



WISCONSIN CLEAN ENERGY AND SUSTAINABILITY

MIDWEST GOVERNORS ASSOCIATION – SMARTLAND SERIES WEBINAR

OCTOBER 10, 2023





Governor Tony Evers

“...We don’t have to choose between mitigating climate change and protecting our environment and affordable energy and economic development. Wisconsin is ready for bold and urgent solutions that will stop treating these goals as mutually exclusive—we can and will do both. Together, we can deliver on our promise to leave our kids with a better life and a better world than the one we inherited by building a sustainable state and economy for the future.”

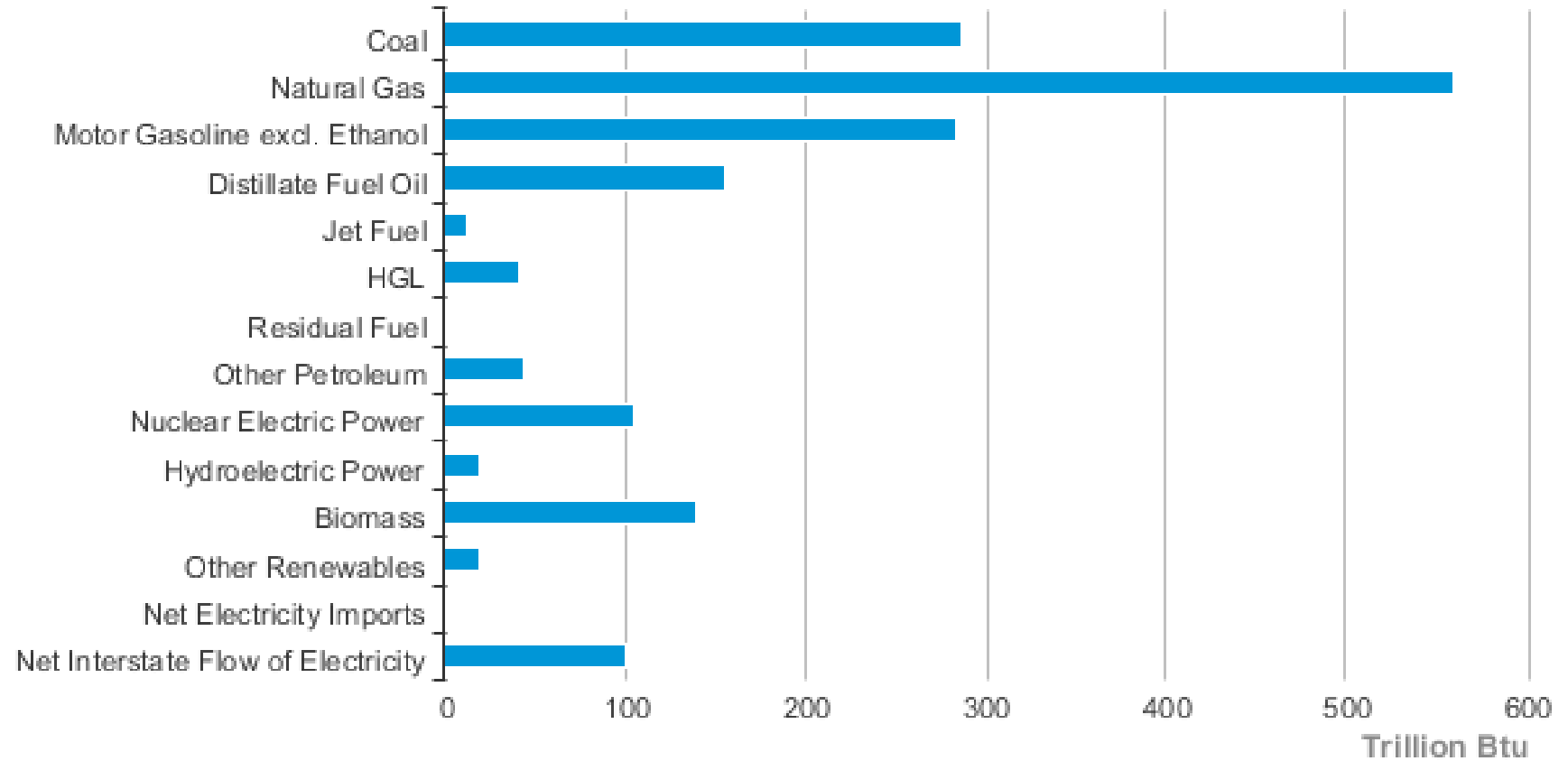


WISCONSIN OFFICE OF SUSTAINABILITY AND CLEAN ENERGY

- Serves as a clearinghouse for all energy activities in the state
- Serves as a hub and spoke to elevate the work of the state agencies and partners
- Work closely with all agency staff, communities, stakeholders and citizens to reach common goals
- Leading state entity working to implement the strategies of the Clean Energy Plan



Wisconsin Energy Consumption Estimates, 2021



Source: Energy Information Administration, State Energy Data System



EXECUTIVE ORDER #38

- 100% carbon-free electricity consumed by 2050
- Carbon reduction goals of the 2015 Paris Climate Accord
- Clean energy plan
- Clean energy workforce training
- Innovation, research, and business development
- State lead by example

Relating to Clean Energy in Wisconsin

WHEREAS, climate change poses a serious threat to Wisconsin's natural resources, public health, communities, tourism, and economy;



EXECUTIVE ORDER #52

- Develop a strategy to mitigate and adapt to the effects of climate change
- Identify new, cost-effective conservation, sustainability, and efficiency strategies for the state
- Prepare Wisconsin for climate change by incorporating climate adaptation strategies into existing planning

Relating to the Creation of the Governor's Task Force on Climate Change

WHEREAS, climate change is a grave threat to the health, safety, and economic well-being of people and communities throughout the State of Wisconsin;



ENGAGEMENT



PEOPLE

1,000+
listening
session
participants

32
task force
members



PARTICIPATION

95%
counties
participating

513
online public
comments
submitted



INDUSTRIES REPRESENTED ON THE TASK FORCE:

Environmental justice advocates, environmental organizations, corporations, Native Nations, utilities, small businesses, farmers and farm organizations, public health professionals, technical colleges, universities, youth, tourism, labor unions, state legislature, and state agencies.



EVENTS

34
expert
presentations

21
subcommittee
meetings

5
member
meetings

5
virtual
listening
sessions



CLIMATE SOLUTIONS

9

Sectors:

Climate justice, energy, transportation, agriculture, resilient systems, clean economy, education, food systems, forestry

3

Policy Pathways:

Agency actions, budget, legislation



Tier 2: Nine Policy Options

Drew both support and concern from task force members, reflection of the diversity of perspective and worldview of the members

GOVERNOR'S TASK FORCE ON CLIMATE CHANGE REPORT



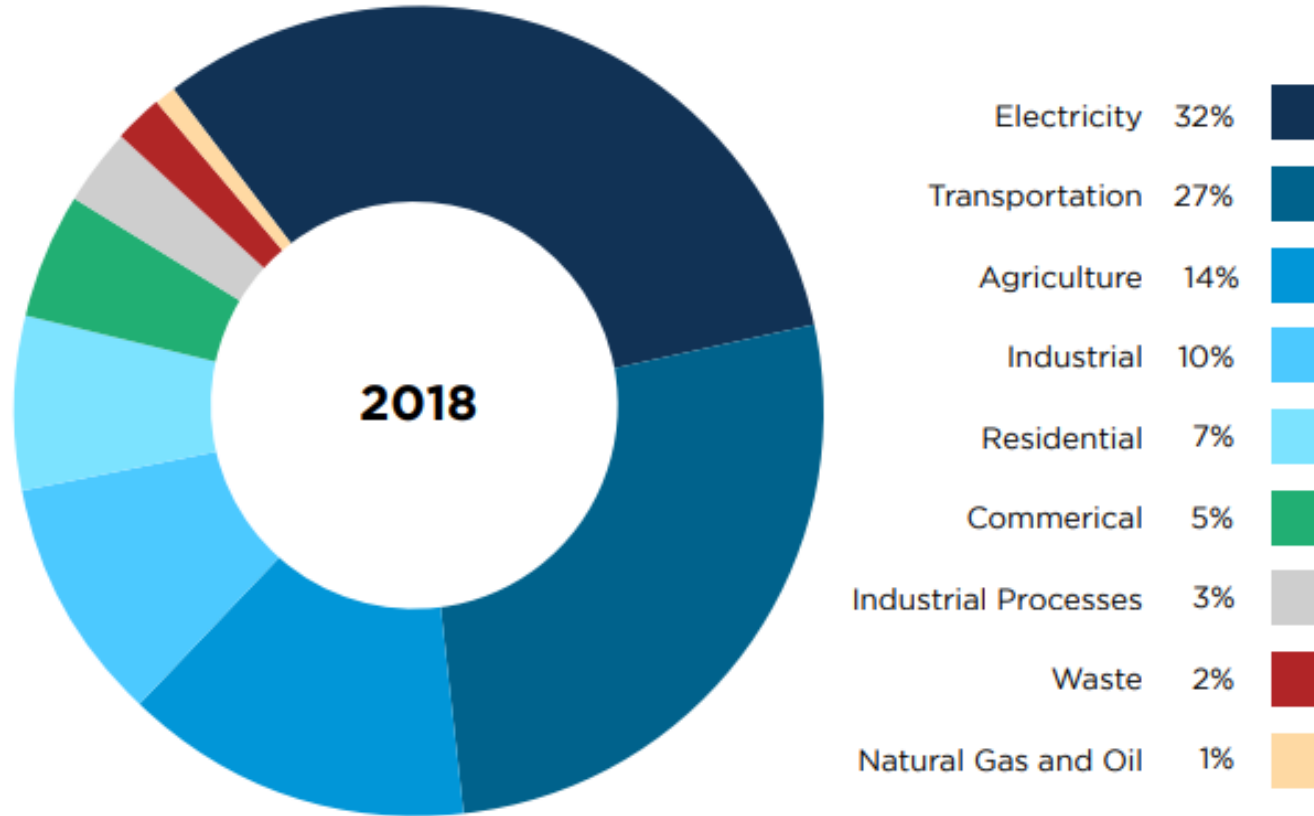
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climatechange.wi.gov

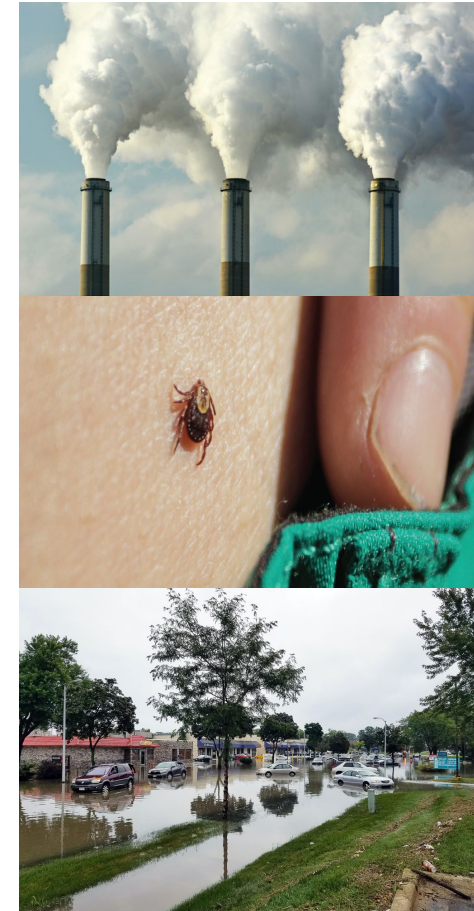


WI GREENHOUSE GAS EMISSIONS



COST OF INACTION

- Climate Impacts – extreme weather events, extreme heat, resilience
- Health Impacts – especially communities disproportionately impacted by climate change
- Energy Spending - deficit of greater than \$14.4B
 - Net Energy Importer
 - No substantial in-state fossil fuel resources, coupled with a strong reliance on fossil fuel
- Workforce - Missed opportunities for many more, good-paying jobs



WISCONSIN'S CLEAN ENERGY PLAN

Values: **Justice, Equity, and Collective Action**

- Accelerate clean energy technology deployment
- Maximize energy efficiency
- Modernize buildings and industry
- Innovate transportation

STATE OF WISCONSIN
CLEAN ENERGY PLAN



Prepared by the Wisconsin Office of Sustainability and Clean Energy, Great Plains Institute, and
Stantec, Inc.
April 2022
Version 1.0



ESTADO DE WISCONSIN
PLAN DE ENERGÍA LIMPIA



Prepared by the Wisconsin Office of Sustainability and Clean Energy, Great Plains Institute, and
Stantec, Inc.
April 2022
Versión 1.0 - Corregida



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TXOG LUB ZOG HLUAV TAWS XOB HUV
XYOO 2022



Prepared by the Wisconsin Office of Sustainability and Clean Energy, Great Plains Institute, and
Stantec, Inc.
April 2022
Version 1.0 - Sửa đổi



- *Prioritize healthy equity, environmental justice & equitable economic development*
- *Fast-track workforce development & just transition*
- *Accelerate government led efforts (lead-by-example)*



STRATEGY HIGHLIGHTS

- Launch an Equity First Program
- Launch a systematic approach to clean energy workforce development, employ WI workers and businesses
- Increase public/private sector investment in the deployment of clean energy in WI
- Strengthen energy efficiency standards and goals - Focus on Energy
- Fast-track opportunities in buildings & industry - Building Codes
- Accelerate electric vehicle adoption
- Accelerate government-led efforts



COMMITMENT TO THE PROCESS

Process:

- Release, Review, React
- Living document and process
- Work Plan for Implementation
- Measurement and Verification
- Make Room for adjustments
- Meetings, Online Comments



Resources & Action:

- Community/Business/Local Engagement and Action
- Agency/Executive Action - Advisory Councils, Establishment of Office of Environmental Justice, Public Service Commission Roadmap to Zero Docket
- Alignment with Federal Action – Bipartisan Infrastructure Law, Inflation Reduction Act
- Next legislative session
- Biennial Budget



Progress Report



ACCELERATE CLEAN ENERGY TECHNOLOGY DEPLOYMENT

- Governor's Green Ribbon Commission on Clean Energy and Environmental Innovation Executive Order #195 (WEDC/DOA)
- \$10 million in funding from the Energy Innovation Grant Program (PSCW)
- \$1 million for Critical Infrastructure Microgrid and Community Resilience Center Pilot Grant Program (PSCW)
- 488 megawatts (MW) of utility scale lithium-ion battery storage and is reviewing another 617 MW of similar battery storage, all of which are associated with solar (PSCW)
- Interconnection Rulemaking



ACCELERATE CLEAN ENERGY TECHNOLOGY DEPLOYMENT

- Roadmap to Zero-Carbon – Performance Based Regulation
- Front-of-the-meter Utilization of Zinc bromide Energy Storage (FUZES)/Columbia Energy Storage Project
- Multi-family solar and heat pump program (PSCW/DOA)
- Wisconsin utilities project emissions reductions from electricity generation of 58 percent by 2028.
- Improving local and regional transmission planning and communication – “No transition without transmission”



MAXIMIZE ENERGY EFFICIENCY

- Expand Focus on Energy Program incentives - Quadrennial Planning IV Process addressed a range of issues, including emissions reduction, electrification, and low-income participation (PSCW)
- Maximize opportunities between Inflation Reduction Act (IRA) funding and Weatherization
- Propane offering, focusing on heaters, grain dryers, and energy-efficient equipment (PSCW)



MODERNIZE BUILDING AND INDUSTRY

- Mass Timber Task Force – support Wisconsin wood product utilization and protect Wisconsin forests with Wood Council (DSPA)
- Wisconsin Advisory Council on Building Sustainability (Wis. Stat. § 227.13 and § 440.042(1))
- Invested \$750,000 for manufacturing automation efforts, a critical step to make Wisconsin manufacturing more competitive (WEDC)



INNOVATE TRANSPORTATION

- Wisconsin Electrification Steering Committee (WisDOT, OSCE, DNR, DATCP, PSCW)
- Regional Electric Vehicle (REV) Midwest - multistate partnership between Illinois, Indiana, Michigan, Minnesota, and Wisconsin coordinating work to accelerate medium- and heavy-duty vehicle electrification in the Midwest.
- Lake Michigan Circuit is a multistate collaboration project to build the best new road trip for EV drivers in America - Michigan, Illinois, Indiana, and Wisconsin
- National Electric Vehicle Infrastructure (NEVI) formula program, the federal government will direct \$78.65 million over five years to Wisconsin.



INNOVATE TRANSPORTATION

- Participating in Midwest Clean Fuels Coalition to explore potential Clean Fuels Policy
- Testing tool for consumer protection to ensure charging is fair and accurate (DATCP)
- Midwestern Hydrogen Coalition & Heartland Hydrogen Hub (WEDC, DOA, Gov)
- [Wisconsin's Electric Vehicle/Electrification Supply Chain Strategy Report](#) (WEDC)



COLLECTIVE ACTION AND LEADERSHIP

- **Creation of the Office of Environmental Justice – Executive Order #161**
- **Wisconsin Climate Leadership Forum** launched, which is one of 20 volunteer-led Regional Hubs in 16 states. This group will work to address embodied carbon impacts and solutions in buildings and manufacturing. This is a CEP strategy to reduce emissions via lowering embodied carbon and supporting low-carbon materials procurement. This group is made up of manufacturers, businesses, engineers, and public partners.
- The **Clean Economy Coalition of Wisconsin** launched, comprised of 12 founding members including those representing health, conservation, renewable energy, environmental justice, and workforce. The CECW will work closely with the State and advocate for clean energy and climate policies that accelerate economic development, increase Wisconsin's energy independence, and achieve carbon-free electricity by 2050.
- The **Wisconsin Environmental Justice and Infrastructure Initiative** launched, which serves as a cross-disciplinary group that aims to provide greater access to networks, leadership, and resources that support the mission of equitable infrastructure investment, in a wide range of Environmental Justice situations, involving the rights of individuals, especially Wisconsin communities of color.



LEAD-BY-EXAMPLE

- GFTCC Recommendation #11 – State Lead by Example
- Clean Energy Plan– Government Led Efforts (State, Local and Tribal)
- Governmental Bodies can be leaders in efforts to reduce emissions, conserve energy, and transition to new technologies.
- **“Lead-by-Example” (LBE):** where government entities analyze and transition their facilities and fleets to realize substantial cost savings, reduce greenhouse gas emissions (GHG), improve energy supply, build resilience, and procure more sustainable products.
- Engage in regional and national LBE efforts to build off lessons learn and implement best practices





PROCUREMENT



FLEET



ENERGY USE



ENVIRONMENTAL
JUSTICE



WASTE



WATER



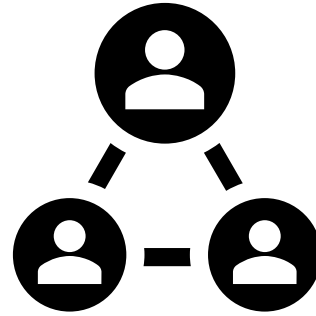
GREENHOUSE
GAS EMISSIONS

LEAD-BY- EXAMPLE SEVEN “DIMENSIONS”





- Action items will be given with each new topic to help frame the work needed
- Surveys to complete
- Data-driven decision making



- Looking for those organizations/teams that have found success to share their processes
- Case studies
- Leveraging existing networks
- Teams Site will be primary location for resources, sharing, collaboration



- Working with existing employee engagement groups to catalyze efforts
- Creating subgroups/working groups where needed
- Recognizing that we're all in this together!



FEDERAL FUNDING/INCENTIVES

- Governor's Office Central to Coordination
- Collaborative work across the enterprise
- US DOE - Energy Improvements in Rural Areas (OSCE, WEDC, PSCW Tribal Nations)
- US EPA - Climate Pollution Reduction Grant (OSCE lead, with most agencies contributing)
- USDOE – Energy Efficiency Grants and Rebates, Grid Resilience, State Energy Program, Energy Auditor Training, Energy Efficiency Block Grant (PSCW)
- Creating a process for agencies to take advantage of direct pay provisions to support their energy efficiency, transportation and renewable energy projects



CONTACT INFORMATION



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