

Tracking Solar Jobs

The Solar Foundation's
State Solar Jobs Census



About The Solar Foundation

National 501(c)(3) nonprofit
whose mission is to increase
understanding of solar energy
through strategic research that
educates the public and
transforms markets.

www.TheSolarFoundation.org

Census Series

OCTOBER 2010

National Solar Jobs Census 2010



A Review of the U.S. Solar Workforce

OCTOBER 2011

National Solar Jobs Census 2011

JANUARY 2014

National Solar Jobs Census 2013



OCTOBER 2011

National Solar Jobs Census 2012



A Review of the U.S. Solar Workforce

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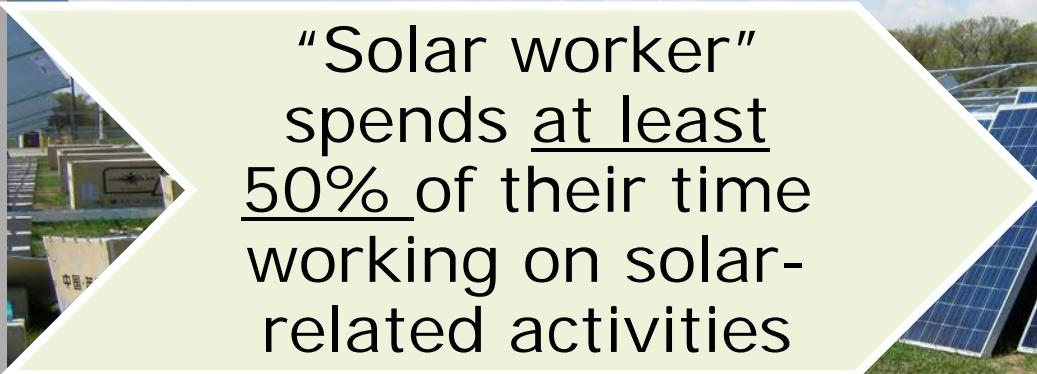
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Highly Rigorous Survey-Based Count of “Solar Workers”



“Solar worker”
spends at least
50% of their time
working on solar-
related activities



Photo Credit: Gro Solar

Employment By Industry Sector



Installation



Manufacturing



Sales and Distribution



Project Development



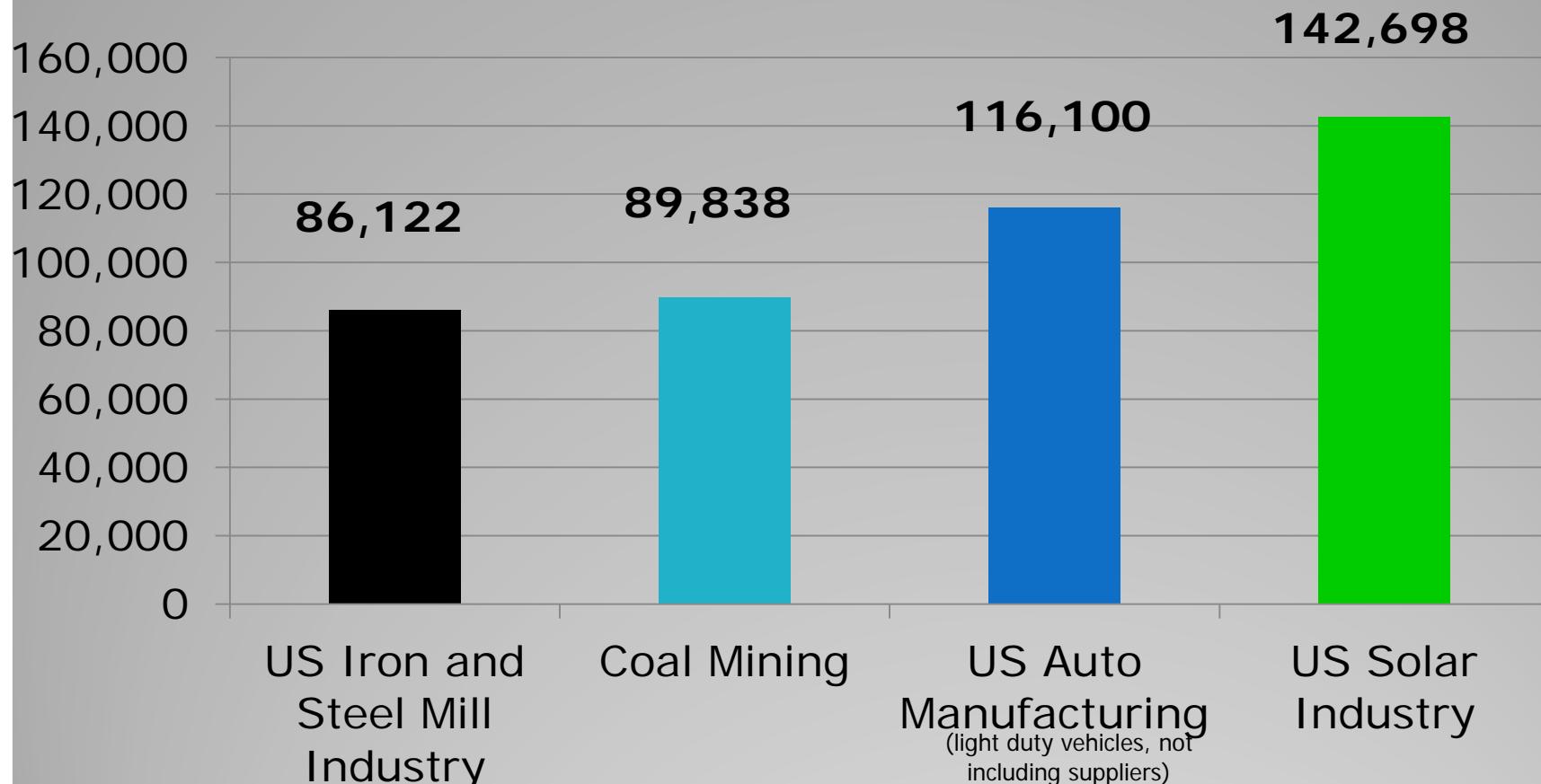
Other

Photo Credits: First Solar, First Solar, NREL, Gro Solar, NREL From Left to right.

NATIONAL SOLAR JOBS CENSUS 2013



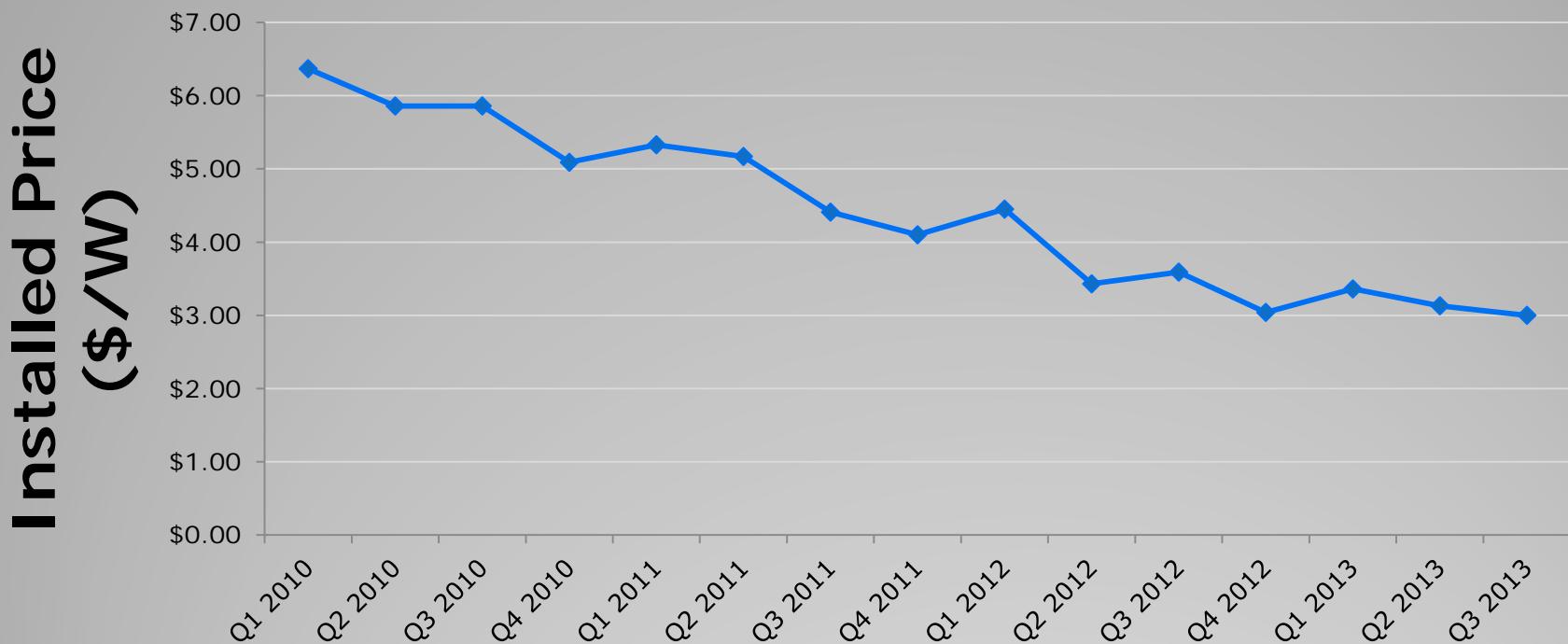
Industry Comparisons



Source: The Solar Foundation and Bureau of Labor Statistics

Drivers of Growth

Capacity-Weighted Average Installed Costs,
2010-2013



Source: SEIA and GTM Research, "Solar Market Insight" report series

California is home to more than 40% of the total installed solar capacity in the US and employs one third of all solar workers in the nation.

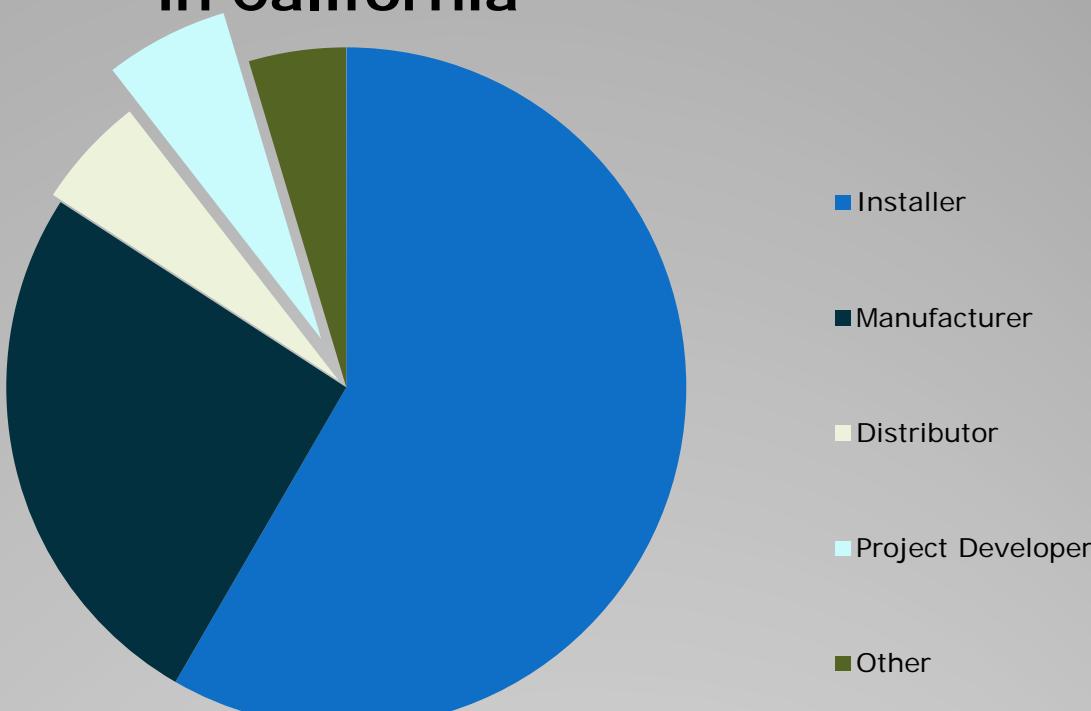


Breakdown by Solar Employment Sectors in California

CA employers expect to add 10,500 (22.3%) in 2014, representing 47% of all solar workers nationwide

CA workers earn more than national solar workers

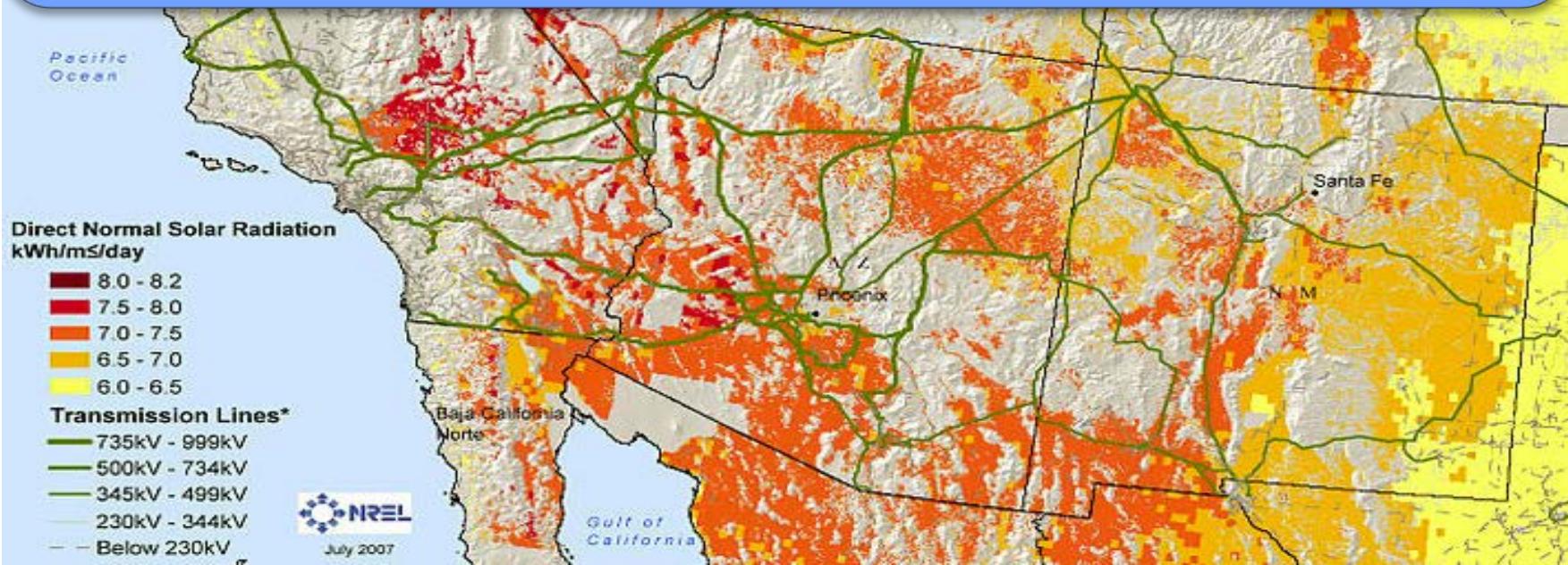
California added 3,500 jobs in 2013 to reach a total of 47,233 solar jobs



Installation = 60% of workers
Manufacturing = 30%
Project Development = 6%

Arizona

Despite having the best solar resource in the US, AZ lost more than any other state. Yet it still accounts for six percent of national solar employment. AZ employers are cautiously optimistic for 2014, expecting 5.6% growth.



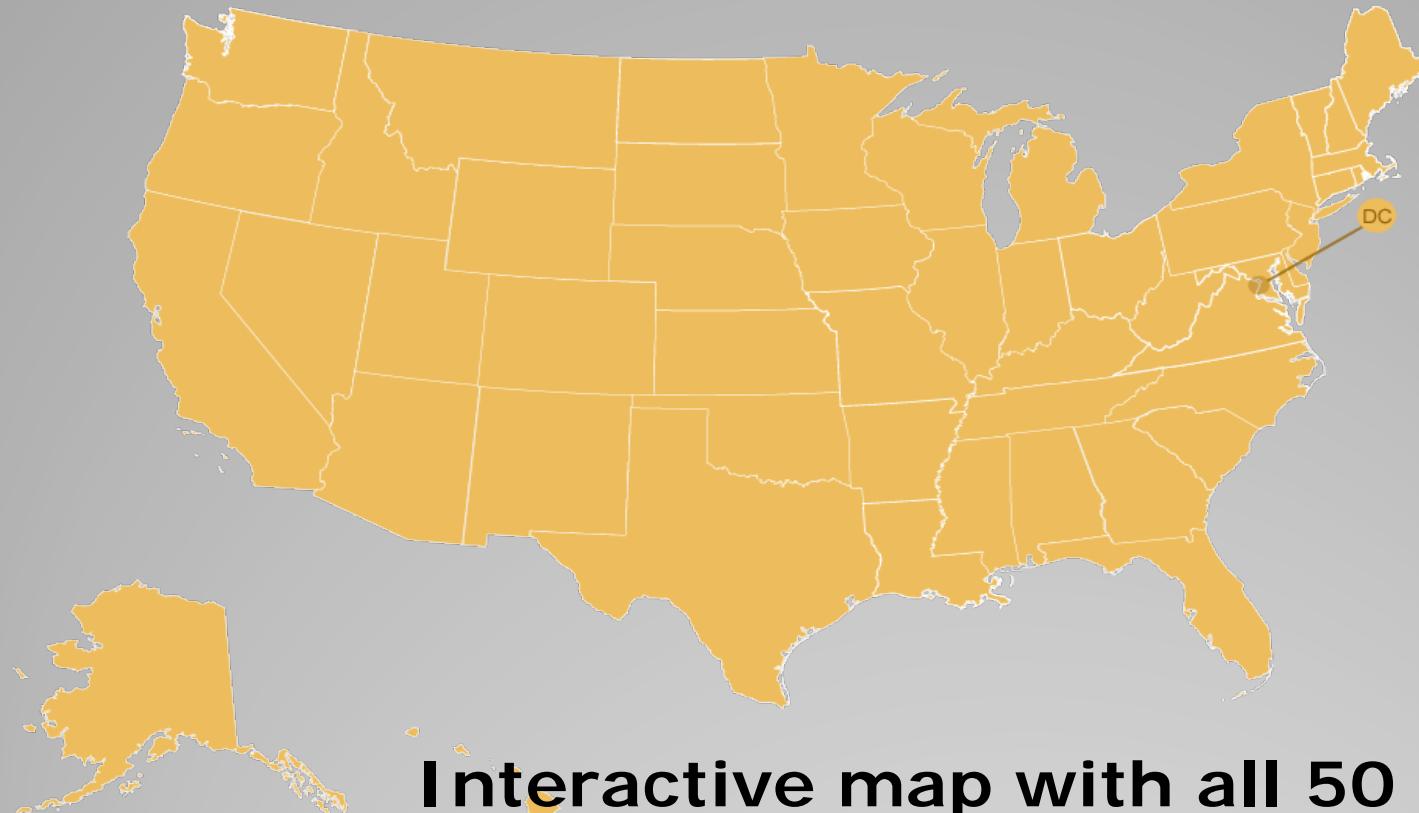
Minnesota

- MN has 858 solar jobs, representing a 73% growth rate over 2012
- MN employers are bullish, with 28% expected growth in 2014
- MN is mandated to increase its solar capacity by 30 fold by 2020



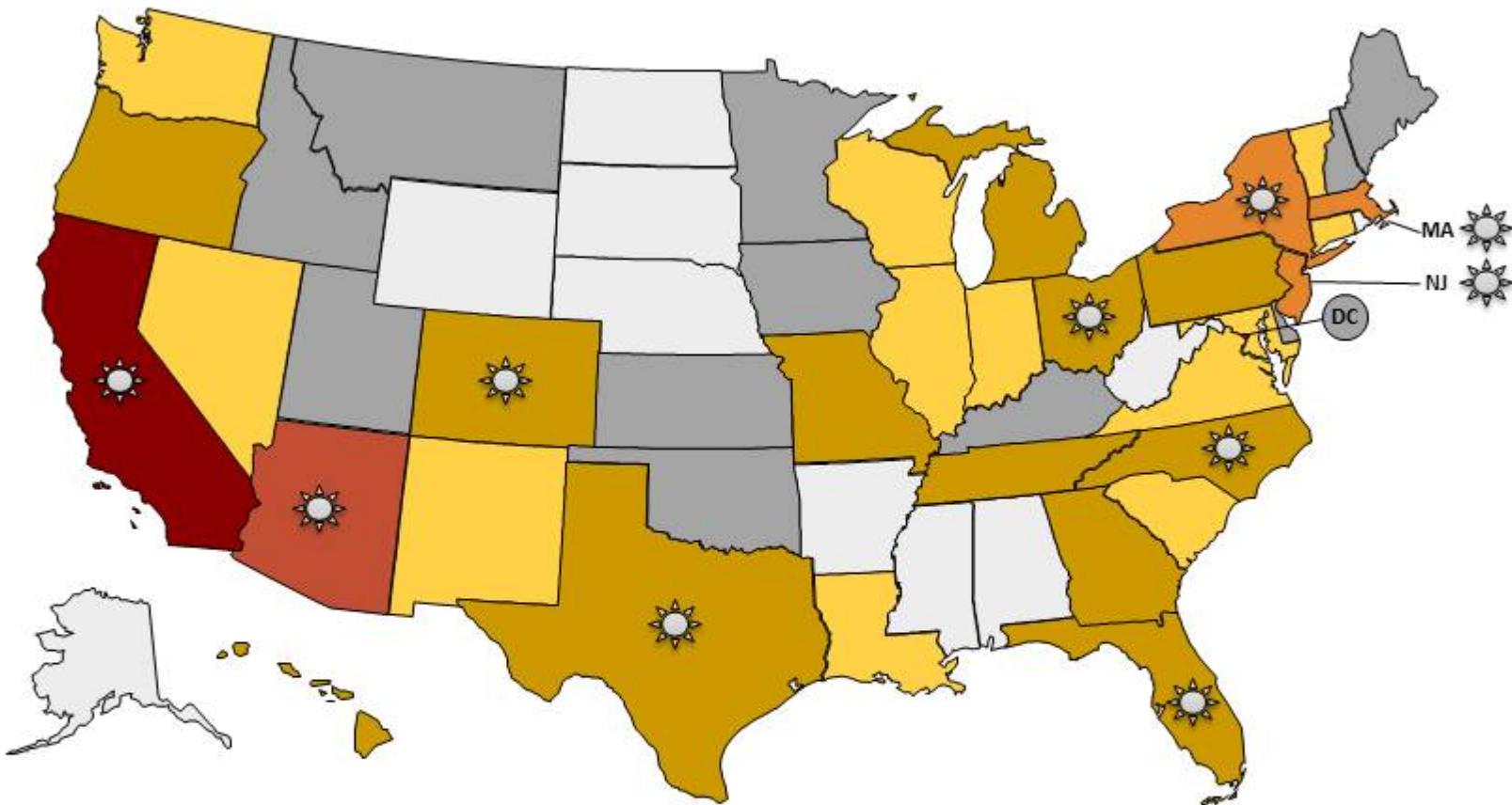
Photo Courtesy Solar Services, Inc.

State by State Snapshots



Interactive map with all 50
states at: www.SolarStates.org

Solar Jobs by State - 2013



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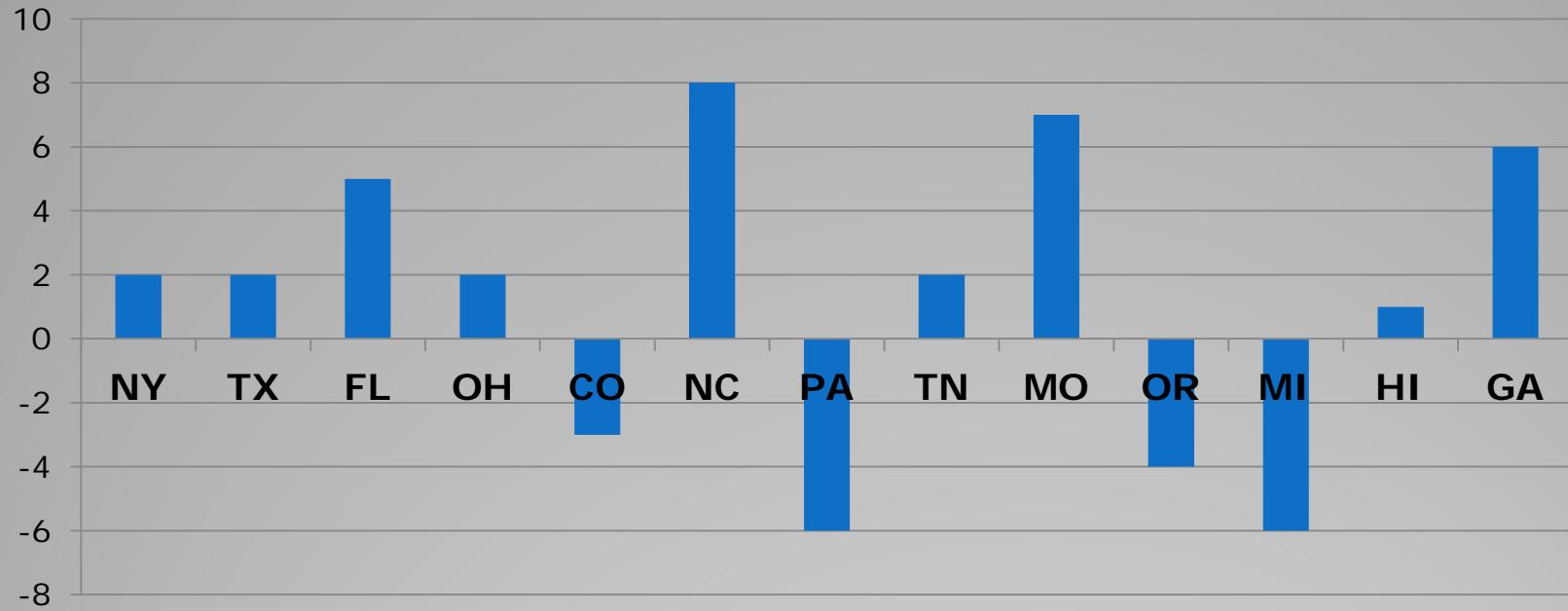
@SolarFound

Top 20 Solar Jobs States

- | | |
|-----------------|-----------------|
| 1. CA = 47,223* | 11. PA = 2,900 |
| 2. AZ = 8,558 | 12. MO = 2,800* |
| 3. NJ = 6,500 | 13. TN = 2,800 |
| 4. MA = 6,400* | 14. OR = 2,700 |
| 5. NY = 5,000* | 15. MI = 2,700 |
| 6. TX = 4,100 | 16. GA = 2,600* |
| 7. FL = 4,000* | 17. HI = 2,600 |
| 8. OH = 3,800 | 18. NV = 2,400 |
| 9. CO = 3,600 | 19. IL = 2,100 |
| 10. NC = 3,100* | 20. WA = 2,000 |

*grew by 1,500 jobs or more

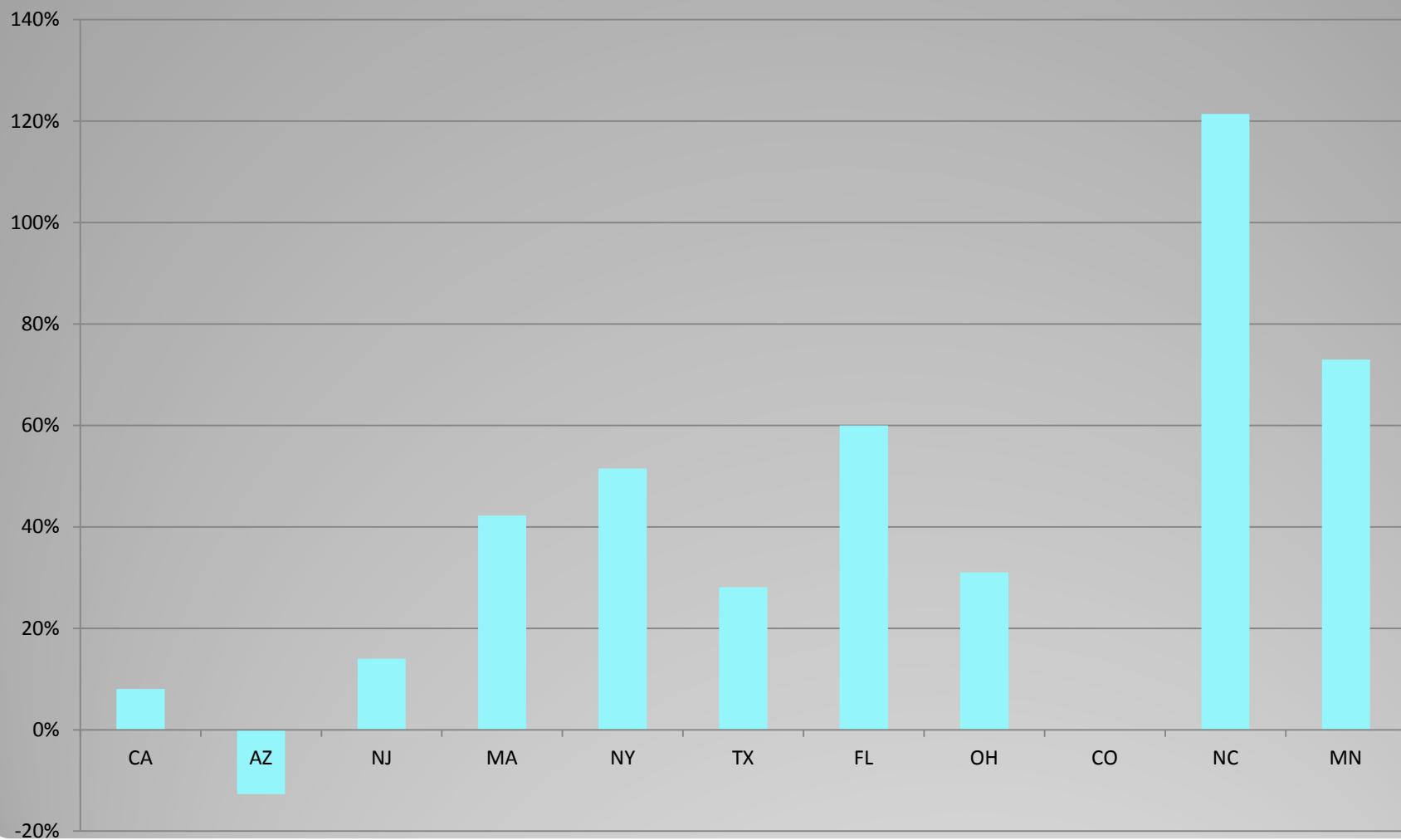
Rank Change from 2012 to 2013



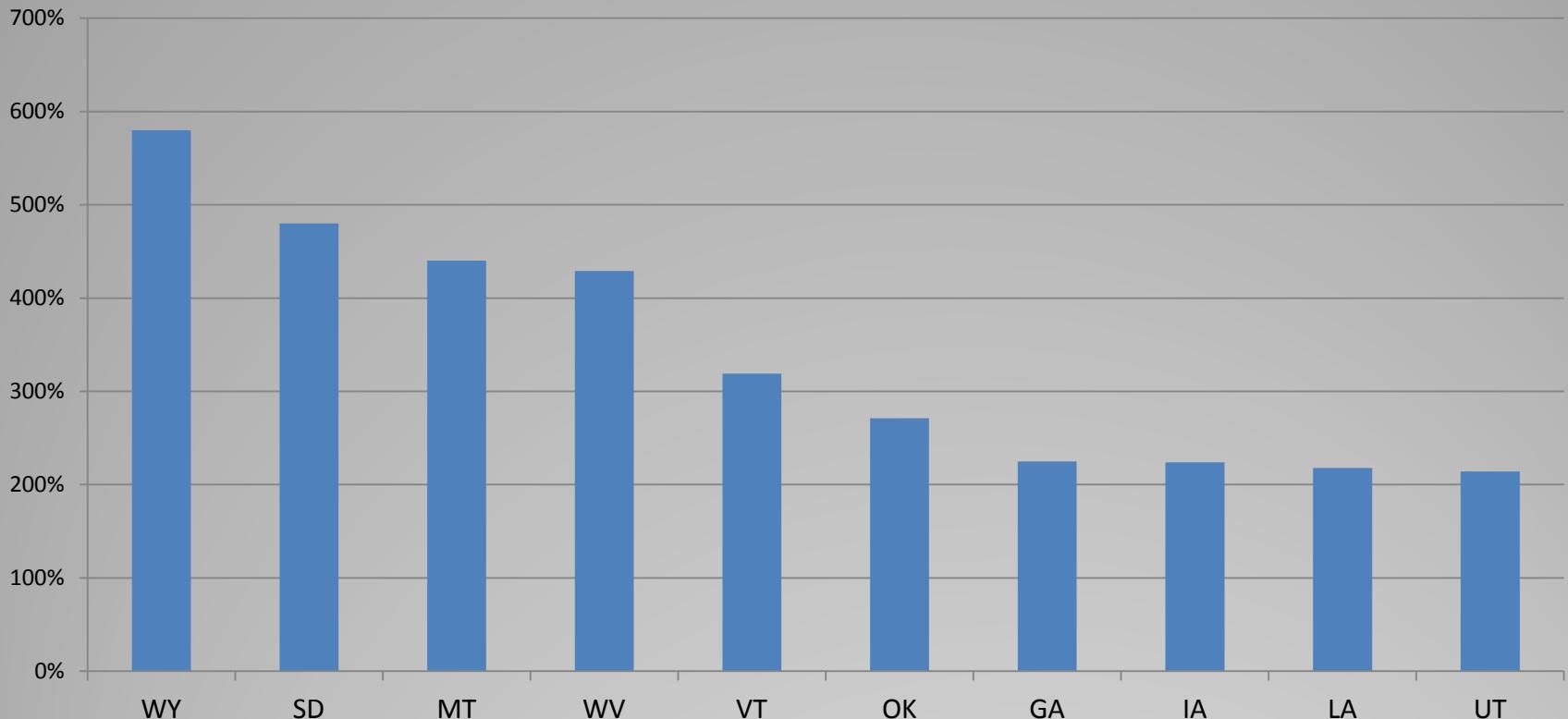
CA, AZ, NJ, and MA
retained their places
in the Top Four

Substantial
movement among
the rest of the states
in the Top Ten

Growth Rate of Top Ten (and MN)



Highest Growth Rates From 2012 to 2013

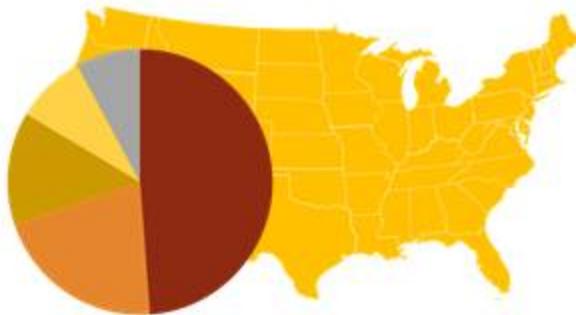


20 states more than doubled
their solar jobs

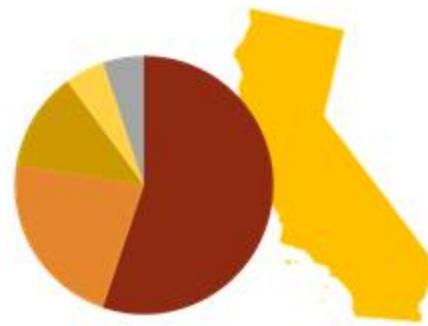
Breakdown of Jobs by Sector

National and Top 5 Solar Job States, 2013

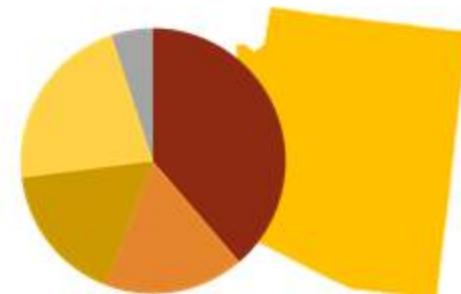
National



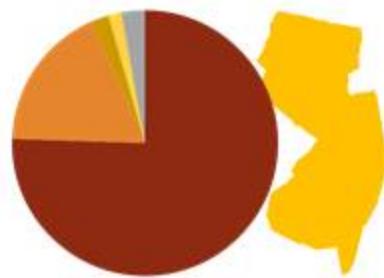
California



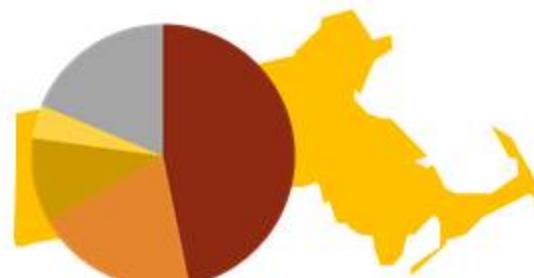
Arizona



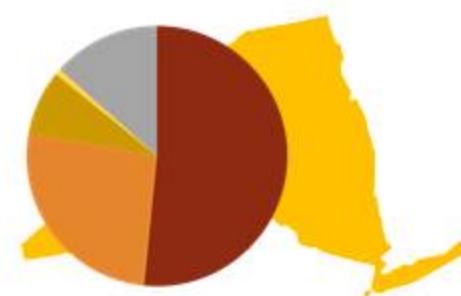
New Jersey



Massachusetts



New York



- Installation
- Manufacturing
- Sales & Distribution
- Project Development
- Other

Questions:

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www.TSFcensus.org
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