

# US Green Economy Report Series

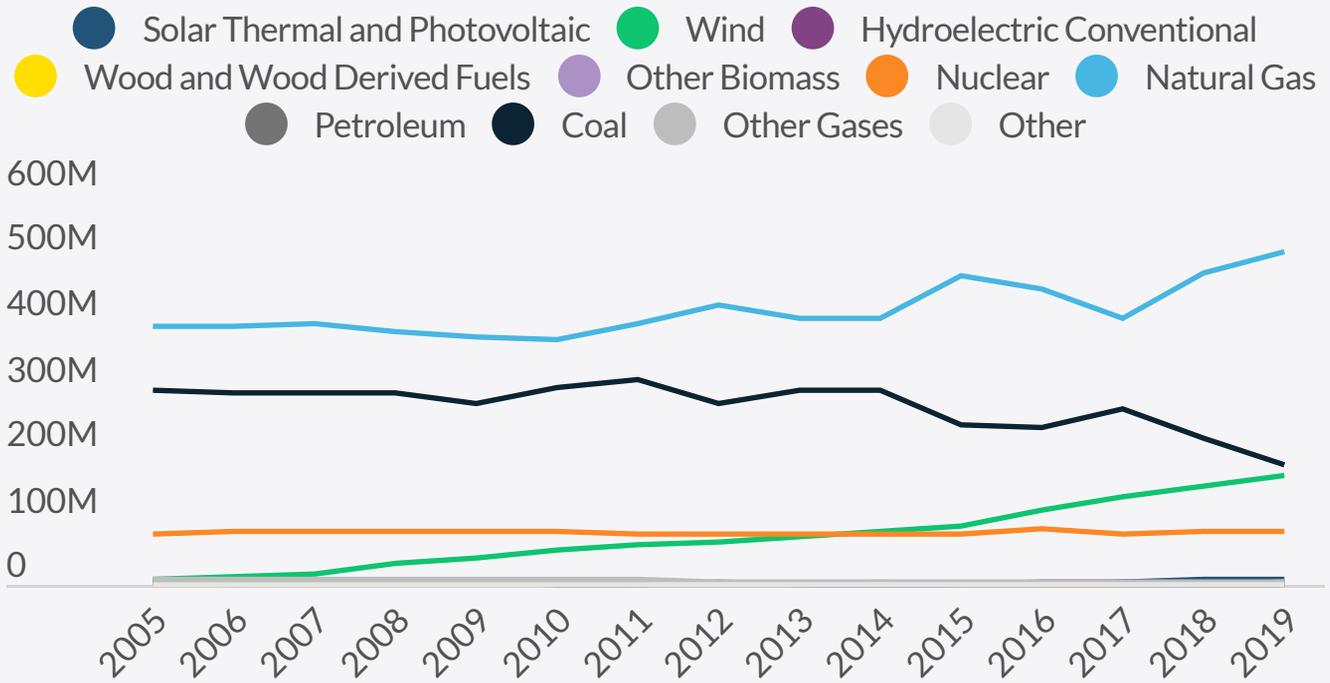
## Case Study - Texas

The oil and gas sectors form a large portion of the Texas economy but the state has seen sharp increases in renewables this past decade. Texas has already surpassed its 1999 Renewable Portfolio Standard targeting 10,000 MW renewable production by 2025. Spurred by this goal and the state's geography, Texas has constructed transmission lines to connect the rural high wind potential Panhandle with cities in the east of the state. While there has been limited climate policy at the state level, major and mid-sized cities have acted. Denton and Georgetown, two mid-sized cities, have committed to sourcing 100 percent of their electricity from renewables. Four of Texas' five largest cities—Austin, Dallas, Houston, and San Antonio—have recently announced new or strengthened climate plans that aim to achieve carbon neutrality by 2050 or, in Austin's case, 2040. Cities such as Austin, Houston, Dallas and El Paso have also put forward plans to deal with floods, address poor air quality and support communities most vulnerable to climate threats. With the state dominated by Republicans and the fossil fuel industry, it has remained out of regional and national climate initiatives.

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

Technology	Overview	Outlook
Offshore Wind	Low power prices and hurricane weather have delayed offshore wind in Texas.	
Green Consultancy	Texas has 4,260 environmental consultants and the high potential for more renewable energy provides a strong outlook.	
Electric Vehicles	Texas ranks 27th nationally according to the ACEEE EV Scorecard with city and utility incentives providing modest growth.	
Energy Efficiency	Texas is ranked 29th on ACEEE's 2020 State Energy Efficiency Scorecard and modest financial incentives to support the sector.	
Grid Modernisation	Texas, the only state with an independent grid, ranks 6th nationally in the 2018 Grid Modernization Index.	
Energy Storage	Texas has 141.2 MW of energy storage and has demonstrated some moderate efforts to stimulate growth.	
Waste To Energy	Texas is ranked 2nd for biogas production potential and two percent of its renewable electricity comes from biomass.	
Hydrogen	Texas is the country's leader in hydrogen production, which is required for its sizeable oil and gas industry.	
CCUS	Texas has no incentives to stimulate CCUS but it has significant potential due to its fossil fuel industry.	

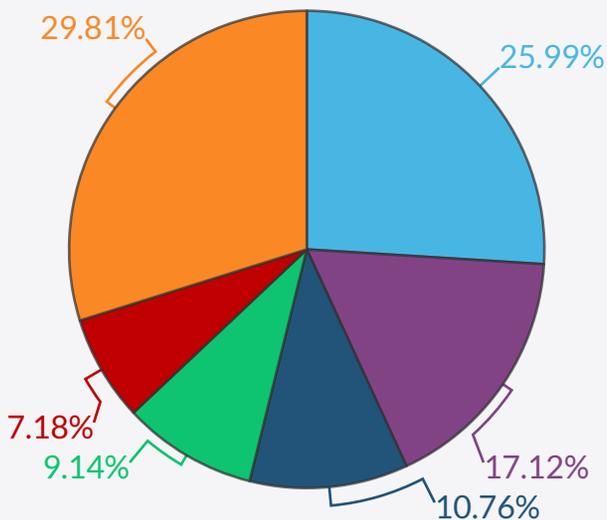
# ELECTRICITY GENERATION BY SOURCE IN MW (EIA)



## CLEAN ENERGY JOBS

### Top Five Sectors (2019)

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



## 2021 - 2025 JOBS PROJECTIONS

### Full-Time Employee (FTE) Adds



44,059-60,547

Energy Efficiency FTEs Added



8,022-35,967

Energy Storage FTEs Added



10,526

Clean Vehicles FTEs Added

**355,402** clean energy jobs (2019), **2.82%** of total state jobs