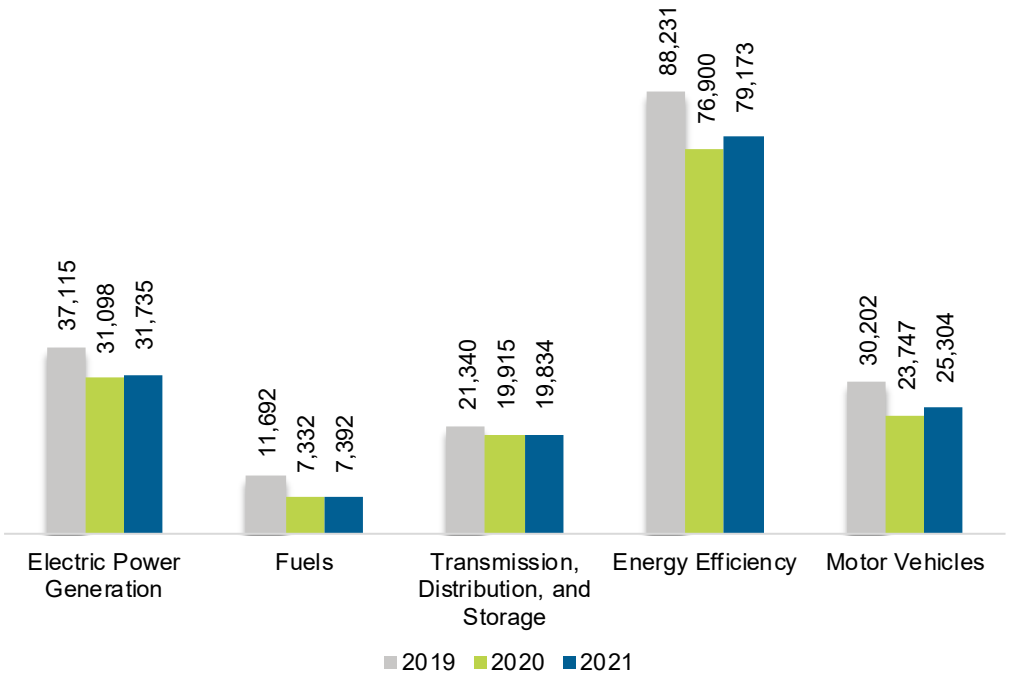
Massachusetts

ENERGY AND EMPLOYMENT — 2022

Overview

Massachusetts had 163,437 energy workers statewide in 2021, representing 2.1% of all U.S. energy jobs. Of these energy jobs, 31,735 are in electric power generation; 7,392 in fuels; 19,834 in transmission, distribution, and storage; 79,173 in energy efficiency; and 25,304 in motor vehicles. From 2020 to 2021, energy jobs in the state increased by 4,446 jobs, or 2.8%. The energy sector in Massachusetts represents 4.7% of total state employment.

Figure MA-1.
Employment by Major Energy Technology Application

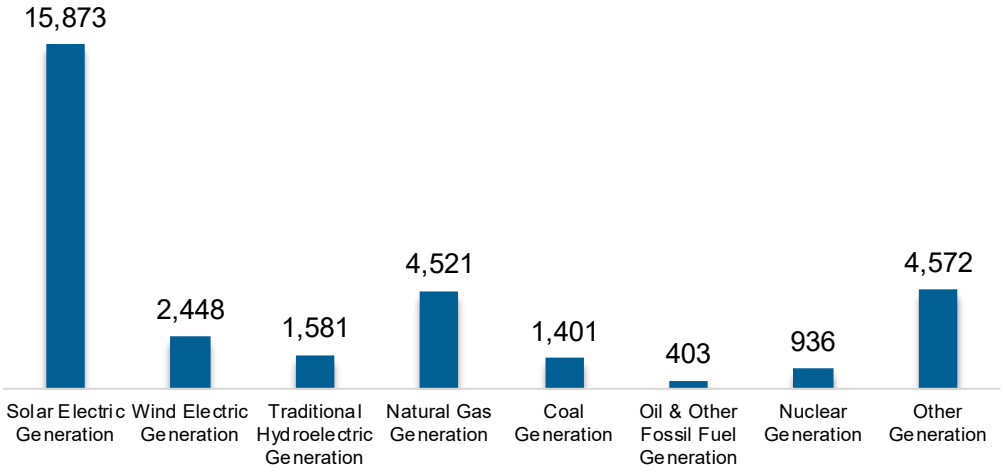


Breakdown by Technology Applications

Electric Power Generation

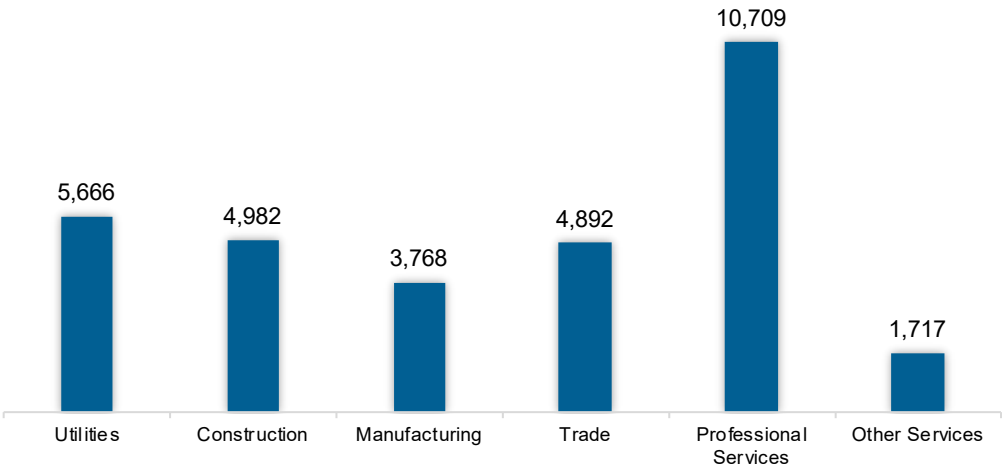
The electric power generation sector employed 31,735 workers in Massachusetts, 3.7% of the national electricity total, and added 637 jobs over the past year (2%).

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



Professional and business services work represents the largest industry sector in the electric power generation sector, with 33.7% of jobs. Utilities is second largest with 17.9%.

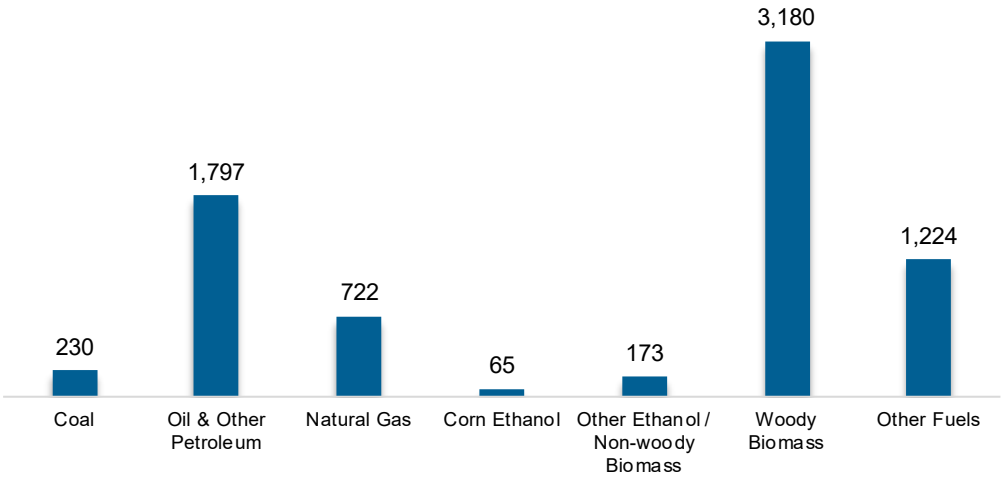
Figure MA-3.
Electric Power Generation Employment by Industry Sector



Fuels

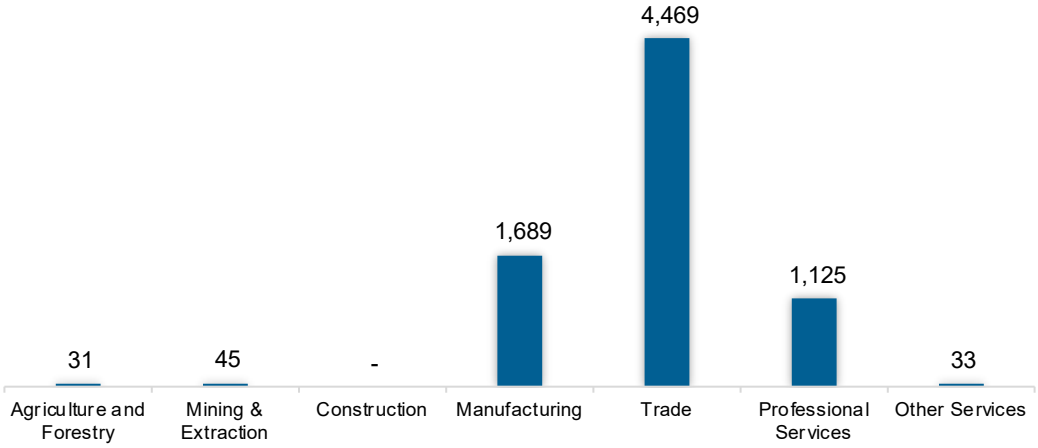
The fuel sector employed 7,392 workers in Massachusetts, 0.8% of the national total in fuels. The sector gained 60 jobs and increased 0.8% in the past year.

Figure MA-4.
Fuels Employment by Detailed Technology Application



Wholesale trade jobs represent 60.5% of fuels jobs in Massachusetts.

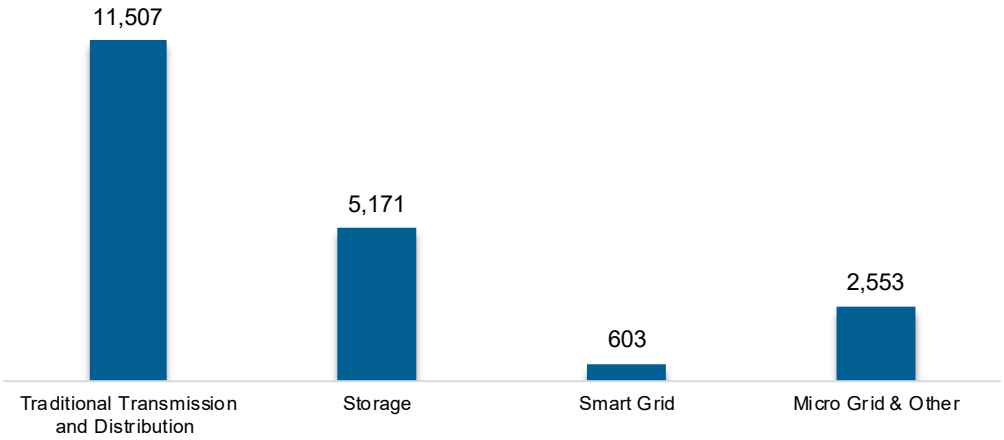
Figure MA-5.
Fuels Employment by Industry Sector



Transmission, Distribution and Storage

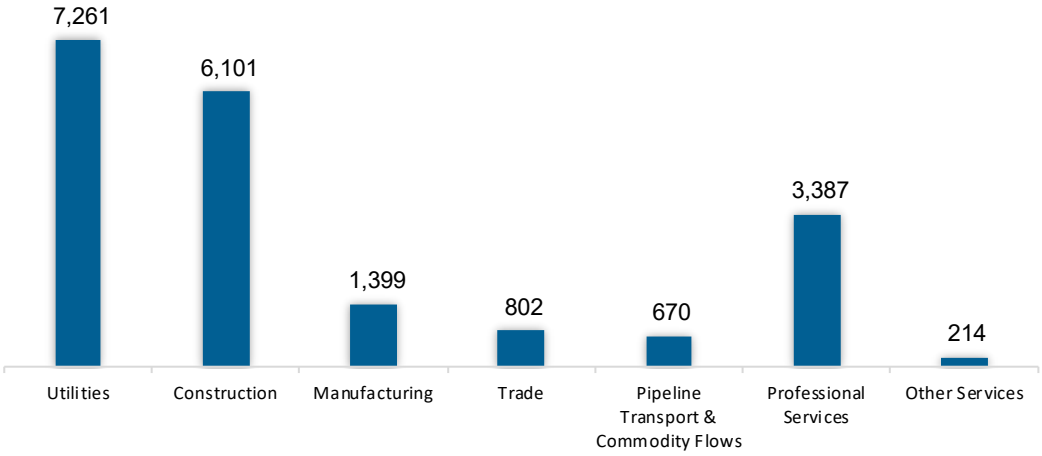
The transmission, distribution, and storage (TDS) sector employed 19,834 workers in Massachusetts, 0.8% of the national TDS total. The sector lost 81 jobs and decreased 0.4% in the past year.

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



Utilities work represents the greatest proportion of TDS jobs in Massachusetts, accounting for 36.6% of the sector's jobs statewide.

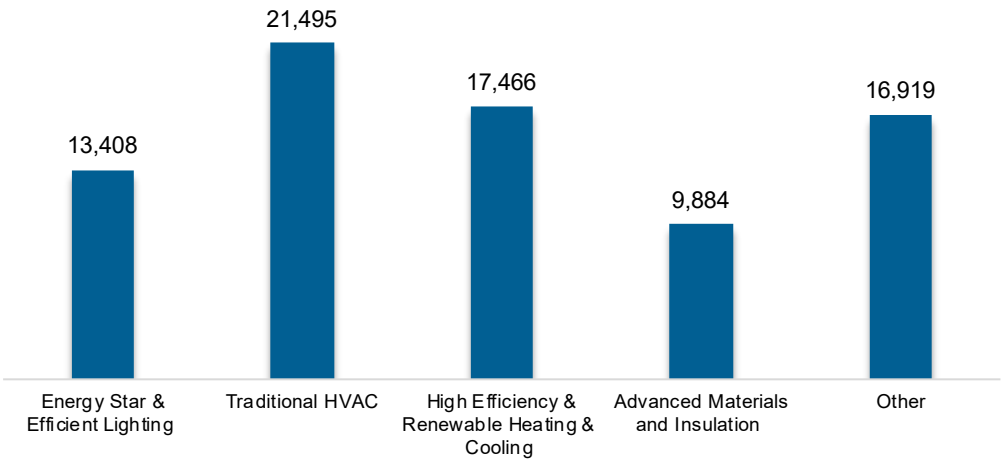
Figure MA-7.
Transmission, Distribution and Storage Employment by Industry Sector



Energy Efficiency

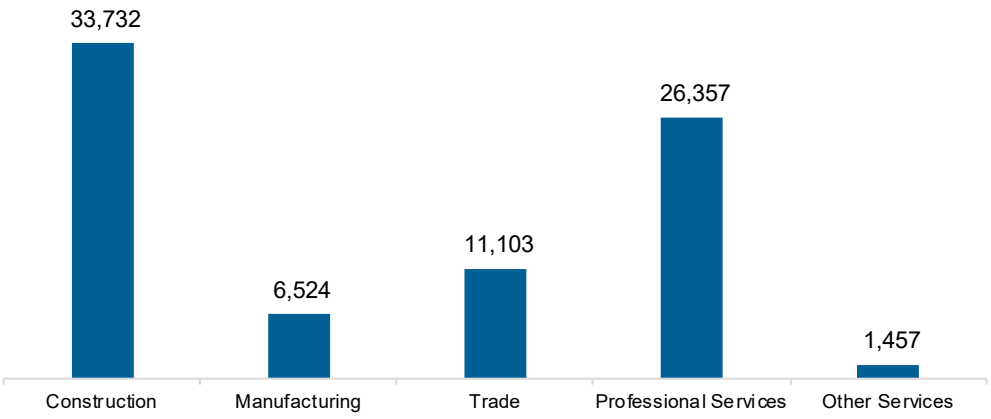
The energy efficiency (EE) sector employed 79,173 workers in Massachusetts, 3.7% of the national EE total. The EE sector added 2,273 jobs and increased 3% in the past year.

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



EE employment is primarily found in the construction industry.

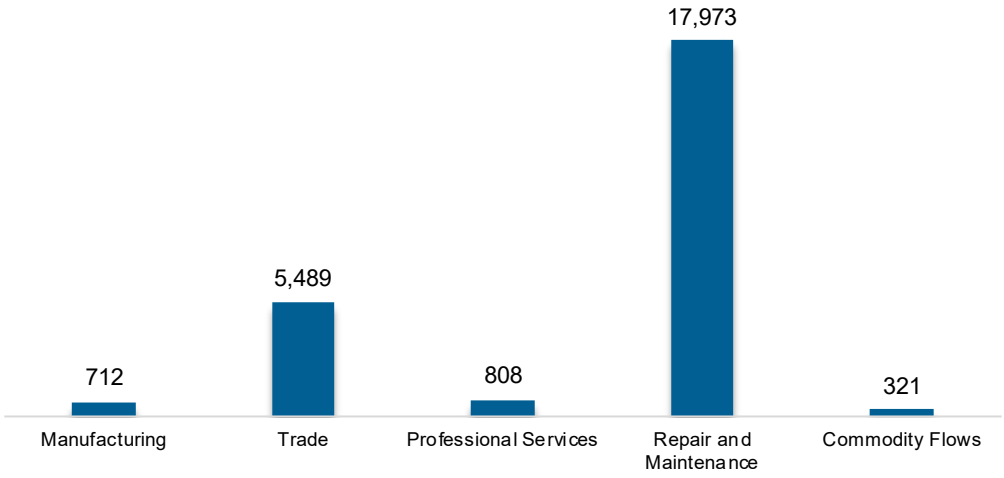
Figure MA-9.
Energy Efficiency Employment by Industry Sector



Motor Vehicles and Component Parts

The motor vehicles and component sector employed 25,304 workers in Massachusetts, 1% of the national total for the sector. Motor vehicles and component parts added 1,557 jobs and increased 6.6% in the past year. Repair and maintenance work represents the largest proportion of motor vehicle jobs.

Figure MA-10.
Motor Vehicle Employment by Industry Sector



Workforce Characteristics

Employer Growth

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

Table MA-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	1.3	2.2
Electric Power Transmission, Distribution, and Storage	0.7	1.1
Energy Efficiency	1.0	1.7
Fuels	1.7	3.0
Motor Vehicles	1.8	3.2

Hiring Difficulty

Employers in Massachusetts reported 55.2% overall hiring difficulty.

Table MA-2
Hiring Difficulty

Hiring Difficulty	Very Difficult (percent)	Somewhat Difficult (percent)	Not at All Difficult (percent)	Did Not Hire (percent)	Overall Hiring Difficulty
Overall	26.7	28.5	7.4	37.4	55.2