

# US Green Economy Report Series

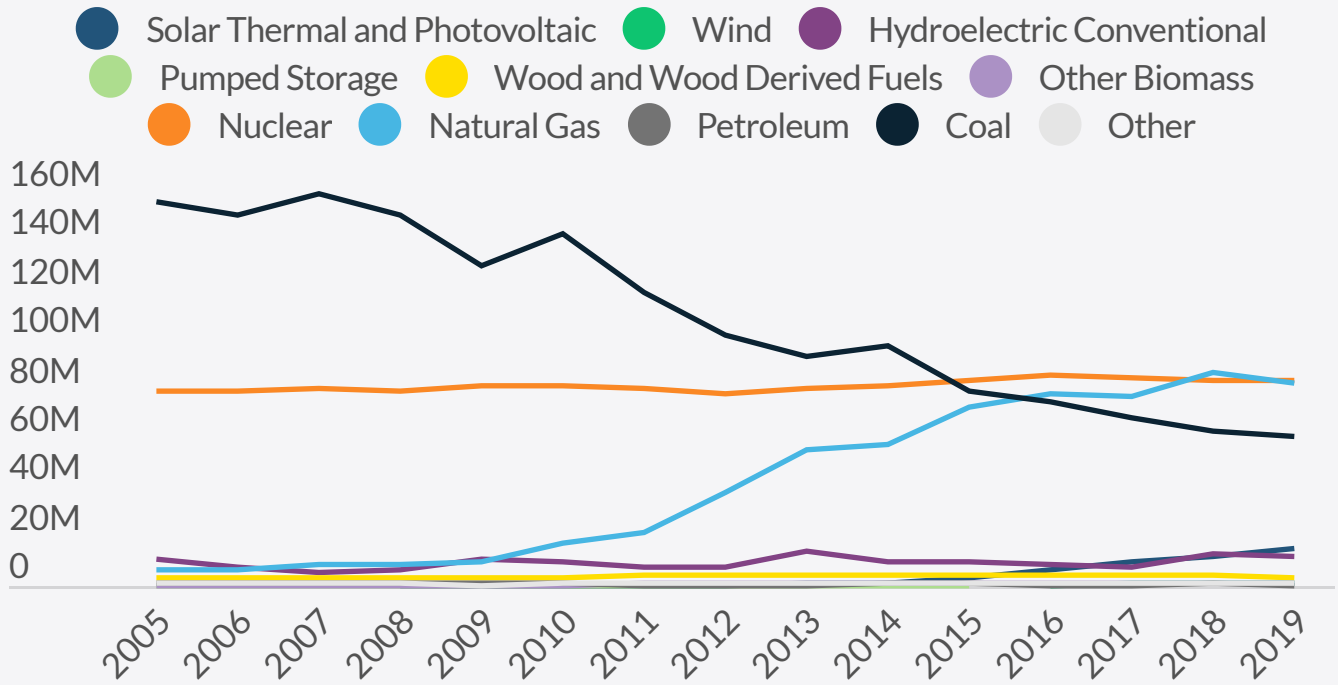
## Case Study - North Carolina

North Carolina's climate action has accelerated in recent years, thanks in large part to Democratic Governor Roy Cooper's 2018 executive order. The order established a GHG emission target of 40 percent below 2005 levels by 2025 and required state agencies to formulate plans to meet this goal and coordinate action. Moreover, the executive order set up comprehensive efforts to assess risks such as sea-level rises, aging infrastructure and other vulnerabilities to boost the state's adaptation measures. As a result of state action over the past decade, solar capacity has increased significantly, making the state third in the country in 2020. Nuclear remains the dominant source of electricity generation, but renewables (including hydropower) account for 14 percent. Although North Carolina has made progress in integrating renewables, the future of climate action faces risks from the state's Republican legislature. North Carolina is a member of the US Climate Alliance, and cities in North Carolina are taking action to reduce their carbon footprint.

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

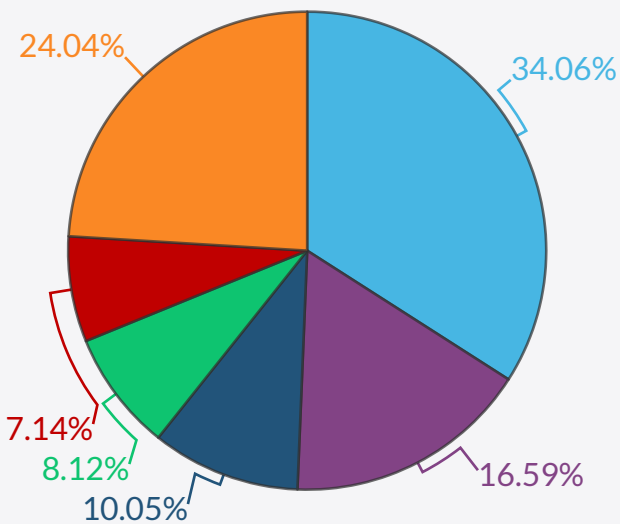
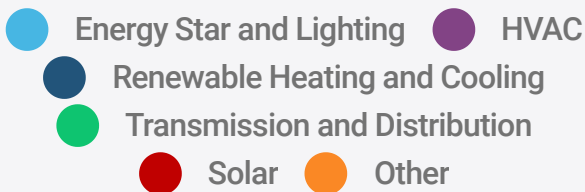
Technology	Overview	Outlook
Offshore Wind	North Carolina has significant offshore wind energy potential but limited policy support.	
Green Consultancy	North Carolina has 3,730 environmental consultants and a moderate growth outlook for renewable energy.	
Electric Vehicles	North Carolina ranks 19th nationally on the ACEEE EV Scorecard and a lack state incentives to buy EVs.	
Energy Efficiency	North Carolina ranks 27th nationally on ACEEE's 2020 State Energy Efficiency Scorecard.	
Grid Modernisation	North Carolina ranks 23rd in the 2018 Grid Modernization Index and moderate outlook for growth.	
Energy Storage	North Carolina has demonstrated limited efforts to stimulate energy storage growth.	
Waste To Energy	North Carolina is ranked 3rd for biogas production potential and exempts alternative fuels from state taxes.	
Hydrogen	North Carolina has no incentives for the purchase or lease of hydrogen-fuelled vehicles.	
CCUS	North Carolina has no policies to encourage the development of carbon capture projects.	

## ELECTRICITY GENERATION BY SOURCE IN MW (EIA)



## CLEAN ENERGY JOBS

### Top Five Sectors (2019)



## 2021 - 2025 JOBS PROJECTIONS

### Full-Time Employee (FTE) Adds



**11,634-19,467**

Energy Efficiency FTEs Added



**75-2,193**

Energy Storage FTEs Added



**4,607**

Clean Vehicles FTEs Added

**125,146** clean energy jobs (2019), **2.76%** of total state jobs