

# SOLAR ENERGY PROVIDING AMERICAN JOBS IN ALL 50 STATES



# 249,983

WORKERS SPENT THE MAJORITY OF THEIR TIME ON SOLAR-RELATED WORK IN 2019.

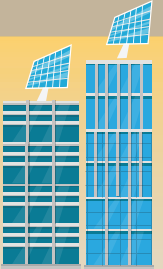
## JOBS BY SECTOR



The U.S. has gained

# 156,000

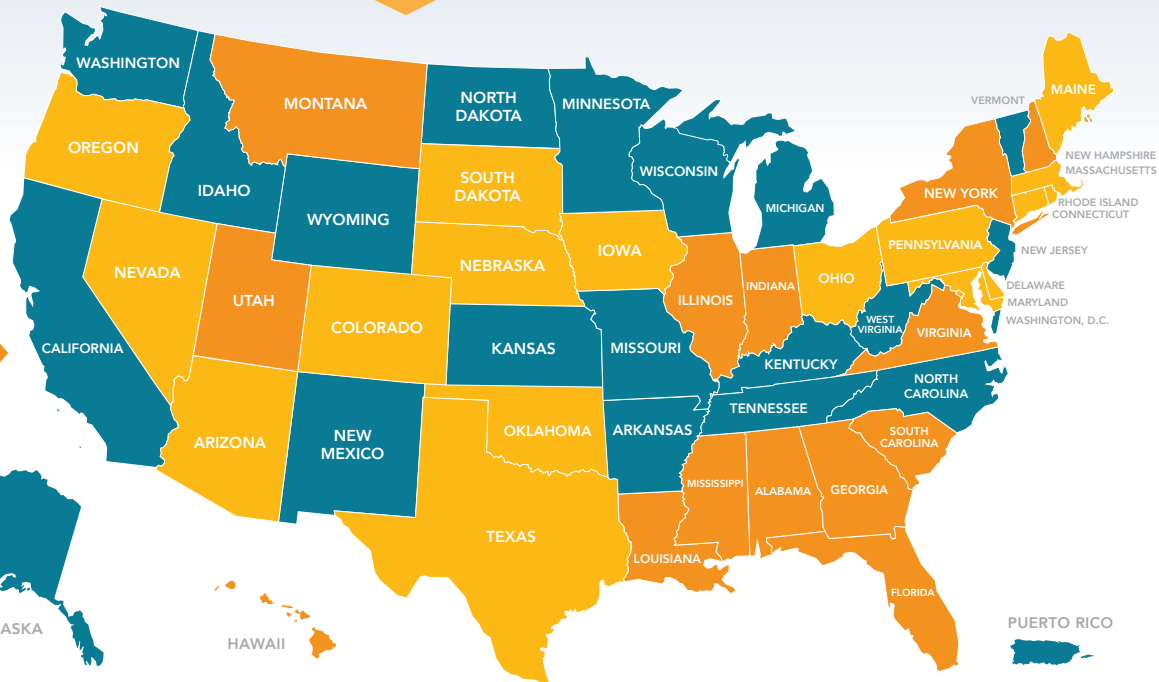
solar jobs since 2010.



In 2019, **249,983** workers spent the majority of their time in solar and **344,532** workers spent some portion of their time in solar.

About **16,000** jobs at solar installation companies focused on battery storage.

## SOLAR JOBS BY STATE, 2019



## SOLAR WORKFORCE DEMOGRAPHICS

26%

Women

17%

Latino/  
Hispanic

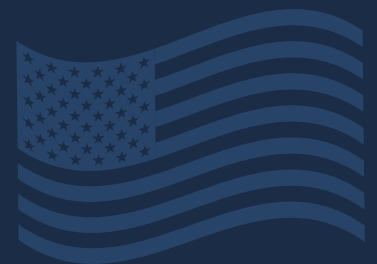
9%

Asian

8%

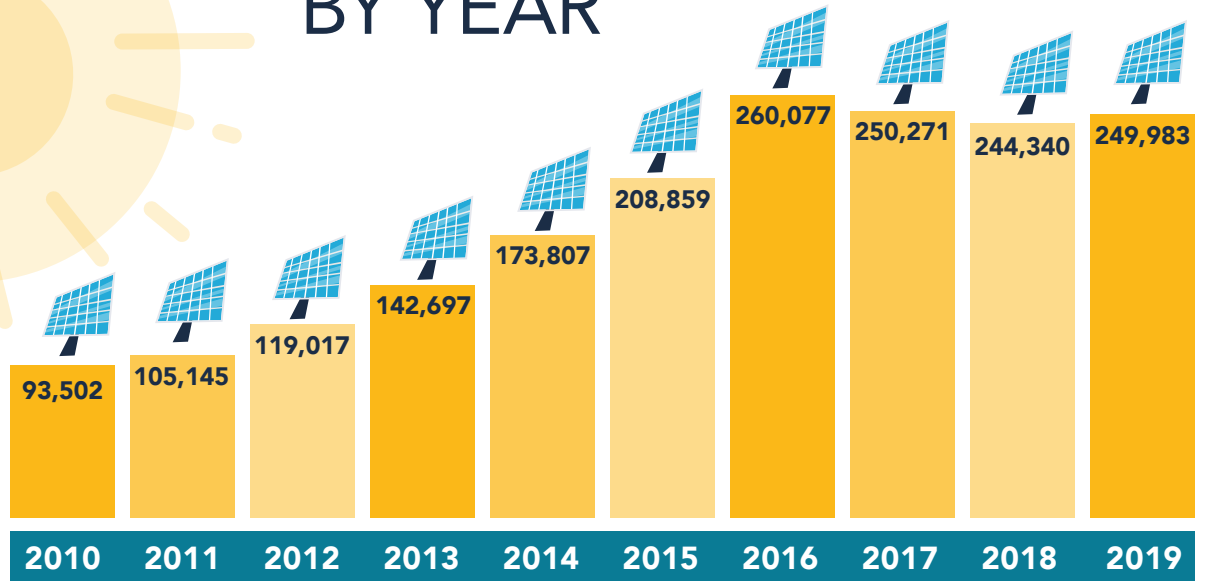
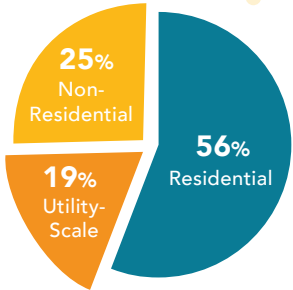
Black/African  
American

Veterans make up **7.6%** of solar workers, compared to **5.9%** of the overall U.S. workforce.



# U.S. SOLAR JOBS BY YEAR

## BY MARKET SEGMENT, 2019



2018 and 2019 jobs numbers include Puerto Rico.

## THE SOLAR JOB MARKET IN 2019

**26%** OF ALL SOLAR EMPLOYERS

&

**33%** OF INSTALLERS & PROJECT DEVELOPERS

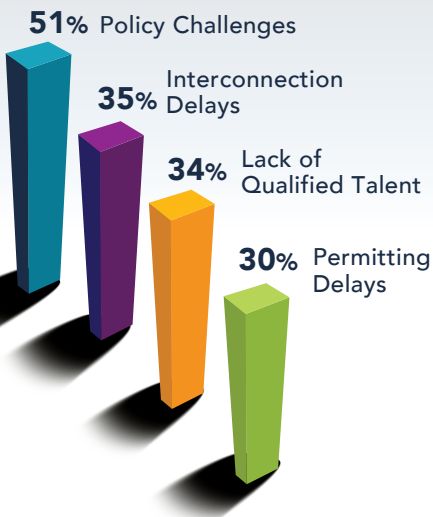
SAID IT WAS "VERY DIFFICULT" TO HIRE QUALIFIED EMPLOYEES.



**12%** of installation staff spend most of their time out-of-state.

### CHALLENGES TO GROWTH

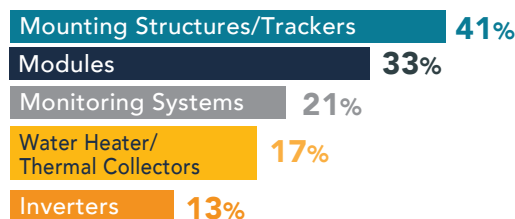
Top challenges companies named as "very significant."



### MOST DIFFICULT POSITIONS TO FILL

1. Sales, marketing, customer service
2. Management
3. Electrician/construction workers

### PERCENTAGE OF U.S. SOLAR MANUFACTURERS THAT PRODUCE THESE COMPONENTS



### MEDIAN WAGES

#### Entry-Level Full-Time Installers:

**\$20/hour** for electricians  
**\$16/hour** for non-electricians

#### Mid-Level Full-Time Installers:

**\$28/hour** for electricians  
**\$23/hour** for non-electricians

#### Manufacturing Production Employees:

**\$15/hour** for entry-level  
**\$22/hour** for mid-level



Learn More at [SolarJobsCensus.org](http://SolarJobsCensus.org)