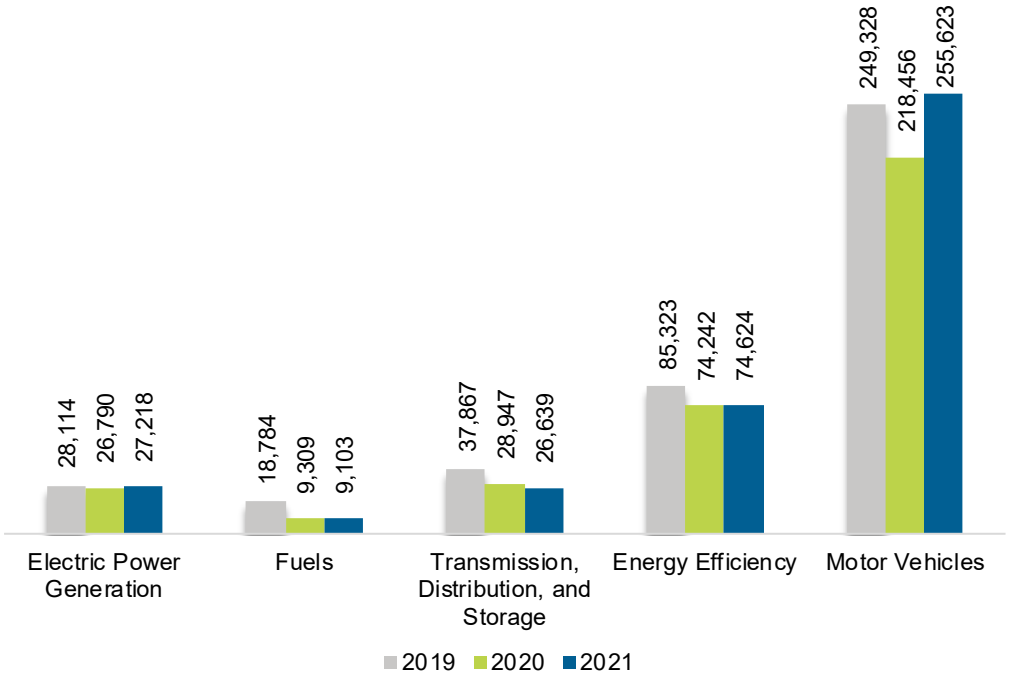
Michigan

ENERGY AND EMPLOYMENT — 2022

Overview

Michigan had 393,207 energy workers statewide in 2021, representing 5% of all U.S. energy jobs. Of these energy jobs, 27,218 are in electric power generation; 9,103 in fuels; 26,639 in transmission, distribution, and storage; 74,624 in energy efficiency; and 255,623 in motor vehicles. From 2020 to 2021, energy jobs in the state increased by 35,463 jobs, or 9.9%. The energy sector in Michigan represents 9.5% of total state employment

Figure MI-1.
Employment by Major Energy Technology Application

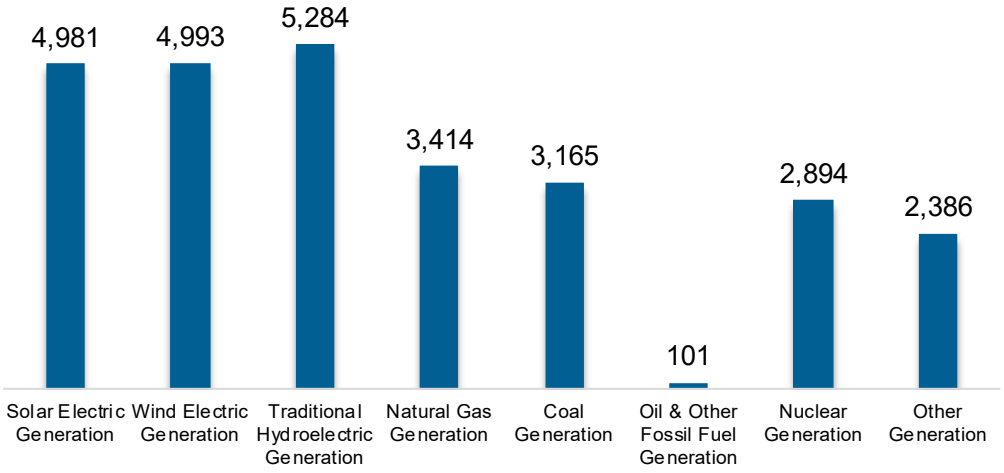


Breakdown by Technology Applications

Electric Power Generation

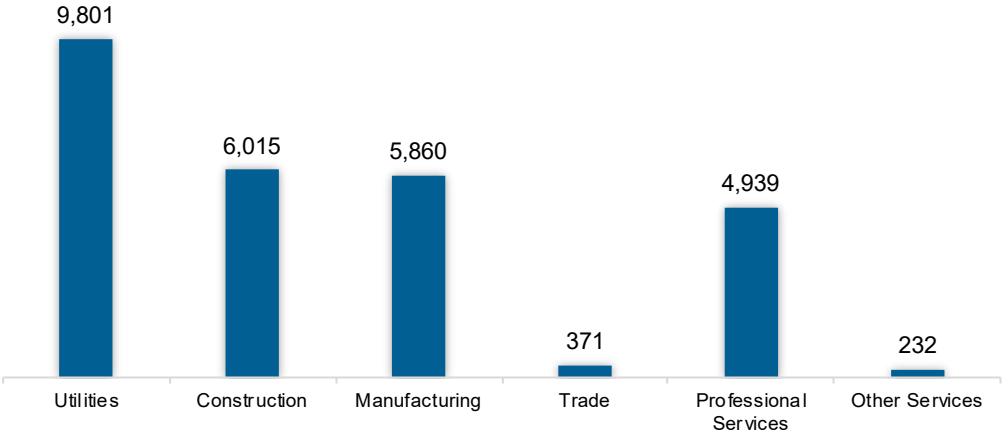
The electric power generation sector employed 27,218 workers in Michigan, 3.2% of the national electricity total, and added 428 jobs over the past year (1.6%).

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



Utilities work represents the largest industry sector in the electric power generation sector, with 36% of jobs. Construction is second largest with 22.1%.

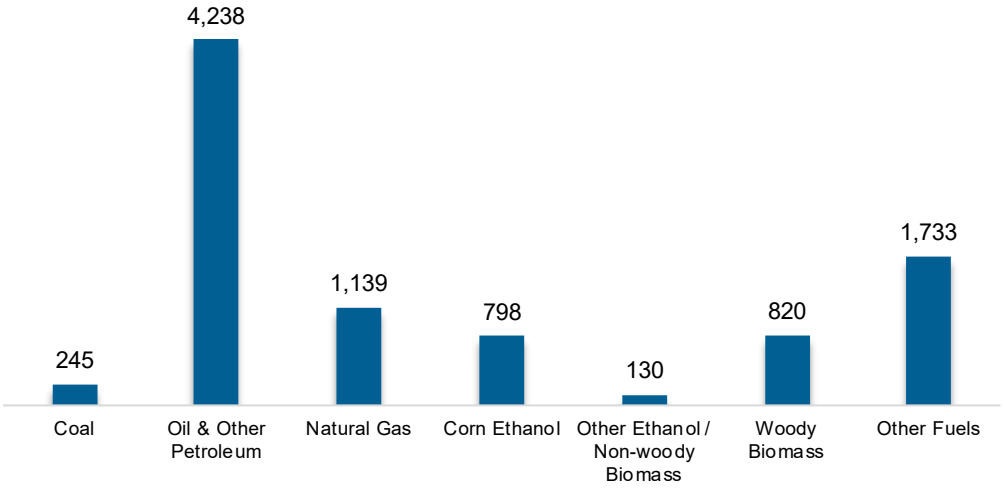
Figure MI-3.
Electric Power Generation Employment by Industry Sector



Fuels

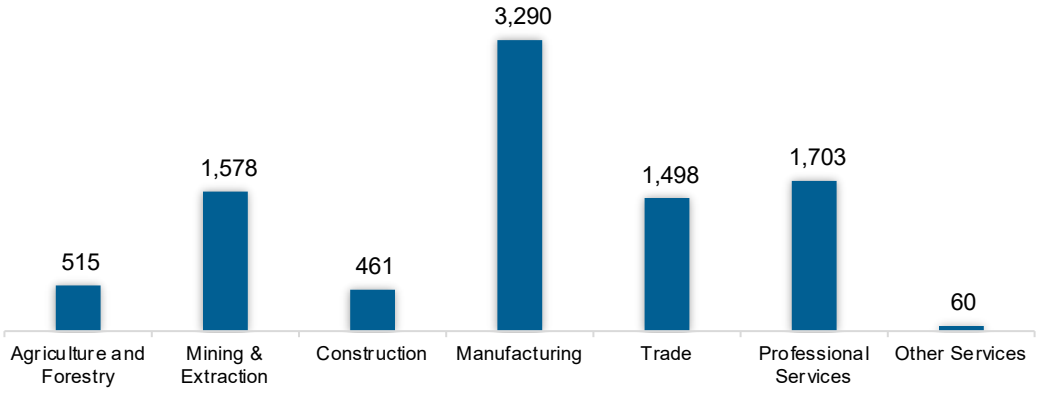
The fuel sector employed 9,103 workers in Michigan, 1% of the national total in fuels. The sector lost 206 jobs and decreased 2.2% in the past year.

Figure MI-4.
Fuels Employment by Detailed Technology Application



Manufacturing jobs represent 36.1% of fuel jobs in Michigan.

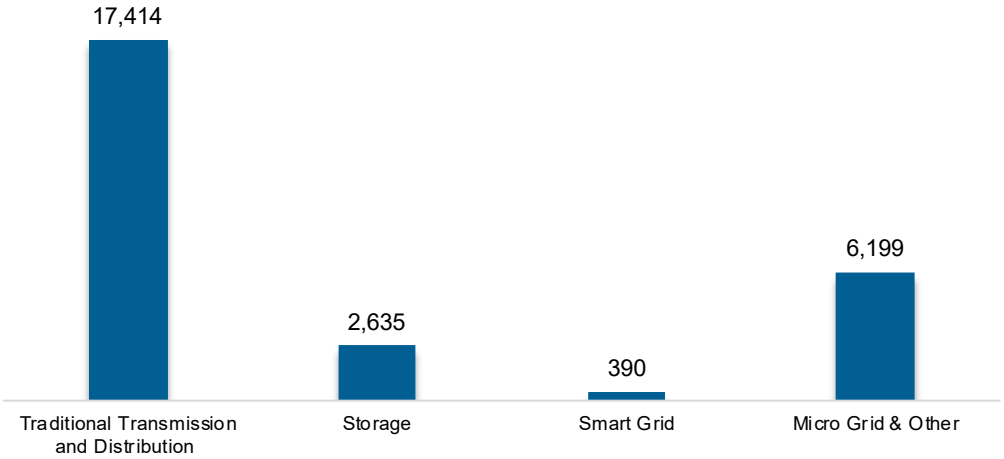
Figure MI-5.
Fuels Employment by Industry Sector



Transmission, Distribution and Storage

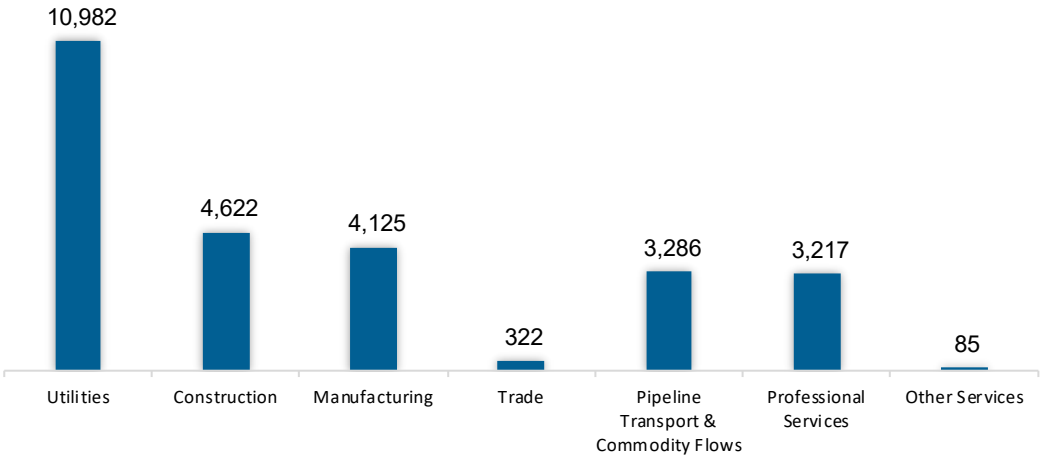
The transmission, distribution, and storage (TDS) sector employed 26,639 workers in Michigan, 1% of the national TDS total. The sector lost 2,308 jobs and decreased 8% in the past year.

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



Utilities work represents the greatest proportion of TDS jobs in Michigan, accounting for 41.2% of the sector's jobs statewide.

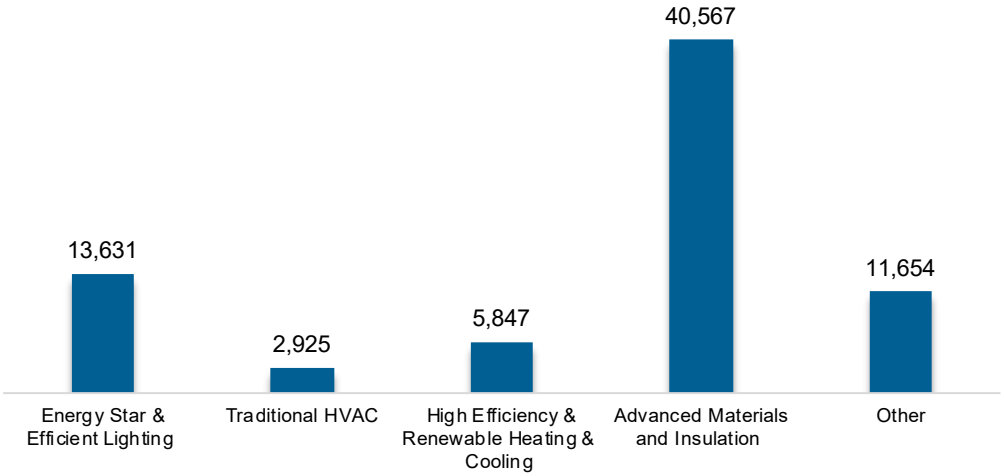
Figure MI-7.
Transmission, Distribution and Storage Employment by Industry Sector



Energy Efficiency

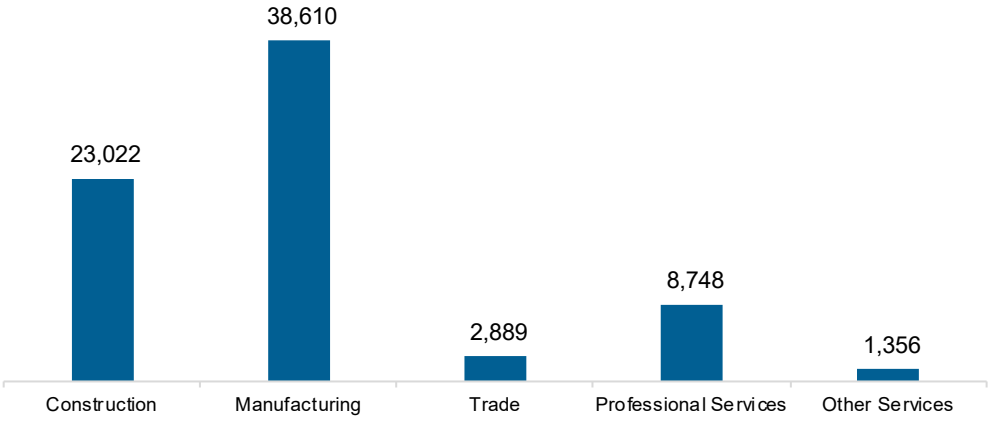
The energy efficiency (EE) sector employed 74,624 workers in Michigan, 3.4% of the national EE total. The EE sector added 382 jobs and increased 0.5% in the past year.

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



EE employment is primarily found in the manufacturing industry.

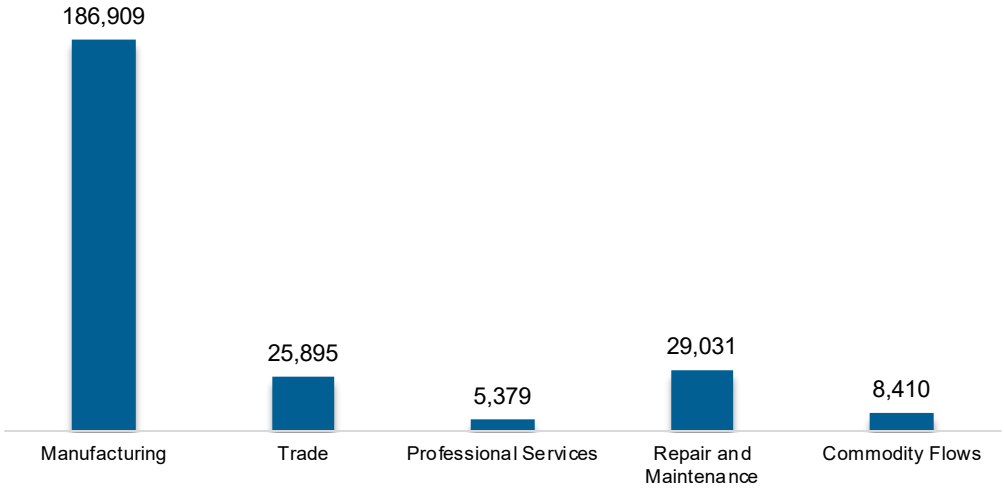
Figure MI-9.
Energy Efficiency Employment by Industry Sector



Motor Vehicles and Component Parts

The motor vehicles and component sector employed 255,623 workers in Michigan, 10% of the national total for the sector. Motor vehicles and component parts added 37,168 jobs and increased 17% in the past year. Manufacturing work represents the largest proportion of motor vehicle jobs.

Figure MI-10.
Motor Vehicle Employment by Industry Sector



Workforce Characteristics

Employer Growth

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

Table MI-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	0.3	2.2
Electric Power Transmission, Distribution, and Storage	-0.2	1.1
Energy Efficiency	0.1	1.7
Fuels	0.7	3.0
Motor Vehicles	0.8	3.2

Hiring Difficulty

Employers in Michigan reported 54.3% overall hiring difficulty.

Table MI-2
Hiring Difficulty

Hiring Difficulty	Very Difficult (percent)	Somewhat Difficult (percent)	Not at All Difficult (percent)	Did Not Hire (percent)	Overall Hiring Difficulty
Overall	29.6	24.7	5.2	40.5	54.3