

ARIZONA

SOLAR JOBS CENSUS 2018



There are **242,343** Americans working in solar as of 2018, according to The Solar Foundation's latest *National Solar Jobs Census*. Visit SolarStates.org to view an interactive map of solar jobs in 2018 by state, county, metro area, and congressional district.

Despite job losses in 2018, Arizona is still one of the top states in the nation for solar employment. The state has an abundant solar resource and enormous potential for growth.



STATE SOLAR JOBS: 7,524



6 STATE RANKING FOR SOLAR JOBS

9 STATE RANKING FOR SOLAR JOBS PER CAPITA

- 857** New Solar Jobs, 2018
- 10.2%** Solar Jobs Growth, 2018
- 48** State Rank by Net Solar Jobs Added, 2018
- 5.7%** Projected Jobs Growth, 2019
- 9.7%** Percentage of State Solar Workers Who Are Veterans



SOLAR JOBS BY SECTOR

INSTALLATION



3,383
(19% decrease)

MANUFACTURING



2,551
(12% decrease)

WHOLESALE TRADE & DISTRIBUTION



689
(12% decrease)

OPERATIONS & MAINTENANCE



496

OTHER



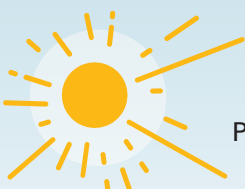
404
(24% decrease)



SOLAR INDUSTRY CONTEXT

3,739 MW
CUMULATIVE INSTALLED SOLAR CAPACITY¹

3 STATE RANKING FOR INSTALLED SOLAR CAPACITY¹



ENOUGH SOLAR TO POWER **552,544** HOMES¹²

452

Solar Companies²

378

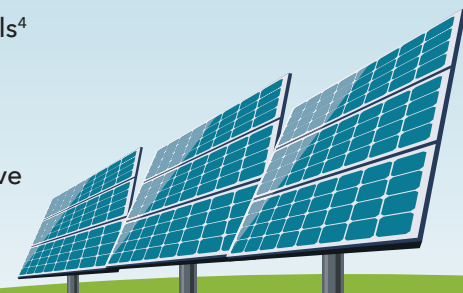
K-12 Solar Schools⁴

14.1%

K-12 Schools Have Gone Solar⁴

6.52%

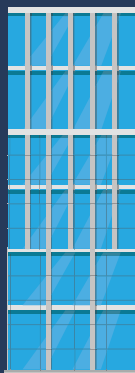
of State's Electricity Generation from Solar³



TOP METROPOLITAN STATISTICAL AREAS FOR SOLAR JOBS

6,653

Phoenix-Mesa-
Scottsdale



607

Tucson



128

Flagstaff



DID YOU KNOW?

One of the largest battery storage systems in the country will be built in Arizona, with 50 MW of storage paired with a 65 MW solar farm. Arizona Public Service plans to add at least 500 MW of battery storage over the next 15 years.⁵

ARIZONA



SOLAR POLICY CONTEXT

F

Net Metering
Policy Grade⁶

F

Interconnection
Policy Grade⁶

Solar installations sized to meet up to 125% of a customer's electric load receive compensation for solar sent back to the grid credited at the avoided cost rate. There is no limit to the number of systems covered.

RENEWABLE PORTFOLIO STANDARD¹⁰

15%

by 2025

RENEWABLE PORTFOLIO STANDARD CARVEOUTS¹⁰

4.5%

Distributed Generation

COMMUNITY SOLAR⁸

N/A

COMMUNITY CHOICE AGGREGATION STATUS⁹

CCA Not Available

LEGAL STATUS OF THIRD PARTY OWNERSHIP¹⁰

Authorized by state, at least in certain jurisdictions

PROPERTY ASSESSED CLEAN ENERGY FINANCING (PACE) STATUS¹¹

N/A

STATE INSTALLER LICENSING REQUIREMENTS⁷



Electrician's License

29%

Employers Reporting It
Was "Very Difficult" to Hire
Qualified Employees

16

STATE RANKING
FOR AVERAGE
ELECTRICITY PRICE³
(Highest to Lowest)

11.08
CENTS/kWh

AVERAGE ELECTRICITY PRICE³

1 Wood Mackenzie, Limited and Solar Energy Industries Association (SEIA), *U.S. Solar Market Insight*

2 SEIA, National Solar Database

3 U.S. Energy Information Administration

4 The Solar Foundation, SEIA, and Generation 180, *Brighter Future: A Study on Solar in U.S. Schools, 2nd Edition*

5 <https://www.utilitydive.com/news/aps-to-install-50-mw-135-mwh-solar-shifting-battery/516850/>

6 *Freeing the Grid 2015*, a joint project of Vote Solar, Interstate Renewable Energy Council, and EQ Research

7 *National Solar Licensing Map*, Interstate Renewable Energy Council

8 Shared Renewables HQ, an initiative of Vote Solar in partnership with Lee Barken

9 Local Energy Aggregation Network

10 North Carolina Clean Technology Center at North Carolina State University, *Database of State Incentives for Renewables and Efficiency*

11 PACENation, available at pacenation.us/pace-programs/

12 SEIA