

US Green Economy Report Series

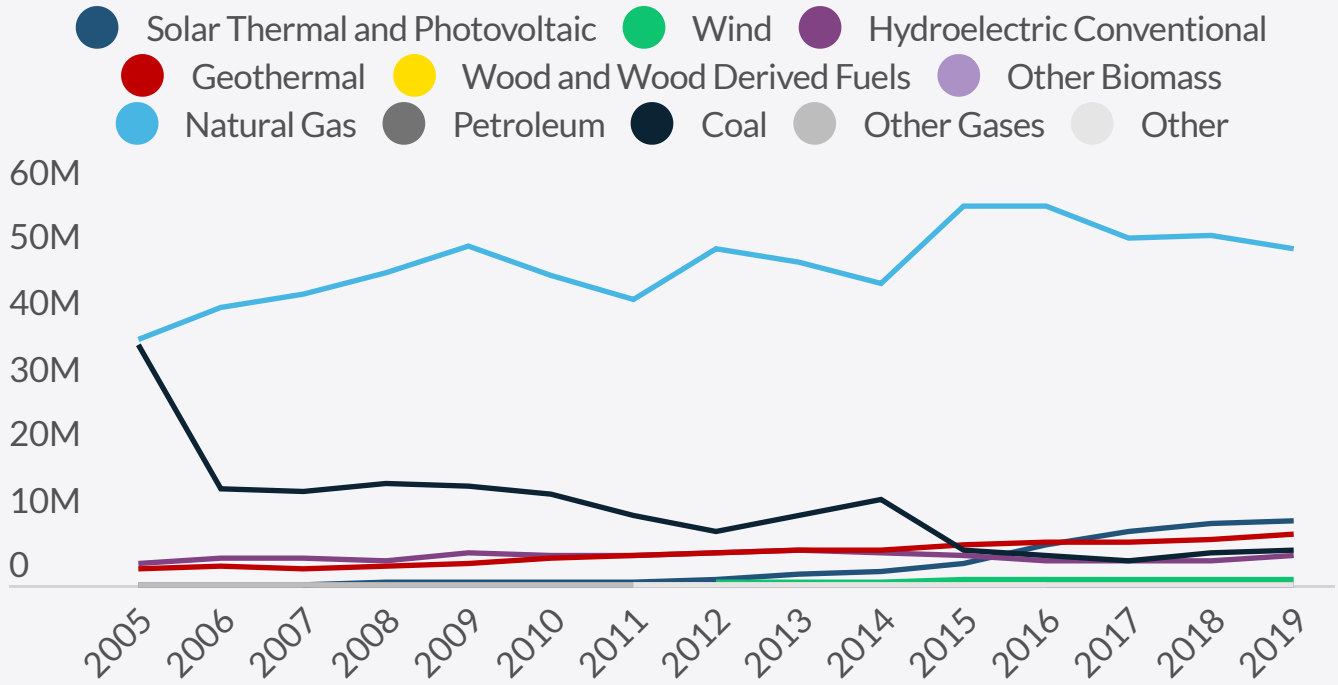
Case Study - Nevada

Nevada has considerably strengthened its climate commitments in recent years. In 2019, Governor Sisolak signed a number of pieces of climate legislation that increased the state's renewable targets, laying the groundwork to reach emissions reduction targets of 45 percent below 2005 levels by 2030 and net-zero by 2050. Nevada, which first established a clean energy portfolio standard in 1997, is aiming for 50 percent renewables in its electricity sector by 2030 and 100 percent clean electricity by 2050. About a quarter of the state's generation is from renewables. Nevada's desert geography gives it the largest solar potential in the country, and it already houses large-scale solar thermal and solar PV projects. Although very dry, the state garners around 5 percent of its electricity from hydroelectric power facilities such as the Hoover Dam. Along with its vast potential from renewables, the state's politics are favourable for implementing its climate agenda as the state's legislature is currently controlled by Democrats. Nevada recently joined the Under2 Coalition, a group of state and regional governments that have aligned their commitments with the Paris Agreement.

NEAR-TERM OPPORTUNITIES: STATE OUTLOOK BY TECHNOLOGY

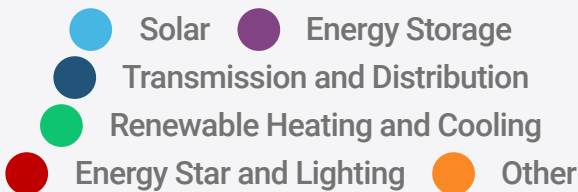
Technology	Overview	Outlook
Green Consultancy	In Nevada, the vast potential for renewables boosts outlook for green consultants.	
Electric Vehicles	Nevada ranks 14th nationally on the ACEEE EV Scorecard and annual percentage of sales of zero emission vehicles must increase.	
Energy Efficiency	Nevada is ranked 21st on ACEEE's 2020 State Energy Efficiency Scorecard and has moderate policies in place.	
Grid Modernisation	Nevada ranks joint-8th in the 2018 Grid Modernization Index and has significant funding for more improvements proposed.	
Energy Storage	Nevada currently has no energy storage but has proposals for strong near-term growth under consideration.	
Waste To Energy	Nevada is ranked 41st for biogas production potential and lacks significant biomass capacity.	
Hydrogen	Nevada has several large-scale planned hydrogen projects under development.	
CCUS	Nevada has no policies or incentives 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



5,290-6,224

Energy Efficiency FTEs Added



7,116-14,949

Energy Storage FTEs Added



886

Clean Vehicles FTEs Added

38,857 clean energy jobs (2019), **2.76%** of total state jobs