



A Smartland Discussion

State Energy Planning: How to Prioritize Energy Efficiency

February 11, 2021

Panel Speakers

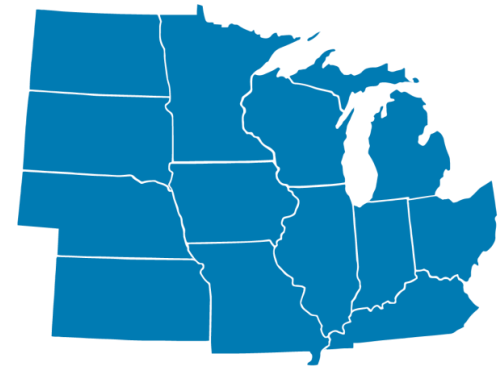
- Barb Meisenheimer, Deputy Director, Division of Energy, Missouri Department of Natural Resources
- John Seryak, Founder & CEO, Go Sustainable Energy
- Lt. Governor Mandela Barnes, State of Wisconsin
- Moderator: Stacey Paradis, Executive Director, MEEA

About MEEA

The Trusted Source on Energy Efficiency

We are a nonprofit membership organization with **160+ members**, including:

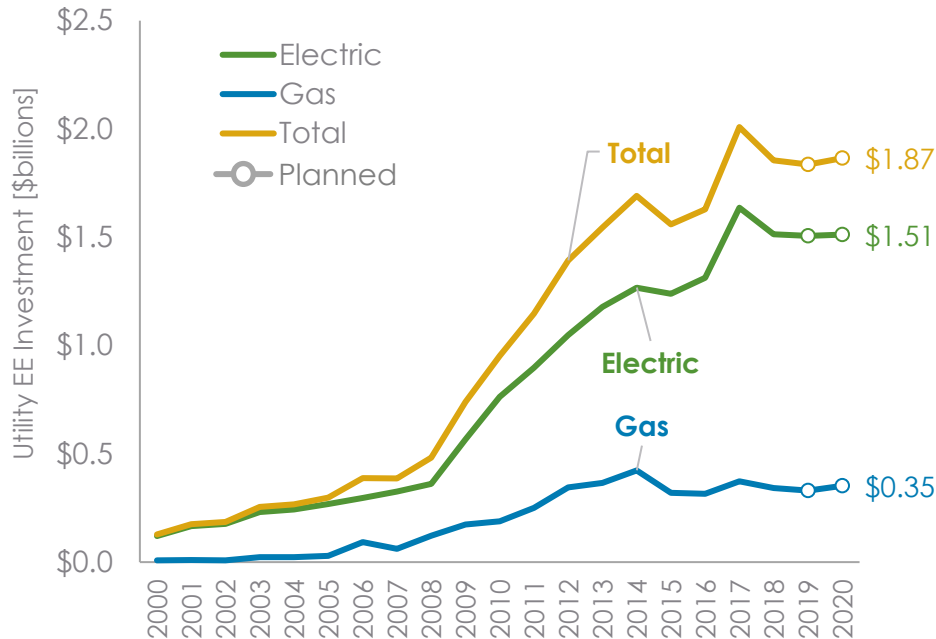
- Utilities
- Research institutions
- State and local governments
- Energy efficiency-related businesses



As the key resource and champion for energy efficiency in the Midwest, MEEA helps a diverse range of stakeholders understand and implement cost-effective energy efficiency strategies that provide economic and environmental benefits.



Energy Efficiency Investment & Policies in the Midwest

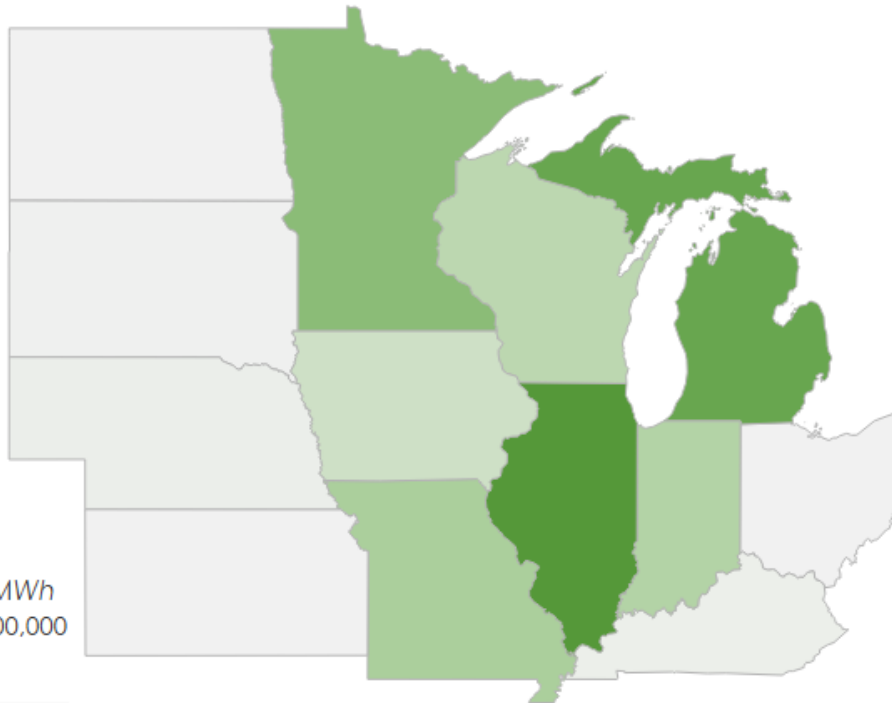


1983	MN	Pilot legislation
1990	IA	Initial legislation
1991	MN	CIP requirement adopted
1996	IA	Legislation updated
1999	WI	Public Benefit Fund adopted (electric & gas)
2007	IL	EERS legislation adopted (electric)
2007	MN	EERS legislation adopted (electric & gas)
2008	MI	EERS legislation adopted (electric & gas)
2008	OH	EERS legislation adopted (electric)
2008	IA	EE mandated by Executive Order (electric & gas)
2009	IL	EERS legislation adopted (gas)
2009	IN	EERS implemented by regulatory order
2009	MO	Voluntary EE standard legislation adopted (electric)
2010	WI	EERS implemented by regulatory order
2011	WI	EERS adjusted by legislation
2014	IN	EERS overturned by legislation
2014	OH	EERS 'frozen' by legislation
2016	IL	EERS Updated by legislation
2016	MI	EERS amended, PSC authority increased
2016	OH	EERS freeze extension vetoed, EERS restored
2018	IA	EERS reduced by legislation
2019	OH	EERS overturned by legislation

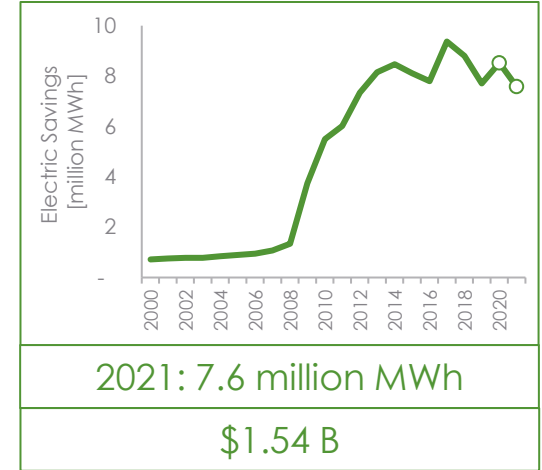
TIMELINE OF ENERGY EFFICIENCY
POLICIES IN THE MIDWEST

2021 Midwest Efficiency Savings

Electric

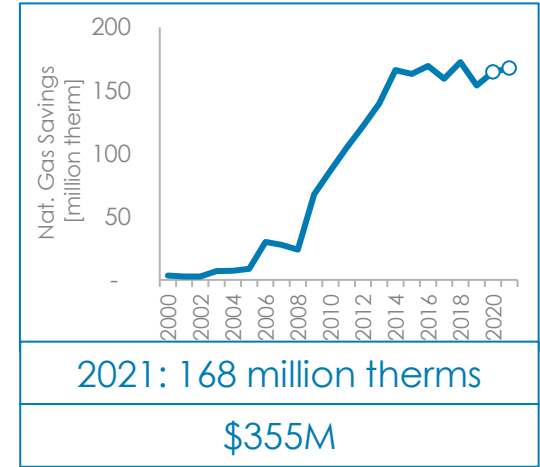
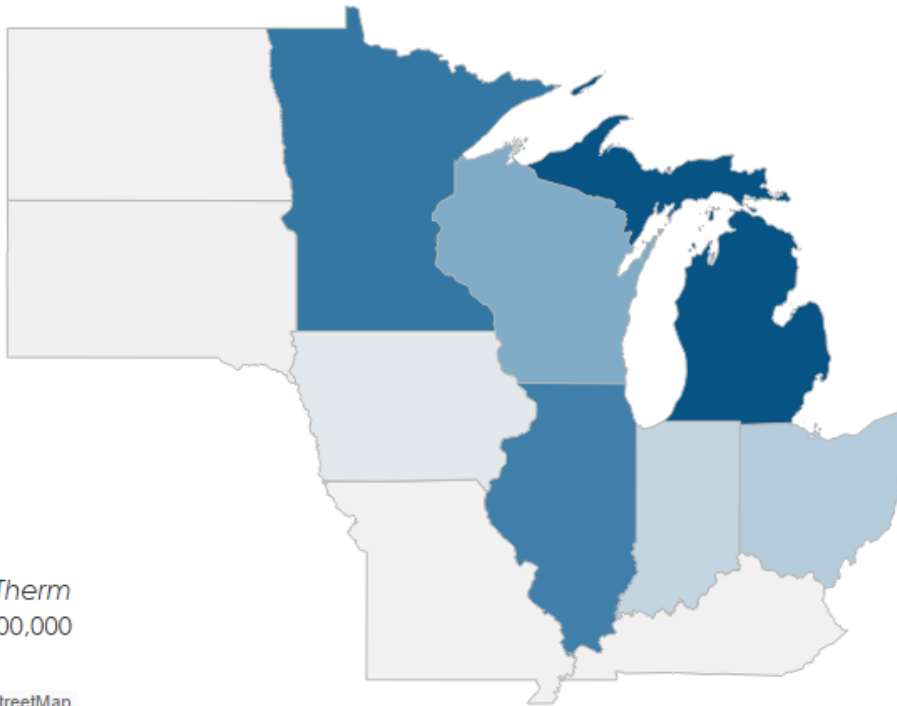


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2021 Midwest Efficiency Savings

Natural Gas



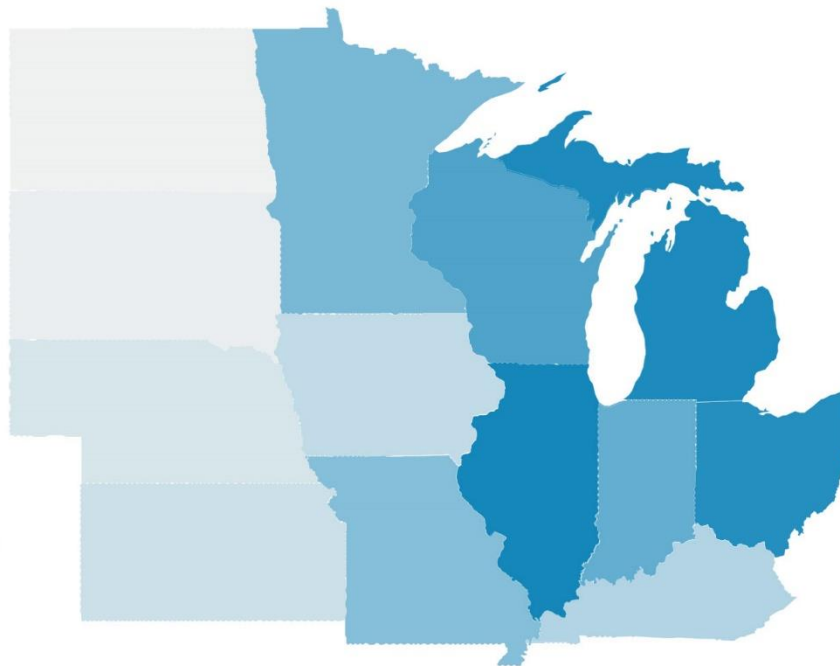


489,803

**Energy Efficiency Jobs
(as of December 2020)**

5,000

100,000

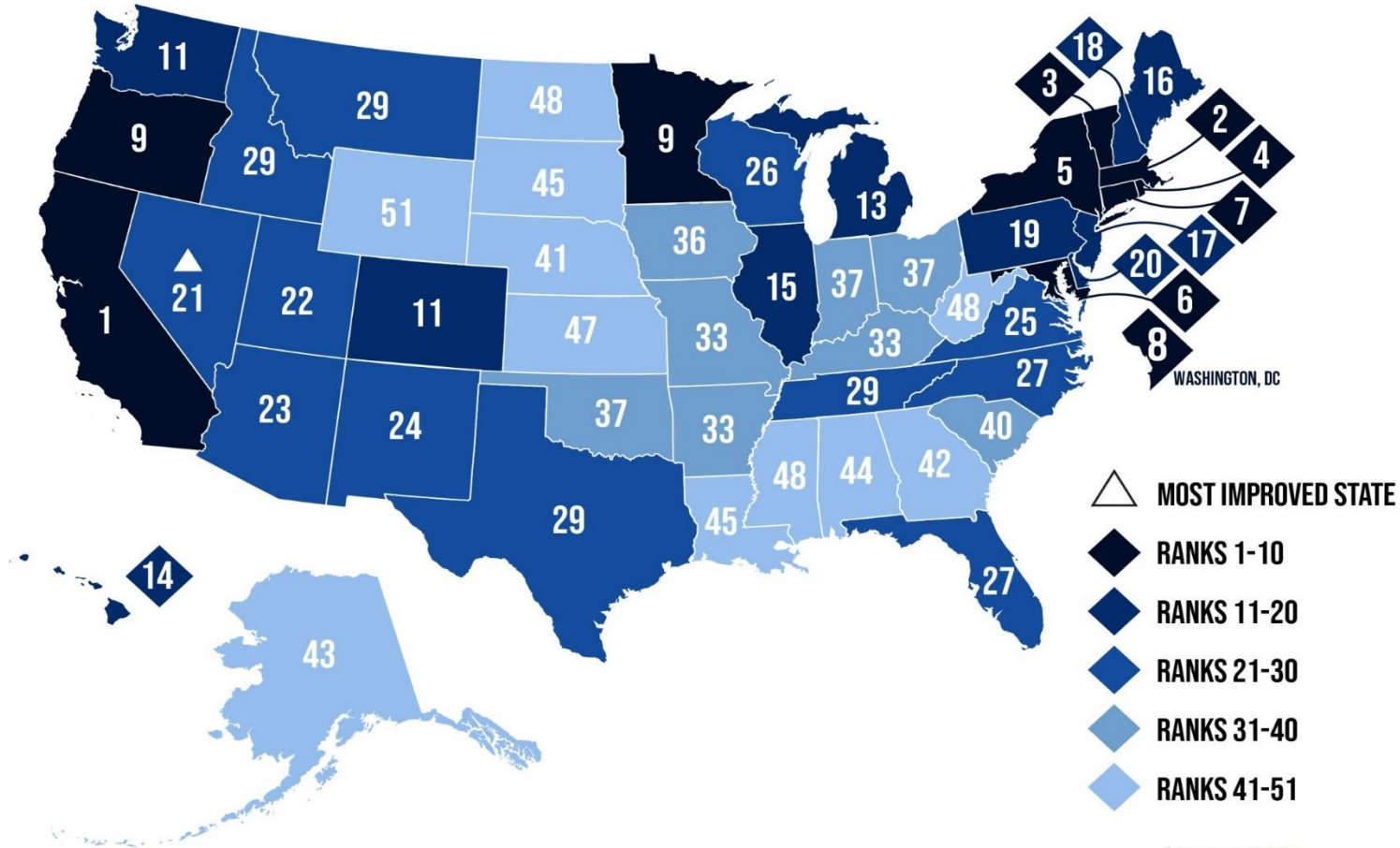


As with the rest of the economy, energy efficiency took a hit in 2020. Energy efficiency in the Midwest lost 100,486 jobs by May 2020 due to the COVID-19 pandemic and gained back only 28,436 by the end of 2020, for a net loss of 72,050 jobs. The Midwest's EE workforce was 489,803 strong at the end of 2020. This map shows where these jobs are located across the region.

EE jobs are not limited to any workforce sector. They include professional and service jobs, the building trades and industrial labor. Employment is driven by installation, financing, program evaluation, manufacturing, advocacy and engineering of energy efficiency goods and services, among others.

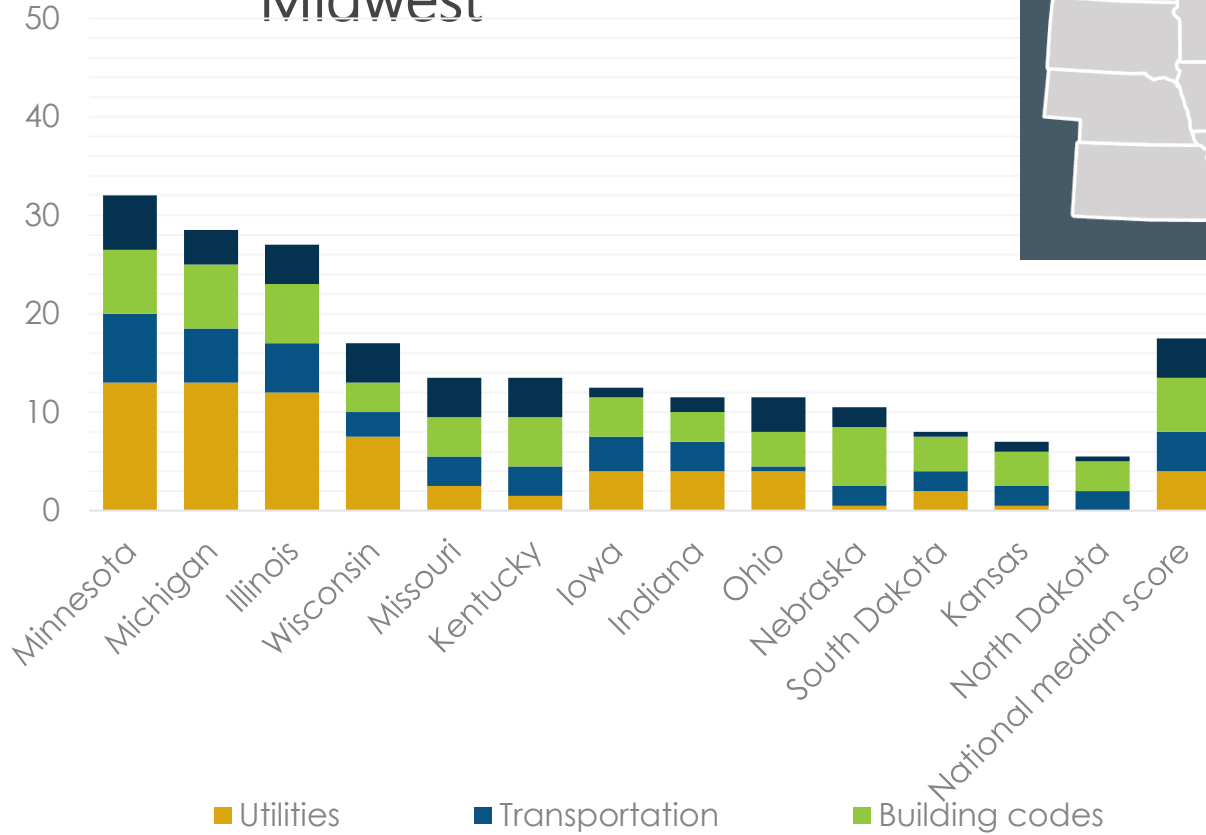
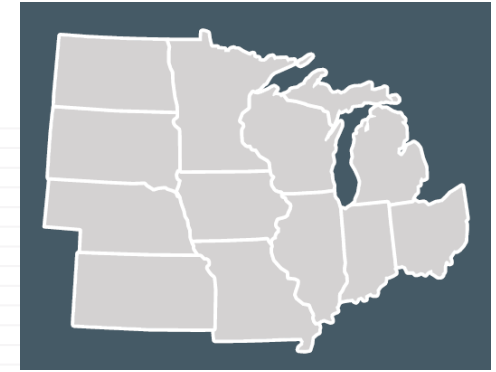


THE 2020 STATE ENERGY EFFICIENCY SCORECARD



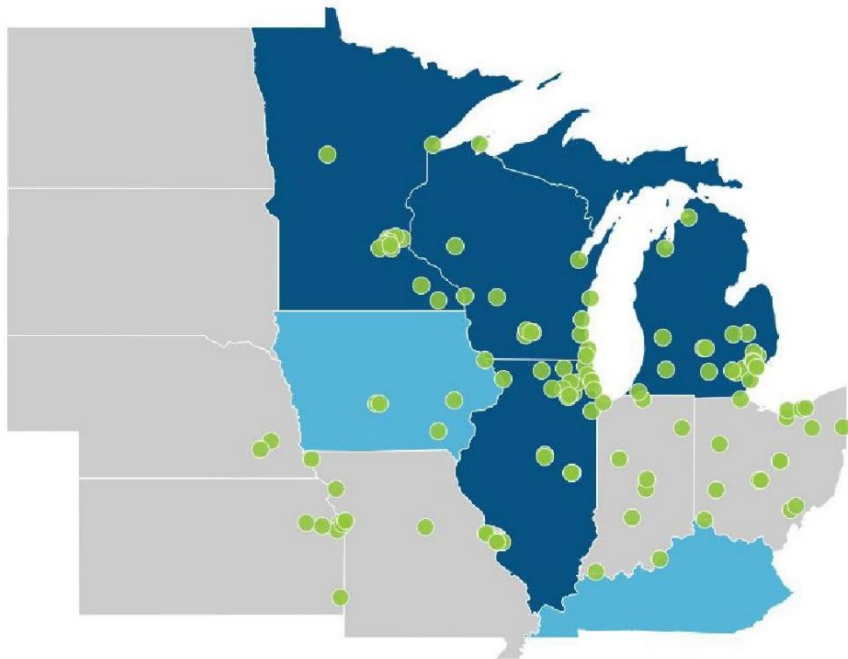
2020 State Energy Efficiency Scorecard

Midwest





DECARBONIZATION GOALS



**State Climate Action Plan &
Decarbonization Goal**

State Climate Action Plan

No state climate or decarbonization goals

● Local climate goals

SAVE THE DATE



VIRTUAL EXPERIENCE | February 16-19

Presented by





Update from the Missouri Division of Energy

Barb Meisenheimer
Deputy Director, Division of Energy
Missouri Department of Natural Resources
Feb. 11, 2021

Overview

- Missouri Division of Energy (DE) is a State Energy Office
- Focus: Affordable, reliable, Missouri-made energy
 - Assisting with initiatives at regional level based on particular needs
 - Serving as a source of energy information for citizens, stakeholders and policymakers
- All sections of DE support improved energy efficiency and opportunities for energy infrastructure investment, including cost-effective renewables

Missouri State Energy Planning (MoSEP) Process

- Virtual Energy Stakeholder Kickoff Workshop held Oct. 29, 2020
- Presentations from energy suppliers, consumers, others
- Stakeholder feedback showed diverse interests
- Significant market-based opportunities for in-state energy production (solar, wind, storage, renewable natural gas, biofuels)

MoSEP Process (Continued)

- Energy providers anticipate changes in portfolio based on market forces, customer interests
 - Transition to more renewables in electric utility portfolios (e.g., largest utility plans for net-zero carbon emissions by 2050, significant renewables expansion)
 - Largest electric IOUs have portfolios under Missouri Energy Efficiency Investment Act (MEEIA); remaining utility plans to file
 - Largest gas company has energy efficiency programs, proposals for expanding efficiency offerings and exploring renewable natural gas

MoSEP Process (Continued)

- Next steps:
 - Convene regional meetings to develop initiatives that address local energy-related needs
 - Measure regional initiative progress towards statewide “value statement” using metrics
- Value statement recognizes:
 - Secure, reliable, resilient infrastructure and supplies
 - Competitive rates and renewable energy options for businesses
 - Develop diverse in-state resources
 - Innovation and workforce development
 - Affordability and equity
 - Efficient and environmentally sound use of resources

Infrastructure Financing

- Energy Loan Program typically focused on public sector
- Investigating options to expand financing offerings to underserved sectors:
 - Agriculture
 - Multifamily housing
 - Commercial
 - Water/wastewater treatment facilities
- Potential for coordination with Environmental Improvement and Energy Resources Authority
- Options include loan loss reserve and new loan offering
- Request for information issued in October

Sustainable Corrections Infrastructure Partnership

- First state to join USDOE accelerator
- Supporting Missouri Department of Corrections
- Goal: Create a plan for state correctional facilities to achieve average of 20% energy and water savings
- More information:
<https://betterbuildingssolutioncenter.energy.gov/accelerators/corrections-infrastructure>



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Agricultural Grants

- DE will reinitiate cost-share grants to agricultural operations statewide for energy efficiency improvements and renewable energy equipment
- Consulting with Missouri Department of Agriculture on specifics of program

Other Projects/Updates

- Weatherization – Federal changes to expand client base and eligible measures
 - Key provision is the ability to re-weatherize homes after 15 years
- Roadmap to Resilience
 - USDOE competitive grant; completed recently
 - Guide for resilience planning in small- to medium-sized communities
 - Includes tools and suggested progress metrics
 - Report at <https://dnr.mo.gov/pubs/docs/pub2885.pdf>
- Inventorying local wind and solar siting requirements



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Thank You!