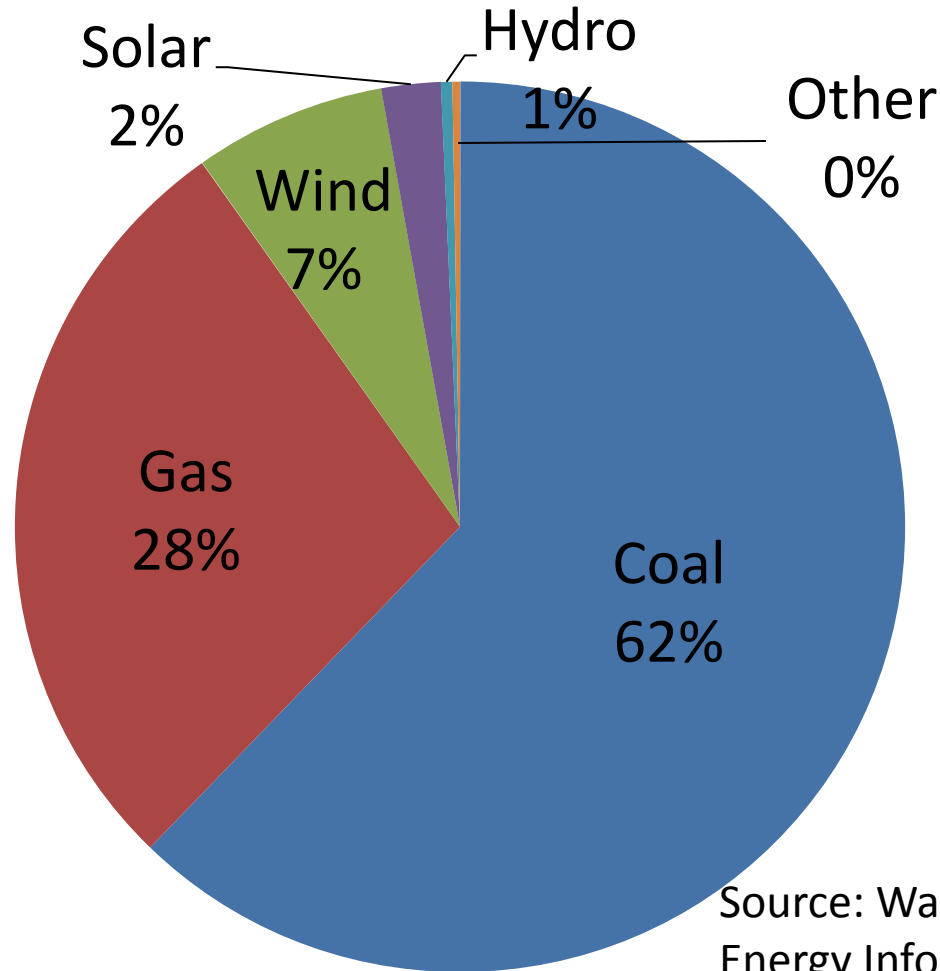




Sanders Moore
Director

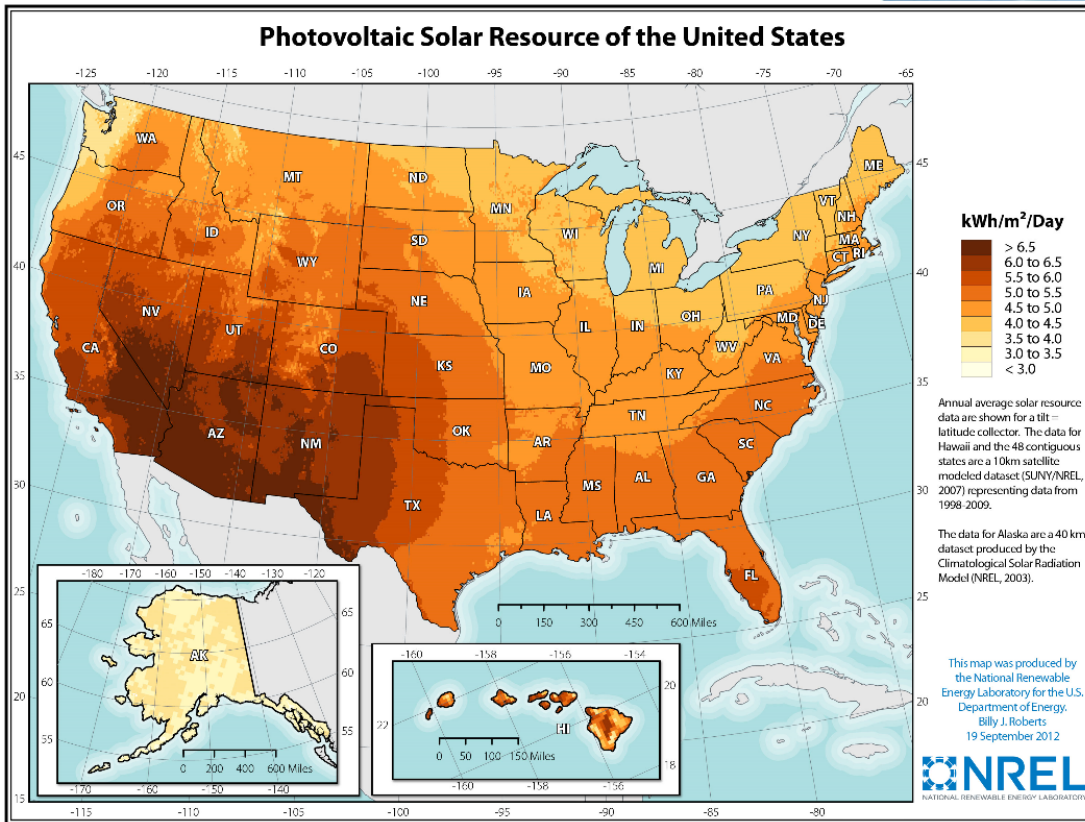
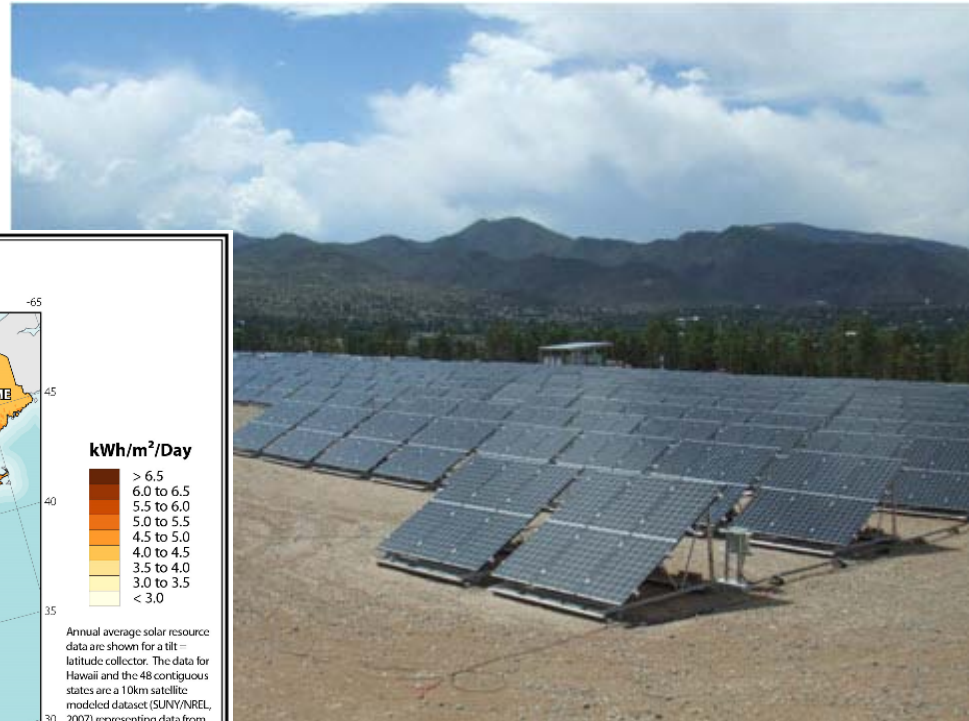
New Mexico Electricity Generation, first half of 2015



Source: Washington Post analysis of
Energy Information Administration,
<http://wapo.st/1PE4jJN>

2nd sunniest state – <3% of electricity from sun

New Mexico could produce
>1400x energy consumed
in state with solar



Sources: NREL 2012 report on potential electricity generation; EIA 2012 report on energy consumption

2014 TOP 10 SOLAR STATES

Learn more at seia.org/smi

State ranking based on the amount of solar electric capacity installed in 2014



● Installed in 2014 (MW)¹
▲ Homes powered by solar² (10,000 homes)
an estimate of the number of homes powered per megawatt of solar capacity added in 2014, including both photovoltaic and concentrating solar power

1 California



California installed more solar in 2014 than the entire country did from 1970-2011.

2 North Carolina



3 Nevada



4 Massachusetts



5 Arizona



6 New Jersey



Over 8,000 solar installations were completed in New Jersey in 2014 - a new state record.

7 New York



New York installed as much solar in 2014 as it did in the last three years combined.

8 Texas



Texas installed a state record 129 MW in 2014 - with double that total expected in 2015.

9 Hawaii



As of 2014, nearly 1 in 8 homes in Hawaii have installed solar.

10 New Mexico



In 2014, New Mexico doubled the amount of solar installed there during 2013.

TOP 10 SOLAR STATES *REMIXED*



Number of Solar Jobs³



Solar Capacity Per Capita (watts/person)⁴



Cumulative Solar Capacity Installed (MW)¹



Percentage of New Electrical Capacity from Solar⁵

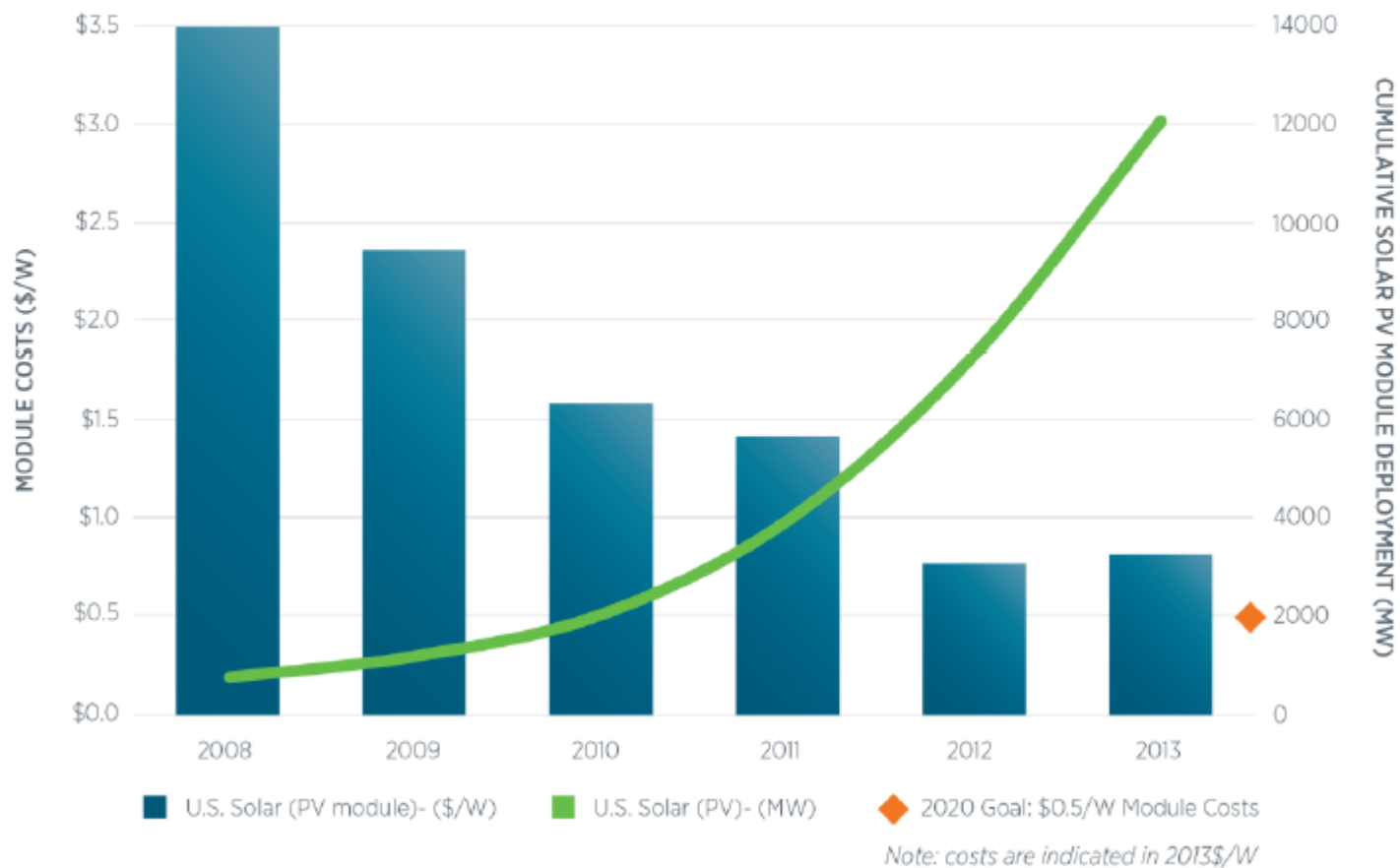


Get solar data from the SEIA/GTM Solar Market Insight Report. Learn more at SEIA.org/smi

(1) SEIA/GTM Research U.S. Solar Market Insight 2014 Year in Review seia.org/smi
 (2) SEIA, "What's In a Megawatt?" seia.org/whats-megawatt
 (3) The Solar Foundation, State Solar Jobs 2014 solarstates.org
 (4) SEIA/GTM Research U.S. Solar Market Insight 2014 Year in Review; U.S. Census Bureau
 (5) EIA Electric Power Monthly, March 2015

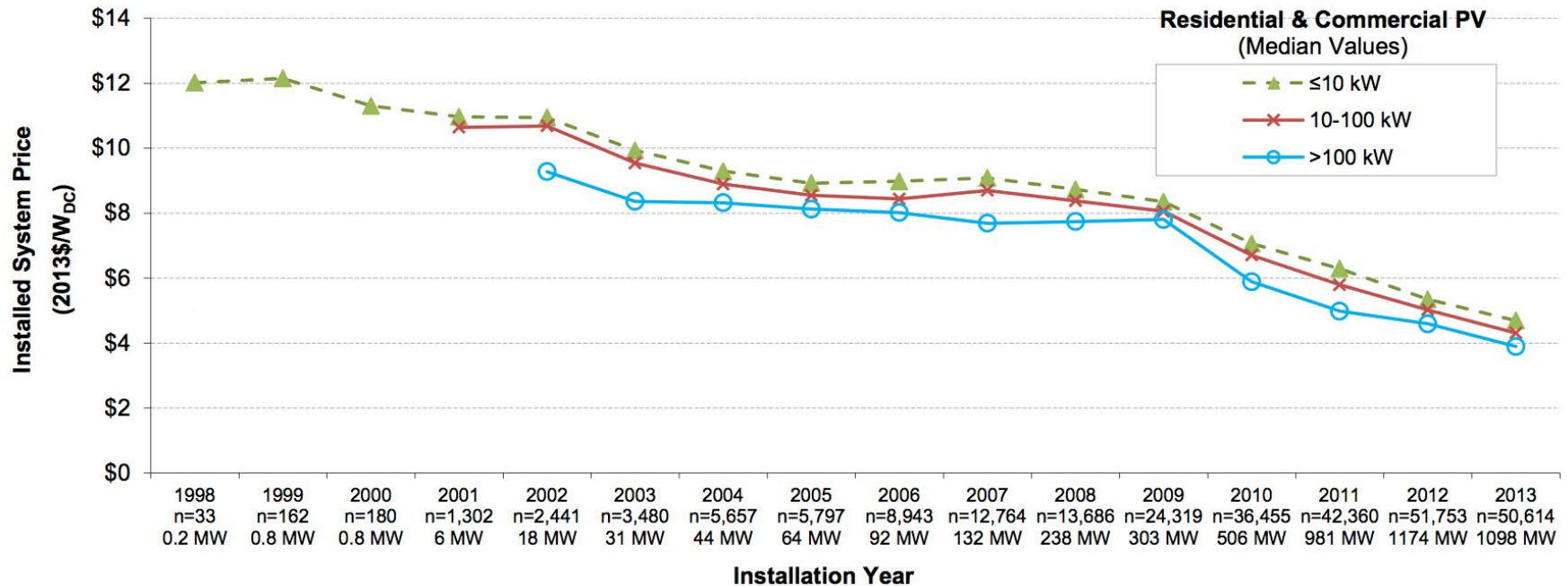


U.S. Deployment and Cost for Solar PV Modules 2008-2013



Source: Department of Energy, Revolution Now: The Future Arrives for Four Clean Energy Technologies, October 2014, http://energy.gov/sites/prod/files/2014/10/f18/revolution_now_updated_charts_and_text_october_2014_1.pdf

Median Installed Prices of Residential and Commercial PV Systems Over Time



- Since 1998, reported PV system prices have fallen 6-8% per year on average
- From 2012 to 2013, reported prices fell by \$.065/W (12%) for systems ≤10kW
- and by \$.070/W (15%) for systems >100kW

Source: Department of Energy, SunShot Program, Photovoltaic System Pricing Trends presentation, Sept. 22, 2014



Recent examples

- Austin Energy got 1.2 MW RFP for >\$.04/kWh in June 2015
- NV Energy agreed to pay \$0.0387/kWh from a 100-MW project in July 2015 – declared “the cheapest electricity in the U.S.”

Sources:

1. Austin Monitor: <http://www.austinmonitor.com/stories/2015/06/solar-prices-keep-dropping-says-austin-energy/>
2. Bloomberg: <http://www.bloomberg.com/news/articles/2015-07-07/buffett-scores-cheapest-electricity-rate-with-nevada-solar-farms>

New Mexico Solar Jobs

- > 60 solar businesses in New Mexico
- 1,600 jobs in solar industry in New Mexico
- 45% increase in solar jobs between 2012-2014

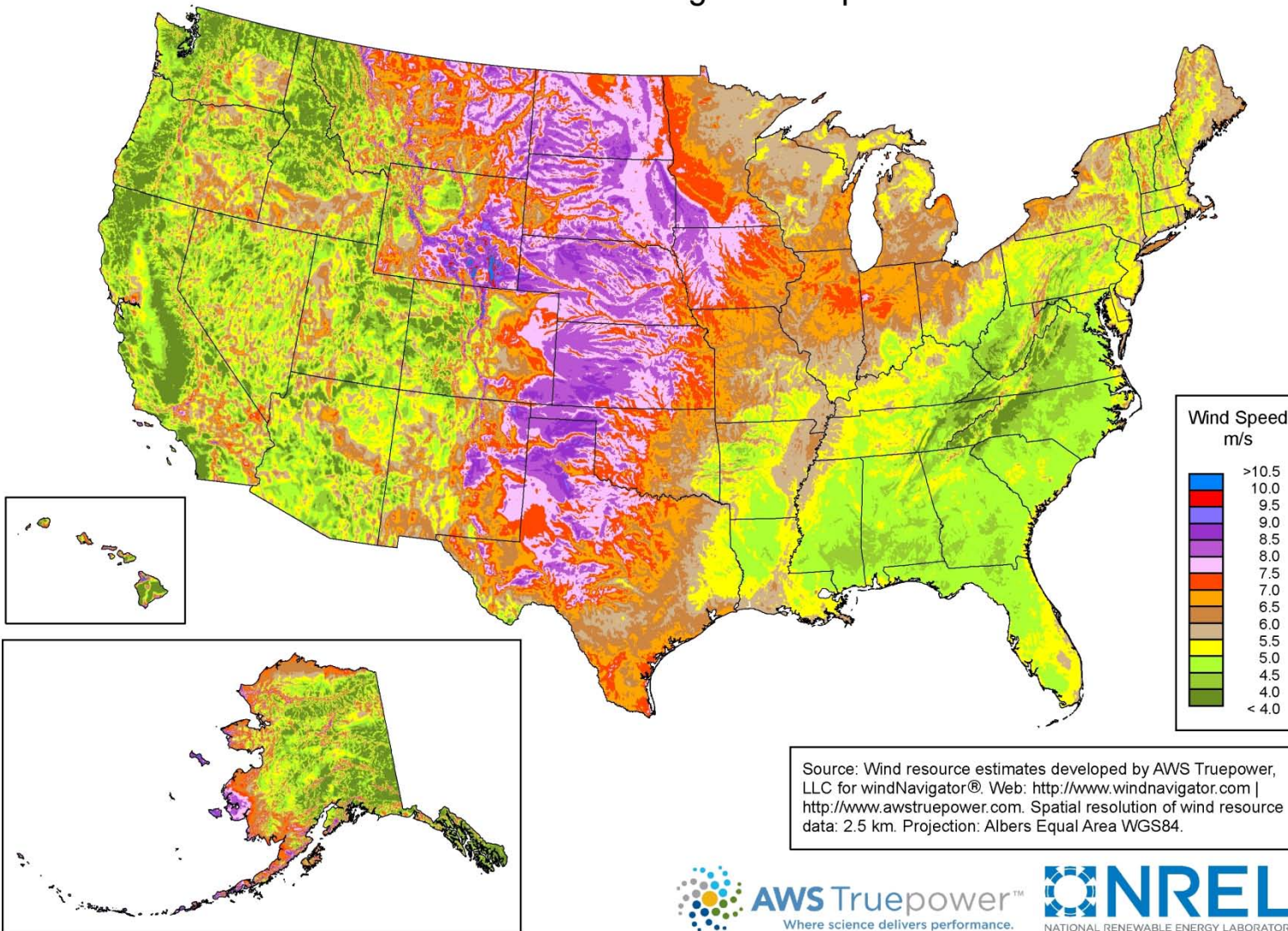


12th windiest state –
6.5% of electricity from wind

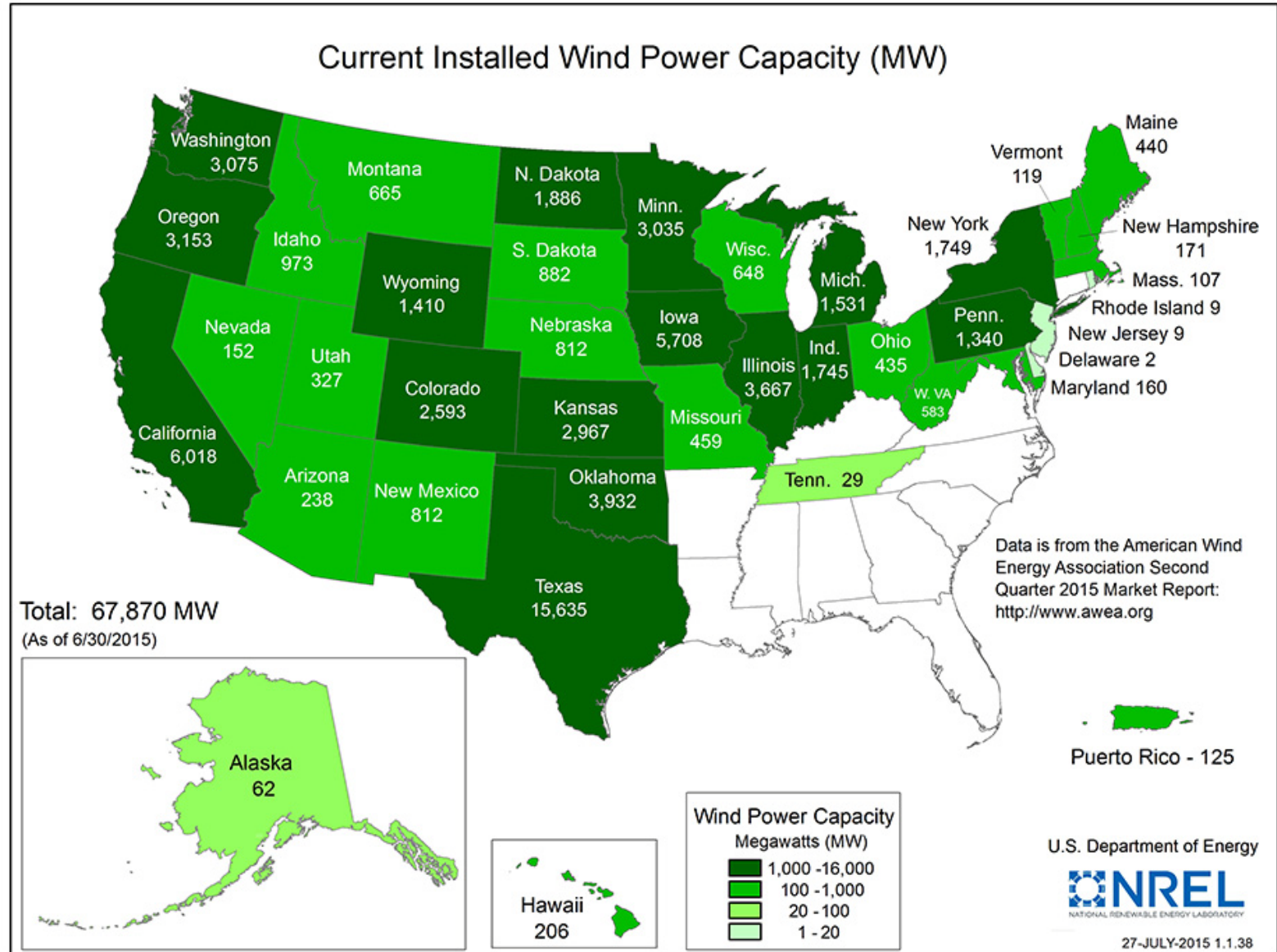


Wind Potential

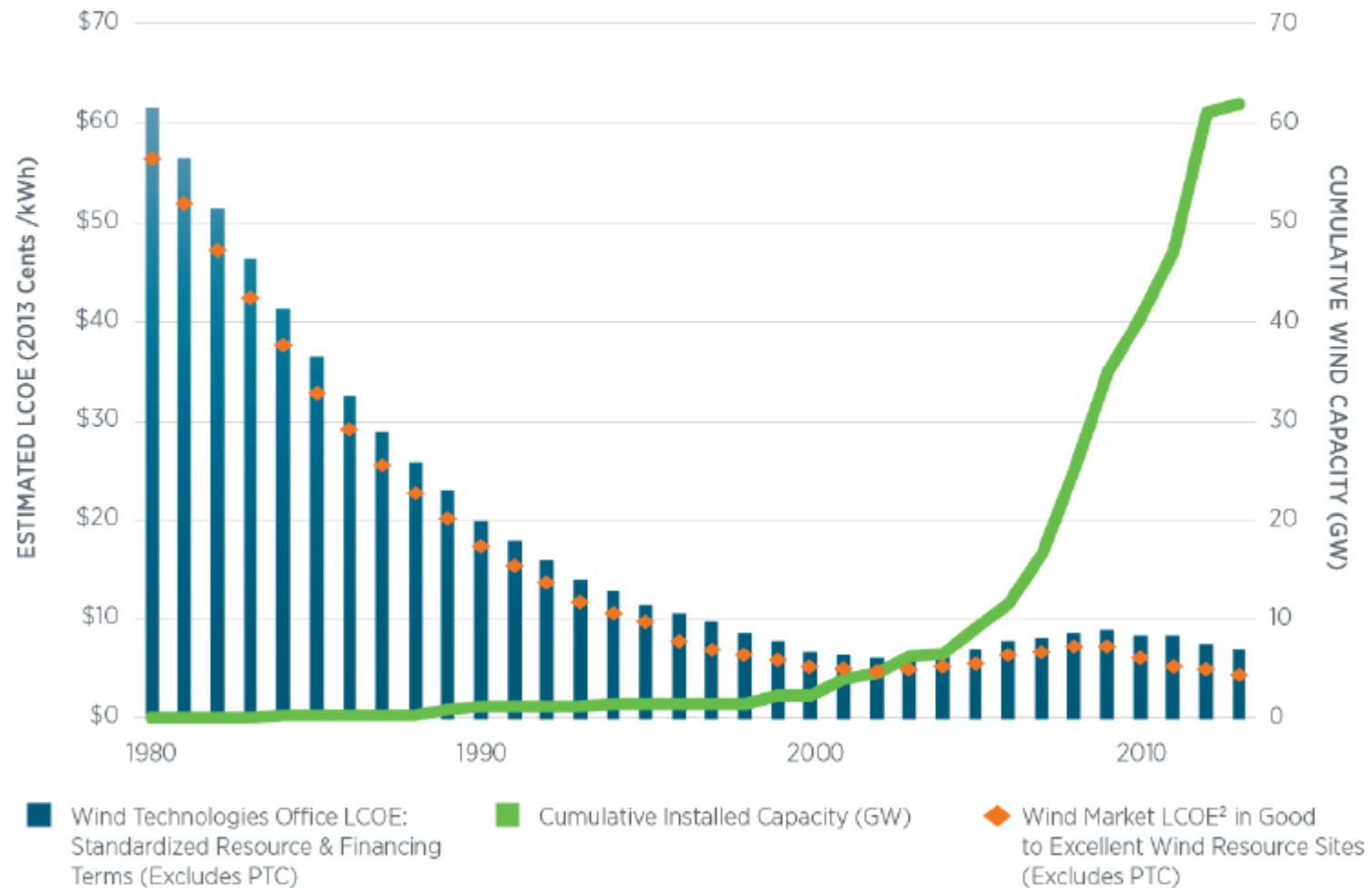
United States - Annual Average Wind Speed at 80 m



New Mexico is 18th in wind production



U.S. Deployment & Cost for Land-Based Wind 1980-2013



Source: Department of Energy, Revolution Now: The Future Arrives for Four Clean Energy Technologies, October 2014, http://energy.gov/sites/prod/files/2014/10/f18/revolution_now_updated_charts_and_text_october_2014_1.pdf

New Mexico Wind

- **1000 total wind jobs in New Mexico**
- The [New Mexico Wind Energy Center](#) will bring more than \$40 million into rural De Baca and Quay counties over 25 years: including \$450,000/yr in payments in lieu of taxes to be made to the county governments and school districts; ~\$550,000/yr in lease payments to landowners; and an estimated \$500,000 in salaries for the permanent jobs to be created.

Sources: American Wind Energy Association; EMNRD:
<http://www.emnrd.state.nm.us/ECMD/RenewableEnergy/wind.html>



Summary

- Prices of solar and wind continue to decrease over time
- 2,600 New Mexicans employed in wind and solar
- New Mexico could generate >1500x energy than used in state
- New Mexico could be a national leader in renewable energy



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