



# Climate Action 2050 Plan Overview

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Aging & Disabilities Governing Board  
September 19, 2023

Gordie Bennett  
Sustainability Director  
DAS-Facilities Management  
Office of Sustainability

[sustainability@milwaukeecountywi.gov](mailto:sustainability@milwaukeecountywi.gov)





Climate Action 2050 Plan

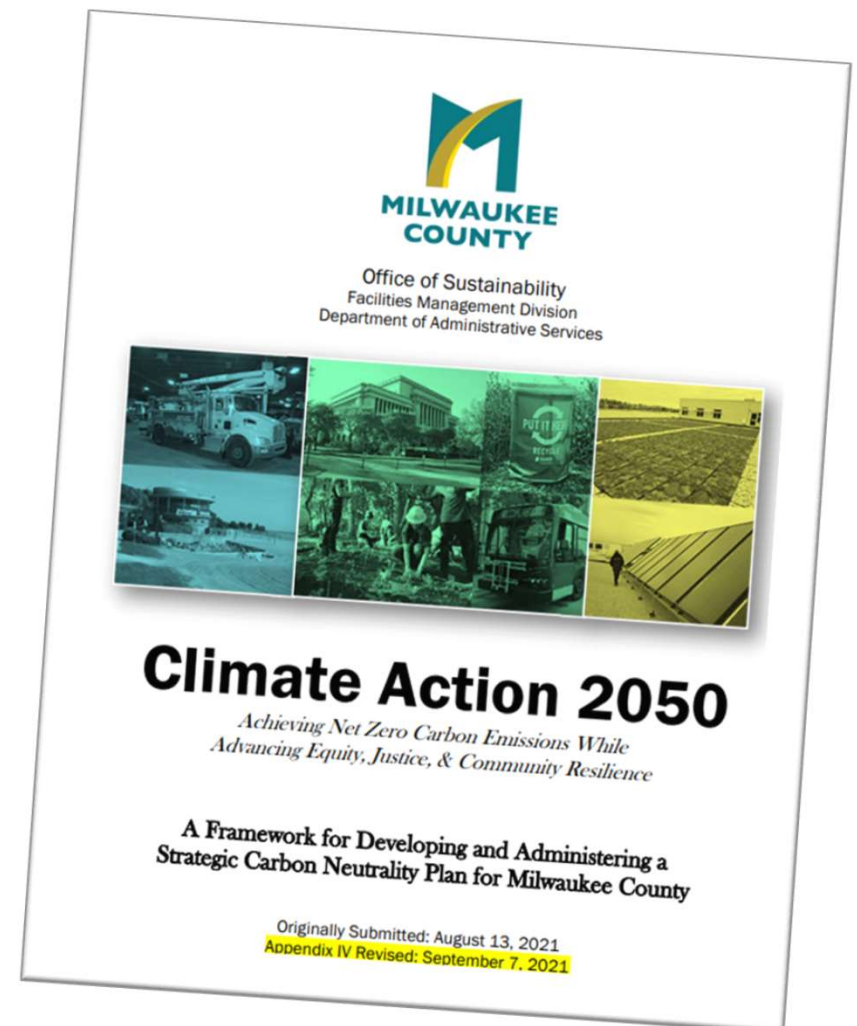
# PROJECT BACKGROUND

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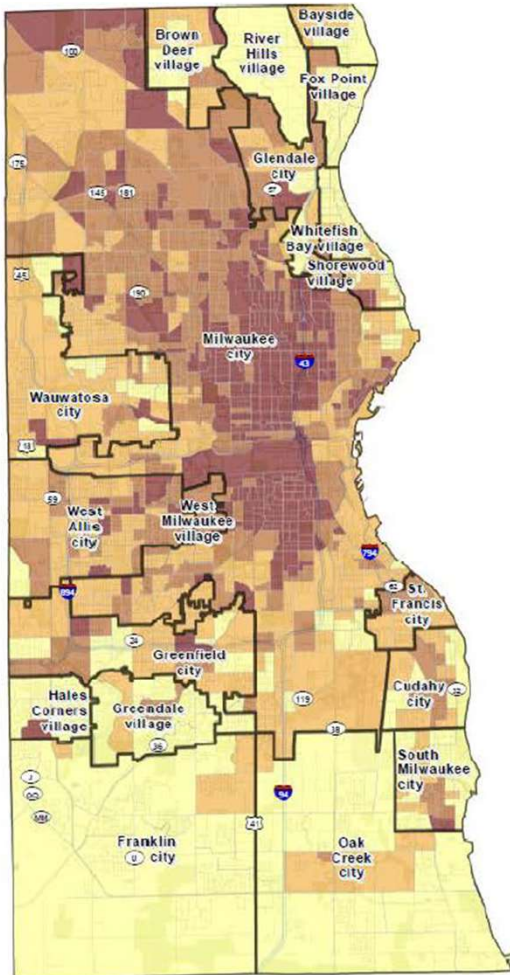
# Climate Policy & Planning

[File No. 21-389](#) commits Milwaukee County to achieving carbon neutrality and requests Sustainability Director to develop and administer strategic plan to achieve carbon-neutral County facilities and operations by 2050.

[File No. 21-770](#) ('CA50 Framework') provides guiding principles and roadmap for the County to achieve carbon neutral facilities and operations by 2050.



# Climate Change & Equity



Heat Vulnerability - MKE County<sup>2</sup>

- Carbon emissions accelerate & intensify climate change.
- Inner-city MKE has highest heat vulnerability in state (see map)<sup>1</sup>.
- Extreme heat disproportionately impacts vulnerable groups<sup>2</sup>.
- Extreme heat days in WI projected to triple by 2050<sup>3</sup>.

**Climate change impacts  
community health equity.**

# CA50 Guiding Principles

## 1. Create Intentional Inclusion

1a: Identify and involve Milwaukee County stakeholders and partners in each phase of the plan.

1b: Increase involvement of minority and women-owned businesses with plan implementation.

Source: [CA50 Framework](#)

## 2. Bridge the Gap

2a: Identify health disparities caused by climate change and prioritize actions that will positively impact health outcomes.

## 3. Invest in Equity

3a: Align actions with Milwaukee County's mission, priorities, and core functions.

3b: Prioritize actions that will provide green education and jobs for underserved communities.

3c: Improve ability of vulnerable communities to adapt to climate change.



# Sustainability Task Force (STF)

- Established in 2021 by Office of County Executive

- Guiding 'Climate Action 2050' (CA50) Plan

- 15 members - 11 county orgs & MCTS:

Administrative Services  
County Parks  
Strategy, Budget &  
Performance  
Office of Equity

MCTS  
Fleet Management  
MCDOT Administration  
Airport Division  
MKE County Zoo

Aging & Disability  
Services  
Office of County Exec

- Published [CA50 Framework](#) in 2021

# CA50 Plan Stakeholders

## Elected Officials

County Exec.

County Board

Other Officials

## Departments

Administrators

Staff

Sustainability  
Task Force  
(STF)\*

## Community

Residents

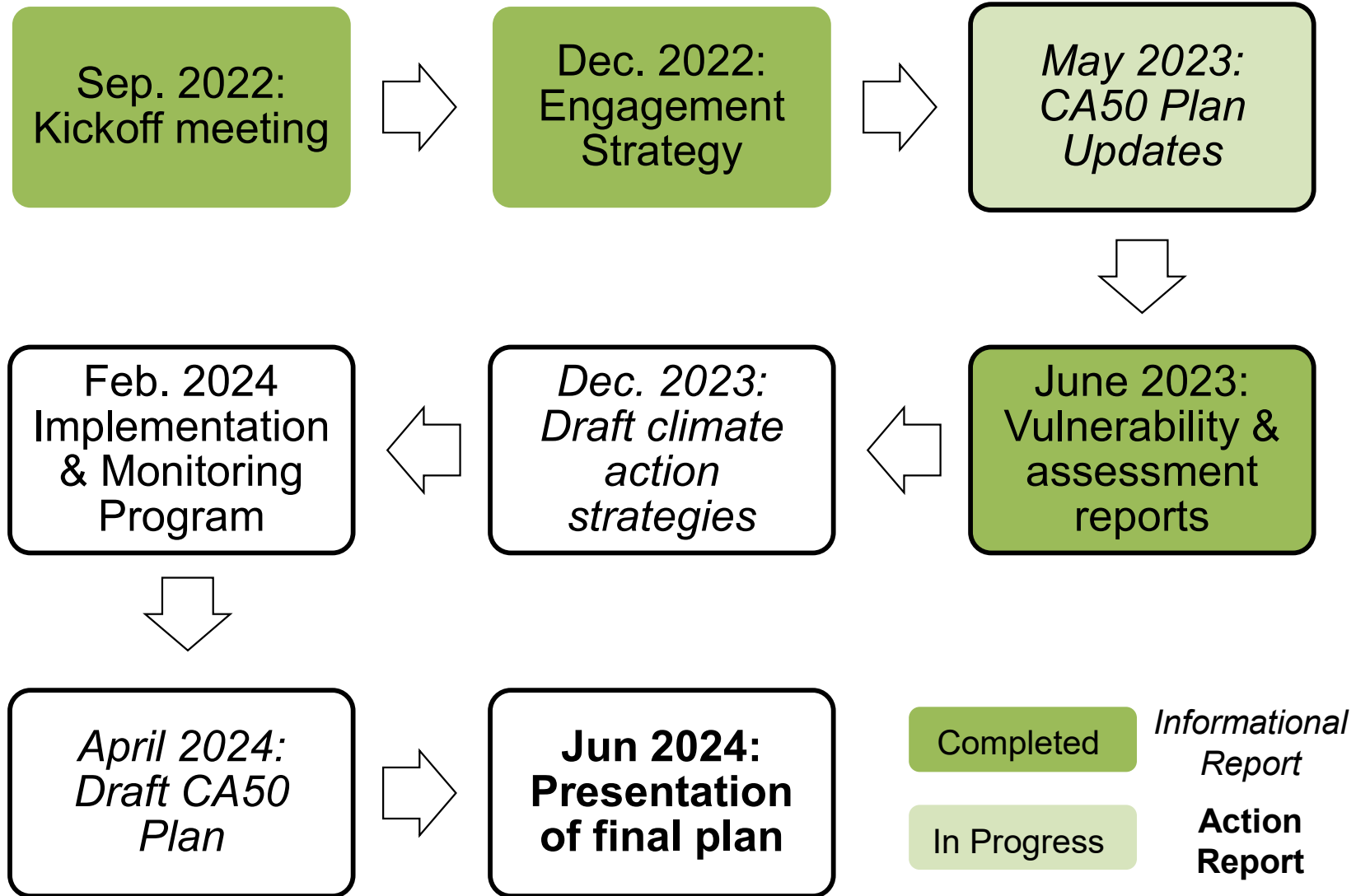
Businesses

Municipalities

Others

\*Guiding plan development

# CA50 Plan Timeline







Climate Action 2050 Plan

# PROJECT UPDATES

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# Stakeholder Engagement

- Informal engagement\*:
  - 11 internal groups
  - 33 external groups
- Formal engagement\*:
  - Dec. 2022 community survey
  - May 2023 community workshops
- Upcoming webinars:
  - County employee session 9/21/23
  - Community session 9/28/23

\* As of August 2, 2023



# Vulnerability Assessment

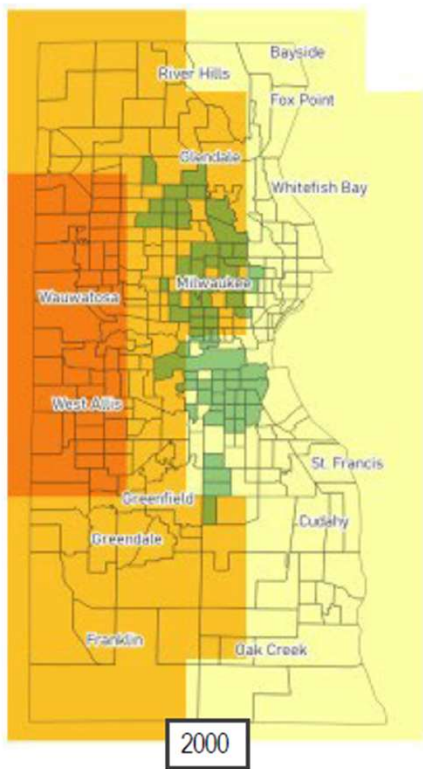
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- Consultants applied downscaled models to project climate hazards in Milwaukee County under ‘high’ and ‘low’ emissions scenarios.
- With climate change, county residents and businesses could increasingly face these hazards:
  - Heat waves
  - Flooding
  - Poor air quality
- Climate vulnerability correlated w/ social vulnerability\*

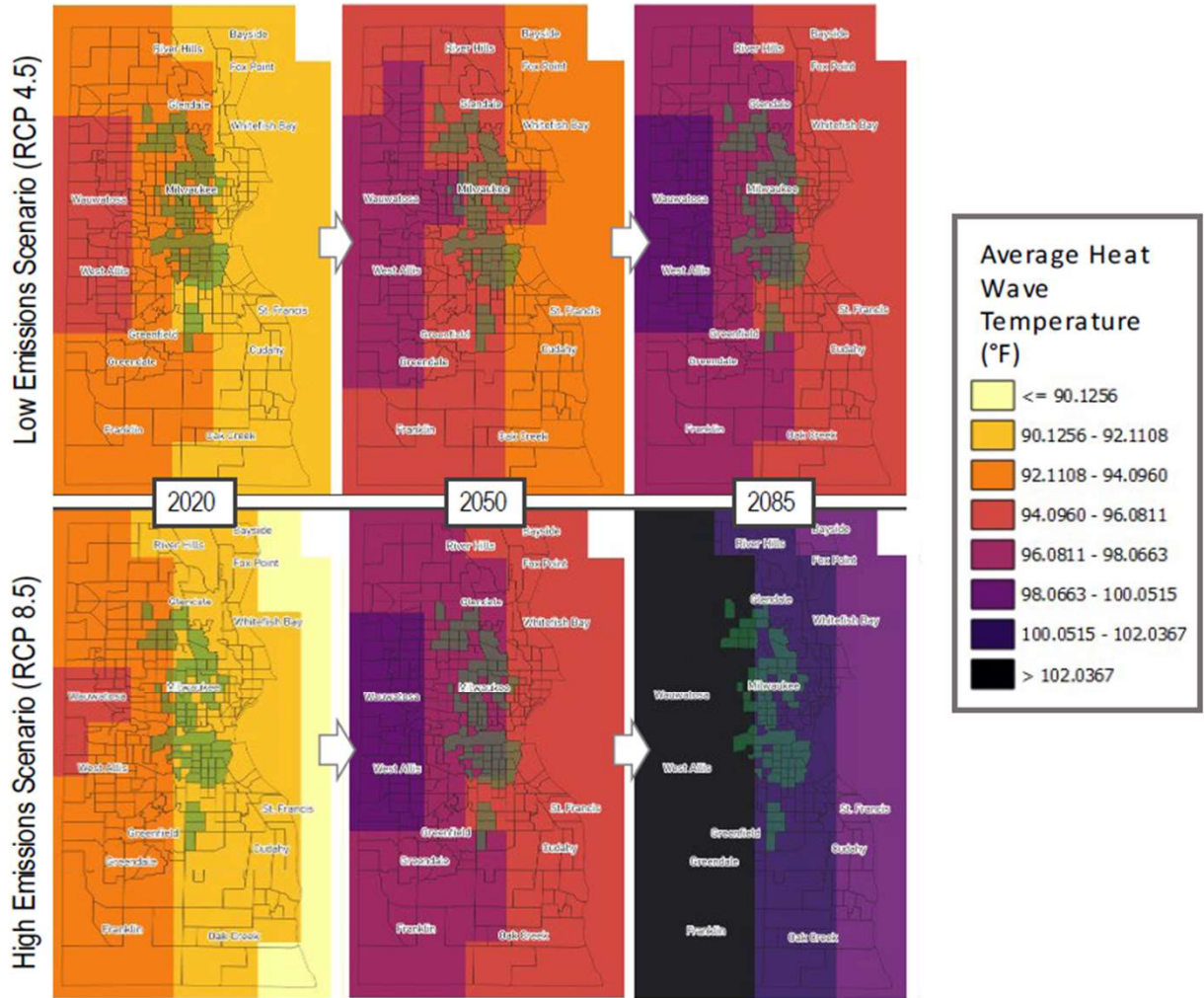
\*Assessment uses **modified** social vulnerability index based on a similar product from U.S. Centers for Disease Control (CDC) and Agency for Toxic Substances and Disease Registry (ATSDR). See Fig. 2 of report.

# Social Vulnerability & Heat Waves

Average Heat Wave Temperature (°F)



Derived from MACA-downscaled GCM projections for Milwaukee County. Sources and methods in forthcoming Milwaukee County CA50 Plan.



# Emissions Inventories



Visit Milwaukee



Panoramio (floydatic)



Visit Milwaukee



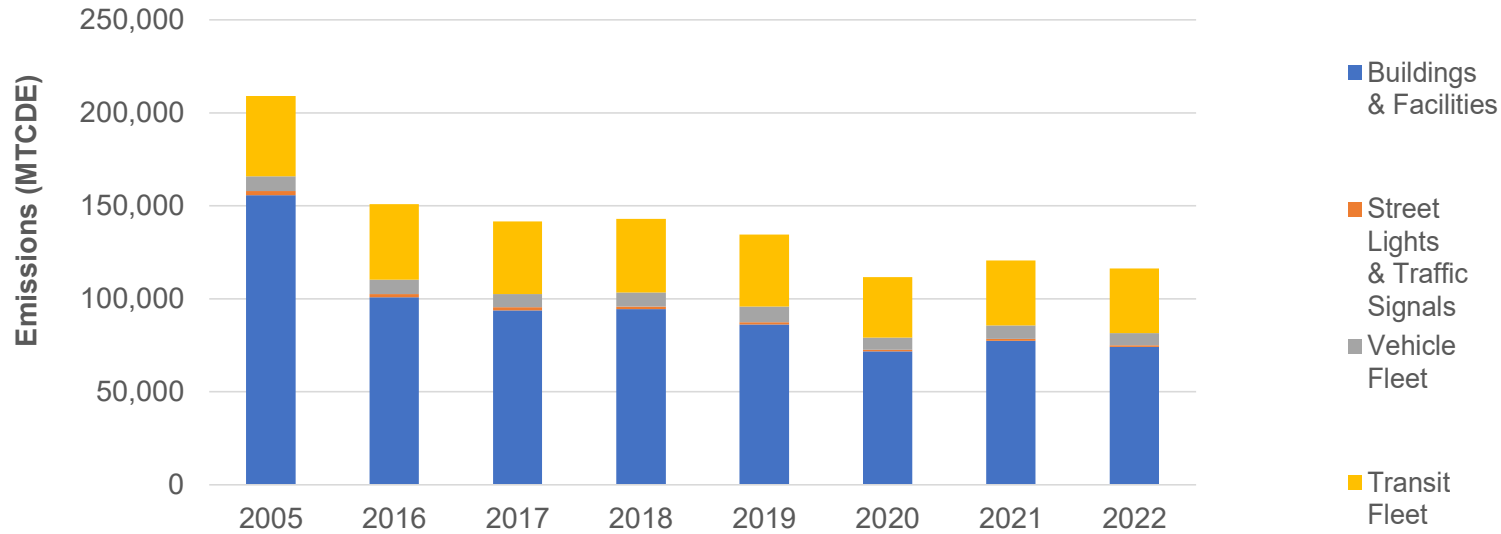
Visit Milwaukee



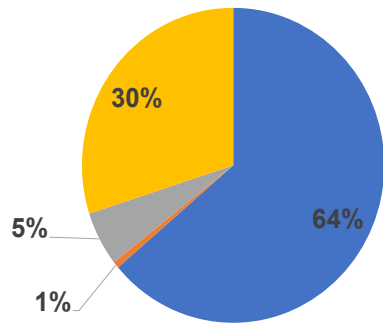
Visit Milwaukee



# Progress Toward Carbon Neutrality



2022 Emissions



**Emissions from County operations have decreased 44% since 2005 due to:**

- Portfolio changes
- Efficiency gains
- Greener grid

# Prioritizing Climate Actions

- What emissions reduction strategies should Milwaukee County pursue?
- How to ensure these strategies align with County's health equity vision?
- Where to invest limited resources?
- Opportunities for community partnerships?

# Share Your Voice

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1. Participate in STF meetings:
  - Most months, next meeting Oct. 9
  - More info: <https://milwaukeecounty.legistar.com/Calendar.aspx>
2. Participate with an upcoming webinar.
3. Share how climate change impacts you:
  - Standing survey: <https://www.surveymonkey.com/r/QVC35D2>
  - Email: [sustainability@milwaukeecountywi.gov](mailto:sustainability@milwaukeecountywi.gov)
4. Coming soon - submit ideas for climate action!



# References

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1. WDHS (2016). *Milwaukee Heat Vulnerability Index*.  
<https://www.dhs.wisconsin.gov/publications/p01084-milwaukee.pdf>
2. USGCRP (2016). *Impacts of Climate Change on Human Health in United States: A Scientific Assessment*.  
<https://health2016.globalchange.gov/>
3. WICCI (2020). *Strategies to Improve Wisconsin's Climate Resilience & Readiness*. <https://wicci.wisc.edu/wp-content/uploads/wicci-report-to-governors-task-force.pdf>