

Energy Solutions to Meet Growth in Massachusetts



179,008 energy workers statewide

Nearly 5% of state employment



\$4.6B in capital expenditure invested

in energy and manufacturing projects since Q2 2022



Natural gas + renewables = 99%

of Massachusetts' power generation



\$18.8M 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.¹

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.²

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 Massachusetts – and policy solutions to meet growing energy demand.

Energy Policy Solutions in Massachusetts

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 Massachusetts 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, in keeping with Massachusetts' biodiversity goals, to enable build-out of efficient energy infrastructure and buildings that safeguard people and nature.
- Funding **research, development, demonstration, and deployment (RDD&D)** of energy and carbon management technologies, to support Massachusetts' innovation in these expanding markets.
- Employing market-based tools, like **tax policy**, that create signals to invest and that leverage private sector dollars.



Massachusetts' Expansive Energy Industry

ENERGY PRICES: From May 2024 to May 2025, [average residential energy prices](#) in Massachusetts increased by 4.2%.³ As of June 2025, average residential electrical rates in Massachusetts are [30.37 cents per kWh](#), which are the 3rd highest in the country.⁴

UTILITY EFFICIENCY SPENDING: In 2023, Massachusetts utilities invested \$692 million in [electric efficiency](#).⁵

ENERGY EFFICIENCY ADVANCEMENT: The American Council for an Energy-Efficient Economy ranked Massachusetts [number 2 in the nation](#) for policies and programs to advance energy efficiency in 2025.⁵

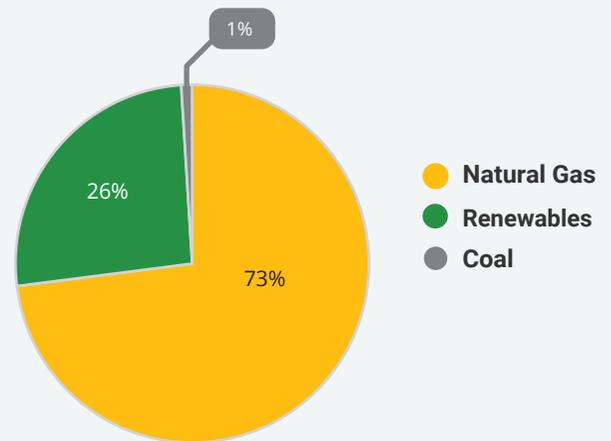
INVESTMENT: [\\$4.6 billion](#) in capital expenditure has been invested in 398 Massachusetts energy and manufacturing projects since Q2 2022.⁶



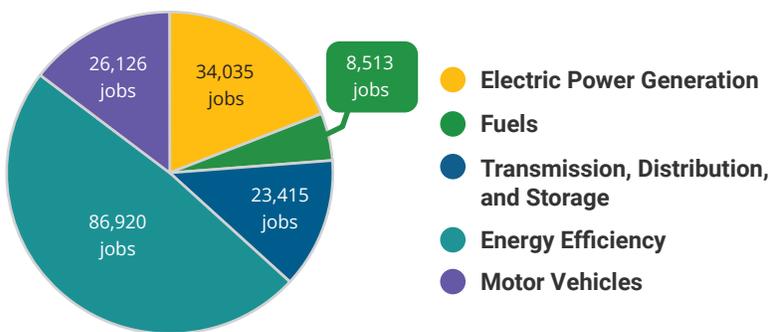
RURAL BENEFIT: Clean power projects provide extra income to farmers, ranchers, and other private landowners. Annually, these drought-proof land lease payments total [\\$18.8 million](#).⁷

GENERATION MIX: Natural gas and renewables provided [99%](#) of [Massachusetts' power generation](#) in 2024, up from 74% a decade ago.²

- Massachusetts' liquefied natural gas terminal received 87% of the nation's [total LNG imports](#) in 2023.⁸
- Renewable energy, including hydropower, provides [26%](#) of [Massachusetts'](#) electricity generation. Solar, wind, biomass, waste-to-energy, geothermal, and hydropower have cumulatively installed more than 2,099 MW of power generation to date.²



JOB: Massachusetts had [179,008 energy workers](#) statewide in 2024, representing 2.1% of all U.S. energy jobs. From 2022 to 2023, energy jobs in the state increased by 4,062 jobs, or 2.3%. The energy sector in Massachusetts represents 4.9% of total state employment.⁹



Energy at Work in Massachusetts



SCHNEIDER ELECTRIC: [Innovation Hub and Labs](#) in Andover

- Showcases solutions for building automation, data centers, industrial automation, and microgrid technologies
- Hub contains 41 labs on site
- Site has installed \$14M worth of Schneider Electric solutions throughout the facility



NATIONAL GRID: [Fault Location Isolation and Service Restoration](#)

- National Grid continues to expand its Fault Location Isolation and Service Restoration (FLISR) capability to enable self-healing networks and improve reliability
- Last year, FLISR technology restored power to more than 86,000 customers within one minute and prevented 14 million minutes of customer outages, allowing businesses to operate smoothly and customers to maintain their daily routines
- National Grid will continue deploying this technology across its network to further enhance service and resilience for all customers



BOOTT HYDROPOWER: [Lowell Project Dam](#) on the Merrimack River

- Installed capacity of 22.635 MW and generates annually an average of 88,530 MWh of power
- This LIHI Certified® run-of-river project produces energy using the natural flow and drop of the river
- Includes upstream fish passage systems and a canal system running through Lowell

 **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. Massachusetts State Profile and Energy Estimates.
- 9 United States Energy & Employment Report 2025. Conducted by the U.S. Department of Energy.

