

# The Importance of State Renewable Energy Programs

Jeff Deyette

Senior Analyst, Clean Energy Program



Union of Concerned Scientists

Citizens and Scientists for Environmental Solutions

NYS DPS RPS Technical Conference

Albany, NY

October 28, 2009



# Economic Benefits

- Job creation
- Capital investment
- Landowner income
- Local tax revenue

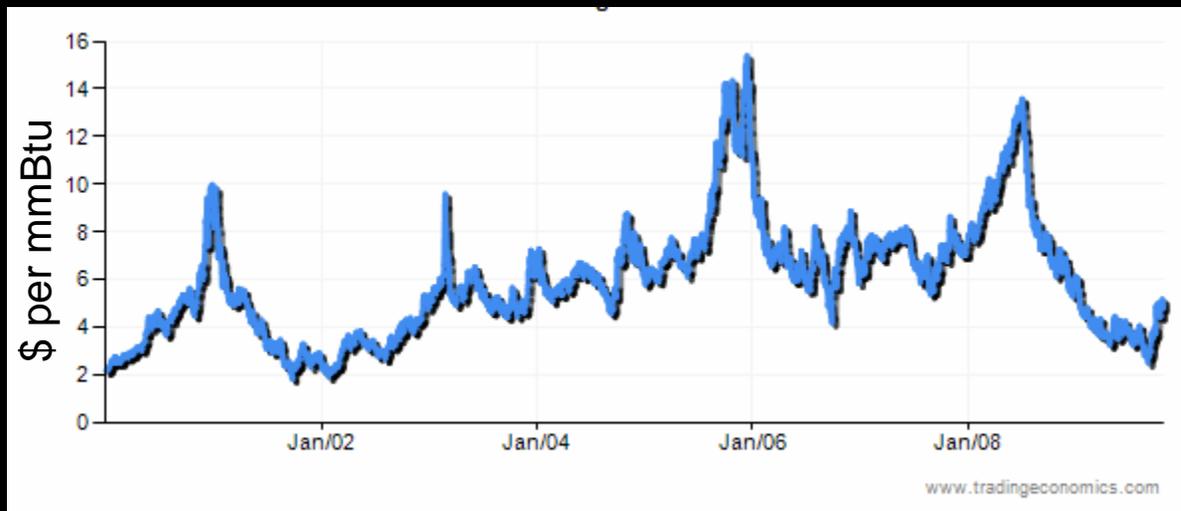


# Consumer Benefits

- Wholesale price effects
- More stable electricity and natural gas bills



NYMEX Natural Gas Futures Trading (Henry Hub)

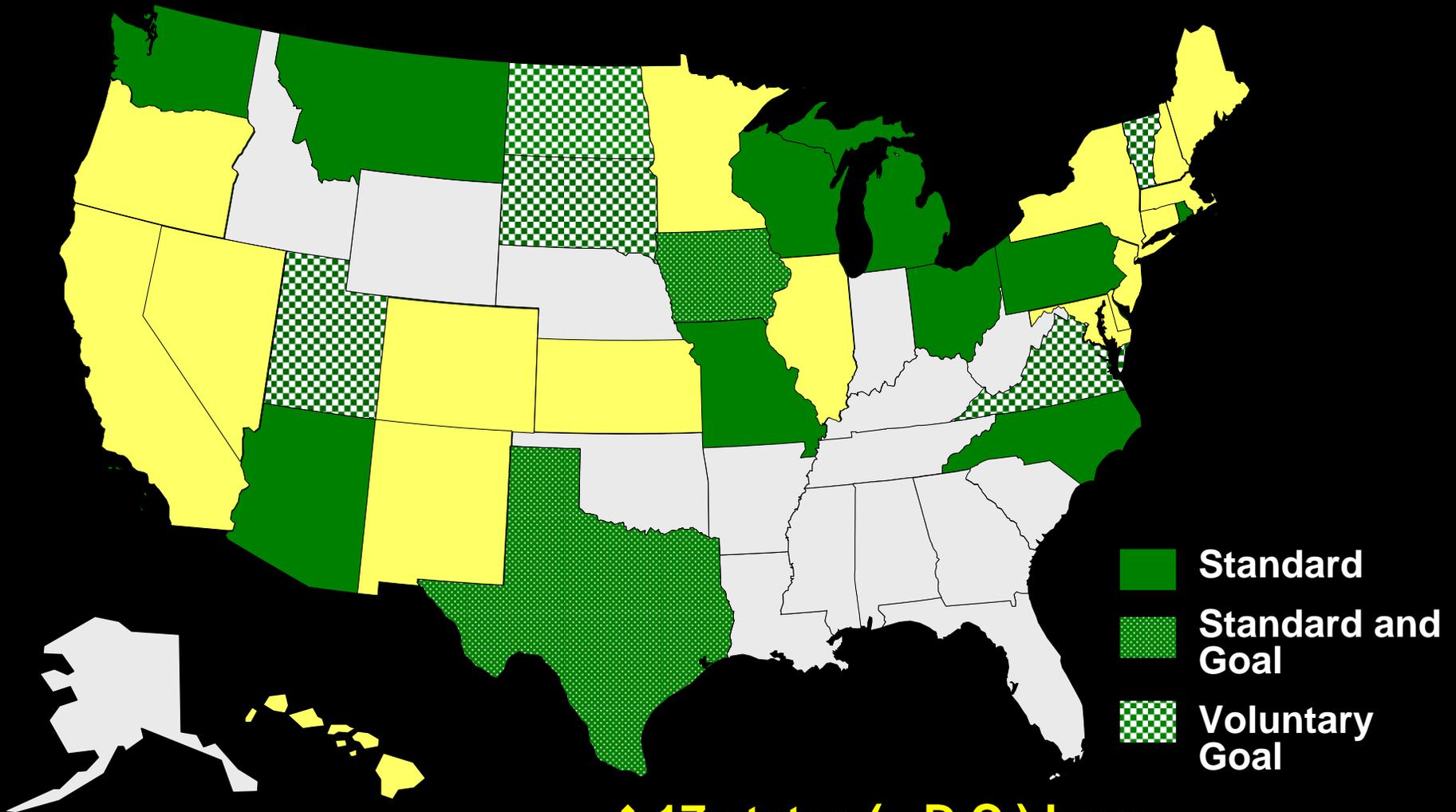


# Environmental Benefits



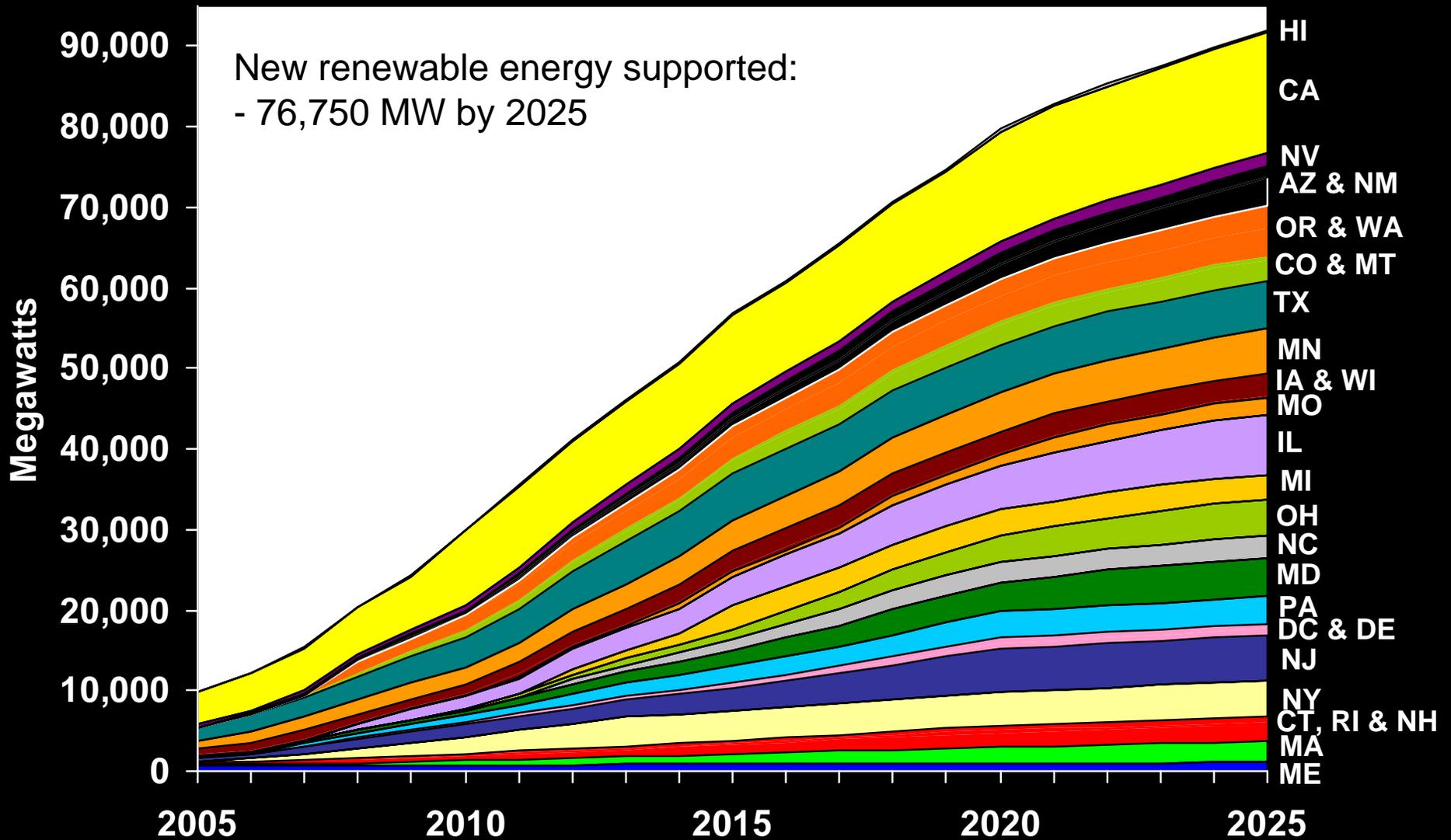
- Climate change
- Air and water
- Improved public health
- Land use

# Renewable electricity standards



❖ 17 states (+ D.C.) have requirements of 20% or higher

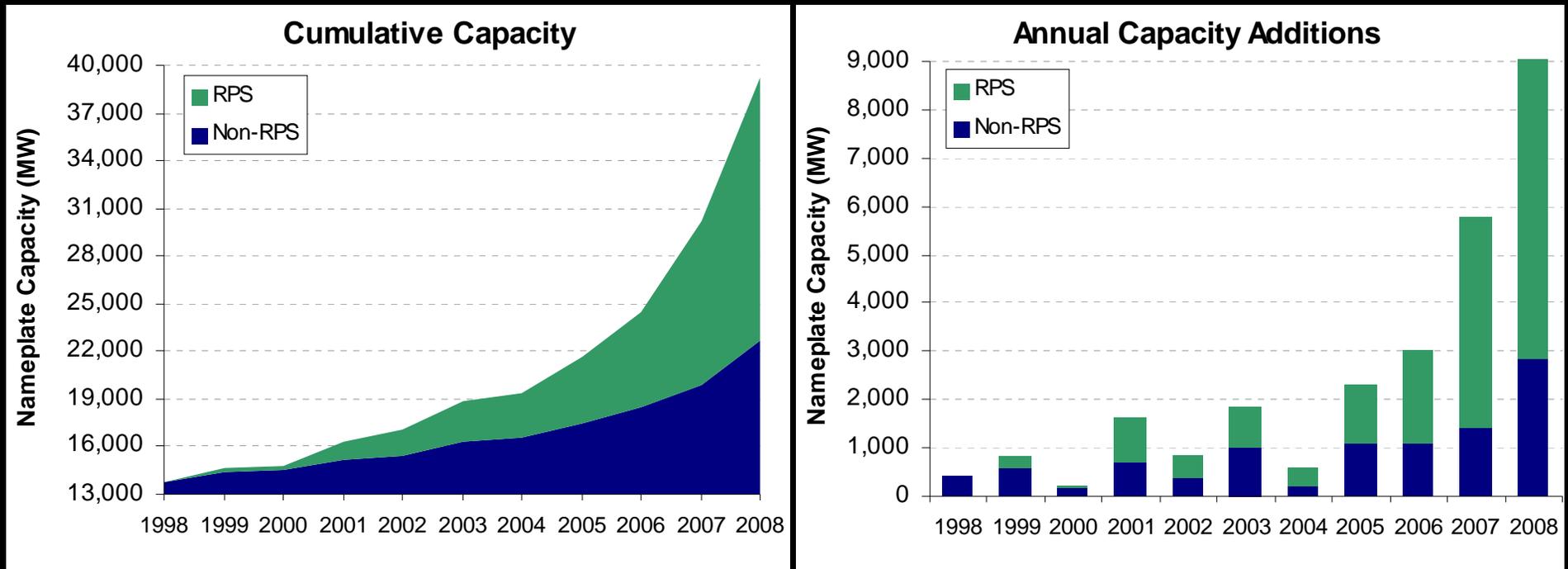
# Renewable energy expected from state RPSs\*



\*Projected development assuming states achieve annual renewable energy targets.

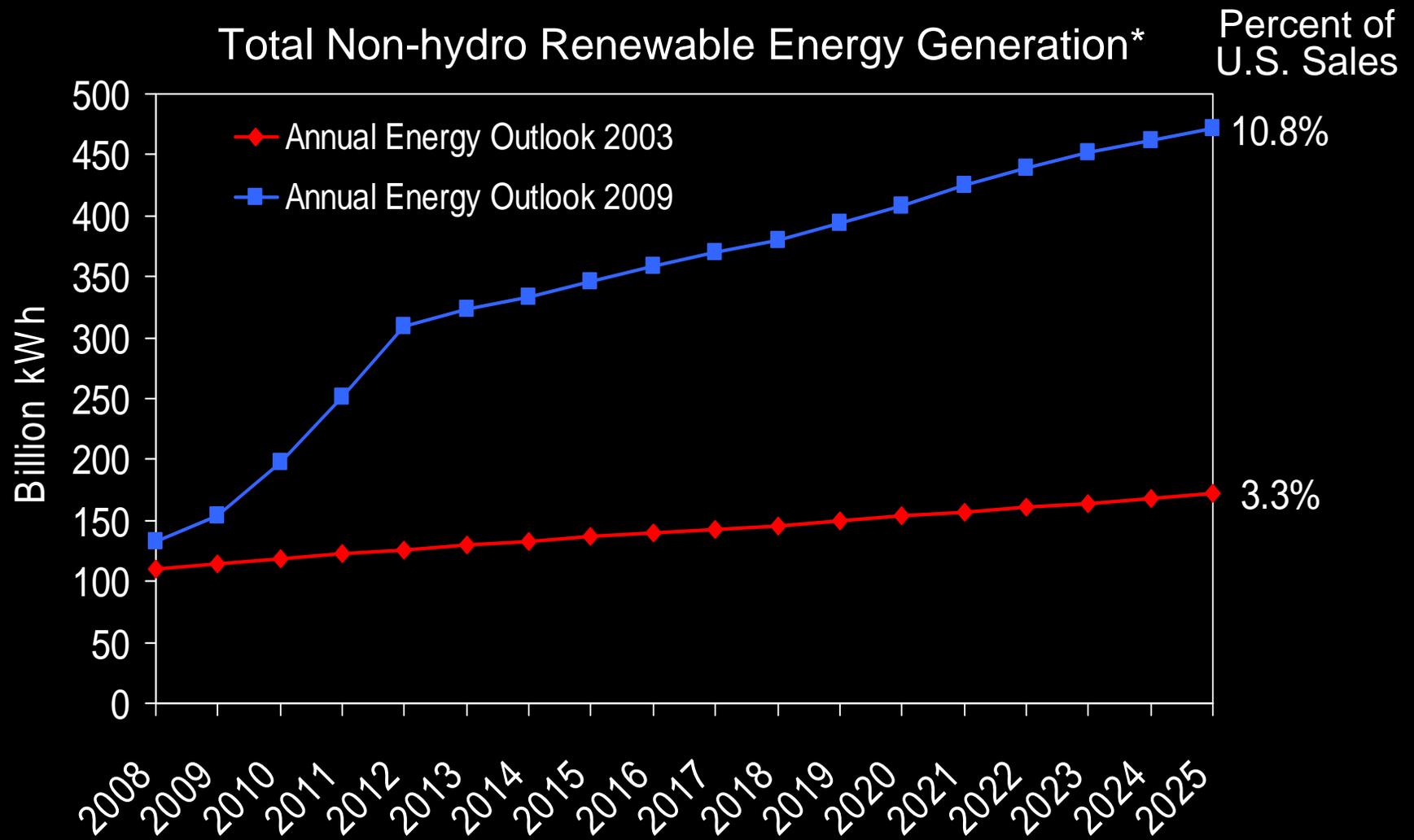
# State RPS' driving new development

## Cumulative and Annual Non-Hydro Renewable Energy Capacity in RPS and Non-RPS States



Source: Lawrence Berkeley National Laboratory.

# State leadership paying dividends



Source: U.S. Energy Information Administration.

# Summary findings

- Renewable energy provides significant and diverse benefits
- RPS and other state programs are critical drivers of renewable energy development
- Absent robust state policies, development and benefits will go elsewhere

