

# RENEWABLES 2007 GLOBAL STATUS REPORT Renewables and Climate Mitigation

Janet L. Sawin, Ph.D. Worldwatch Institute

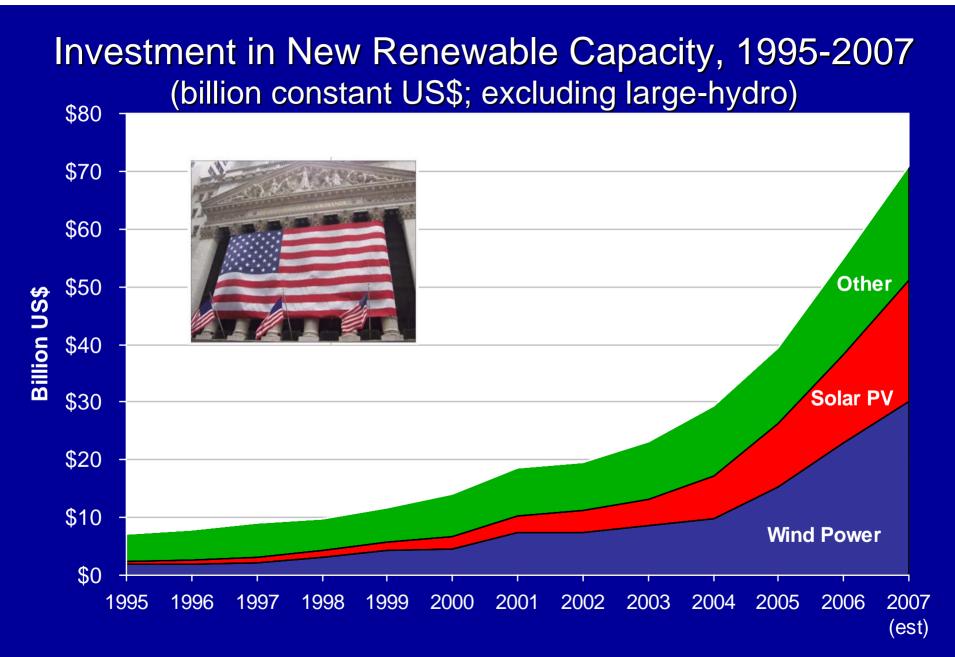








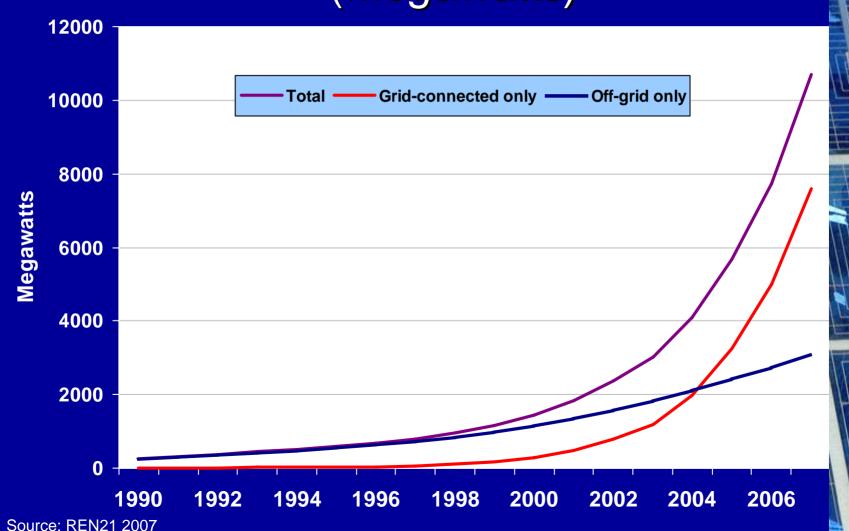




Source: REN21 2007

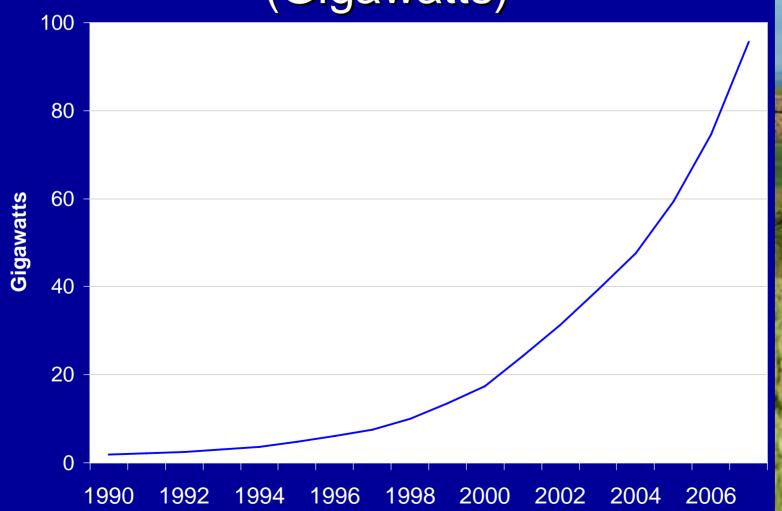


## World Solar PV Capacity, 1990-2007 (Megawatts)





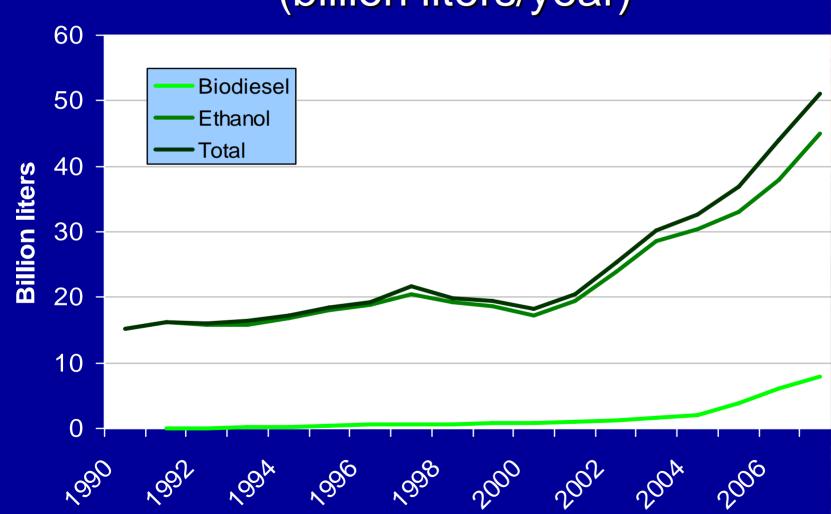
### World Wind Capacity, 1990-2007 (Gigawatts)



Source: REN21 2007



### Biofuels Production, 1990-2007 (billion liters/year)





#### **National Policies**

- RE targets at least 64 countries
- RE electricity policies at least 60 countries
- RPS now in at least 44 countries, states and/or provinces
- Feed in policies now in at least 37 countries, and 9 states and provinces
- Incentives >\$20 billion/year worldwide with more than half to biofuels



#### China Taking the Lead

- No. 1 in solar thermal heating
- Rising leader in wind power
- Explosive PV growth
   65 MW in '04 to >1,500 in '07







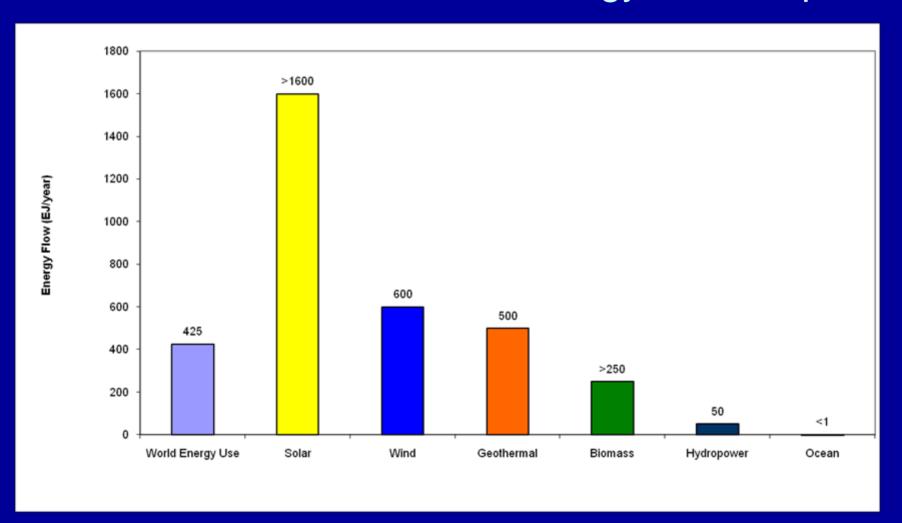
#### Additional RE Benefits Include:

- Job creation > 2.5 million
   RE jobs worldwide
- Reduced CO2 emissions
- Economic benefits
- Energy security
- Cleaner environment
- Improved health and better quality of life





### Current Technical Potential of Renewable Resources Relative to World Energy Consumption





#### Thank you!

Janet L. Sawin, Ph.D.

Visit us at www.worldwatch.org

Recent reports include: *American Energy* and *Powering China's Development* (11/07)



Renewables 2007 Global Status Report Expected release date: February 2008 www.ren21.net