

# Methods to Support Wind Development

## State RPS Policies

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solar policy information



DSIRE is a comprehensive source of information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency. Established in 1995 and funded by the U.S. Department of Energy, DSIRE is an ongoing project of the N.C. Solar Center and the Interstate Renewable Energy Council.

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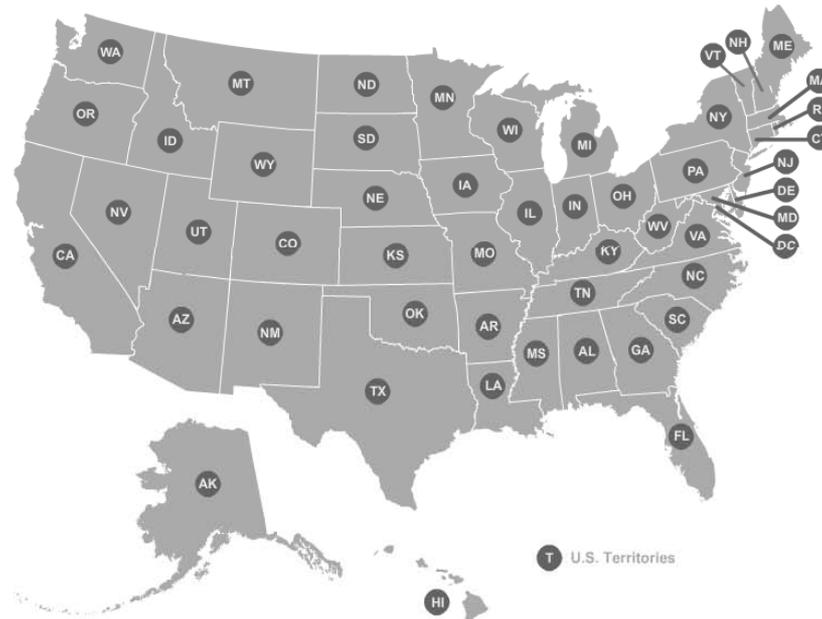
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## QUANTITATIVE RPS DATA PROJECT



DSIRE's Quantitative RPS Data Project provides quantitative information about state renewables portfolio standards (RPS). In the DSIRE RPS Data Spreadsheet, state requirements are defined by year and by resource class and include other key data elements such as monetary penalties or alternative compliance payments, eligibility of new and/or existing facilities, the percentage of the state's electric load covered by the policy, comments to clarify data entries or assumptions, and an update memo to describe recent changes to the data. The DSIRE RPS Field Definitions document contains detailed descriptions of the data fields in the DSIRE RPS Data Spreadsheet and how they are organized. The most current versions are located directly below while past versions are available in the Archive section. This project began in 2008 to support analysis efforts at the National Renewable Energy Laboratory (NREL).

Separately, Lawrence Berkeley National Lab (LBNL) has allowed DSIRE to publicly post the data that it has assembled on state level compliance with RPS mandates. The LBNL RPS Compliance Data Spreadsheet details annual state RPS obligations (MWh) and RPS achievement (% of obligation) for both overall state standards and solar or distributed generation set asides. It also includes notes describing the sources of the data and how the calculations were made for each state.

### Current RPS Data

- [DSIRE RPS Field Definitions](#)
  - Introduction, field descriptions, and example data
- [DSIRE RPS Data Spreadsheet](#)
  - Quantitative RPS data in Excel format
- [LBNL RPS compliance data spreadsheet](#)
  - Historic state level RPS compliance data in Excel format

### Archives by Year

▶ [2012](#)

▶ [2011](#)

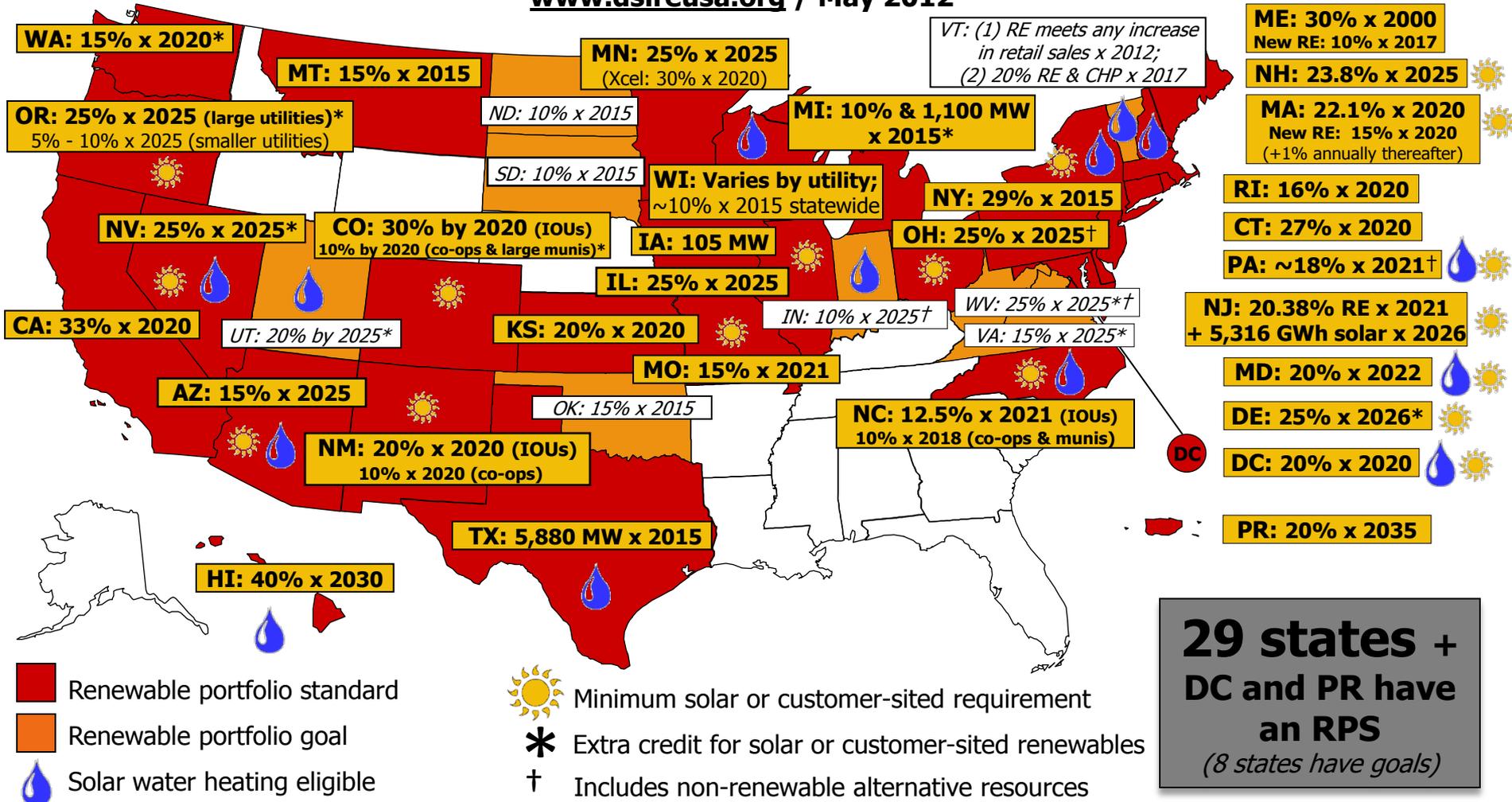
▶ [2010](#)

▶ [2009](#)

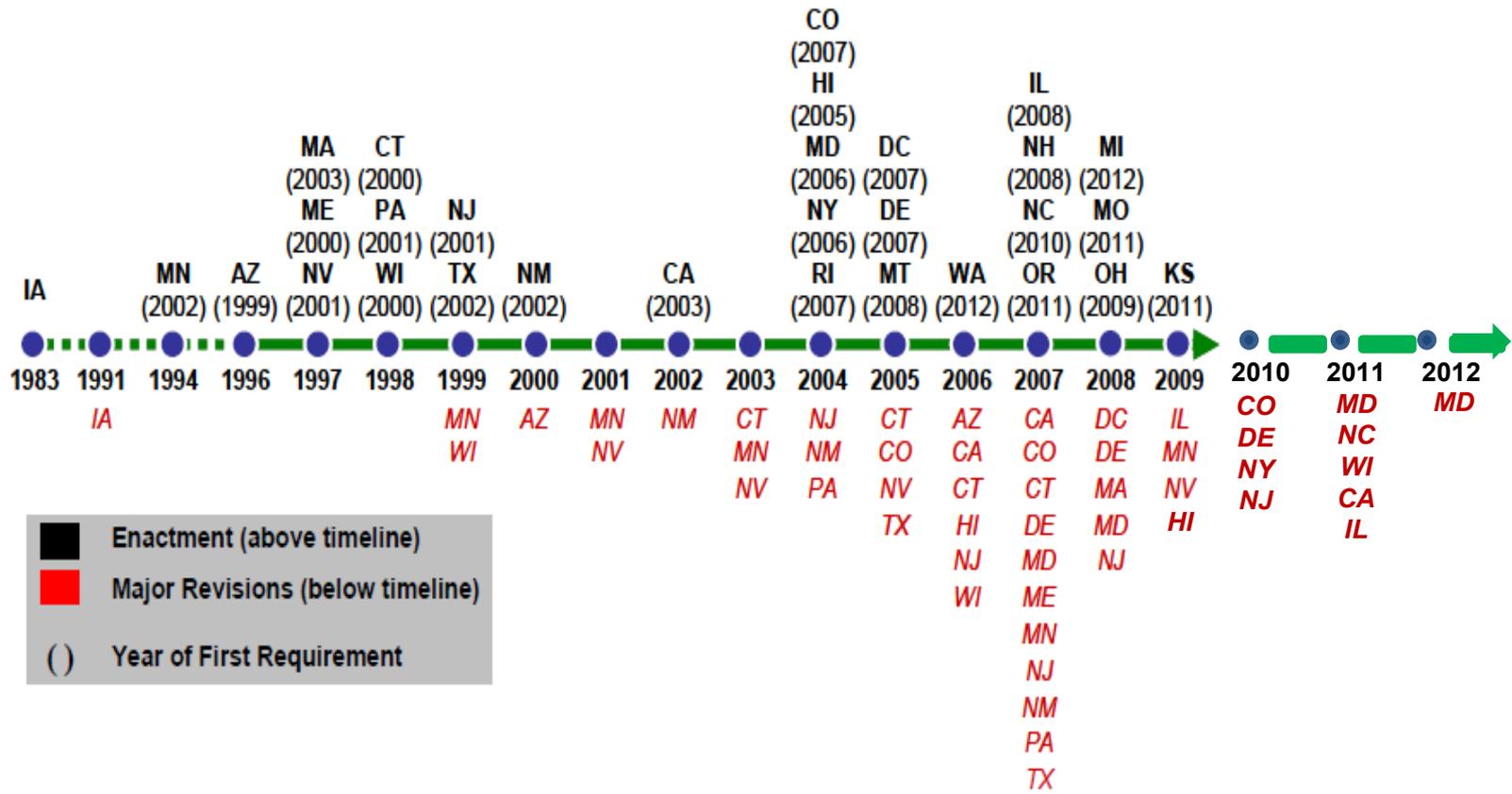


## RPS Policies

[www.dsireusa.org](http://www.dsireusa.org) / May 2012



**29 states + DC and PR have an RPS**  
(8 states have goals)



Source: *Renewables Portfolio Standards in the United States: A Status Report*, presentation by Galen Barbose, Lawrence Berkeley National Laboratory, 32<sup>nd</sup> IAAE Conference, San Francisco, June 23, 2009.

Modified by DSIRE, 2012

# 29 years, 29 standards

# Compliance?

State	2009 MWh Obligation	2010 MWh Obligation	2009 (% Comp)	2010 (% Comp)	2012 % Obligation	2013 % Obligation
CA	29,537,501	34,116,201	89%	<b>86%</b>	20.00%	20.00%
TX	6,799,347	9,053,544	100%	100%	3,384 MW	3,384 MW
MN	3,860,255	7,093,647	100%	100%	18% (Xcel); 12%	18% (Xcel); 12%
NJ	5,733,633	6,841,213	99%	100%	9.64% (non-solar)	10.48% (non-solar)
MA	3,096,274	5,468,563	82%	<b>74%</b>	14.10%	15.10%
WI	2,501,915	3,850,101	100%	100%	5.55%	5.55%
ME	3,514,043	3,832,365	100%	100%	35.00%	36.00%
MD	2,770,353	3,539,778	100%	100%	9.00%	10.70%
NV	3,551,815	3,493,644	100%	100%	15.00%	18.00%
NY	4,868,849	3,061,948	<b>61%</b>	<b>96%</b>	4.54% (new)	5.60% (new)
IL	2,283,383	2,747,874	100%	100%	7.00%	8.00%
CO	1,646,899	1,520,066	100%	99%	15.00% (IOUs)	15.00% (IOUs)
AZ	824,430	1,015,858	90%	<b>93%</b>	3.50%	4.00%
HI	0	957,857	n/a	100%	10.00%	10.00%
NM	852,285	858,705	100%	100%	10.00%	10.00%
NH	608,000	830,347	93%	<b>90%</b>	10.65%	11.70%
DC	591,576	699,887	100%	100%	7.50%	9.00%
MT	346,261	692,167	100%	98%	1.00%	1.00%
OH	333,809	602,196	100%	100%	1.50%	2.00%
DE	291,451	410,618	100%	99%	8.50%	10.00%
IA	295,800	295,800	100%	100%	105 MW	105 MW
NC	0	24,867	n/a	100%	3.00% (IOUs)	3.00% (IOUs)
KS	0	0	n/a	n/a	10.00%	10.00%
MI	0	0	n/a	n/a	5.60%	6.80%
MO	0	0	n/a	n/a	2.00%	2.00%
OR	0	0	n/a	n/a	5.00%	5.00%
WA	0	0	n/a	n/a	3.00%	3.00%
CT	no data	no data	no data	no data	16.00%	17.00%
PA	829,374	no data	100%	no data	10.22%	10.72%
RI	316,424	no data	100%	no data	6.50%	7.50%

Sources: MWh and compliance % data from Lawrence Berkeley National Lab; 2012 and 2013 compliance obligations from DSIRE.

# Compliance?

State	2009 MWh Obligation	2010 MWh Obligation	2009 (% Comp)	2010 (% Comp)	2012 % Obligation	2013 % Obligation
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NY	4,868,849	3,061,948	61%	<b>96%</b>	4.54% (new)	5.60% (new)
IL	2,501,915	2,747,874	100%	100%	7.00%	8.00%
CO	1,520,068	1,520,068	100%	99%	15.00% (IOUs)	15.00% (IOUs)
AZ	1,815,858	1,815,858	90%	93%	3.50%	4.00%
HI	957,857	957,857	n/a	100%	10.00%	10.00%
NM	852,285	858,705	100%	100%	10.00%	10.00%
NH	608,000	830,347	93%	<b>90%</b>	10.65%	11.70%
DC	699,887	699,887	100%	100%	7.50%	9.00%
MT	692,167	692,167	100%	98%	1.00%	1.00%
OH	602,196	602,196	100%	100%	1.50%	2.00%
DE	410,618	410,618	100%	99%	8.50%	10.00%
IA	295,800	295,800	100%	100%	105 MW	105 MW
NC	0	24,867	n/a	100%	3.00% (IOUs)	3.00% (IOUs)
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**CA: 86%**

**MA: 74%**

**NY: 61%,  
96%**

**NH: 93%,  
90%**

Sources: MWh and compliance % data from Lawrence Berkeley National Lab; 2012 and 2013 compliance obligations from DSIRE.

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**MN**

**MD**

**CO: 15%  
by 2012**

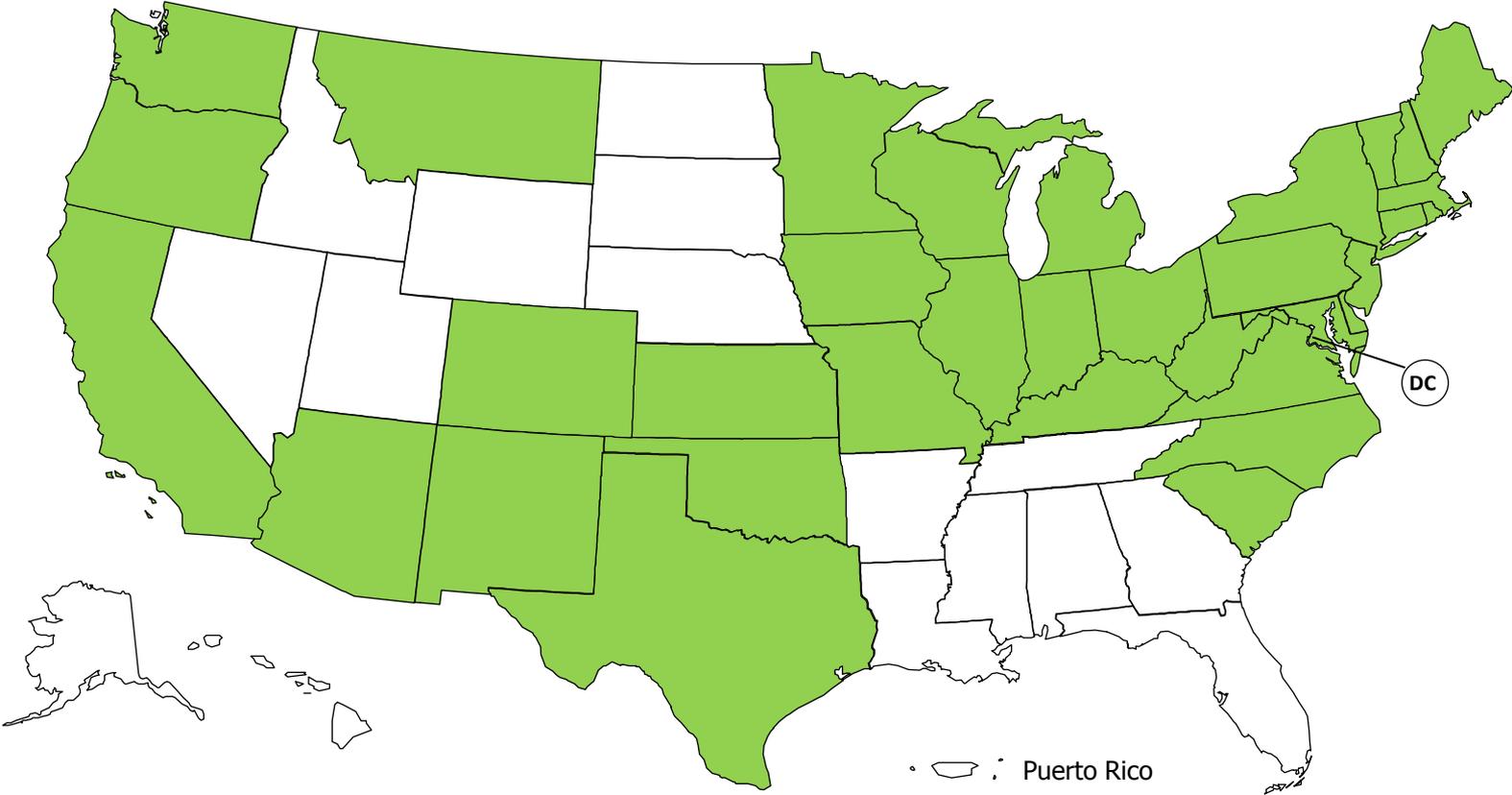


Sources: MWh and compliance % data from Lawrence Berkeley National Lab; 2012 and 2013 compliance obligations from DSIRE.

# Compliance?



# Attempts made to change RPS in 2011-2012



# Attempts, Cont.

- Direct **roll-backs** or **repeals** of RPS (9: CO, ME, NC, NM, OH, WA, MO, DE, MI)
- **Bolsters** or **increases** RPS (5: NJ, IA, NH, MO, NJ)
- Creates **new** RPS (7: ~~OK, VT, VA, WV~~, KY, IN, SC)
- Ballot Initiatives to **increase** RPS (3: MI, ME, MO)

Goals → Standards

# Attempts Cont.

- Definitions of renewables (OH, PA, WA, NJ, NH, RI, CA, OR, ME, MN, CT, KS, MD, CA, IL, IA, MT)

Typically **expansions**, sometimes **restrictions**, and at times, unclear...

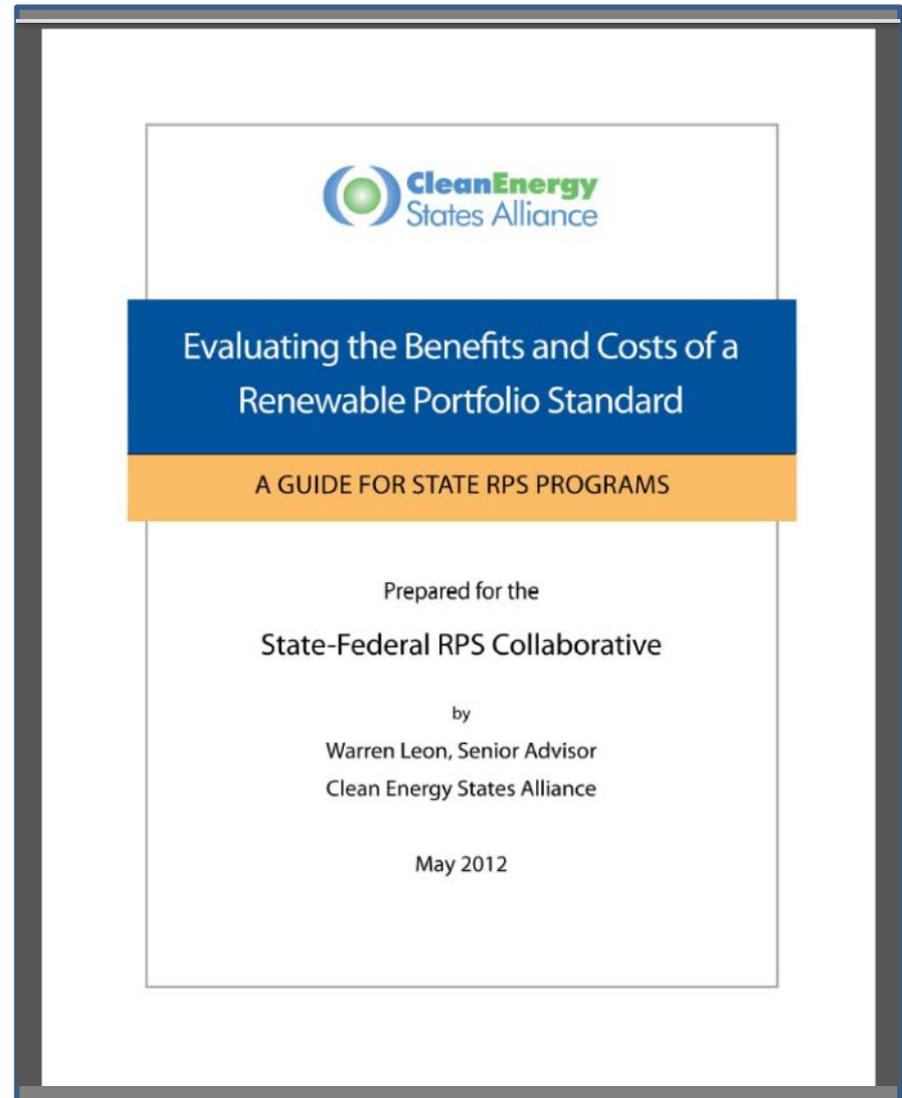
- Other...lots of adjusting/tinkering

# Current trends 2011-2012

- *Role of long-term contracts, especially important for solar (NJ, CT, RI, IL, OH, PA, NH, MA)*
- *Definitions of “renewables” (many!)*
- *Offshore wind interest (NJ, DE, MA, RI, ME, MD)*
- *Emerging...Cost Cap issues (OH, NM, CO, AZ)*

# Current trends 2011-2012

- Mandated policy reviews and analysis of costs and/or rate impact and/or costs and benefits
  - CT, IL, ME, MN, MI, NH, CA, MA, VT
- Stakeholder reviews?
  - NC





Geographic preference  
Environmental benefits  
Greenhouse gas emissions  
Ratepayers

Jobs

Benefits  
Costs

Market certainty  
Technology preferences  
Electricity

Energy security

**RPS**

Econ  
Development

# Thank you!

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