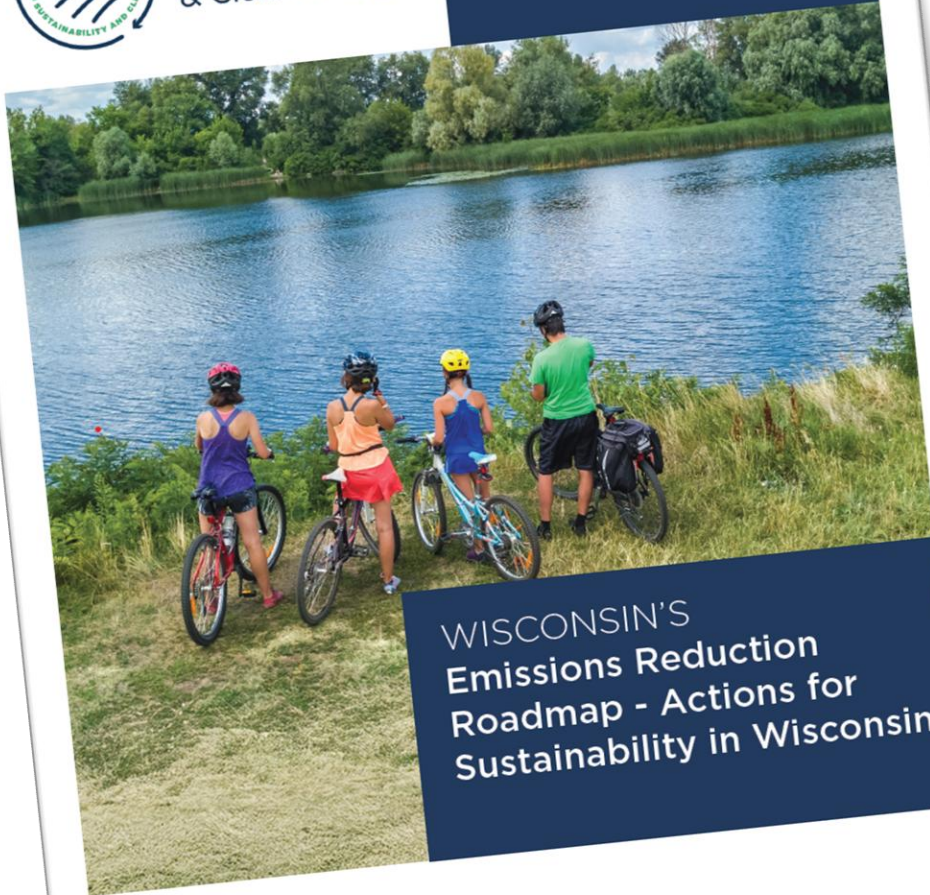




WISCONSIN OFFICE OF
Sustainability
& Clean Energy



WISCONSIN'S
Emissions Reduction
Roadmap - Actions for
Sustainability in Wisconsin

JUNE 2026



INTRODUCTION TO THE WISCONSIN'S EMISSIONS REDUCTION ROADMAP

08.24.2026

WEBINAR OVERVIEW

- Climate Action Planning Review
- What is Wisconsin's Emissions Reduction Roadmap?
- Overview of Roadmap Results
- Webinar Series
- Q&A





MEET THE OSCE TEAM

WISCONSIN OFFICE OF SUSTAINABILITY & CLEAN ENERGY



Maria Redmond
Director



Caity Carmody
CPRG Technical
Coordinator and
Analyst



Eleanor Gagnon
CPRG Outreach
and Engagement
Specialist



Eneida Hysi
CPRG Grants
Specialist



**Winston
Thompson**
Lead-by-Example
Research Analyst



Dylan Stone
Climate and Clean
Energy Initiatives
Coordinator



CLEAN ENERGY AND CLIMATE ACTION POLICY & PLANNING



Executive Order
38: Relating to
Clean Energy

Aug 2019

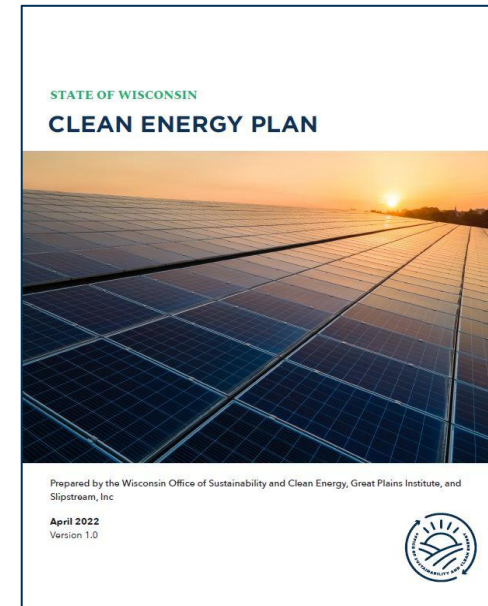


Executive Order
52: Governor's Task
Force on Climate
Change

Oct 2019



Dec 2020



Apr 2022



Executive Order
161: Office of
Environmental
Justice

Apr 2022



CLEAN ENERGY AND CLIMATE ACTION POLICY & PLANNING



Executive Order 195: Green Ribbon Commission

Apr 2023

STATE OF WISCONSIN **CLEAN ENERGY PLAN** Progress Report



Prepared by the Wisconsin Office of Sustainability and Clean Energy

May 2023



May 2023

Wisconsin **Emissions Reduction Roadmap**



Prepared by:
Wisconsin Department of Administration
Office of Sustainability and Clean Energy
101 E Wilson St., 5th Fl.
Madison, WI 53703
osce@wisconsin.gov

Mar 2024

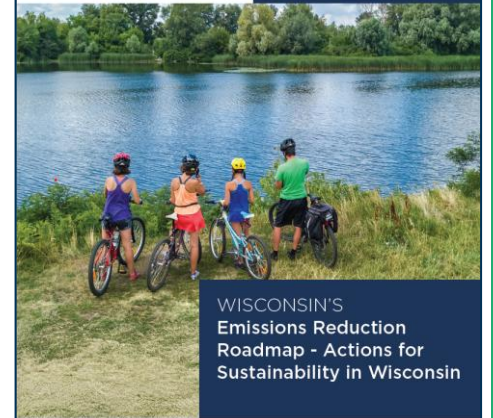
STATE OF WISCONSIN **CLEAN ENERGY PLAN** Progress Report



Prepared by the Wisconsin Office of Sustainability and Clean Energy
August 2024



Aug 2024



WISCONSIN'S
**Emissions Reduction
Roadmap - Actions for
Sustainability in Wisconsin**

JUNE 2026

Jun 2026

CLEAN ENERGY AND CLIMATE ACTION POLICY & PLANNING: 2026!



Clean Energy
Plan Progress
Report



Clean Energy
Workforce
Inventory Report



Leading by
Example and
Climate Action
Success report



ROADMAP OVERVIEW

U.S. Environmental
Protection Agency

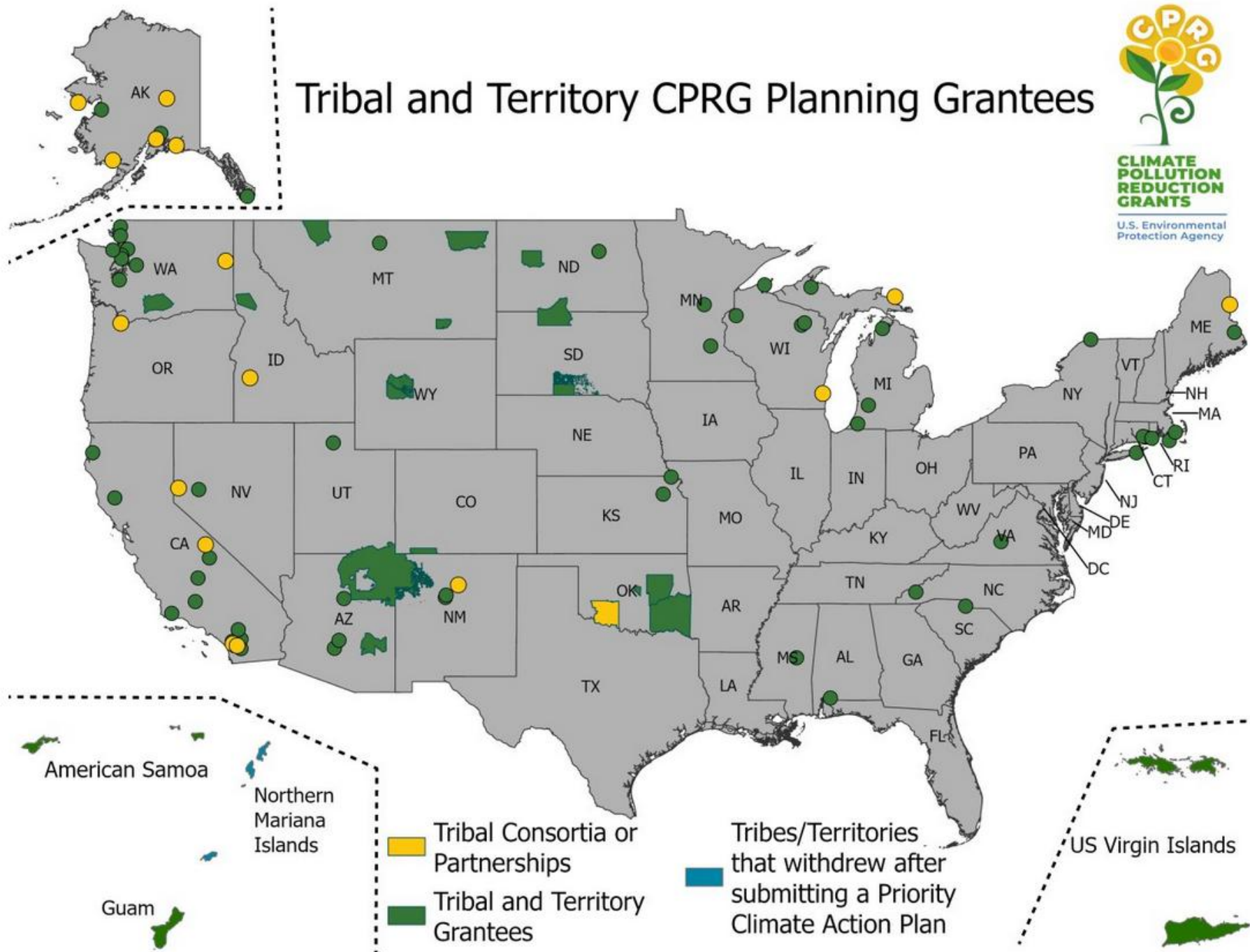


Tribal and Territory CPRG Planning Grantees



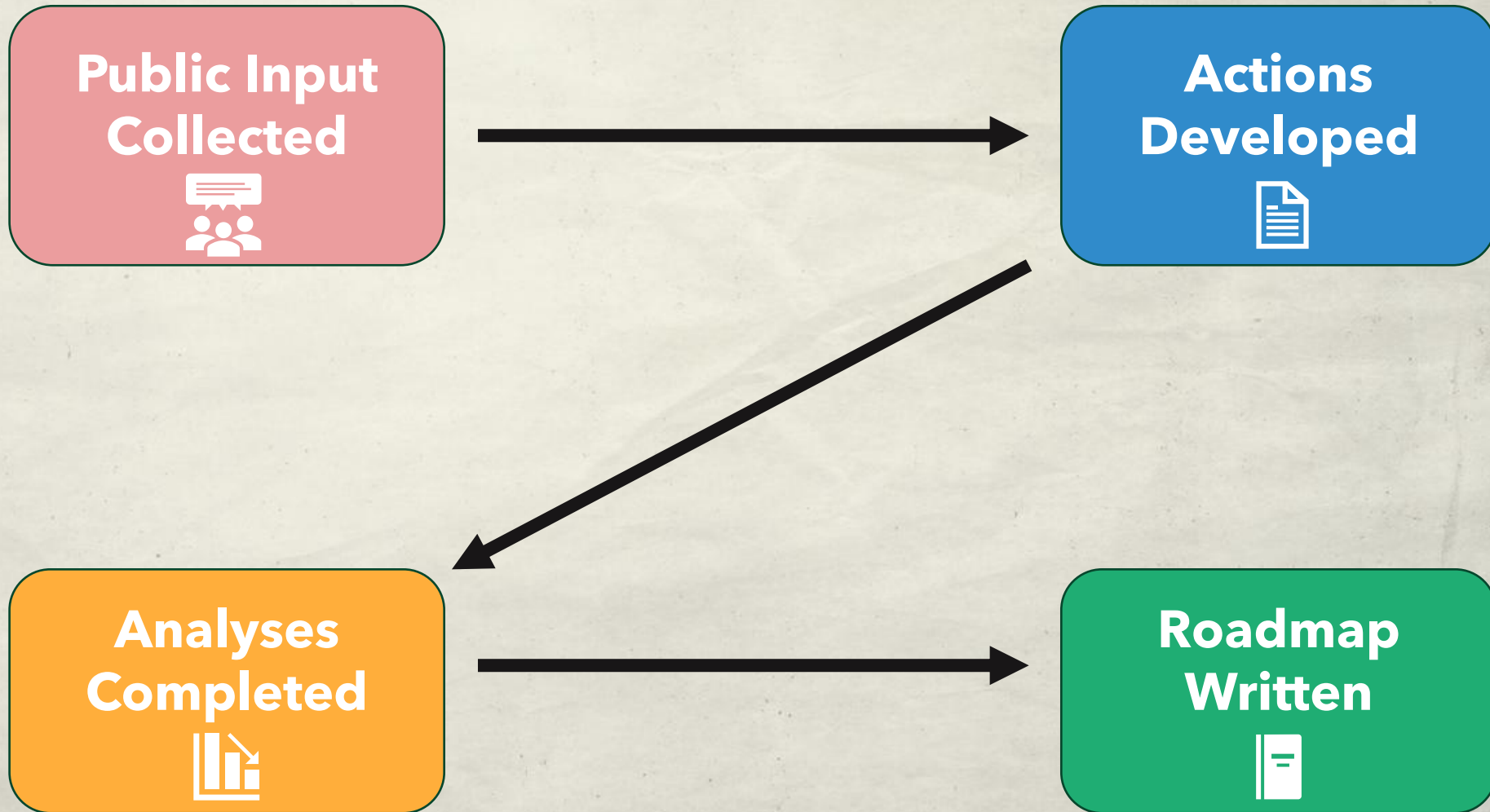
CLIMATE
POLLUTION
REDUCTION
GRANTS

U.S. Environmental
Protection Agency



WISCONSIN'S EMISSIONS REDUCTION ROADMAP

- Wisconsin's **first comprehensive climate action plan** tackling emissions reductions actions and targets in all sectors
- Built off the work done through **previous** cross-sectoral planning work and identifying **new opportunities** not previously discussed
- Primary purpose is to **develop policy and programmatic guidance** for state government
- Developed as part of the **\$3 Million** planning grant provided **to OSCE by the U.S. EPA**



MY CLIMATE ACTION PLAN

APPENDIX A: MY CLIMATE ACTION PLAN

Everyone has a role in implementing the state's climate action plan. The OSCE developed this tool to help you consider how you might use this plan as inspiration for your own climate action.

Think about the many hats you may wear and how they may interact with this plan. I am a...

Homeowner

Student

Employee

Landowner

Business/Non-profit owner

Salesperson

Government representative

Teacher

Parent

Other _____

Out of the economic sectors this plan covers, which ones are of most interest to you?

Agriculture

Natural and Working Lands

Buildings

Transportation

Energy Generation

Waste and Materials

Industrial Process and Facilities

Which actions seemed most relevant to your day-to-day life or work?

Considering your roles, is there anything you are currently doing that furthers these actions?

What actions could you take in your current role to make progress on one of the actions identified?

What would you like to do but need more support (financial, technical, etc.) to accomplish?

Do you know any other organizations or people working on this action? If not, where might you find other organizations or people who are working on it?

Need more information or want to share your thoughts? Visit the [OSCE.wi.gov](https://osce.wi.gov) website or email osce@wisconsin.gov



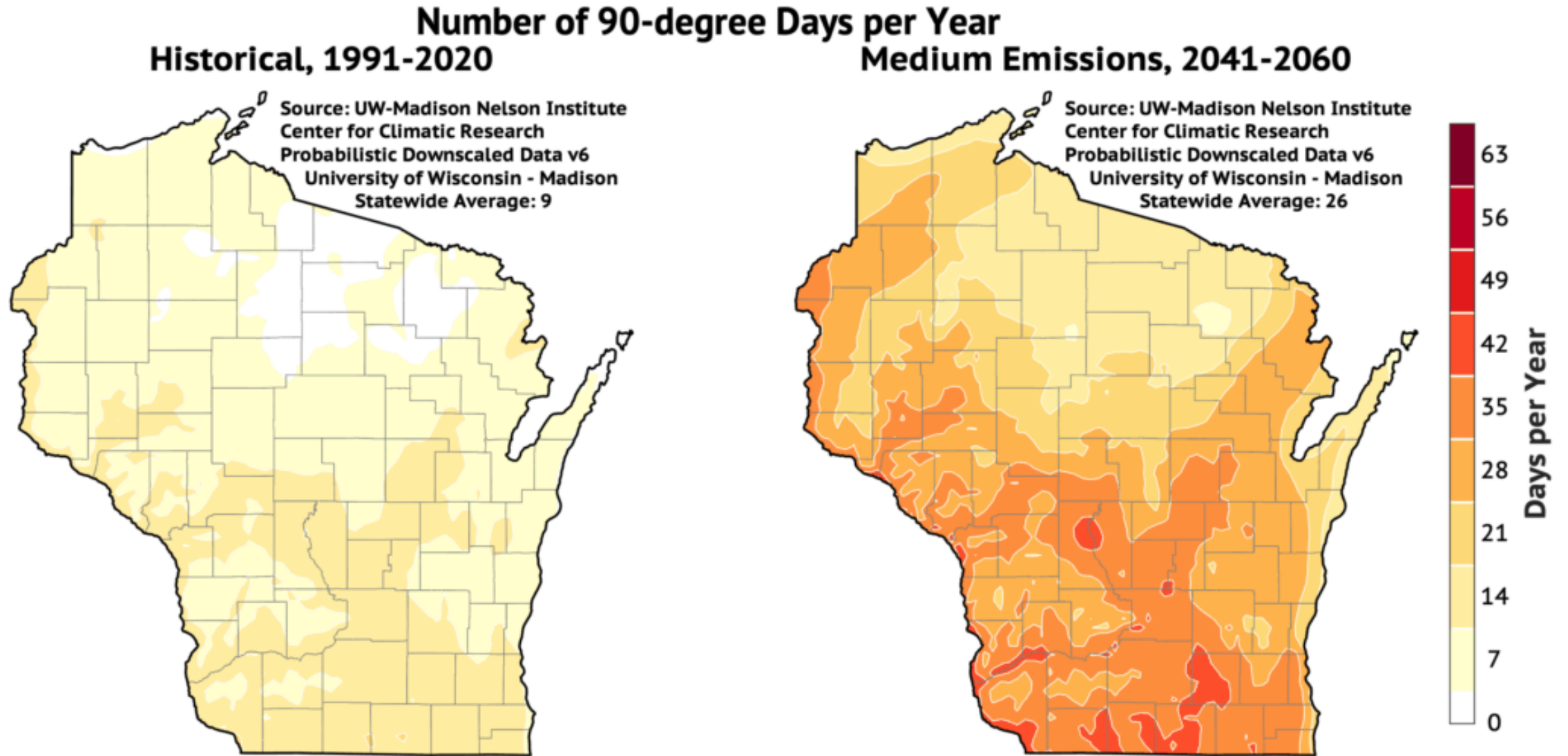
ROADMAP RESULTS

WHAT ARE “EMISSIONS”?

From the U.S. EPA:

“Greenhouse gases **trap heat** and make the planet warmer. Human activities are responsible for almost all of the increase in greenhouse gases in the atmosphere over the last 150 years. The largest source of greenhouse gas emissions from human activities in the United States is from **burning fossil fuels** for electricity, heat, and transportation.”

HEATING UP



Source: WICCI 2026 Assessment Report

WHAT DOES THIS MEAN FOR OUR WEATHER?



Wetter winters and springs



More frequent and intense extreme precipitation events



Extreme nighttime heat: Muggy nighttime lows



Rapid shifts: Alternating very wet and very dry periods



Rising costs: Increasing economic losses from severe weather

Source: WICCI 2026 Assessment Report

HOW MIGHT THIS AFFECT ME?

Tourism

Food
Availability

Heating and
Cooling

Storm
Damage

Air Quality

Health

- **Financial risk:** Climate change could cost Wisconsin agriculture up to \$385 million annually
- **Livestock heat stress:** Rising temperatures impact dairy health and milk production
- **Worker safety:** Rising temperatures increase risks for outdoor labor
- **New pests and diseases:** Tar spot, southern rust, and frogeye leaf spot are becoming more common and causing severe crop loss
- **Water quality and availability:** Volatile rainfall disrupts water supply and increases nutrient runoff

Source: WICCI 2026 Assessment Report

SECTORS



Agriculture



Commercial and
Residential
Buildings



Energy



Industry



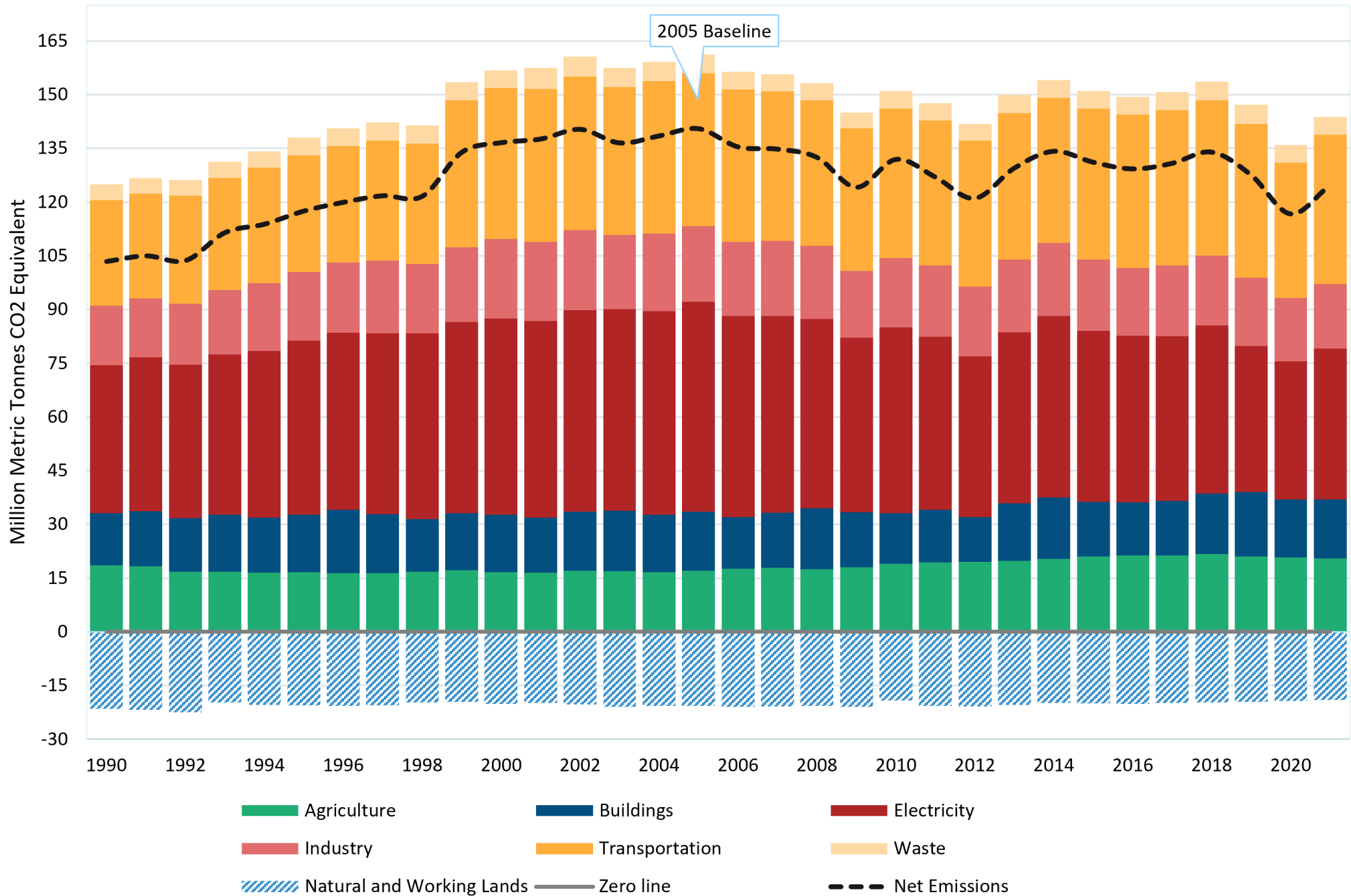
Natural and
Working Lands



Transportation



Waste and
Materials
Management



GREENHOUSE GAS INVENTORY (2024)

EMISSIONS REDUCTION ROADMAP ACTIONS



Actionable: Relative to targets, inventories, authority to implement, scale



Ambitious: Reflect 1.5-2 Degree C warming, reflect the Wisconsin situation



Achievable: Align with economy-wide and sector specific reduction targets (bottom-up, top-down, hybrid approach); economically and technically feasible

AGRICULTURE



Emissions in this sector come from farming practices such as growing of crops including treatment of soil and fertilization, and emissions from livestock such as enteric fermentation and manure management.

Biggest Opportunity: Supporting Farm Waste Management

COMMERCIAL AND RESIDENTIAL BUILDINGS



GHG emissions from the Commercial and Residential Buildings sector account for non-electricity energy usage such as space and water heating.

Biggest Opportunities: Energy Efficiency, Building Retrofits

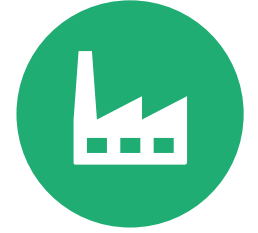
ENERGY GENERATION



This sector includes both direct emissions from electric generating units (EGUs) located within the state and indirect emissions from imported electricity used in Wisconsin, as well as emissions from non-electric energy sources such as natural gas and oil.

Biggest Opportunity: Supporting Distributed Energy

INDUSTRIAL PROCESS AND FACILITIES



The industrial sector accounts for non-energy GHG emissions that occur during the handling and use of specific chemicals in certain industrial processes, and for industrial facility emissions related to heating, cooling, and on-site energy generation.

Biggest Opportunity: Energy Efficiency

NATURAL AND WORKING LANDS



Because land (soil), trees, and plants emit and store carbon this sector considers both direct emissions from sources and indirect impacts of storing carbon (carbon sequestration) in forests and agricultural soils.

Biggest Opportunities: Wood Product Utilization, “No Net Loss”

TRANSPORTATION



Emissions estimated for this sector include both highway and non-highway mobile sources.

Biggest Opportunities: Passenger EVs, Medium and Heavy Duty Electrification, Location-efficient Development

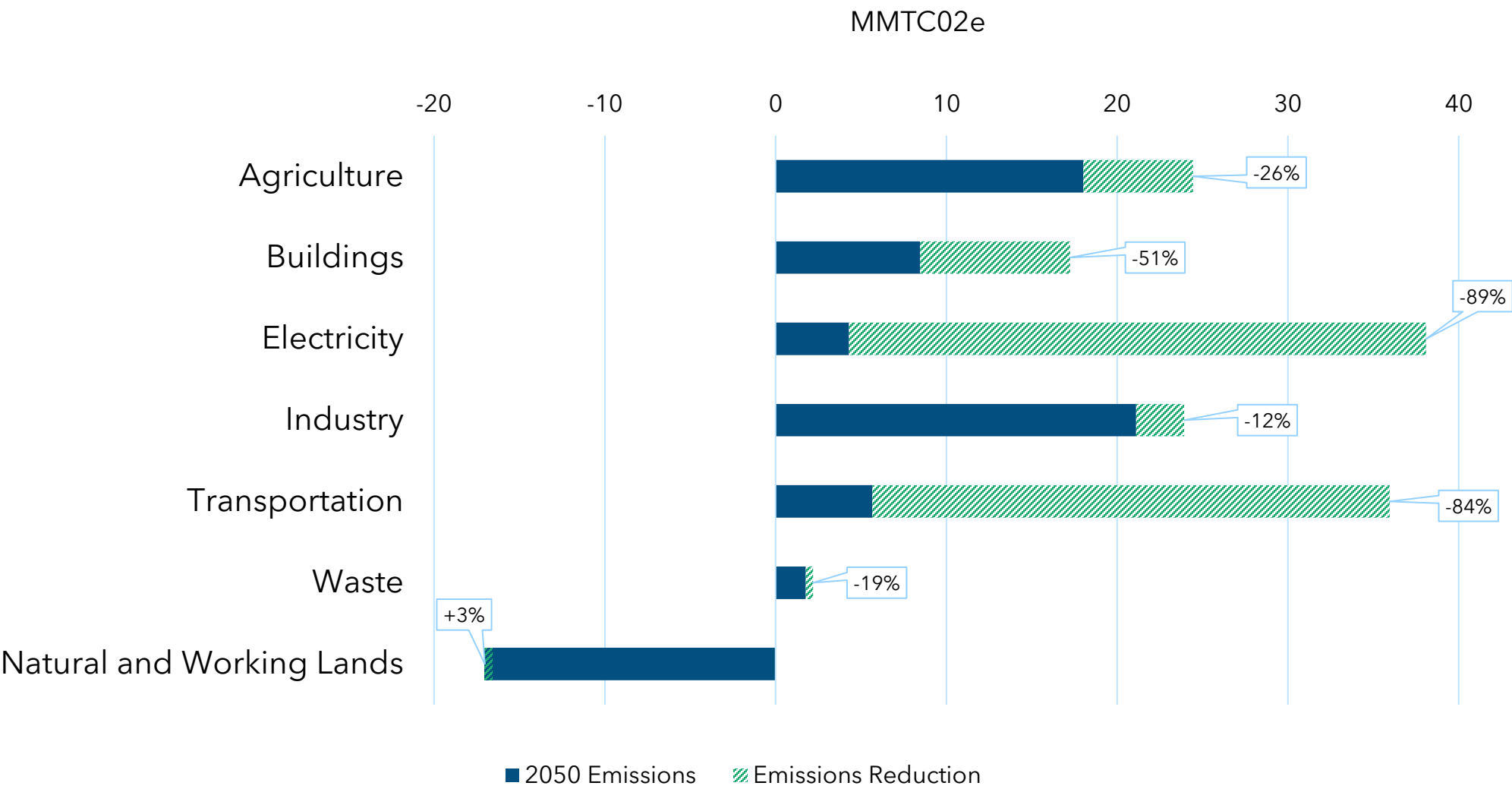
WASTE AND MATERIALS MANAGEMENT

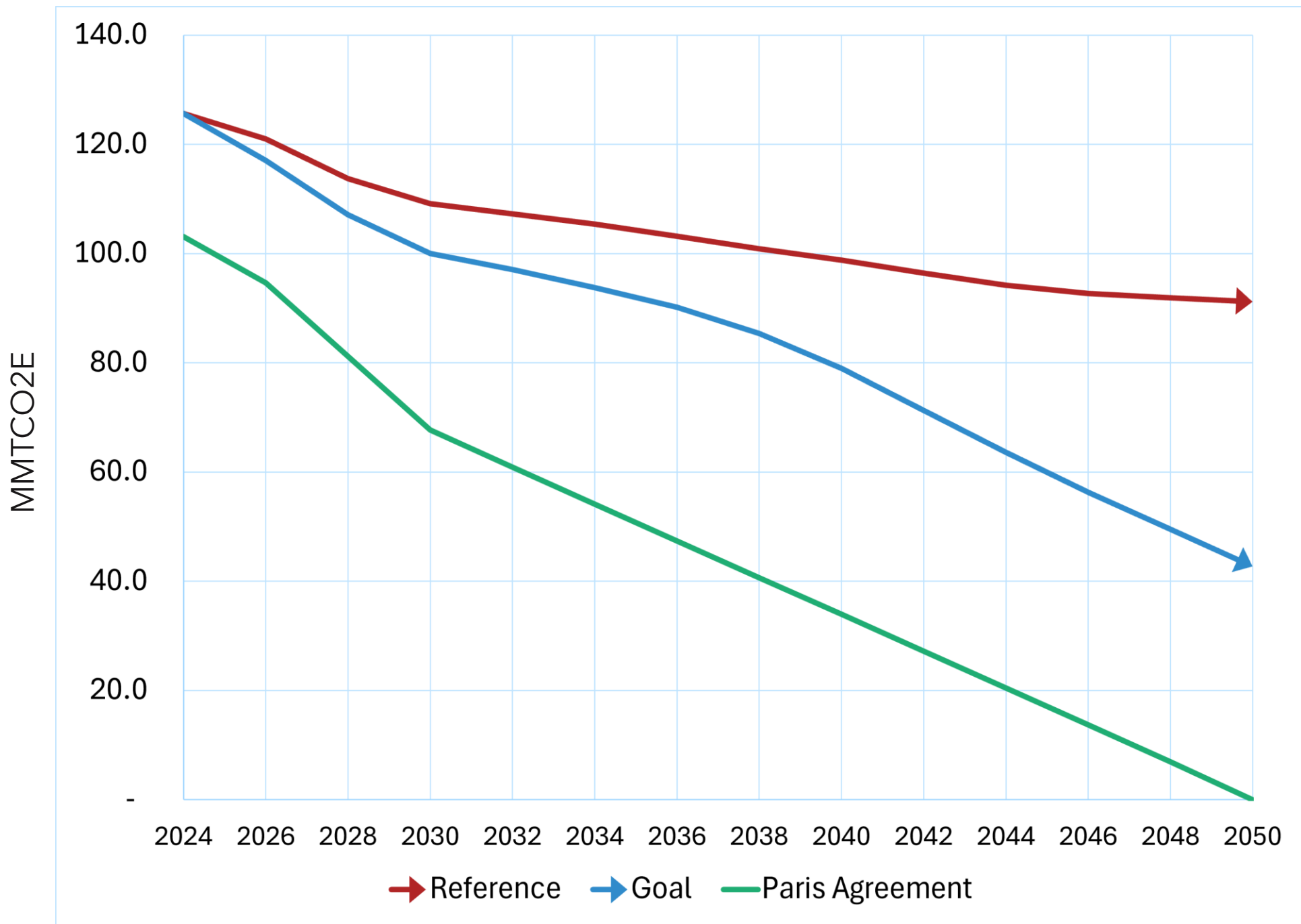


Waste sector emissions account for GHG emissions related to solid waste and wastewater activities.

Biggest Opportunities: Food Waste, Solid Waste Methane Capture

CHANGE IN GHG EMISSIONS FROM ACTIONS 2024-2050





EMISSIONS PROJECTIONS



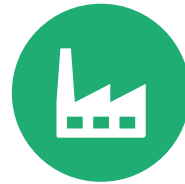
Agriculture
Sep. 14, 630-730PM



Commercial & Residential Buildings
Sep. 21, 630-730PM



Energy
Sep. 28, 630-730PM



Industry
Oct. 05, 630-730PM



Natural and Working Lands
Oct. 12, 630-730PM



Transportation
Oct. 19, 630-730PM



Waste & Materials Management
Nov. 9, 630-730PM



THANK YOU!

USE THE QR CODE TO
VIEW OUR UPCOMING
WEBINARS

Contact us: osce@wisconsin.gov or OSCE.wi.gov

