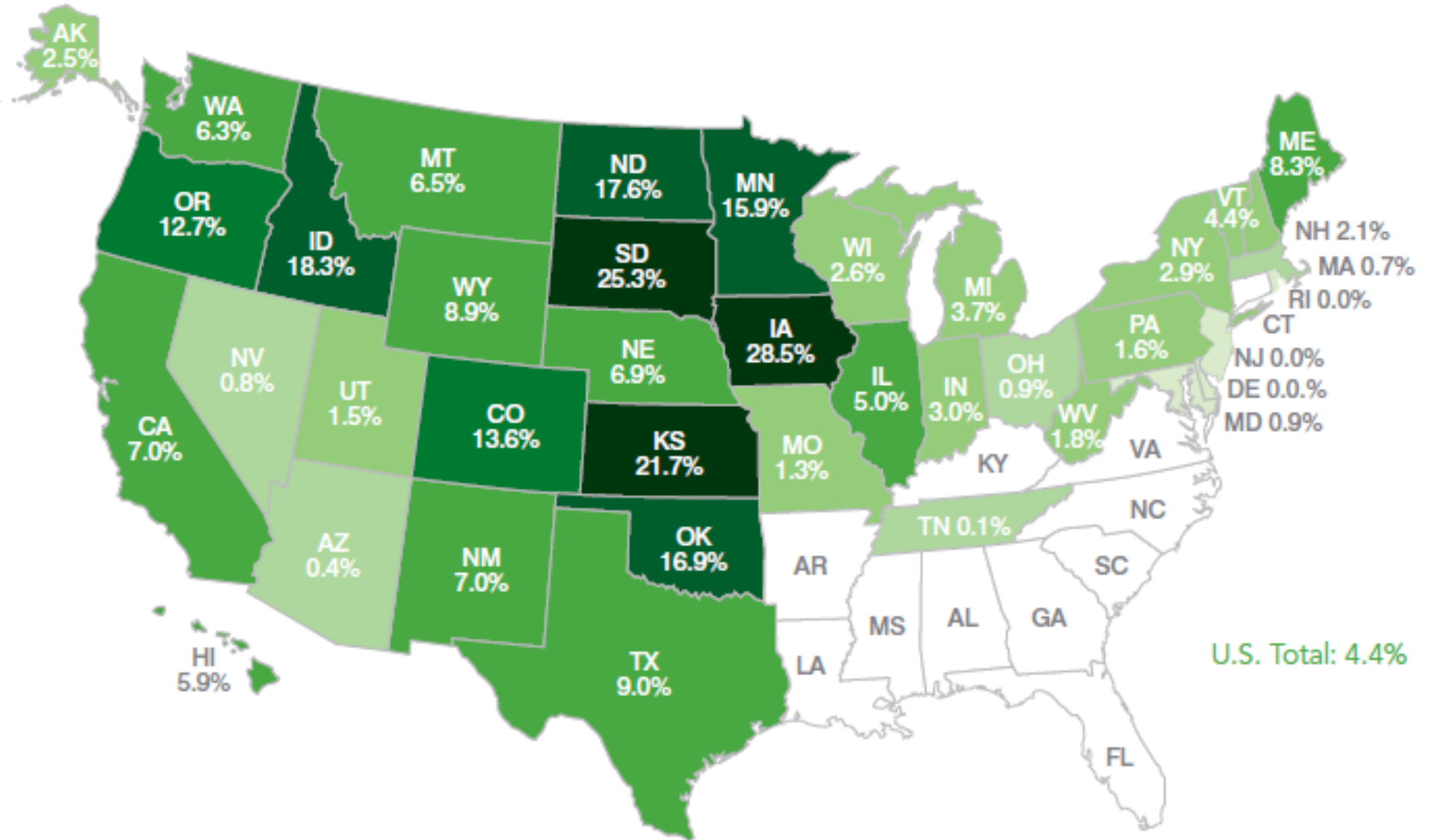


Wind energy: a low-cost, reliable compliance option for the Clean Power Plan

Susan Williams Sloan
VP, State Policy
American Wind Energy Association

National Foundation for Women Legislators
September 2015

U.S. Wind Energy Share of Electricity Generation, by State

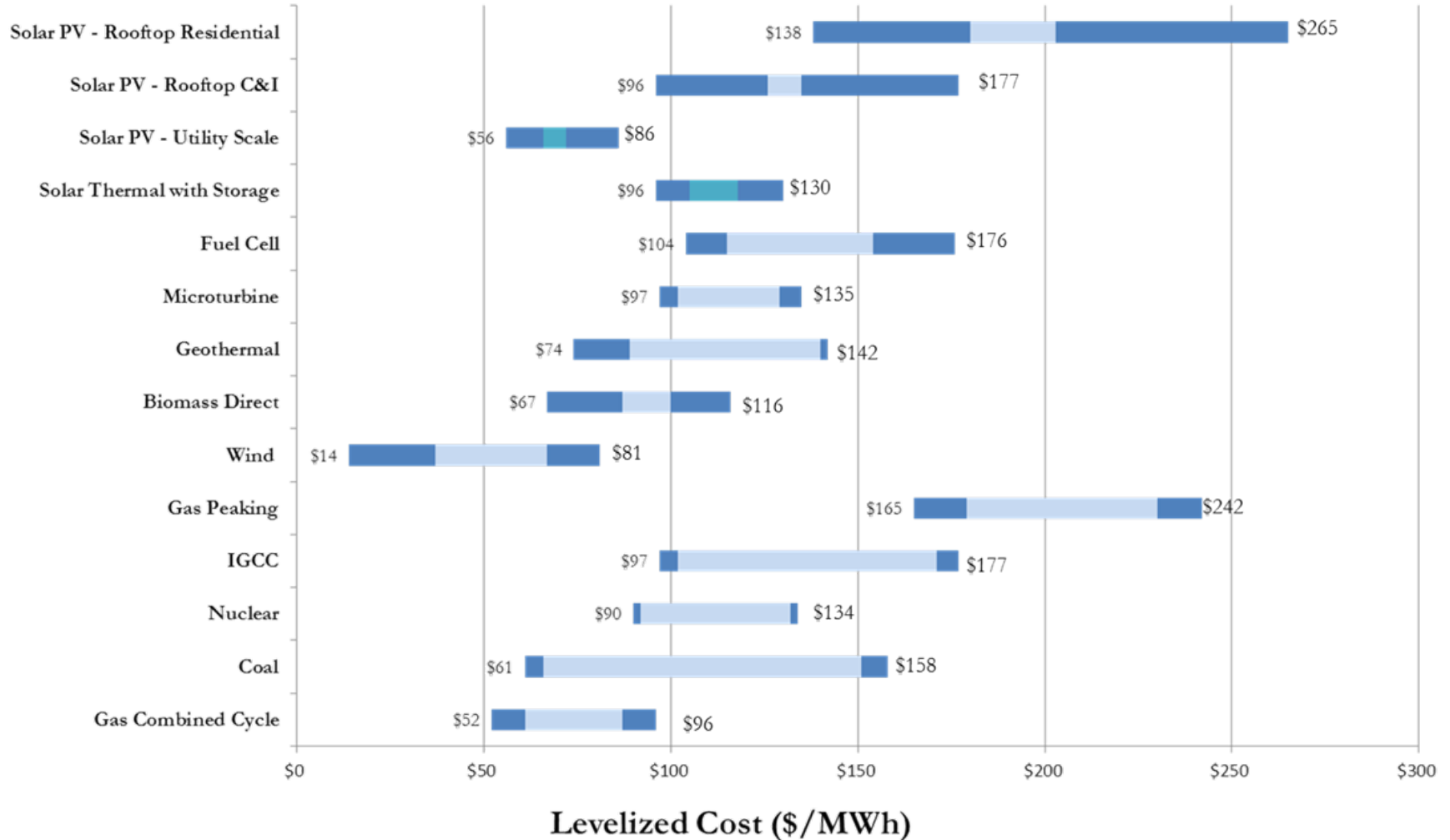


U.S. Total: 4.4%

Legend:
■ < 1%
■ 1% to <5%
■ 5% to <10%
■ 10% to <15%
■ 15% to 20%
■ 20% and higher

Comparative cost of generating technologies, fuel price risk

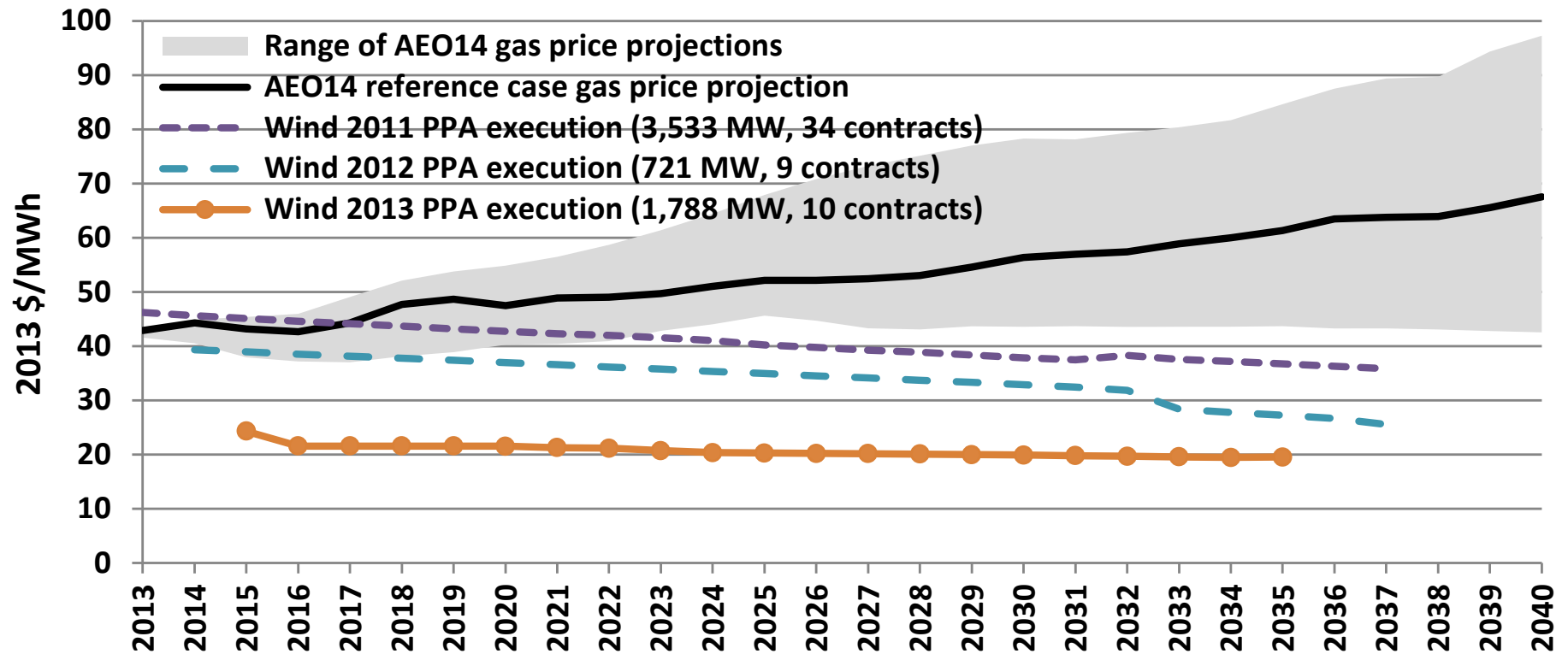
Comparison below show the range of renewable energy costs with and without federal production or investment tax incentives compared to generating technologies that have fuel price risk.



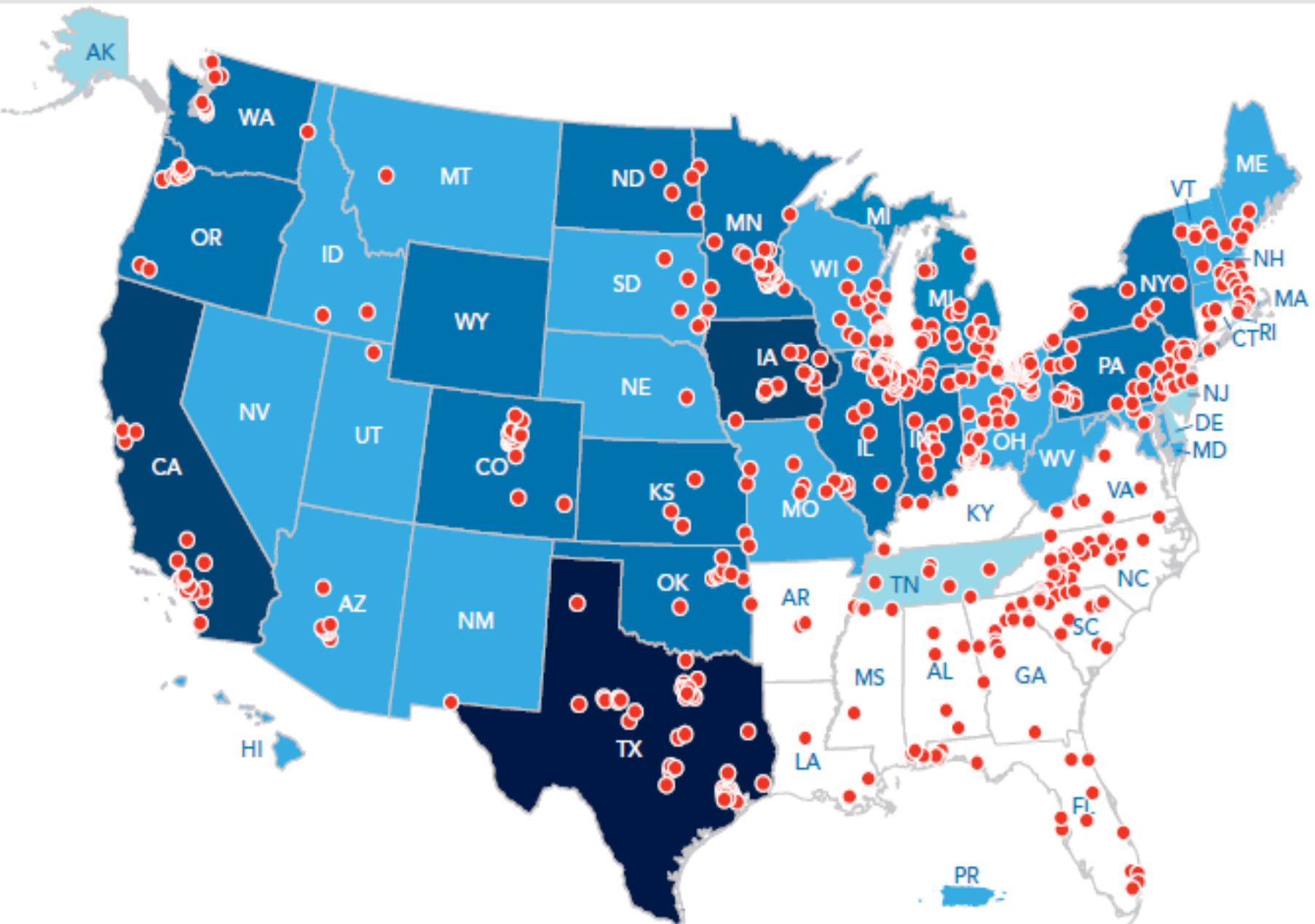
Source: AWEA combination of data from multiple charts in Lazard's Levelized Cost of Energy Analysis – Version 8.0, available at:

<http://www.lazard.com/pdf/levelized%20cost%20of%20energy%20-%20version%208.0.pdf>

Wind as a Long Term Hedge; Prices w/ PTC are Below the Current & Expected Future Cost of Gas

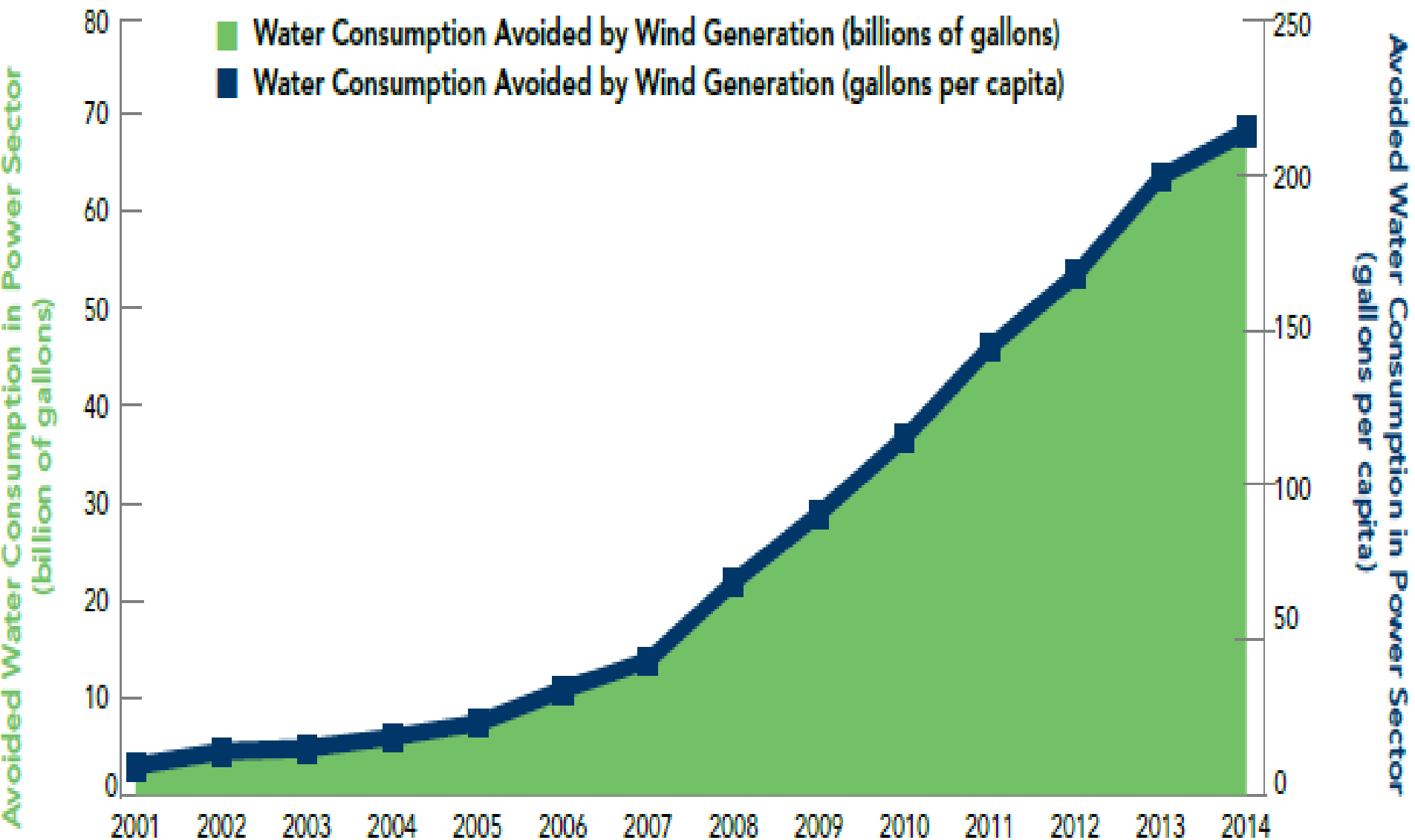


Active Wind-related Manufacturing Facilities at end of 2014



0 to 100 MW >100 MW to 1,000 MW >1,000 MW to 5,000 MW >5,000 MW to 10,000 MW >10,000 MW

Wind Energy Impact on Avoiding Water Consumption From Thermal Power Plants



Non-Utility Purchasers of Wind, by Type of Purchase



▲ Offsite Power Purchase Agreement (PPA) ● Offsite Direct Ownership ● Onsite Direct Ownership

CORPORATE RENEWABLE ENERGY BUYERS' PRINCIPLES: INCREASING ACCESS TO RENEWABLE ENERGY

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CISCO[®]



Walmart 



3M


Adobe

Johnson & Johnson

P&G

 novo nordisk[®]



EMC²

ADITYA BIRLA

NOVELIS

MARS

GM



Clean Power Plan Compliance

1. Wind energy is one of the most widely-available, economic choices for states and utilities to use for compliance with the CPP (validated by EIA)
2. Wind energy already reduces carbon pollution in nearly every state while creating jobs and boosting state and local economies
3. Economic analyses and real-world examples demonstrate when wind energy is generated, overall electric rates drop and consumers benefit
4. Large amounts of wind energy are already being reliably integrated into the grid