

# Energy Solutions to Meet Growth in Michigan



**394,845 energy workers statewide**

Nearly 9% of state employment



**\$30B in capital expenditure invested**

in energy and manufacturing projects since Q2 2022



**Natural gas + renewables = 55%**

of Michigan's power generation



**\$67.4M in rural revenue**

from clean power projects

The United States is already experiencing sharp increases in energy demand coupled with concerns about rising energy costs. A recent report by S&P Global Commodity Insights predicts that [U.S. electricity demand will surge by 35-50%](#) over the next few decades, driven by AI, data centers, and the onshoring of U.S. manufacturing.<sup>1</sup>

A broad portfolio of energy solutions are ready to meet this demand growth and provide economic benefits for communities across the country. In 2024, the United States deployed [\\$338 billion in financing](#) for energy technologies, including renewable energy, EVs, and power grid investment, up from \$303 billion in 2023, a 0.8% increase year on year. Nevertheless, China continued to lead the global market, with \$818 billion of investment in 2024, a 20% increase year on year.<sup>2</sup>

We need more energy now from a broad portfolio of all-of-the-above energy solutions. **This fact sheet highlights energy projects** driving economic growth in Michigan – and policy solutions to meet growing energy demand.

## Energy Policy Solutions in Michigan

The [Business Council for Sustainable Energy \(BCSE\)](#) and the [Clean Energy Business Network \(CEBN\)](#) are working with Congressional and state offices to enact policy solutions that will lower energy costs and ensure competitive Michigan leadership, including:

- Expanding and **modernizing the electric grid and energy infrastructure**, to support integration of new and flexible energy resources.
- Reforming and expanding capacity for **permitting and siting processes** at all levels to enable the build-out of efficient energy infrastructure and buildings.
- Funding **research, development, demonstration, and deployment (RDD&D)** of energy and carbon management technologies, to support Michigan's innovation in these expanding markets.
- Employing market-based tools, like **tax policy**, that create signals to invest and that leverage private sector dollars.



# Michigan's Expansive Energy Industry

**ENERGY PRICES:** From May 2024 to May 2025, [average residential energy prices](#) in Michigan increased by 3.5%.<sup>3</sup> As of June 2025, average residential electrical rates in Michigan are [20.85 cents per kWh](#), which are the 12th highest in the country.<sup>4</sup>

**UTILITY EFFICIENCY SPENDING:** In 2023, Michigan utilities invested \$380 million in [electric efficiency](#).<sup>5</sup>

**ENERGY EFFICIENCY ADVANCEMENT:** The American Council for an Energy-Efficient Economy ranked Michigan [number 17 in the nation](#) for policies and programs to advance energy efficiency in 2025.<sup>5</sup>

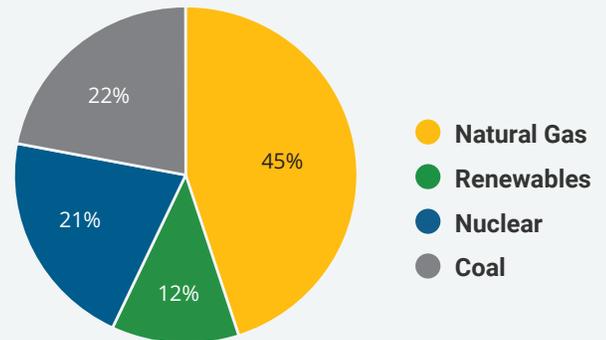
**INVESTMENT:** [\\$30 billion](#) in capital expenditure has been invested in 137 Michigan energy and manufacturing projects since Q2 2022.<sup>6</sup>



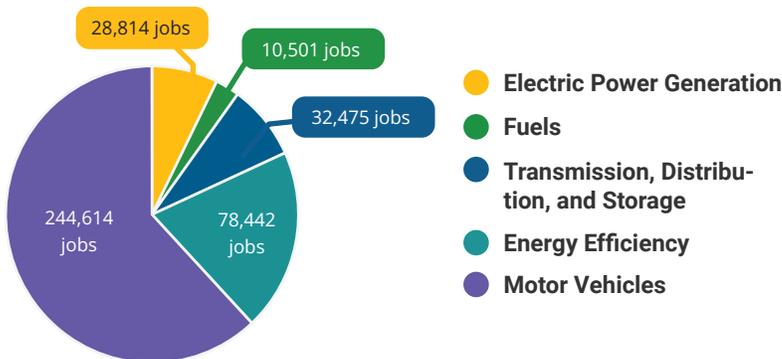
**RURAL BENEFIT:** Clean power projects provide extra income to farmers, ranchers, and other private landowners. Annually, these drought-proof land lease payments total [\\$67.4 million](#).<sup>7</sup>

**GENERATION MIX:** Natural gas and renewables provided [57% of Michigan's power generation](#) in 2024, up from 21% a decade ago.<sup>2</sup>

- The share of Michigan's total electricity generation from [natural gas-fired power plants](#) increased from 12% in 2013 to 46% in 2023.<sup>8</sup>
- Renewable energy, including hydropower, provides [12% of Michigan's](#) electricity generation. Solar, wind, biomass, waste-to-energy, geothermal, and hydropower have cumulatively installed more than 5,835 MW of power generation to date.<sup>2</sup>



**JOB:** Michigan had [394,845 energy workers](#) statewide in 2024, representing 4.7% of all U.S. energy jobs. The energy sector in Michigan represents 8.9% of total state employment.<sup>9</sup>



# Energy at Work in Michigan



## **CAPITAL POWER:** [Cogeneration Plant](#) in Midland

- Midland Cogeneration Venture is the largest natural gas-fired combined electrical energy and steam energy generating plant in the United States
- Capacity of producing 1,633 MW of electrical power to serve 1.1 million households
- 1.5 GW capacity available by 2026



## **U.S. GREEN BUILDING COUNCIL:** LEED-certified [Creamery Housing Project](#) in Kalamazoo

- \$14.7 million energy-efficient affordable housing project that achieved LEED Platinum certification
- 36 KW solar system supplying the commercial space, with the roof and structure designed to accommodate up to 75 kW in the future
- Incorporates additional energy-efficient features including air-source heat pumps and zip sheathing



## **ATLANTIC POWER:** [Cadillac Biopower Station](#)

- Commenced operation in 1993, the biomass project uses wood waste as a feedstock to generate electricity
- 38 MW capacity generates enough energy to power 26,000 households
- Energy is sold to Consumers Energy Company through a 25-year power purchase agreement

 **The Business Council**  
for Sustainable Energy®

 **CLEAN ENERGY**  
**BUSINESS NETWORK**

*The Business Council for Sustainable Energy (BCSE) is a coalition of companies and trade associations that deploy clean energy and decarbonization solutions, with a sector focus on energy efficiency, natural gas, and renewable energy. Members include investor-owned utilities, public power, independent power producers, project developers, technology providers, equipment manufacturers, environmental and energy market service companies, and more.*

*BCSE collaborates frequently with its small business division, the Clean Energy Business Network (CEBN), which encompasses a network of more than 8,000 cleantech business and community leaders across all 50 states. Collectively, BCSE and CEBN mobilize the full breadth of the clean energy economy, from innovators and small businesses to industry leaders and the trade associations that represent them.*

# Citations

- 1** 2025 US National Power Demand Study. Conducted by S&P Global Commodity Insights and commissioned by the American Clean Power Association.
- 2** 2025 Sustainable Energy in America Factbook. Conducted by BloombergNEF and commissioned by the Business Council for Sustainable Energy.
- 3** U.S. Energy Information Administration Electricity Data Browser.
- 4** Electricity Rates by State. Conducted by Choose Energy (2025).
- 5** 2025 State Energy Efficiency Scorecard. Conducted by the American Council for an Energy-Efficiency Economy.
- 6** Clean Investment Monitor. Conducted by MIT and Rhodium Group.
- 7** Clean Power State by State. Conducted by the American Clean Power Association.
- 8** U.S. Energy Information Administration. Michigan State Profile and Energy Estimates.
- 9** United States Energy & Employment Report 2025. Conducted by the U.S. Department of Energy.

