

International Climate Challenge Reducing GHG Emissions under the Clean Air Act

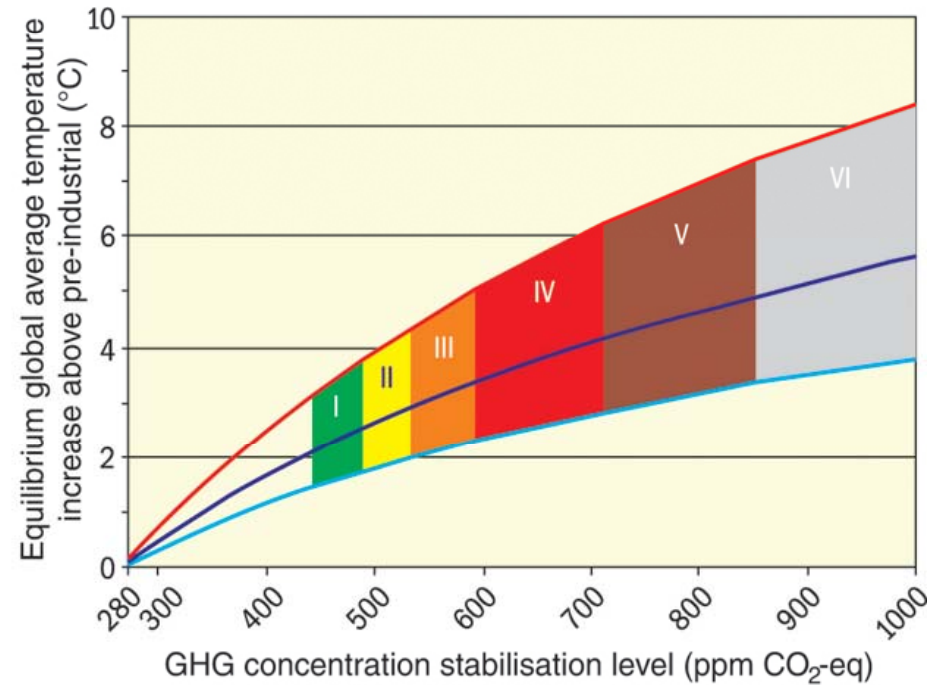
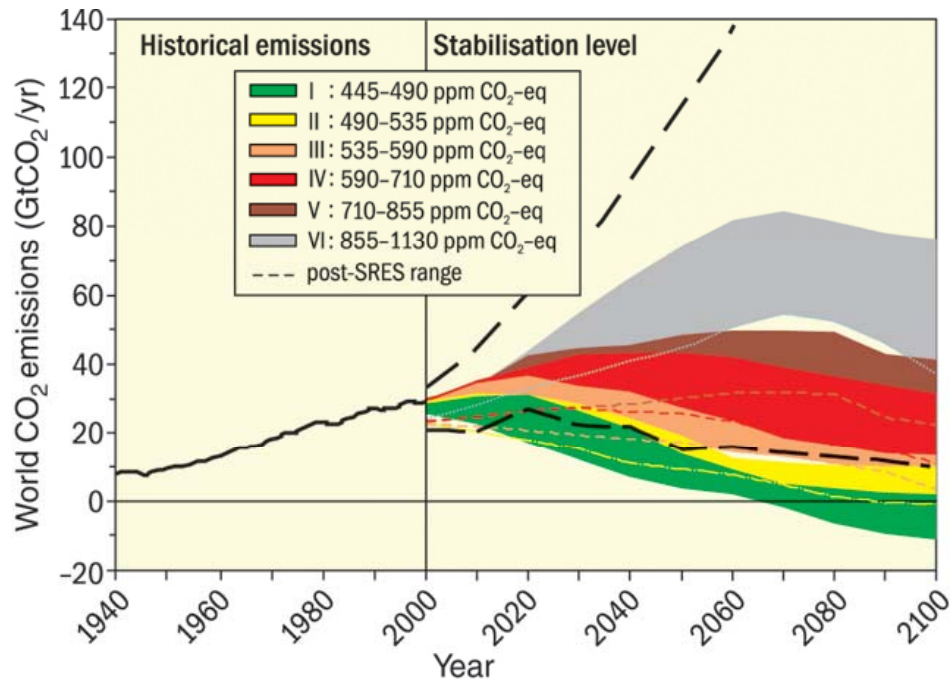
EPA Mobile Source Technical Review Subcommittee

Drew Kodjak, Executive Director

September 17, 2008



450 ppm CO₂e target necessary for a 50-50 chance of 2°C rise in global average temperature

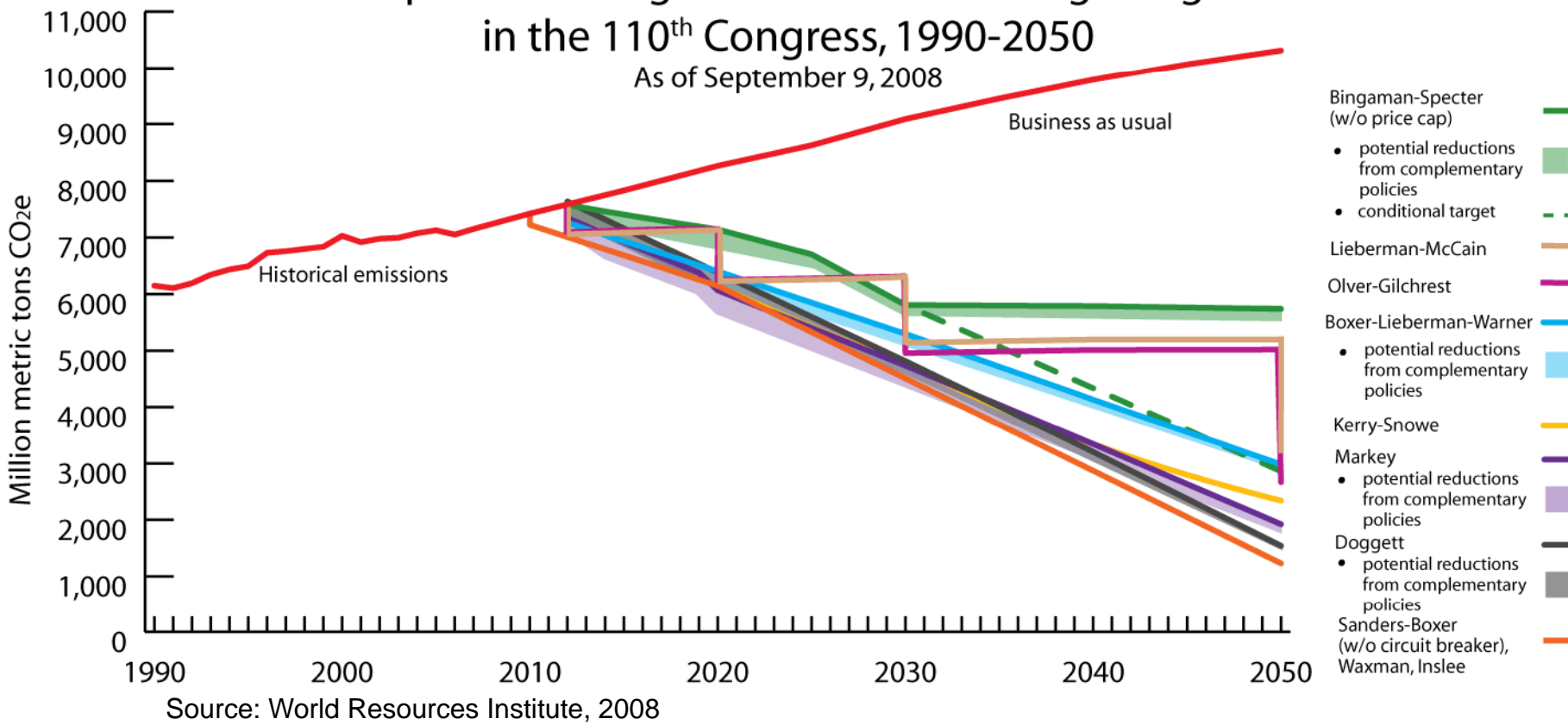


Source: IPCC Fourth Assessment Report, 2007

U.S. Target

3 to 5 Gt of GHG emission reductions from BAU by 2030

Comparison of Legislative Climate Change Targets
in the 110th Congress, 1990-2050
As of September 9, 2008



Deep long-term emission reductions (50% by 2030; 80% by 2050) needed from all sectors of the economy including transportation

Appropriate Framework for Climate Policy

- Steady Progress
 - Primary objective: Energy Security or Climate Change
- Technology Innovation
 - Lead-times and phase-in periods
- All GHG Emissions
 - Life-cycle approach -- fuels and vehicles as a system
- Historical success
 - Emission standards v. Fuel Economy
- Global leadership