



Renewable Portfolio Standards: Experience to Date

Florida Public Service Commission Renewables Workshop

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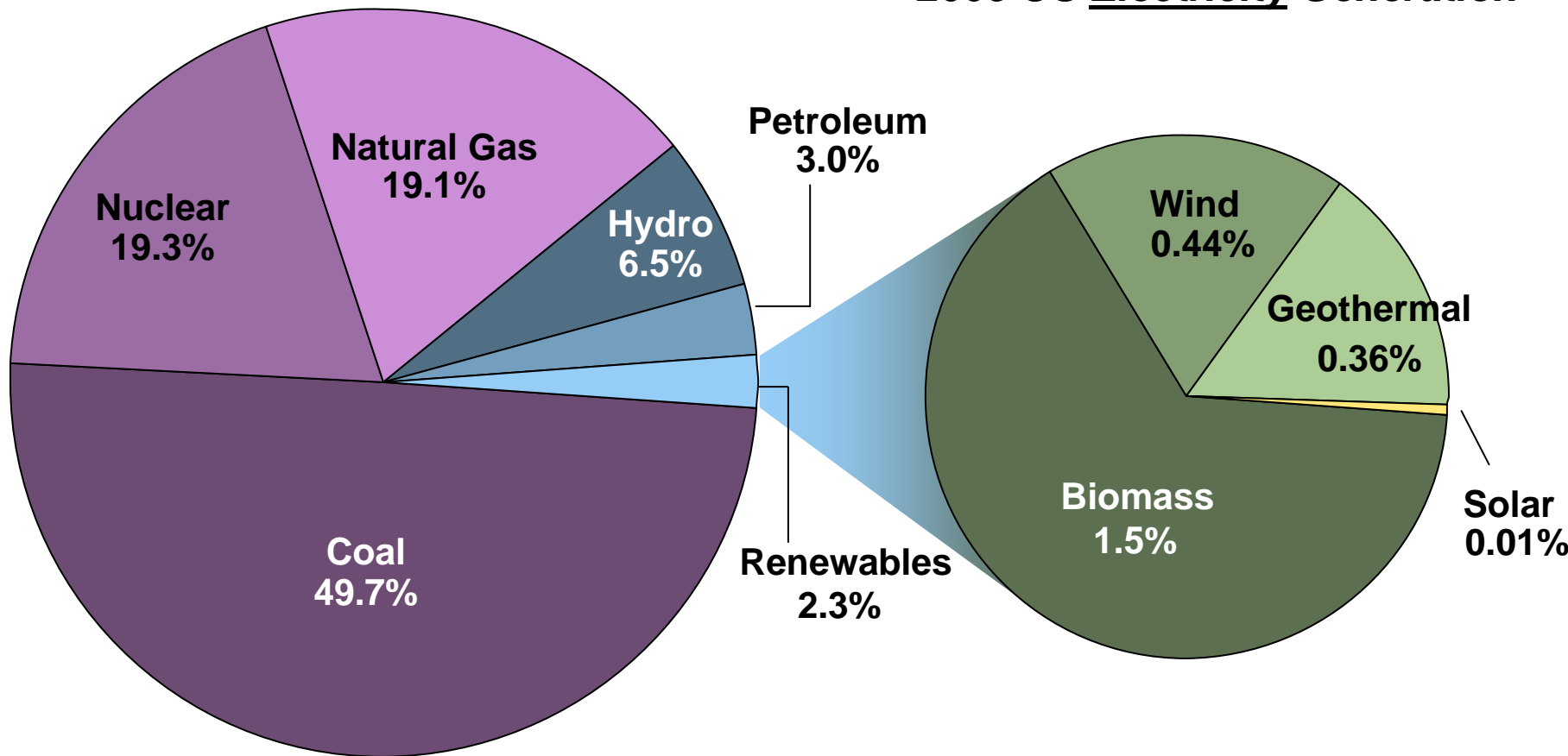
January 2007

Agenda

- Renewable Energy Overview
- RPS Overview and Status of Implementation
- Status of RPS Compliance

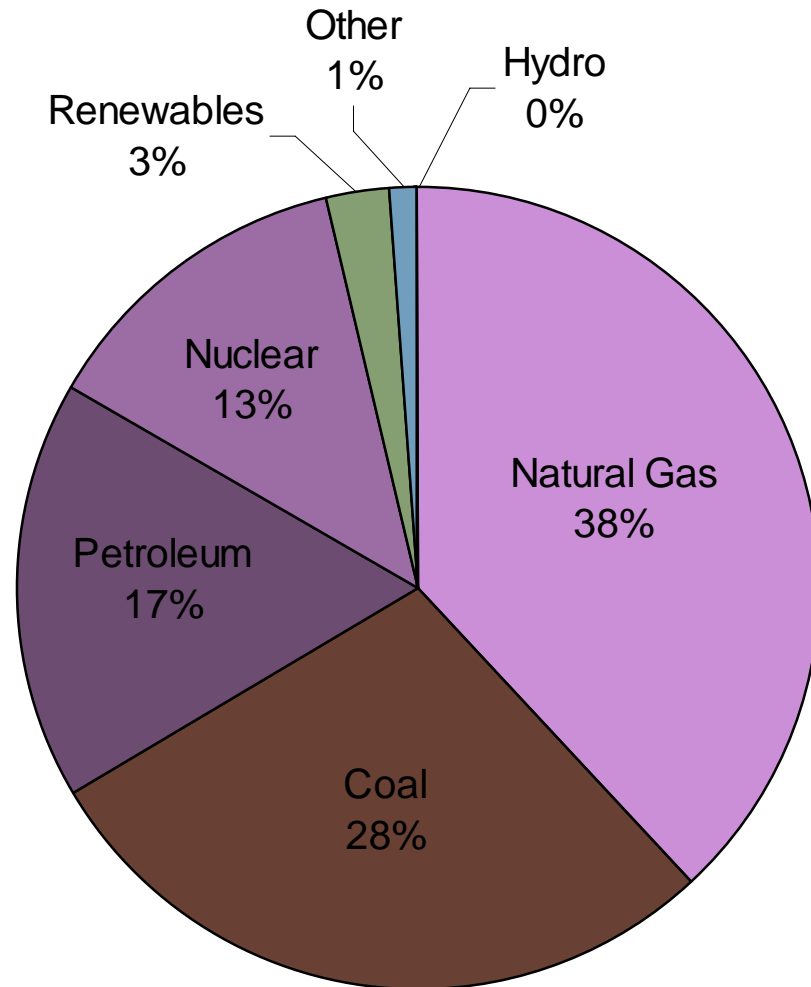
What Are the Major Renewables?

2005 US Electricity Generation

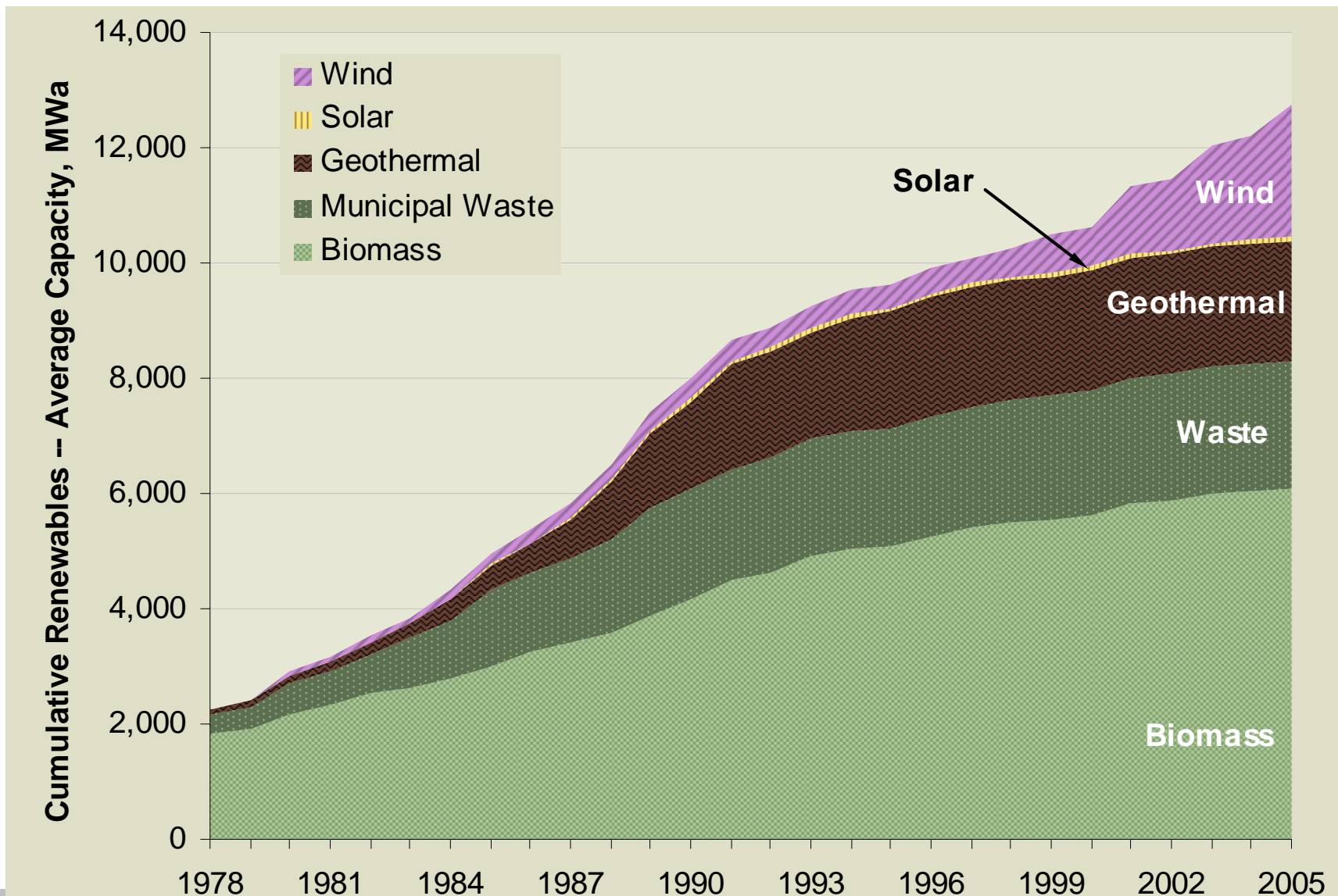


Florida Electrical Energy Generation (2005)

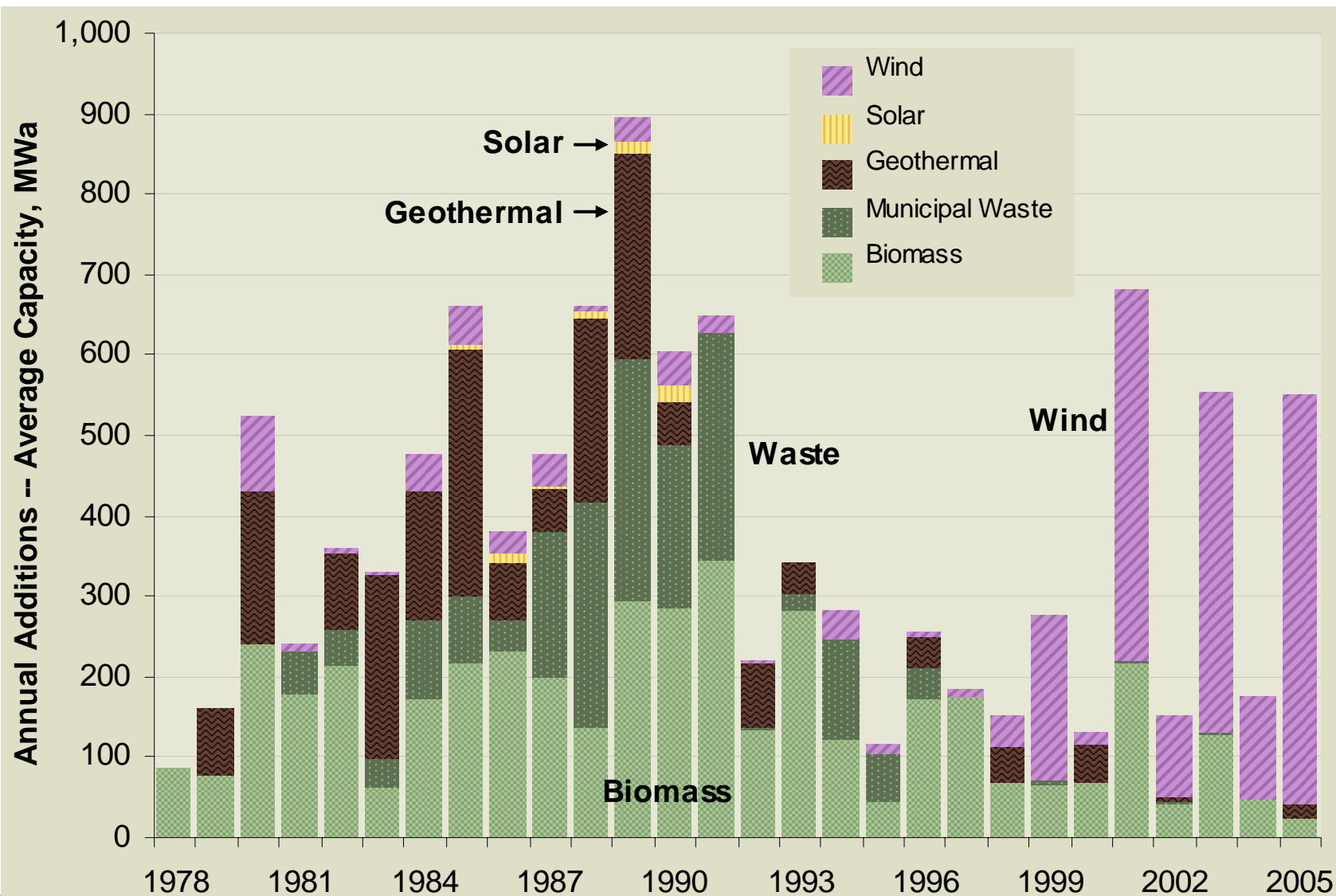
- Florida represents:
- 45% of all petroleum consumed for electricity in the US
- 12% of all natural gas consumed for electricity in the US
- Of renewables, roughly 85% is MSW, 15% is Biomass



Cumulative US Non-hydro Renewable Capacity, MWa



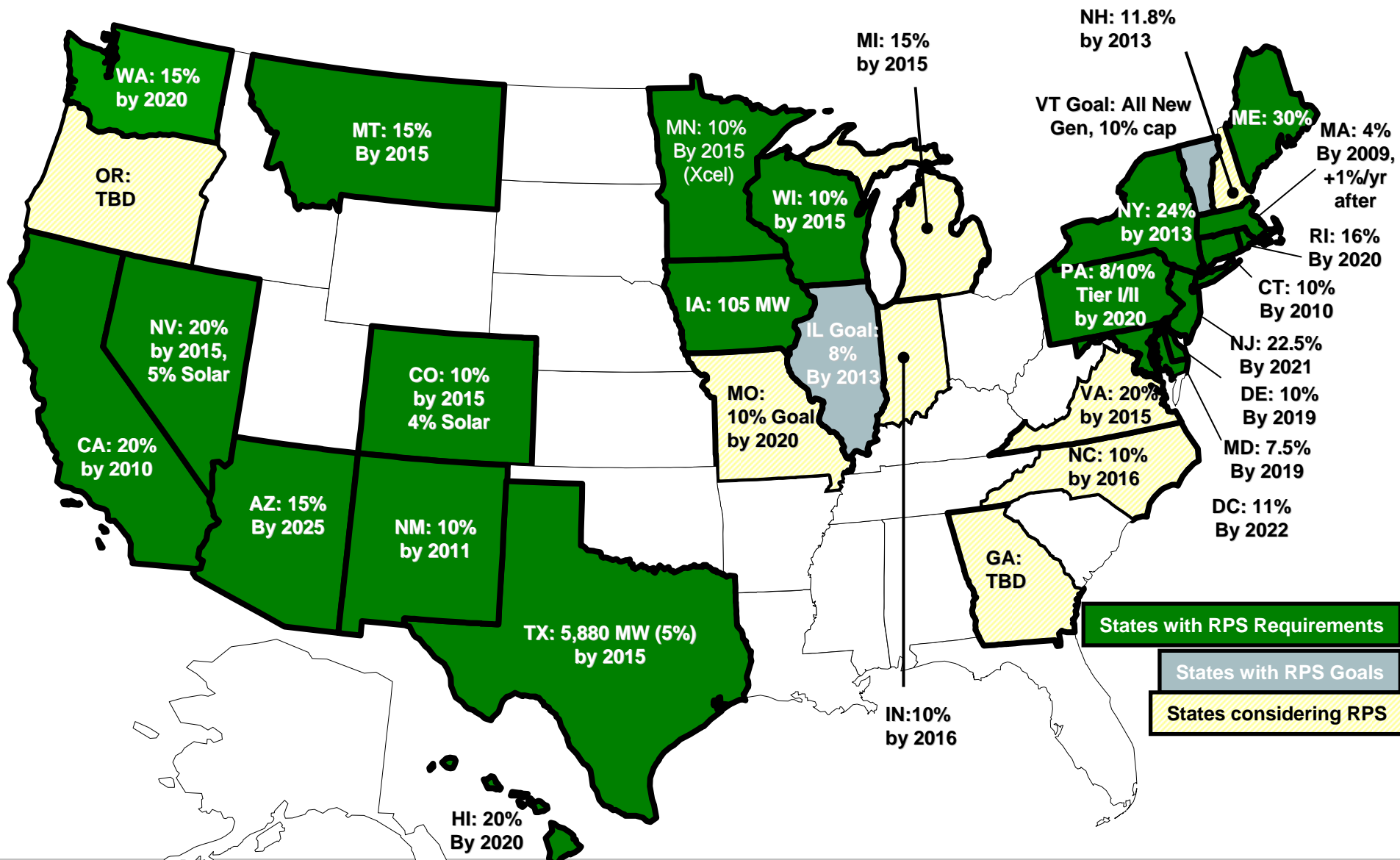
Annual Capacity Additions, MWa



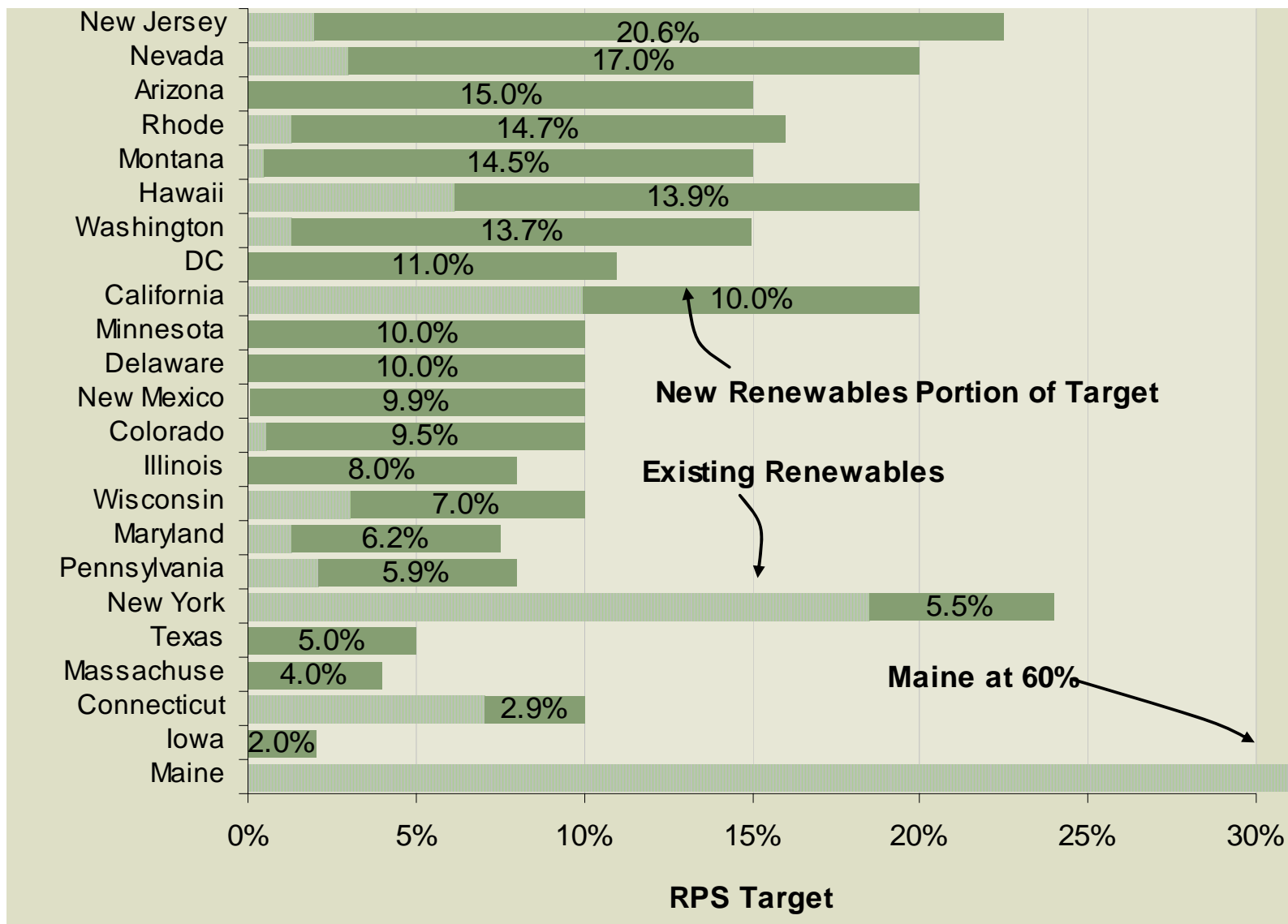
Renewable Portfolio Standards

- 21 States plus Washington DC
 - 2 states with goals, 7 states considering RPS
- States with RPS covers 45% of US retail sales
- Including states with Goals or considering an RPS covers 2/3 of US retail sales
- Current RPS standards mandate roughly 160,500 GWh of new renewable generation
 - Roughly 20% of all new generation by 2020 will be renewable based on current RPS

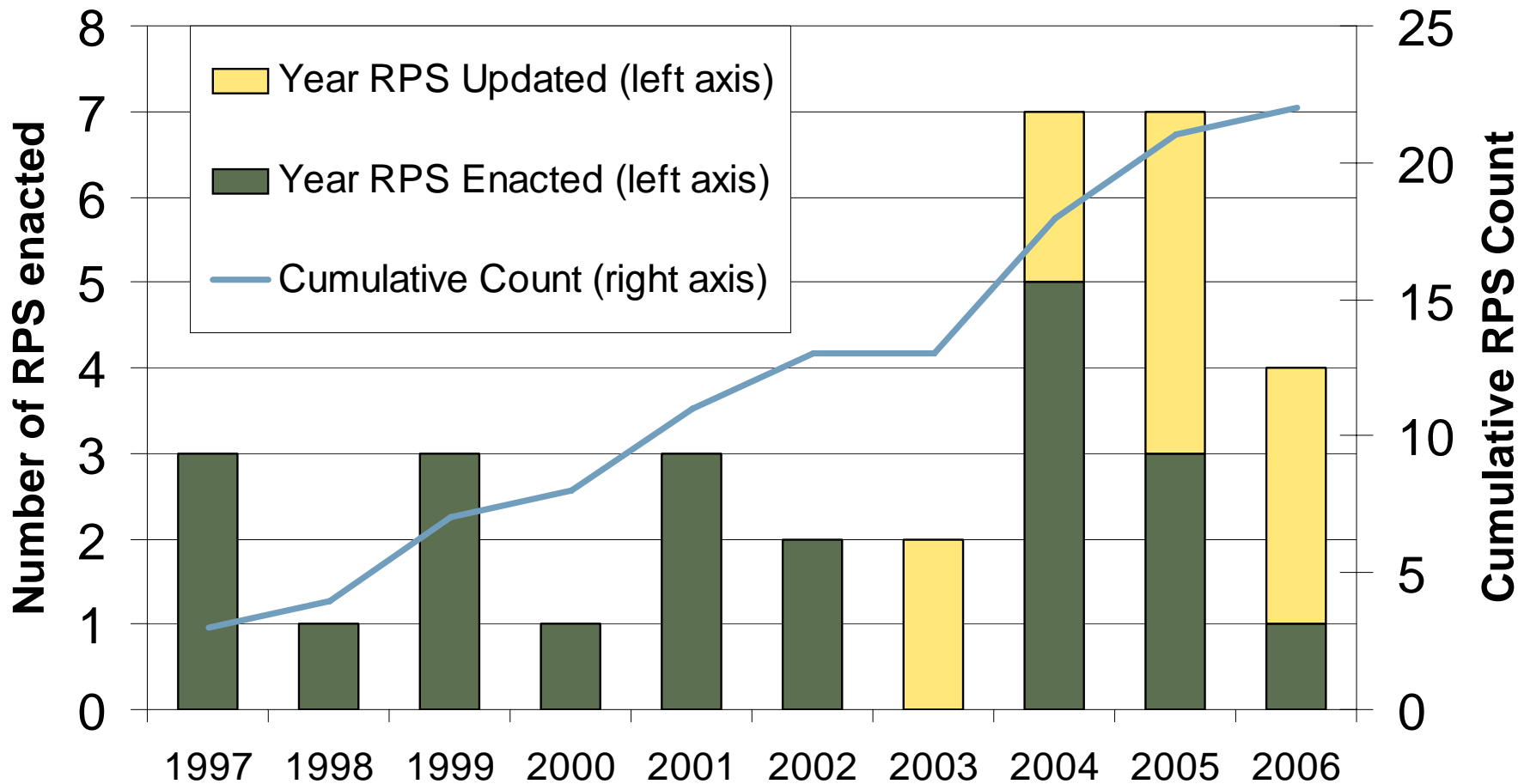
State Renewable Portfolio Standards January 2007



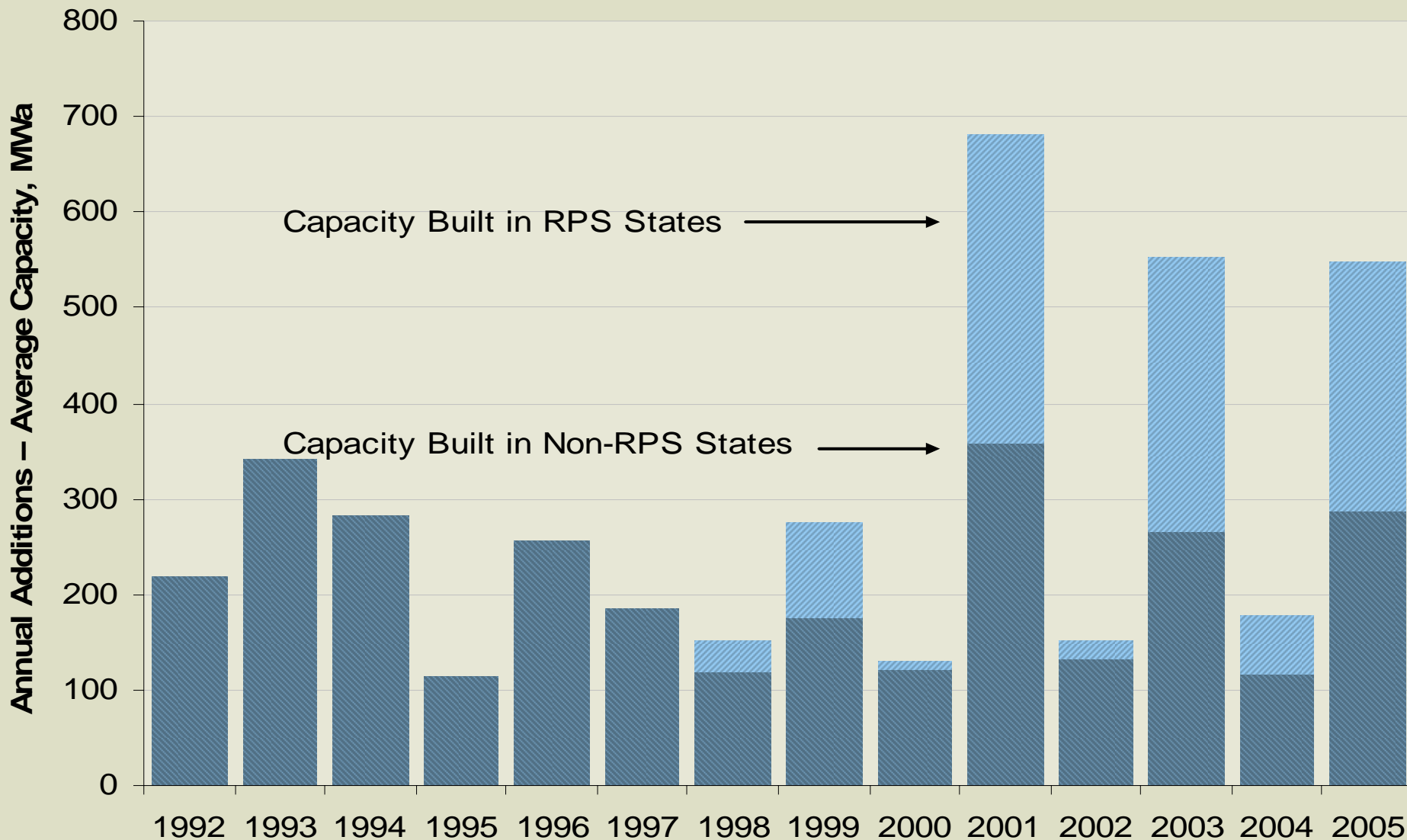
RPS Incremental Targets and Existing Renewables



The RPS is Recent: Enactments and Updates



RPS Capacity Additions



RPS Compliance Status

RPS Targets Largely Met (6)	Texas, Minnesota, Iowa, Hawaii, New Jersey, New Mexico
RPS Challenges (7) RPS ineffective RPS targets not met Initial RPS Flawed, New RPS	Maine California, Nevada, Massachusetts Arizona, Connecticut, Pennsylvania
Too early to tell (8)	Colorado, DC, Delaware, Maryland, Montana, New York, Rhode Island, Wisconsin