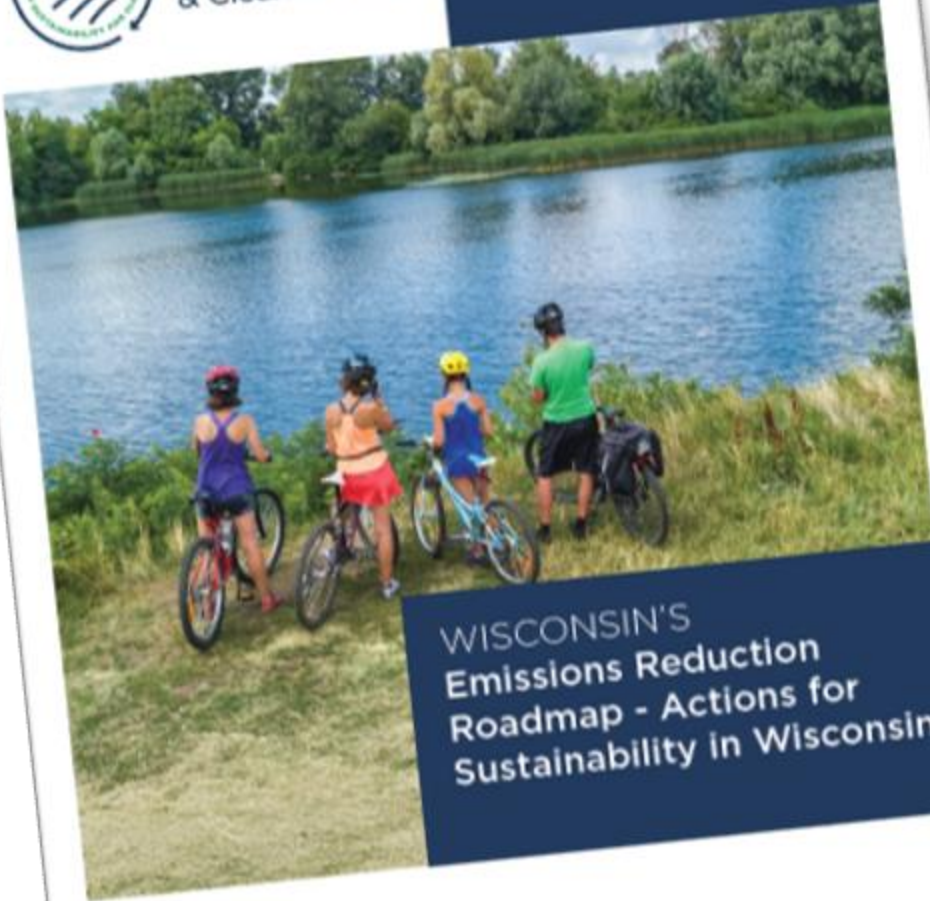




WISCONSIN OFFICE OF
Sustainability
& Clean Energy



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

JUNE 2026



WISCONSIN'S EMISSIONS REDUCTION ROADMAP:

NATURAL AND WORKING LANDS SECTOR

10.12.2026

WEBINAR OVERVIEW

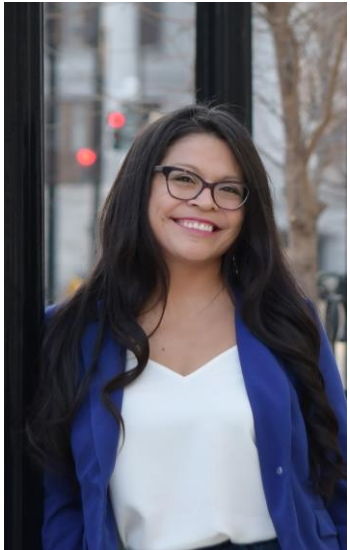
- Climate Action Planning Review
- What is Wisconsin's Emissions Reduction Roadmap?
- Natural and Working Lands Sector Deep Dive
- Webinar Series
- Q&A





MEET THE OSCE TEAM

WISCONSIN OFFICE OF SUSTAINABILITY & CLEAN ENERGY



Maria Redmond
Director



Caity Carmody
CPRG Technical
Coordinator and
Analyst



Eleanor Gagnon
CPRG Outreach
and Engagement
Specialist



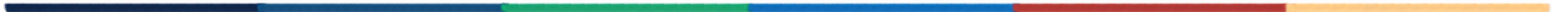
Eneida Hysi
CPRG Grants
Specialist



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



Dylan Stone
Climate and Clean
Energy Initiatives
Coordinator



OSCE GOALS

AS ESTABLISHED VIA EXECUTIVE ORDER #38 BY GOVERNOR EVERS:

1. Achieve 100 percent carbon-free energy consumption in the state by 2050;
2. Reduce Wisconsin emissions in line with the Paris Agreement;
3. Develop a clean energy plan;
4. Support clean energy workforce training;
5. Foster clean energy innovation, research, and business development;
6. Create efficiency standards for new and existing state buildings.

CLEAN ENERGY AND CLIMATE ACTION POLICY & PLANNING



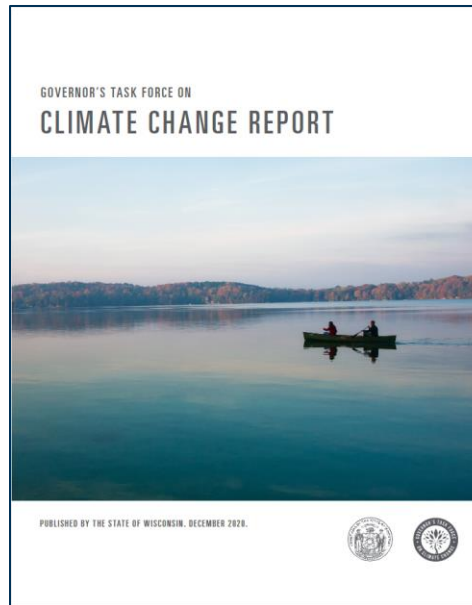
Executive Order
38: Relating to
Clean Energy

Aug 2019

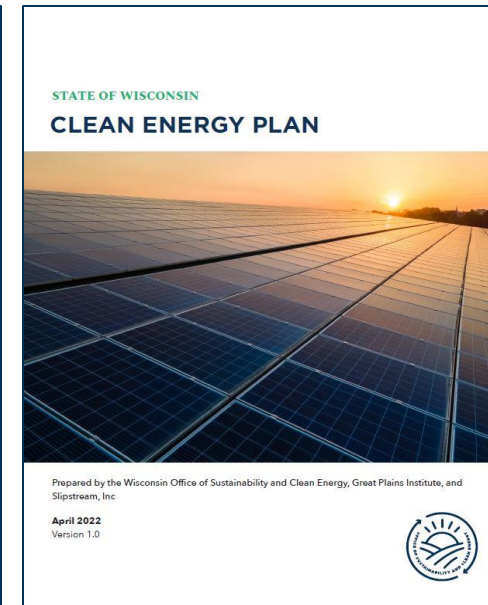


Executive Order
52: Governor's Task
Force on Climate
Change

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

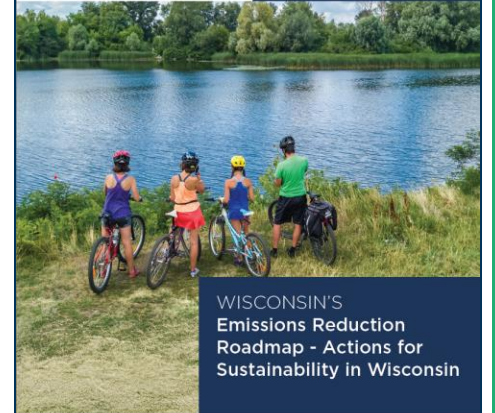
STATE OF WISCONSIN **CLEAN ENERGY PLAN** Progress Report



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



Aug 2024



WISCONSIN'S
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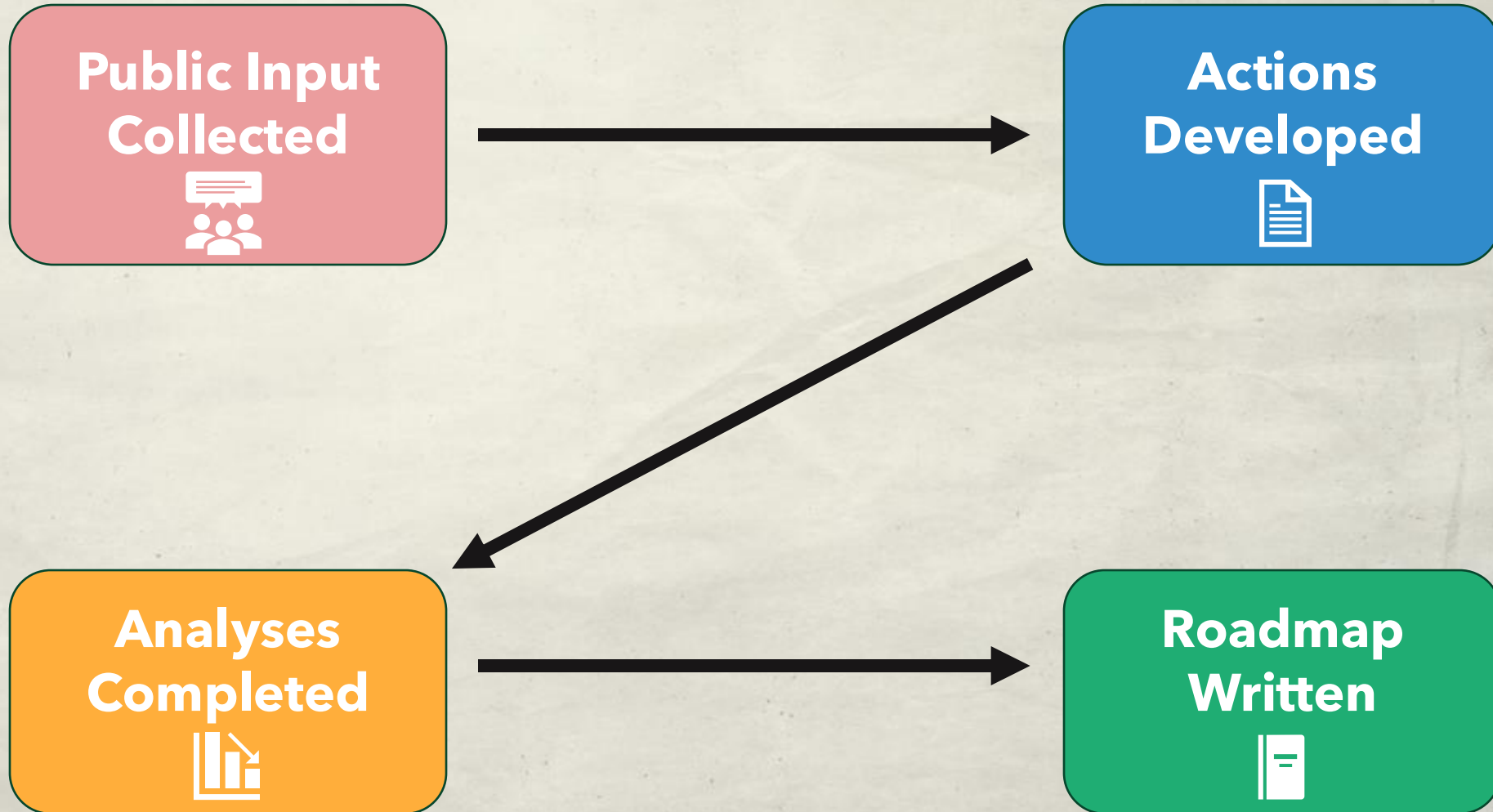
Jun 2026



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



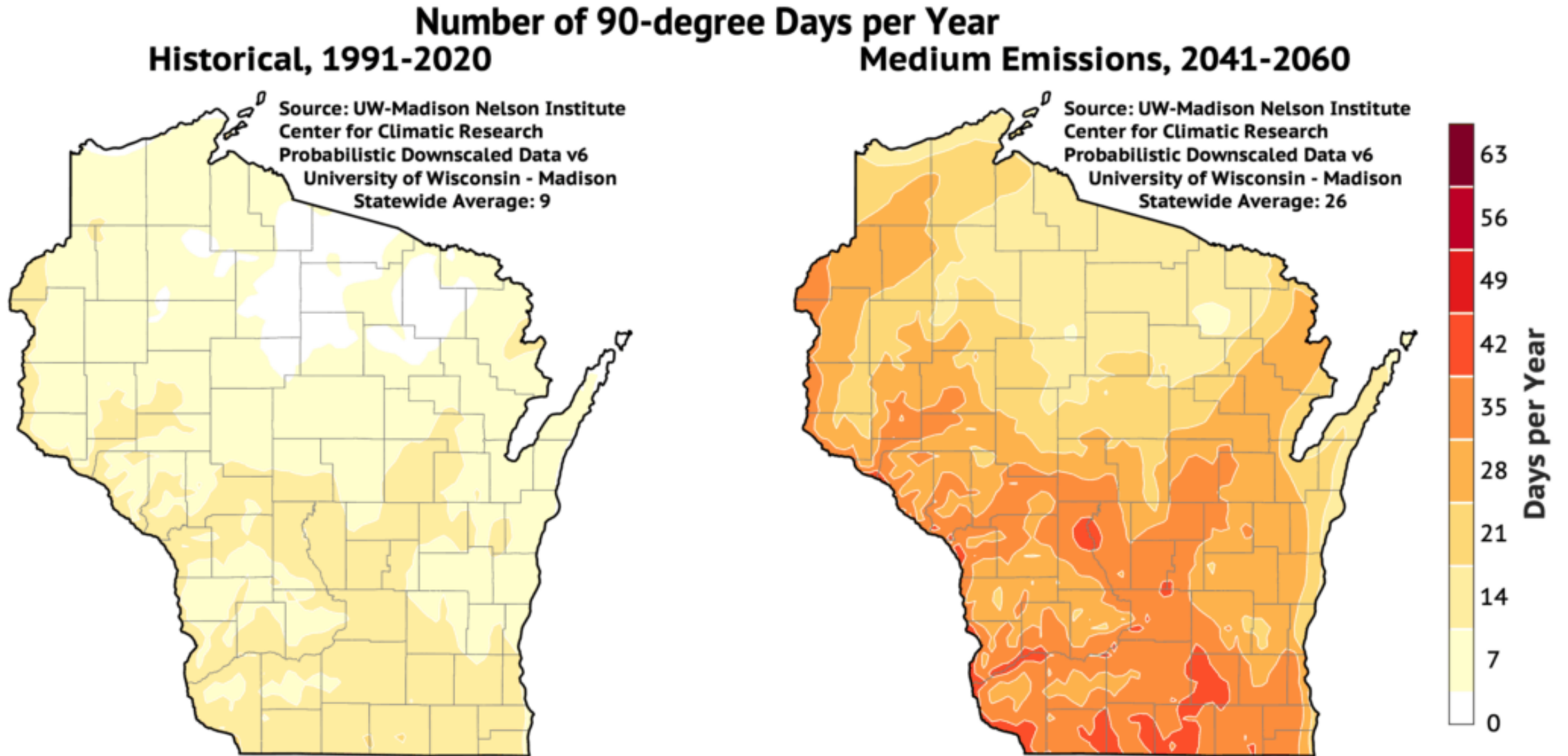
WHY EMISSIONS REDUCTIONS PLANNING?

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



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



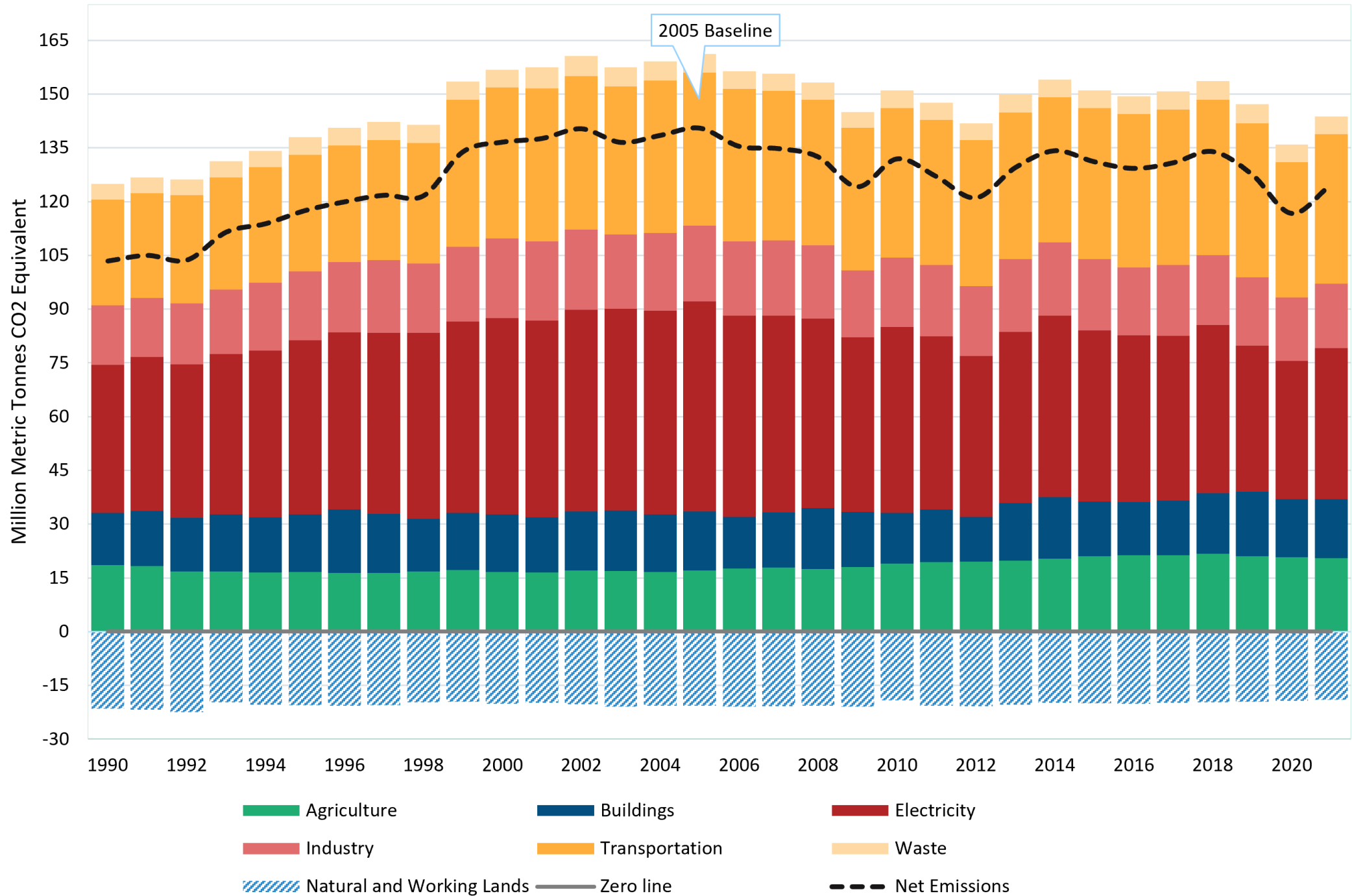
Natural and
Working Lands



Transportation



Waste and
Materials
Management

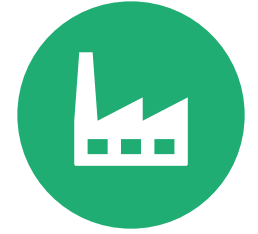


GREENHOUSE GAS INVENTORY (2024)



NATURAL AND WORKING LANDS SECTOR DEEP DIVE

NATURAL AND WORKING LANDS

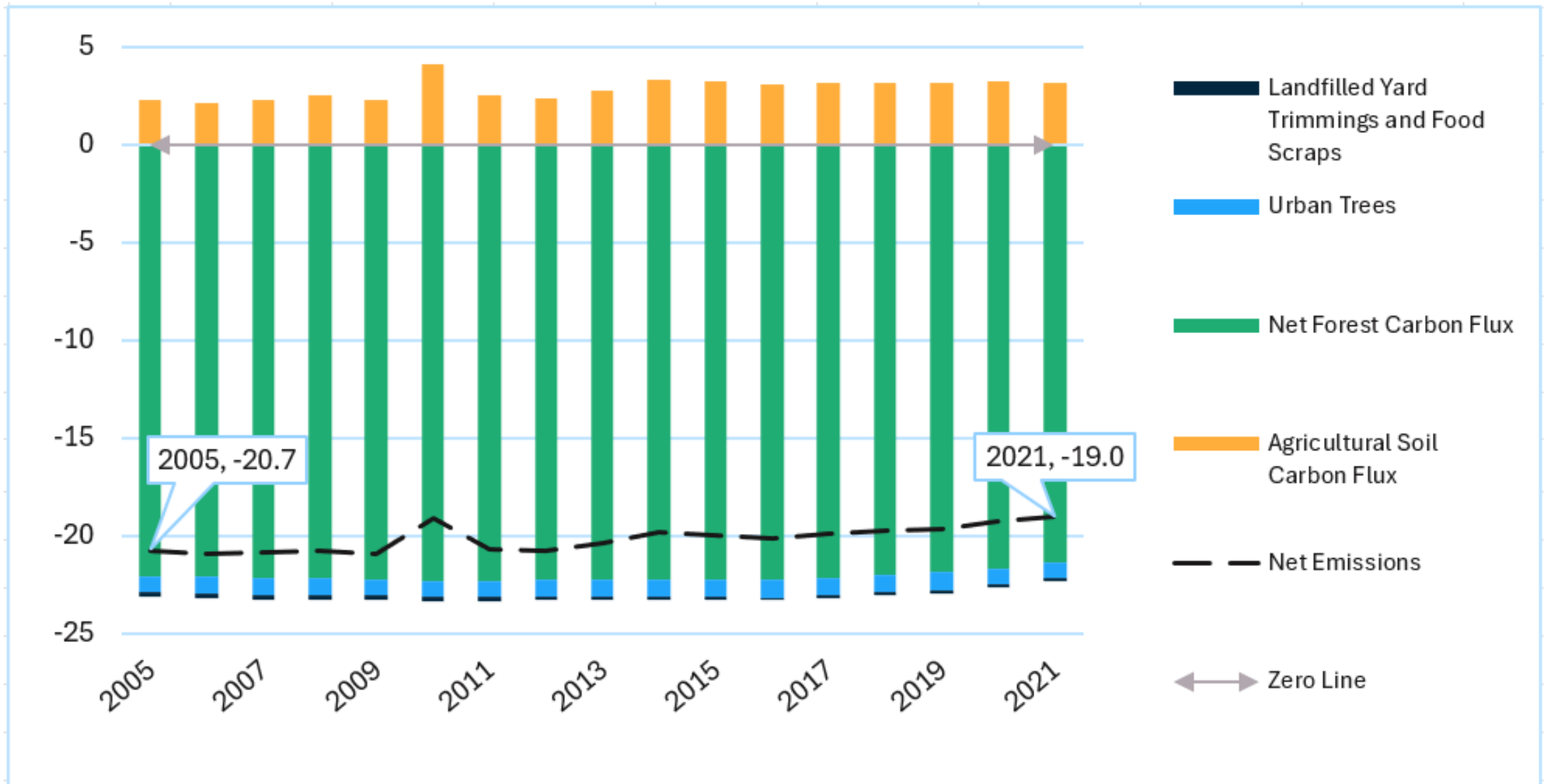


Because land (soil), trees, and plants emit and store carbon this sector considers both direct emissions from sources and indirect impacts of storing carbon (carbon sequestration) in forests and agricultural soils.

Percent Offset of Gross Emissions: 13%

Biggest Opportunity: "No Net Loss"

NATURAL AND WORKING LANDS BY SOURCE



Not pictured (near zero impact): Forest Fires, N2O from Settlement Soils

ACTIONS FOR REDUCTIONS

#	GHG Reduction Actions	2025-2030	2025-2050
5.1	Promote sustainable forest management practices	0.11	0.39
5.2	Support Wisconsin wood product utilization	0.61	1.18
5.3	Encourage tree canopy growth in communities	0.03	0.15
5.4	Adopt a “No Net Loss” goal for natural landscapes	0.36	1.26

Estimated reductions in MMTCO₂e within the timeframe.

5.1 PROMOTE SUSTAINABLE FOREST MANAGEMENT PRACTICES

- Increase in growth in forests
- Increase in trees in forests

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
0.11	0.39

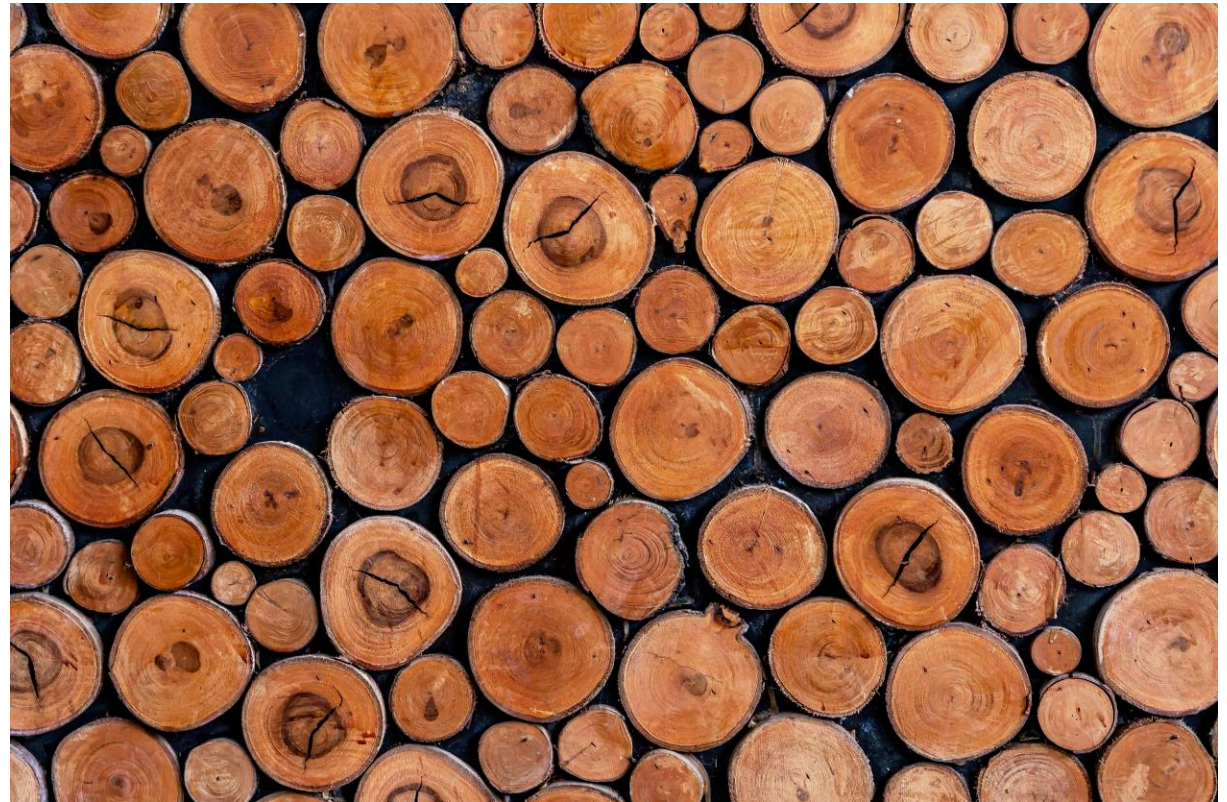


Photo Credit: USFWS

5.2 SUPPORT WISCONSIN WOOD PRODUCT UTILIZATION

- Waste wood utilization
- Replacing high-embodied carbon materials with wood products

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
0.61	1.18



5.3 ENCOURAGE TREE CANOPY GROWTH IN COMMUNITIES

- Reforesting urban forests

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
0.03	0.15



Photo Credit: USFS

5.4 ADOPT A “NO NET LOSS” GOAL FOR NATURAL LANDSCAPES

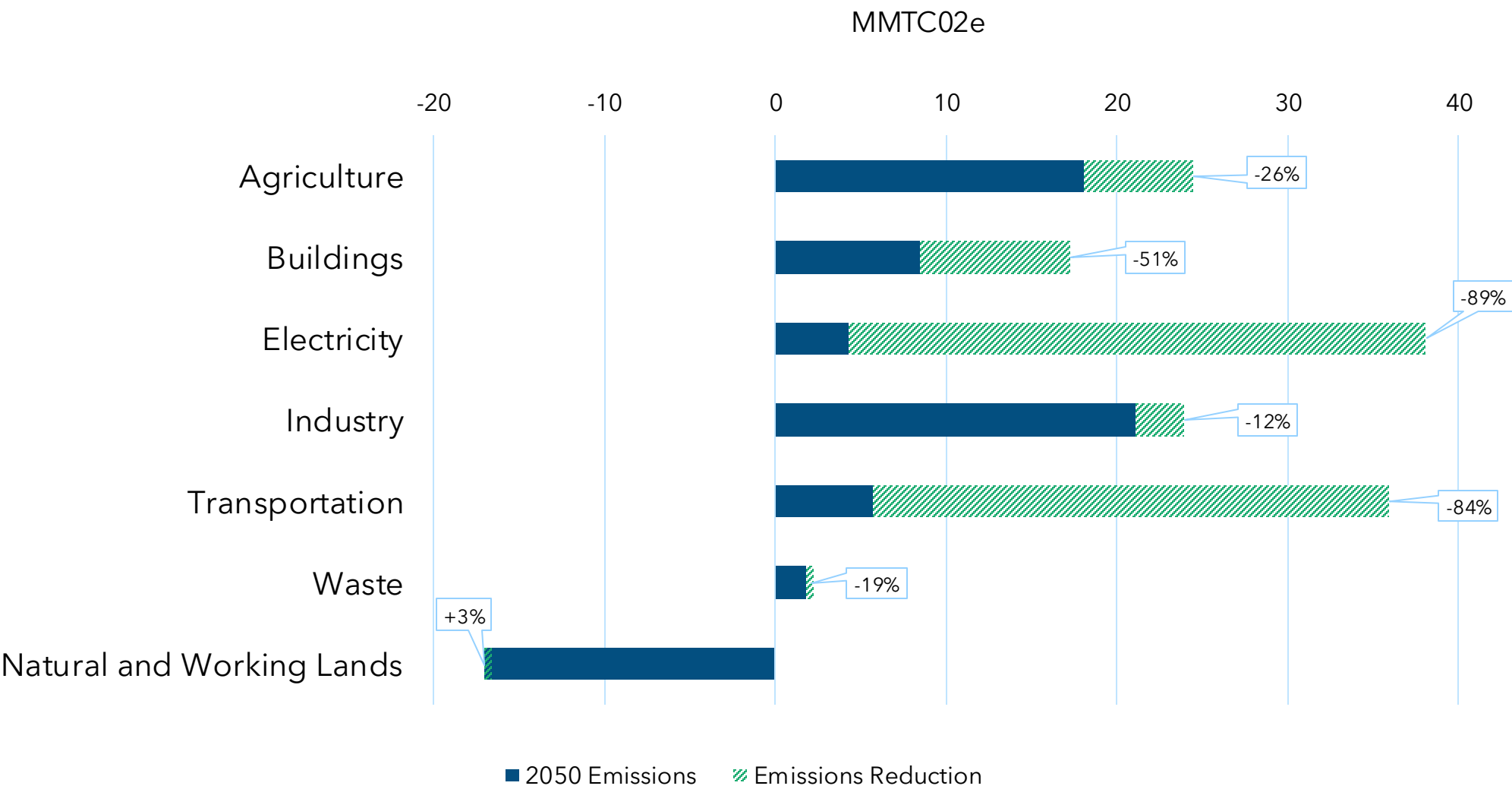
- Prioritization of forest and grassland growth

Reductions in MMTCO ₂ e	
2025-2030	2025-2050
0.36	1.26



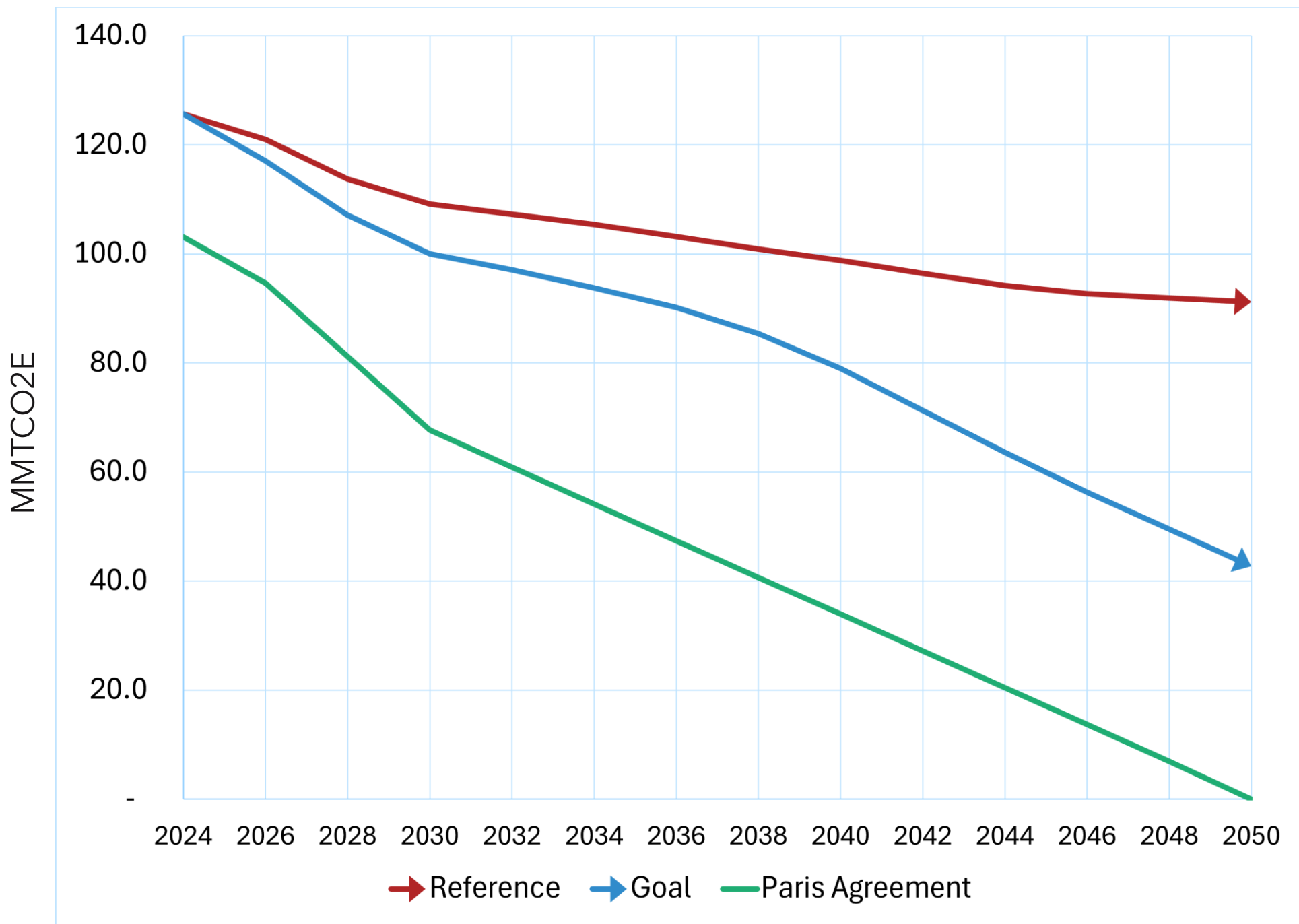
Source: Google Earth

CHANGE IN GHG EMISSIONS FROM ACTIONS 2024-2050



CURRENT SUPPORT FOR ACTIONS

- **Wisconsin Department of Agriculture, Trade, and Consumer Protection**
 - Conservation Reserve Enhancement Program
 - Farmland Preservation Program
- **Wisconsin Department of Natural Resources**
 - Local Use Dimension Lumber Program
 - WI Forest Landowner Grant Program
 - Managed Forest Law Tax Program
 - Urban Forestry Grants
 - Knowles-Nelson Stewardship Grants
 - County Forest Sustainable Grant



EMISSIONS PROJECTIONS

RESOURCES

- Wisconsin Department of Natural Resources, [2020 Statewide Forest Action Plan](#)
- WI DNR, [“Economic Contributions of Forest Products Industry to Wisconsin Economy”](#)
- WI DNR, [“Carbon in Wisconsin Forests”](#)
- Scott Bowe, et al, [“Paper Conversion Adding Value in Wisconsin”](#)
- WI DNR, [“Urban Forests”](#)
- Kai Lan, et al, [“Global land and carbon consequences of mass timber products”](#)
- [Fifth National Climate Assessment](#)
- WI DNR, [“Five Years Later, Effects of Derecho Remain”](#)
- U.S Department of Agriculture, Forest Service, [“Forests of Wisconsin, 2025 FIA Annual Snapshot”](#)



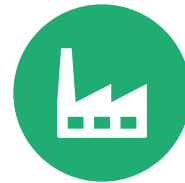
Agriculture
Sep. 14, 630-730PM



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

