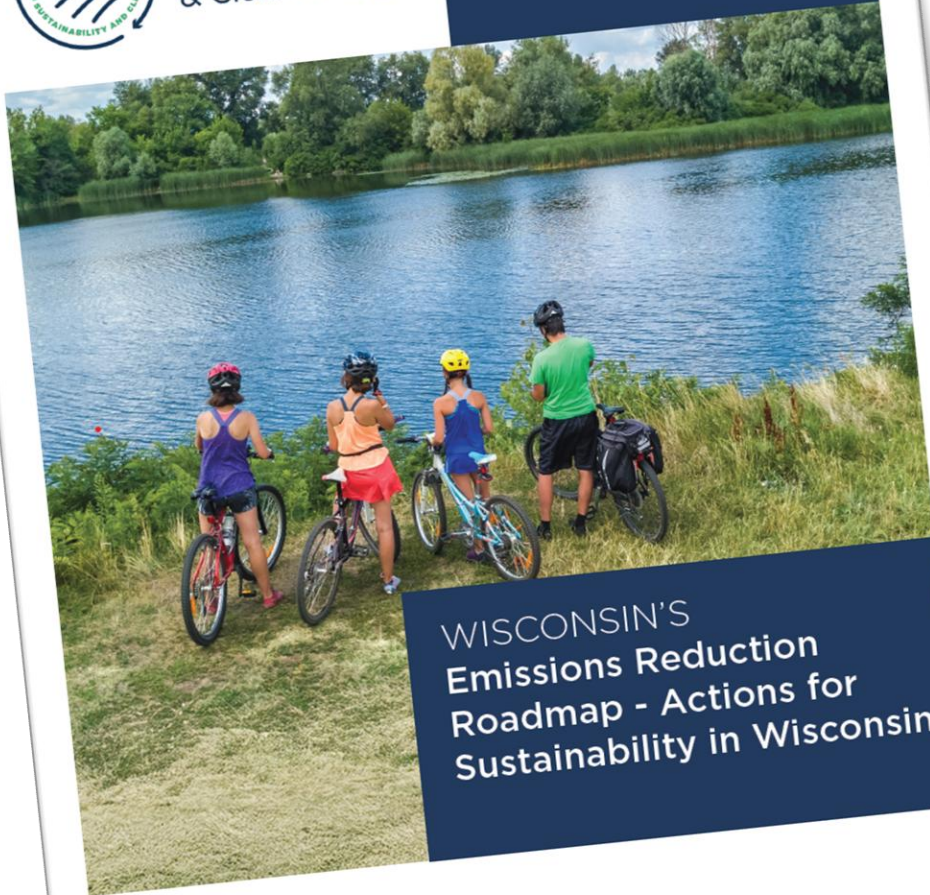




WISCONSIN OFFICE OF
Sustainability
& Clean Energy



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

JUNE 2026



WISCONSIN'S EMISSIONS REDUCTION ROADMAP:

INDUSTRIAL SECTOR

10.05.2026

WEBINAR OVERVIEW

- Climate Action Planning Review
- What is Wisconsin's Emissions Reduction Roadmap?
- Industrial Sector Deep Dive
- 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
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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

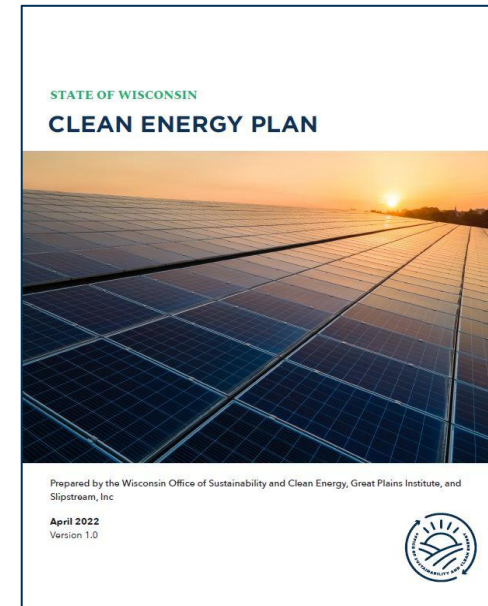


Executive Order
52: Governor's Task
Force on Climate
Change

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
psc@wisconsin.gov

Mar 2024

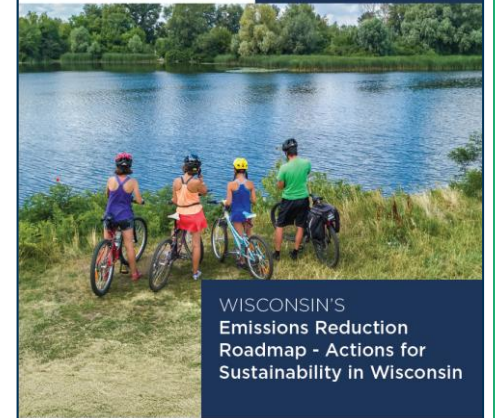
STATE OF WISCONSIN **CLEAN ENERGY PLAN** Progress Report



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



Aug 2024



WISCONSIN'S
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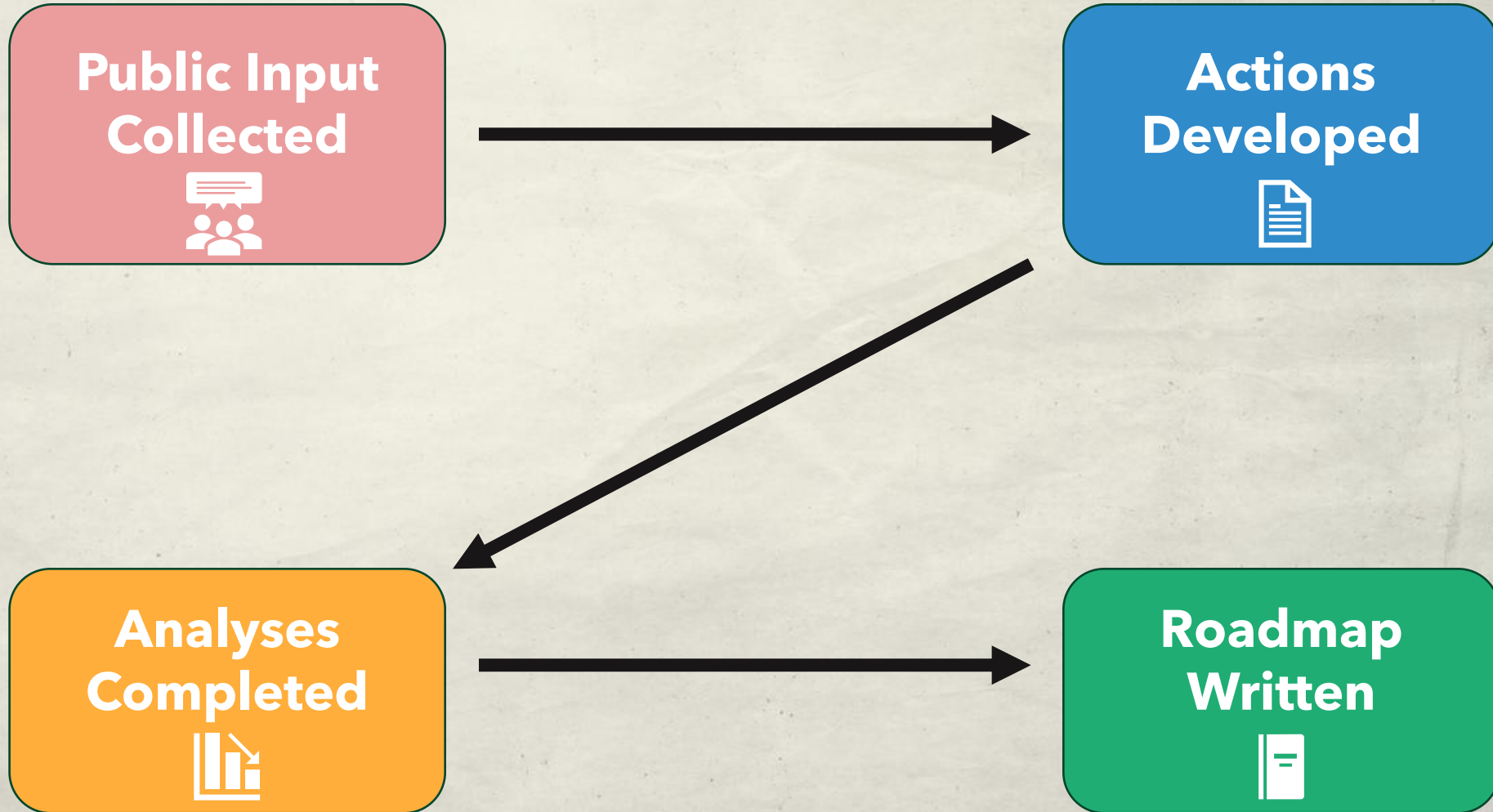
Jun 2026



ROADMAP OVERVIEW

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



WHY EMISSIONS REDUCTIONS PLANNING?

WHAT ARE “EMISSIONS”?

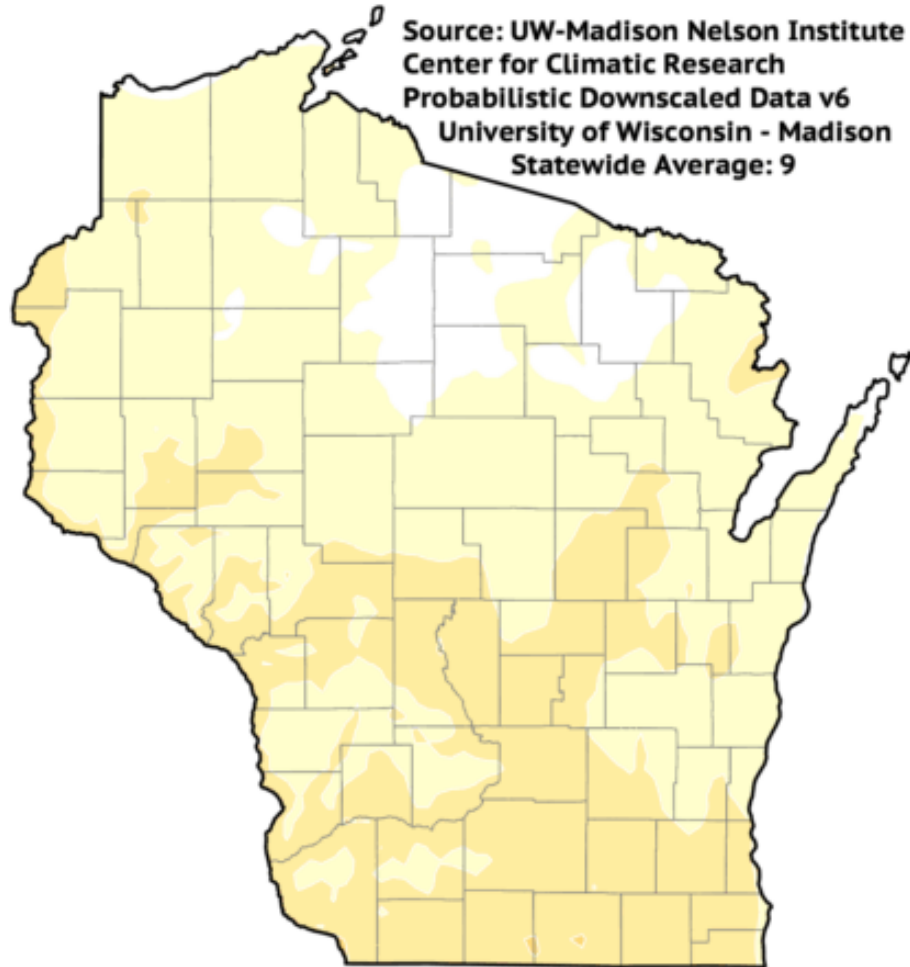
From the U.S. EPA:

“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.”

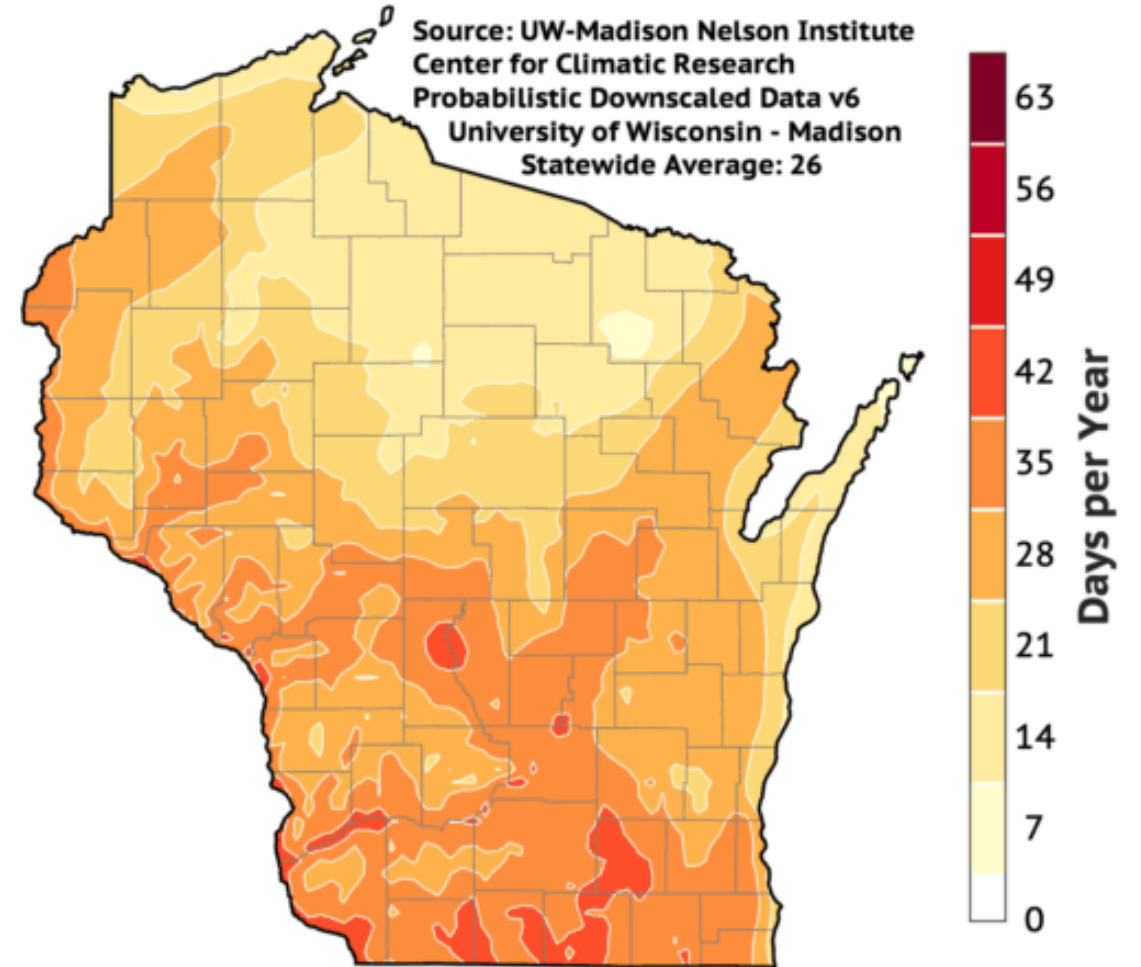
HEATING UP

Number of 90-degree Days per Year

Historical, 1991-2020



Medium Emissions, 2041-2060



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](#)

SECTORS



Agriculture



Commercial and
Residential
Buildings



Energy



Industry



Natural and
Working Lands

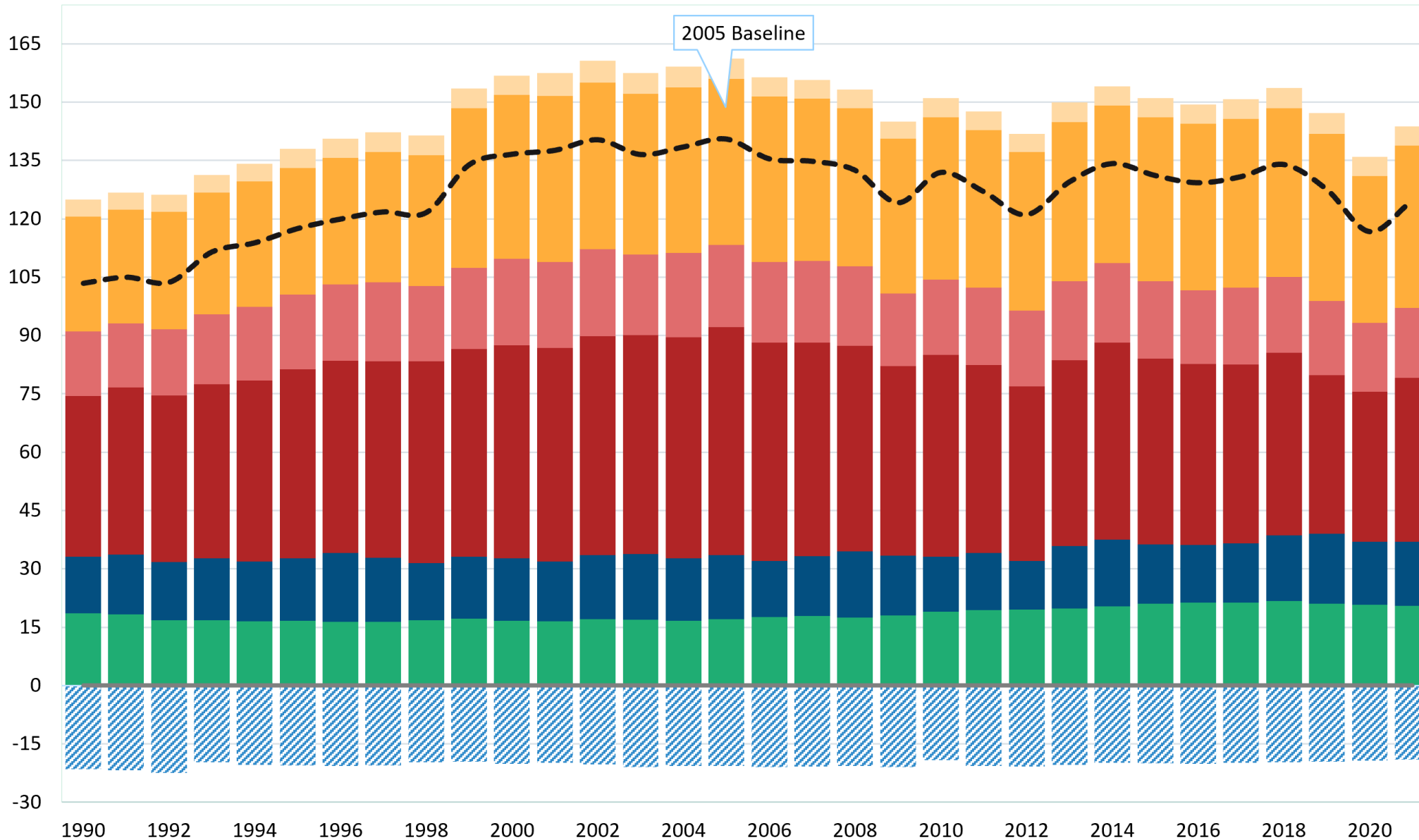


Transportation



Waste and
Materials
Management

Million Metric Tonnes CO2 Equivalent



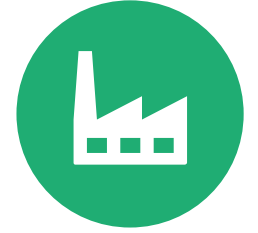
- Agriculture
- Buildings
- Electricity
- Industry
- Transportation
- Waste
- Natural and Working Lands
- Zero line
- Net Emissions

GREENHOUSE GAS INVENTORY (2024)



INDUSTRIAL SECTOR DEEP DIVE

INDUSTRIAL PROCESS AND FACILITIES



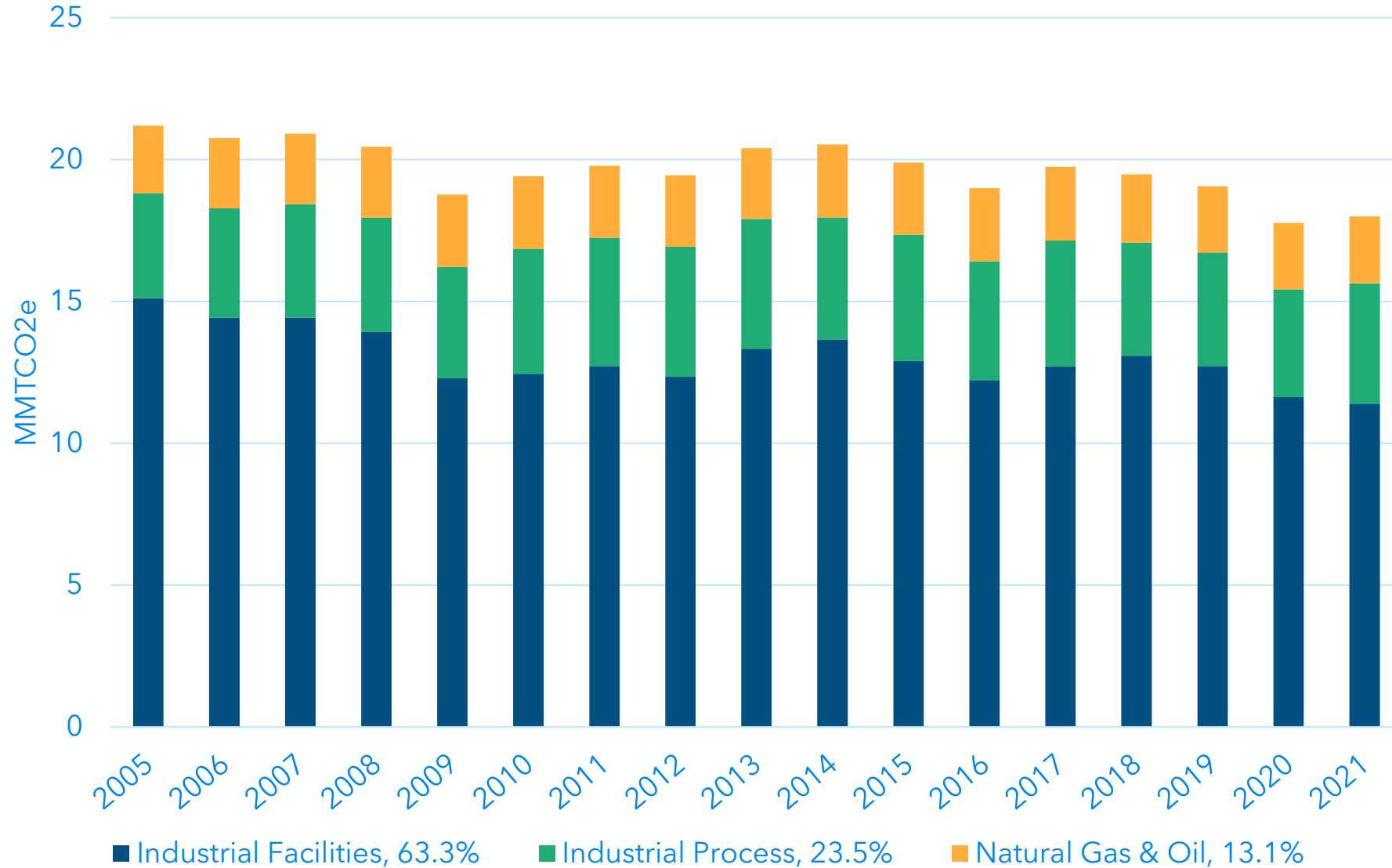
The industrial sector accounts for

1. Non-energy GHG emissions that occur during the handling and use of specific chemicals in certain industrial processes;
2. Industrial facility emissions related to heating, cooling, and on-site energy generation;
3. Emissions released during the gathering, processing, and transportation of natural gas and oil.

Percent of Gross Emissions: 12.5%

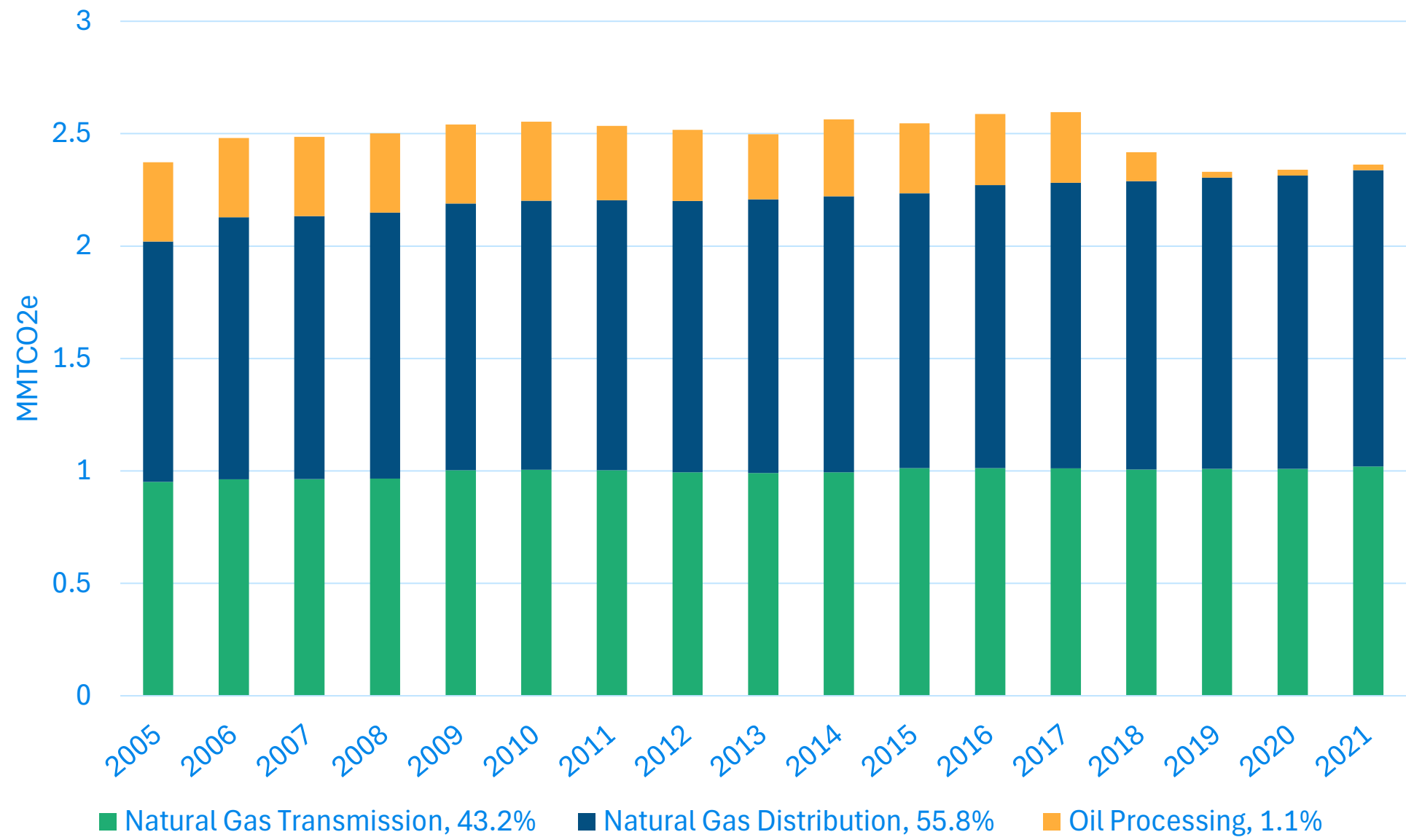
Biggest Opportunity: Energy Efficiency

INDUSTRIAL SECTOR EMISSIONS BY SOURCE



Legend includes percent of 2021 total.

NATURAL GAS AND OIL EMISSIONS



Legend includes percent of 2021 total. *Non-zero number rounded to zero.

ACTIONS FOR REDUCTIONS

#	GHG Reduction Actions	2025-2030	2025-2050
4.1	Support commercial and industrial energy efficiency	1.43	3.54
4.2	Facilitate industrial decarbonization with training and incentives	0.10	0.96
4.3	Implement a renewable thermal standard that incorporates newer technologies and efficiencies	1.30	1.90

Estimated reductions in MMTCO₂e within the timeframe.

4.1 SUPPORT COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY

- Process efficiencies
- Building upgrades and retrofits

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
1.43	3.54



4.2 FACILITATE INDUSTRIAL DECARBONIZATION WITH TRAINING AND INCENTIVES

- Based on an uptake of training programs and incentives provided by state and utilities.

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
0.10	0.96



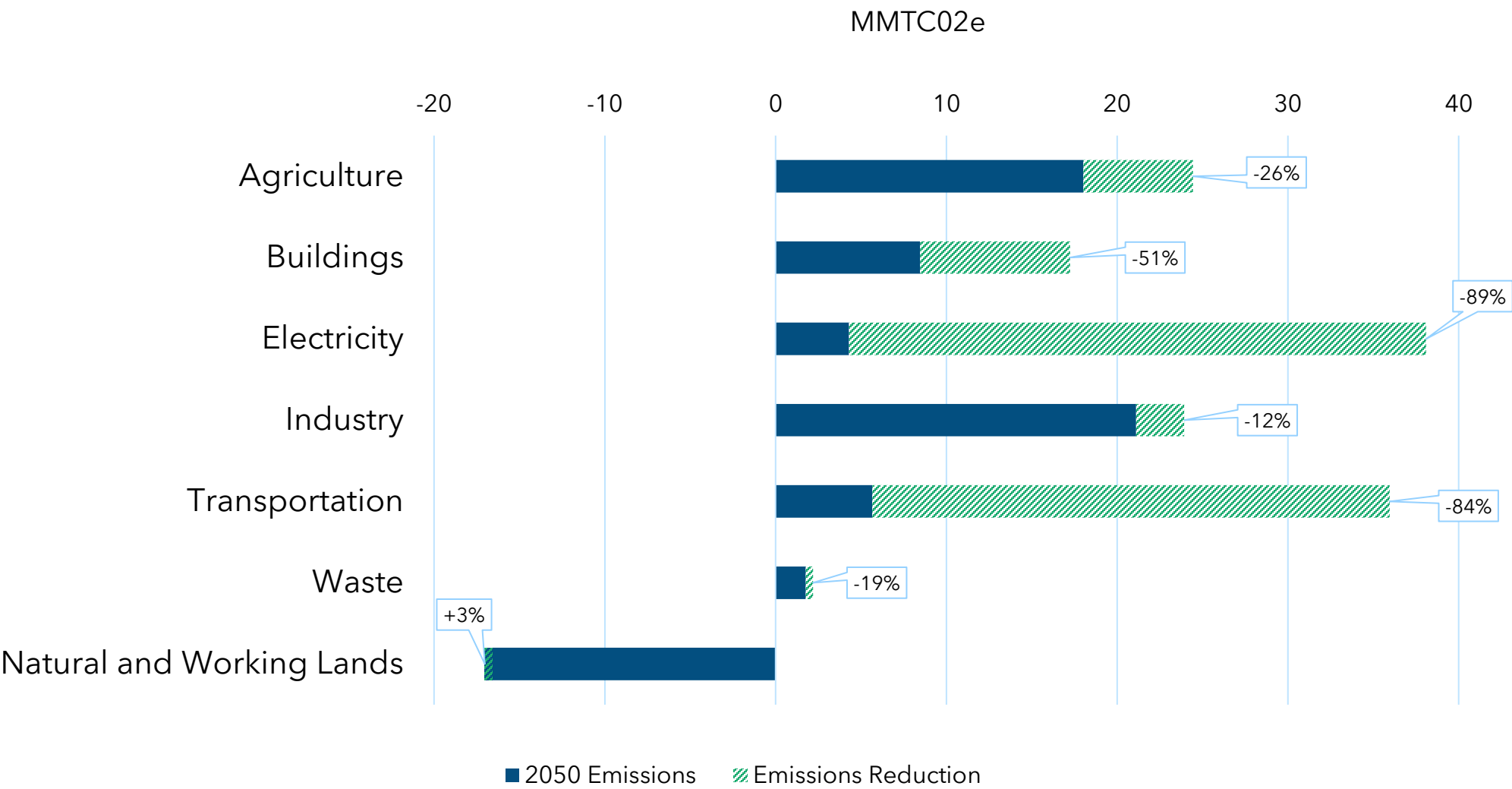
4.3 IMPLEMENT A RENEWABLE THERMAL STANDARD THAT INCORPORATES NEWER TECHNOLOGIES AND EFFICIENCIES

- Current Renewable Portfolio Standard only applies to utilities and does not incorporate newer tech

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
1.30	1.90

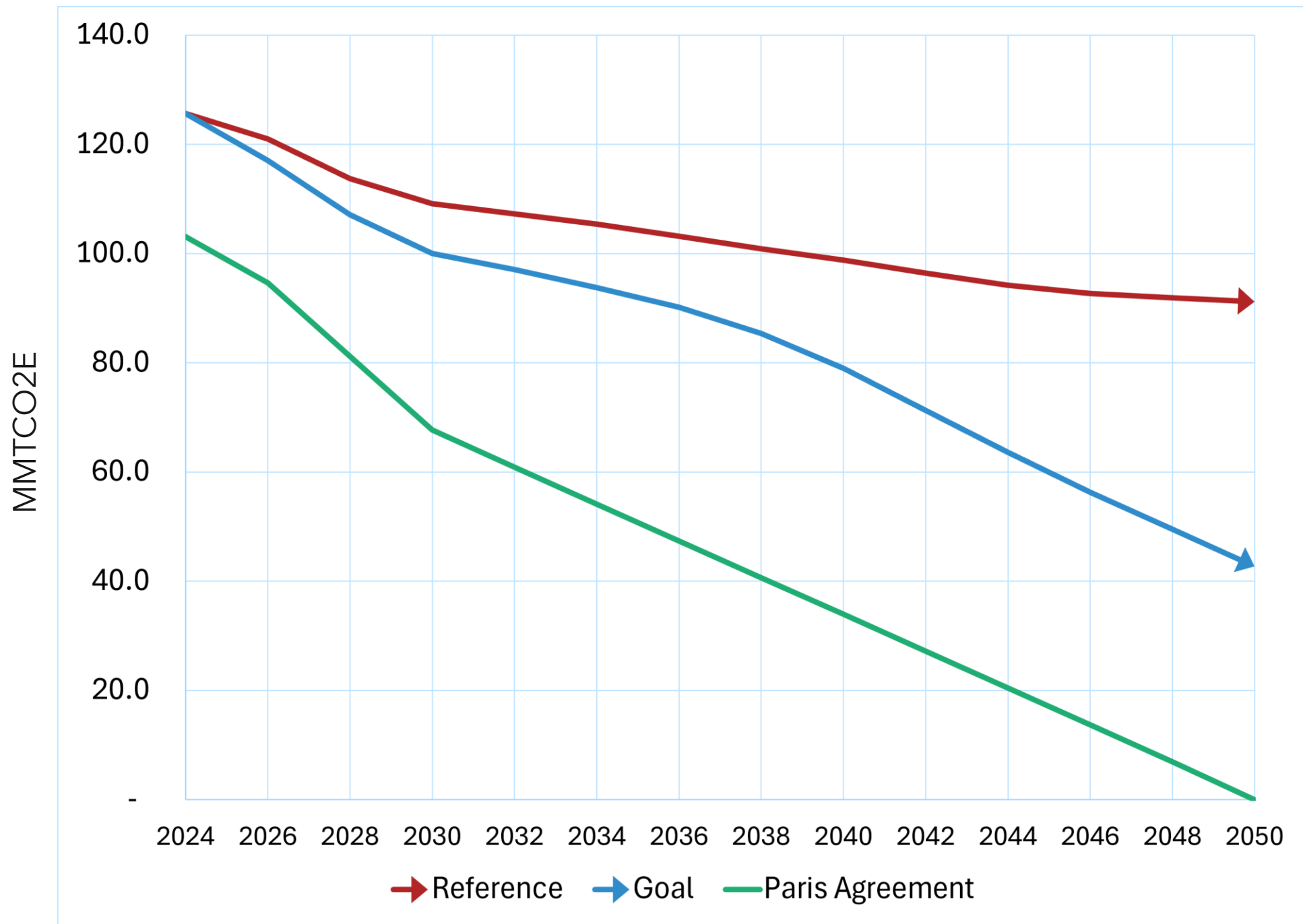


CHANGE IN GHG EMISSIONS FROM ACTIONS 2024-2050



CURRENT SUPPORT FOR ACTIONS

- **Public Service Commission of Wisconsin - Office of Energy Innovation**
 - Energy Innovation Grant Program
 - Focus on Energy®
 - Custom and prescriptive incentives for manufacturing customers
- **Wisconsin Economic Development Corporation**
 - Green Innovation Fund
- **Wisconsin Manufacturing and Extension Partnership**
- **UW-Stevens Point Wisconsin Institute for Sustainable Technology**
 - Paper product testing



EMISSIONS PROJECTIONS

RESOURCES

- [Clean Energy Plan and Progress Reports](#)
- Moody's ESG Solutions, ["Critical industries have substantial exposure to physical climate risks"](#)
- UN Environmental Programme Finance Initiative, ["Climate Risks in the Industrial Sector"](#)
- Clean Air Task Force, ["Decarbonization Pathways and Policy Recommendations for the United States Steel Sector"](#)
- American Forest and Paper Association, ["2030 Sustainability Goals"](#)
- EULA, ["A Pathway to Negative CO2 Emissions by 2050"](#)
- LIME, ["A Roadmap to Carbon Neutrality for the U.S. Lime Industry"](#)
- USDA, ["The Energy Balance of Cord Ethanol: An Update"](#)
- [UW Milwaukee Industrial Training and Assessment Center](#)
- [UW Stevens Point Wisconsin Institute for Sustainable Technology](#)
- [Wisconsin DNR Green Tier Charter](#)
- [Sustainable Business Council Green Masters Program](#)



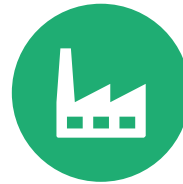
Agriculture
Sep. 14, 630-730PM



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



Electricity Generation
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

