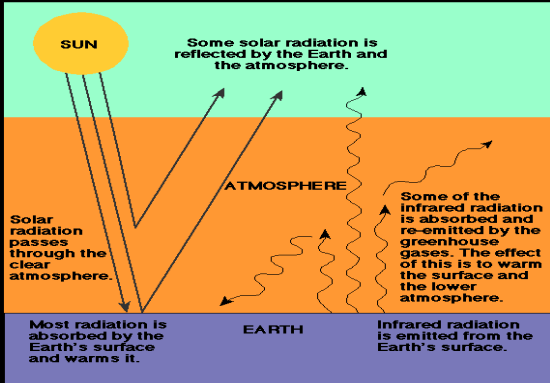


Global Warming and Texas



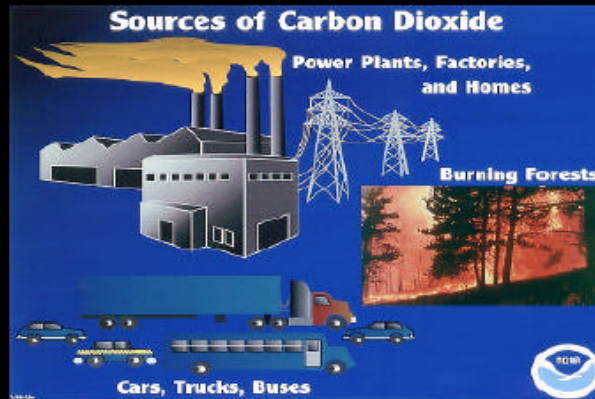
The Greenhouse Effect



Source: University of Maryland Meteorology Department



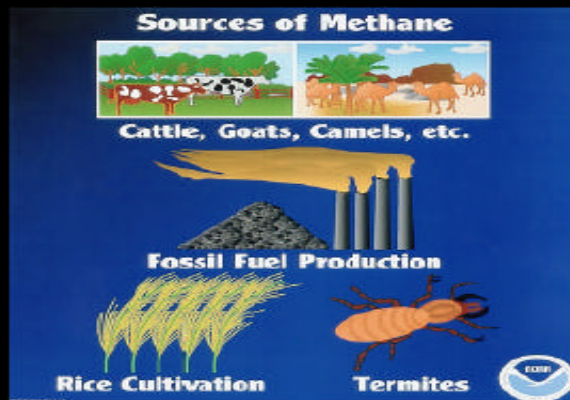
Major Sources of Carbon Dioxide



Source: EPA/NASA/NOAA



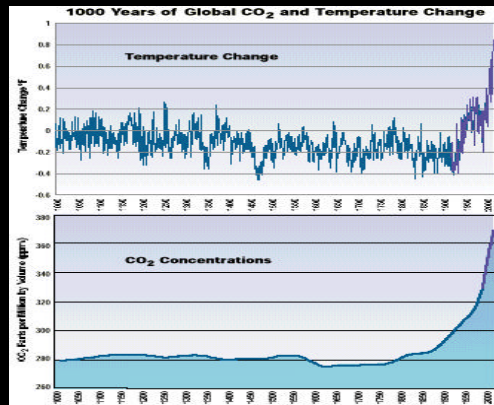
Major Sources of Methane



Source: EPA/NASA/NOAA



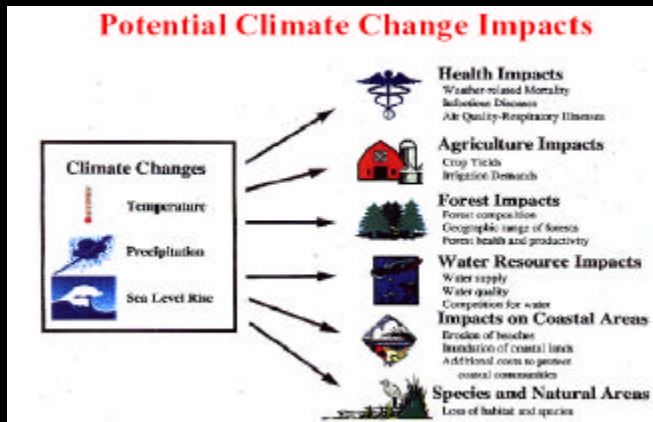
Historical and Observed CO₂/Temperature Linkage



Source: US National Assessment, US Global Change Program, 2001.



What's at Stake in Texas?



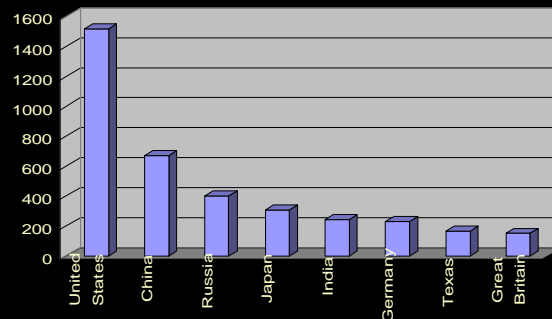
Brief History of Global Warming and Texas Policy

- In July 2000, a coalition of environmental groups petitioned the TNRCC to adopt rules on global warming.
- In January 2002, the TNRCC released its first statewide global warming report with recommendations.



Texas Ranks #7 in the World

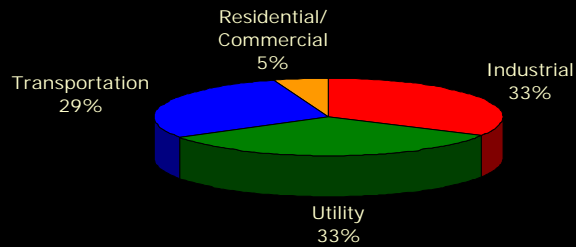
Greenhouse Gas Emissions
(million metric tons of carbon equivalent)



Source: Texas State Energy Conservation Office.



Texas GHG Emissions

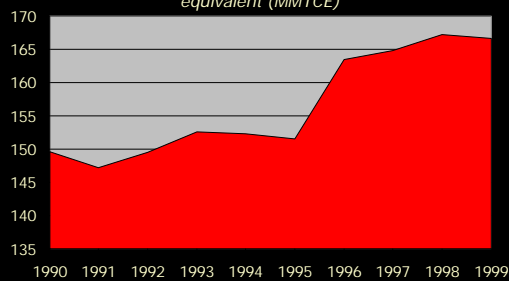


Source: Greenhouse Gases: A Report to the Commission. Texas Natural Resource Conservation Commission 2002.



Growth in Texas' GHG Emissions

Texas Greenhouse Gas Emissions from Fossil Fuels (1990-1999)
Totals per year - in million metric tons carbon equivalent (MMTCE)

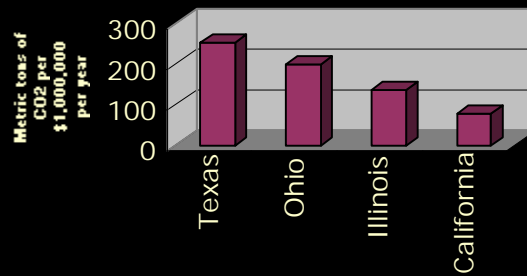


Source: Energy Information Administration.



Texas Can Become More "GHG Efficient"

Carbon Dioxide Emissions
by Gross State Product



Source: Public Citizen

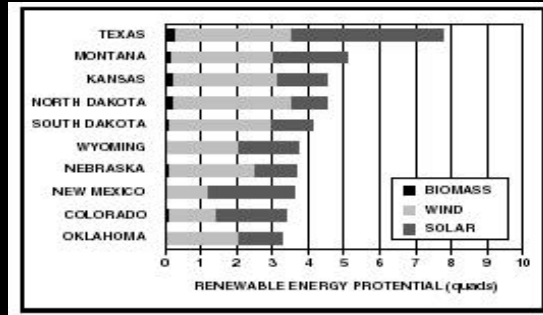


Solutions to Global Warming

- Cooler homes
- Cooler industries
- Cooler power
- Cooler cars



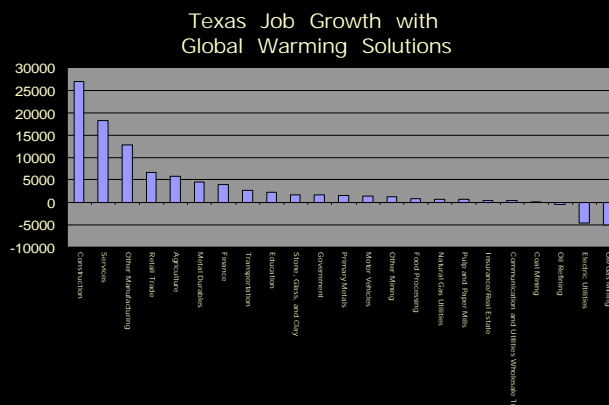
Texas Has Enormous Renewable Energy Potential



Source: Texas State Energy Conservation Office.



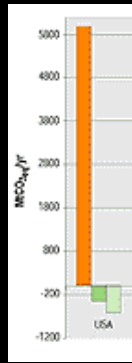
Global Warming Solutions Can Boost the Texas Economy



Source: Texas' Global Warming Solutions, Tellus Institute, 2000.



Carbon Sequestration: A Red Herring?



- Under a high estimate, carbon sequestration can “absorb” less than 10 percent of US GHGs.

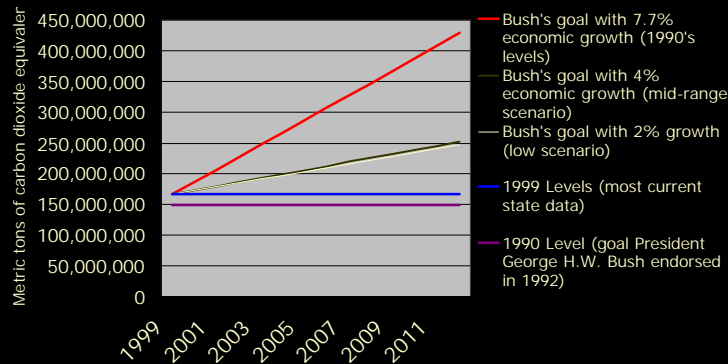
■ Emissions 1990 (MtCO₂e/yr)
■ Annual sequestration through activities in forestry (low estimates)
■ Annual sequestration through activities in forestry (high estimates)

Source: Nabuurs et al. (2000) in Climate Change 2001: Mitigation. International Panel on Climate Change Third Assessment Report.



Bush's Global Warming Plan's Impacts on Texas

The Effects of Bush's Global Warming Plan on Texas



What Are Other States Doing?

- 34 states have conducted a GHG inventory.
- 26 states have developed global warming action plans.
- 13 states have begun implementing greenhouse gas reduction strategies.



State's Are Taking Responsibility for Global Warming

- New England Governor's Plan
 - 1990 levels by 2010
 - 10% below 1990 levels by 2020
- Governor Pataki of New York
 - reduce state agency electricity usage through energy efficiency improvements (35% below 1990 levels by 2010).
 - Commit to purchasing renewable energy for state buildings (10% by 2005, 20% by 2010).
 - Increase alternative use in state fleet vehicles (At least 50% of new vehicle purchases will operate on alternative fuel by 2005, 100% by 2010).



Next Steps

- Personal - Individual actions count
- Business - Cleaner companies have an edge
- Governor - Lead by example
- Legislature - protect Texas for future generations

