

Global Warming: Actions Brewing at the Federal Level



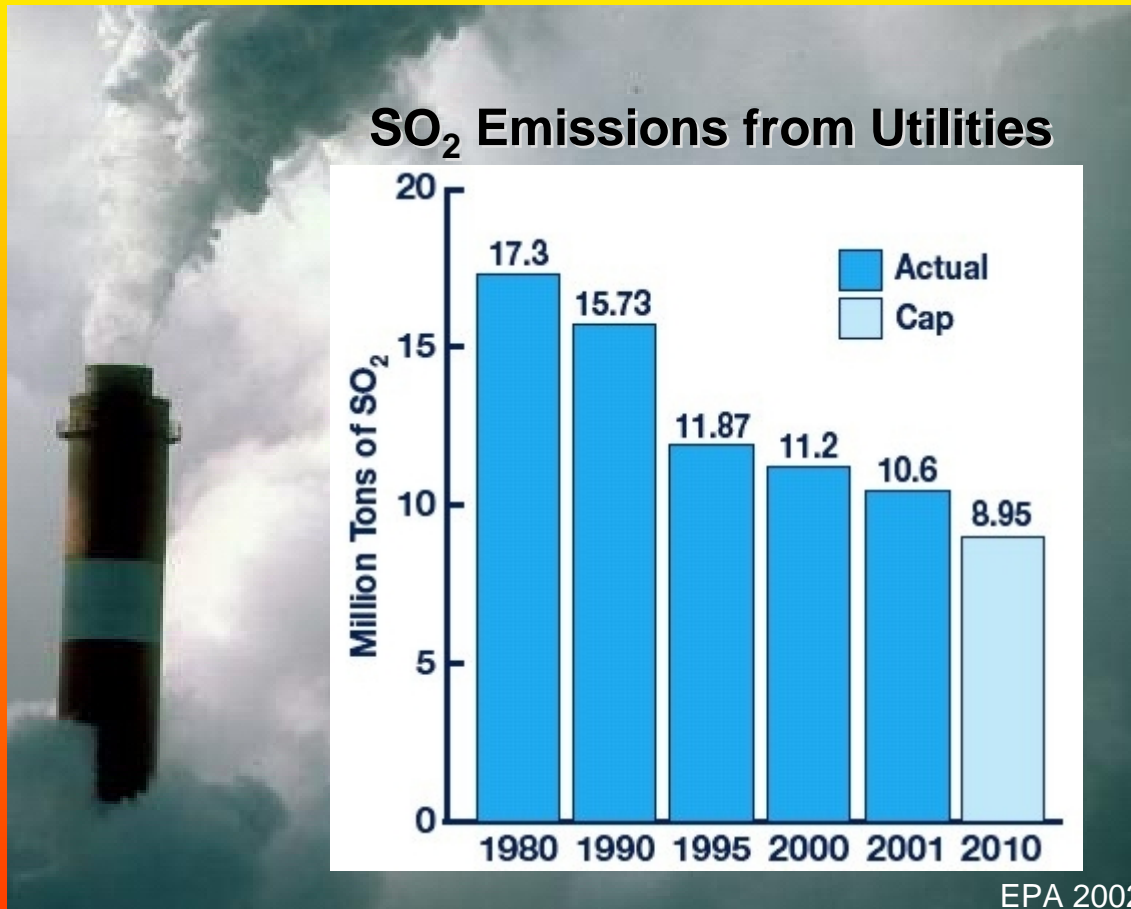
Deborah Williams and Susanne Fleek

Presented to A.F.E.

February 8, 2006

Cap and Trade Model

Regulating SO₂ through Cap and Trade



- SO₂ emissions have declined by more than 6.5 million tons since 1980.
- Fully implemented, the cap reduces SO₂ emissions to 50% of 1980 levels by 2010.

Senate Resolution

Finding #1: “Greenhouse gases accumulating in the atmosphere are causing average temperatures to rise...”

Finding #2: “There is a growing scientific consensus that human activity is a substantial cause of greenhouse gas accumulation in the atmosphere.”

Finding #3: “Mandatory steps will be required to slow or stop the growth of greenhouse gas emissions into the atmosphere.”

“It is the sense of the Senate that Congress should enact a comprehensive and effective national program of mandatory, market-based limits and incentives on emissions of greenhouse gases that slow, stop, and reverse the growth of such emissions ...”



- Won on a **53-44 vote**, with support of **12 Republicans**
- Initiated new discussion on a national, mandatory program to reduce global warming pollution.

Vehicle and Fuel Choices for American Security Act

- Bipartisan: 12 co-sponsors in the Senate including: Bayh (D), Coleman (R), Salazar (D), Brownback (R), and Lieberman (D)
- 41 co-sponsors in the House.
- Mandates 2.5 million barrels in oil-savings in 10 years.
- Encourages hybrids, alternative fuels.
- Fuel efficiency standards for trucks.
- Fuel efficient replacement tires.



Socolow Wedges

- **Increase fuel economy**
- **Reduced use of vehicles**
- **Increase energy efficiency of buildings**
- **Increase today's coal power efficiency**
- **Increase efficiency of gas powered power plants**
- **Capture CO₂ at power plant**
- **Increase renewable energy use (wind, biomass, solar)**

Federal Solutions on the Table



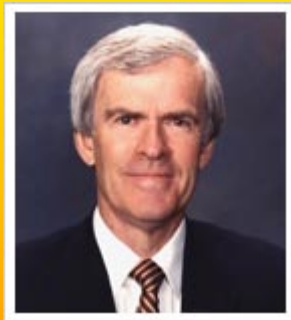
- Renewable Portfolio Standard
 - Passed twice by Senate
- Power Plant 4 Pollutant Bills
 - Jeffords-Collins-Lieberman+17
 - Waxman-Boehlert+92
 - Carper-Chafee-Gregg-Alexander
 - Bass-Bradley-Cooper-Davis
- McCain-Lieberman
- Bingaman-Domenici

Federal Solution: McCain-Lieberman

- Limits emissions to 2000 levels in 2010 + 15%
- Market-based system modeled on acid rain program.
- Allows trading across companies, gases, sectors.
- Compliance costs less than \$20 per household.



Bingaman - Domenici



- Based on recommendations of the National Commission on Energy Policy.
- Recently posed several questions on how legislation should be structured.
 - adaptation funds
 - technology incentives
 - who pays and when

Why is Alaska Important?



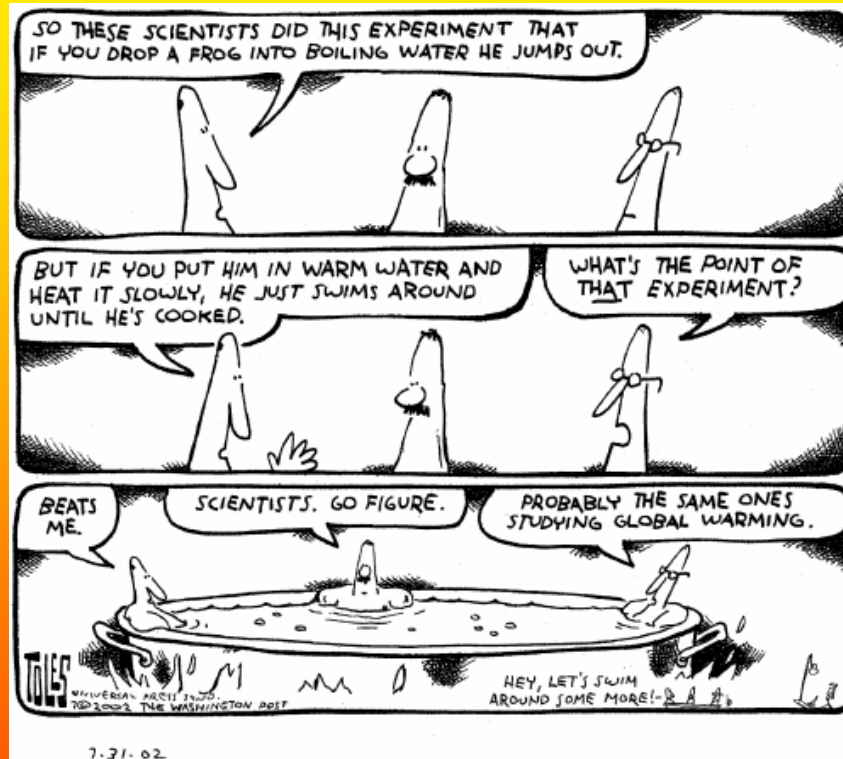
- We have a story to tell
- Senator Stevens
- Senator Murkowski

Where is the Administration?



- Research budget
- Voluntary programs
 - Climate Leaders Program
 - Asia-Pacific Pact
- Agency planning and decision-making
 - National Park Service
 - US Fish and Wildlife Service
 - BLM
 - Minerals Management Service
 - US Forest Service
 - NOAA/NMFS

When Will We Jump?



THANK YOU