

Public Service Commission of Wisconsin Update

Commissioner Tyler Huebner

Public Service Commission of Wisconsin

October 27, 2021 – Wisc. Academies Local Government Summit

Disclaimers: My remarks reflect my views only, not the views of the full Public Service Commission or other Commissioners. I cannot comment on the merits of any open dockets, item, or topic on which I as a Commissioner will need to vote on a decision.

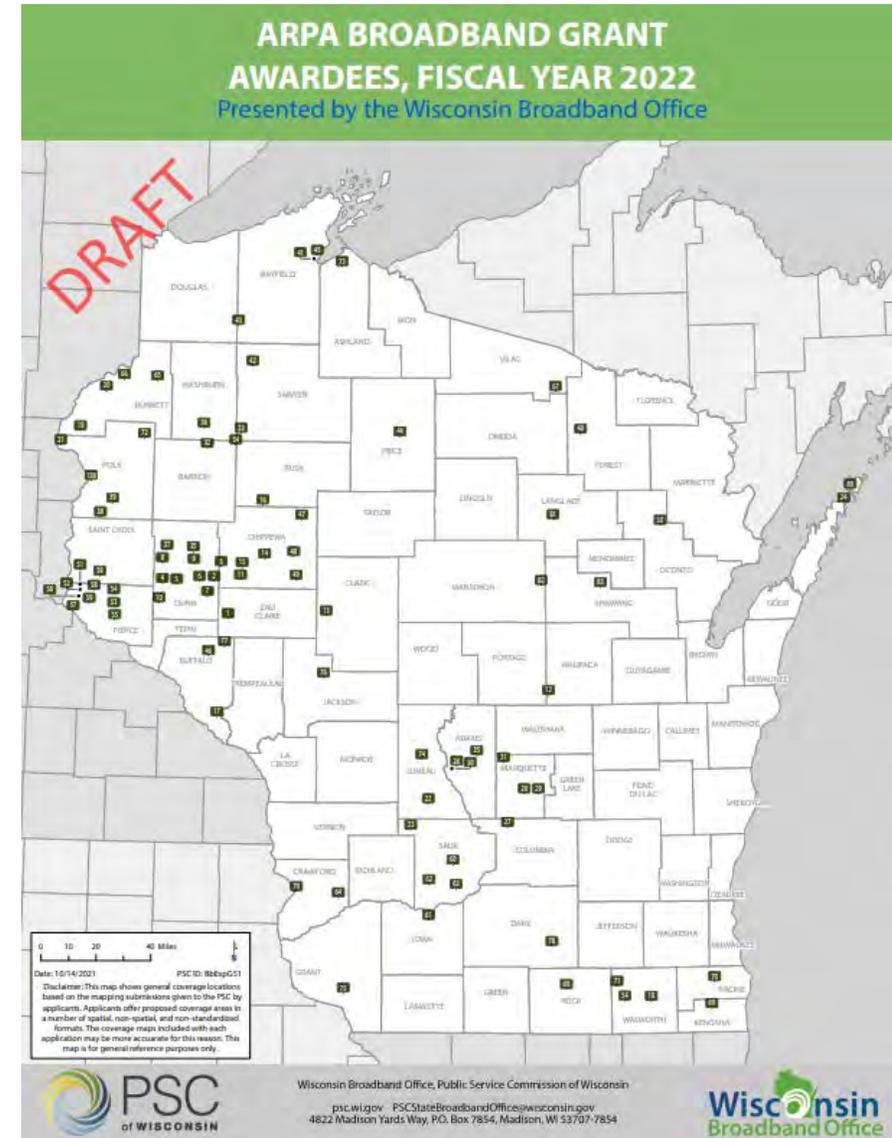
Quick Overview of the PSCW:



- The PSC of Wisconsin ensures safe, reliable, affordable, and environmentally responsible utility services and equitable access to telecommunications and broadband services.
- Regulate over 600 Electric, Gas, and Water Utilities
- Operate Broadband Expansion Grants and State Broadband Office
- Operate Office of Energy Innovation including the State Energy Office and Focus on Energy

Broadband: Recent & Upcoming Activity

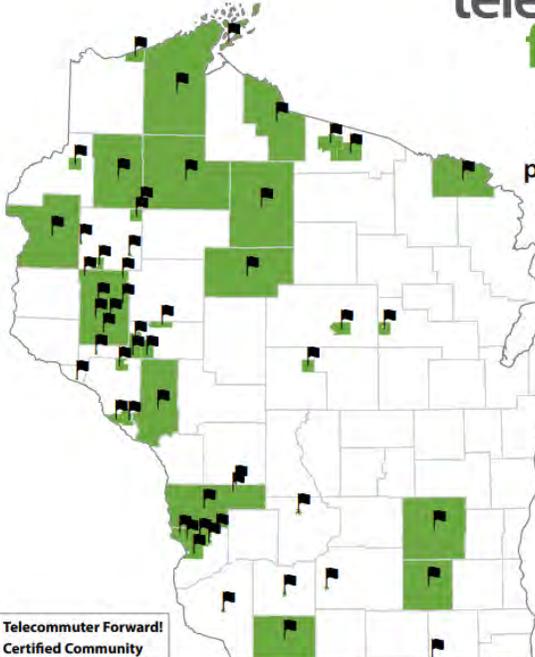
- Oct. 2021: \$100 Million, 83 Grantees
- Spring 2021: \$28.4 Million, 58 Grantees
- Spring 2020: \$24 Million, 72 Grantees
- 2021-23 Biennial Budget Allocation: \$125 million
- *Congress Infrastructure Package (Passed U.S. Senate but not finalized): \$42 billion nationwide, mostly allocated based on need. In addition, billions in affordability & other provisions*



Broadband: Local Certifications

TELECOMMUTER FORWARD! COMMUNITY CERTIFICATION PROGRAM

Presented by the Wisconsin Broadband Office



telecommuter forward!
Community

Support and commit to promote the availability of telecommuting options

Coordination and Partnership Between:

- ✓ Wisconsin Broadband Office
- ✓ Broadband providers
- ✓ Realtors
- ✓ Economic development professionals
- ✓ Employers + employees
- ✓ Other telecommuting stakeholders

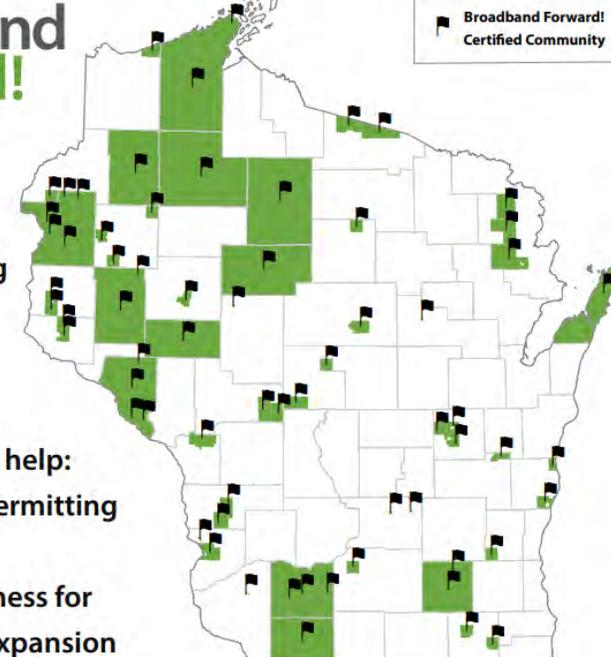
Telecommuter Forward!
Certified Community

CERTIFY YOUR COMMUNITY

TO GET STARTED VISIT:
<https://psc.wi.gov/Pages/Programs/TelecommuterForward.aspx>

BROADBAND FORWARD! COMMUNITY CERTIFICATION PROGRAM

Presented by the Wisconsin Broadband Office



broadband forward!
Community

Take the first steps in reducing obstacles to broadband investment

Certification can help:

- ✓ Streamline permitting process
- ✓ Signal eagerness for broadband expansion

Broadband Forward!
Certified Community

CERTIFY YOUR COMMUNITY

TO GET STARTED VISIT:
<https://psc.wi.gov/Pages/Programs/BroadbandForward.aspx>

11 CPCNs approved, 1850 megawatts

Including CAs, 2100 megawatts

At stated capacity factors, this is about 6.5%
of Wisconsin's 2020 retail electric sales

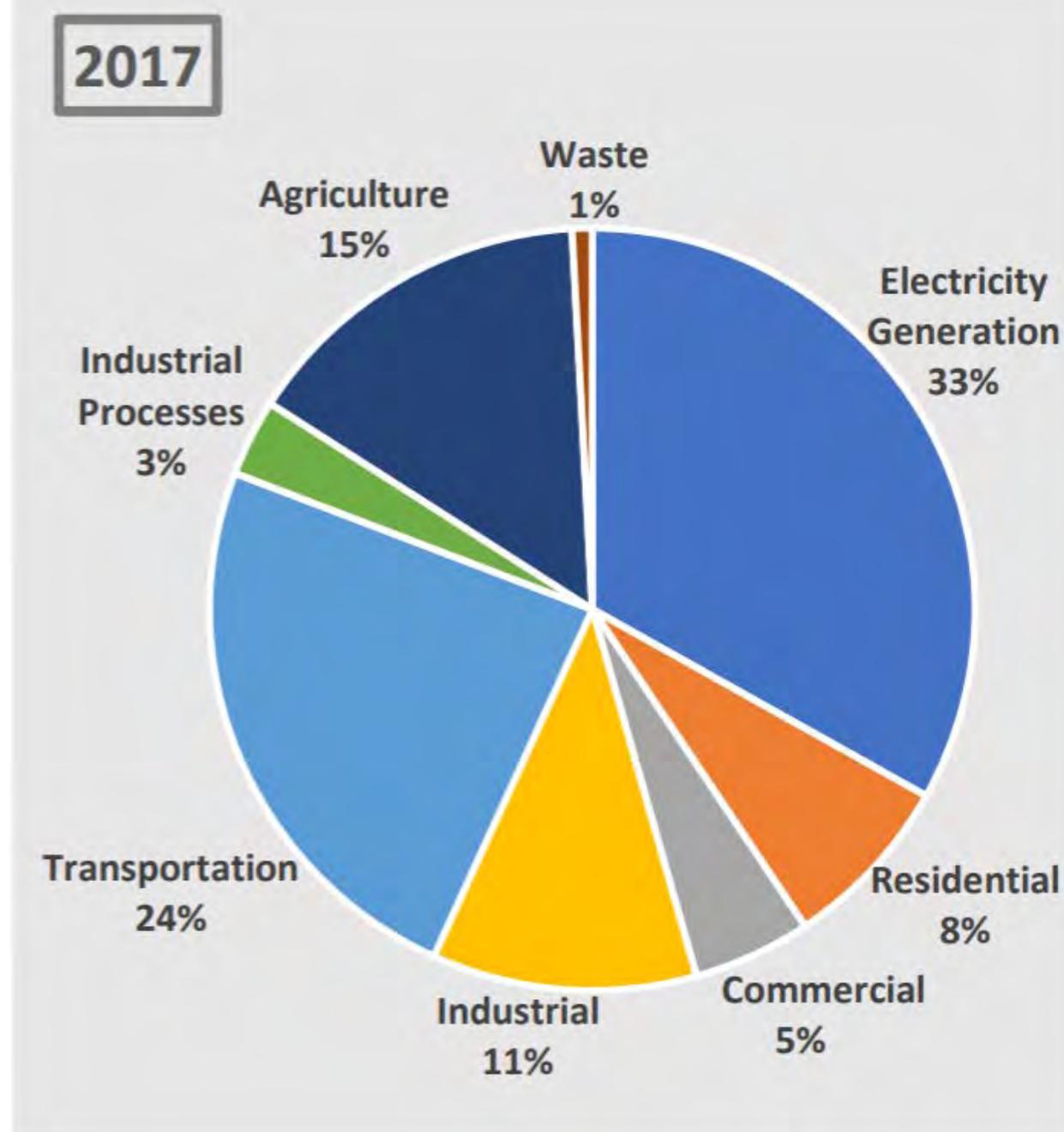
The Commission's investigation will evaluate a wide range of topics, including but not limited to:

1. Wisconsin electric utilities' publicly announced goals to reduce carbon dioxide emissions, including the goals established by the state's five largest electric utilities to reduce their carbon dioxide emissions 100 percent by 2050.
2. Recommendations from the Wisconsin Energy Distribution and Technology Initiative (WEDTI) on opportunities to accelerate the clean energy transition and optimize the benefits of the transition for all customers.¹
3. Recommendations from the Governor's Task Force on Climate Change.²
4. Clean energy plan recommendations developed through Executive Order 38, which directs utilities and state agencies to work in partnership towards a goal of achieving 100 percent carbon-free electricity consumption in the state by 2050.

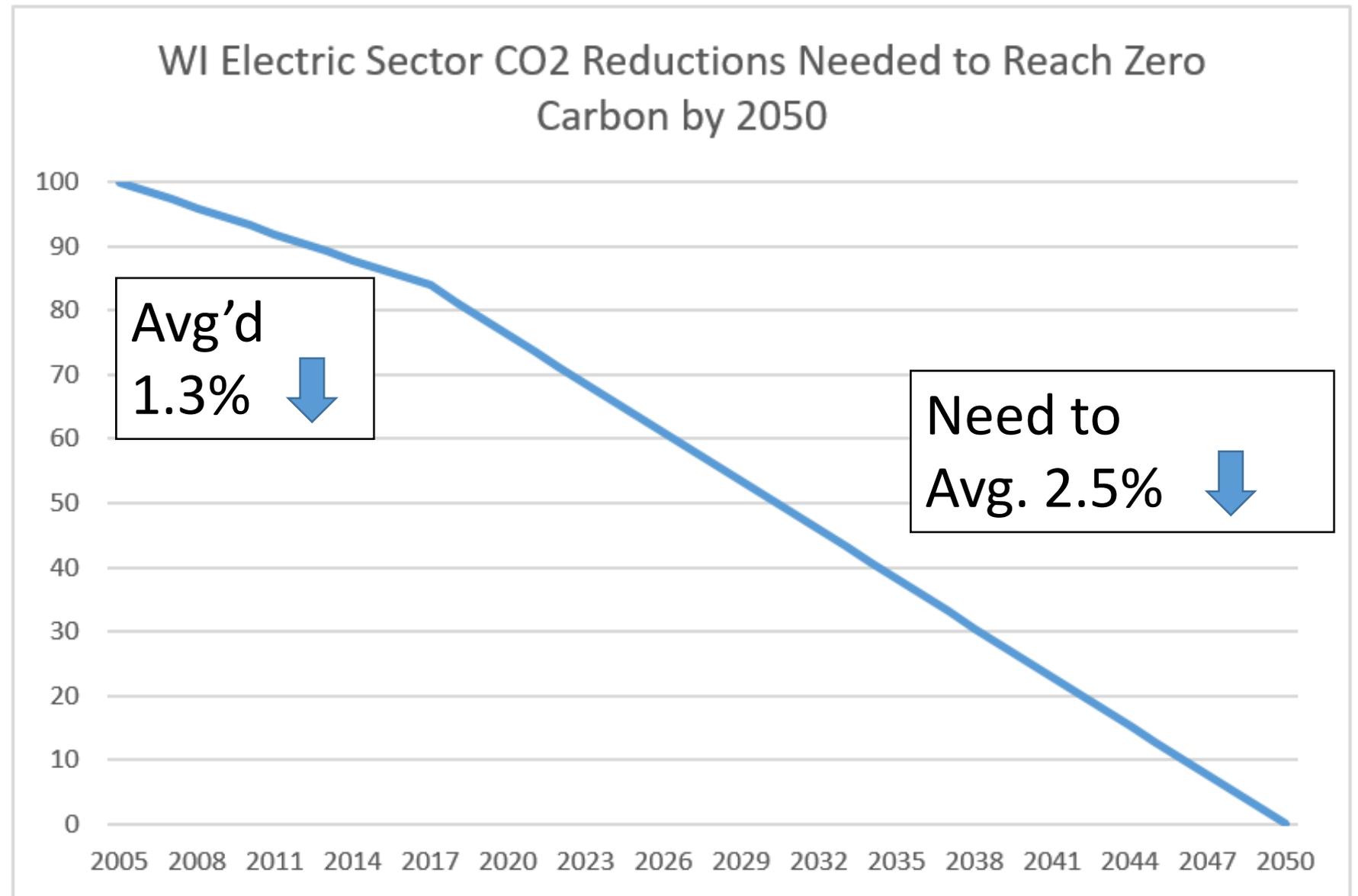
This investigation will help the Commission gather information needed to develop a roadmap to achieving zero carbon electricity that analyzes the full range of considerations and identify approaches to achieve the economic and environmental benefits the transition can provide, while maintaining adequate electric supply, reliability, and affordability for all customers.

Carbon Emissions in WI circa 2017

*WI DNR
Greenhouse Gas
Inventory
Report (2020)*



*WI Electric
Generation
CO₂ emissions
decreased
16.1%
from
2005 to 2017*



2005-2017 Data from WI DNR Greenhouse Gas Inventory (2020)

5-EI-157: Investigation of Parallel Generation Purchase Rates

1-AC-256: Interconnection Rules for Distributed Generation Facilities

5-EI-156: Investigation of Electric Vehicle Policy and Regulation

Utility Pilot Programs Recently Approved:

- 4220-TE-104: Northern States Power / Xcel
Residential and C&I Electric Vehicle Pilots
- 6630-TE-106: We Energies EV Pilots
- 6690-TE-111: Wisconsin Public Service EV Pilots

- Energy Innovation Grant Program (EIGP)
- Critical Infrastructure and Community Resilience Center Microgrid Feasibility Grant
- Energy Statistics (Coming Online)
- Wisconsin Biogas Survey 2021 – Brand New
- and More

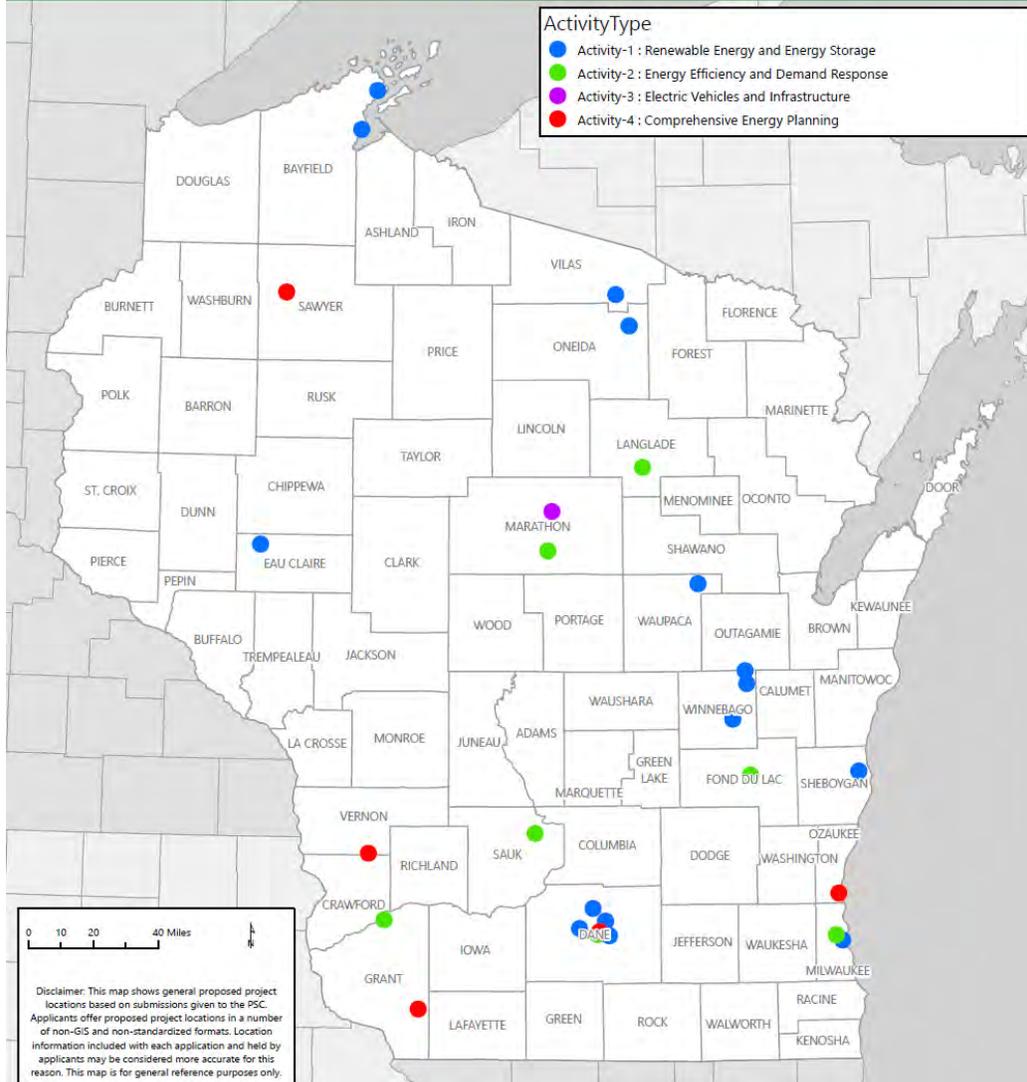


Office of Energy Innovation Programs



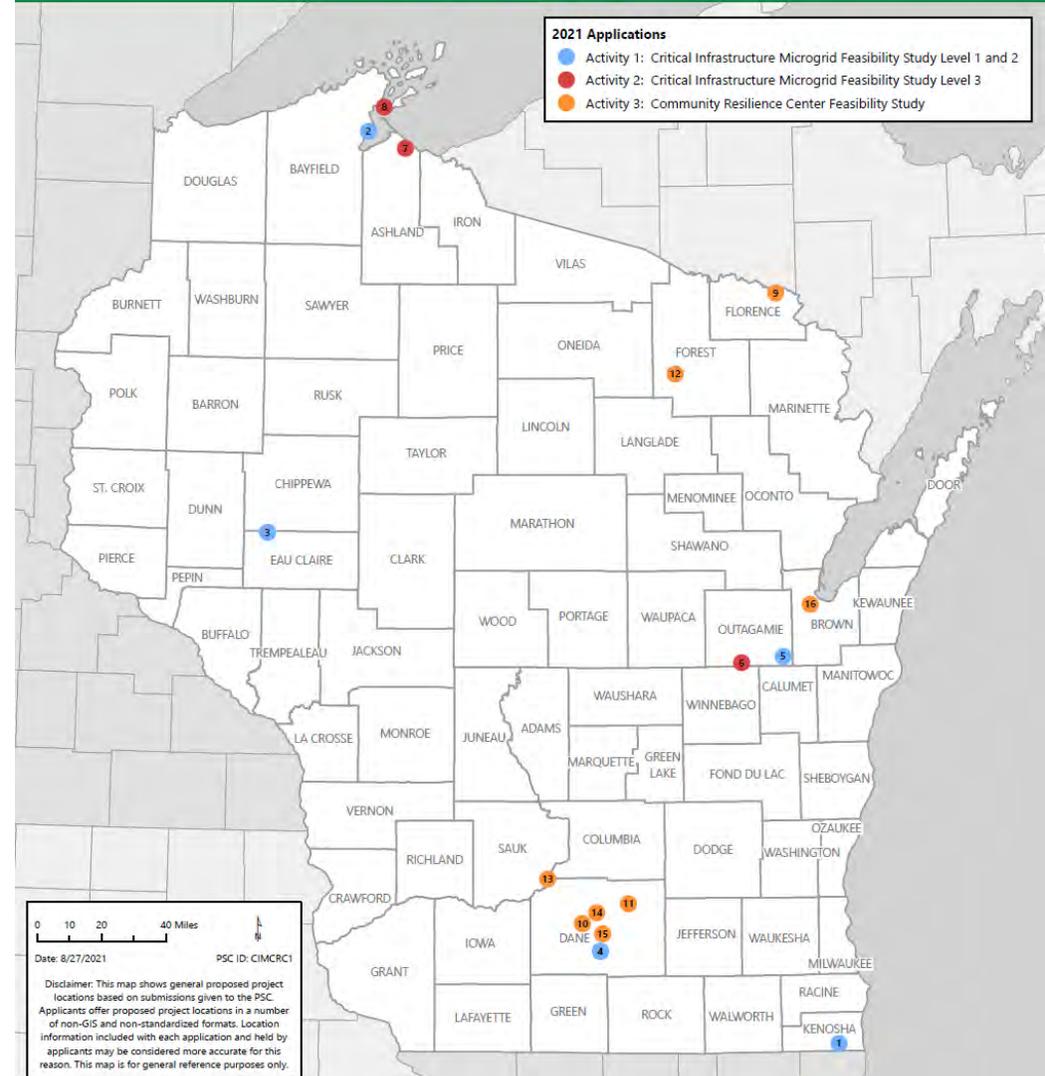
ENERGY INNOVATION GRANT PROGRAM, 2020

Presented by the Office of Energy Innovation



CRITICAL INFRASTRUCTURE MICROGRID COMMUNITY RESILIENCE CENTER APPLICATIONS

Presented by the Office of Energy Innovation



Wisconsin's Refueling Readiness Grant Program

Open for Applications, due November 3rd at 4:30 CST.

Link to [Application Instructions](#)

Webinar Recording: [Link](#)

Energy Innovation Grant Program 2021-22

Open for Applications, due January 14, 2022 at 4:30 CST

Link to [Application Instructions](#)

Webinar will be held Wednesday November 10th 1-2:30pm – [Link to register](#)

Eligible Activities Include

Activity 1: Renewable Energy and Energy Storage

Activity 2: Energy Efficiency and Demand Response

Activity 3: Comprehensive Energy Planning





Energy Efficiency and Rooftop Solar Potential Studies Recently Completed

- Cost-effective Energy Efficiency savings continue to be available, beyond what Focus on Energy's budget can fund.
- **Would save 13% of total electric and 5% of total natural gas consumption by 2034 vs. no Focus on Energy program.**
- Rooftop Solar PV technical potential is vast. Potential Scenarios estimate 600-850 MW by 2034.

Quadrennial Planning for 2023-2026

- Initial "Scoping Memo" Released 10/26: **Public Comments due Nov. 19!**
- **Additional Comment Opportunities in 2022**
- Goal is PSC Decisions on Policy and Energy Savings Goals in July 2022

FERC (Federal Energy Regulatory Commission) & MISO (Midcontinent Independent System Operator)

- Order 841: Energy Storage Resources
- Order 2222: Distributed Energy Resources
- MISO's Reliability Imperative & Long-Range Transmission Planning
- FERC – NARUC Joint Task Force on Transmission
- FERC Investigation on Regional / Inter-regional Transmission

Congress:

- Infrastructure Legislation. May include:
 - \$73 billion in grid spending, including transmission
 - \$7.5 billion in electric vehicle charging infrastructure (DOT)
 - \$3.5 billion for direct air capture (carbon scrubbing)
 - FERC / Other Transmission Siting Task Force or Authority?

Thank You!

Any Questions?

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