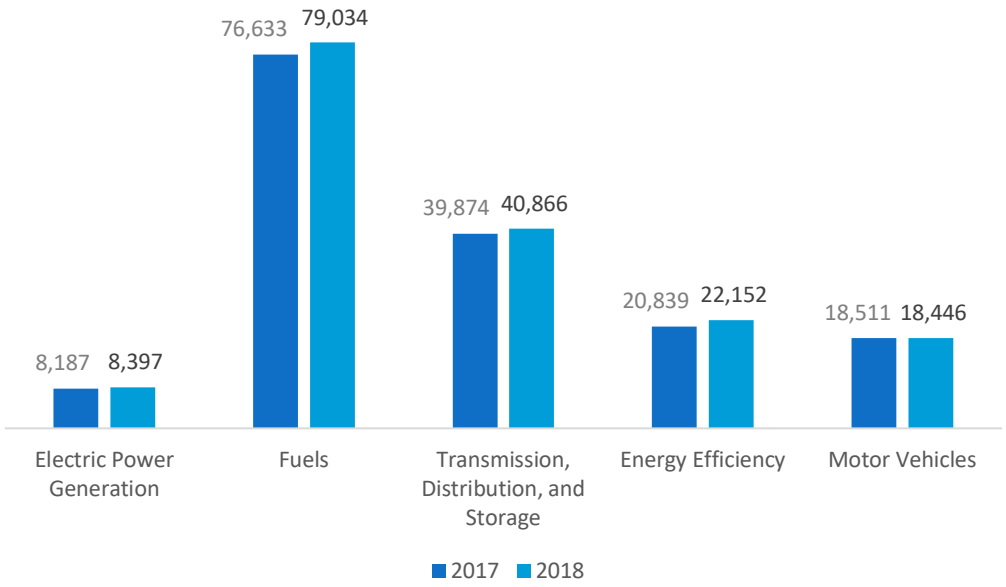
Louisiana

ENERGY AND EMPLOYMENT — 2019

Overview

Louisiana has a high concentration of energy employment, with 128,297 Traditional Energy workers statewide (representing 3.8 percent of all U.S. Traditional Energy jobs). Of these Traditional Energy workers, 8,397 are in Electric Power Generation, 79,034 are in Fuels, and 40,866 are in Transmission, Distribution, and Storage. The Traditional Energy sector in Louisiana is 6.7 percent of total state employment (compared to 2.3 percent of national employment). Louisiana has an additional 22,152 jobs in Energy Efficiency (1.0 percent of all U.S. Energy Efficiency jobs) and 18,446 jobs in Motor Vehicles (0.7 percent of all U.S. Motor Vehicle jobs).

Figure LA-1.
Employment by Major Energy Technology Application



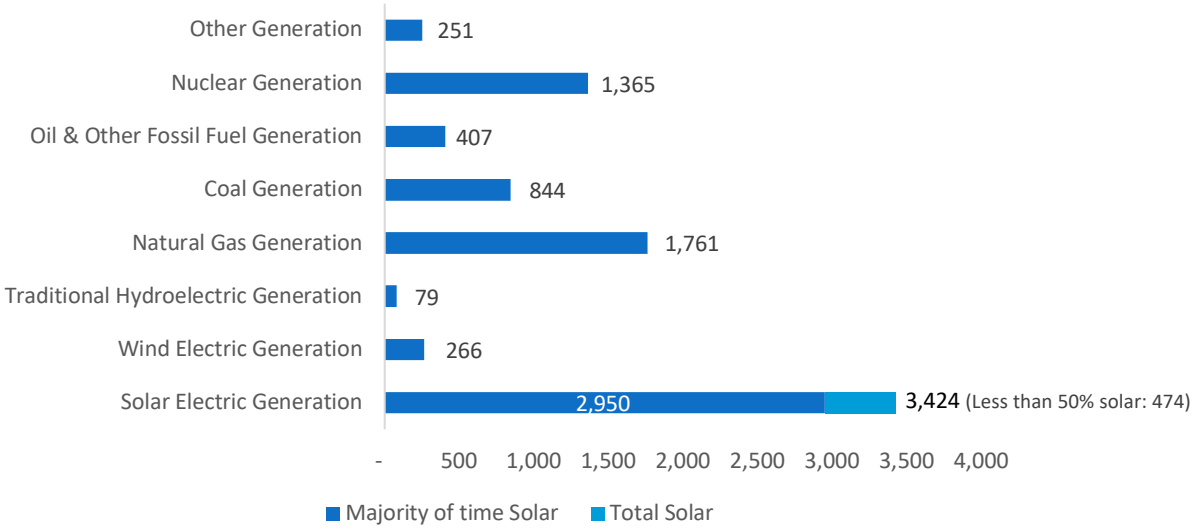
Overall, Traditional Energy jobs grew by 2.9 percent since the 2018 report, increasing by 3,603 jobs over the period. Energy Efficiency jobs added 1,312 jobs (6.3 percent) and motor vehicles lost 66 jobs (-0.4 percent).

Breakdown by Technology Applications

Electric Power Generation

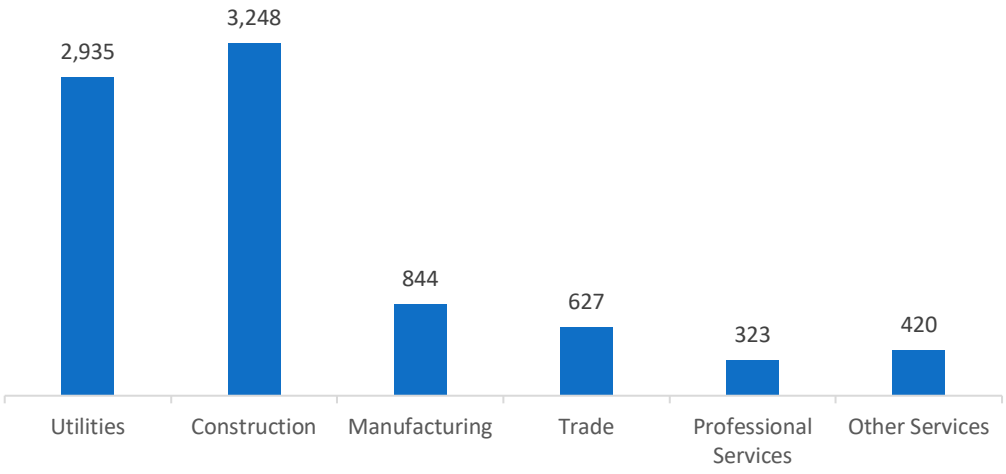
Electric Power Generation employs 8,397 workers in Louisiana, 1.0 percent of the national total and adding 210 jobs over the past year (2.6 percent). Solar makes up the largest segment of employment related to Electric Power Generation, with 3,424 jobs (down 0.7 percent), followed by traditional fossil fuel generation at 3,011 jobs (up 0.6 percent).

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



Construction is the largest industry sector in Electric Power Generation, with 38.7 percent of jobs. Utilities are next with 35.0 percent.

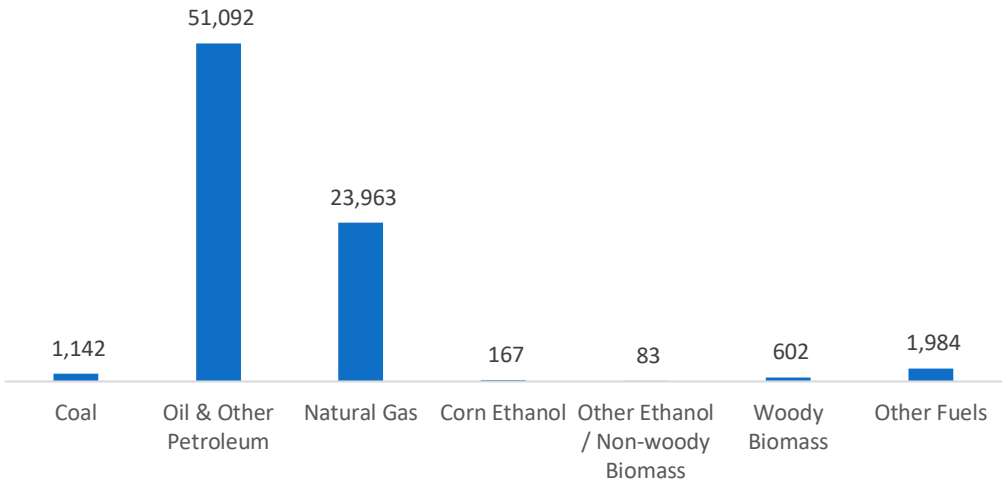
Figure LA-3.



Fuels

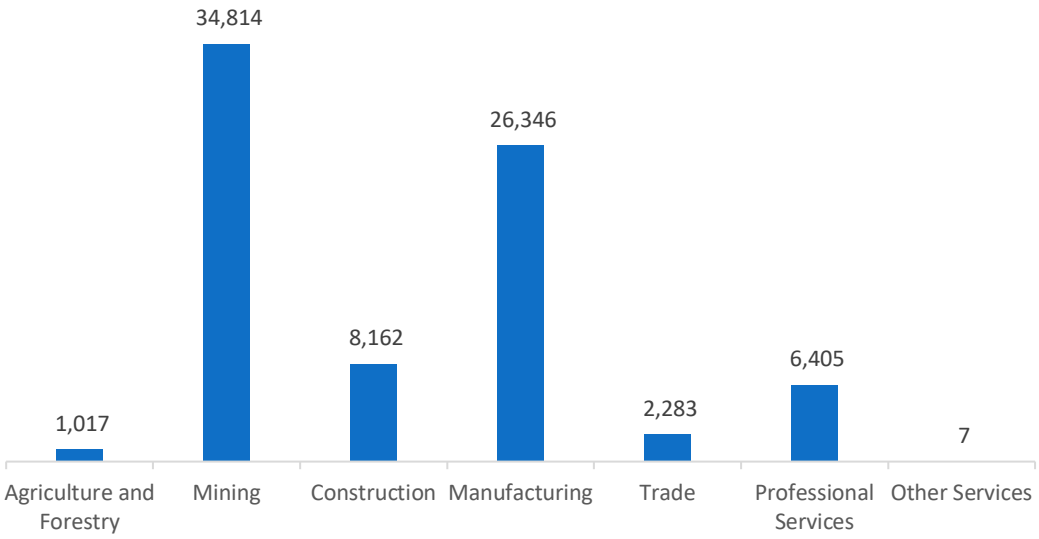
Fuels employs 79,034 workers in Louisiana, 7.0 percent of the national total, up 3.1 percent over the past year. Petroleum and other fossil fuels makes up the largest segment of employment related to Fuels.

Figure LA-4.
Fuels Employment by Detailed Technology Application



Mining and extraction jobs represent 44.0 percent of Fuels jobs in Louisiana.

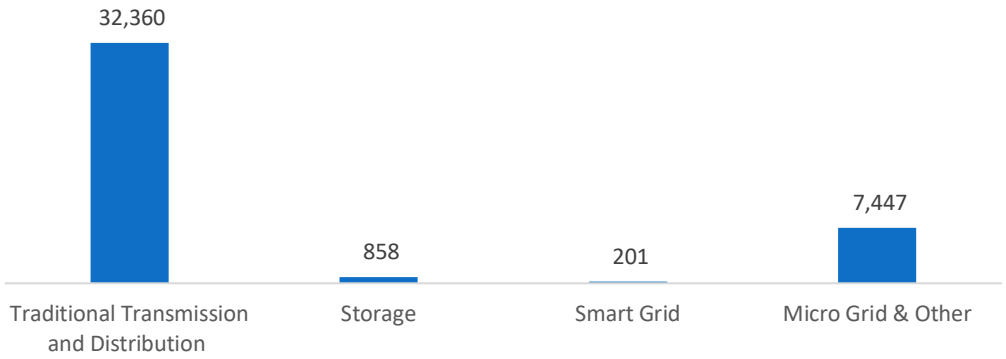
Figure LA-5.
Fuels Employment by Industry Sector



Transmission, Distribution and Storage

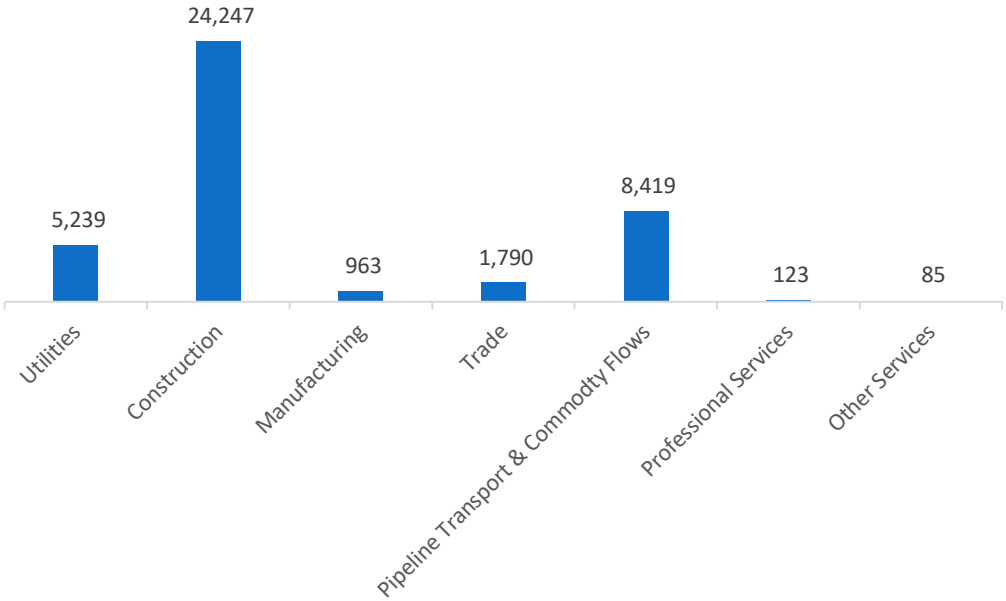
Transmission, Distribution, and Storage employs 40,866 workers in Louisiana, 3.0 percent of the national total, up 2.5 percent or 991 jobs since the 2018 report.

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



Construction is responsible for the largest percentage of Transmission, Distribution, and Storage jobs in Louisiana, with 59.3 percent of such jobs statewide.

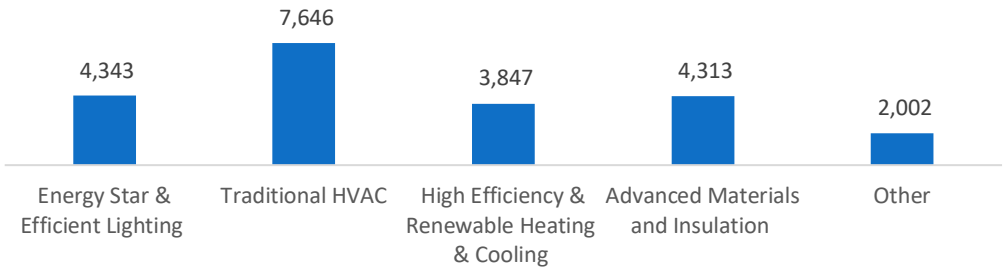
Figure LA-7.
Transmission, Distribution and Storage Employment by Industry Sector



Energy Efficiency

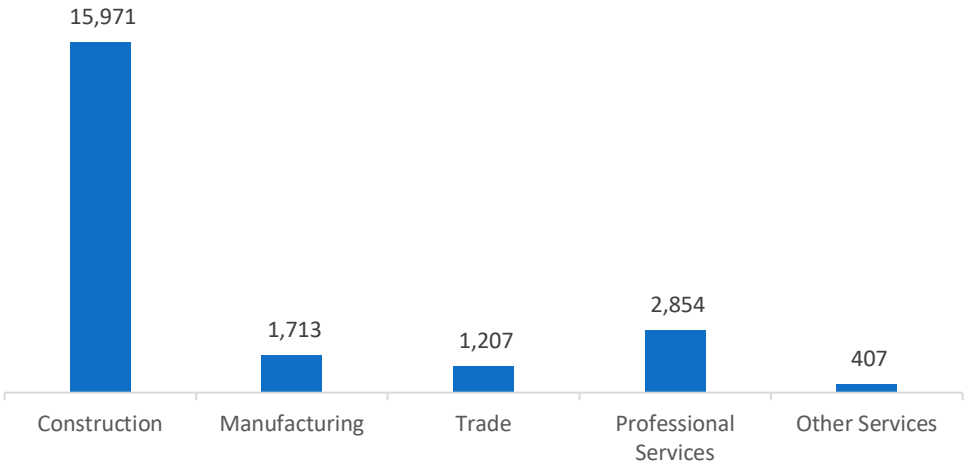
The 22,152 Energy Efficiency jobs in Louisiana represent 1.0 percent of all U.S. Energy Efficiency jobs, adding 1,312 jobs (6.3 percent) since last year. The largest number of these employees work in traditional HVAC firms, followed by ENERGY STAR and efficient lighting.

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



Energy Efficiency employment is primarily found in the construction industry.

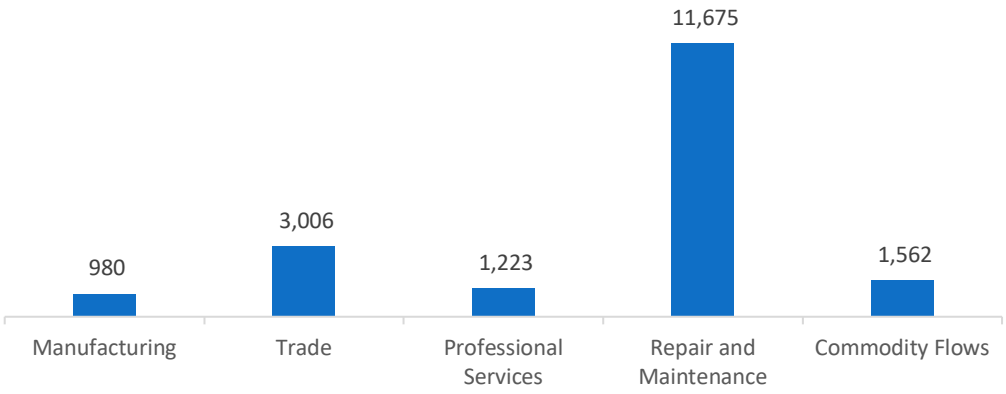
Figure LA-9.
Energy Efficiency Employment by Industry Sector



Motor Vehicles

Motor Vehicle employment accounts for 18,446 jobs in Louisiana, down 66 jobs over the past year (-0.4 percent). The industry sector that accounts for the largest fraction of Motor Vehicle jobs is repair and maintenance.

Figure LA-10.
Motor Vehicle Employment by Industry Sector



Workforce Characteristics

Employer Growth

Employers in Louisiana are more optimistic to their peers across the country in regards to their job growth over the next year in Traditional Energy (5.1 percent versus 4.1 percent nationally). Energy Efficiency employers expect to add 2,475 jobs in Energy Efficiency (11.2 percent) and Motor Vehicles employers expect to add 365 jobs (2.0 percent) over the next year.

Table LA-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	8.4	7.1
Electric Power Transmission, Distribution and Storage	4.3	3.2
Energy Efficiency	11.2	7.8
Fuels	5.2	3.0
Motor Vehicles	2.0	2.2

Hiring Difficulty

Over the last year, 52.8 percent of energy-related employers in Louisiana hired new employees. These employers reported the greatest overall difficulty in hiring workers for jobs in Energy Efficiency.

Table LA-2
Hiring Difficulty by Major Technology Application

Technology	Very Difficult (%)		Somewhat Difficult (%)	
	State	National	State	National
Electric Power Generation	16.7	20.7	50.0	54.8
Electric Power Transmission, Distribution and Storage	36.4	21.9	27.3	46.1
Energy Efficiency	50.0	21.3	16.7	48.1
Fuels	28.6	37.9	14.3	43.0
Motor Vehicles	16.7	30.0	50.0	46.4

Employers in Louisiana gave the following as the top three reasons for their reported difficulty:

1. Lack of experience, training, or technical skills
2. Insufficient non-technical skills (work ethic, dependability, critical thinking)
3. Insufficient qualifications (certifcations or education)

Employers reported the following as the three most difficult occupations to hire for:

1. Electrician/construction laborers – $23.07 median hourly wage
2. Technician or mechnical support – $19.94 median hourly wage
3. Sales, marketing, or customer service – $29.58 median hourly wage