

# US Green Economy Report Series

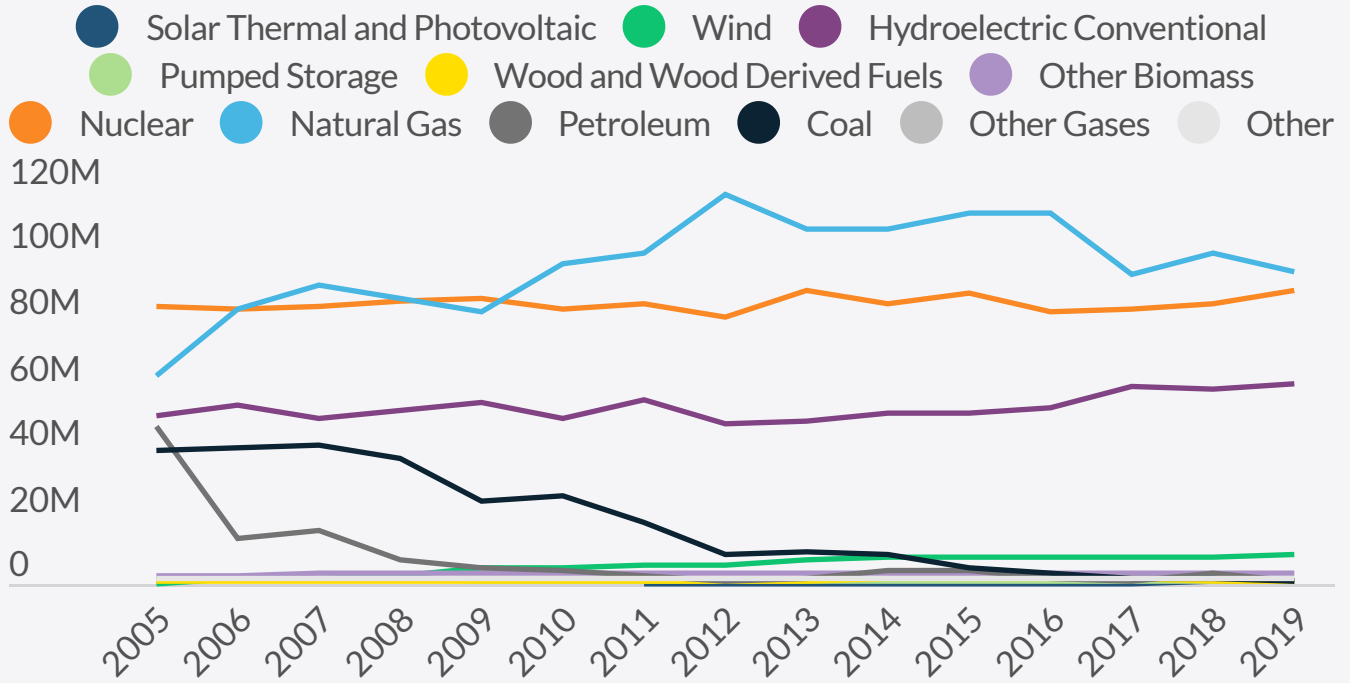
## Case Study - New York

In 2019, New York cemented its status as a climate leader by passing the Climate Leadership and Community Protection Act, which established some of the country's most ambitious climate targets, such as an 85 percent cut in GHG emissions by 2050, 100 percent carbon-free electricity by 2040, and 70 percent renewable energy by 2030. It also established targets for solar, offshore wind and energy storage. New York first established a Renewable Portfolio Standard in 2004 and has increasingly raised its ambition since then. The state is a member of the US Climate Alliance, which was co-founded by Democratic New York Governor Andrew Cuomo. The state is also a member of the Zero Emissions Vehicle Alliance, and New York City is a member of C40, a global coalition of cities committed to climate action. Green finance is a growing part of the economy, with the New York Green Bank working with private-sector actors on clean energy projects with \$1.1 billion investment so far. The Democrat-controlled New York State legislature and governorship will likely continue to prioritise funding and implementing climate initiatives in the coming years.

### NEAR-TERM OPPORTUNITIES: STATE OUTLOOK BY TECHNOLOGY

Technology	Overview	Outlook
Offshore Wind	New York set an ambitious goal of 3,000 MW of offshore wind capacity by 2025 and 9,000 MW by 2035.	
Green Consultancy	New York has 4,170 environmental consultants and a strong outlook for renewable energy growth.	
Electric Vehicles	New York ranks 2nd nationally according to the ACEEE EV Scorecard and a goal of having 850,000 EVs on the road by 2025.	
Energy Efficiency	New York ranks 5th nationally on ACEEE's 2020 State Energy Efficiency Scorecard and strong supportive policies.	
Grid Modernisation	New York ranks 7th in the 2018 Grid Modernization Index and leads across many grid improvement criteria.	
Energy Storage	New York currently has 1,442.4 MW of energy storage and aims for 1,500 MW by 2025 and 3,000 GW by 2030.	
Waste To Energy	New York is ranked 7th for biogas production potential but has a moderate outlook for growth.	
Hydrogen	New York has programmes in place that support moderate growth in hydrogen fueling infrastructure.	
CCUS	New York's geography is conducive to carbon storage but it has no incentives or policies.	

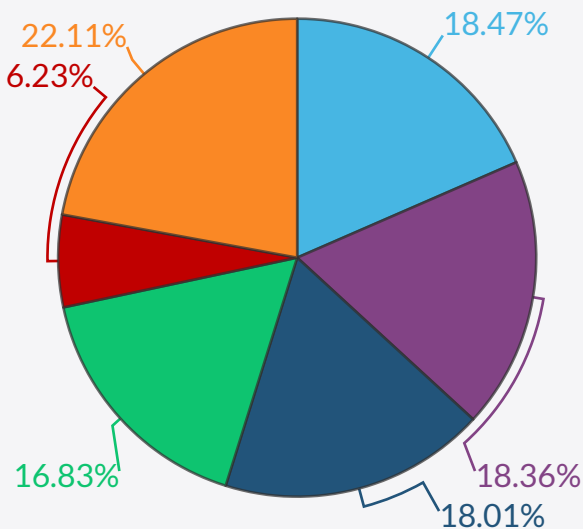
## ELECTRICITY GENERATION BY SOURCE IN MW (EIA)



## CLEAN ENERGY JOBS

### Top Five Sectors (2019)

- Transmission and Distribution
- Energy Star and Lighting
- Renewable Heating and Cooling
- HVAC
- Solar
- Other



## 2021 - 2025 JOBS PROJECTIONS

### Full-Time Employee (FTE) Adds



28,847-30,353

Energy Efficiency FTEs Added



5,664-12,146

Energy Storage FTEs Added



5,217

Clean Vehicles FTEs Added



5,871-10,900

Offshore Wind FTEs Added

**204,363** clean energy jobs (2019), **2.11%** of total state jobs