Electrical Equipment

This cluster manufactures electronic components, wiring devices, fiber optic cables, switchboards, lighting fixtures, electronic motors, transformers, and related products. The technical report, Metropolitan Chicago’s traded industry clusters, offers extensive data on the characteristics and performance of the Chicago region’s core industrial assets since 2001, available for download at https://cmap.is/Traded-Clusters.

In the Chicago region in 2017, this cluster consisted of

$2.7 billion total output

16,300 jobs

310 establishments

+88% more jobs than national average

Workers in this cluster tend to be more racially diverse than the regional labor force.

48% non-white

35% female

40% over age 50

5% commute by transit

Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).

In recent years, the cluster’s competitive position weakened as it became less specialized in the national context.

<table>
<thead>
<tr>
<th>Largest occupations</th>
<th>Chicago</th>
<th>Atlanta</th>
<th>Los Angeles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Assemblers</td>
<td>-39%</td>
<td>+24%</td>
<td>-35%</td>
</tr>
<tr>
<td>Machinists</td>
<td>-7%</td>
<td>+7%</td>
<td>-1%</td>
</tr>
<tr>
<td>First-Line Supervisors</td>
<td></td>
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<tr>
<td>Mechanical Engineers</td>
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<tr>
<td>Sales Representatives</td>
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</tbody>
</table>

Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).

Note: Job change is from 2001-17, and total output change is from 2007-17.

Middle-skill workers have greater opportunity than the regional average.

$30,039 25th wage percentile

$36,458 50th wage percentile

$68,921 75th wage percentile

40% of workers have an associate’s degree or higher

54% of jobs typically require at least 2 months of on-the-job training

Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).

In 2016, this cluster generated approximately $31.2 billion in freight shipments that originate, terminate, or circulate regionally.

<table>
<thead>
<tr>
<th>Freight trade geography, by value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chicago region</td>
</tr>
<tr>
<td>62% Truck</td>
</tr>
</tbody>
</table>

Source: CMAP analysis of Freight Analysis Framework data (FAF 4.4.1).

Note: Data includes only the Illinois portion of the U.S. Census Bureau combined statistical area. Freight data is not provided for service clusters.