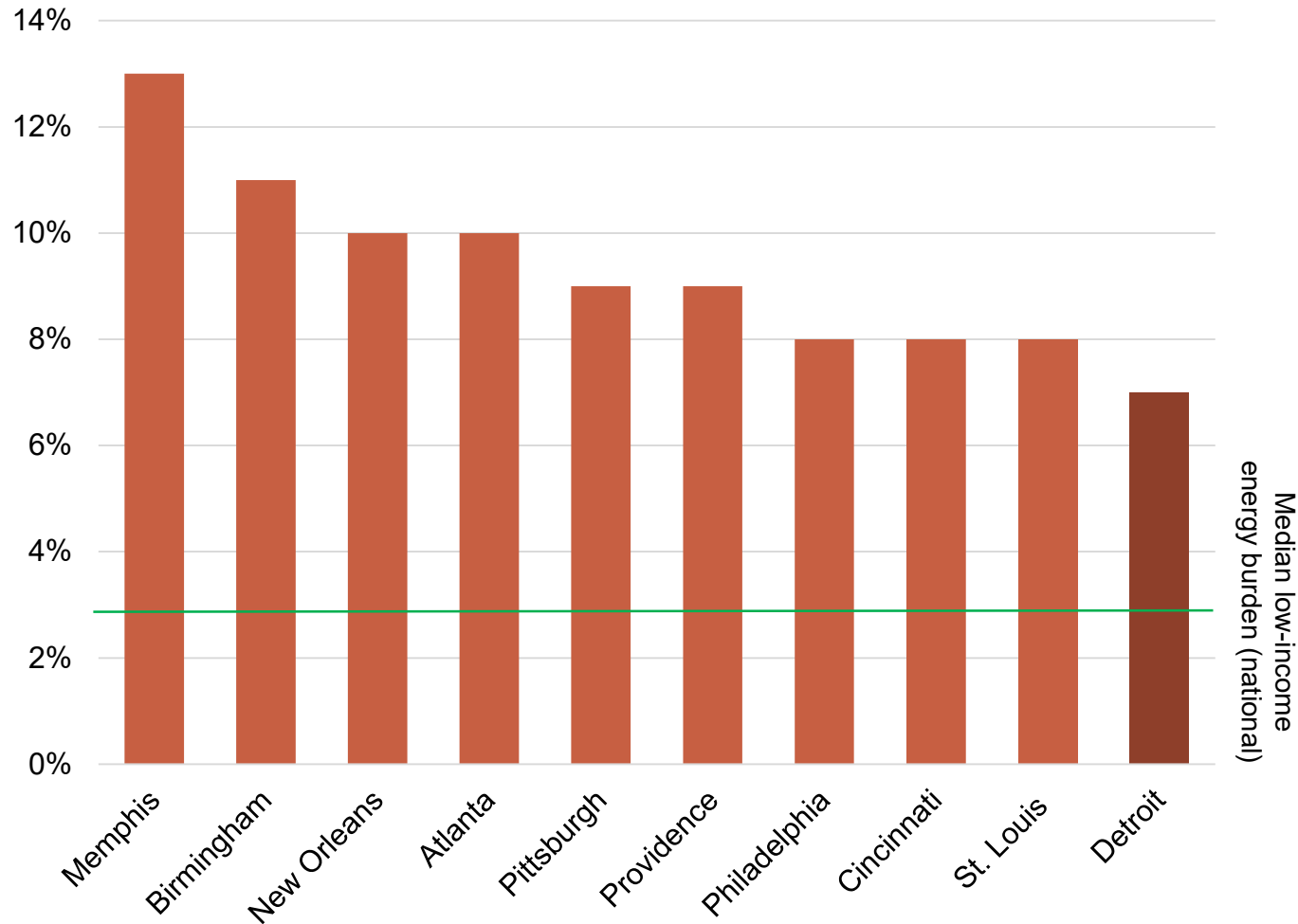
## Action

- Expand green jobs training and workforce development programs

# Affordable, Quality Homes



## Low-income Energy Burden by City (2016)



Source: Energy Efficiency for All and ACEEE

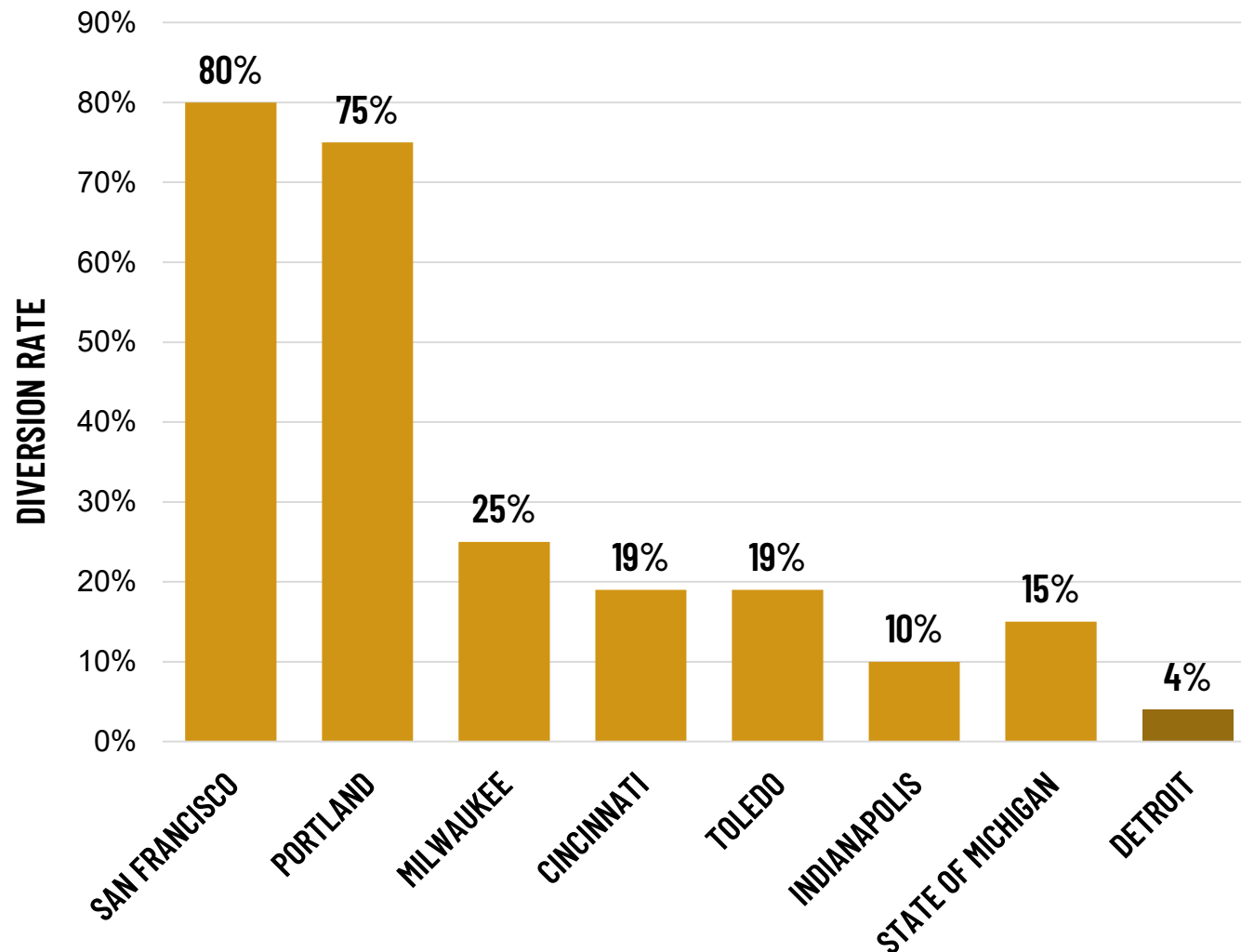
## Actions

- Improve access to utility efficiency programs
- Expand low-income home plumbing repair programs
  - From 500 households/yr. to 1,000)

# Clean, Connected Neighborhoods



## WASTE DIVERSION RATES BY CITY



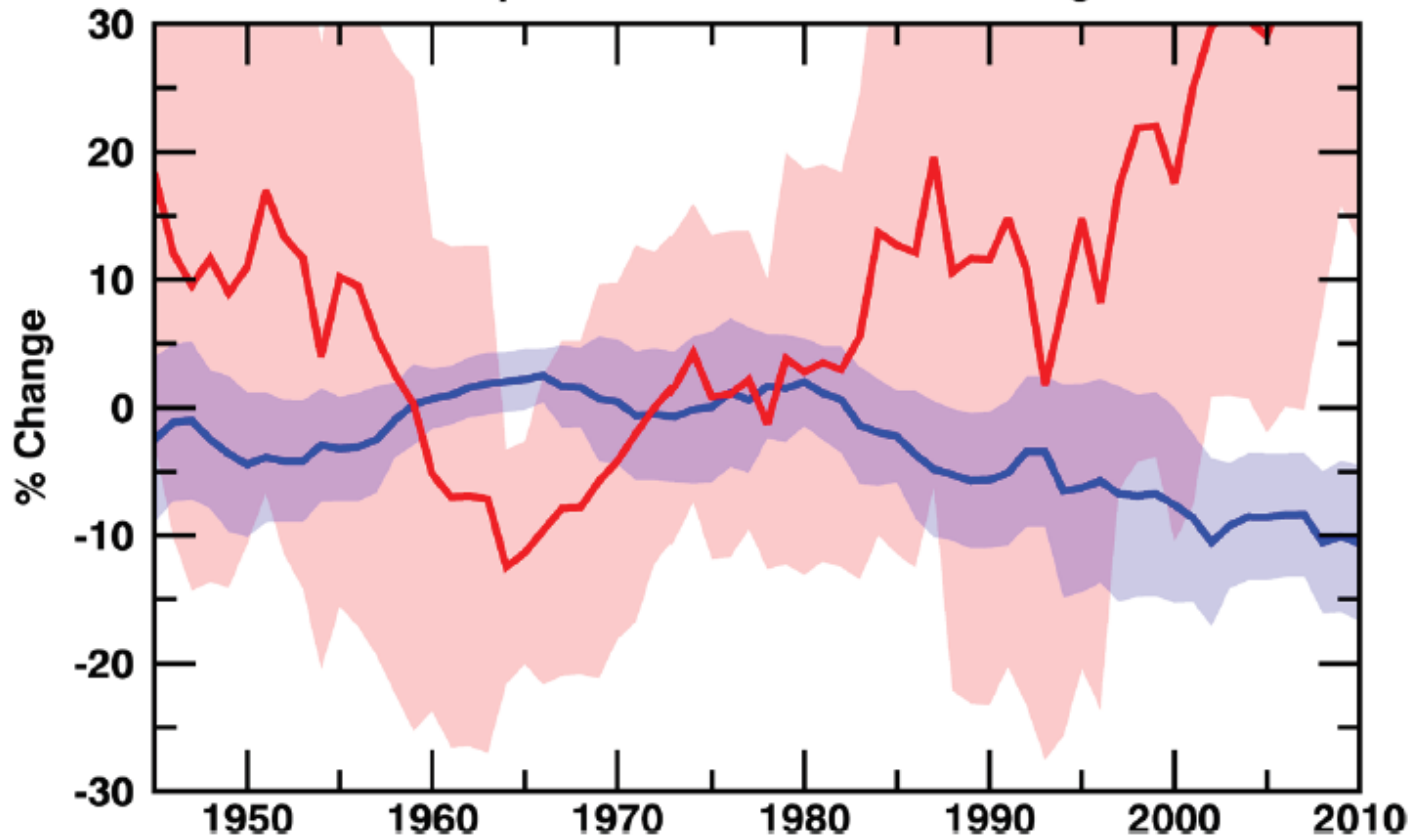
## Actions

- Launch a citywide recycling campaign
- Expand curbside recycling to **multi-family buildings**
- Expand recycling to public spaces and all City facilities

# Equitable, Green City



Changes in Heating and Cooling Degree Days  
Compared to the 1951-1980 Average



## Action

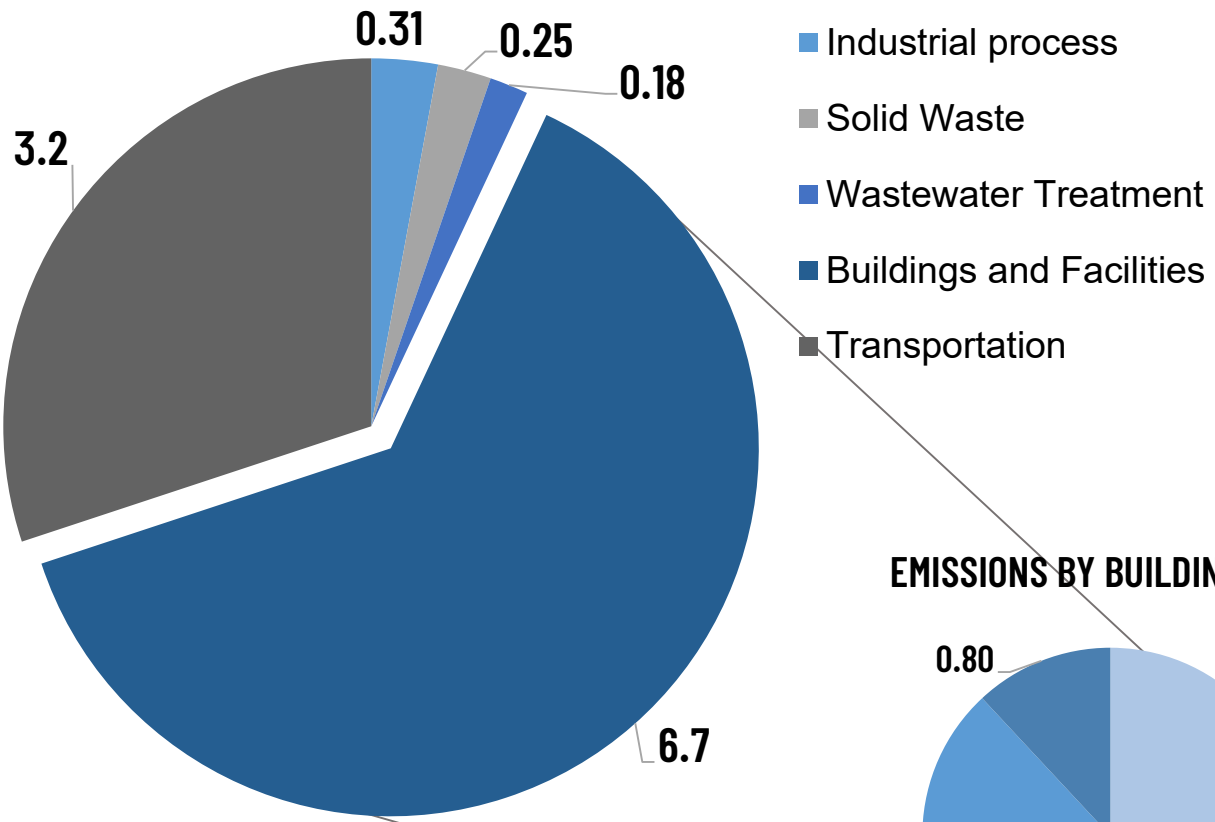
- Integrate the latest climate projections into planning and process

The percent change in heating and cooling degree day units from the 1951-1980 average. The red and blue solid lines represent the 9-year moving average. The shaded bands show the standard deviation.

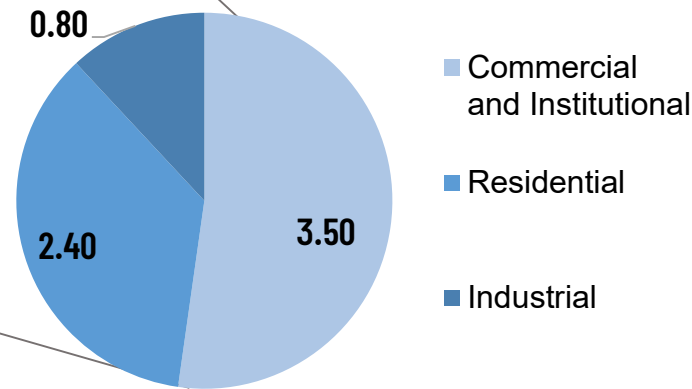
# Equitable, Green City



2012 DETROIT CITYWIDE GHG EMISSIONS BY ACTIVITY (MILLION T CO<sub>2</sub>E)







EMISSIONS BY BUILDING OR FACILITY TYPE



## Action

- Develop Green Buildings Guidelines
- Launch Mayor's Energy Challenge

# 28 INDICATORS Measuring Progress

Outcome	Goal	Indicator	Baseline	Targets	
				2024	2029
	Advance equity in access to economic opportunity	Percent of Detroiters earning a living wage	48%	58%	68%
		Share of active city contracts with Minority, Women, and Detroit-Based vendors	34%	44%	
	Reduce the total cost of housing, including utilities	Number of low-income households served by water efficiency programs	1,100 households	5,000 households	15,000 households
		Average residential energy consumption per capita	9.1 MMBtu	8.2 MMBtu	7.3 MMBtu
	Reduce waste sent to landfills	Citywide recycling and composting diversion rate	4%	15%	30%
	Reduce municipal and citywide greenhouse gas emissions	Municipal greenhouse gas emissions	1.18 m tons CO <sub>2</sub> e	0.77 m tons CO <sub>2</sub> e	
		Community greenhouse gas emissions	10.6 m tons CO <sub>2</sub> e	7.95 tons CO <sub>2</sub> e (2025)	



[detroitmi.gov/sustainability](https://detroitmi.gov/sustainability)  
[sustainability@detroitmi.gov](mailto:sustainability@detroitmi.gov)