



WISCONSIN- STATE ENERGY PRIORITIES AND OPPORTUNITIES

U.S.-India State and Urban Initiative

Wisconsin's Energy Situation and Priorities

Wisconsin's generation mix is dominated by coal, which provided 56 percent of the state's net electricity generation in 2017, followed by natural gas at 19 percent, nuclear at 14 percent, and renewables at 6 percent. Wisconsin mandated that 10 percent of electricity consumed in the state must come from renewable sources by December 31, 2015, a target that Wisconsin reached two years early. The standard has not been updated since. However, the state offers funding to communities to plan and implement goals of at least 25 percent renewable energy by 2025. There are currently 140 such communities in Wisconsin.

Potential Opportunities

Companies, Incubators, & Research Institutions

[EnSync Energy Systems](#): EnSync Energy is a global corporation headquartered in Wisconsin that offers energy management systems for commercial, industrial, and multi-family customers as well as new innovations in battery storage.

[Midwest Energy Research Consortium](#): M-WERC was founded by three universities, four industrial companies, and the U.S. Department of Energy in Southeast Wisconsin, but has grown to include other members in the Midwestern United States. The organization conducts research in technology innovation and energy markets. Research areas include energy storage, control and data systems, power conservation, and power distribution and protection. The consortium also hosts the Energy Innovation Center, where companies can conduct research and small-scale manufacturing.

[Renew Wisconsin](#): Renew Wisconsin is a not-for-profit organization that promotes renewable energy in Wisconsin. They work on policies and programs that expand solar power, wind power, biogas, local hydropower, and geothermal energy.

[Seventhwave](#): Seventhwave is a not-for-profit organization that provides energy consulting, technology research, policy analysis, and program implementation to Wisconsin utilities. The company focuses on energy efficiency in buildings.

[WECC](#): WECC is a not-for-profit organization that designs and implements energy efficiency and renewable energy programs. The organization partners with utilities, local and state governments, regulatory agencies, and other organizations to help consumers and businesses save energy and money.

[Wisconsin Energy Institute](#): WEI at the University of Wisconsin–Madison facilitates the university's energy research. The major research areas are low- and zero-carbon electricity systems (e.g., solar, wind, geothermal, nuclear), transportation and fuels, and sustainability and society.

State Programs



[Biofuels Retail Advancement in Wisconsin Transportation](#): The BRAWT program implements the U.S. Department of Agriculture's Biofuels Infrastructure Partnership grant to install ethanol blending equipment at fuel stations across Wisconsin.

Other Opportunities

M-WERC is [exploring opportunities](#) to provide energy solutions to India's Smart Cities initiative.

For more information, contact:

Dr. Kartikeya Singh, Deputy Director and Fellow, Wadhwani Chair, CSIS KSingh@csis.org

Lisa Hyland, Associate Director, Energy and National Security Program, CSIS LHyland@csis.org

Stephen Naimoli, Research Associate, Energy and National Security Program, CSIS SNaimoli@csis.org