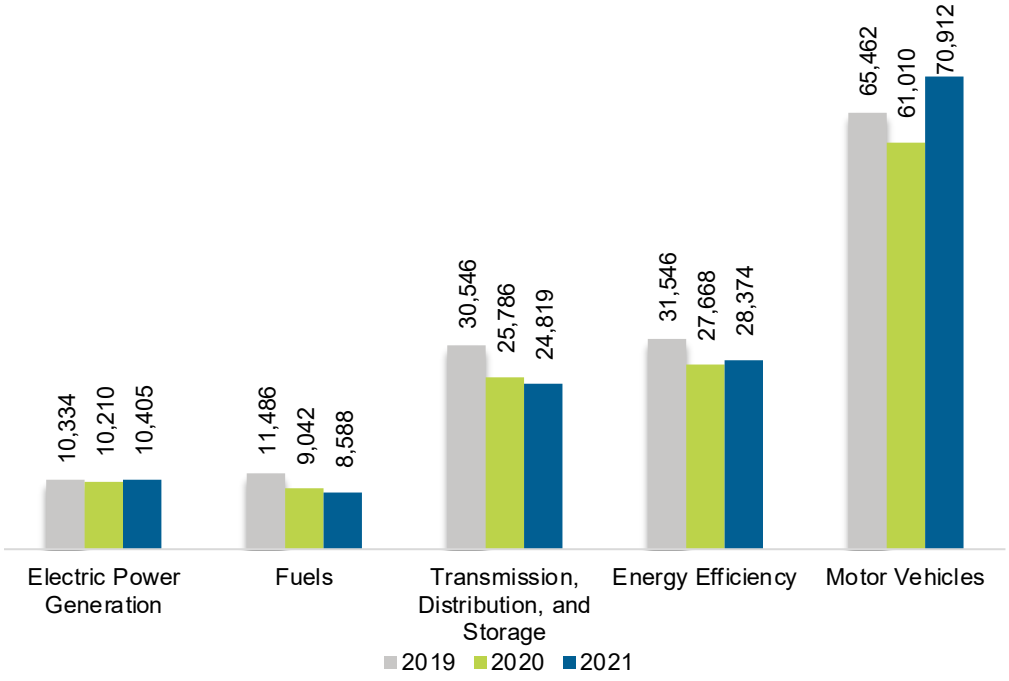
Alabama

ENERGY AND EMPLOYMENT — 2022

Overview

Alabama had 143,098 energy workers statewide in 2021, representing 1.8% of all U.S. energy jobs. Of these energy jobs, 10,405 are in electric power generation; 8,588 in fuels; 24,819 in transmission, distribution, and storage; 28,374 in energy efficiency; and 70,912 in motor vehicles. From 2020 to 2021, energy jobs in the state increased by 9,382 jobs, or 7%. The energy sector in Alabama represents 7.3% of total state employment.

Figure AL-1.
Employment by Major Energy Technology Application

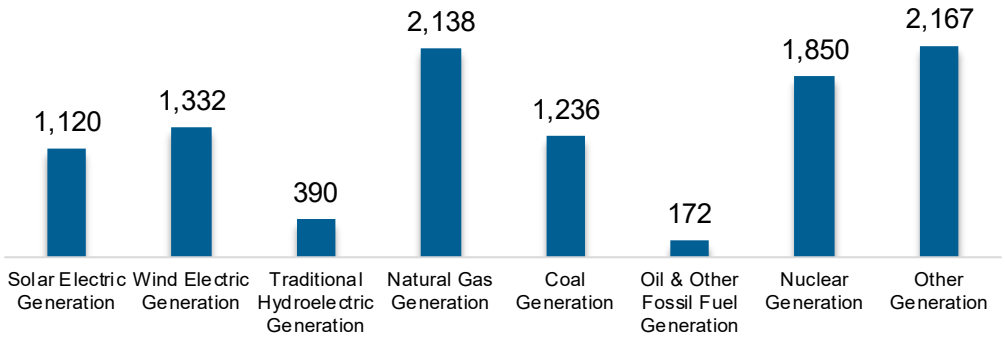


Breakdown by Technology Applications

Electric Power Generation

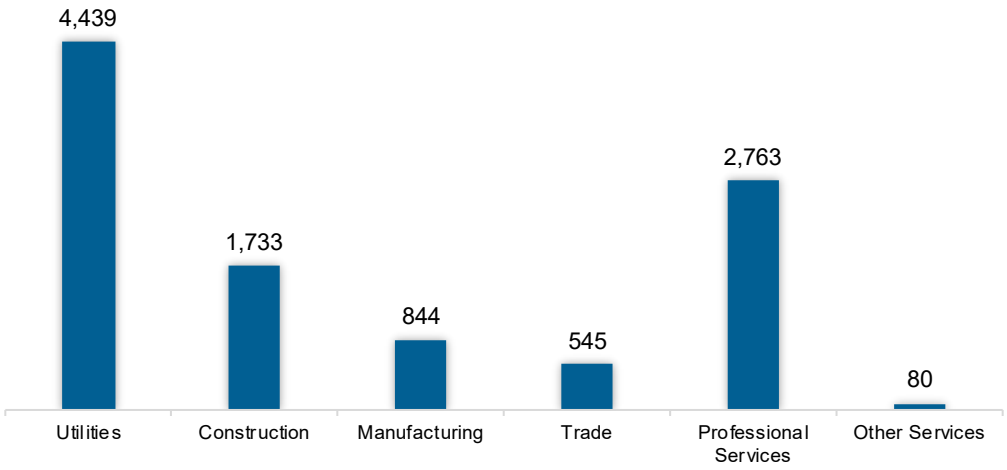
The electric power generation sector employed 10,405 workers in Alabama, 1.2% of the national electricity total, and added 196 jobs over the past year (1.9%).

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



Utilities work represents the largest industry sector in the electric power generation sector, with 42.7% of jobs. Professional and business services is second largest with 26.6%.

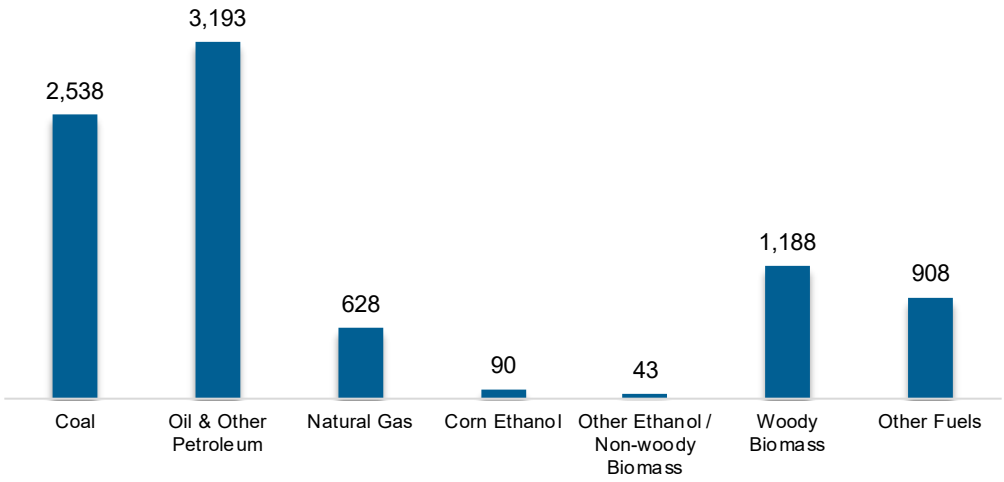
Figure AL-3.
Electric Power Generation Employment by Industry Sector



Fuels

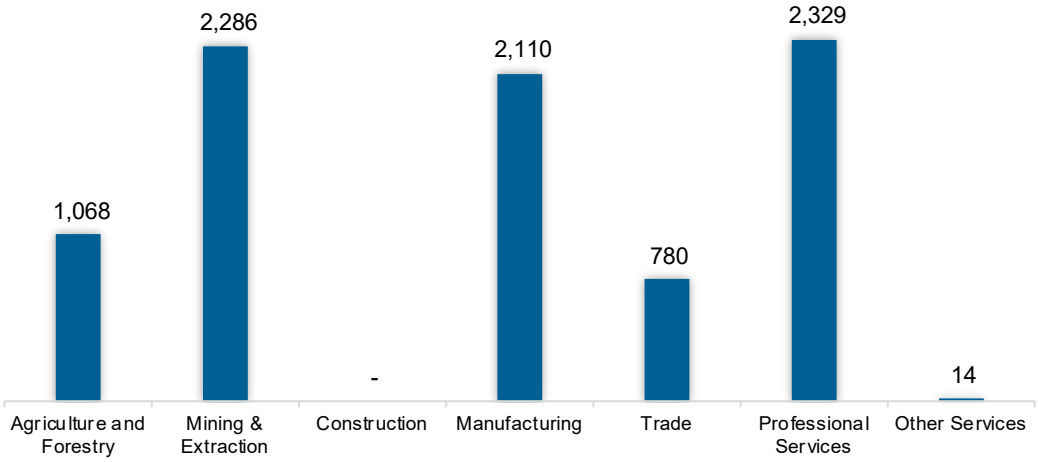
The fuel sector employed 8,588 workers in Alabama, 0.9% of the national total in fuels. The sector lost 453 jobs and decreased 5% in the past year.

Figure AL-4.
Fuels Employment by Detailed Technology Application



Professional and business services jobs represent 27.1% of fuel jobs in Alabama.

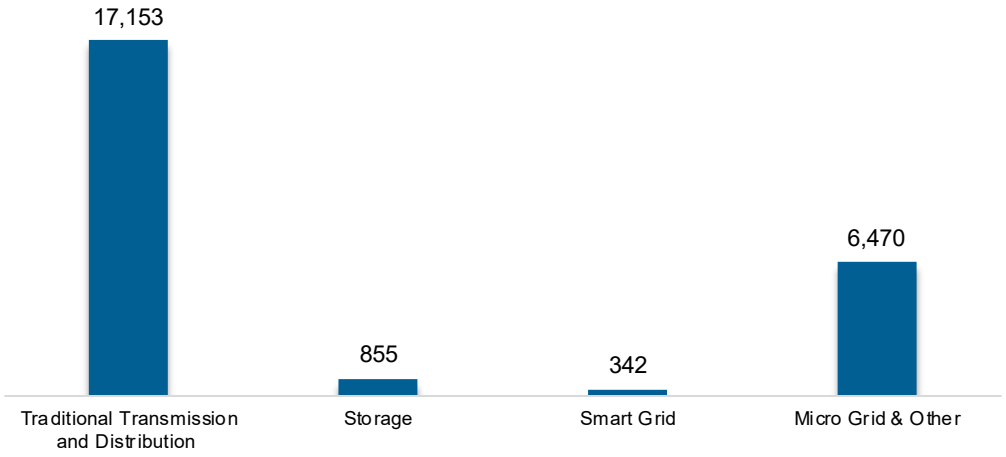
Figure AL-5.
Fuels Employment by Industry Sector



Transmission, Distribution and Storage

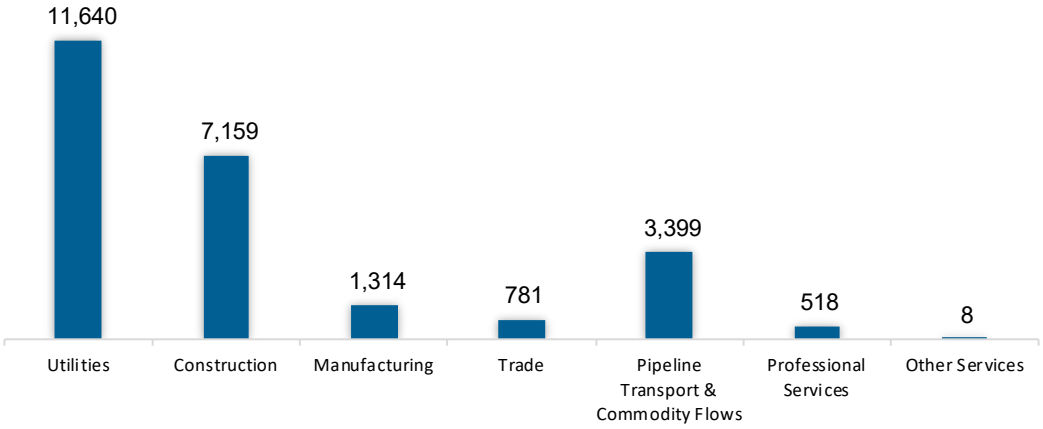
The transmission, distribution, and storage (TDS) sector employed 24,819 workers in Alabama, 0.9% of the national TDS total. The sector lost 967 jobs and decreased 3.8% in the past year.

Figure AL-6.
Transmission, Distribution and Storage Employment by Detailed Technology



Utilities work represents the greatest proportion of TDS jobs in Alabama, accounting for 46.9% of the sector's jobs statewide.

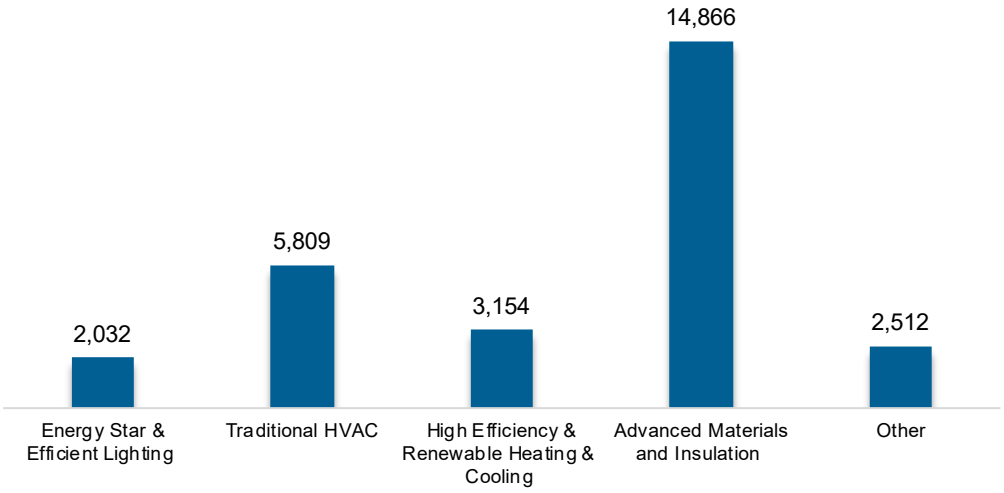
Figure AL-7.
Transmission, Distribution and Storage Employment by Industry Sector



Energy Efficiency

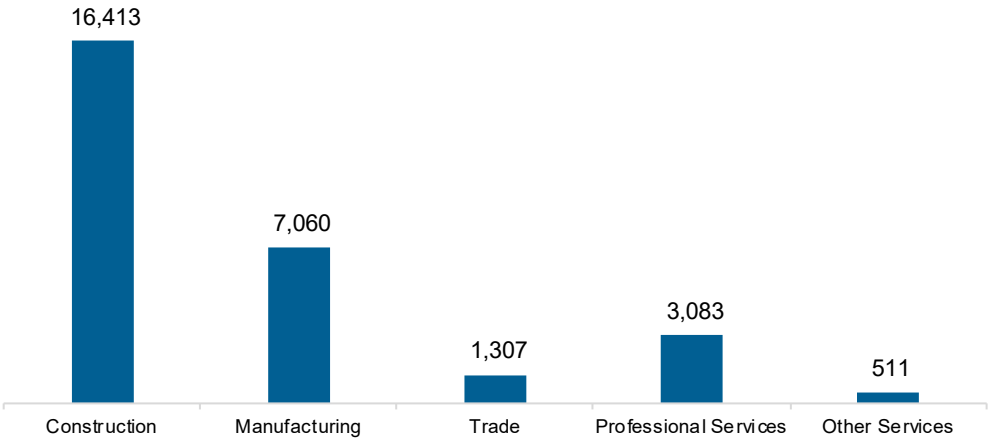
The energy efficiency (EE) sector employed 28,374 workers in Alabama, 1.3% of the national EE total. The EE sector added 706 jobs and increased 2.6% in the past year.

Figure AL-8.
Energy Efficiency Employment by Detailed Technology Application



EE employment is primarily found in the construction industry.

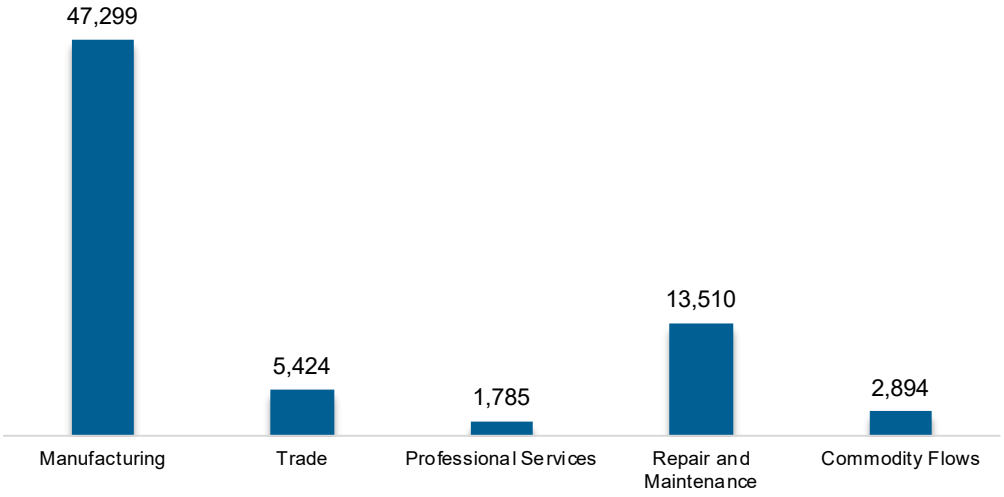
Figure AL-9.
Energy Efficiency Employment by Industry Sector



Motor Vehicles and Component Parts

The motor vehicles and component sector employed 70,912 workers in Alabama, 2.8% of the national total for the sector. Motor vehicles and component parts added 9,901 jobs and increased 16.2% in the past year. Manufacturing work represents the largest proportion of motor vehicle jobs.

Figure AL-10.
Motor Vehicle Employment by Industry Sector



Workforce Characteristics

Employer Growth

Employers in Alabama are less optimistic than their peers across the country about energy sector job growth over the next year.

Table AL-1
Projected Growth by Major Technology Application

Technology	State Projected Growth Next 12 Months (percent)	U.S. Projected Growth Next 12 Months (percent)
Electric Power Generation	1.9	2.2
Electric Power Transmission, Distribution, and Storage	1.4	1.1
Energy Efficiency	1.7	1.7
Fuels	2.3	3.0
Motor Vehicles	2.4	3.2

Hiring Difficulty

Employers in Alabama reported 50.4% overall hiring difficulty.

Table AL-2

Hiring Difficulty	Very Difficult (percent)	Somewhat Difficult (percent)	Not at All Difficult (percent)	Did Not Hire (percent)	Overall Hiring Difficulty
Overall	23.6	26.8	8.6	41.1	50.4