New Hampshire
ENERGY AND EMPLOYMENT — 2019

Overview

New Hampshire has a low concentration of energy employment, with 10,643 Traditional Energy workers statewide (representing 0.3 percent of all U.S. Traditional Energy jobs). Of these Traditional Energy workers, 5,787 are in Electric Power Generation, 1,341 are in Fuels, and 3,515 are in Transmission, Distribution, and Storage. The Traditional Energy sector in New Hampshire is 1.6 percent of total state employment (compared to 2.3 percent of national employment). New Hampshire has an additional 11,733 jobs in Energy Efficiency (0.5 percent of all U.S. Energy Efficiency jobs) and 8,277 jobs in Motor Vehicles (0.3 percent of all U.S. Motor Vehicle jobs).

Figure NH-1.
Employment by Major Energy Technology Application

Overall, Traditional Energy jobs grew by 3.0 percent since the 2018 report, increasing by 306 jobs over the period. Energy Efficiency jobs added 397 jobs (3.5 percent) and motor vehicles added 291 jobs (3.6 percent).
Breakdown by Technology Applications

Electric Power Generation

Electric Power Generation employs 5,787 workers in New Hampshire, 0.7 percent of the national total and losing 18 jobs over the past year (-0.3 percent). Traditional fossil fuel generation makes up the largest segment of employment related to Electric Power Generation, with 1,659 jobs (down -0.0 percent), followed by solar at 1,440 jobs (down 2.6 percent).

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

Professional and business services are the largest industry sector in Electric Power Generation, with 34.4 percent of jobs. Manufacturing is next with 21.0 percent.

Figure NH-3.
Fuels

Fuels employs 1,341 workers in New Hampshire, 0.1 percent of the national total, up 18.4 percent over the past year. Petroleum and other fossil fuels makes up the largest segment of employment related to Fuels.

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

Wholesale trade jobs represent 51.6 percent of Fuels jobs in New Hampshire.

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

Transmission, Distribution, and Storage employs 3,515 workers in New Hampshire, 0.3 percent of the national total, up 3.4 percent or 116 jobs since the 2018 report.

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

Utilities are responsible for the largest percentage of Transmission, Distribution, and Storage jobs in New Hampshire, with 36.5 percent of such jobs statewide.

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

The 11,733 Energy Efficiency jobs in New Hampshire represent 0.5 percent of all U.S. Energy Efficiency jobs, adding 397 jobs (3.5 percent) since last year. The largest number of these employees work in high efficiency HVAC and renewable heating and cooling firms, followed by ENERGY STAR and efficient lighting.

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

Energy Efficiency employment is primarily found in the construction industry.

Figure NH-9.
Energy Efficiency Employment by Industry Sector
Motor Vehicles

Motor Vehicle employment accounts for 8,277 jobs in New Hampshire, up 291 jobs over the past year (3.6 percent). The industry sector that accounts for the largest fraction of Motor Vehicle jobs is repair and maintenance.

Figure NH-10.
Motor Vehicle Employment by Industry Sector

Workforce Characteristics

Employer Growth

Employers in New Hampshire are more optimistic to their peers across the country in regards to their job growth over the next year in Traditional Energy (5.3 percent versus 4.1 percent nationally). Energy Efficiency employers expect to add 254 jobs in Energy Efficiency (2.2 percent) and Motor Vehicles employers expect to add 578 jobs (7.0 percent) over the next year.

Table NH-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>8.8</td>
<td>7.1</td>
</tr>
<tr>
<td>Electric Power Transmission,</td>
<td>--</td>
<td>3.2</td>
</tr>
<tr>
<td>Distribution and Storage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>2.2</td>
<td>7.8</td>
</tr>
<tr>
<td>Fuels</td>
<td>4.1</td>
<td>3.0</td>
</tr>
<tr>
<td>Motor Vehicles</td>
<td>7.0</td>
<td>2.2</td>
</tr>
</tbody>
</table>
Hiring Difficulty

Over the last year, 40.3 percent of energy-related employers in New Hampshire hired new employees. These employers reported the greatest overall difficulty in hiring workers for jobs in Energy Efficiency.

Table NH-2
Hiring Difficulty by Major Technology Application

<table>
<thead>
<tr>
<th>Technology</th>
<th>Very Difficult (%)</th>
<th>Somewhat Difficult (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>State</td>
<td>National</td>
</tr>
<tr>
<td>Electric Power Generation</td>
<td>20.0</td>
<td>20.7</td>
</tr>
<tr>
<td>Electric Power Transmission, Distribution and Storage</td>
<td>33.3</td>
<td>21.9</td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>87.5</td>
<td>21.3</td>
</tr>
<tr>
<td>Fuels</td>
<td>66.7</td>
<td>37.9</td>
</tr>
<tr>
<td>Motor Vehicles</td>
<td>40.0</td>
<td>30.0</td>
</tr>
</tbody>
</table>

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

1. Lack of experience, training, or technical skills
2. Competition/ small applicant pool
3. Insufficient qualifications (certifications or education)

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

1. Technician or mechnical support – $25.24 median hourly wage
2. Electrician/construction laborers – $27.32 median hourly wage
3. Management (directors, supervisors, vice presidents) – $45.22 median hourly wage