



National Association of
State Energy Officials

NASEO's 2019 Midwest Regional State Energy Officials Meeting

Policy Issues and Program Activities

May 14-15, 2019
Madison, Wisconsin

<i>Illinois</i>	<i>Minnesota</i>
<i>Indiana</i>	<i>Missouri</i>
<i>Iowa</i>	<i>Ohio</i>
<i>Michigan</i>	<i>Wisconsin</i>

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Illinois Environmental Protection Agency, Office of Energy

Illinois's Energy Policy Issues:

- Working with groups like the Illinois Green Economy Network and Elevate Energy to reach areas of Illinois divested by the coal industry with workforce development and energy efficiency education opportunities
- Navigating what the Climate Alliance means for the Illinois EPA and other State Agencies
- Seeking State appropriations to: fund additional staff; increase programming; and free up SEP funds with State cost match
- Exploring energy efficiency in agriculture, especially as Illinois turns to legalization

State Energy Program Activities:

- **WWTP EE Assessment Program.** We have enjoyed a big uptick in energy efficiency interest from public wastewater facilities since the first round of our grant program went live in December. Over the first year of the program we have provided comprehensive EE assessment reports to 20 WWTPs, we have another 14 reports in draft, and 5 facilities waiting on a visit from one of our partners.
- **WWTP EE Grant.** In March we awarded four grants to WWTPs making energy efficiency upgrades identified in a recent facility assessment. The four awards total \$2.1 million and will be leveraged with over \$3 million in cost match by grantees of diverse sizes and diverse geography!
- **Energy Code Training & Tech Support.** We have pushed Energy Code training to the far reaches of the State, getting feedback from participants that they have not been offered free education and training opportunities for over a decade. We have 10 in-person workshops scheduled and have held 5 live webinars during PY18. We intend to keep the program going through PY19, transitioning subject matter to reflect the code cycle.
- **Solar + Storage at Southern Illinois University.** On May 1 we issued a grant award to SIU Carbondale for a unique PV and battery storage project that has communications resiliency benefits for both the college campus and larger Carbondale community in the event of power disruption. The project is designed to be scalable at SIU but also replicable at other, similarly situated institutions.

Other (Non-SEP) Activities:

- Governor Pritzker joined the Climate Alliance on January 23
- State of Illinois Energy Annex is in final draft form
- Working with the Illinois Clean Energy Community Foundation to bring schools, WWTPs, and other institutions to net-zero

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Iowa Economic Development Authority (IEDA) - Iowa Energy Office

Iowa's Energy Policy Issues:

- **Iowa's 2019 Legislative Session**

The 2019 Iowa legislative session produced much debate and a few approved energy bills (*As of 5/2/2019, energy legislation had not yet been signed into law). Regarding electric vehicle charging infrastructure, a bill was passed that would impose an annual registration fee on IA EV owners and an excise tax on all charging stations. The EV legislative effort was not led by our office but we were actively engaged in the discussions and something that we encouraged, and it ended up in the final legislation was to both roll in the registration costs over a few years to ease the cost-burden and to delay the implementation of the excise tax until 2023.

State Energy Program Activities:

- **Charging Forward: Iowa's Opportunities for Electric Vehicle Infrastructure Support**

Per a legislative directive from the 2018 legislative session, our office produced an EV infrastructure report in February, with recommendations to develop an effective statewide EV and charging infrastructure strategy. As part of this effort, we organized a steering committee with representation from the DOT and utility industry, and hosted working group meeting of over 50 diverse stakeholders.

- **Iowa Energy Storage Action Plan**

May 2019, the Energy Office released the, "Iowa Energy Storage Action Plan." As part of this effort, we organized a storage committee which consisted of diverse group of 17 energy stakeholders and the action plan offers recommendations on how Iowa should embrace this emerging technology to further harness and complement the state's existing renewable energy resources.

- **Rural Pilot – Energy Expertise**

Per the Iowa Energy plan, IEDA was tasked with developing and funding a pilot program that makes available energy expertise and technical assistance to rural communities. IEDA and the Iowa Association of Municipal Utilities (IAMU) have partnered on an innovative and collaborative two-year pilot program to provide technical energy expertise to IAMU's rural utility members and communities. Iowa has also invested state money into this pilot program.

- **Energy Assurance**

The Iowa Department of Agriculture and Land Stewardship and the Iowa Utilities Board have primary responsibility for the state's Energy Assurance Plan. The functions they oversee include energy planning and coordination for the state, promoting the synchronization of risk management activities and emergency response preparedness programs/plans.

Other (Non-SEP) Activities:

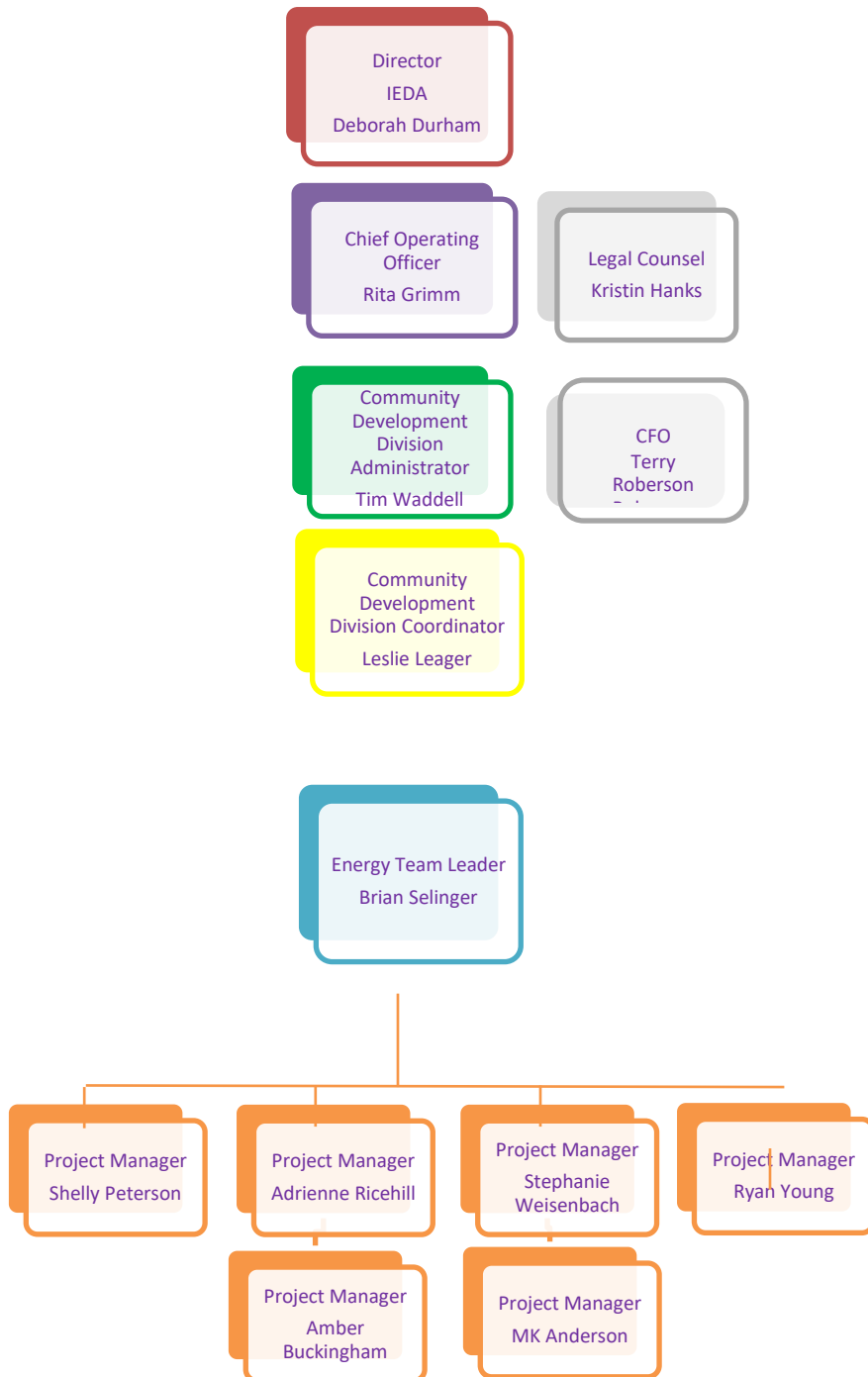
- **Iowa Clean Cities Coalition**

The Iowa Clean Cities Coalition is a program that incorporates a variety of public and private stakeholders to coordinate education and technical assistance on alternative fuels and advanced vehicle technologies, especially for fleets. The mission of the national Clean Cities program is to advance the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum consumption in transportation. It is housed at the IEDA and a designated member of the U.S. Department of Energy's Clean Cities program.

- **ARRA Competitive Grant Program**

The Energy Office was granted approval by the DOE to repurpose a portion of our ARRA loan dollars and convert them into competitive grant funds for projects which can be utilized to support energy projects which align with the objectives and strategies of the Iowa Energy Plan. We organized and have implemented a competitive grant program that has already sparked numerous innovative and impactful energy projects in Iowa.

**Iowa Economic Development Authority (IEDA)
IEDA / Iowa Energy Office Organizational Chart**



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MICHIGAN ENERGY OFFICE (MEO)

Executive Actions

Michigan's Governor Gretchen Whitmer signed:

- Executive Order 2019-2 restructuring the Department of Environmental Quality as the Department of Environment, Great Lakes, and Energy, moving the MEO within.
- Executive Directive 2019-12 entering Michigan into the US Climate Alliance.

Energy Policy Work:

- Convening stakeholder discussions on development of a common energy optimization program for the Michigan's Upper Peninsula.
- Working with municipalities, electric utilities and community action agency to expand low income communities' access to renewable energy resources.
- Working with the William Davidson Institute on social entrepreneurship and the Gerald R Ford Public Institute at the University of Michigan to address energy equity issues.
- Participating in stakeholder engagements focused on implementing Demand Response, Performance Based Regulation, Energy Waste Reduction and On-Bill Financing provisions in PA 342.

State Energy Program Activities:

- **Stakeholder Engagement activities** – Convening discussions with stakeholders on SEP formula programs and metrics.
- **Communities:**
 - **Community Energy Management Services** – Providing resources to distressed communities to implement CEM Best Practices. (E Benchmarking, Building Energy Audits, E training for municipal staff and local leaders; identifying funding mechanisms, other tools/resources to facilitate/implement EERE projects)
 - **2030 Districts** – Supporting 2030 members in Detroit and Grand Rapids areas reach their energy goals.
 - **UP Planning & Development Regions** – Providing resources to UP communities to develop energy action plans or incorporate energy goals/targets into local planning documents.
 - **Community Solar** - Replicate the Cherryland Community Solar Project for low income communities to help reduce low-income households' utility bills and help them on a path towards energy self-sufficiency.
- **Industry Sector:**
 - **Clean Energy Business Development** – Providing free or low-cost assistance to entrepreneurs to develop and bring EERE technologies to market.
 - **AgriEnergy Demonstrations** – Partnering with the Michigan Farm Energy Program (MFEP) to implement energy audits and water assessments in the food processing sector, evaluating the MFEP and developing a program sustainability plan, case studies and on-farm field days showcasing the agrienergy demonstration technologies.

- **Small Manufacturers Energy Waste Reduction Incentive Pilot-** Providing assistance to small manufacturers in the Upper Peninsula for onsite energy waste reduction.
- **CHP Technical Assistance-** Incentivizing participation in utility combined heat and power pilot programs by providing technical assistance services and offering match assistance for implementation and adoption activities.
- **Energy Technology Commercialization Services** – Providing commercialization services for clean energy manufacturing products and services.

Other (Non-SEP) Activities:

- VW Settlement/Electrify America – Working with stakeholders on VW Mitigation Trust Fund Projects.
- Participating in the Sustainable Wastewater Infrastructure of the Future Accelerator
- Overseeing Michigan’s Upper Peninsula Energy Waste Reduction Program with electricity and natural gas utilities and energy optimization service providers to educate customers on a common EO program for all rate classes.
- Agriculture & Rural Communities Energy Roadmap – evaluating energy gaps, issues and opportunities for Michigan rural communities and the agriculture industry to improve programs and policies.

MINNESOTA STATE ENERGY OFFICE

The State Energy Office (SEO) helps Minnesota achieve its clean energy goals by accelerating the use of energy efficiency and renewable energy practices, providing residents with accurate energy information, supplying assistance to local units of government, and educating businesses about best practices to achieve efficient and safe buildings. SEO has six teams and is part of the Minnesota Department of Commerce.

CLEAN ENERGY TECHNOLOGIES supports the development of wind, solar, bioenergy, and other clean energy projects in MN, advances clean energy policies and programs, and accelerates clean energy business in MN. The team:

- Supports a growing clean energy economy through expert technical assistance. From 2013-2017, solar jobs in MN increased from 814 to 4,2561. 2018 experienced additional growth of 8% bringing the total to 4602.
- Supports a growing MN solar market. MN added 467 MW of solar capacity in 2018, up from 284 MW less than 1 MW in 2009.
- Supports two USDOE SunShot Initiative grant projects of more than \$2 million to propel MN's solar industry.

The **ENERGY EFFICIENCY & ASSURANCE** team provides technical assistance to public entities on energy efficiency and renewable energy projects, establishes sustainable building practices, and monitors information on energy security, reliability, and emergency response issues. The team:

- Administers the Guaranteed Energy Savings Program (GESp) that helps state agencies, colleges, and cities implement energysaving projects, with guaranteed energy savings of \$1.3 million annually.
- Coordinates the Local Energy Efficiency Program (LEEP) that complements GESp by facilitating investment grade energy audits.
- Sponsors Minnesota B3 Benchmarking, a program that tracks and manages energy use in over 8,500 public buildings in the state. B3 has identified over \$23 million in potential energy savings in over 1,500 identified buildings.
- Compiles a weekly energy and emergency situational awareness report to ensure the state is prepared to respond if energy is in short supply, and conducts the MN State Heating Oil and Propane Price Survey.

MN's **CONSERVATION IMPROVEMENT PROGRAM (CIP)** is nationally recognized as a leader in utility efforts to help MN residents and businesses save energy. Commerce oversees CIP, which is administered by the state's 180 electric and natural gas utilities.

- Since 2008, CIP has saved Minnesotans more than \$3.5 billion on their energy bills.
- Every dollar invested in CIP provides \$4 in energy savings, environmental benefits, and new economic activity.
- In 2018, ACEEE ranked MN's CIP 6th most effective in the nation, with MN's natural gas utilities achieving the highest savings as a percentage of sales.

- MN ranked 8th in the 2018 ACEEE State Energy Efficiency Scorecard and has ranked in the top 10 in 11 of last 12 years.

The **WEATHERIZATION ASSISTANCE PROGRAM (WAP)** is a state program administered by Commerce through 24 local service providers that implement free home energy upgrades for income-eligible homeowners and renters, permanently reducing their energy bills.

- Reduces a household's energy bills by 30% on average.
- Returns \$4.10 to households in energy savings for every \$1 invested in the program.
- Provided weatherization services to 1,700 low-income Minnesota households in 2018.
- Manages a U.S. Department of Energy grant focused on reducing the overall energy burden of low-income households.

The **SEO OPERATIONS** team administers energy financing programs and coordinates contracts, procurement, funding opportunities, and data management for the State Energy Office. The SEO Operations team:

- Administers two loan programs and sponsors four third-party administered loan and lease programs.
- Leverages nearly \$20 million in revolving loan programs for energy efficiency projects serving residential, business, nonprofit, and public sectors.
- Provides technical expertise in coordinating funding opportunities, grant administration, contract procurement, and data management.

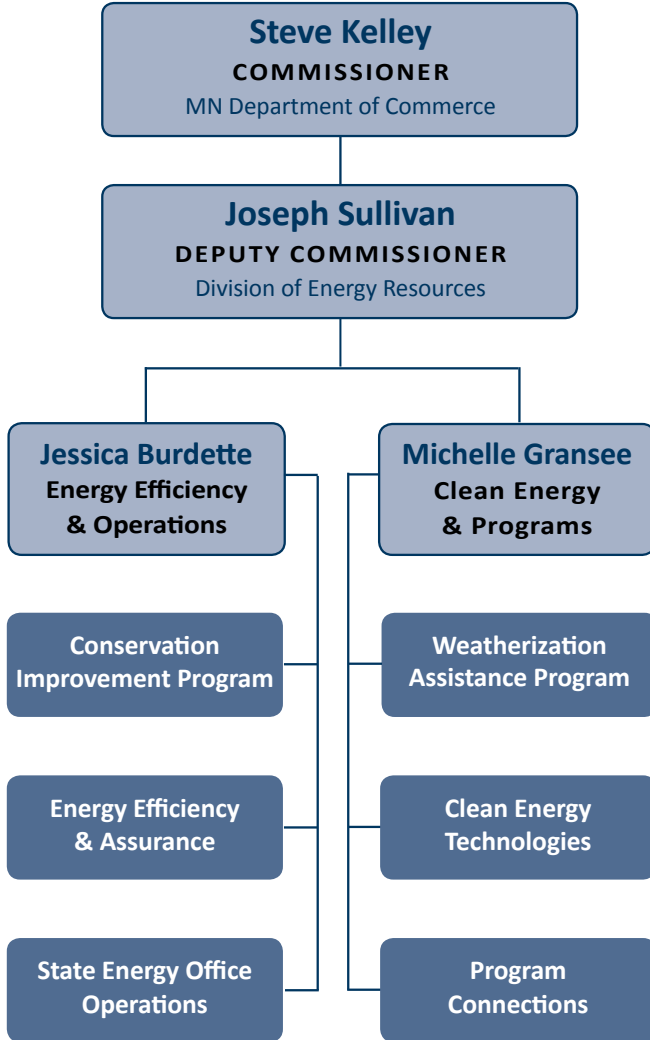
The **PROGRAM CONNECTIONS** team supports energy initiatives through outreach events and published materials. It responds to consumer questions about energy and provides accurate information to help Minnesotans make informed choices about their energy use.

- In 2018, responded to over 2,800 energy calls and emails via the Energy Information Center.
- Connects annually with over 250,000 people at outreach events such as the 2018 MN State Fair Eco Experience.
- Distributes more than 15,000 print pieces, mostly the Home Energy Guide, to residents and businesses.
- In 2018, designed and launched a new grant initiative to further promote energy education at the local level.

MINNESOTA STATE ENERGY OFFICE

Organizational Chart
January 2019

State Energy Office Staff Directory
mn.gov/commerce/energy/



Steve Kelley, *Commissioner*
Joseph Sullivan, *Deputy Commissioner*651.539.1801

Jessica Burdette, *Energy Efficiency & Operations*651.539.1871

Conservation Improvement Program

- *Anthony Fryer
- Mary Sue Lobenstein
- Laura Silver
- Adam Zoet

Energy Efficiency & Assurance

- *Peter Berger
- Doug Renier
- Lindsay Anderson

State Energy Office Operations

- *Kari Moeller
- Jill Garcia
- Jessica Perron
- Jonathan Sewall
- Anne Sell

Michelle Gransee, *Clean Energy & Programs*651.539.1855

Weatherization Assistance Program

- *Jake McAlpine
- Bill Dixon
- Peter Gens
- Rick Halvorson
- Ivan Karnes
- Suzy Meneguzzo
- Kellye Rose
- Ben Tucker

Clean Energy Technologies

- Jack Kluempke
- Lise Trudeau
- Ben Martin

Program Connections

- Mark McLaughlin
- David Swanson
- Terry Webster

* denotes unit coordinator

Energy Info Line: energy.info@state.mn.us800.657.3710

Fax: 651-539-0109

Phone: 651-539-1500

Web: mn.gov/commerce/energy/

Mailing Address: Minnesota Department of Commerce
 85 7th Place East, Suite 500
 St. Paul, MN 55101

NASEO's 2019 Midwest Regional Meeting Missouri Division of Energy Update

Missouri's Energy Policy Issues:

- By Executive Order, DE is transferring from the Department of Economic Development to the Department of Natural Resources. The transfer will enhance the Department of Natural Resources' ability to balance a healthy environment with a healthy economy.
- Senate Bill 564 (2018) creates a number of new opportunities for utility investment in grid modernization and solar power. Section 393.1400, RSMo. enables utilities to use plant-in-service accounting, with a requirement that utilities using this type of accounting provide capital investment plans that target 25 percent of the investments therein toward grid modernization. The legislation also requires utilities to invest in additional utility-scale solar generation and to provide rebates for certain customer-owned solar energy additions.

State Energy Program Activities:

- DE was awarded a grant from DOE to support a "resiliency roadmap" project. This involves working with several communities. In addition, DE partnered with Colorado on an Energy Investment Partnership grant and worked with stakeholders around the state on a grant to develop an electronic evaluation, measurement, and verification tool.
- DE has been involved in a number of Public Service Commission cases and working dockets. Topics include in-state wind energy development, Missouri Energy Efficiency Investment Act programs, combined heat and power (CHP), electric vehicle charging stations, integrated resource planning, and efficiency incentives through programs and rates. DE is also monitoring proceedings related to the Grain Belt Express transmission project.
- DE is using incremental SEP funding received from DOE to support a number of innovative community and industry initiatives. These include: an energy audit of a Missouri Veterans Home; a precision agriculture study; planning a conference on rural community resiliency and economic development in the Fort Leonard Wood area; supporting outreach by municipal utilities on combined heat and power; updating the Missouri Energy Assurance Plan; supporting a feasibility study on CHP for a rural hospital; funding for two planning and feasibility studies for energy storage and electric vehicle charging; supporting a planning and feasibility study for energy storage at a wastewater facility; funding the installation of self-learning thermostats in low-income homes; and, providing funds as part of a partnership to include solar-readiness and 2012 energy codes in the architectural design of homes intended for purchase by income-eligible homebuyers.
- Missouri is working with realtors to provide energy information at the point of home sale.

Other (Non-SEP) Activities:

- DE's Energy Loan Program provides low-interest loans to support energy-related improvements. Eligible recipients can include public schools, public and private higher education institutions, public and private not-for-profit hospitals, and local governments. DE anticipates announcing the next cycle of program funding in June.
- DE administers federal Low Income Weatherization Assistance Program funding in Missouri, as well as the weatherization funds of some investor-owned utilities. In 2018, DE supported the weatherization of 1,400 homes, resulting in an estimated annual average savings of \$283 per home.

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OHIO

Energy Policy Issues:

- Focus on efficiency and energy conservation measures

State Energy Program Activities:

- Energy Efficiency Program for Manufacturers
 - Subsidized (75%) ASHRAE II Energy Audits
 - Small grants of up to \$25,000 for implementation
- Energy Efficiency Program for CMUSH Sector
 - Subsidized (50%) ASHRAE II Energy Audits
 - Small grants of up to \$25,000 for implementation
- Outreach & Education
 - Workshops for industry on motors, HVAC, air compression, lighting etc.
 - Sponsor of Annual Manufacturer's Education Council conference on Energy Management
- Furnace Replacement in Appalachia, Ohio

Other (Non-SEP) Activities:

- Energy Loan Fund
 - Low interest loans for implementation of energy efficiency measures
- Loan/Loss Reserve Program
 - Collateral enhancement for energy loans Ohio Port Authorities originate

Current Energy Policy Issues

- Energy Assurance – conduct planning, monitoring, and coordinate emergency response, with a designated focus on the petroleum sector.
- Public Sector and Rural Support – provide solutions for reduction of high-energy use in communities, with emphasis on water & wastewater utilities and agribusinesses.
- Renewable Natural Gas Production and Use – continue efforts to address energy production/savings, nutrient management, and water quality throughout the state.

State Energy Program Activities

- Municipal Energy Efficiency Technical Assistance Program (MEETAP)
 - Provides technical assistance to municipalities and school districts to achieve energy efficiency goals
- Energy Assurance & Data Transparency Activities
 - Updates Energy Assurance Plan & Petroleum Shortage Contingency Plan; provides grants for generator readiness; produce annual statewide energy statistics; tracks State Heating Oil and Propane Price (SHOPP)
- Energy Innovation Grant Program (EIGP) & Clean Energy Manufacturing Revolving Loan Fund (CEMRLF)
 - Reduces energy consumption and cost to businesses and residents with increased usage of renewable energy and transportation technologies, comprehensive energy planning, and bolstered preparedness and resiliency
- Biofuels Retail Advancement in Wisconsin Transportation (BRAWT)
 - Increases utilization of Wisconsin-based biofuel in the state's gasoline-ethanol blends through innovative public-private partnerships to market higher
- Solar Energy Innovation Network
 - Identifies cost-effective locations for solar + storage with focus on resiliency

Focus on Energy (Focus) Activities

Wisconsin utilities' statewide energy efficiency and renewable resource programs that provides incentives to install cost-effective energy efficiency and renewable energy projects through utility ratepayer funds

- Economic Impacts Report
 - Between 2015-2016, generated \$762 million in economic benefits and energy savings from projects produced a \$5.93 return for every dollar invested
- Integrated Anaerobic Digester System Program
 - Provides grants for manure management systems to reduce costs, add efficiency, and maximize renewable energy benefits
- State Program for Energy Customer Tracking, Resource Utilization and data Management (SPECTRUM)
 - Develops a customer relationship management system to serve as functional components of Focus

For the latest information and resources, visit <https://psc.wi.gov/Pages/Programs/OEI.aspx>