

Annual Energy Outlook 2006

Briefing for the Transportation Review Board Session: "Crude Awakening: Oil in the New Millennium."

Energy Information Administration

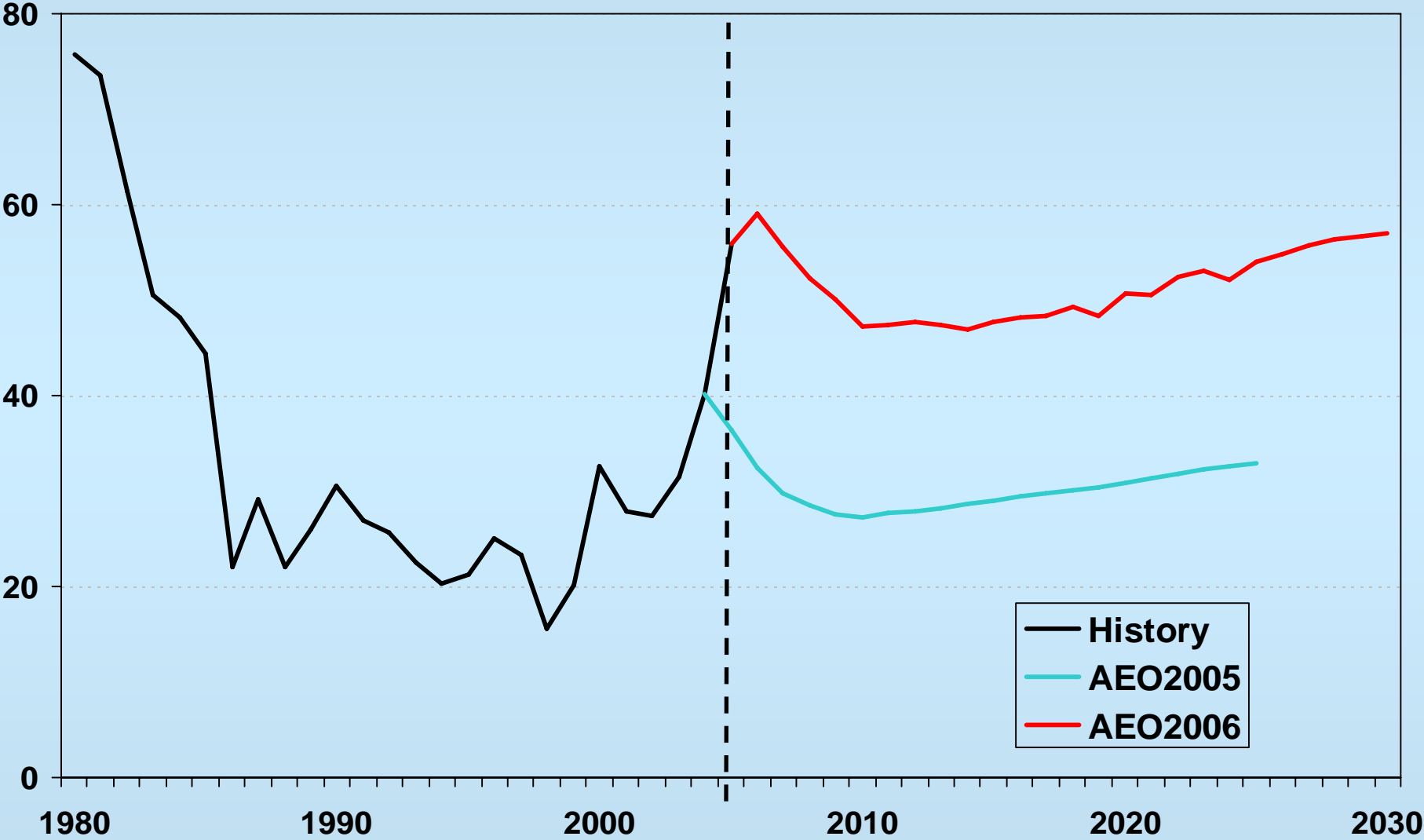
Tuesday, January 24, 2006



EIA Has Reassessed its Long-term Oil Price Projection

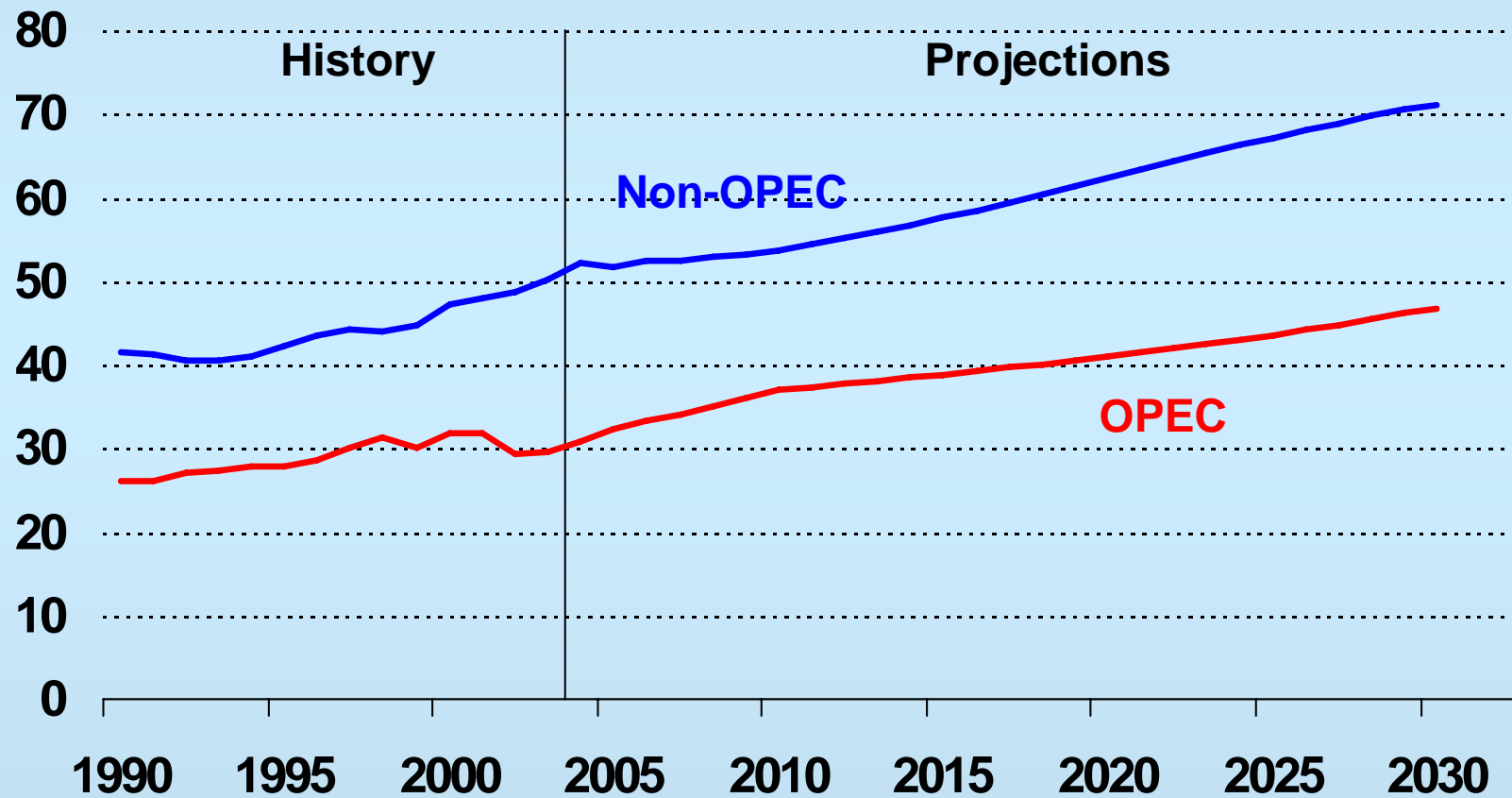
- **Major oil producing countries pace investment more consistent with higher oil price path**
- **Investment impediments more persistent, even after several years of relatively higher oil prices**
- **Cost of doing business increasing**
- **Not due to “Peak Oil” considerations, although we are following this issue closely**

World Oil Price*, 1980-2030 (2004 dollars per barrel)

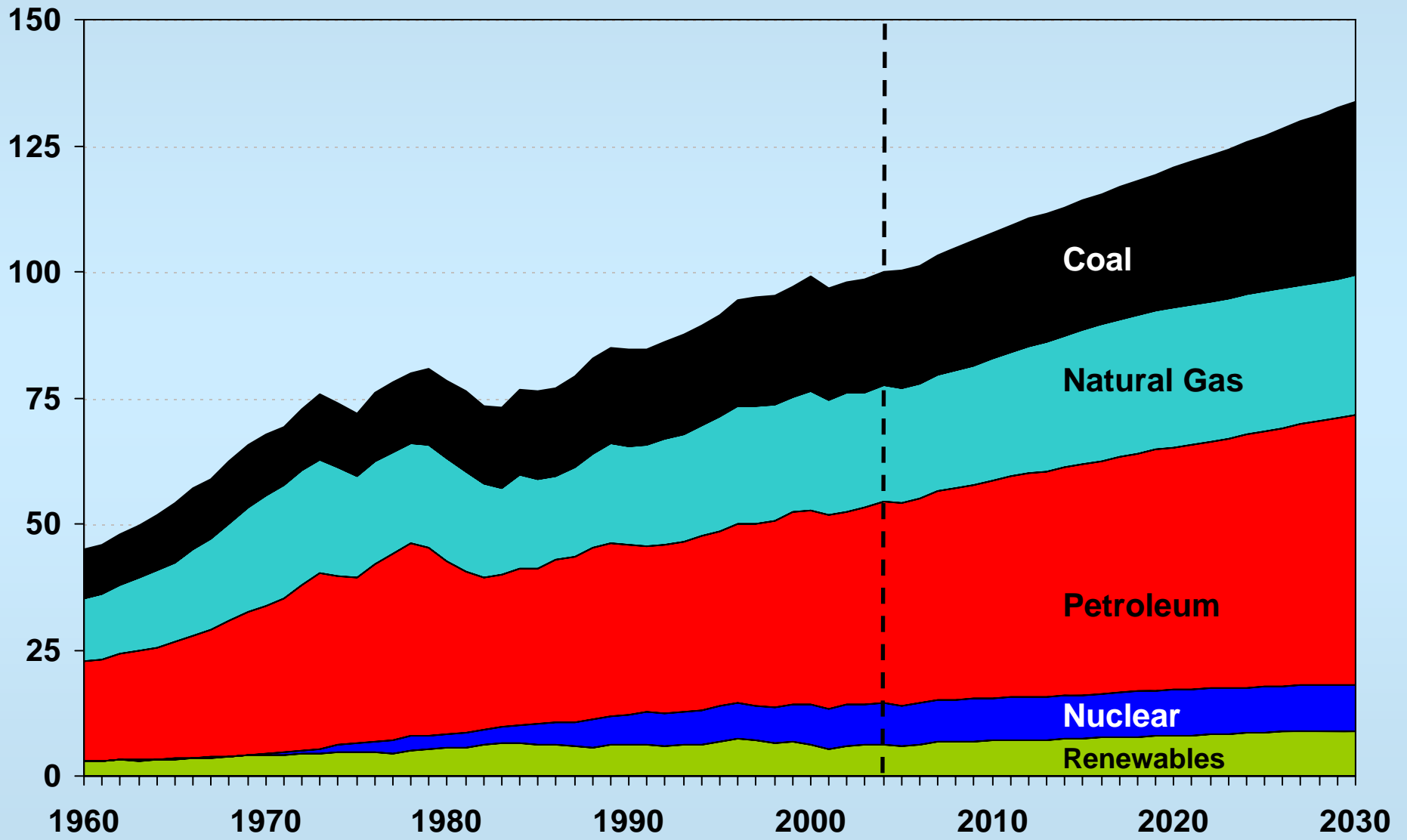


*World oil price is the weighted average price of imported low sulfur light crude oil.

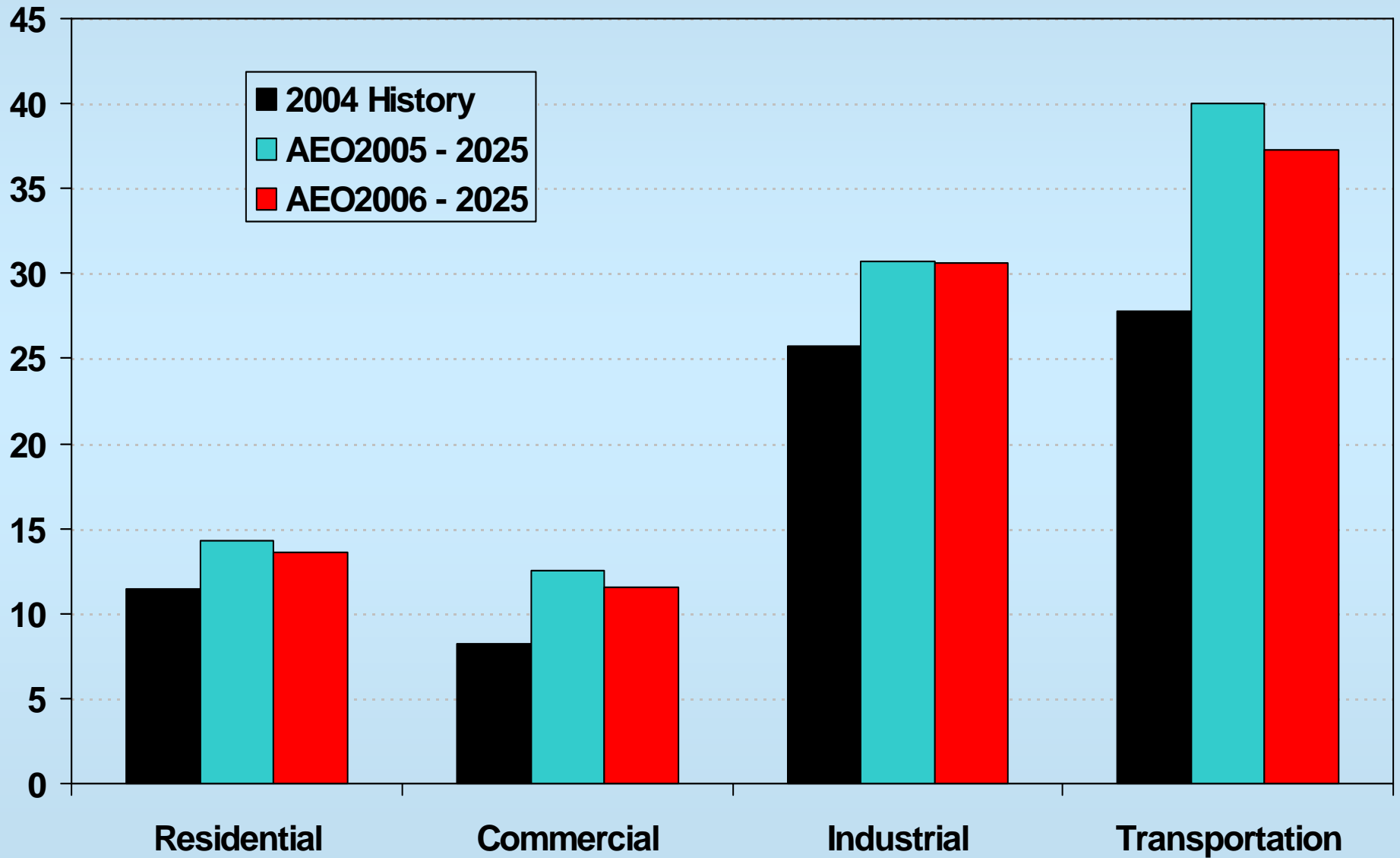
OPEC/Non-OPEC Production, 1990-2030 (million barrels per day)



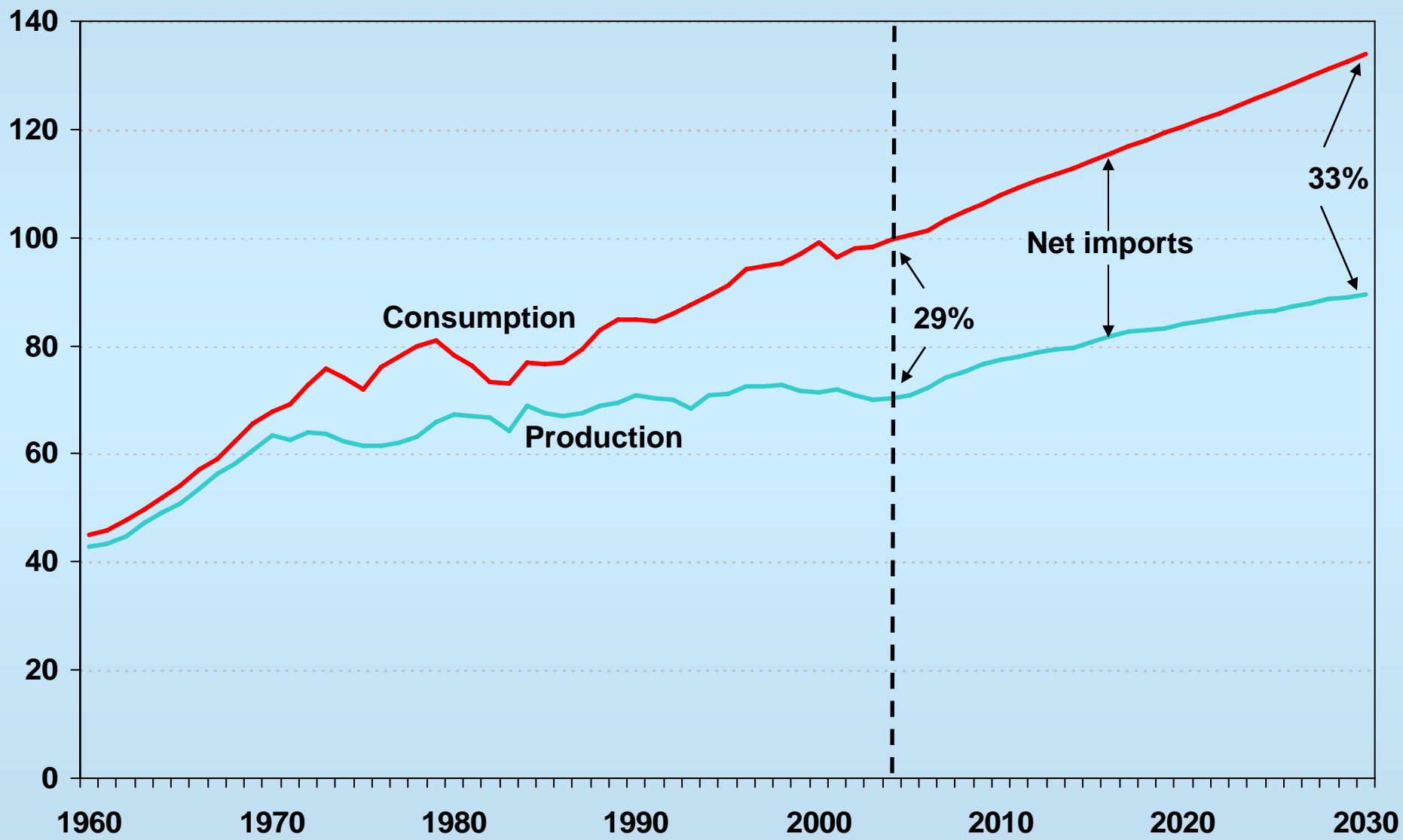
Primary Energy Consumption by Fuel, 1960-2030 (quadrillion Btu)



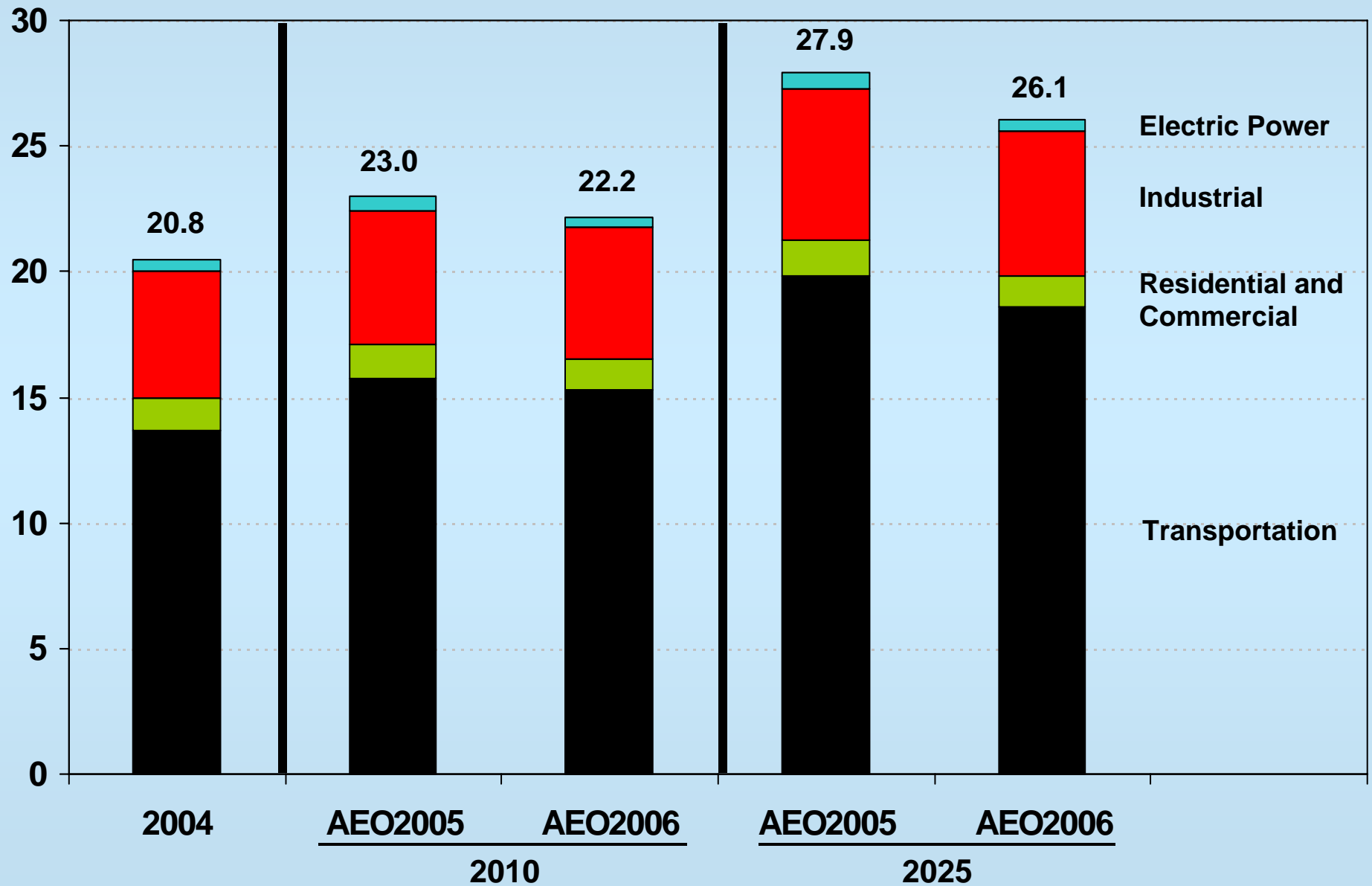
Delivered Energy Consumption by Sector, 2004 and 2025 (quadrillion Btu)



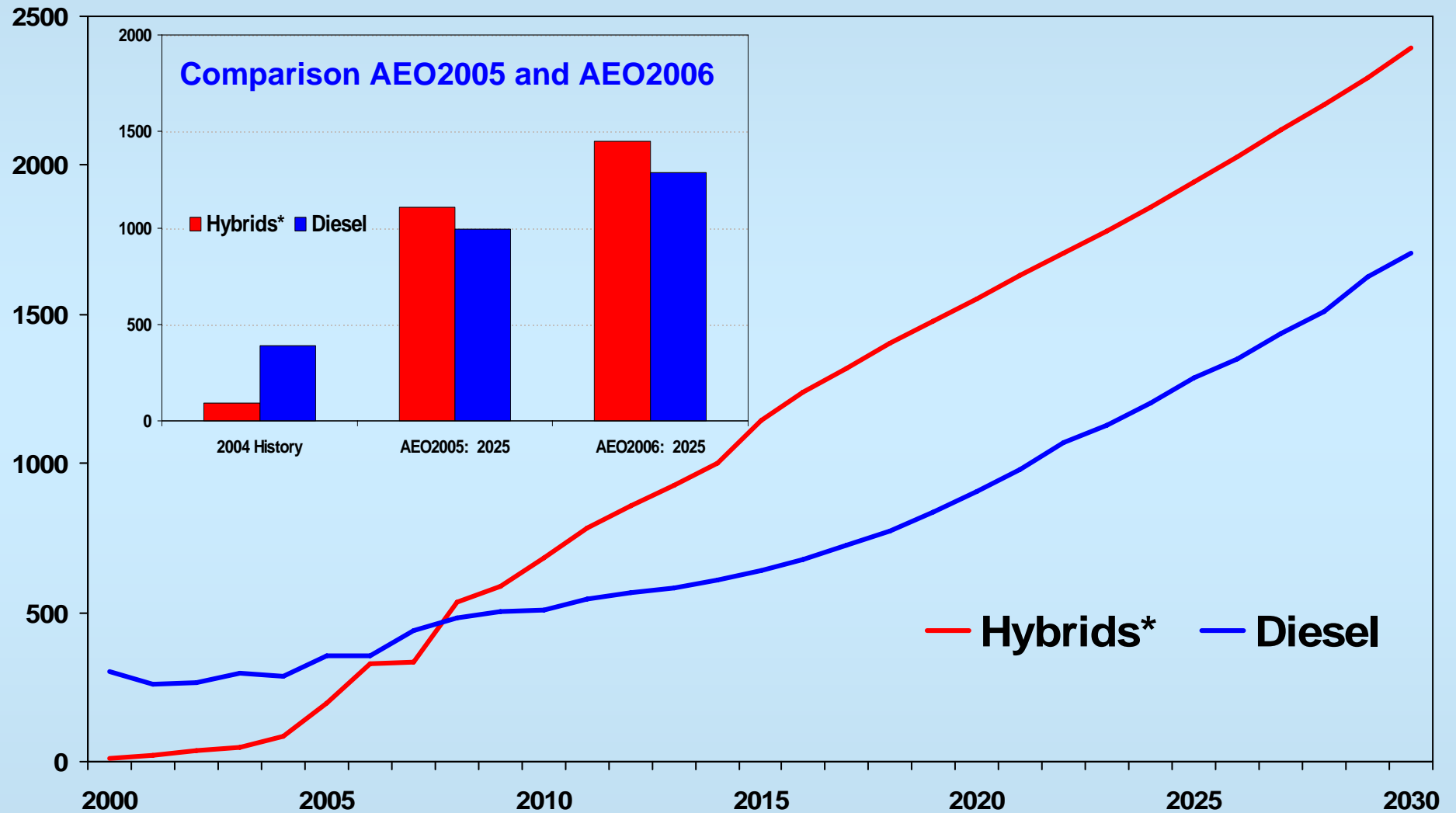
U.S. Energy Production, Consumption, and Net Imports, 1960-2030 (quadrillion Btu)



Petroleum Consumption by Sector, 2004, 2010, and 2025 (millions of barrels per day)

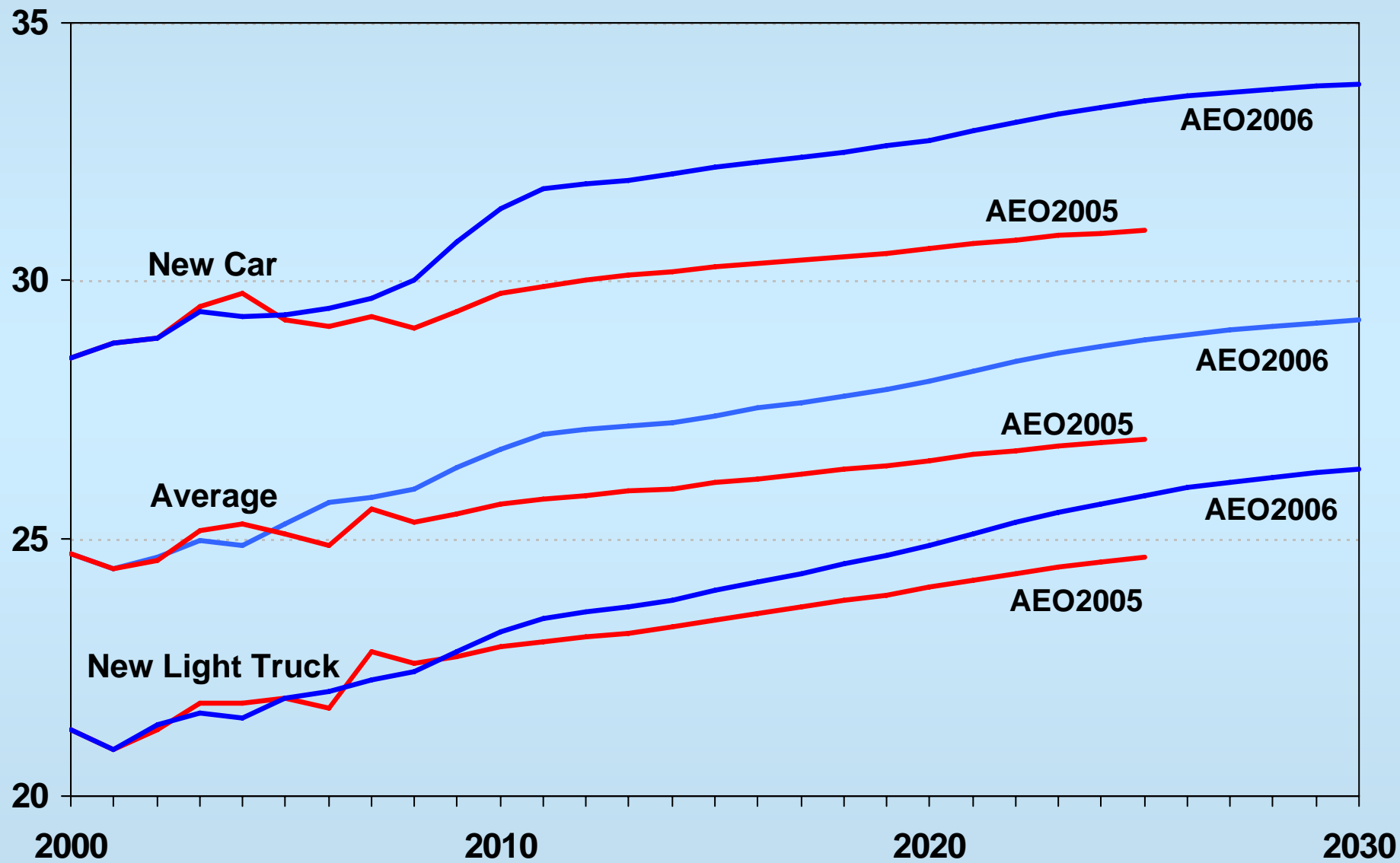


Sales of "Full" Hybrid and Diesel Vehicles, 2004 - 2030 (thousand units)

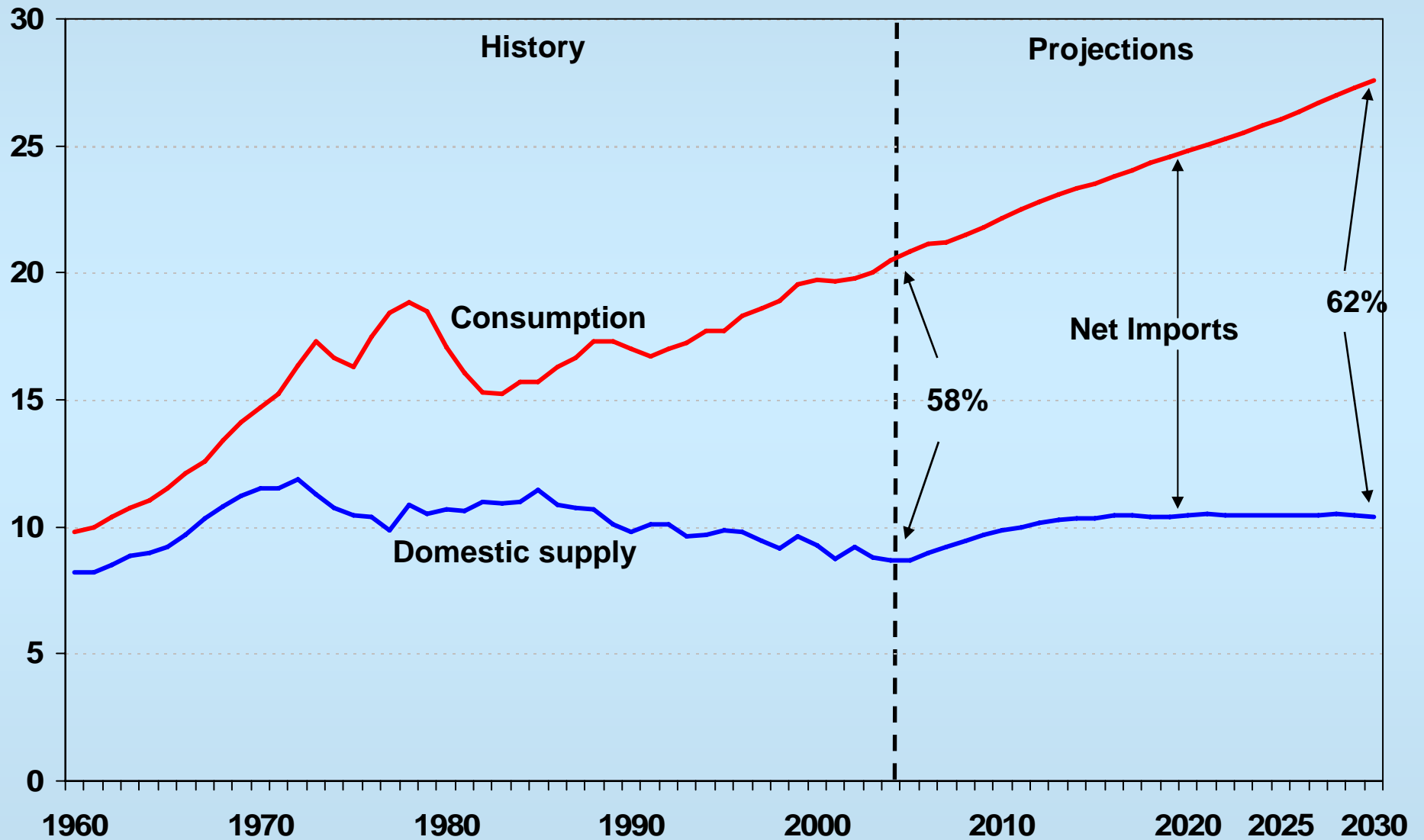


*"Full" hybrids are those in which both electric motors and combustion engines provide tractive power to the vehicle.

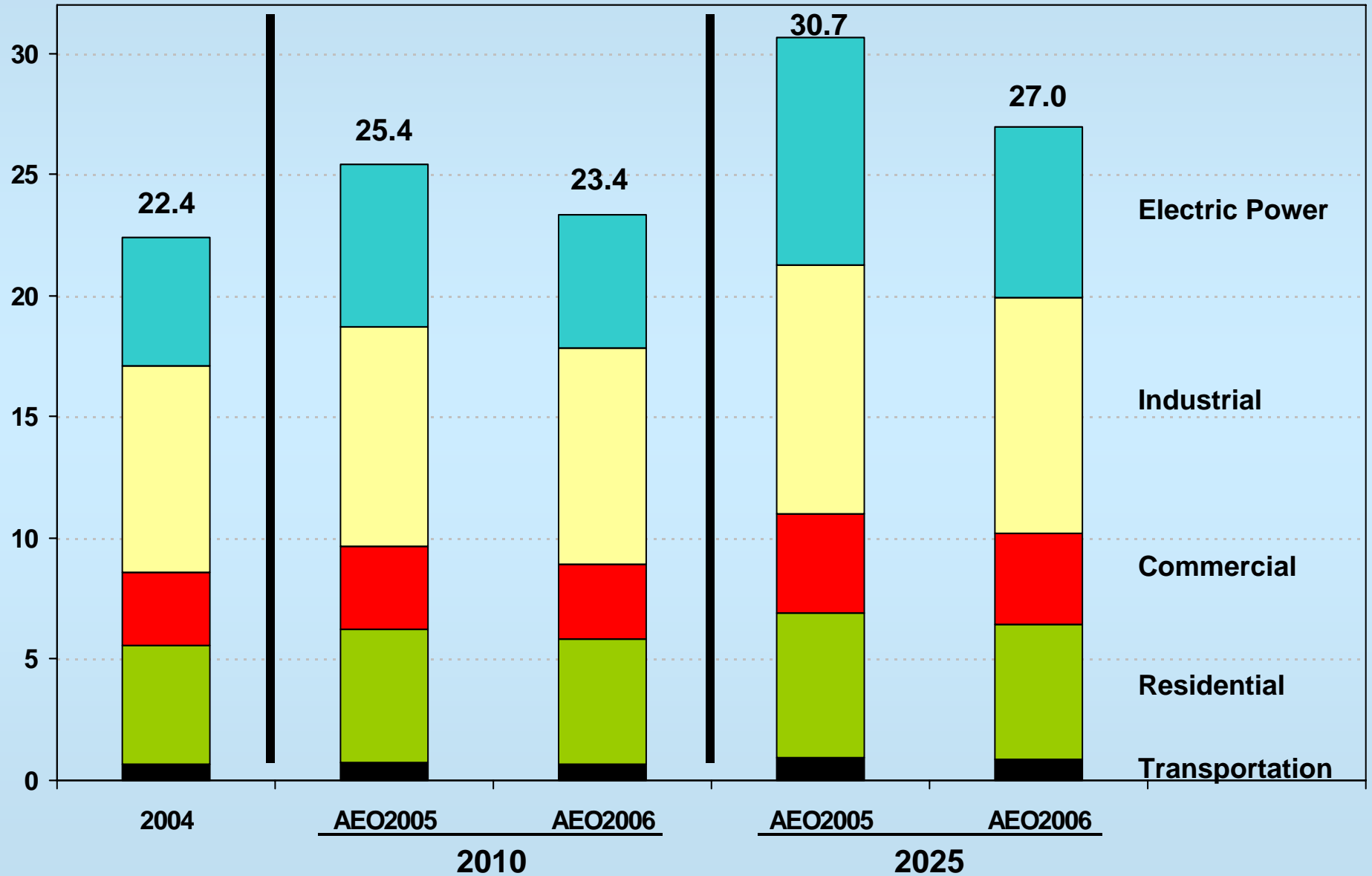
New Vehicle Efficiency, 2002-2030 (miles per gallon)



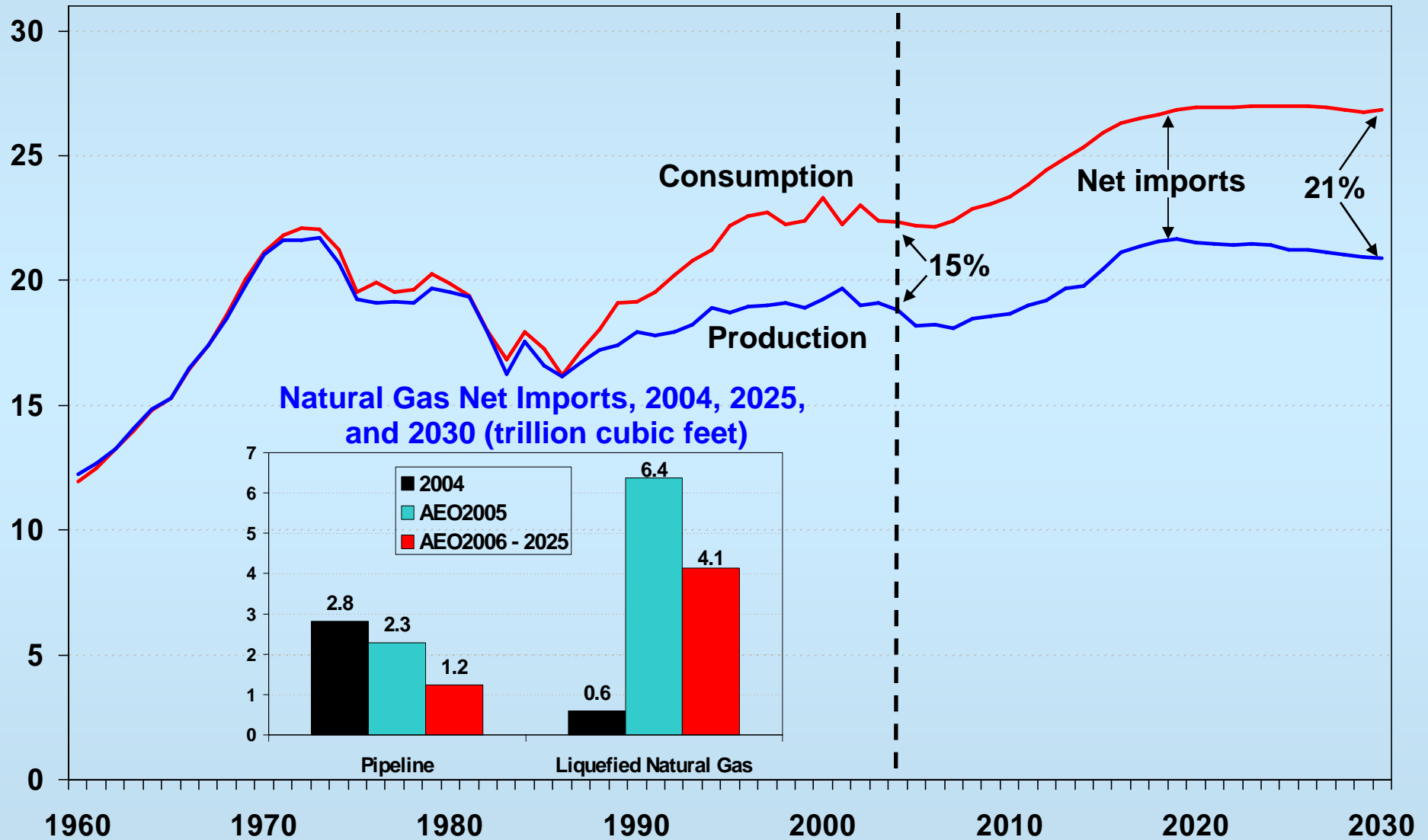
Petroleum Supply, Consumption, and Net Imports, 1960-2030 (million barrels per day)



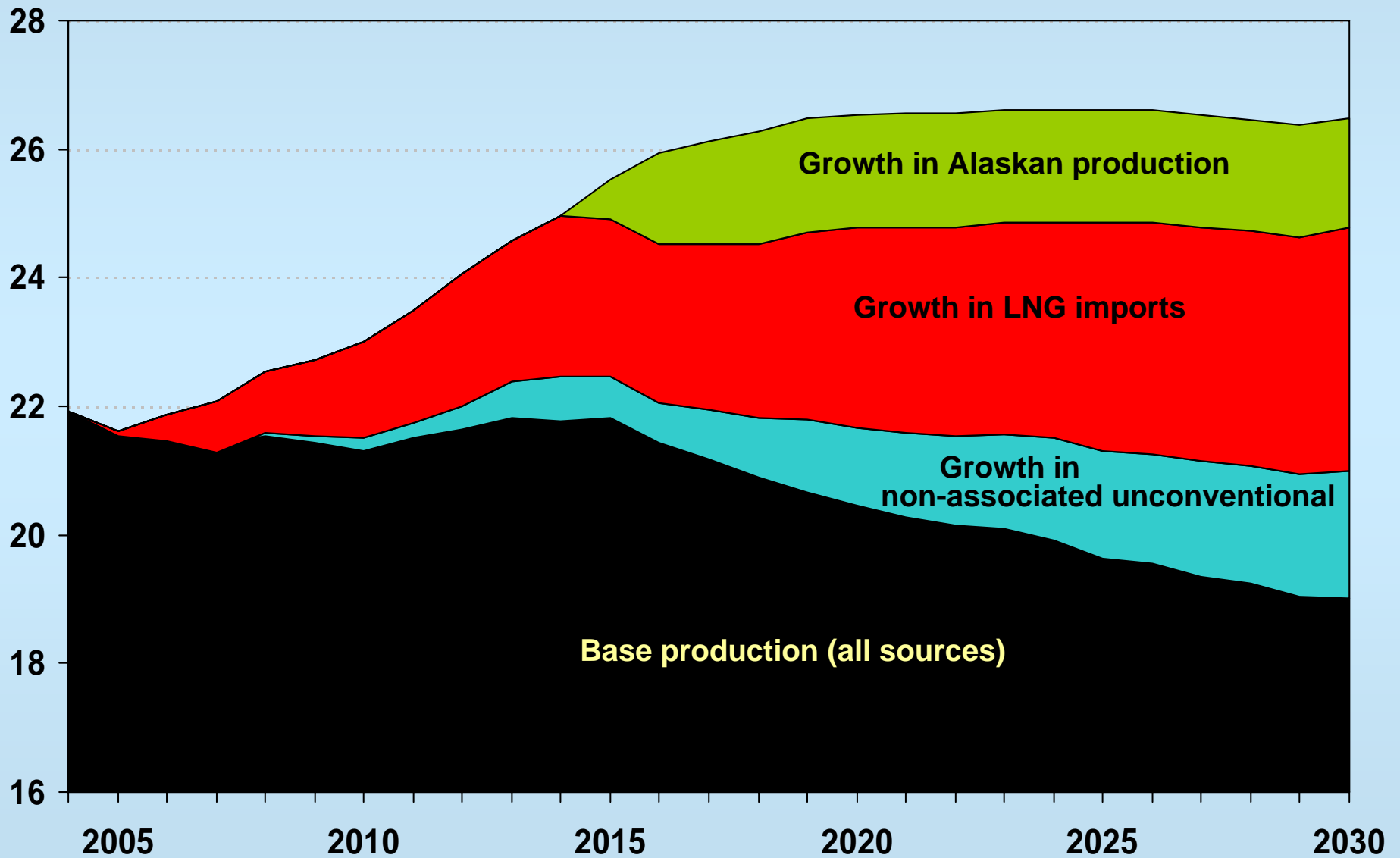
U.S. Natural Gas Consumption by Sector, 2004, 2010, and 2025 (trillion cubic feet)



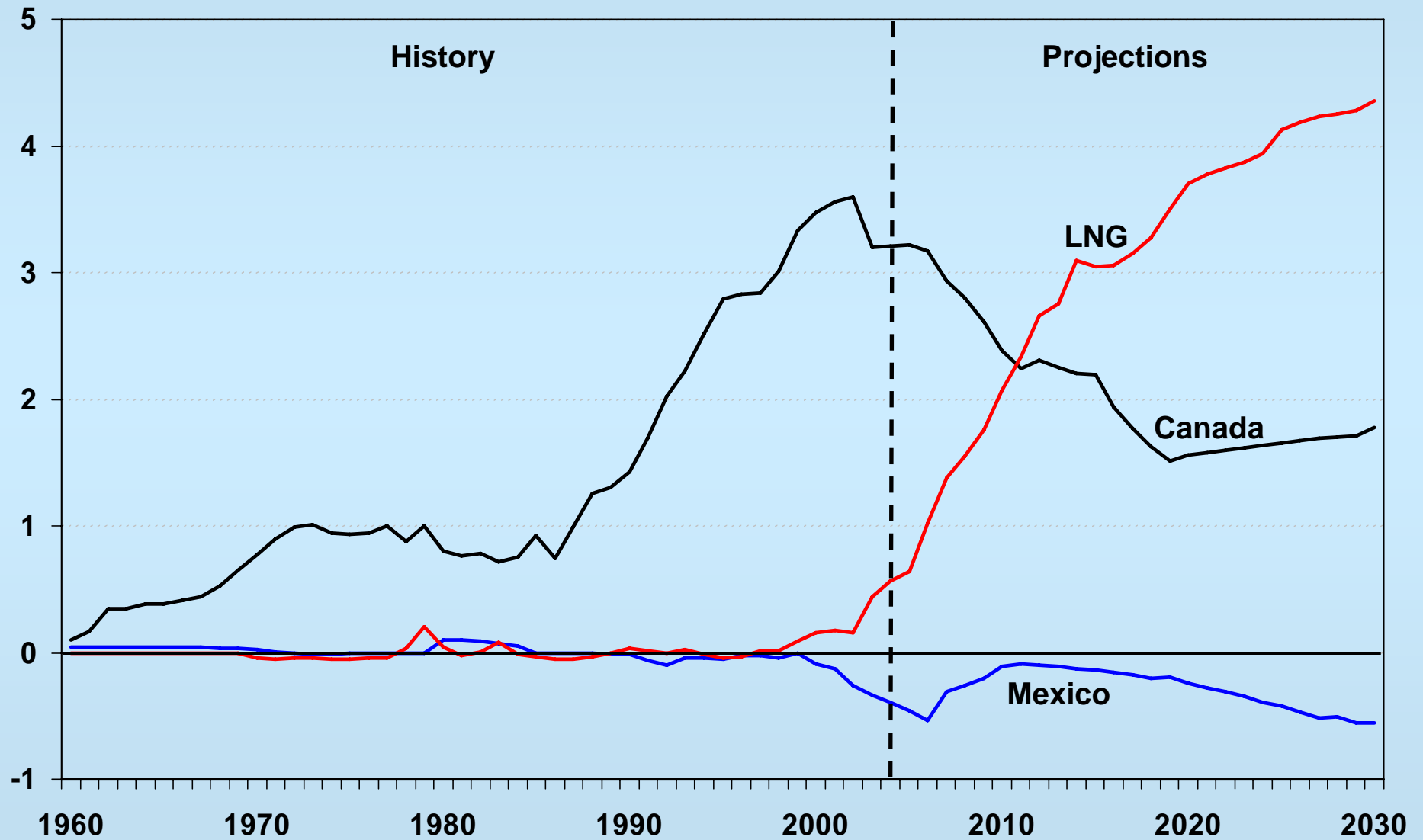
Natural Gas Production, Consumption, and Imports, 1960-2030 (trillion cubic feet)



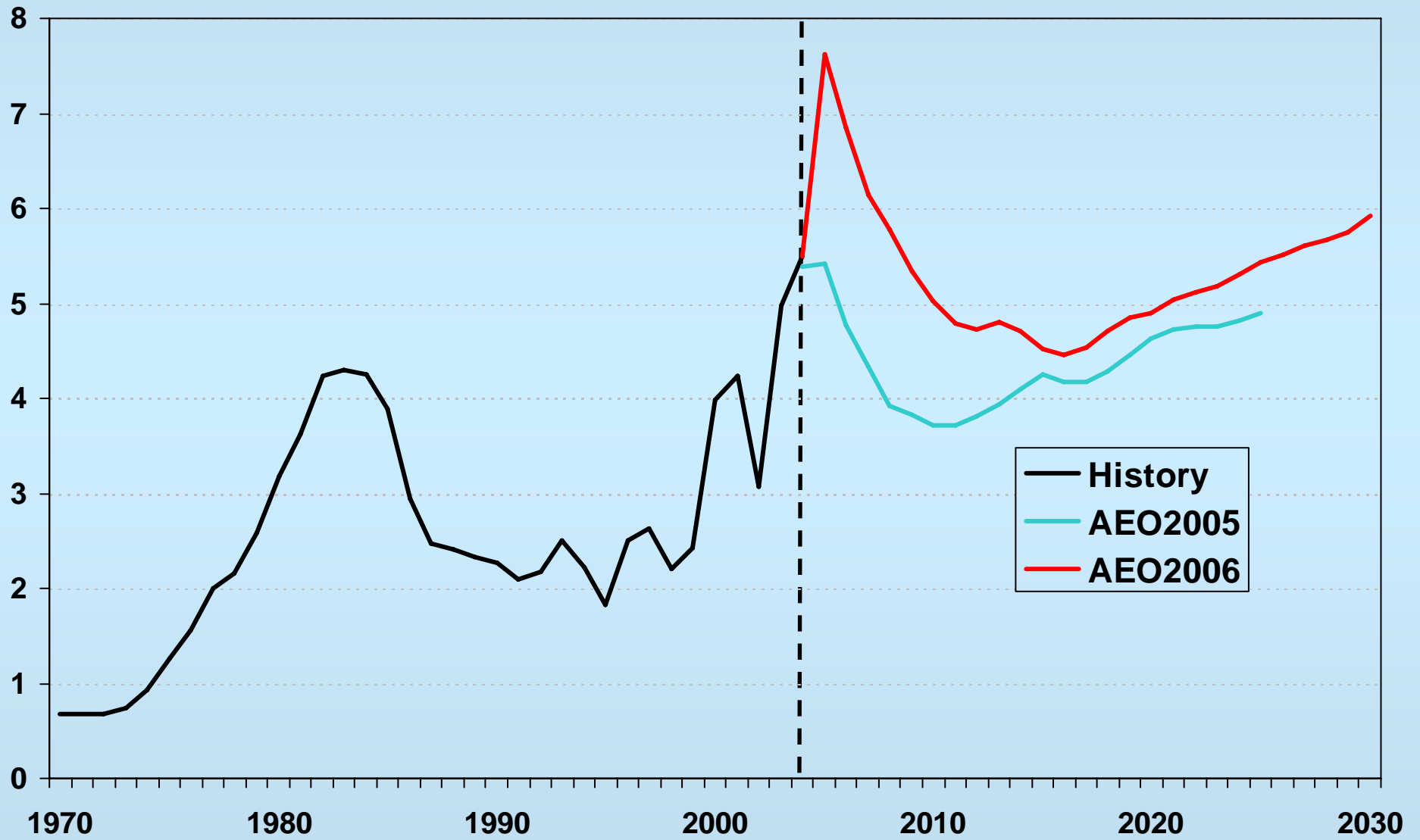
Major Sources of Incremental Natural Gas Supply, 2004-2030 (trillion cubic feet)



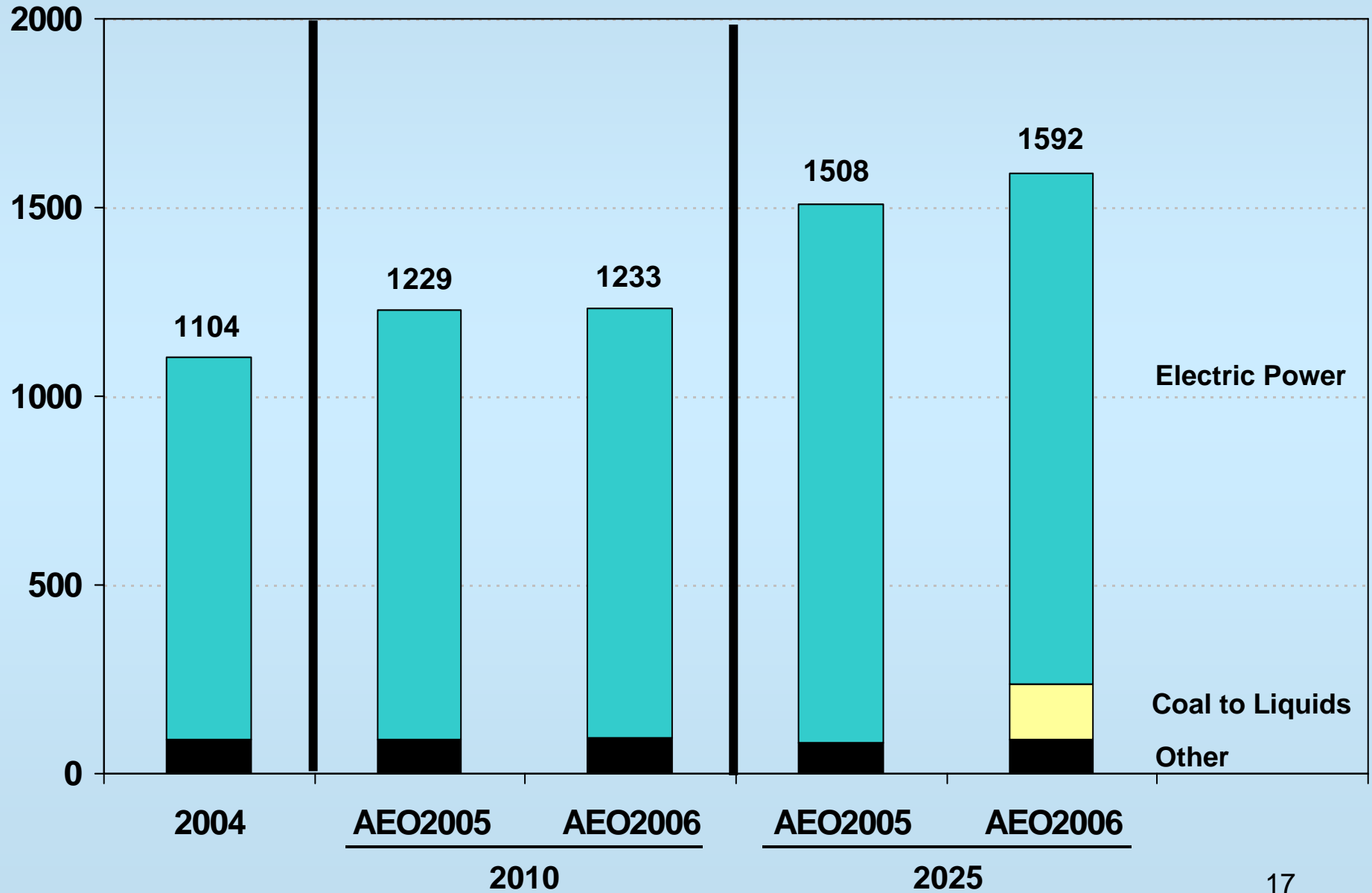
U.S. Net Imports of Natural Gas, 1960-2030 (trillion cubic feet)



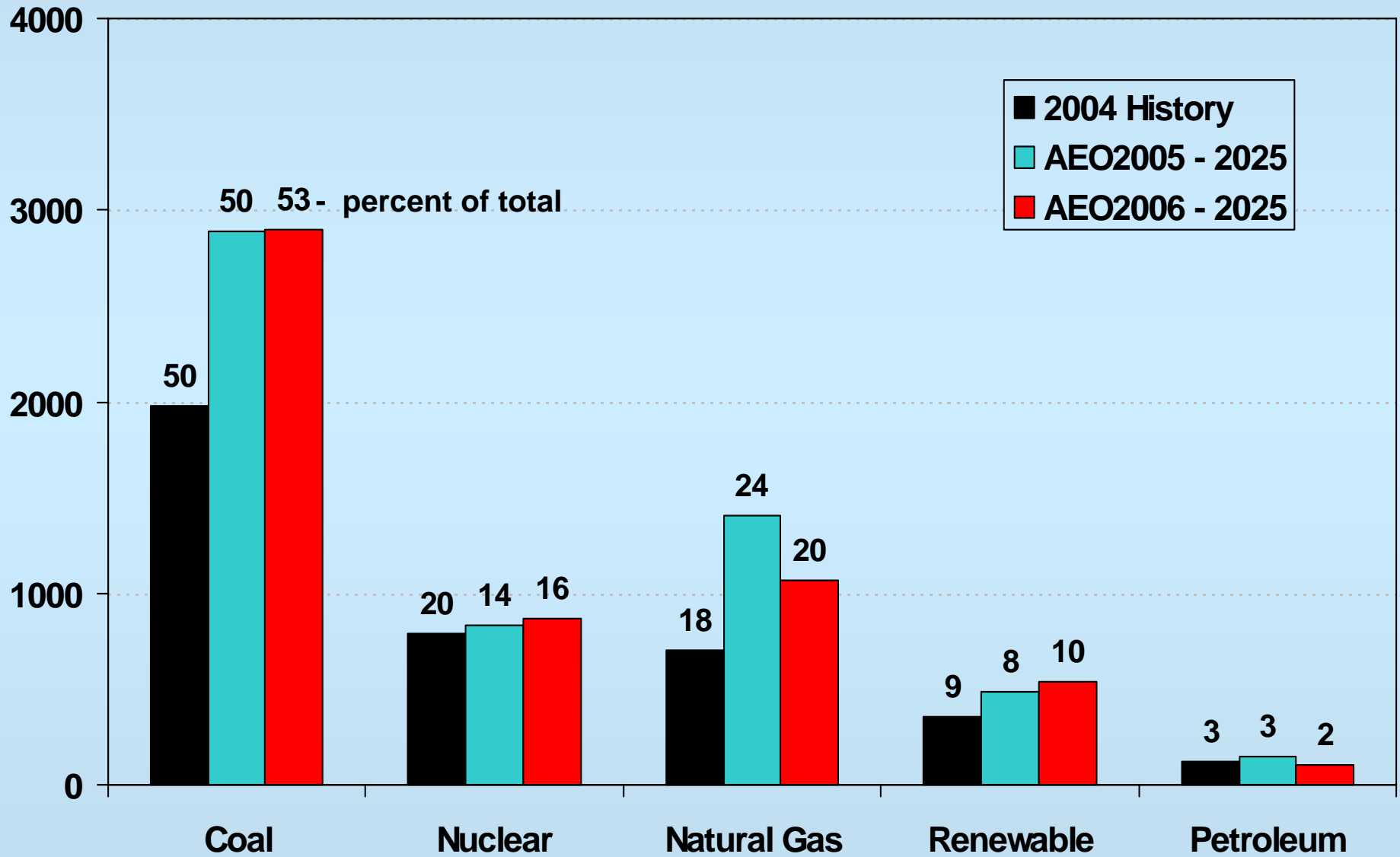
Natural Gas Wellhead Price, 1970-2030 (2004 dollars per thousand cubic feet)



Coal Consumption by Sector, 2004, 2010, and 2025 (million short tons)



Electricity Generation by Fuel, 2004 and 2025 (billion kilowatthours)



The Annual Energy Outlook 2006 reference case indicates that over the next two decades....

- **U.S. energy demand is projected to grow at an average annual rate of 1.1 percent**
- **The energy efficiency of the economy is projected to increase at an average annual rate of 1.8 percent**
- **U.S. oil import reliance is projected to grow from 58 percent to 62 percent**
- **U.S. natural gas use is projected to peak around 2025**
- **Future growth in U.S. natural gas supplies depends on unconventional domestic production, natural gas from Alaska, and liquefied natural gas imports.**
- **Carbon dioxide emissions from energy use are projected to grow at an average annual rate of 1.2 percent**



END

Annual Energy Outlook Web Page

<http://www.eia.doe.gov/oiaf/aeo/index.html>

EIA's Forecasting Web Page

<http://www.eia.doe.gov/oiaf/forecasting.html>

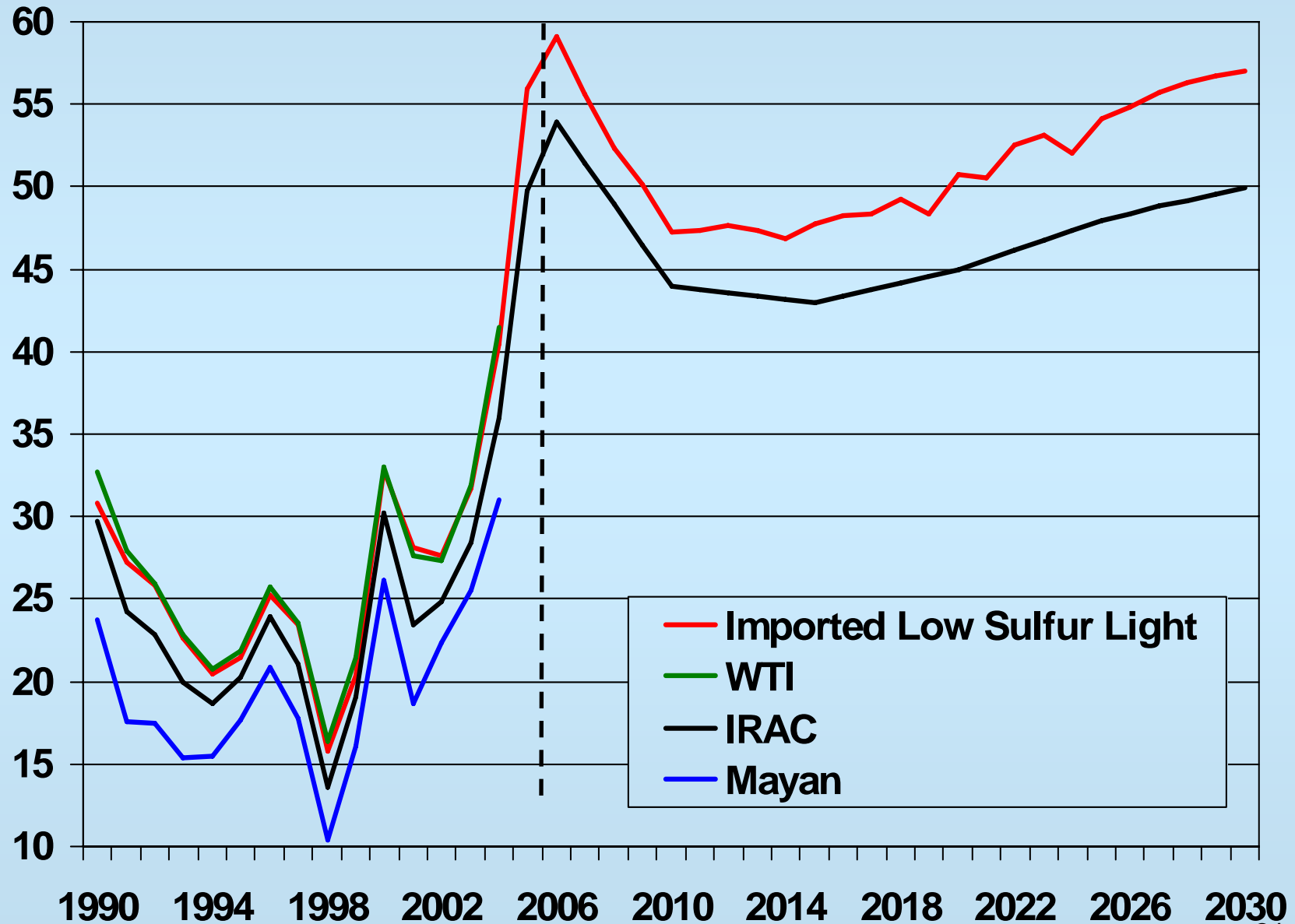
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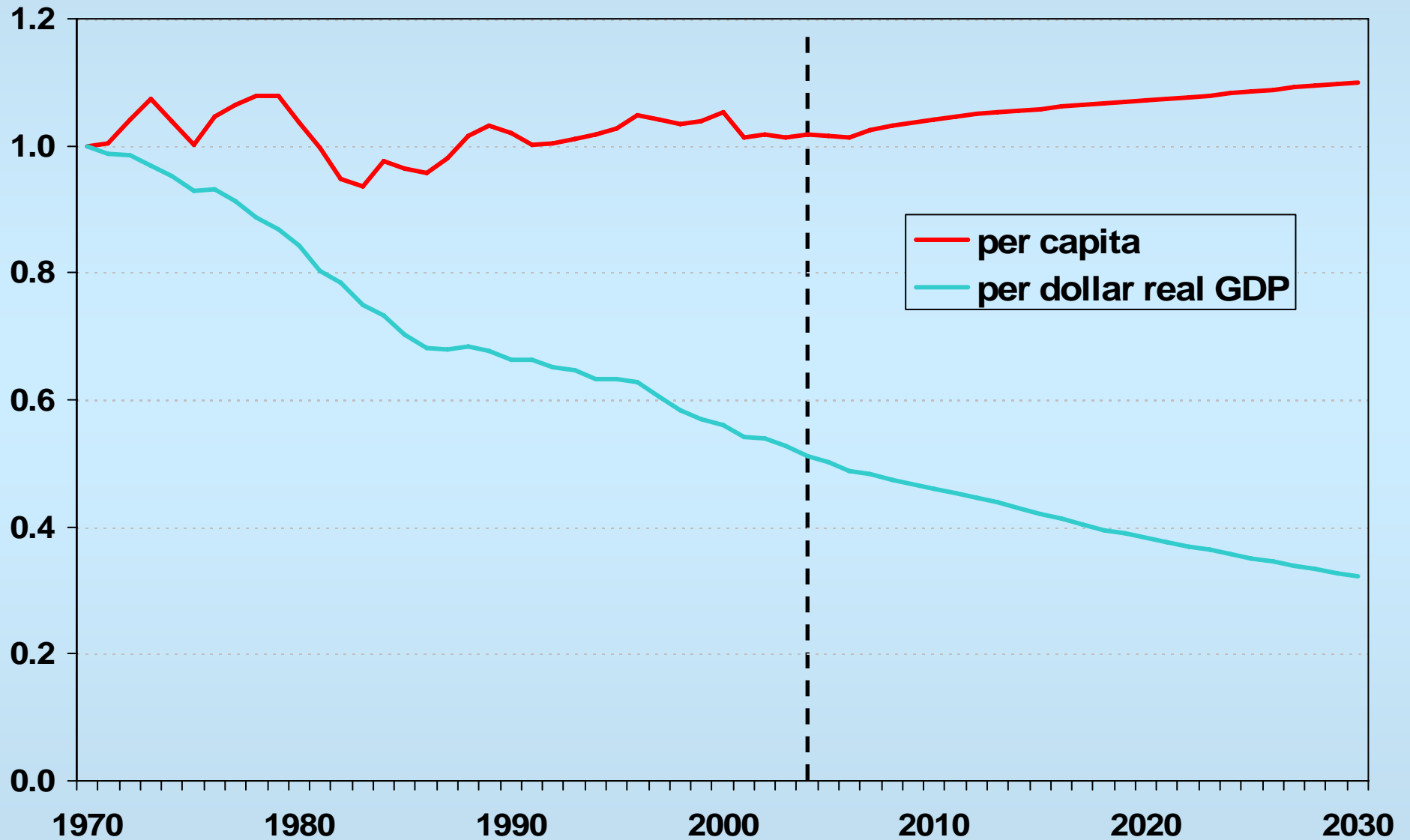
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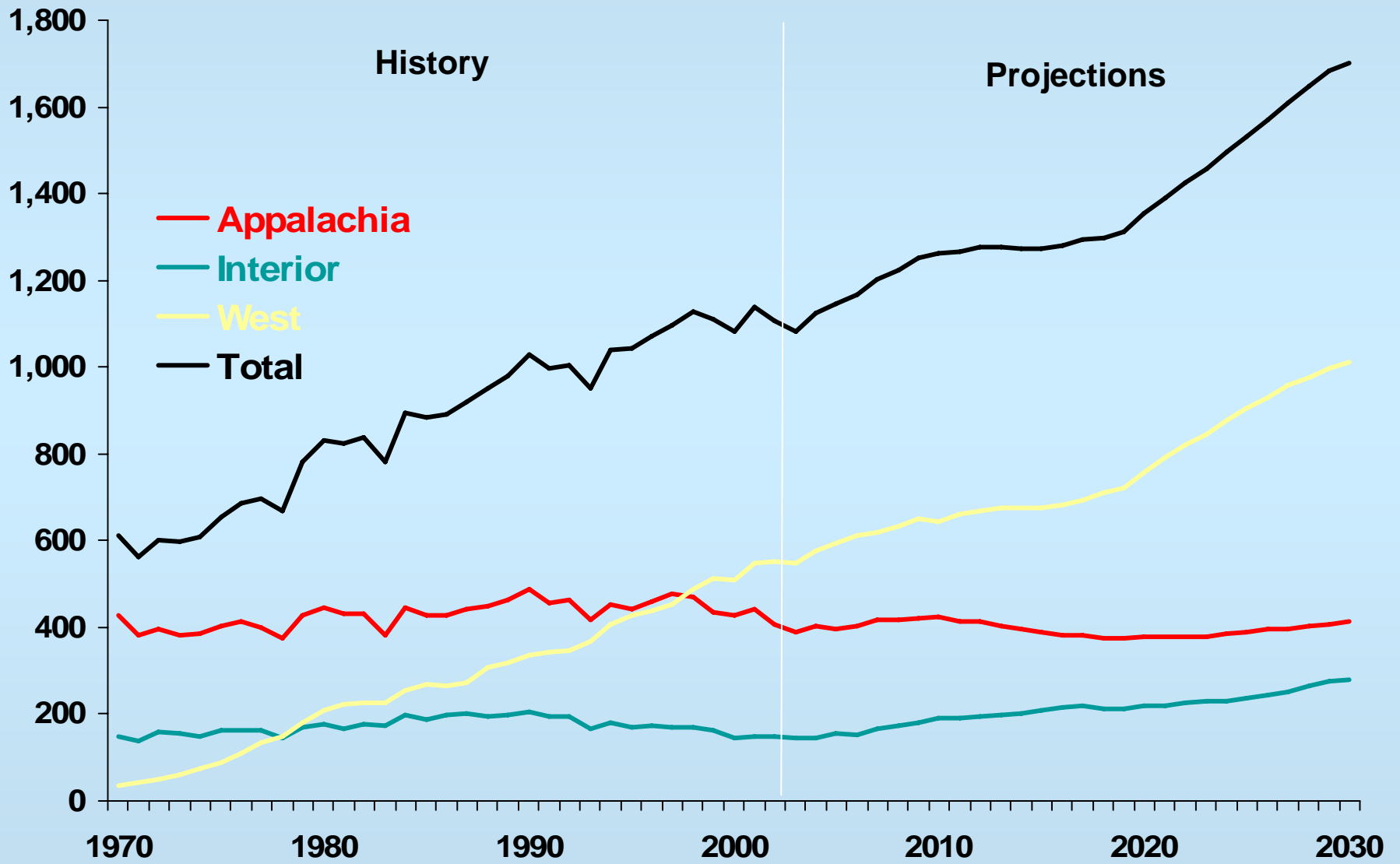
World Oil Price by Type, 1990-2030 (2004 dollars per barrel)



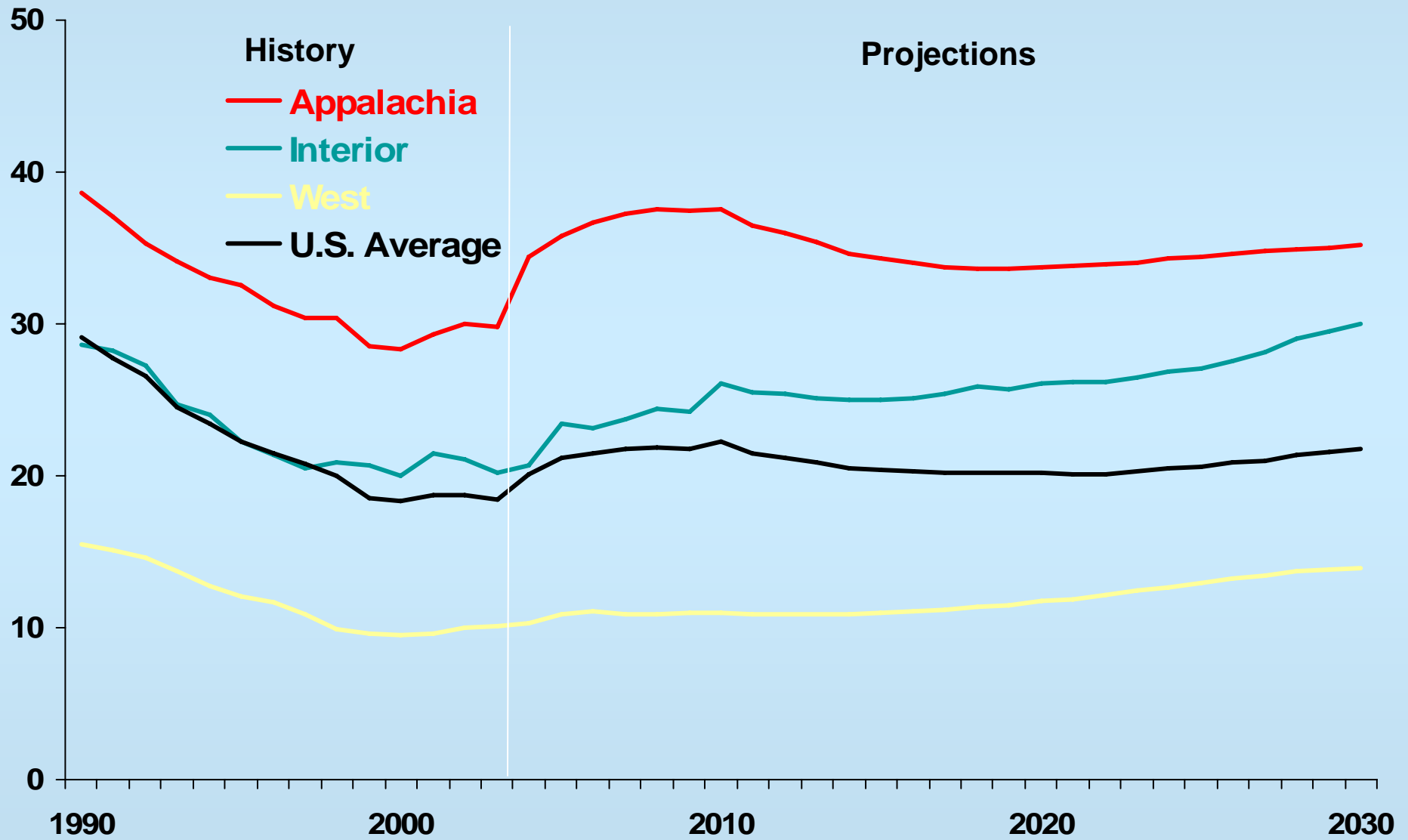
Energy Use per Capita and per Dollar of Real Gross Domestic Product, 1970-2030 (index, 1970 = 1)



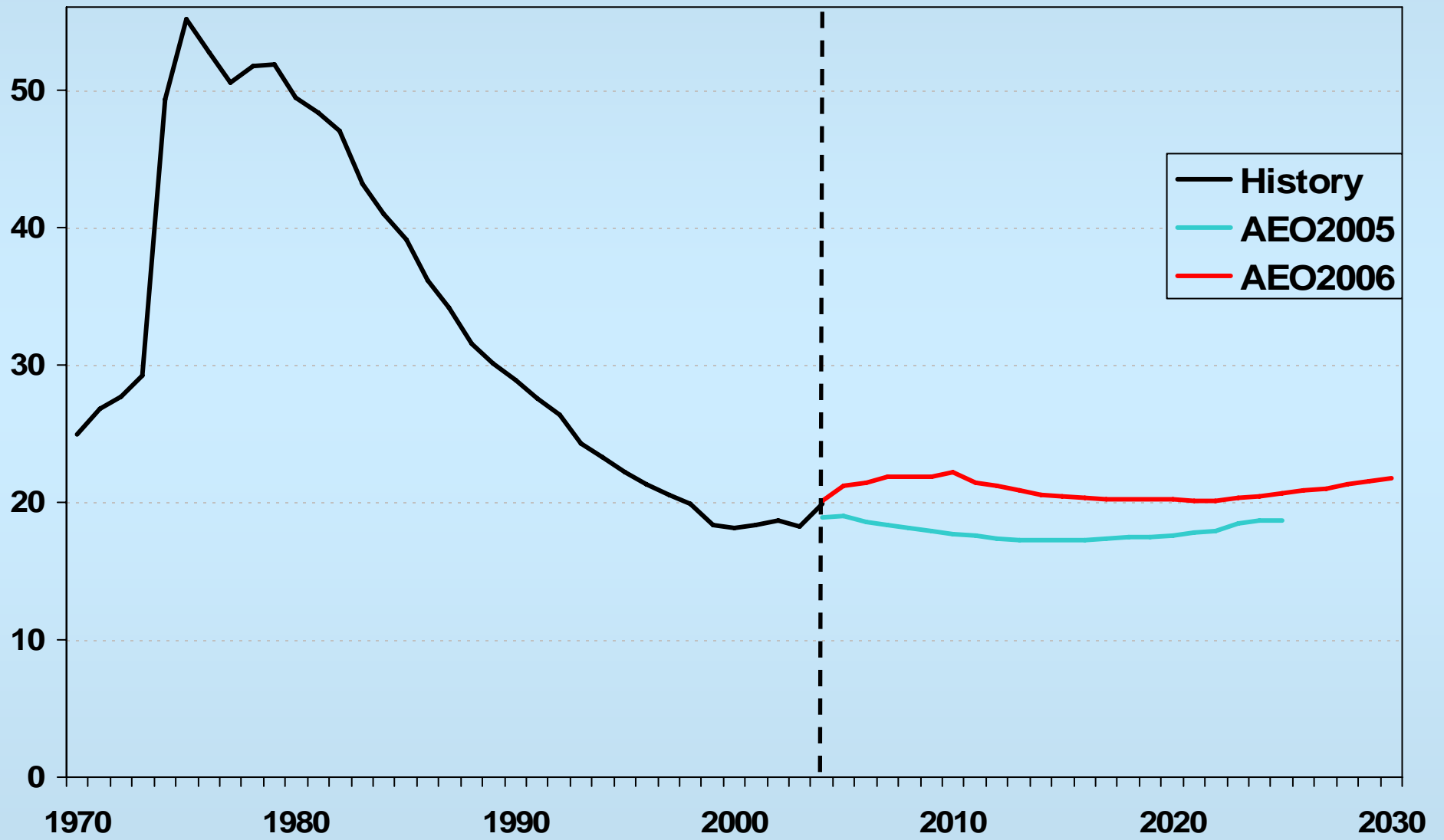
U.S. Coal Production by Region, 1970-2030 (million short tons)



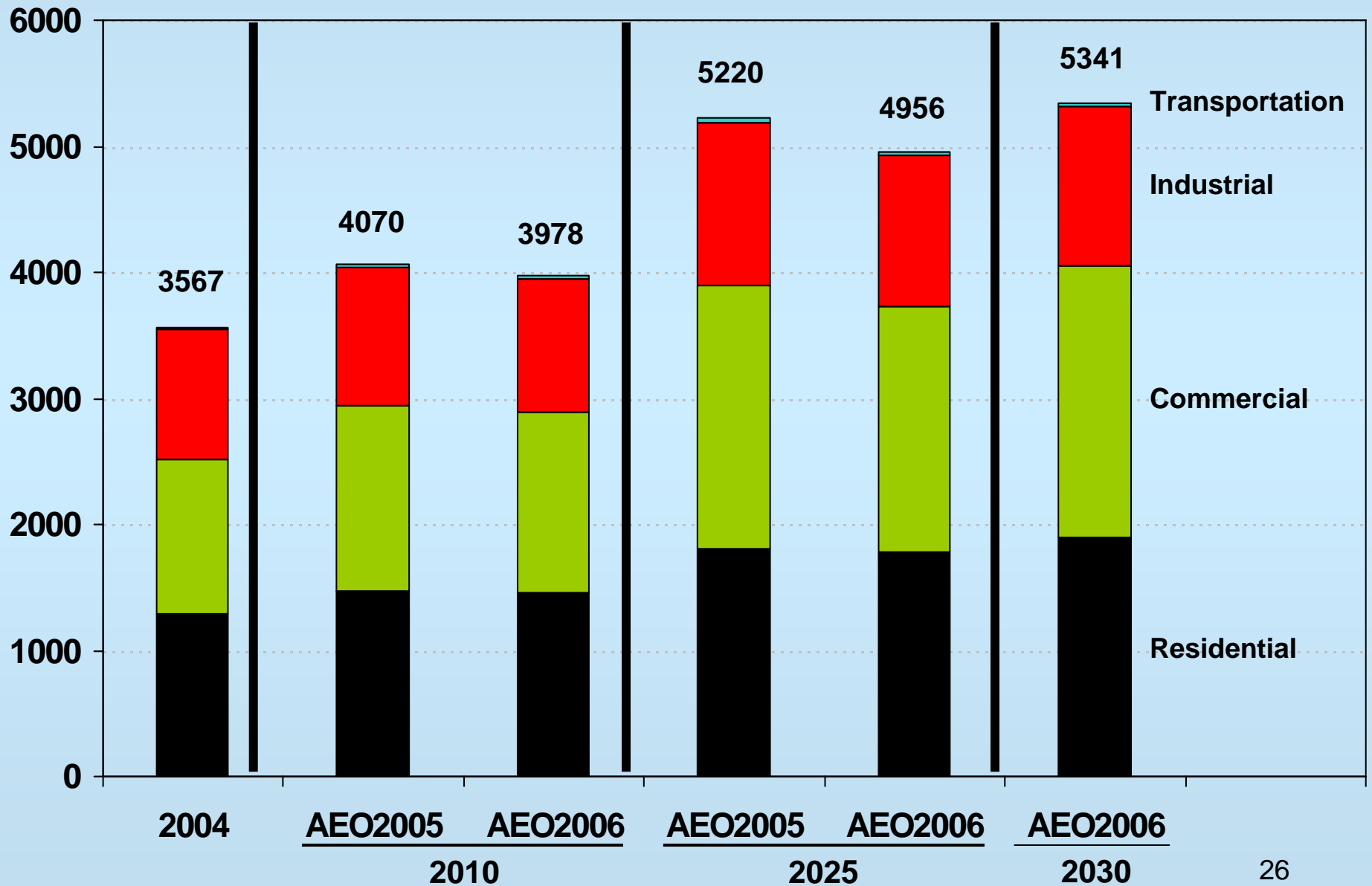
U.S. Minemouth Coal Price by Region, 1990-2030 (2004 dollars per short ton)



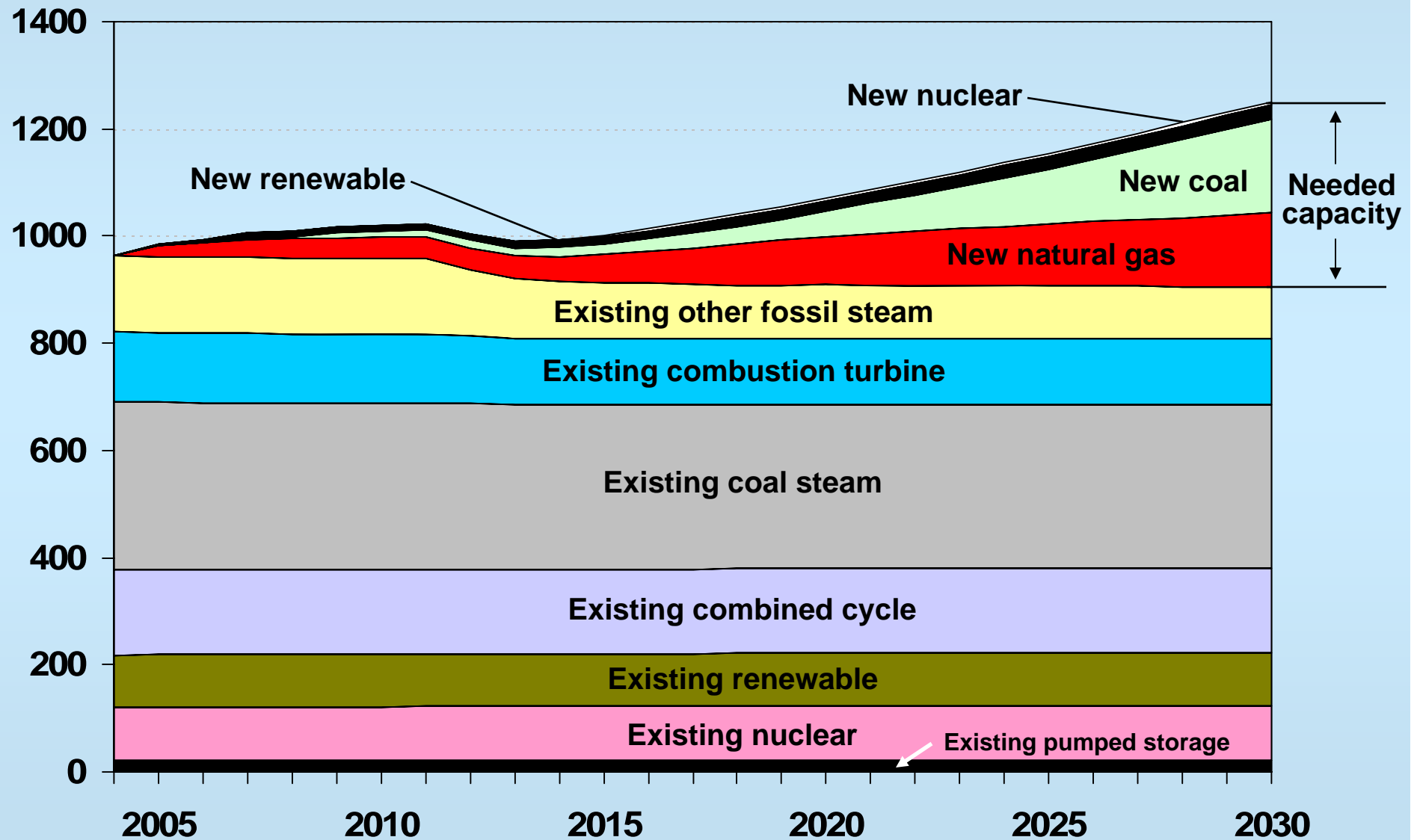
Coal Minemouth Price, 1970-2030 (2004 dollars per ton)



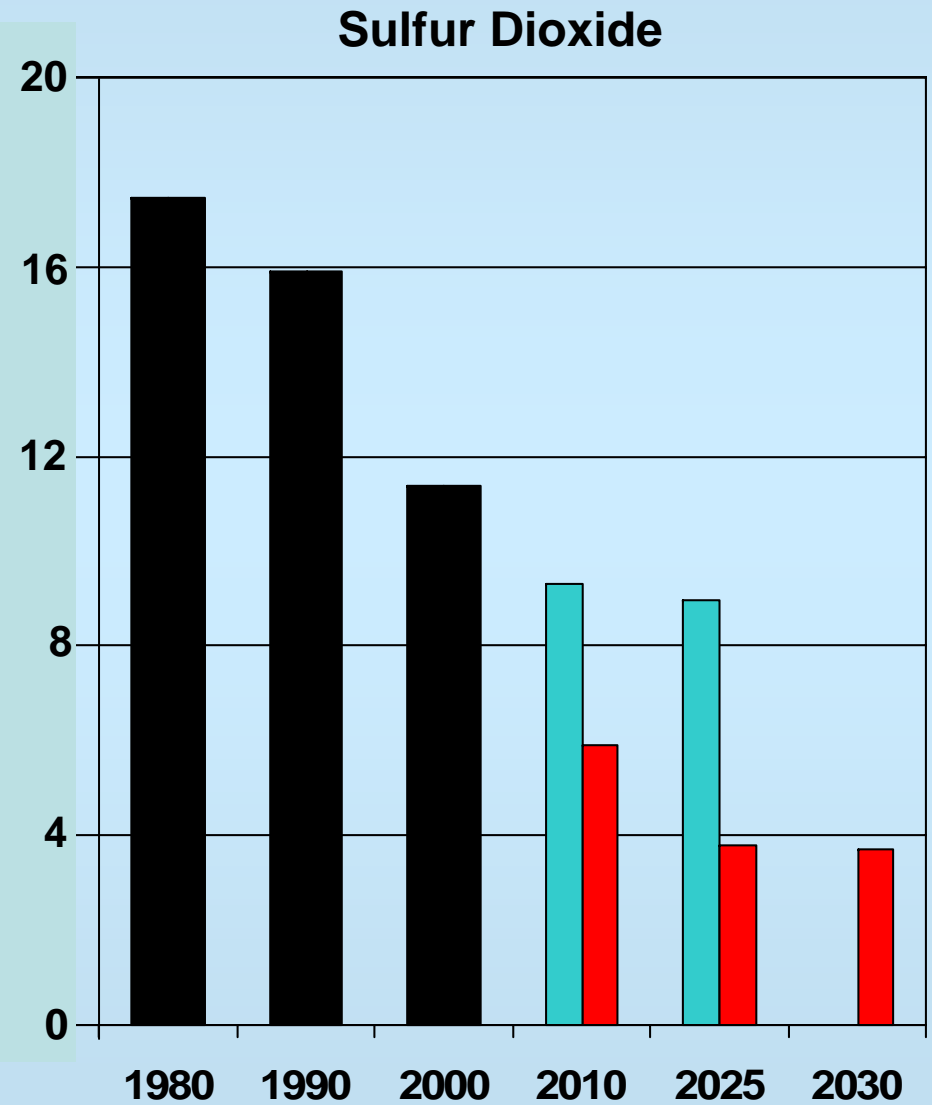
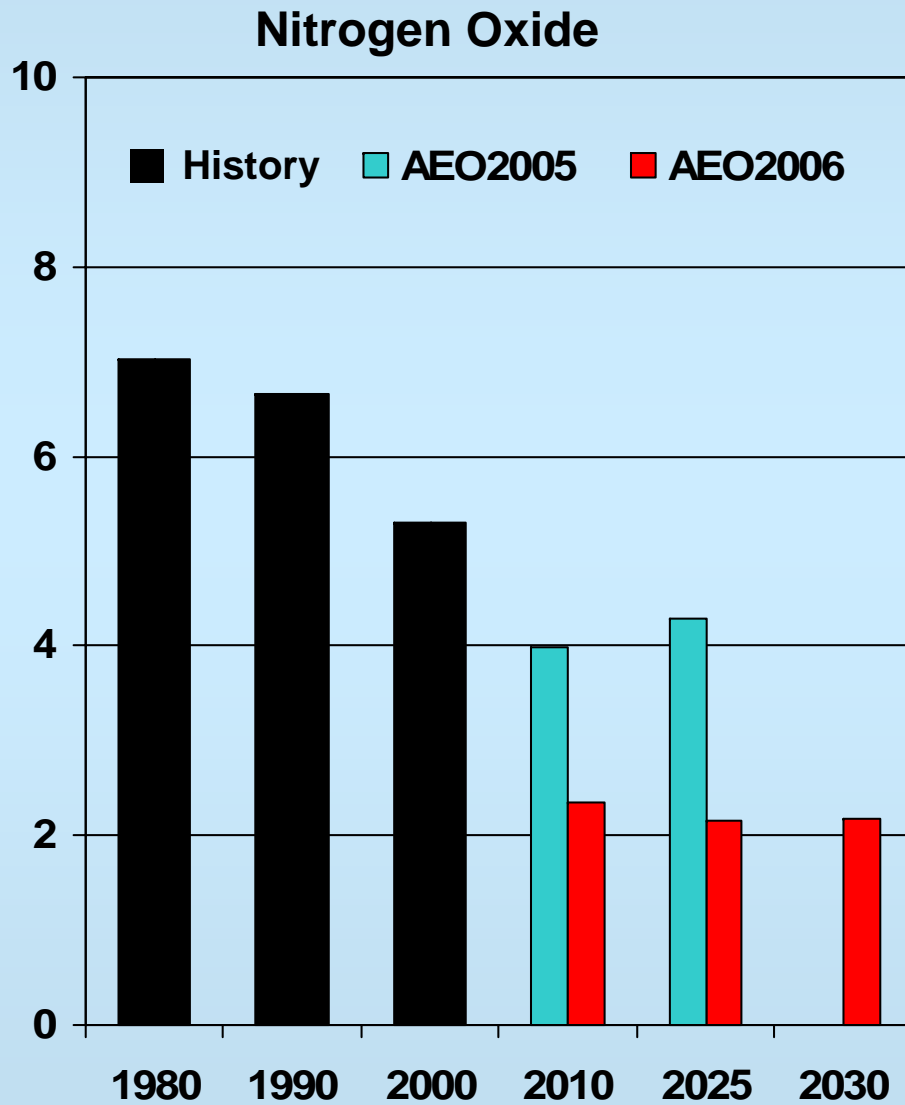
Electricity Sales by Sector, 2004, 2010, 2025, and 2030 (billion kilowatthours)



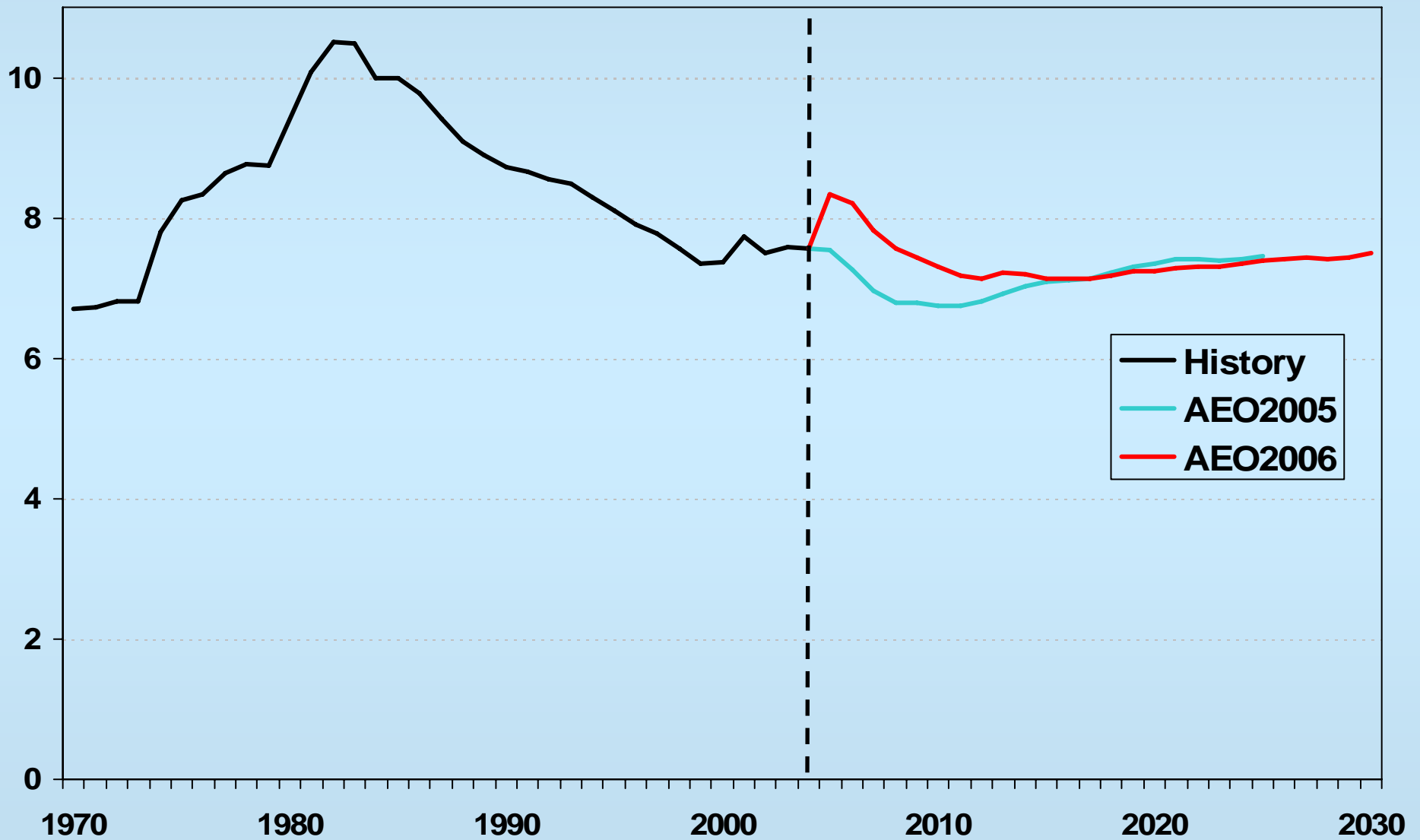
Electricity Generating Capacity including Combined Heat and Power, 2004-2030 (gigawatts)



Emissions in the Electric Power Sector, 2010, 2025, and 2030 (million tons)



Electricity Price, 1970-2030 (2004 cents per kilowatthour)



Total Energy Related Carbon Dioxide Emissions, 1980-2030 (million metric tons)

