



Green Power Policies and Market Activities in the United States

CEC Meeting

February 18, 2002

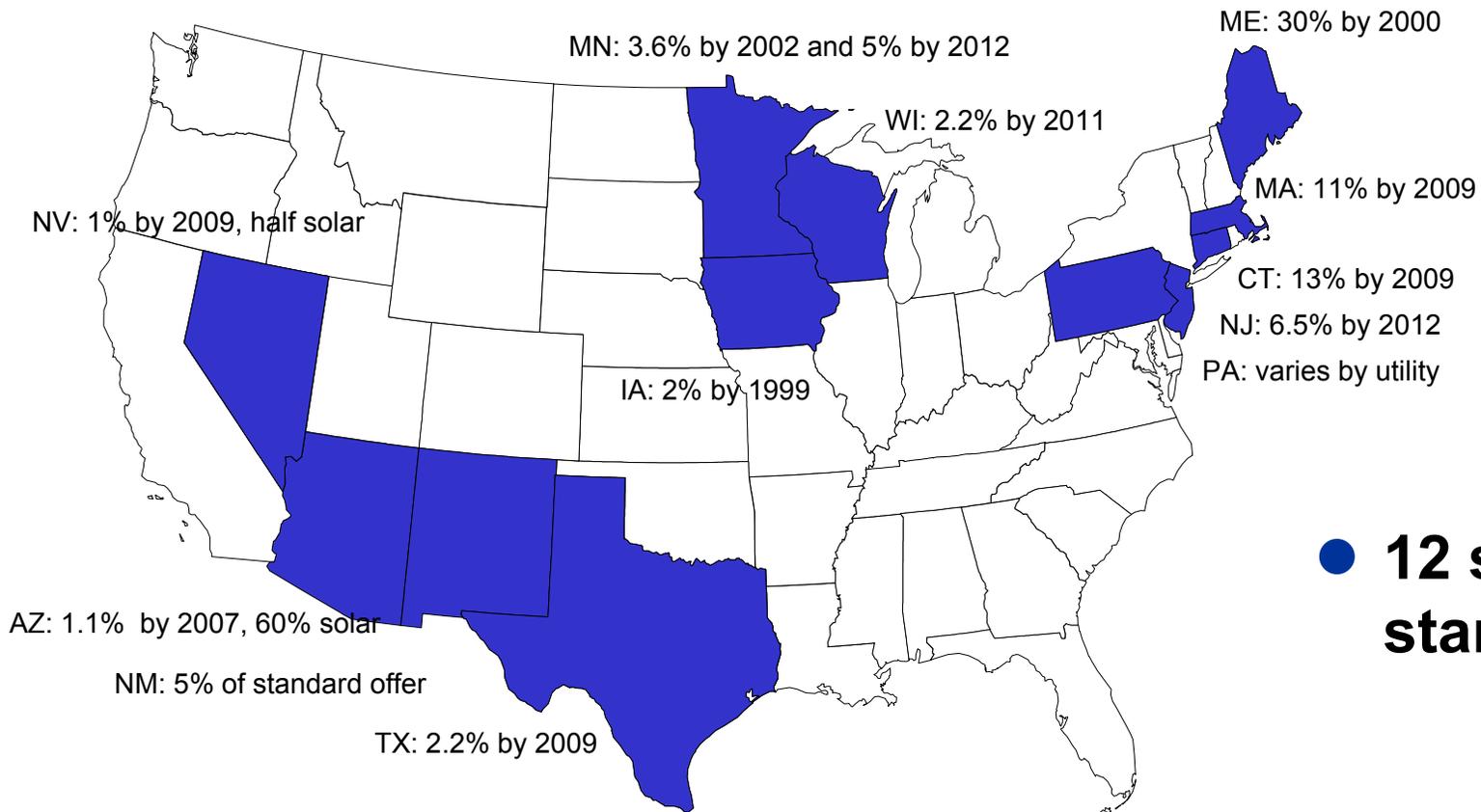




Presentation Outline

- **Status of Renewable Energy Policies in the US**
- **US Green Power Market Status**
- **US EPA's Green Power Activities**

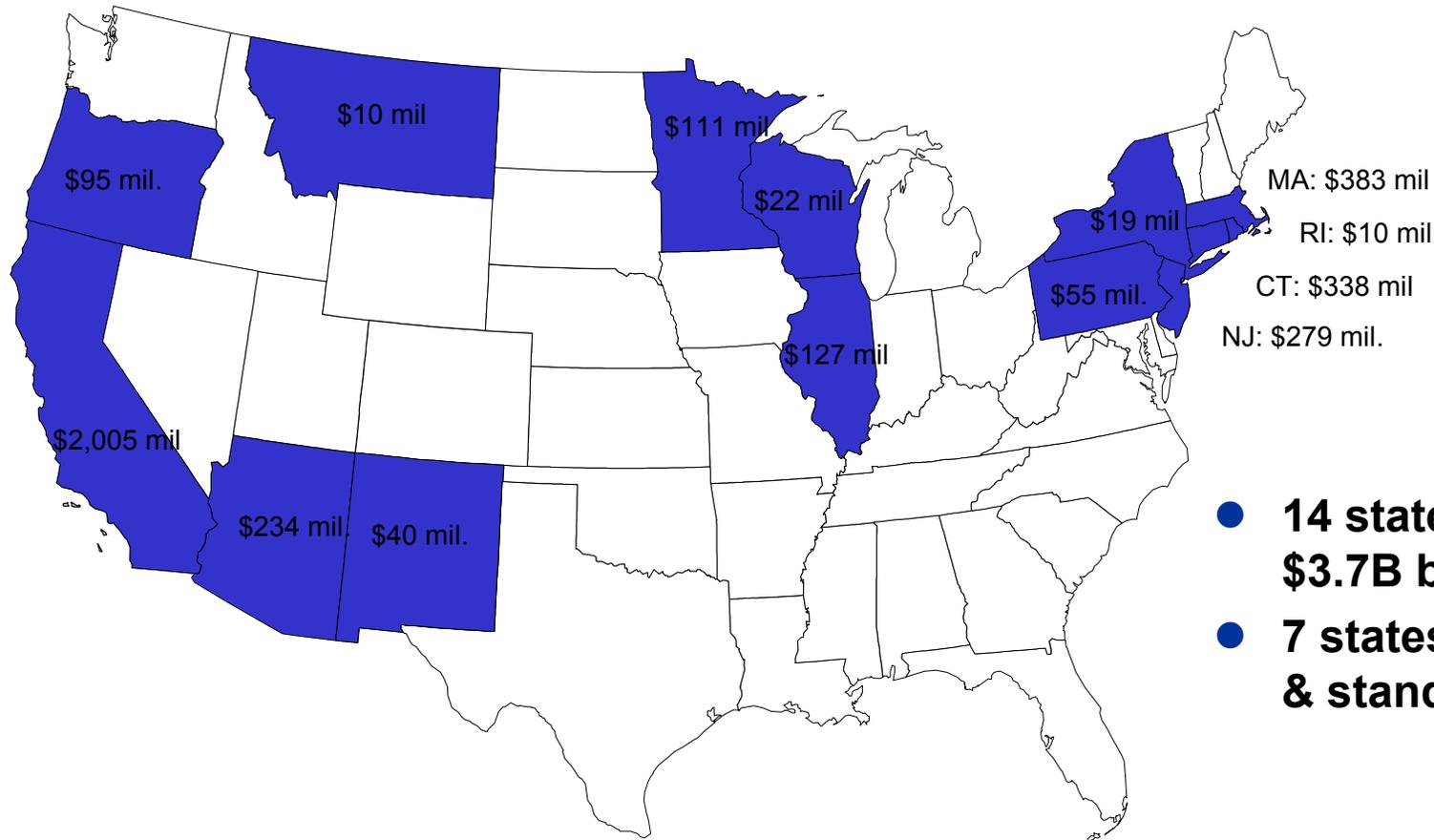
Renewable Energy Standards



● **12 state standards**

Renewable Energy Funds

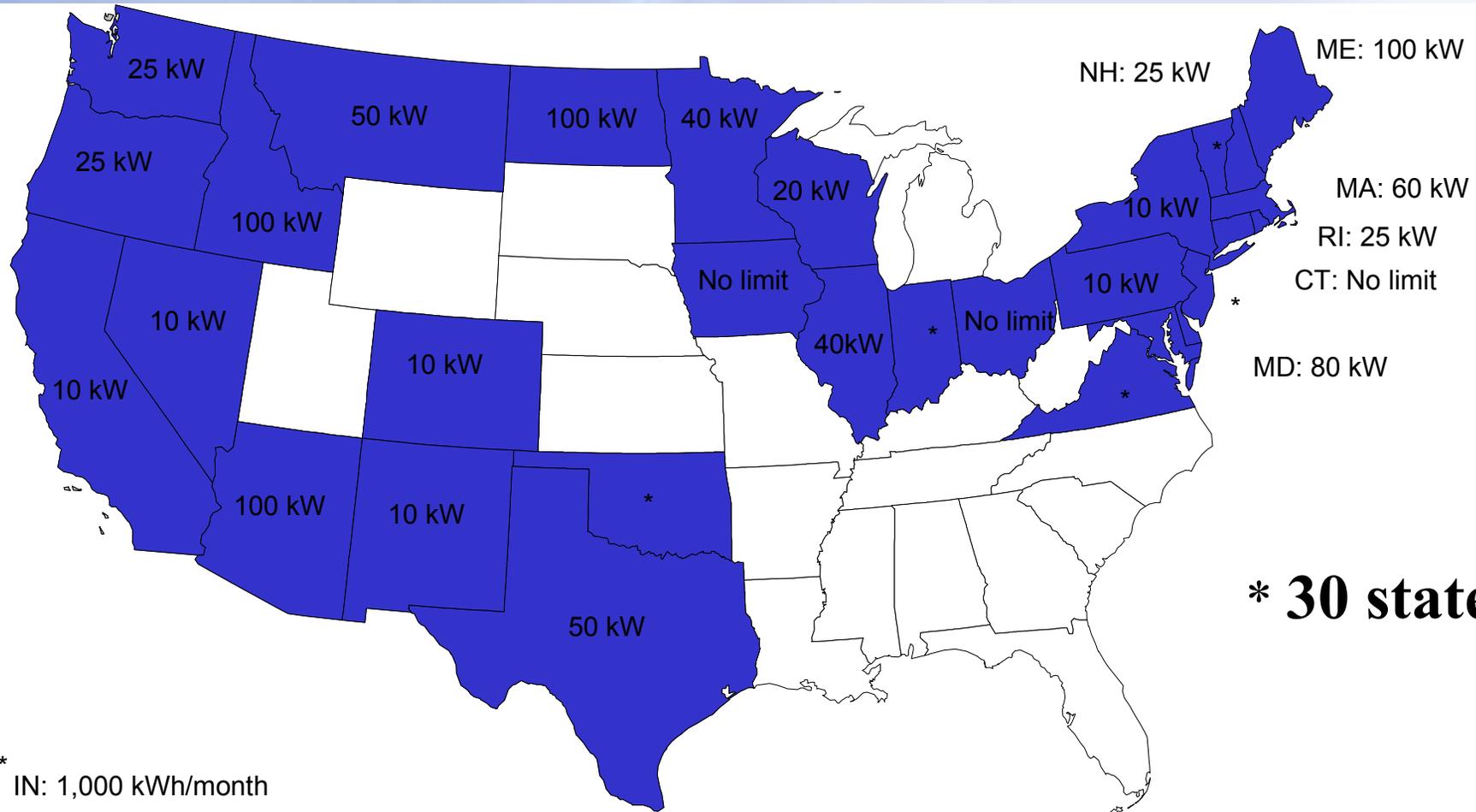
Cumulative 1998-2012



- 14 state funds = \$3.7B by 2012
- 7 states with funds & standards



Net metering Status

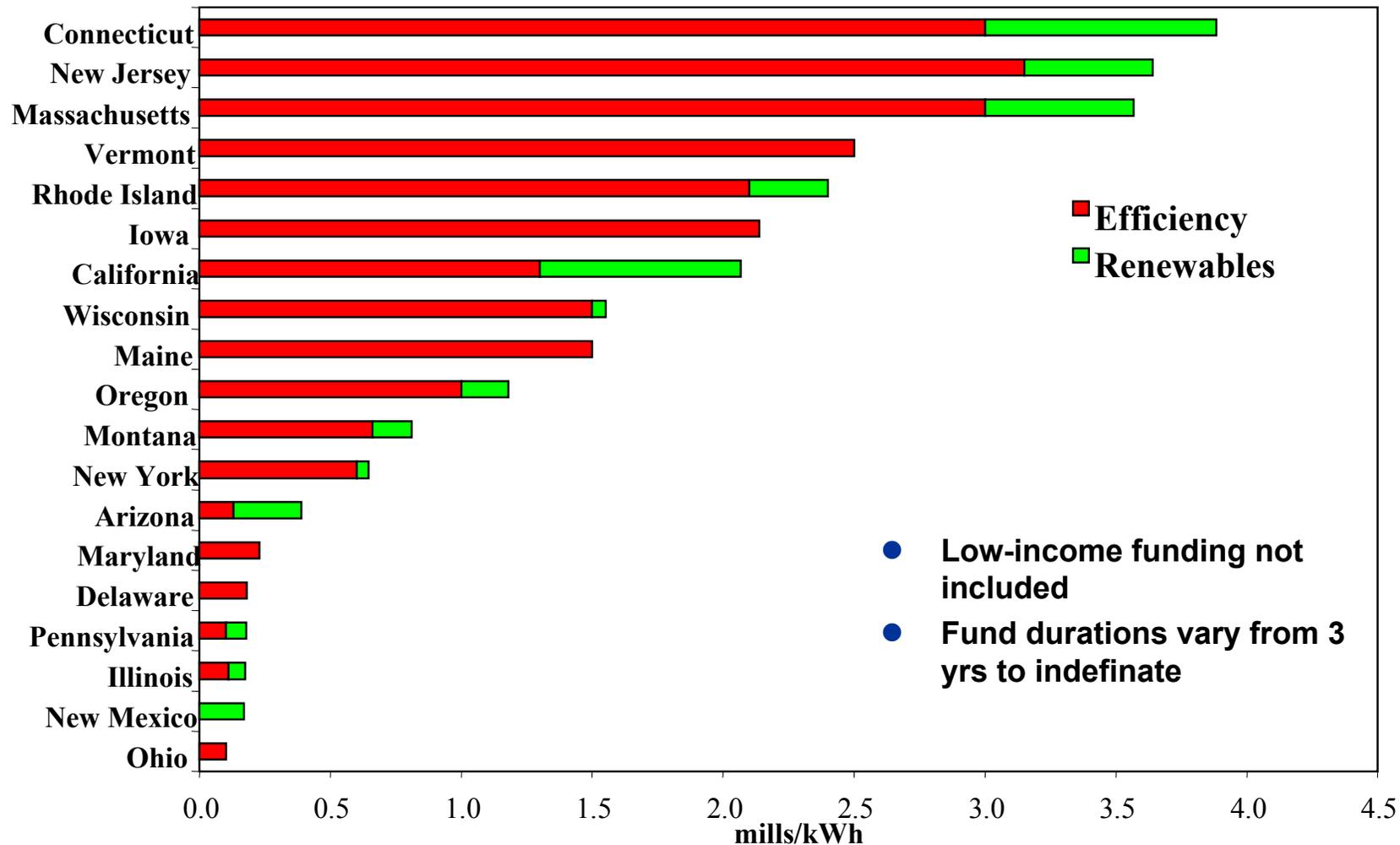


*** 30 states**

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IN: 1,000 kWh/month
VT: 15 kW, 100 kW for anaerobic digesters
VA: 10 kW (residential); 25 kW (commercial)

OK: 100 kW and 25,000 kWh
NJ: No limit (100kW limit proposed)

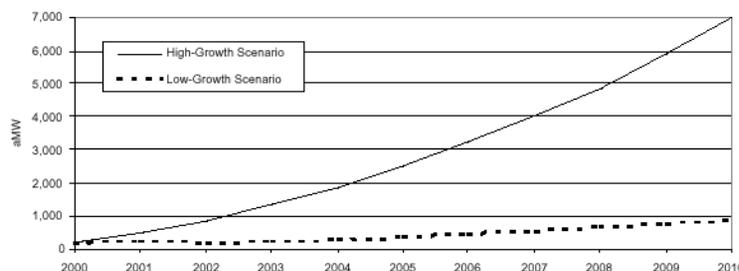
Public Benefit Funding State Commitments



Sources: Estimates from the American Council for An Energy Efficient Economy (ACEEE) and UCS.

Green Power Market Status

- **Transition to competitive markets has slowed**
 - Market penetration: ~ 1% (CA) - 1.6% (PA) penetration
 - Approx. 13 retail, 11 wholesale marketers
- **Green pricing programs are on the rise**
 - Market penetration: < 1% - 7.4% (0.8% median) penetration
 - Approx. 80 green pricing programs
- **Green tag markets are just getting started**
 - Approx. 10 vendors
- **Market growth forecast for 2010: 1000-7000 new MW**



Source: Forecasting the Growth of Green Power Markets in the United States: National Renewable Energy Laboratory, October, 2001.



EPA's Green Power Partnership

VISION

- ***“Lowering transaction costs and highlighting the value of green power in order to increase renewable energy demand”***
- **Establish a new renewable energy procurement benchmark:**
 - Environmental Standards -- ISO 14000
 - Energy Efficiency -- Energy Star
 - Renewable Energy -- Green Power Partnership



Partnership Requirements

- **Open to commercial, industrial and public sector**
- **Partners pledge to replace a portion of electricity consumption with green power within a year**
 - eligible renewables = solar, wind, geothermal, biogas, and biomass, wave, and small hydro
 - mimics Green-e eligible renewable resources
 - 5% new renewable resources requirement
- **Commitment can be on a facility, operating unit, state-wide or national corporate basis**
- **Commitment levels range from 2% to 15%**

Partner Services

- **Technical information and support**
 - green power procurement guide
 - Cascade Engineering EE/RE Assessment
- **Peer network and exchange**
 - newsletter
 - Partner events
- **Public recognition**
 - communications and press assistance
 - logo usage



Plans for the Year Ahead...

- **Recruit 60 Partners**
- **Facilitate existing Partners' commitments**
- **Launch pilot Allies Program to work more closely with suppliers, supporters**
- **Initiate stakeholder process for national green power definition**
- **Expand Green-e availability nationwide**
- **Increase Partnership presence and recognition**
 - 7th National Green Power Marketing Conference
 - regional green power workshops

For More Information

- Tom Kerr
- 202-564-0047, email kerr.tom@epa.gov
- Website www.epa.gov/greenpower

