

# Greenhouse Gas Emissions in the Annual Energy Outlook

EIA Energy Outlook, Modeling and Data Conference  
March 28, 2007  
Washington, DC

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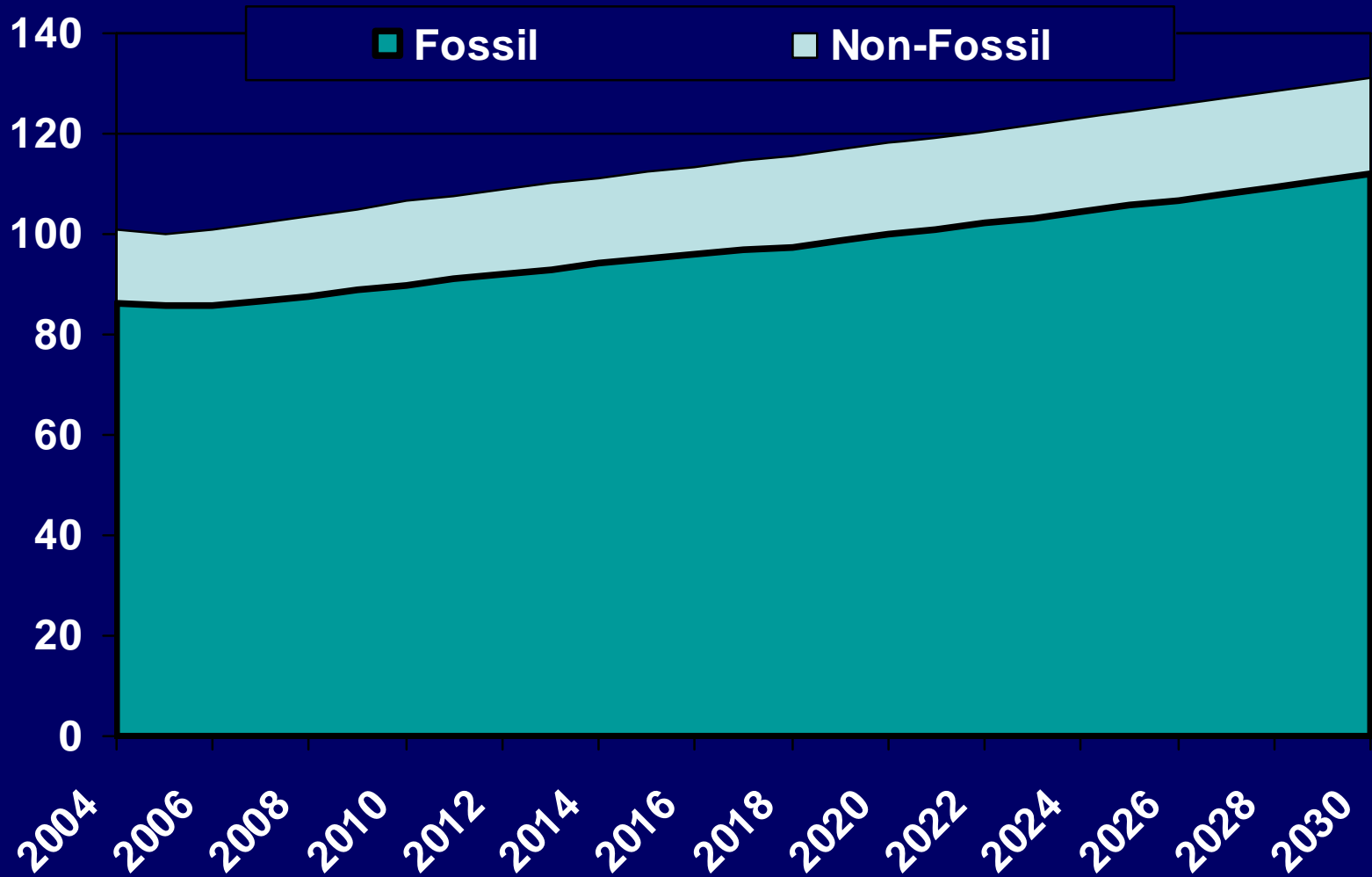
# Energy Information Administration

- Independent statistical agency within the Department of Energy
  - [www.eia.doe.gov](http://www.eia.doe.gov)
- Produce monthly short-term and annual long-term forecasts of U.S. and world energy markets
- Short Term Energy Outlook
  - <http://www.eia.doe.gov/emeu/steo/pub/contents.html>
- Annual Energy Outlook, 2007
  - <http://www.eia.doe.gov/oiaf/aeo/index.html>
- International Energy Outlook, 2006
  - <http://www.eia.doe.gov/oiaf/ieo/index.html>
- Produce special analyses of emerging issues and the impacts of regulatory/legislative changes
  - [http://www.eia.doe.gov/oiaf/service\\_rpts.htm](http://www.eia.doe.gov/oiaf/service_rpts.htm)
  - <http://www.eia.doe.gov/oiaf/analysis.htm>
- EIA's analyses and projections should not be seen as advocating or reflecting any position of the Department of Energy, the Administration, or any other organization.

# About the Annual Energy Outlook 2007

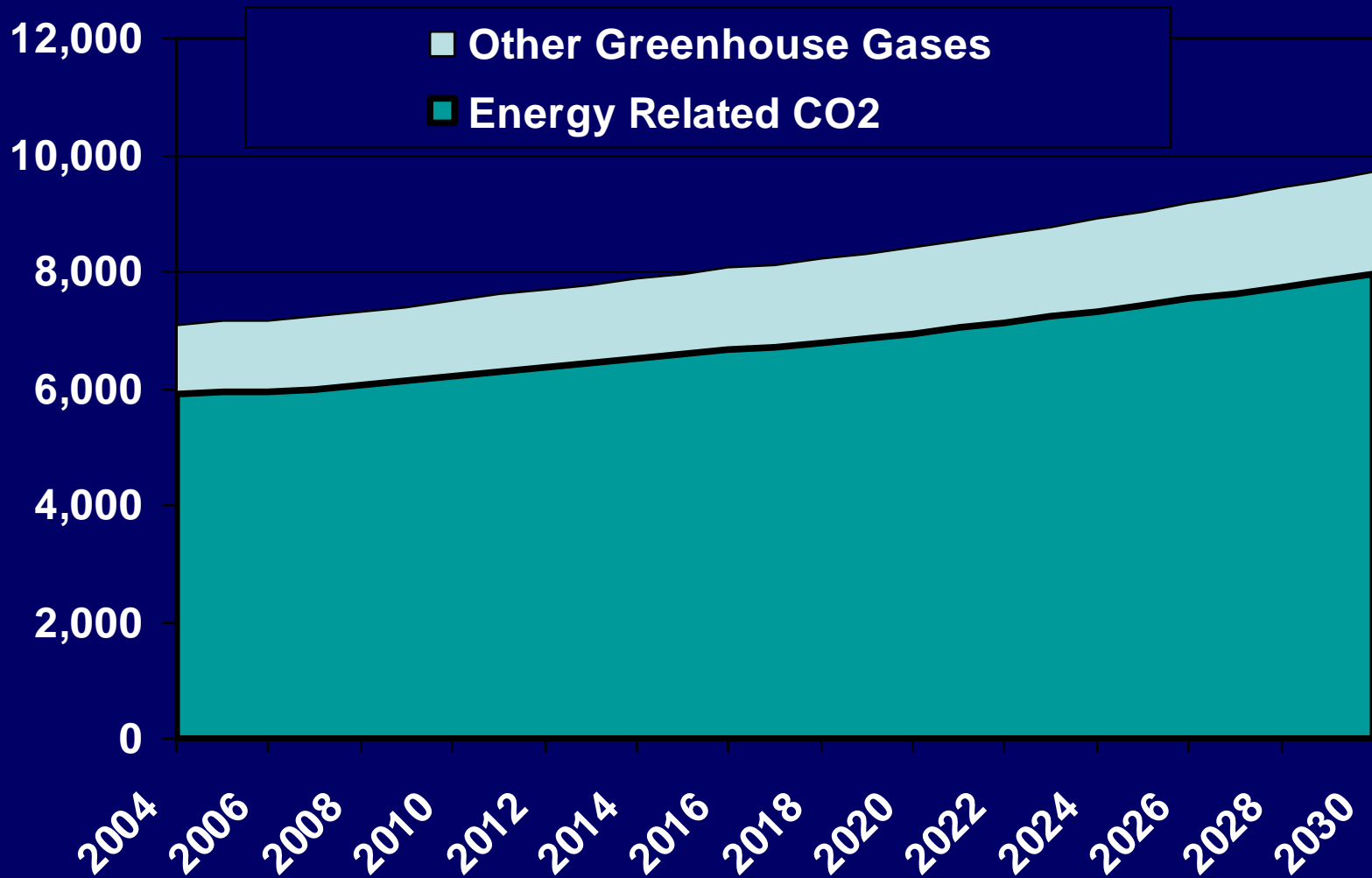
- **Energy markets are uncertain!**
- **AEO2007 reference case based on current rules and regulations as of October 2006**
- **AEO2007 includes over 30 cases, including:**
  - **Three alternative economic growth cases**
  - **Three alternative oil/gas price cases**
  - **Three coal price cases**
  - **Dozens of alternative technology cases**
    - **Lower and higher renewable technology cost and performance cases**
    - **Lower and higher nuclear technology cost and performance cases**
    - **Lower and higher fossil technology cost and performance cases**
    - **Lower and higher end use technology cost and performance cases**
  - **Several regulatory sensitivity cases**
  - **All cases should be considered**
- **All projections are wrong!**
- **Greenhouse gas regulations would change the outlook!**

# Total Energy Consumption (Quadrillion Btu)

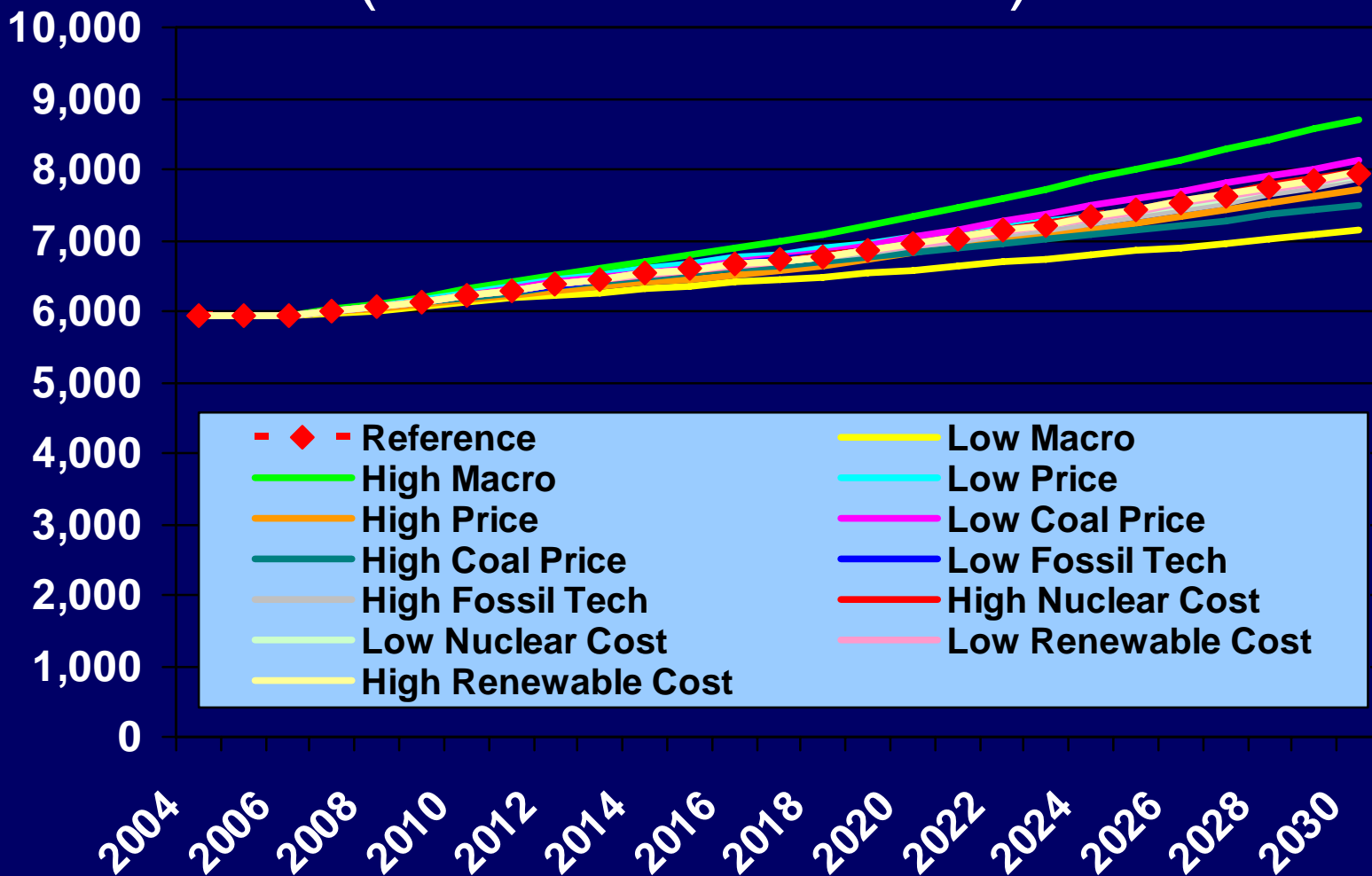


# Total Greenhouse Gas Emissions

(Million Metric Tons Carbon Dioxide Equivalent)



# Energy Related Carbon Dioxide Emissions in Alternative Cases (Million Metric Tons)



# EIA Analyses Impacting Greenhouse Gas Emissions

- Energy Market Impacts of a Clean Energy Portfolio Standard – Follow-up, February 2007
- Energy Market and Economic Impacts of a Proposal to Reduce Greenhouse Gas Intensity with a Cap and Trade System, January 2007
- Energy and Economic Impacts of H.R. 5049, the Keep America Competitive Global Warming Policy Act, September 2006
- Energy Market Impacts of a Clean Energy Portfolio Standard, June 2006
- Energy Market Impacts of Alternative Greenhouse Gas Intensity Reduction Goals, March 2006

# EIA Analyses Impacting Greenhouse Gas Emissions, continued

- Impacts of the Modeled Recommendations of the National Commission on Energy Policy, April 2005
- Analysis of Senate Amendment 2028, the Climate Stewardship Act of 2003, May 2004
- Analysis of S. 1844, the Clear Skies Act of 2003; S. 843, the Clear Air Planning Act of 2003; and S. 366, the Clean Power Act of 2003, May 2004
- Analysis of S. 485, the Clear Skies Act of 2003, and S. 843, the Clean Air Planning Act of 2003, September 2003
- Analysis of S.139, the Climate Stewardship Act of 2003, June 2003



# EIA Analyses Impacting Greenhouse Gas Emissions, continued

- Impacts of the Kyoto Protocol on U.S. Energy Markets and Economic Activity, October 1998
- Ongoing studies
  - Analysis of S. 280, the Climate Stewardship and Innovation Act of 2007
  - Proposal requiring 25 percent renewable fuels in the motor vehicle transportation and electricity markets by 2025

# Thank you

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202-586-2025