Energy Solutions to Meet Growth in New York

333,604 energy workers statewide
Over 3% of state employment

$21B in capital expenditure invested
in energy and manufacturing projects since Q2 2022

Natural gas + renewables = 79%
of New York's power generation

$41.3M 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]

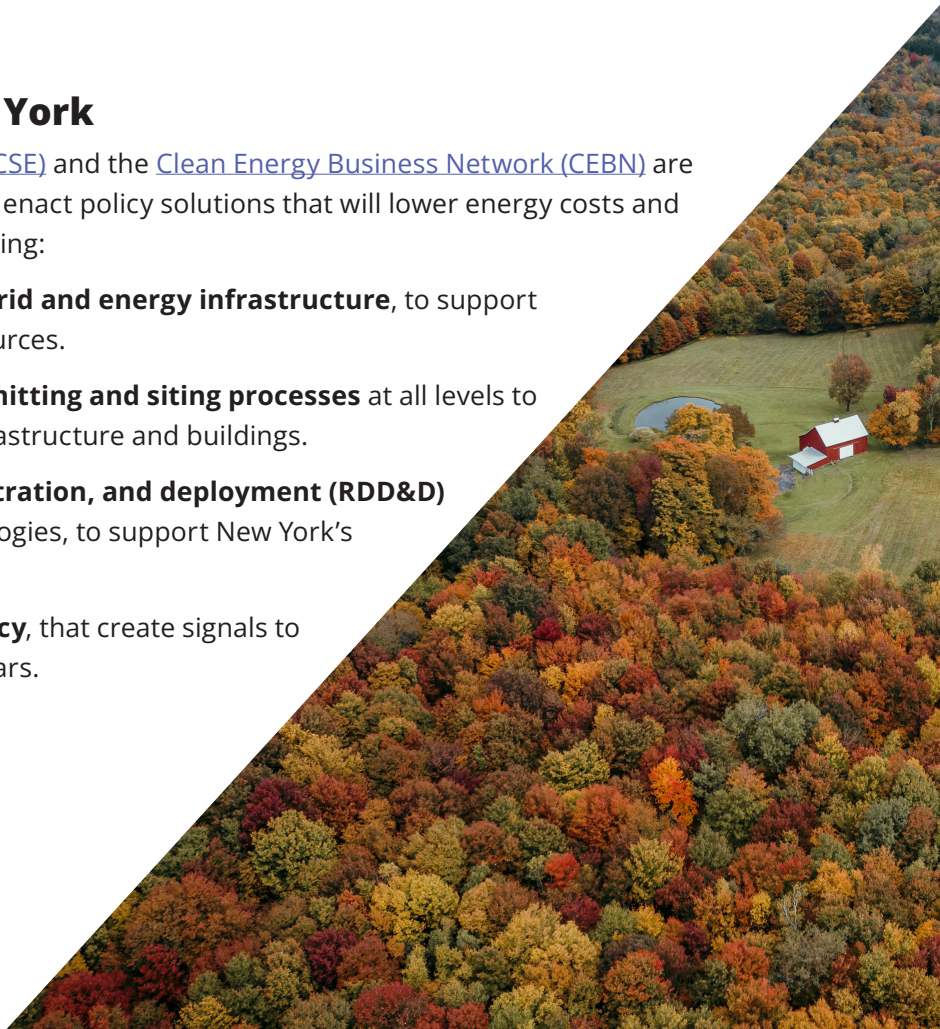
A broad portfolio of energy solutions are ready to meet this demand growth and provide economic benefits for communities across the country. In 2024, the United States deployed $338 billion in financing for energy technologies, including renewable energy, EVs, and power grid investment, up from $303 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 New York – and policy solutions to meet growing energy demand.

Energy Policy Solutions in New York

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 New York 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 New York's innovation in these expanding markets.
- Employing market-based tools, like **tax policy**, that create signals to invest and that leverage private sector dollars.



The Business Council for Sustainable Energy®

CLEAN ENERGY BUSINESS NETWORK

New York's Expansive Energy Industry

ENERGY PRICES: From May 2024 to May 2025, average residential energy prices in New York increased by 13%.[3] As of June 2025, average residential electrical rates in New York are 26.53 cents per kWh, which are the 8th highest in the country.[4]

UTILITY EFFICIENCY SPENDING: In 2023, New York utilities invested $746 million in electric efficiency.[5]

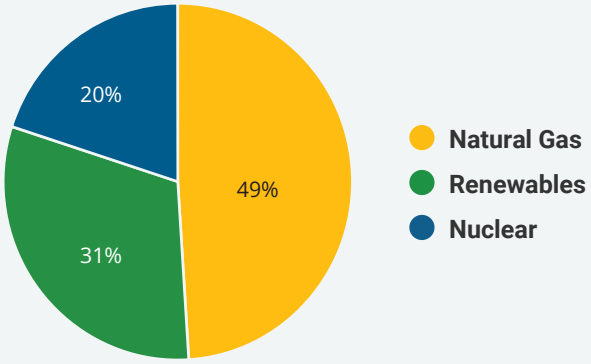
ENERGY EFFICIENCY ADVANCEMENT: The American Council for an Energy-Efficient Economy ranked New York number 3 in the nation for policies and programs to advance energy efficiency in 2025.[5]

INVESTMENT: $21 billion in capital expenditure has been invested in 774 New York energy and manufacturing projects since Q2 2022.[6]

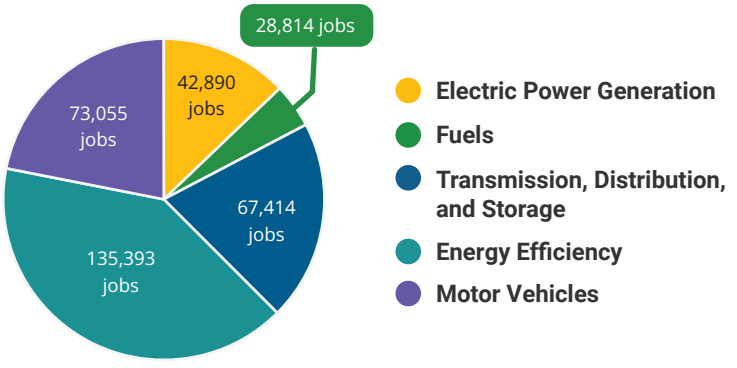
RURAL BENEFIT: Clean power projects provide extra income to farmers, ranchers, and other private landowners. Annually, these drought-proof land lease payments total $41.3 million.[7]

GENERATION MIX: Natural gas and renewables provided 79% of New York's power generation in 2024, up from 64% a decade ago.[2]

- New York ranked third among the states for generating the most electricity from renewables in 2023.[8]
- Renewable energy, including hydropower, provides 31% of New York's electricity generation. Solar, wind, biomass, waste-to-energy, geothermal, and hydropower have cumulatively installed more than 10,489 MW of power generation to date.[2]



JOBS: New York had 333,604 energy workers statewide in 2024, representing 3.9% of all U.S. energy jobs. From 2023 to 2024, energy jobs in the state increased by 7,911 jobs, or 2.4%. The energy sector in New York represents 3.4% of total state employment.[9]



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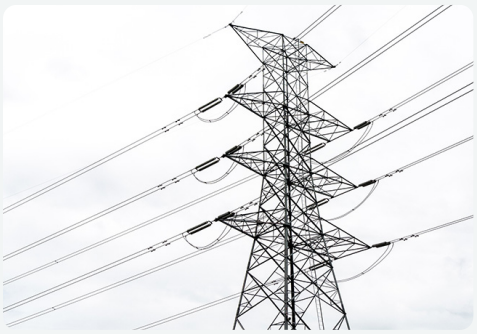
Energy at Work in New York

WAGA ENERGY: Renewable Biogas Facility in Steuben County

- The WAGABOX facility marks the first of its kind in the United States
- Facility transforms gas from the county landfill into pipeline-quality RNG
- Produces up to 207,000 MMBtu of gas annually, enough to heat more than 4,000 homes



NATIONAL GRID: Upstate Upgrade Transmission Projects in New York

- The initiative invests more than $4 billion in more than 70 projects through 2030
- Building more than 1,000 miles of transmission line, 45 substations, and installing new technologies that prevent load loss, monitor load fluctuations, and resolve congestion
- Will generate thousands of new jobs and more than a billion dollars in additional economic growth

ELECTROVAYA, INC.: Lithium-Ion Battery Gigafactory in Jamestown

- New battery system assembly factory will manufacture lithium-ion cells and battery systems and is scheduled to begin commercial shipments by 2026
- Supporting more than new 250 jobs
- Powered by 100 MWh renewable energy from Niagara Falls

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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

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