Workforce Development Outlook for Renewable Energy

Presented by:
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National Trends and Outlook

Throughout the first three quarters of 2015, **30%** of all new electric generating capacity brought on-line in the U.S. came **from solar**.

The 3.6 GW of installed wind in the first three quarters of **2015 more than doubles** the capacity installed in the first three quarters of **2014.**

Solar Market Insight 2015 Q3 and US Wind Market Industry 2015 Q3 Market Report

Renewable Energy Job Trends

"U.S. solar industry added some 35,000 jobs in 2015 alone."

Median wage for:

- Solar installer - $21/hour
- solar designer - $27/hour
- sales, marketing and customer service professionals- $29/hour

Renewable EnergyWorld.com
thesolarfoundation.org

The SOLAR FOUNDATION

RESEARCH & EDUCATION TO ADVANCE SOLAR ENERGY

2015 National Solar Jobs Census

208,859
Solar Jobs
123% growth
over 5 years

+20.2%
Solar jobs grew more than 20% for the third consecutive year, adding 35,052 jobs in 2015

12x faster
Solar industry employment grew 12 times faster than the overall U.S. workforce, representing
1 in 83
new jobs

Increased demand for solar has driven 8x growth in installed capacity between 2010 and 2015...

610,650
The solar industry supports an additional 610,650 ancillary jobs throughout supply chain

2016 growth
Solar employers anticipate adding 30,000 more workers in 2016, an increase of
14.6%

3x more
Solar now employs three times more people than coal mining (67,929 people)

Read More at TSFCensus.org

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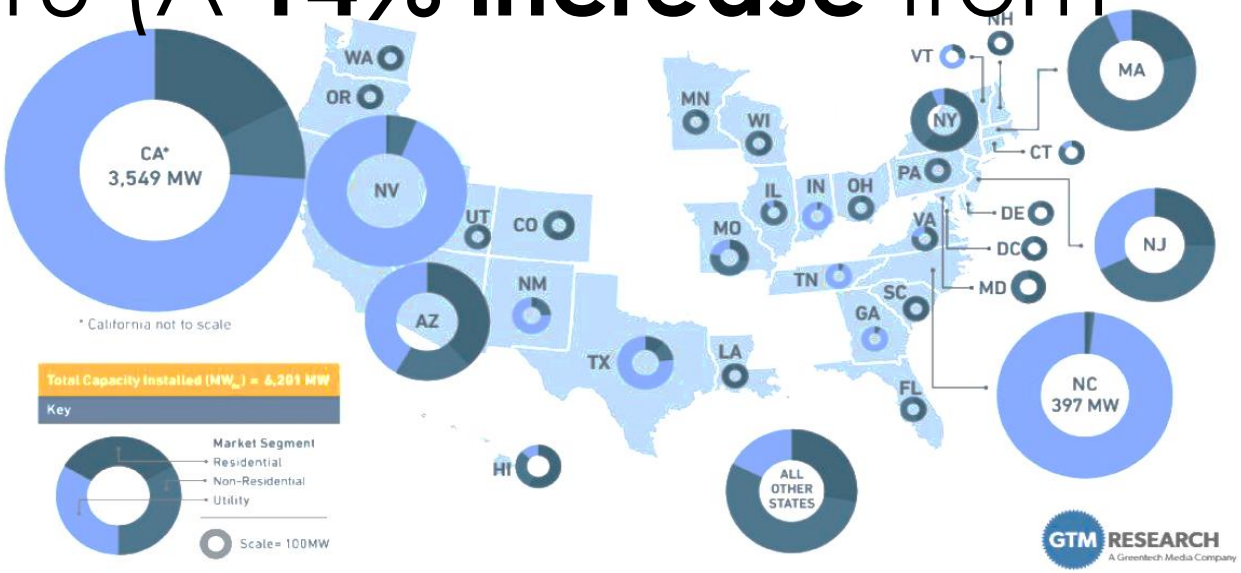
North Carolina – At A Glance

- **2nd in PV capacity** installed in 2015
- NC added 3,159 clean energy jobs in 2015 (A **14% increase** from 2014!)



NC CLEAN ENERGY TECHNOLOGY CENTER

Courtesy: Solar Energy Industries Association

What does this look like in North Carolina?

Director of Sales

Company Confidential
Greensboro , NC

Posted 9 days ago

Maintenance Technician- 2nd Shift- Forest City, NC

Eaton
Forest City , NC

Posted 12 days ago

Contact Center Lead

Franklin Energy Services LLC.
Charlotte , NC

Posted 13 days ago

Civil Engineer (PE)

Experis
Charlotte , NC

Posted 7 days ago

Energy Efficiency Jobs

– 438 Openings as of 9/28/2016

Let's take a look: http://jobs.monster.com/search/?q=energy%20efficiency&where=North%20Carolina

Solar Jobs as of 9/28/2016 = 145 Jobs Found

Let's take a look:
http://jobs.monster.com/search/?q=solar&where=North-Carolina

SOLAR PANEL ELECTRICIANS

Catalyst QLM
Mocksville , NC

Posted 4 days ago

Solar Labor

Tradesmen International, Inc.
MONROE , NC

Posted 2 days ago

Lead Electrical Estimator

CenterStar Energy Services, LLC
Charlotte , NC

Posted 16 days ago

Regional Sales & Training Manager

Energy Solutions of America, Inc.
Charlotte , NC

Posted 1 days ago

What do employers look for?

- **The Basics**
- **Experience and/or Skill**

  i.e. sales, construction, electrical
- **Credentials**
  - Professional license (Electrical), BPI, RESNET, NABCEP, Associates degree, Engineering,

How to get the Credentials?

- Community College programs
- Certificate Programs
- Take our courses!

Graduates of the Renewable Energy Technologies Diploma Series with the rest of the Operations and Maintenance for PV Systems class.

NCSU –Continuing Ed Classes (Clean Energy)

- Renewable Energy Technologies Diploma Series
- Facilities Engineering Management Diploma
- Energy Management Diploma

Thank you!

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