

US Green Economy Report Series

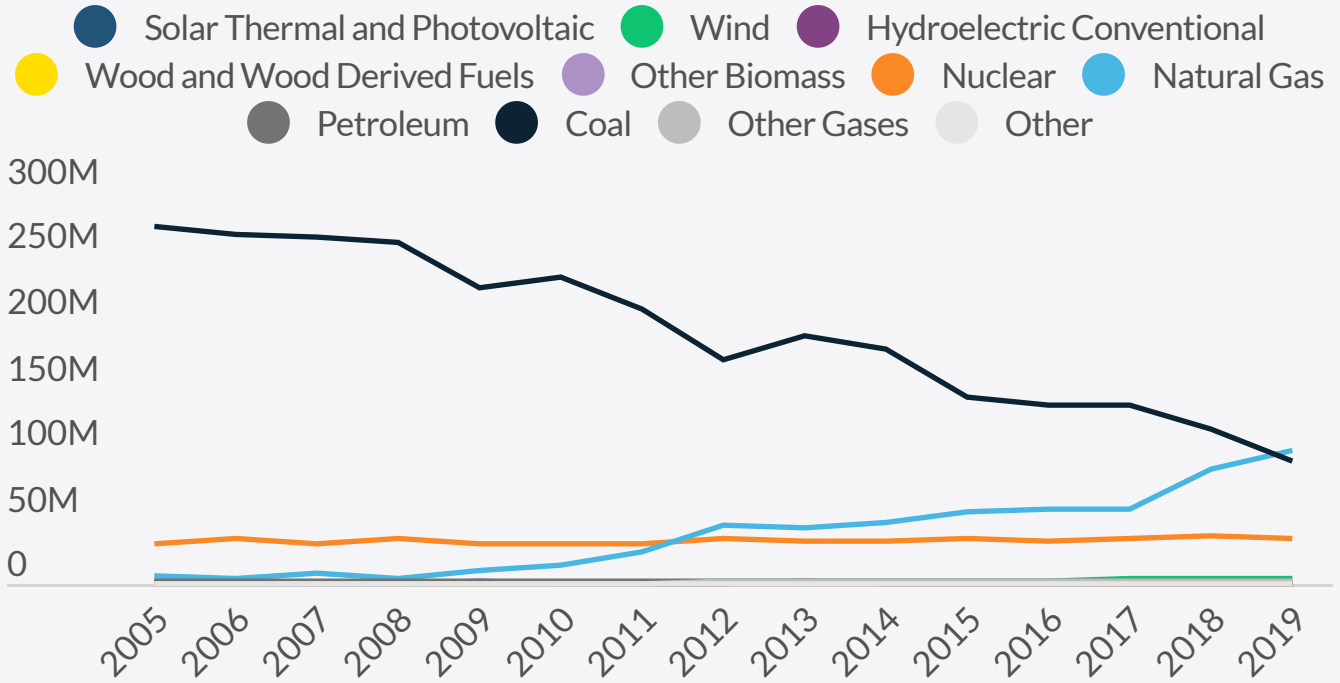
Case Study - Ohio

Ohio has scaled back its climate ambitions in recent years. In 2019, the state revised its renewable target to just 8.5 percent (down from 12.5 percent) of electricity generation by 2026. Signed into law by Republican Governor Mike DeWine and the state legislature, this move supports the state's major utilities, which own nuclear and coal generation. Beyond coal and nuclear, Ohio has rapidly increased its natural gas production in the Utica Shale formation and also has a number of crude oil refineries. Ohio's main venture into the renewable space has been in ethanol production, for which it is ranked 8th in the United States. Renewables and the overall green economy will likely see only modest growth in the coming years. However, there has been action at the city level. For instance, Columbus, Cincinnati, Cleveland and others have launched climate programmes to reduce emissions, grow the green economy and establish sustainable practices.

NEAR-TERM OPPORTUNITIES: STATE OUTLOOK BY TECHNOLOGY

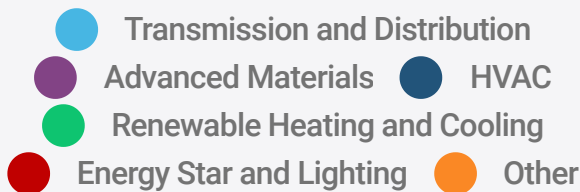
Technology	Overview	Outlook
Offshore Wind	Ohio has supported offshore wind development but faces economic and geographic hurdles.	
Green Consultancy	Ohio has 2,277 environmental consultants is promised average growth based on renewable energy potential.	
Electric Vehicles	Ohio is unranked according to the ACEEE EV Scorecard, indicating low level of progress	
Energy Efficiency	Ohio ranks 37th on ACEEE's 2020 State Energy Efficiency Scorecard but limited state policies specific to energy efficiency.	
Grid Modernisation	Ohio ranks 18th nationally in the 2018 Grid Modernization Index and has moderate investment from the state and utilities.	
Energy Storage	Ohio has 33 MW of energy storage and has demonstrated limited effort to stimulate growth.	
Waste To Energy	Ohio is ranked 12th for biogas production potential and 20% of renewable electricity is from biomass.	
Hydrogen	Ohio is a hub for research and development for both hydrogen fuel cells and for electric power.	
CCUS	Ohio is a leader in regional initiatives and technology development for CCUS.	

ELECTRICITY GENERATION BY SOURCE IN MW (EIA)



CLEAN ENERGY JOBS

Top Five Sectors (2019)



2021 - 2025 JOBS PROJECTIONS

Full-Time Employee (FTE) Adds



8,433-27,811

Energy Efficiency FTEs Added



2,215

Energy Storage FTEs Added



9,722

Clean Vehicles FTEs Added

138,697 clean energy jobs (2019), **2.53%** of total state jobs