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.

Despite recent policy challenges, Massachusetts is one of the top 5 solar jobs states with over 10,000 workers. Support for renewable energy at the state and local levels will lead to even more job growth.

**STATE SOLAR JOBS:** 10,400

- **STATE RANKING FOR SOLAR JOBS:** 4
- **STATE RANKING FOR SOLAR JOBS PER CAPITA:** 6
- **New Solar Jobs, 2019:** 190
- **Solar Jobs Growth, 2019:** 1.9%
- **State Rank by Net Solar Jobs Added, 2019:** 16
- **Projected Jobs Growth, 2020:** 10%
- **Percentage of State Solar Workers Who Are Veterans:** 7%

**SOLAR JOBS BY SECTOR**

- **INSTALLATION**
  - Jobs: 6,972
  - Growth, 2020: (3% increase)
- **MANUFACTURING**
  - Jobs: 1,155
  - Growth, 2020: (4.5% decrease)
- **WHOLESALE TRADE & DISTRIBUTION**
  - Jobs: 1,015
  - Growth, 2020: (2% increase)
- **OPERATIONS & MAINTENANCE**
  - Jobs: 820
  - Growth, 2020: (7% increase)
- **OTHER**
  - Jobs: 437
  - Growth, 2020: (8% decrease)

**SOLAR INDUSTRY CONTEXT**

- **CUMULATIVE INSTALLED SOLAR CAPACITY¹:** 2,768 MW
- **STATE RANKING FOR INSTALLED SOLAR CAPACITY¹:** 8
- **ENOUGH SOLAR TO POWER 480,323 HOMES¹:**
- **545 Solar Companies²**
- **13.65% of State’s Electricity Generation from Solar³**

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

8,802
Boston-Cambridge-Quincy

799
Springfield

495
Worcester

389
Providence-New Bedford-Fall River

SOLAR POLICY CONTEXT

Retail rate net metering is available for systems up to 25 kW. Larger systems up to 2 MW are compensated based on size and customer type provided that NEM caps haven’t been reached: Class 1, <60 kW: retail rate; Class 2&3, 60 kW – 2MW: 60% of retail rate. When NEM caps are exceeded, projects up to 5MW can utilize alternative on-bill credit rates for excess, and in-front-of-the-meter generation can utilize the SMART program tariff. The SMART program tariff is based on utility, region and project size. Both residential and nonresidential facilities are subject to demand charges.

STATE INSTALLER LICENSING REQUIREMENTS

Electrician’s License

33%
Employers Reporting It Was “Very Difficult” to Hire Qualified Employees

STATE RANKING FOR AVERAGE ELECTRICITY PRICE

18.5 CENTS/KWh

RENEWABLE PORTFOLIO STANDARD

35% by 2030

RENEWABLE PORTFOLIO STANDARD CARVEOUTS

1,600 MW Solar

COMMUNITY SOLAR PROGRAM

GRADE

B+

COMMUNITY CHOICE AGGREGATION STATUS

CCA enabling legislation

LEGAL STATUS OF THIRD PARTY OWNERSHIP

Authorized by state, at least in certain jurisdictions

PROPERTY ASSESSED CLEAN ENERGY FINANCING (PACE) STATUS

PACE enabling legislation; In development commercial PACE program

DID YOU KNOW?

Solect Energy completed the installation of a 300 kW system on the roof of Daniel L. Joyce Middle School in Woburn, Massachusetts, saving at least $500,000 over the life of the contract.

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/
* Massachusetts has two active community solar programs. “B+” refers to the Community Shared Solar/Virtual Net Metering Program. The state’s Neighborhood Net Metering Program received a “C.”