



# Wisconsin's Clean Energy Plan Progress Webinar

ACCELERATING THE  
BENEFITS OF A CLEAN  
ENERGY FUTURE –  
ECONOMIC, HEALTH, AND  
RESILIENCE



# Office of Sustainability & Clean Energy



- [Executive Order #38](#)
- Goal of ensuring all electricity consumed within Wisconsin is 100% carbon-free by 2050
- Central to energy programs and policies in Wisconsin
- Climate and clean energy outreach
- Cross agency coordination and stakeholder funding and technical support - Infrastructure Law and Inflation Reduction Act
- Lead on grant program







# Team



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Director



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Engagement  
Coordinator



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CPRG Technical  
Coordinator and  
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Lead-by-Example  
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Climate and Clean  
Energy Initiatives  
Coordinator




# Clean Energy and Climate Action Policy & Planning



OFFICE OF THE GOVERNOR

Executive Order 38:  
Relating to Clean  
Energy

Aug 2019




OFFICE OF THE GOVERNOR


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

Oct 2019

GOVERNOR'S TASK FORCE ON  
CLIMATE CHANGE REPORT




PUBLISHED BY THE STATE OF WISCONSIN, DECEMBER 2020.




Dec 2020

STATE OF WISCONSIN  
CLEAN ENERGY PLAN



Prepared by the Wisconsin Office of Sustainability and Clean Energy, Great Plains Institute, and Slipstream, Inc.

April 2022  
Version 1.0



Apr 2022



OFFICE OF THE GOVERNOR

Executive Order 161:  
Office of  
Environmental  
Justice

Apr 2022

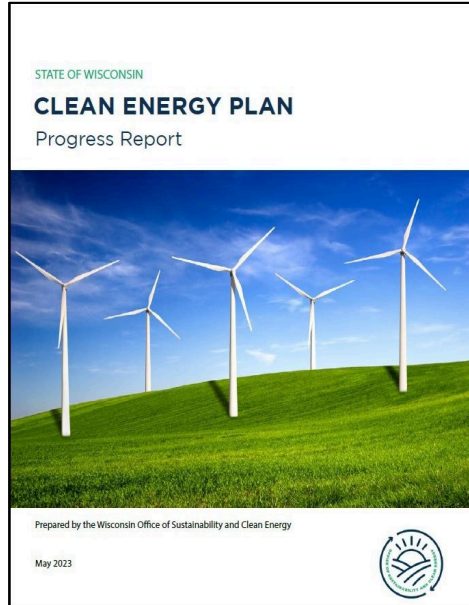




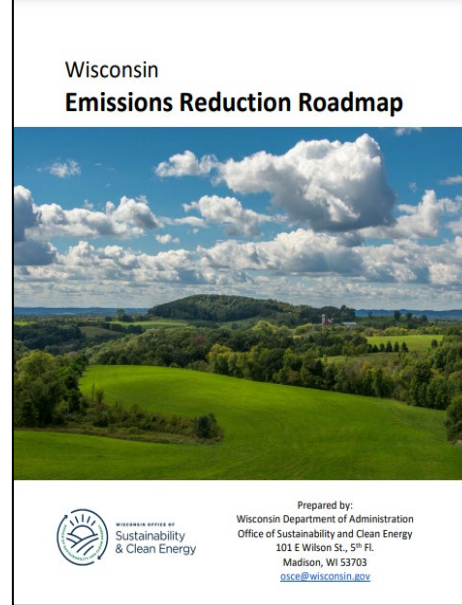
# Clean Energy and Climate Action Policy & Planning



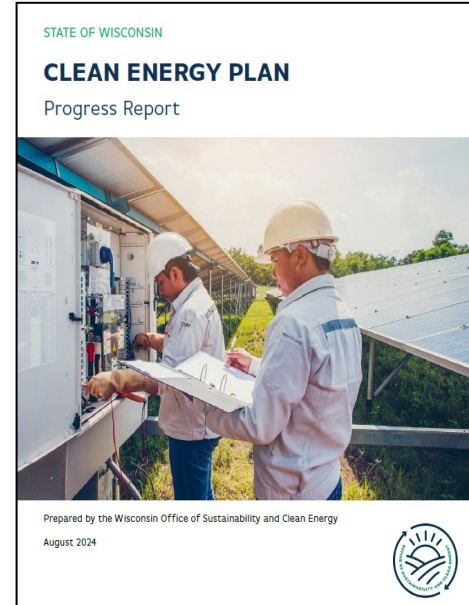
Apr 2023



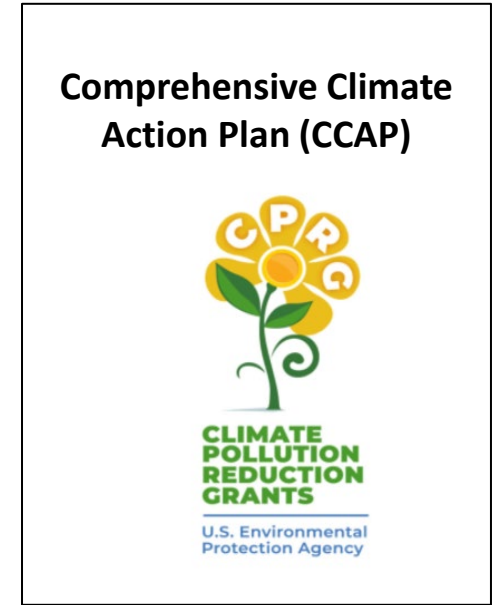
May 2023



Mar 2024



Aug 2024



Dec 2025



# Wisconsin's Clean Energy Plan

STATE OF WISCONSIN  
**CLEAN ENERGY PLAN**



Prepared by the Wisconsin Office of Sustainability and Clean Energy, Great Plains Institute, and  
Sipresem, Inc.

April 2022  
Version 1.0



ESTADO DE WISCONSIN  
**PLAN DE ENERGÍA LIMPIA**



Preparado por la Oficina de Sostenibilidad y Energía Limpia de Wisconsin con ayuda de Sipresem, Inc. y el  
Great Plains Institute

abril 2022  
Versión 1.0 - Continuado



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Xob Huv xoo muaj boj pob los ntaam Sipresem, Inc., Phaj Lub Tawj Hooj Lam Great Plains

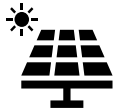
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Multi-sector deep decarbonization and a transition to a robust clean energy economy that prioritizes environmental justice ensures a diverse workforce and technology innovation.

# Wisconsin's Clean Energy Plan

## Core Values: Justice, Equity, and Collective Action



**Accelerate clean energy technology deployment**



**Maximize energy efficiency**



**Modernize buildings and industry**



**Innovate transportation**

Prioritize health equity, environmental justice, and equitable economic development

Fast-track workforce development and a just transition

Accelerate government-led efforts (Lead-by-Example)



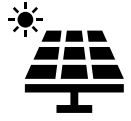




# 2024 Progress Report Highlights





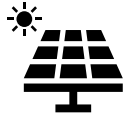


# Accelerate Clean Energy Technology Deployment

## Financial Support

- OSCE received a \$3 million [climate action planning](#) grant through the US EPA Climate Pollution Reduction Grant (CPRG)
- Public Service Commission of [WI Office of Energy Innovation](#) (OEI):
  - [Energy Innovation Grant Program](#) - \$7.88M for 28 energy planning and implementation projects
  - Development of new [federally funded programs](#)- nearly \$200 million will be made available
- [Wisconsin Economic Development Corp](#) (WEDC)
  - Lead on the establishment of the state's first [Green Innovation Fund](#)
  - Awarded \$62.4 million for the [Solar for All program](#) – funds for solar systems for low- and moderate-income households



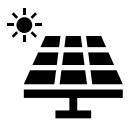


# Accelerate Clean Energy Technology Deployment

## Microgrid/Minigrid

- [Resilience and Prosperity in Rural Northern Wisconsin](#) - deploy microgrids in the state's northernmost part.
  - WEDC's Office of Rural Prosperity, the Red Cliff Band of Lake Superior Chippewa, Bayfield County, Cheq Bay Renewables, MuGrid Analytics, and Slipstream, Inc.
- [Bad River Tribal Nation Mashkiiziibii Minigrid](#) - deploy a hybrid minigrid to build energy resilience in communities that often face extreme weather events and power outages along the shores of Lake Superior





# Accelerate Clean Energy Technology Deployment

## Regulatory

- Public Service Commission of Wisconsin:
  - Interconnection rulemaking and the [updated interconnection standards](#) rule (PSC 119) went into effect on May 1, 2024
  - Action to create consistency in [utility net metering and parallel generation](#)
- Department of Natural Resources - Continued focus on [maximizing the co-benefits](#) and financial value of agriculture clean energy project policies



# CLEAN ENERGY SUCCESS STORIES: REAPING CLEAN ENERGY SOLUTIONS FOR RURAL WISCONSIN



Solar near the Carlson Farm Maintenance Building  
Photo Credit: Brett Carlson



Carlson Family, Left to right: Scott, Nick, Sara, Brett  
Photo Credit: Brett Carlson





## Maximize Energy Efficiency

- First in nation to launch [HOMES program](#) - one of two programs making up the Federal Home Energy Rebate programs
- [Focus on Energy's](#)® successful partnership with Wisconsin's utilities continues to reduce energy waste, strengthen our economy, and make progress toward a sustainable energy future
- OEI support for improving [efficiency in the agriculture sector](#) for the deployment of technologies that utilize high-carbon fuels, focusing on heaters, grain dryers, and other high-efficiency equipment



CLEAN ENERGY  
SUCCESS STORIES:

BUILDING AN  
ENERGY-EFFICIENT  
FUTURE WITH  
OPERATION FRESH  
START'S BUILD  
ACADEMY

**Build Academy  
crew working on a  
new home  
construction**

Photo Credit: Operation  
Fresh Start





## Modernize Buildings and Industry

- [Department of Safety and Professional Services - Wisconsin Advisory Council on Building Sustainability](#) - a resource for the rulemaking projects, which will first focus on the residential building code in 2024 and develop proposals to present to the Uniform Dwelling Code Council for their consideration for rulemaking
- WEDC granted \$250,000 to [UW-Milwaukee Industrial Assessment Center \(IAC\)](#) to offer free energy, productivity, and waste assessments to Wisconsin's small and medium-sized industrial facilities



## Innovate Transportation

- Wisconsin Acts 121 and 122 - Wisconsin Department of Transportation (WisDOT) to receive and administer approximately [\\$78 million in federal funds](#) to deploy electric vehicle charging equipment
- Participating in the [Heartland Hydrogen Hub](#) and the [Midwest Hydrogen Hub](#)
- WisDOT is leading [Wisconsin's Carbon Reduction Strategy](#) (CRS) to provide a critical pathway for reducing transportation carbon emissions
- [US EPA Clean School Bus Program](#) – WI selectees include 22 -school districts covering 86 vehicles, primarily EVs, for just over \$22.8 million





## Health Equity, Environmental Justice & Equitable Economic Development



- Department of Administration hired a director for the state's first-ever [Office of Environmental Justice](#)
- OSCE launched the Wisconsin Climate Action Navigators (WI CAN) Initiative
  - Ensure the equitable distribution of federal funds and help connect OSCE with communities statewide in developing the Wisconsin Comprehensive Climate Action Plan (CCAP)
  - **[Get Involved](#), we welcome your participation !!**







## Fast Track Workforce Development & Just Transition

- **Governor Evers declared 2024 the Year of the Worker, highlighting the role the clean energy economy will have in creating workforce opportunities.**
- OSCE & Department of Workforce Development (DWD) implementing a clean energy workforce inventory
- Ingeteam partnered with its union, the International Brotherhood of Electrical Workers Local 2150, to design its first-ever wind generator assembly apprenticeship
- Clean energy programs are eligible to apply for the DWD Wisconsin Fast Forward funding under the Industry Sectors Worker Training Grants program
- DWD continues to provide support to communities and workers who will experience power generation plant closures.





## Accelerate Government Led Efforts (Lead-By-Example)

Governor Evers joined the US Climate Alliance's Executive Committee, the first governor in the Midwest to join their leadership since the Alliance's inception in 2017.

### State Agencies and Universities

- OSCE launched the LBE Technical Advisory Team, made up of 66 participants across 22 state agencies
- Department of Corrections completed a project at the Green Bay Correctional Institution in Allouez, WI, which resulted in a 178,980 kWh electrical use savings
- DNR acquired six new electric vehicles and 24 new gas-electric hybrid vehicles
- UW-Stout installed photovoltaic solar arrays totals totaling 400 kilowatts on the rooftops of the General Services Building and Jarvis Hall Tech Wing





# Accelerate Government Led Efforts (Lead-By-Example)

## Tribal Nations

- Oneida Nation launched a Tribal Residential Energy Program to encourage Tribal homeowners to install high-efficiency appliances
- Red Cliff Band of Lake Superior Chippewa (Red Cliff), located in the northernmost part of Wisconsin, launched a Tribal Solar Gap Project, to support an Energy Specialist for facilitating projects



Red Cliff Band of Lake Superior Chippewa Early Childhood Care Center.  
Photo Credit: Red Cliff Band of Lake Superior Chippewa





# Accelerate Government Led Efforts (Lead-By-Example)

## Local Governments

- Antigo Public Library installed the first solar array within a 60-mile range
- Dane County became the fourth county in the U.S. and the first county government in the state to be powered by 100 percent renewable energy
- City of Green Bay recently approved a comprehensive Clean Energy Plan
- City of La Crosse was awarded funding to increase energy efficiency for up to 500 homes through complimentary home energy assessments and energy efficiency upgrades

CLEAN ENERGY  
SUCCESS STORIES:  
THE CITY OF MENOMONIE  
ADVANCES  
SUSTAINABILITY GOALS

**The City of Menomonie hosts facility manager meetings, which are for local businesses to gather and learn more about energy efficiency and renewable energy projects.**

Photo Credit: Bill's Distributing in Menomonie







# Next Steps and Resources





# The Work Continues

- Implementing and Measuring the CEP Strategies
  - Extensive stakeholder engagement
  - Measurement and verification
  - Ongoing data collection, synthesis, and analysis
- Constant Engagement:
  - [Public Comment](#)
  - [Get involved with WI CAN and the CCAP](#)
  - [One-on-One Assistance](#)
  - Sign up for our New [Newsletter](#)
- Securing resources - financial and technical assistance
- Advise on the status of Wisconsin's energy generation and use, emissions, affordability, and social factors that may influence the pathways



# FOCUS ON YOUR BUSINESS

- New Construction and Renovations
- Equipment Replacement
- Operations and Maintenance
- Renewables for Business
- Special Offerings
- Prescriptive Rebates



<https://focusonenergy.com/business>

<https://focusonenergy.com/solutions>





- Technical Assistance - Support and resources for planning and implementation
- Energy Innovation Grant Program (EIGP)
- Wisconsin Refueling Readiness (WRR) grant program

<https://psc.wi.gov/Pages/ServiceType/OEI/FederalFunding.aspx>

<https://psc.wi.gov/Pages/ServiceType/OEI/TechnicalAssistance.aspx>





# WISCONSIN

ECONOMIC DEVELOPMENT

I own a

## WISCONSIN BUSINESS

Whether your goal is building or expanding your business in Wisconsin or growth through domestic and international exporting, we can help you make it happen.

[Build Your Small Business >](#)

[Export from Wisconsin >](#)

[Expand in Wisconsin >](#)

- Green Innovation Fund
  - Leverage public and private financing to invest in projects that provide environmental and clean energy solutions to businesses, reduce pollution, lower energy costs for families, and expand access to clean, affordable energy options
- Funding
  - Federal Greenhouse Gas Reduction Fund
  - State Energy Program Clean Energy Loan Capitalization
  - Philanthropic
  - Private Capital

<https://wedc.org/building-communities/green-innovation-fund/>



# Workforce Opportunities



- Inflation Reduction Act/Bipartisan Infrastructure Law
- Solar for All - <https://wedc.org/building-communities/solar-for-all/>
- Home Efficiency Rebates - <https://focusonenergy.com/home-energy-rebates>
- Wisconsin Electric Vehicle Infrastructure Program - <https://wisconsindot.gov/Pages/projects/multimodal/electrification.aspx>



## Have an idea? Interested in specific technology?

Are you saying...

- “I don’t know where to start.”
- “I want to, but I have other priorities.”
- “I’m scared to act in case I’m criticized.”
- And the money topic: “what’s this going to cost and how do I fund this?”



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# Helpful BIL/IRA Resources

## Federal

- BIL Guidebook - <https://www.whitehouse.gov/build/>
- IRA Guidebook - <https://www.whitehouse.gov/cleanenergy/inflation-reduction-act-guidebook/>

## Wisconsin

- WEDC Rural Prosperity - BIL Help Page (includes grant writing resources) <https://ruralwi.com/bipartisan-infrastructure-law/>
- OEI Federal Funding Page - <https://psc.wi.gov/Pages/ServiceType/OEI/FederalFunding.aspx>
- OEI Technical Assistance Page - <https://psc.wi.gov/Pages/ServiceType/OEI/TechnicalAssistance.aspx>
- RENEW Wisconsin - <https://www.renewwisconsin.org/inflation-reduction-act-breakdown/>
- Wins for Wisconsin in the IRA - <https://collaborative.evergreenaction.com/fact-sheets/The-Inflation-Reduction-Act-and-Wisconsin.pdf>
- Dane County Office of Energy & Climate Change - <https://daneclimateaction.org/what-you-can-do/federal-funding>

## Other Resources

- Climate Program Portal - <https://climateprogramportal.org/>
- Rewiring America - <https://www.rewiringamerica.org/>

