New Jersey
ENERGY AND EMPLOYMENT — 2022

Overview

New Jersey had 135,172 energy workers statewide in 2021, representing 1.7% of all U.S. energy jobs. Of these energy jobs, 18,867 are in electric power generation; 14,208 in fuels; 27,948 in transmission, distribution, and storage; 34,585 in energy efficiency; and 39,564 in motor vehicles. From 2020 to 2021, energy jobs in the state increased by 4,125 jobs, or 3.1%. The energy sector in New Jersey represents 3.4% of total state employment.

Figure NJ-1.
Employment by Major Energy Technology Application
Breakdown by Technology Applications

Electric Power Generation

The electric power generation sector employed 18,867 workers in New Jersey, 2.2% of the national electricity total, and added 161 jobs over the past year (0.9%).

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

Manufacturing work represents the largest industry sector in the electric power generation sector, with 24.8% of jobs. Construction is second largest with 24.5%.

Figure NJ-3.
Electric Power Generation Employment by Industry Sector
**Fuels**

The fuel sector employed 14,208 workers in New Jersey, 1.6% of the national total in fuels. The sector lost 1,095 jobs and decreased 7.2% in the past year.

**Figure NJ-4.**
Fuels Employment by Detailed Technology Application

Manufacturing jobs represent 38.1% of fuel jobs in New Jersey.

**Figure NJ-5.**
Fuels Employment by Industry Sector
Transmission, Distribution and Storage

The transmission, distribution, and storage (TDS) sector employed 27,948 workers in New Jersey, 1.6% of the national TDS total. The sector gained 1,823 jobs and increased 7% in the past year.

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

Utilities work represents the greatest proportion of TDS jobs in New Jersey, accounting for 32.1% of the sector’s jobs statewide.

Figure NJ-7.
Transmission, Distribution and Storage Employment by Industry Sector
Energy Efficiency

The energy efficiency (EE) sector employed 34,585 workers in New Jersey, 1.6% of the national EE total. The EE sector added 1,705 jobs and increased 5.2% in the past year.

**Figure NJ-8.**
Energy Efficiency Employment by Detailed Technology Application

EE employment is primarily found in the construction industry.

**Figure NJ-9.**
Energy Efficiency Employment by Industry Sector
**Motor Vehicles and Component Parts**

The motor vehicles and component sector employed 39,564 workers in New Jersey, 1.5% of the national total for the sector. Motor vehicles and component parts added 1,530 jobs and increased 4% in the past year. Repair and maintenance work represents the largest proportion of motor vehicle jobs.

**Figure NJ-10. Motor Vehicle Employment by Industry Sector**

![Motor Vehicle Employment by Industry Sector](image)

**Workforce Characteristics**

**Employer Growth**

Employers in New Jersey are more optimistic than their peers across the country about energy sector job growth over the next year.

**Table NJ-1 Projected Growth by Major Technology Application**

<table>
<thead>
<tr>
<th>Technology</th>
<th>State Projected Growth Next 12 Months (percent)</th>
<th>U.S. Projected Growth Next 12 Months (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Power Generation</td>
<td>2.8</td>
<td>2.2</td>
</tr>
<tr>
<td>Electric Power Transmission, Distribution, and Storage</td>
<td>2.3</td>
<td>1.1</td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>2.6</td>
<td>1.7</td>
</tr>
<tr>
<td>Fuels</td>
<td>3.2</td>
<td>3.0</td>
</tr>
<tr>
<td>Motor Vehicles</td>
<td>3.3</td>
<td>3.2</td>
</tr>
</tbody>
</table>
**Hiring Difficulty**

Employers in New Jersey reported 57.3% overall hiring difficulty.

**Table NJ-2**
**Hiring Difficulty**

<table>
<thead>
<tr>
<th>Hiring Difficulty</th>
<th>Very Difficult (percent)</th>
<th>Somewhat Difficult (percent)</th>
<th>Not at All Difficult (percent)</th>
<th>Did Not Hire (percent)</th>
<th>Overall Hiring Difficulty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>24.2</td>
<td>33.1</td>
<td>5.2</td>
<td>37.4</td>
<td>57.3</td>
</tr>
</tbody>
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