

US Green Economy Report Series

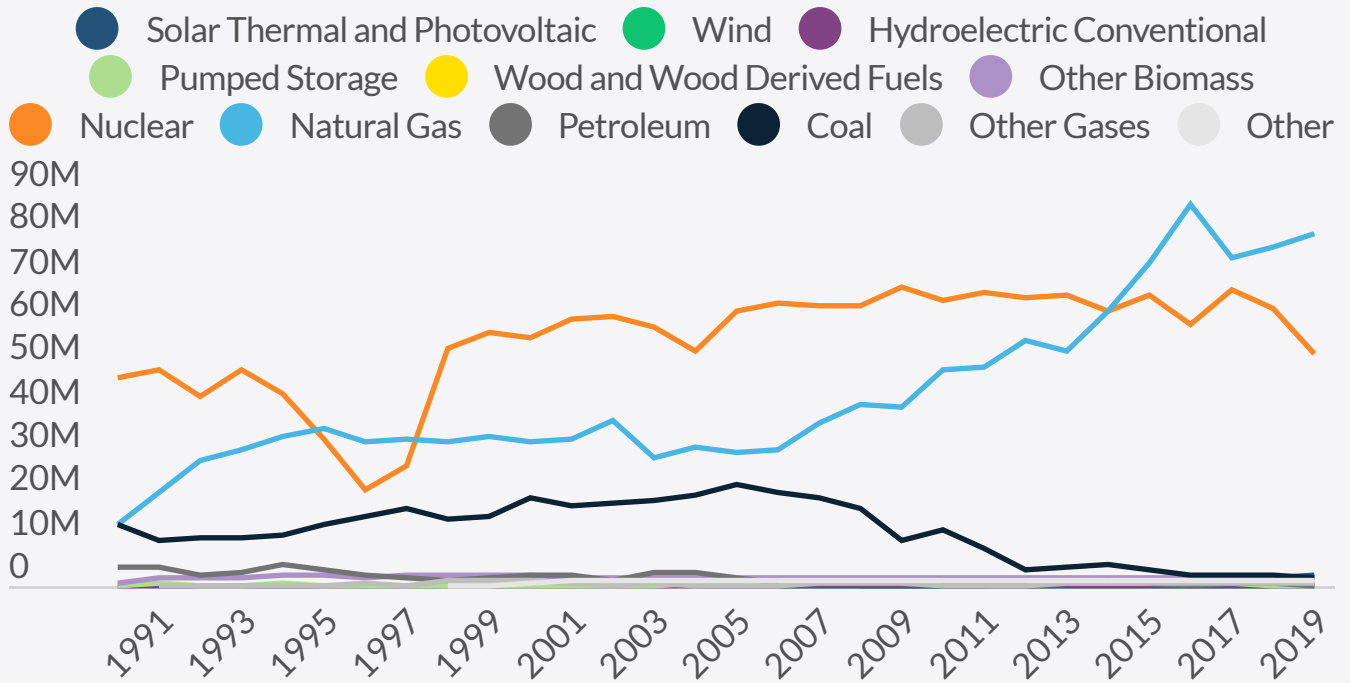
Case Study - New Jersey

New Jersey has devoted significant attention to renewable energy and adaptation in recent years as a result of Democratic Governor Phil Murphy’s leadership and the state's vulnerability to climate threats, particularly flooding and coastal erosion. The state has established an emissions target of 80 percent below 2006 levels by 2050 and a 50 percent renewable target by 2030. Governor Murphy also signed an executive order that mandates the state reach 100 percent clean energy by 2050. New Jersey's solar industry has grown rapidly, and it now ranks seventh in the country in installed solar photovoltaic capacity. The state has large potential in offshore wind, mandating 7,500 MW by 2035. Motivated by the destruction of its coast by Superstorm Sandy in 2012, New Jersey invested in climate resilience and adaptation initiatives, including coastal infrastructure projects in partnership with the US Army Corps of Engineers. New Jersey is a member of the US Climate Alliance and was a founding member of the Regional Greenhouse Gas Initiative (RGGI) in 2005. Under Democratic leadership, New Jersey's state government will likely continue to pass climate-related actions and invest in green economy projects in the short- to medium-term.

NEAR-TERM OPPORTUNITIES: STATE OUTLOOK BY TECHNOLOGY

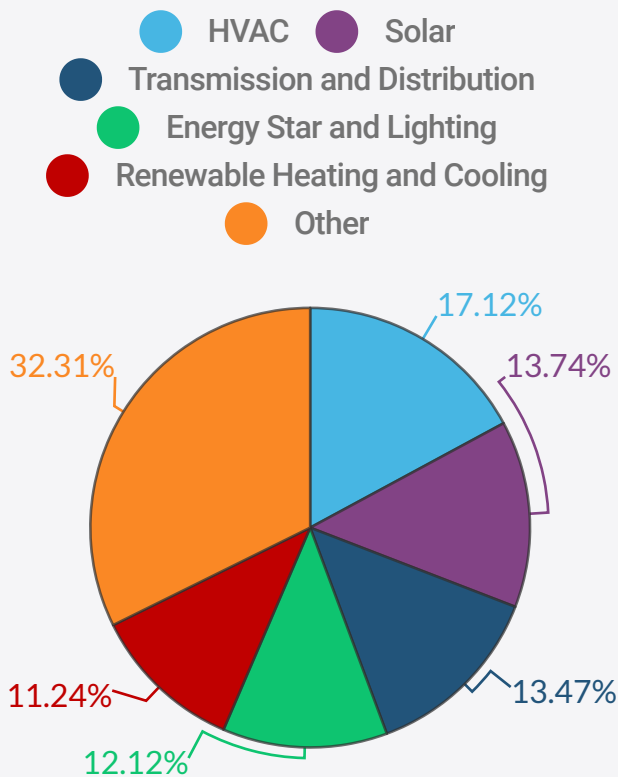
Technology	Overview	Outlook
Offshore Wind	New Jersey has an offshore wind target of 7,500 MW by 2035.	
Green Consultancy	New Jersey has 2,790 environmental consultants and has a moderate growth outlook.	
Electric Vehicles	New Jersey ranks 10th nationally on the ACEEE EV Scorecard and provides numerous financial incentives for EVs.	
Energy Efficiency	New Jersey ranks 17th nationally on ACEEE’s 2020 State Energy Efficiency Scorecard and should see moderate growth.	
Grid Modernisation	The 2020 New Jersey Energy Master Plan has galvanized major grid investments from the state’s largest utilities.	
Energy Storage	New Jersey has 462 MW of storage and 2,000MW target for 2030.	
Waste To Energy	New Jersey ranks 30th nationally for biogas production potential and a moderate outlook for growth.	
Hydrogen	Hydrogen vehicles are included in the state's laws and incentives but it lacks infrastructure.	
CCUS	New Jersey has no incentives for CCUS and lacks geography for storage.	

ELECTRICITY GENERATION BY SOURCE IN MW (EIA)



CLEAN ENERGY JOBS

Top Five Sectors (2019)



2021 - 2025 JOBS PROJECTIONS

Full-Time Employee (FTE) Adds



12,758-15,839

Energy Efficiency FTEs Added



162-6,051

Energy Storage FTEs Added



2,690

Clean Vehicles FTEs Added



11,577-23,657

Wind FTEs Added

67,963 clean energy jobs (2019), **1.62%** of total state jobs