Energy Employment by State: 2021

ENERGY.GOV/USEER

United States Energy & Employment Report

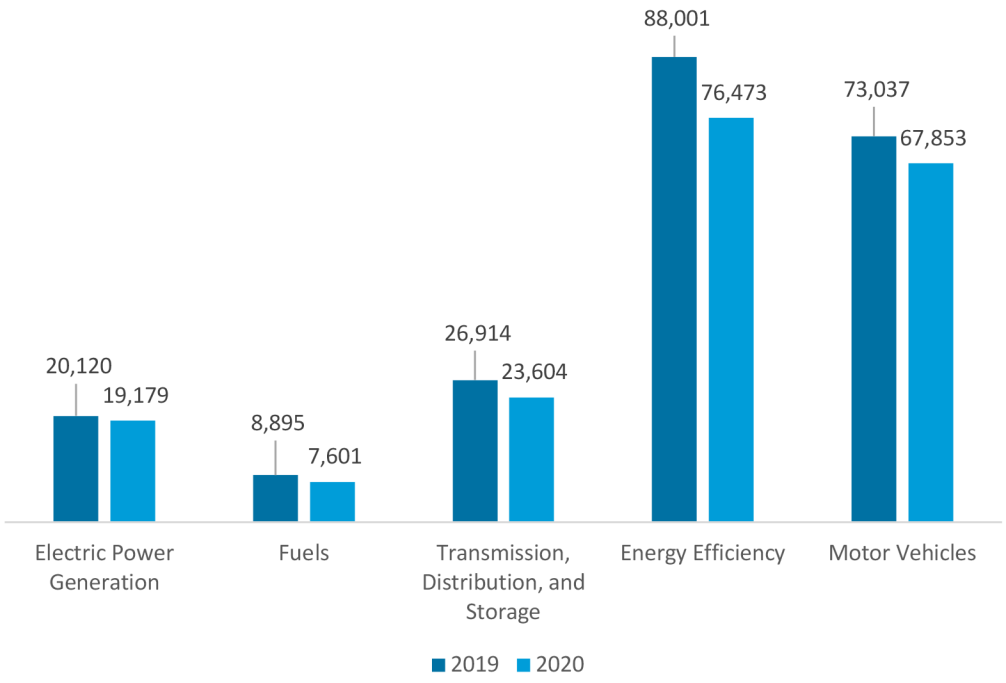
North Carolina

ENERGY AND EMPLOYMENT — 2021

Overview

North Carolina has a low concentration of energy employment, with 50,384 Energy workers statewide (representing 1.6 percent of all U.S. Energy jobs). Of these Energy workers, 19,179 are in Electric Power Generation, 7,601 are in Fuels, and 23,604 are in Transmission, Distribution, and Storage. The Energy sector in North Carolina is 1.4 percent of total state employment (compared to 2.6 percent of national employment). North Carolina has an additional 76,473 jobs in Energy Efficiency (3.6 percent of all U.S. Energy Efficiency jobs) and 67,853 jobs in Motor Vehicles (2.9 percent of all U.S. Motor Vehicle jobs). The median wage for all energy workers in North Carolina is $24.20, which is 26 percent above the national median wage of $19.14.

Figure NC-1.
Employment by Major Energy Technology Application



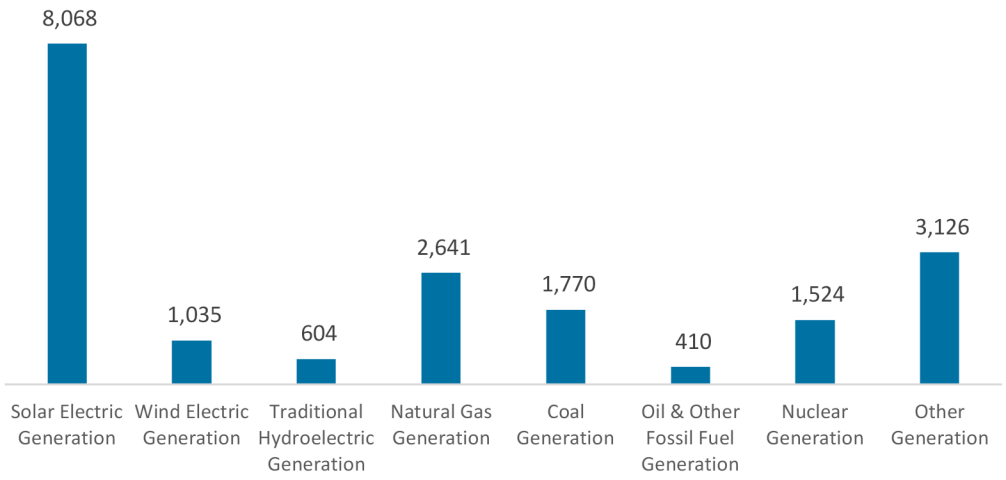
Overall, Energy jobs declined by 9.9 percent since the 2020 report, decreasing by 5,545 jobs over the period. Energy Efficiency jobs lost 11,528 jobs (-13.1 percent) and motor vehicles lost 5,185 jobs (-7.1 percent).

Breakdown by Technology Applications

Electric Power Generation

Electric Power Generation employs 19,179 workers in North Carolina, 2.3 percent of the national total and losing 942 jobs over the past year (-4.7 percent). Solar makes up the largest segment of employment related to Electric Power Generation, with 8,068 jobs (down 9.7 percent, followed by traditional fossil fuel generation at 4,822 jobs (down 8.0 percent).

Figure NC-2.
Electric Power Generation Employment by Detailed Technology Application



Professional and business services are the largest industry sector in Electric Power Generation, with 31.3 percent of jobs. Construction is next with 28.4 percent.

Figure NC-3.
Electric Power Generation Employment by Industry Sector