



Climate Solutions and Washington's Prosperity



**Sustainable Development
Business Climate Change
10.31.06**

**K.C. Golden
Policy Director**



Approaching the Tipping Point: Clean energy transition drivers

- Energy independence and security



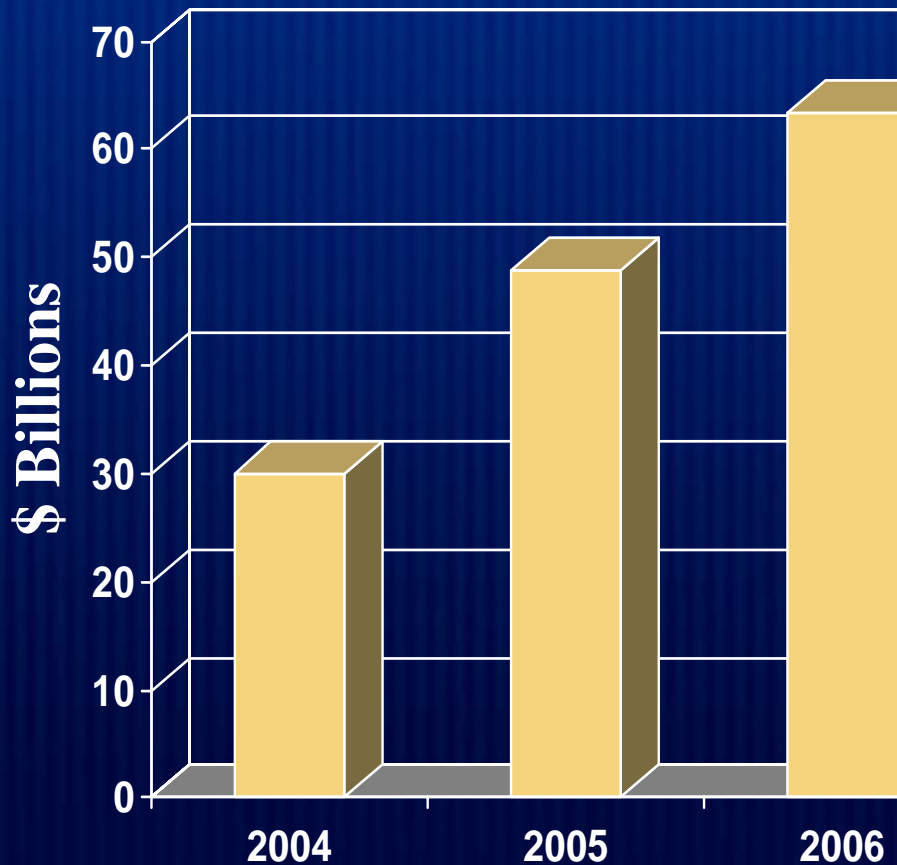
- Economics/Technology
 - Fossil fuel prices high, volatile
 - Clean energy coming of age

- Climate disruption:
Environmental necessity drives economic opportunity



**“The Stone Age didn’t end
because they ran out of stones”**

Private investment in clean energy



John Doerr:

**Sustainable technologies
are the next big thing ...
the mother of all markets.**

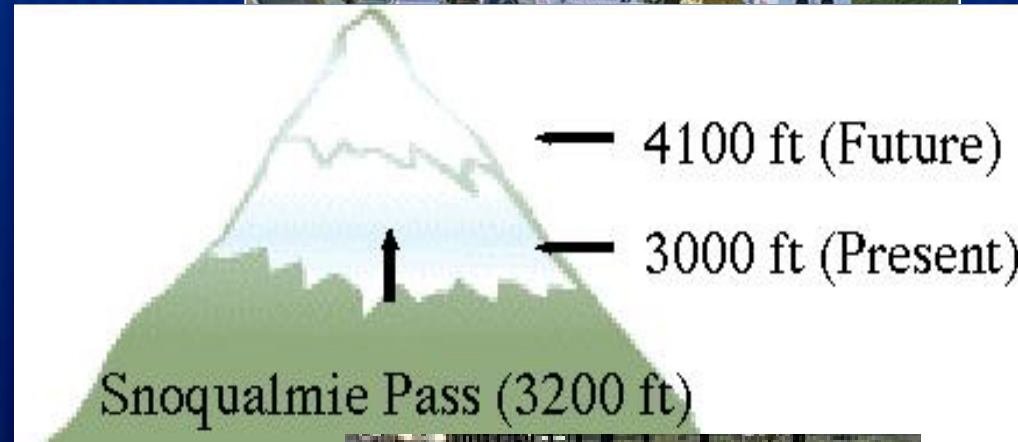
Martin Tobias:

**The energy industry is
like IBM in the 70s. It's
shooting fish in a barrel.**

“Global” warming is a local, state, and regional issue

Causes: local and regional transportation and energy decisions

Impacts: local and regional resources, economies



“Global” warming is a local, state, and regional issue

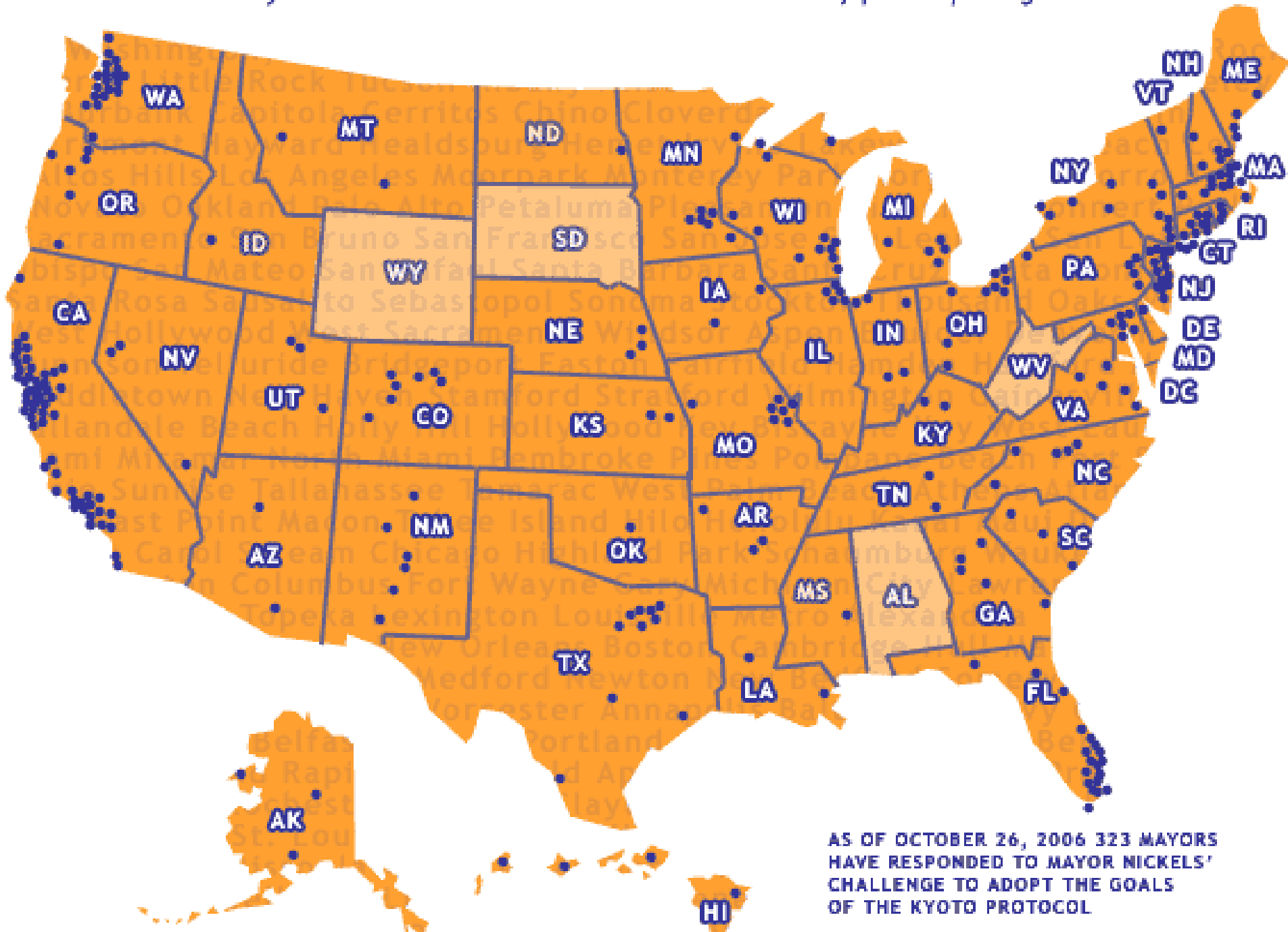
Solutions: clean cars; clean fuels; renewable power; energy efficiency; transportation choices... *sustainable prosperity*



Local actions feed *business development, international resolve*

- **2000 – City Light aims to zero out GHGs**
 - **Efficiency and renewables meet growth**
 - **Carbon “offsets” >> biodiesel market**
- **2003 – State adopts first climate policy**
- **2003-4 West Coast Governors initiative**
- **2005 -- Clean cars...40% of market**
- **2005 – US Mayors Initiative...a signal that America is part of the solution**

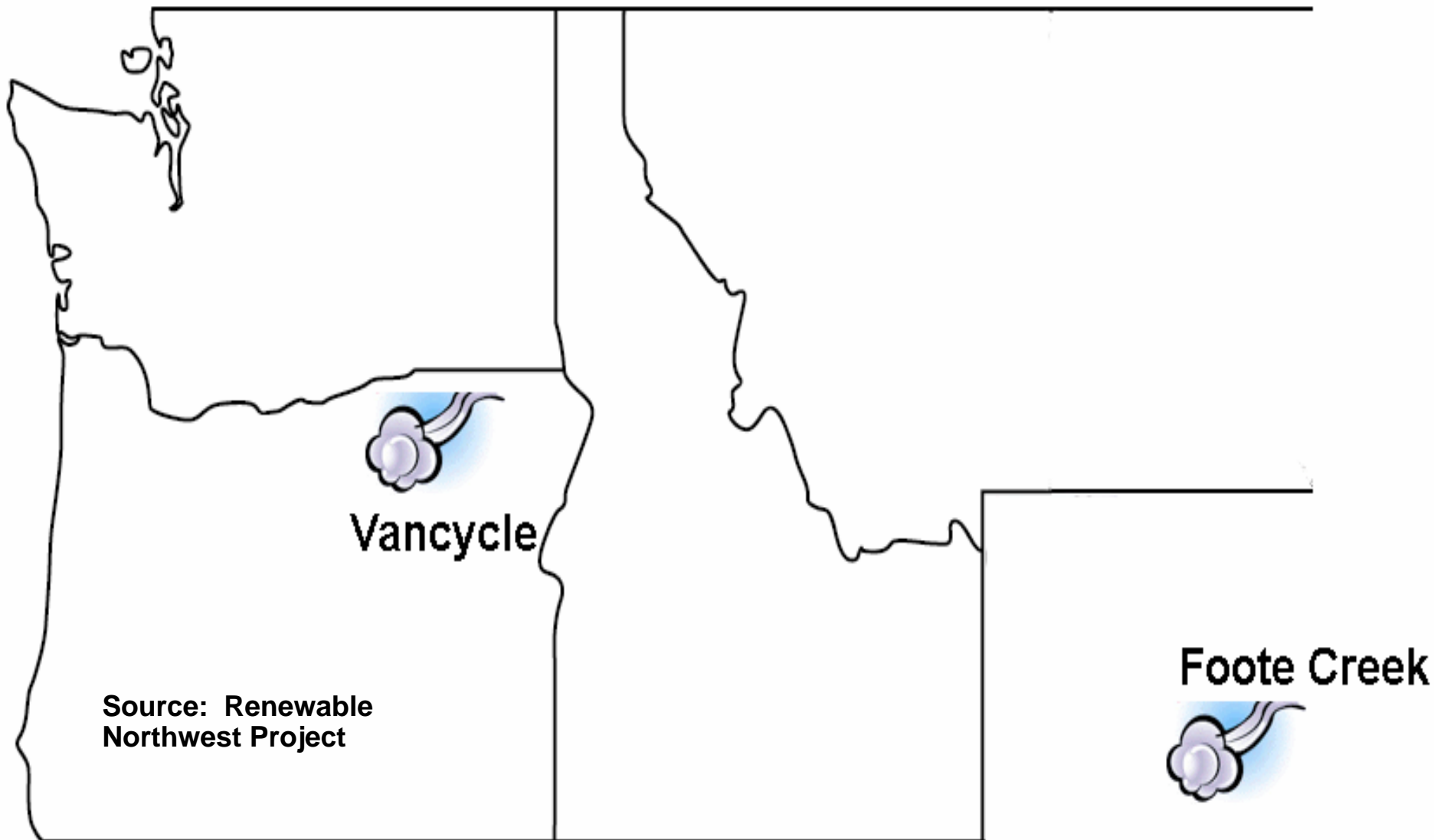
Pass your cursor over each state to view a list of participating cities.



AS OF OCTOBER 26, 2006 323 MAYORS
HAVE RESPONDED TO MAYOR NICKELS'
CHALLENGE TO ADOPT THE GOALS
OF THE KYOTO PROTOCOL

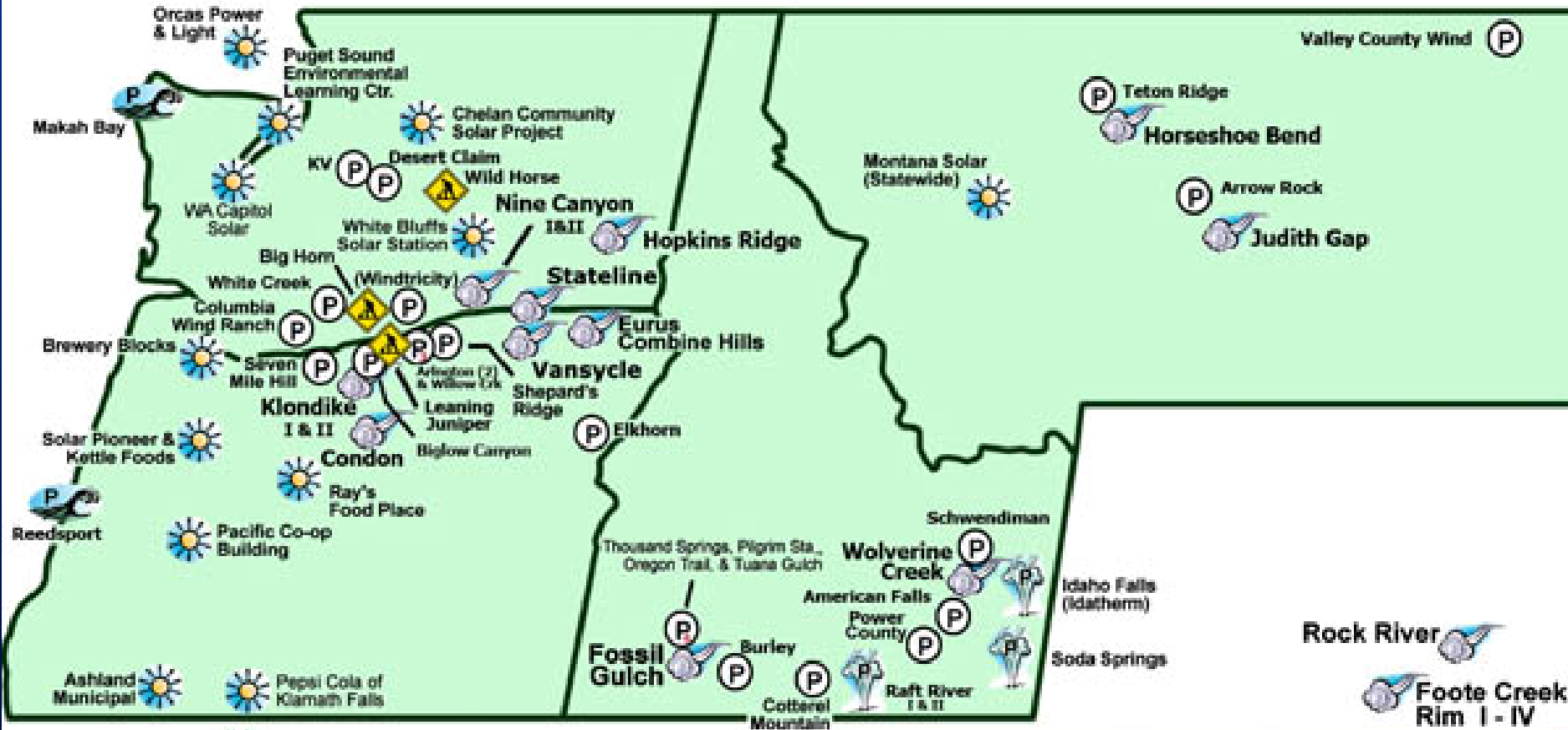


NW New Renewable Projects: 1998





New Renewable Projects: 2006



Glass Mountain

Legend



Wind - Operating



Wind - Construction



Wind - Proposed / Env Review



Geothermal



Wave/Tidal



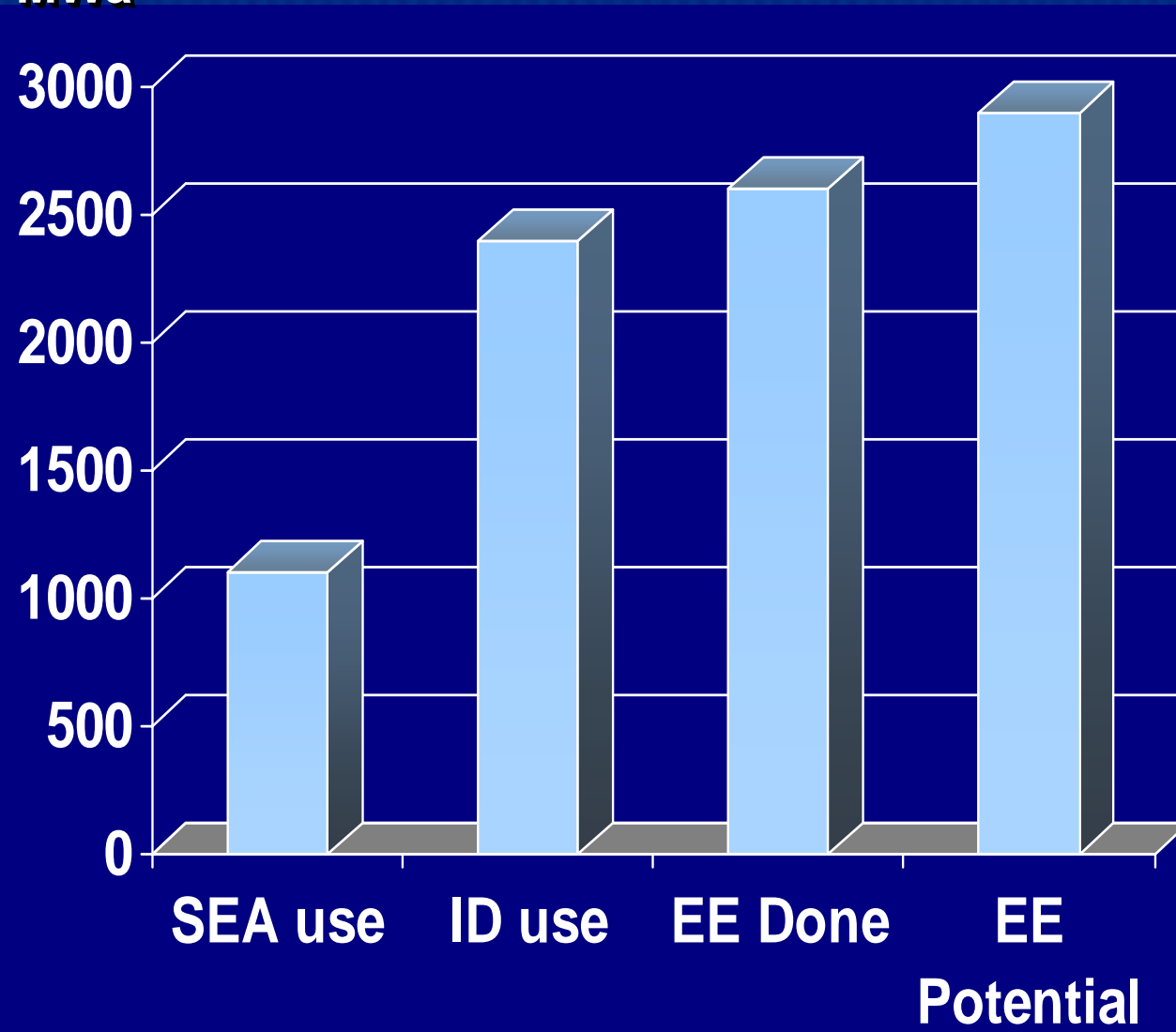
Solar

Last Updated 4/18/06

Clean energy = Economic opportunity

Efficiency: Job #1

MWa

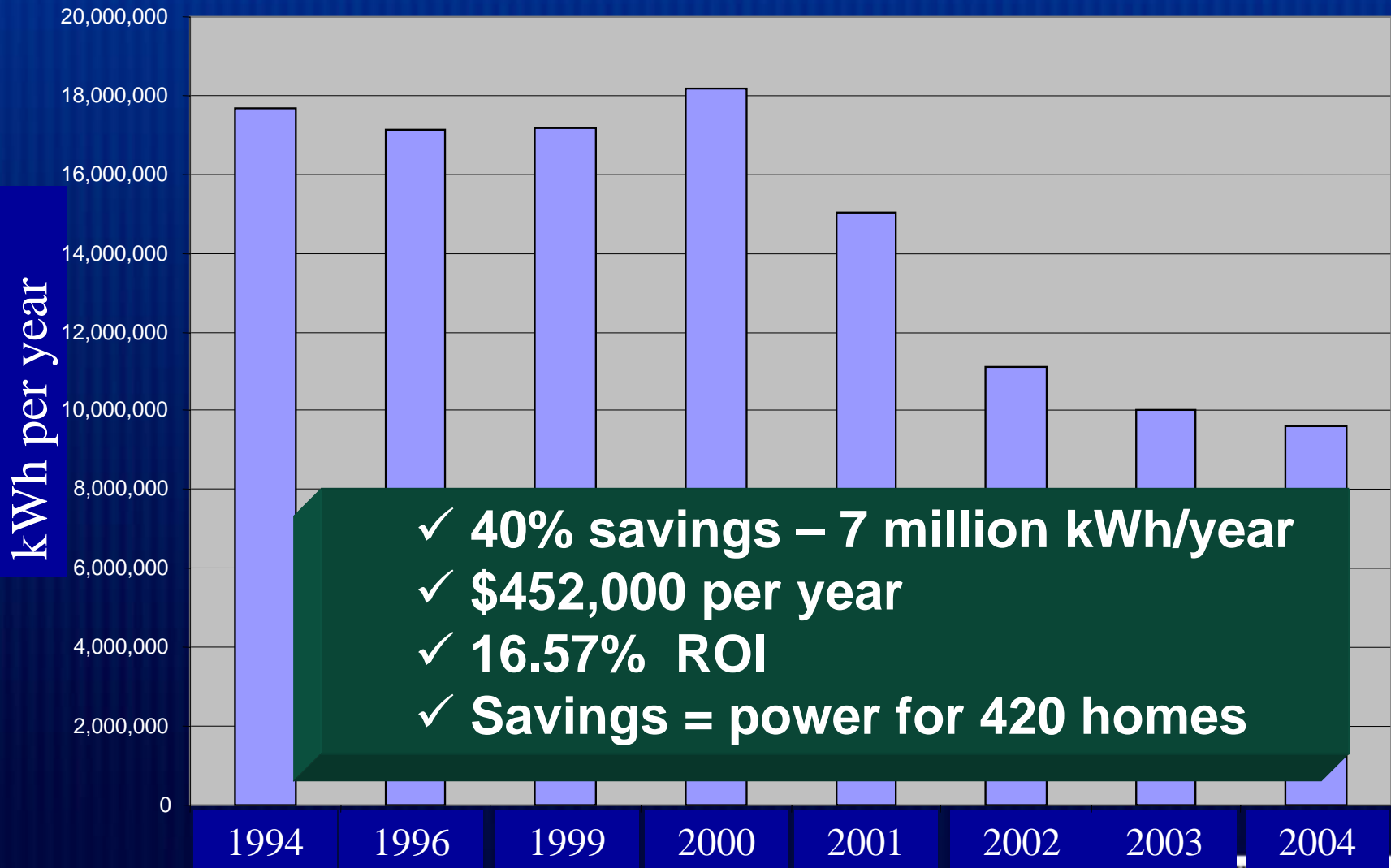


We've saved more than Idaho uses

We can save 3 times what Seattle uses

Annual savings: > \$500 million

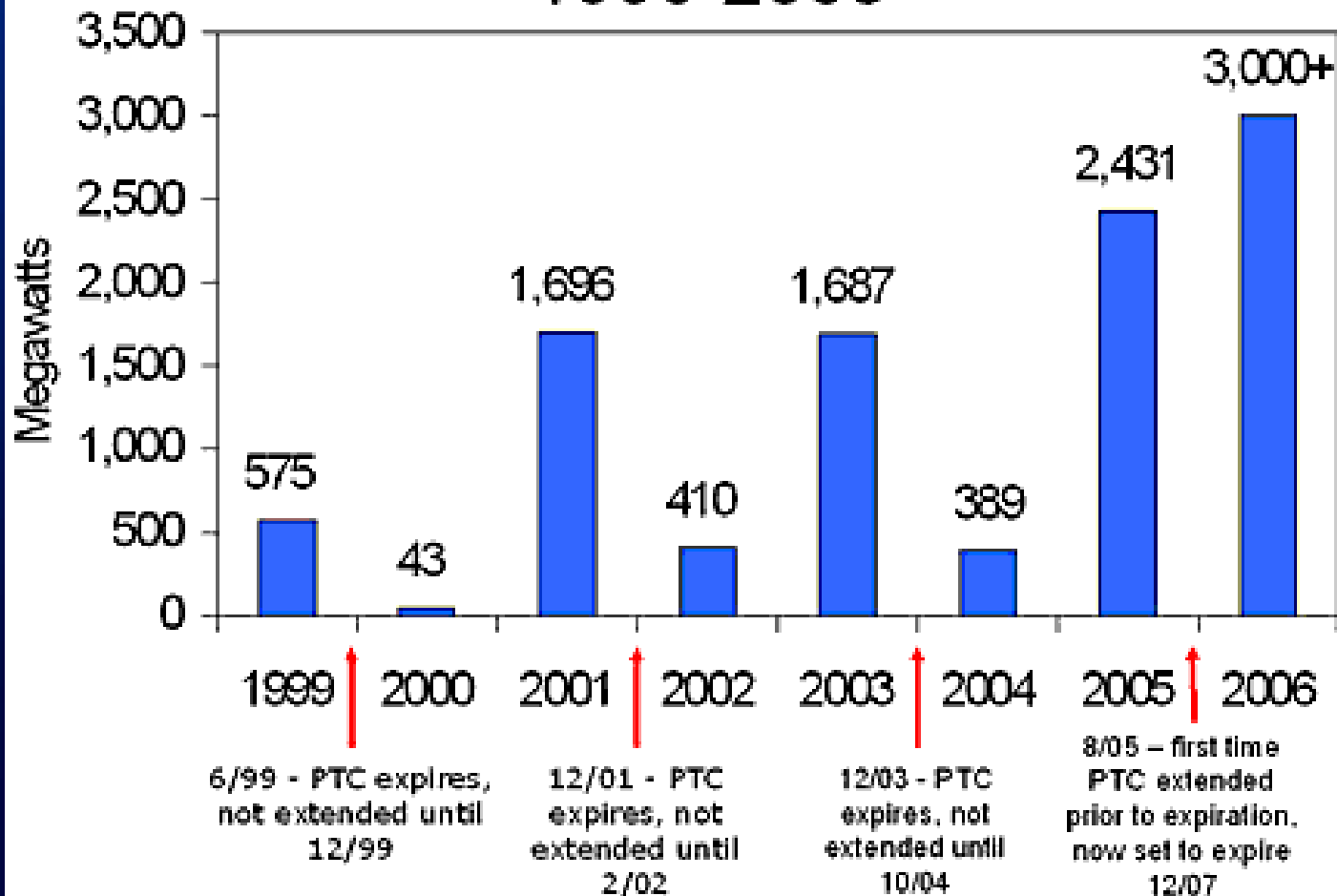
One Union Square Annual Energy Use



Policy matters: Denmark

...and U.S.

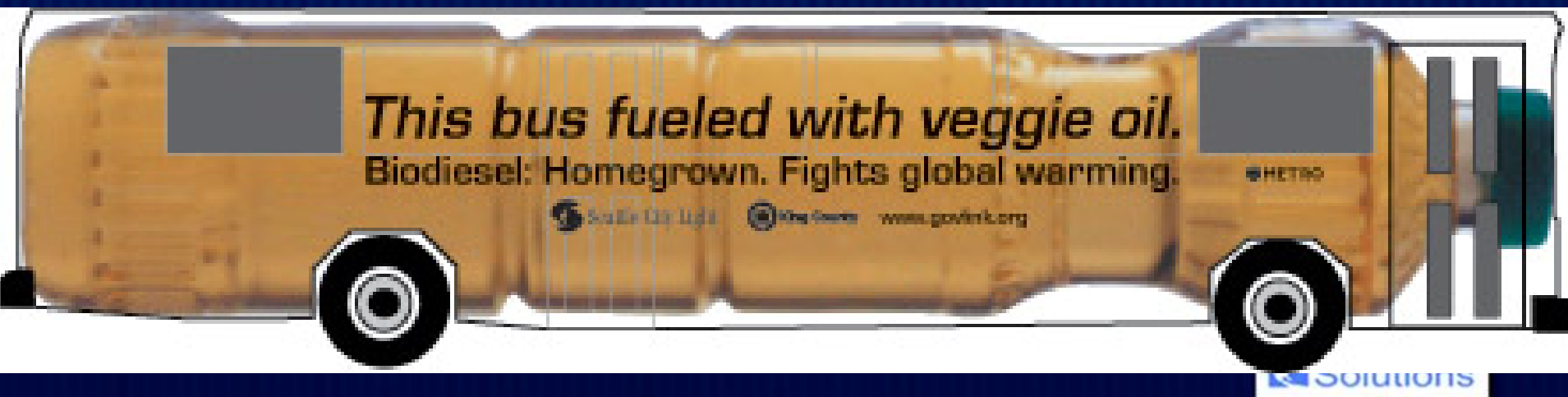
U.S. Wind Power Capacity Additions, 1999-2006



*2006 data based on industry estimates. Source: American Wind Energy Association, 2005.

Policy matters: Biofuels

- 2000-2004: Biodiesel from used french fry oil
- 2004: City Light aims for zero emissions, seeds biofuel market >>> **Seattle Biodiesel sites 5 million gallon plant in Duwamish**
- 2006: Renewable fuel standard >>> **New refineries near 200 million gallons**



I-937: The Clean Energy Initiative

- ✓ All cost-effective conservation – a tighter economic ship
- ✓ 15% new renewables by 2020 – sustained, orderly development of clean energy industry
- ✓ Good economics:
 - ✓ Efficiency is cheaper
 - ✓ Renewable advantage: free fuel
 - ✓ Fossil fuels are high, volatile

www.yeson937.org



Climate policy:

The essential role of goals and limits

- **Public and private roles:** Government sets the limits; markets invest
- **Economics:** With limits, markets allocate resources more efficiently and signal for acceleration of solutions.
- **Communications:** We can fix it with a results-oriented, quantitatively rigorous approach





Climate Solutions

We can do this. (And if not us, who?)



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