Kansas

ENERGY AND EMPLOYMENT — 2022

Overview

Kansas had 77,247 energy workers statewide in 2021, representing 1% of all U.S. energy jobs. Of these energy jobs, 13,609 are in electric power generation; 11,429 in fuels; 15,751 in transmission, distribution, and storage; 16,394 in energy efficiency; and 20,065 in motor vehicles. From 2020 to 2021, energy jobs in the state increased by 1,459 jobs, or 1.9%. The energy sector in Kansas represents 5.7% of total state employment.

Figure KS-1.
Employment by Major Energy Technology Application


<table>
<thead>
<tr>
<th>Year</th>
<th>Electric Power Generation</th>
<th>Fuels</th>
<th>Transmission, Distribution, and Storage</th>
<th>Energy Efficiency</th>
<th>Motor Vehicles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>16,203</td>
<td>14,908</td>
<td>17,585</td>
<td>17,848</td>
<td>19,591</td>
</tr>
<tr>
<td>2020</td>
<td>13,929</td>
<td>11,993</td>
<td>16,055</td>
<td>17,948</td>
<td>17,922</td>
</tr>
<tr>
<td>2021</td>
<td>13,609</td>
<td>11,429</td>
<td>15,751</td>
<td>16,394</td>
<td>20,065</td>
</tr>
</tbody>
</table>
Breakdown by Technology Applications

*Electric Power Generation*

The electric power generation sector employed 13,609 workers in Kansas, 1.6% of the national electricity total, and lost 320 jobs over the past year (-2.3%).

**Figure KS-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 58% of jobs. Construction is second largest with 22.6%.

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

The fuel sector employed 11,429 workers in Kansas, 1.3% of the national total in fuels. The sector lost 564 jobs and decreased 4.7% in the past year.

Figure KS-4.
Fuels Employment by Detailed Technology Application

Mining and extraction jobs represent 40.6% of fuel jobs in Kansas.

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

The transmission, distribution, and storage (TDS) sector employed 15,751 workers in Kansas, 1.3% of the national TDS total. The sector lost 305 jobs and decreased 1.9% in the past year.

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

Professional and business services work represents the greatest proportion of TDS jobs in Kansas, accounting for 44% of the sector's jobs statewide.

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

The energy efficiency (EE) sector employed 16,394 workers in Kansas, 0.8% of the national EE total. The EE sector added 574 jobs and increased 3.6% in the past year.

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

EE employment is primarily found in the professional and business services industry.

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

The motor vehicles and component sector employed 20,065 workers in Kansas, 0.8% of the national total for the sector. Motor vehicles and component parts added 2,073 jobs and increased 11.5% in the past year. Repair and maintenance work represents the largest proportion of motor vehicle jobs.

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

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

**Workforce Characteristics**

**Employer Growth**
Employers in Kansas are more optimistic than their peers across the country about energy sector job growth over the next year.

**Table KS-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>2.5</td>
<td>2.2</td>
</tr>
<tr>
<td>Electric Power Transmission, Distribution, and Storage</td>
<td>2.0</td>
<td>1.1</td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>2.3</td>
<td>1.7</td>
</tr>
<tr>
<td>Fuels</td>
<td>2.9</td>
<td>3.0</td>
</tr>
<tr>
<td>Motor Vehicles</td>
<td>3.0</td>
<td>3.2</td>
</tr>
</tbody>
</table>
**Hiring Difficulty**

Employers in Kansas reported 51.6% overall hiring difficulty.

**Table KS-2**

<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>25.3</td>
<td>26.3</td>
<td>9.4</td>
<td>39.0</td>
<td>51.6</td>
</tr>
</tbody>
</table>