There are 249,983 Americans working in solar as of 2019, according to The Solar Foundation’s latest National Solar Jobs Census. Visit SolarStates.org for details on solar jobs in all 50 states, the District of Columbia, and Puerto Rico.

Pennsylvania now has over 4,000 solar workers. The state has an abundant solar resource and enormous potential for growth if supportive policies are in place.

### Solar Jobs Census 2019

#### Pennsylvania

- **State Solar Jobs:** 4,231
- **State Rank by Net Solar Jobs Added, 2019:** 26
- **Percentage of State Solar Workers Who Are Veterans:** 9.9%
- **New Solar Jobs, 2019:** 12
- **Solar Jobs Growth, 2019:** 0.3%
- **State Rank by Net Solar Jobs Added, 2019:** 26
- **Projected Jobs Growth, 2020:** 4.4%

### Solar Jobs by Sector

<table>
<thead>
<tr>
<th>Sector</th>
<th>Jobs</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>2,026</td>
<td>(4% increase)</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>1,396</td>
<td>(2% decrease)</td>
</tr>
<tr>
<td>Wholesale Trade &amp; Distribution</td>
<td>521</td>
<td>(1% decrease)</td>
</tr>
<tr>
<td>Operations &amp; Maintenance</td>
<td>123</td>
<td>(5% decrease)</td>
</tr>
<tr>
<td>Other</td>
<td>165</td>
<td>(10% decrease)</td>
</tr>
</tbody>
</table>

### Solar Industry Context

- **Cumulative Installed Solar Capacity¹:** 491 MW
- **State Rank for Installed Solar Capacity¹:** 22
- **Enough Solar to Power:** 59,292 homes¹
- **592 Solar Companies²**
- **0.25% of State’s Electricity Generation from Solar³**

Learn more at SolarStates.org
TOP METROPOLITAN STATISTICAL AREAS FOR SOLAR JOBS

2,578
Philadelphia-Camden-Wilmington

954
Pittsburgh

736
Reading

320
Lancaster

DID YOU KNOW?
The city of Philadelphia finalized a power purchase agreement to purchase energy generated by the 80 MW Adams County solar farm. The project will be operational in 2021 and provide 22% of the electricity needed by city-owned buildings.\(^4\)

PENNSYLVANIA

SOLAR POLICY CONTEXT

A
Net Metering Policy Grade\(^5\)

B
Interconnection Policy Grade\(^5\)

Residential solar installations up to 50 kW, non-residential solar installations up to 3 MW, and micro-grid and emergency solar installations up to 5 MW receive compensation for solar sent back to the grid credited at the retail rate. There is no limit to the number of systems covered under net metering.

COMMUNITY SOLAR PROGRAM GRADE\(^2\)

N/A

COMMUNITY CHOICE AGGREGATION STATUS\(^8\)

CCA not available

LEGAL STATUS OF THIRD PARTY OWNERSHIP\(^9\)

Authorized by state, at least in certain jurisdictions

PROPERTY ASSESSED CLEAN ENERGY FINANCING (PACE) STATUS\(^10\)

PACE enabling legislation; In development commercial PACE program

RENEWABLE PORTFOLIO STANDARD\(^2\)

18% by 2020

RENEWABLE PORTFOLIO STANDARD CARVEOUTS\(^9\)

0.5% Solar

STATE INSTALLER LICENSING REQUIREMENTS\(^6\)

One employee must have NABCEP or Electrician’s License

22% Employers Reporting It Was “Very Difficult” to Hire Qualified Employees

STATE RANKING FOR AVERAGE ELECTRICITY PRICE\(^3\)

(10.1 CENTS/KWh)

AVG ELECTRICITY PRICE

PA

1 Wood Mackenzie, Limited and the Solar Energy Industries Association (SEIA), U.S. Solar Market Insight
2 SEIA, National Solar Database
3 U.S. Energy Information Administration
5 Based on Freeing the Grid 2015, Vote Solar, Interstate Renewable Energy Council (IREC), and EQ Research. Grades updated by The Solar Foundation
6 IREC, National Solar Licensing Map
7 IREC, 2019 National Shared Renewables Scorecard
9 North Carolina Clean Technology Center at North Carolina State University, Database of State Incentives for Renewables and Efficiency
10 PACENation, available at pacenation.us/pace-programs/