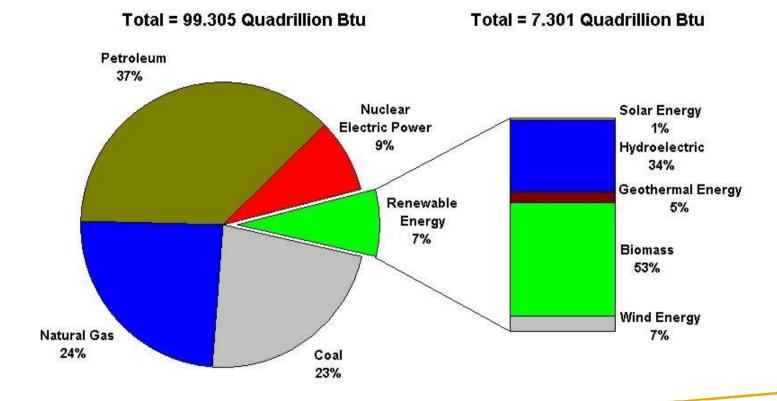
# **Current US New and Renewable Energy Utilization**

Cary Boyd EGNRET-34 Kuala Lumpur, Malaysia April 26-28, 2010



## US Renewable Energy Consumption in 2008 (http://www.eia.doe.gov/cneaf/alternate/page/renew\_energy\_consump/figure1.html) Report Released: July 2009

Next Release Date: July 2010

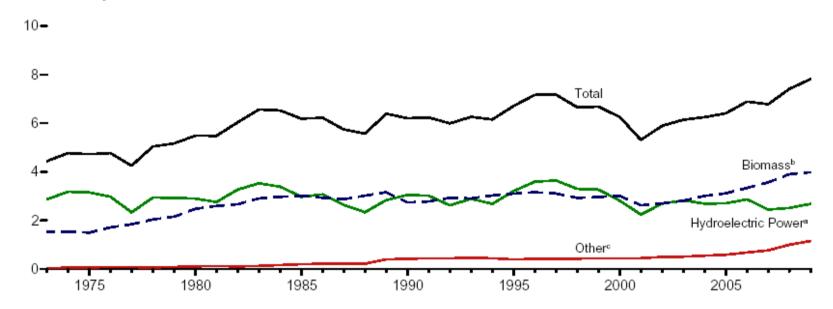


#### US DOE Energy Information Administration provides monthly energy consumption

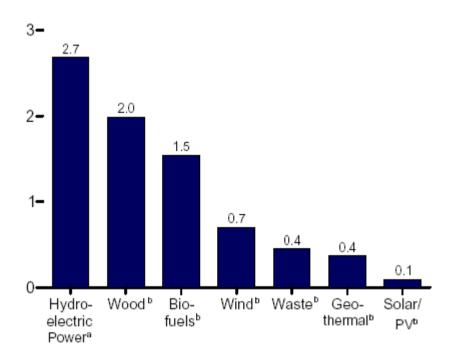
- Monthly Energy Review (MER) the latest energy statistics all in one place
- March 2010 Monthly Energy Review Release Date: March 31, 2010 Next Update: Last Week of April 2010
- http://www.eia.doe.gov/emeu/mer/renew.html

### Renewable Energy Consumption (Quadrillion Btu)

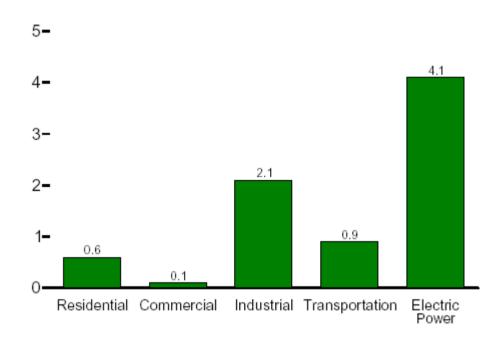
Total and Major Sources, 1973-2009



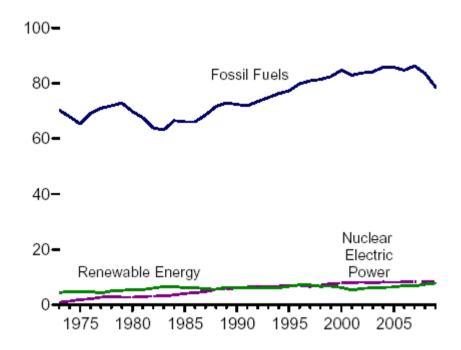
## Renewable Energy by Source, 2009 (Quadrillion Btu)



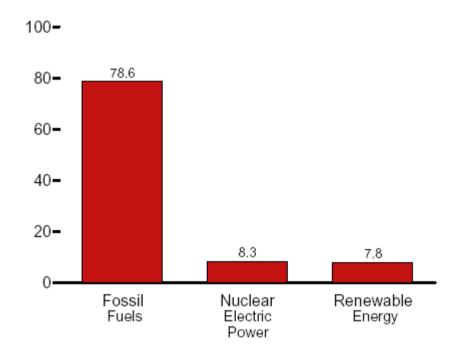
### Renewable Energy by Sector, 2009 (Quadrillion Btu)



#### Renewable Energy compared with other resources (Quadrillion Btu)



#### Renewable Energy compared with other resources 2009 (Quadrillion Btu)



### Solar capacity has continued to grow Solar Energy Industries Association 2009 Solar Industry Year in Review

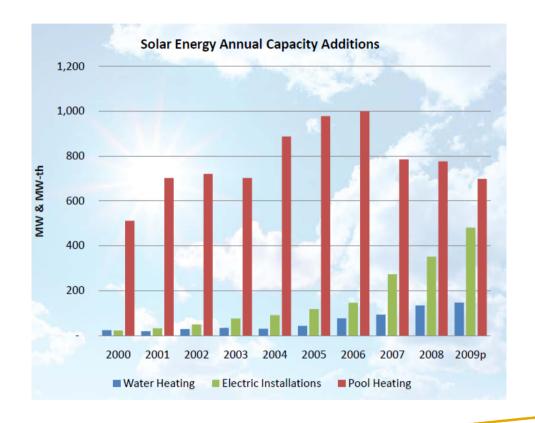
http://www.seia.org/





## Solar capacity growth by type Solar Energy Industries Association 2009 Solar Industry Year in Review

http://www.seia.org/





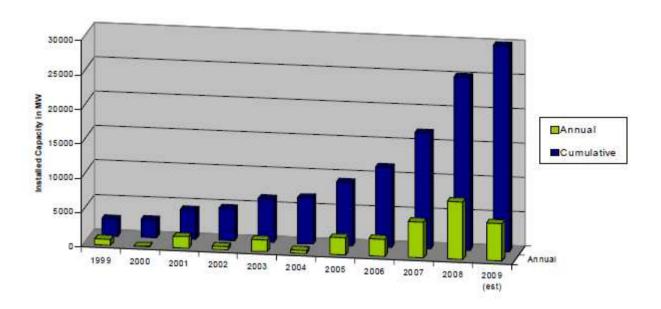
# California has led grid-connected PV capacity Solar Energy Industries Association 2009 Solar Industry Year in Review http://www.seia.org/

2009 New Capacity (MW)			2009 Cumulative Capacity (MW)		
1	California	220	1	California	1,102
2	New Jersey	57	2	New Jersey	128
3	Florida	36	3	Nevada	100
4	Arizona	23	4	Colorado	59
5	Colorado	23	5	Arizona	50
6	Hawaii	14	6	Florida	39
7	New York	12	7	New York	34
8	Massachusetts	10	8	Hawaii	27
9	Connecticut	9	9	Connecticut	20
10	North Carolina	8	10	Massachusetts	18
	Other	29		Other	78
	Total	441		Total	1,653



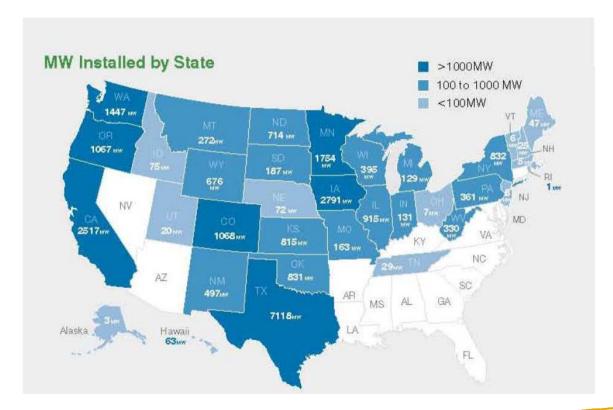
#### Wind capacity continued to grow American Wind Association

American Wind Association
Market Update
http://www.awea.org/pubs/factsheets.html



#### Wind capacity by state (2008) American Wind Association

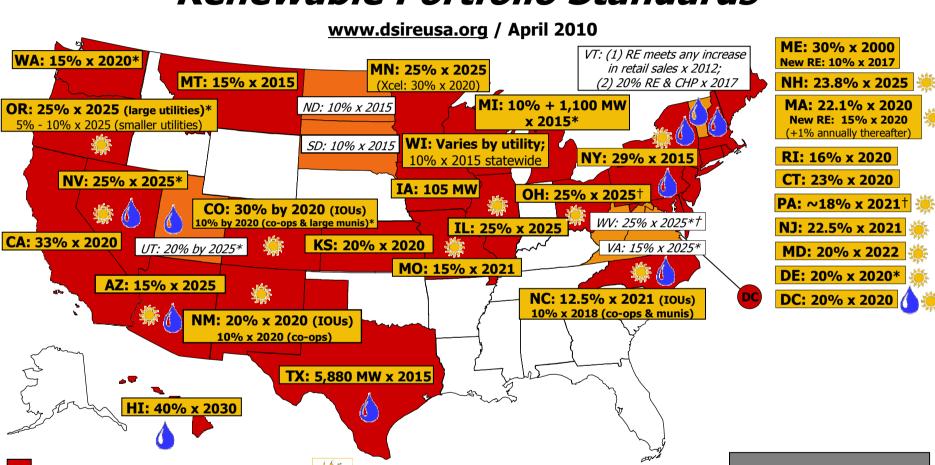
American Wind Association
Market Update
http://www.awea.org/pubs/factsheets.html







#### Renewable Portfolio Standards



State renewable portfolio standard

State renewable portfolio goal

Solar water heating eligible

Minimum solar or customer-sited requirement

\* Extra credit for solar or customer-sited renewables

Includes non-renewable alternative resources

29 states +
DC have an RPS
(6 states have goals)