

US Green Economy Report Series

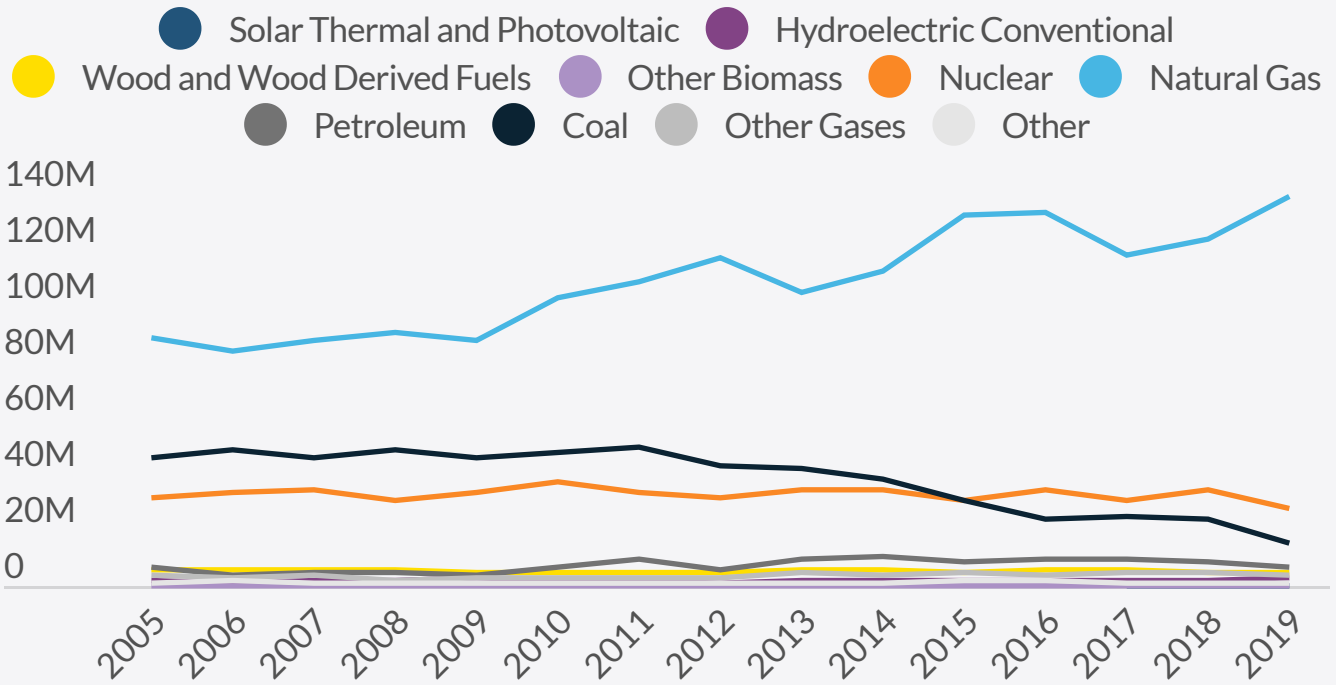
Case Study - Louisiana

Governor John Bel Edwards, signed two executive orders in August 2020 to address climate change. The first set the state's emission-reduction targets at 28 percent by 2025, 50 percent by 2030 and net-zero by 2050. A task force is putting together a long-term climate strategy to plan how to meet these goals, which will be finalised by February 2022. The second executive order focused specifically on the state, which is hit annually by destructive climate-related natural disasters, increasing its actions on adaptation and resilience. Despite the executive orders, the state will likely have difficulty implementing its strategies and increasing funding and incentives for climate-related projects as Republicans hold majorities in both chambers of the legislature. Moreover, Democratic Governor Edwards' second term will end before the 2025 target, and the state's economy is heavily reliant on the fossil fuel industry. Natural gas provides the majority of electricity generation and Governor Edwards hopes to work with the industry to voluntarily reduce emissions as he sees climate as an urgent issue since the state ranks in the top five in emissions despite ranking 25th in population.

NEAR-TERM OPPORTUNITIES: STATE OUTLOOK BY TECHNOLOGY

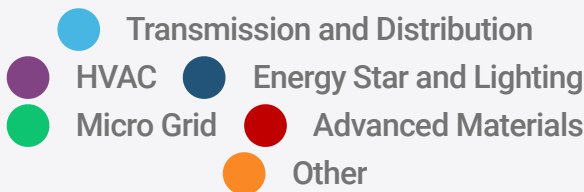
| Technology | Overview | Outlook |
|--------------------|---|---------|
| Offshore Wind | Low power prices and hurricane weather have delayed affordable offshore wind in Louisiana. | |
| Green Consultancy | Louisiana has 1,110 environmental consultants and is promised moderate growth in line with its renewable energy potential. | |
| Electric Vehicles | Louisiana is unranked in the ACEEE EV Scorecard indicating the state's very low level of progress. | |
| Energy Efficiency | Louisiana is ranked 45th on ACEEE's 2020 State Energy Efficiency Scorecard with limited effort to improve the sector. | |
| Grid Modernisation | Louisiana ranks 32nd in the 2018 Grid Modernization Index and should see weak growth with limited policy support. | |
| Energy Storage | Louisiana has 0.5 MW of energy storage and has demonstrated some efforts to stimulate growth. | |
| Waste To Energy | Louisiana ranks 38th nationally for biogas production potential but offers tax credits and incentives for clean vehicles and fuels. | |
| Hydrogen | Louisiana doesn't regulate or incentivise hydrogen, but can produce 118 million cubic feet per day due to its oil industry. | |
| CCUS | Louisiana has 61 CCUS facilities and has lobbied the EPA to expedite permitting processes. | |

ELECTRICITY GENERATION BY SOURCE IN MW (EIA)



CLEAN ENERGY JOBS

Top Five Sectors (2019)



2021 - 2025 JOBS PROJECTIONS

Full-Time Employee (FTE) Adds



6,465-15,900

Energy Efficiency FTEs Added



0-250

Energy Storage FTEs Added



1,086

Clean Vehicles FTEs Added

54,718 clean energy jobs (2019), **2.85%** of total state jobs