

Public Service Commission of Wisconsin Update

Commissioner Tyler Huebner

Public Service Commission of Wisconsin

February 9, 2022– PSCW Pipeline Safety Event

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 vote on in the future.

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.

PSCW regulates over 600 Electric, Gas, and Water Utilities

Administer Broadband Expansion Grants & State Broadband Office

Administer Office of Energy Innovation including the State Energy Office and Focus on Energy

5-EI-158: Roadmap to Zero Carbon (Electricity)

5-EI-157: Parallel Generation Policy Generic Docket
TE Dockets for 5 individual electric utilities

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

5-EI-156: Electric Vehicle Policy & Regulation
Pilots for MG&E, NSPW/Xcel, WE, WPS, WP&L/Alliant

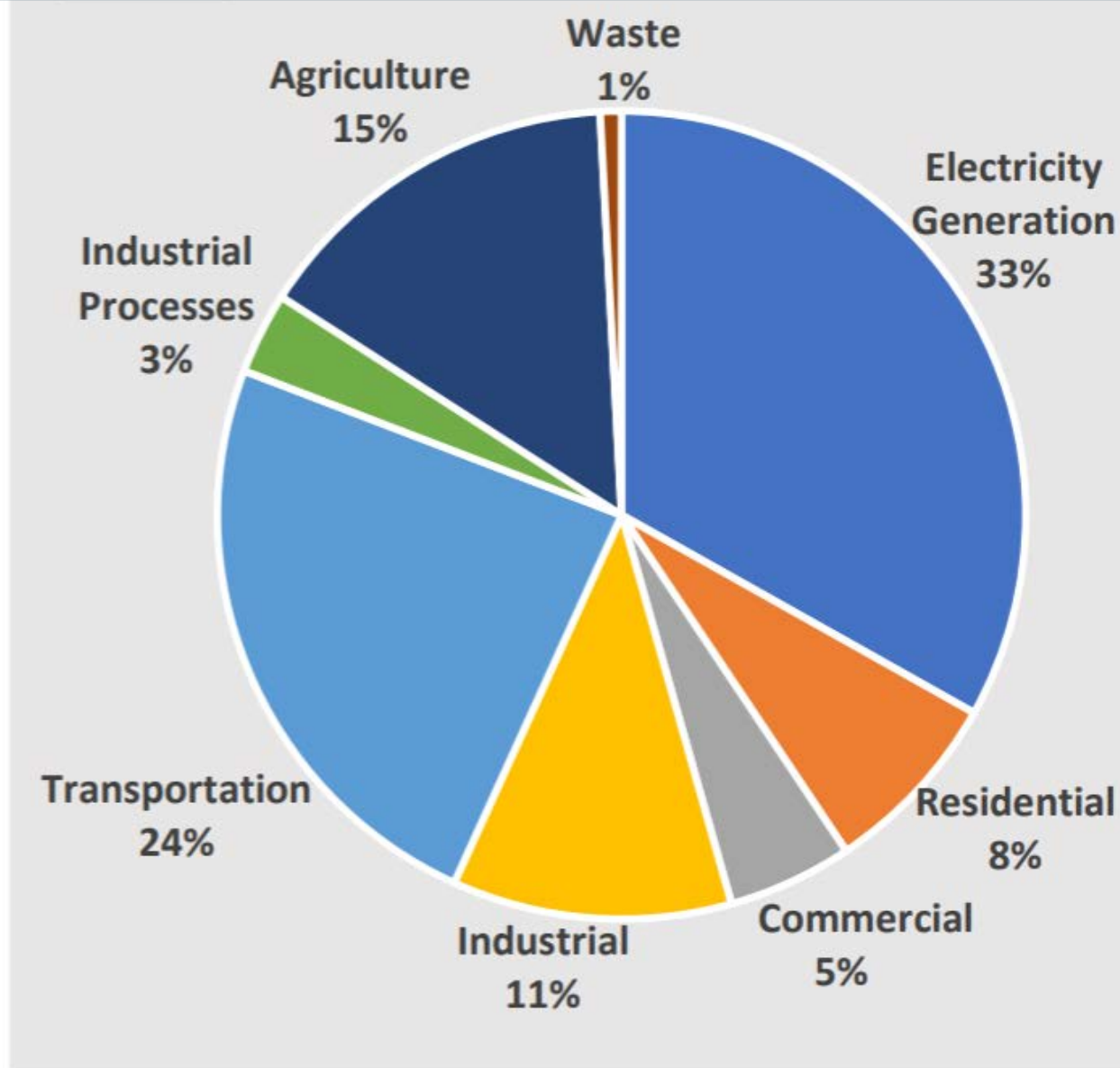
The Commission's investigation will evaluate a wide range of topics, including but not limited to:

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)*

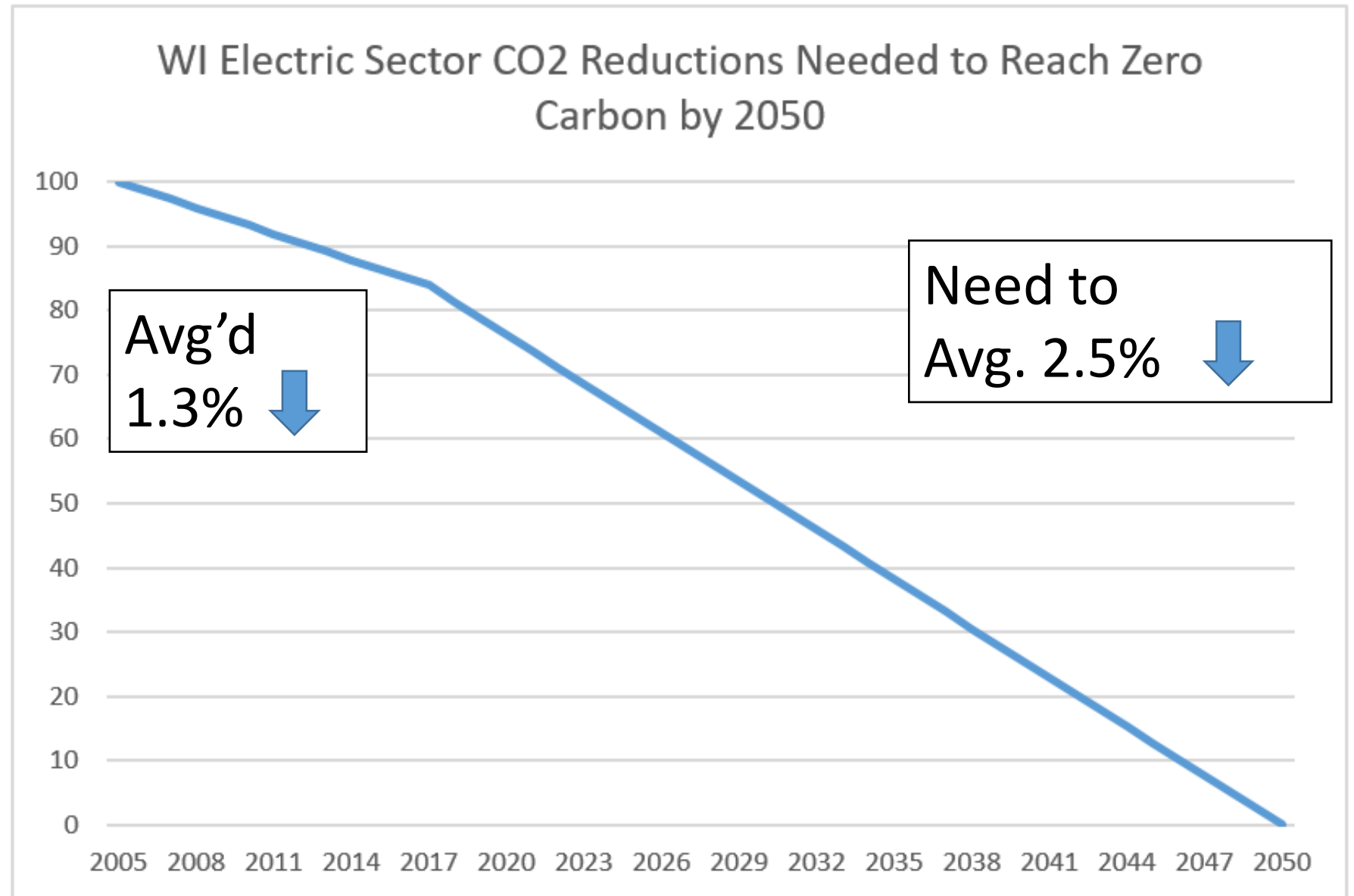


Dockets: 5-EI-158 Roadmap to Zero Carbon



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

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

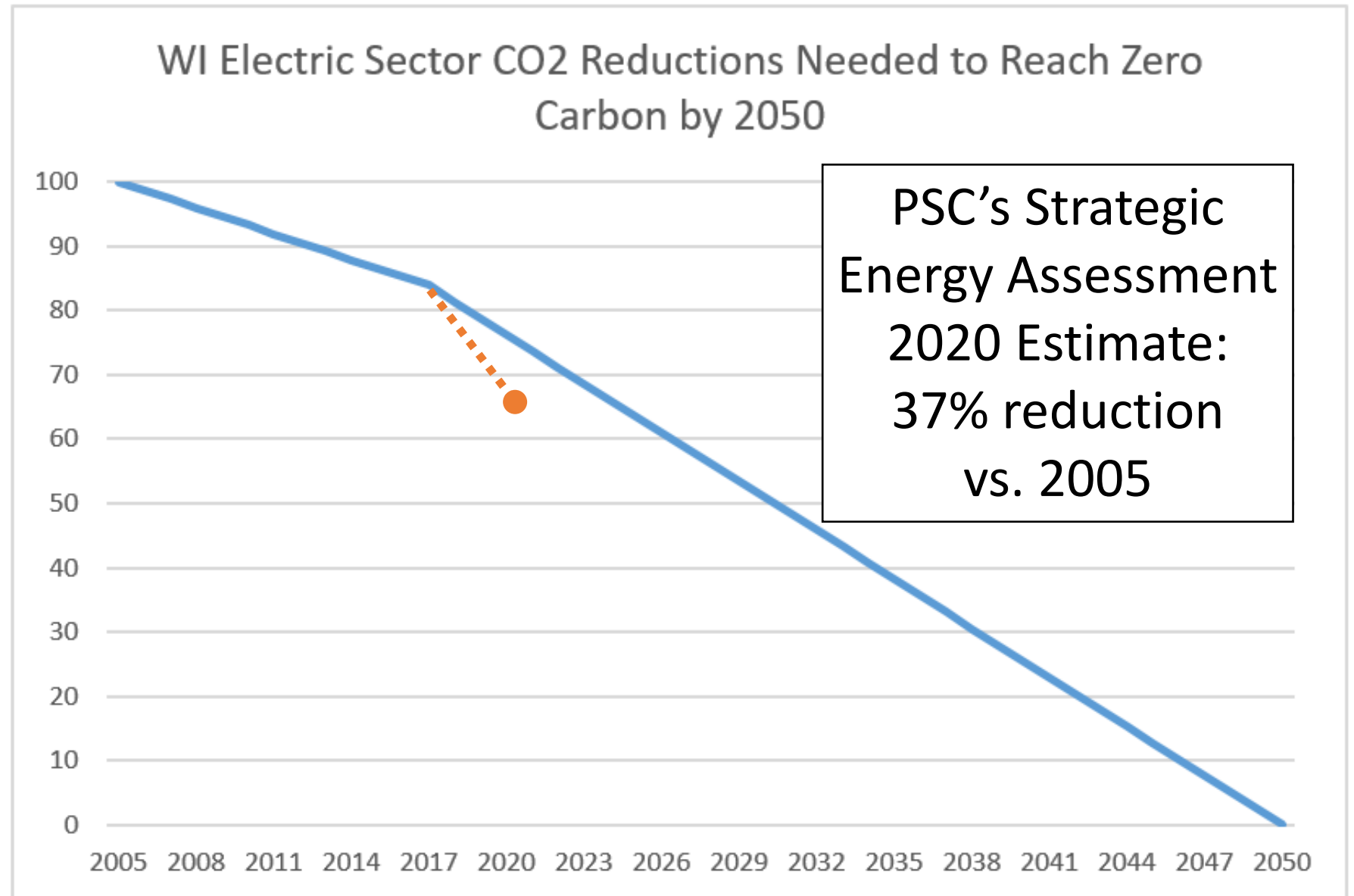


Dockets: 5-EI-158 Roadmap to Zero Carbon



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

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



September 2021 Preliminary Decisions:

- Utility Resource Planning & Strategic Energy Assessment
 - *Gathering additional data & conducting staff analysis*
- Performance Based Regulation
 - *Workshop held January 11, 2022*
- Energy Efficiency
- Customer Affordability

Utility-Scale Solar 2019-2021



Category	Number of Projects	Megawatts
CPCNs (Construction Permits) 100+ MW Projects	11	1,850
Sub-100 MW Projects – Approved IOU Purchases	4	249
Renewable Energy Rider	3	32
Totals	18	2,131

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

- Energy Innovation Grant Program (EIGP)
- Critical Infrastructure and Community Resilience Center
- Microgrid Feasibility Grant
- Wisconsin Biogas Survey 2021
- Energy Assurance & Energy Security
- Wisconsin Inclusive Community Solar Pilot w/ Electric Cooperatives
- Energy Statistics (Coming Online)



Phase in Quad Planning	Proposed Quad IV Topics
Phase I – Macro Policies and Priorities	<ol style="list-style-type: none"> 1. Alignment of Focus performance goals and program offerings with decarbonization goals 2. Electrification programs and offerings 3. Programs and offerings for low-income customers 4. Collaboration between Focus and Utility Demand Response Programs 5. Utility Voluntary Programs
Phase II- Micro Implementation Decisions	<ol style="list-style-type: none"> 1. How should overall energy goals be stated and tracked? 2. Emphasis between Energy and Demand 3. Emphasis between Business and Residential 4. Inclusion of Underserved Rural Areas 5. Resource Acquisition and Market Transformation
Phase II – Cost Effectiveness Decisions	<ol style="list-style-type: none"> 1. Primary and Secondary Cost-Effectiveness Tests 2. Carbon Value 3. Avoided Costs 4. Discount Rate 5. Avoided Transmission & Distribution (T&D) Costs
Phase II- Budget Issues	<ol style="list-style-type: none"> 1. Energy Efficiency 2. Renewables 3. Environmental and Economic Research and Development 4. Other
Phase II - Other	Does the Commission need to approve pilots for behavioral programs?
Phase III	Goals, Targets and Key Performance Indicators

Quadrennial Planning for 2023-2026 (Docket 5-FE-104)

- **Spring: “Phase I” Memo – 2-3 week public comment period**
- **“Phase 2” Memo to follow – will again have a public comment period**
- **Set Goals for 2023-2026 by early fall 2022**

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

- Order 841: **Energy Storage Resources** – Available 2022
- Order 2222: **Distributed Energy Resources** – Expected 2025-26
- MISO's Reliability Imperative
 - **Seasonal Accreditation of Resources:** Switching from “Summer Peak” only to 4 seasonal peaks
 - **Long-Range Transmission Planning**
 - Cost Allocation proposal filed at FERC
 - Project evaluation ongoing, with March – June 2022 key deliverables
- FERC – NARUC Joint Task Force on Transmission
- FERC Investigation on Regional / Inter-regional Transmission
- FERC Ambient Transmission Line Ratings (MISO Implementation)
- FERC increased focus on cybersecurity

Broadband: Recent & Upcoming Activity

Grant Funds Awarded
\$178 Million

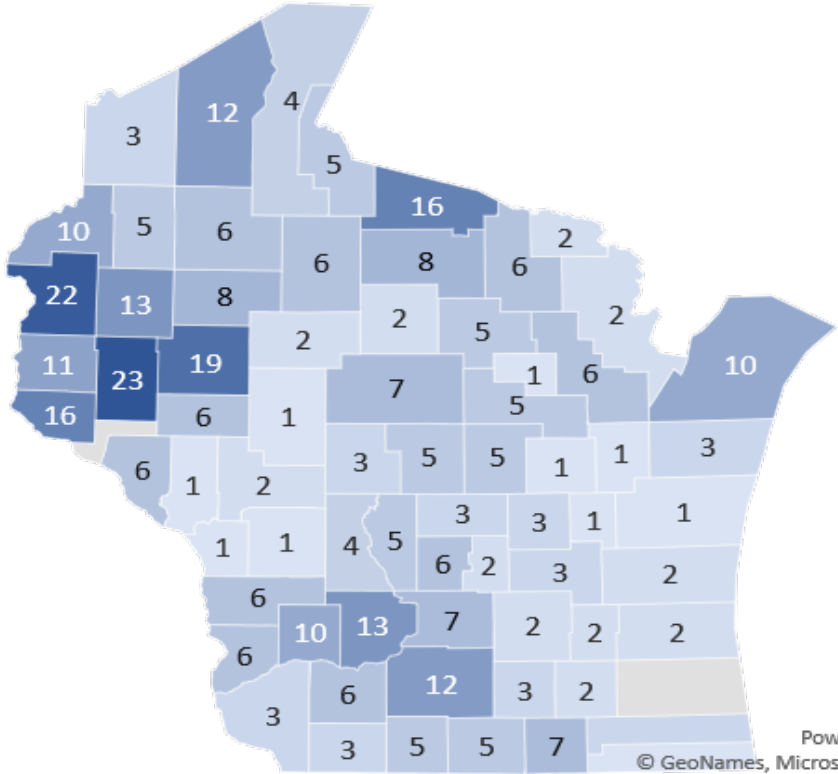
Contributions Leveraged
\$219.80 Million

Awarded Projects
363

Completed Projects
148 41%

Customers to be Served

Businesses	Residential
22,974	336,212



Powered by Bing
© GeoNames, Microsoft, TomTom

- \$125 million allocated
2021-23 Biennial Budget
Applications due March 17, 2022 for \$100 million round.

- Bipartisan Infrastructure Package: \$42 billion nationwide for broadband connection

- Call 811
- Digger's Hotline complaints
- April 2021: \$150,000 Fine levied



- Renewable Natural Gas (RNG)
 - “Carbon intensity” measurement
 - CO2 sequestration pipelines: Iowa, North Dakota
- Hydrogen
 - Blending, co-firing, new infrastructure?

Thank You!

Any Questions?

Commissioner Tyler Huebner
Public Service Commission of Wisconsin

COVID-19: Protected residential customers from being disconnected during initial phase of the pandemic (March 2020 until April 2021)

Improved Deferred Payment Agreements and Arrearage Management Plans

Energy Burden Analyses in utility annual reports

Partial Securitization Approved for one retiring coal power plant

Affordability remains a focus in 2022 and beyond