

Long-Term Energy Market Trends from the Annual Energy Outlook 2007

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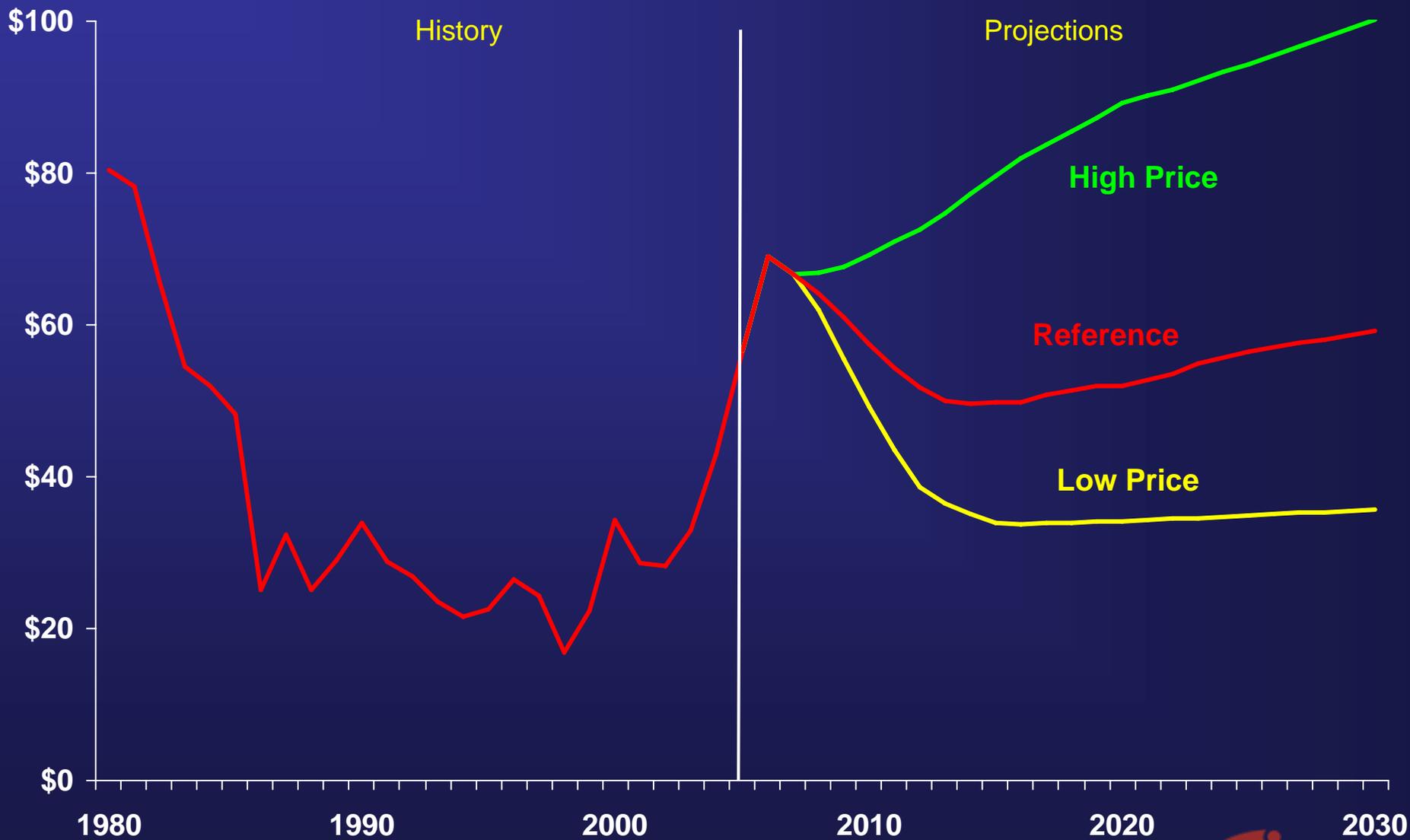
Briefing to the International Energy Agency

June 18, 2007

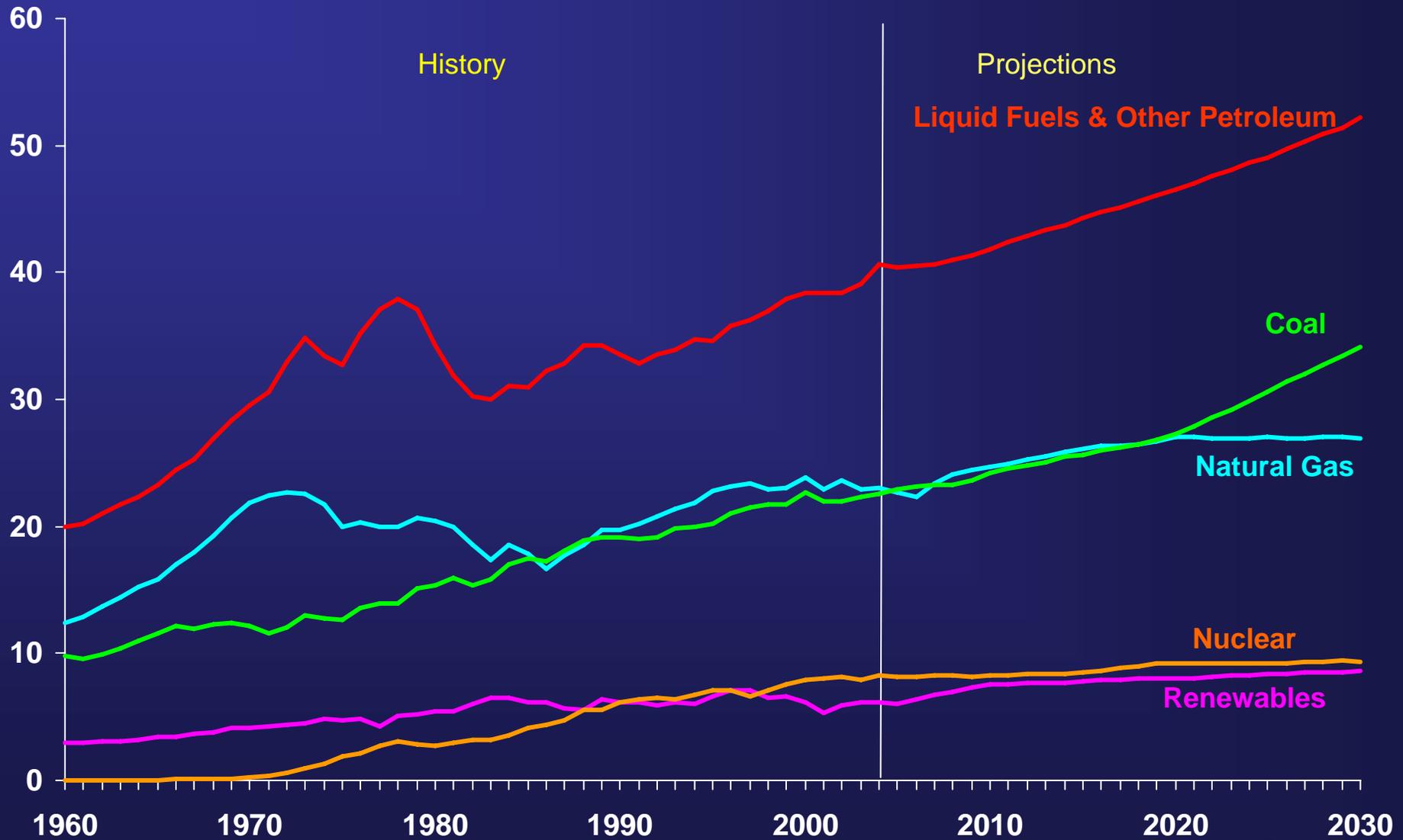
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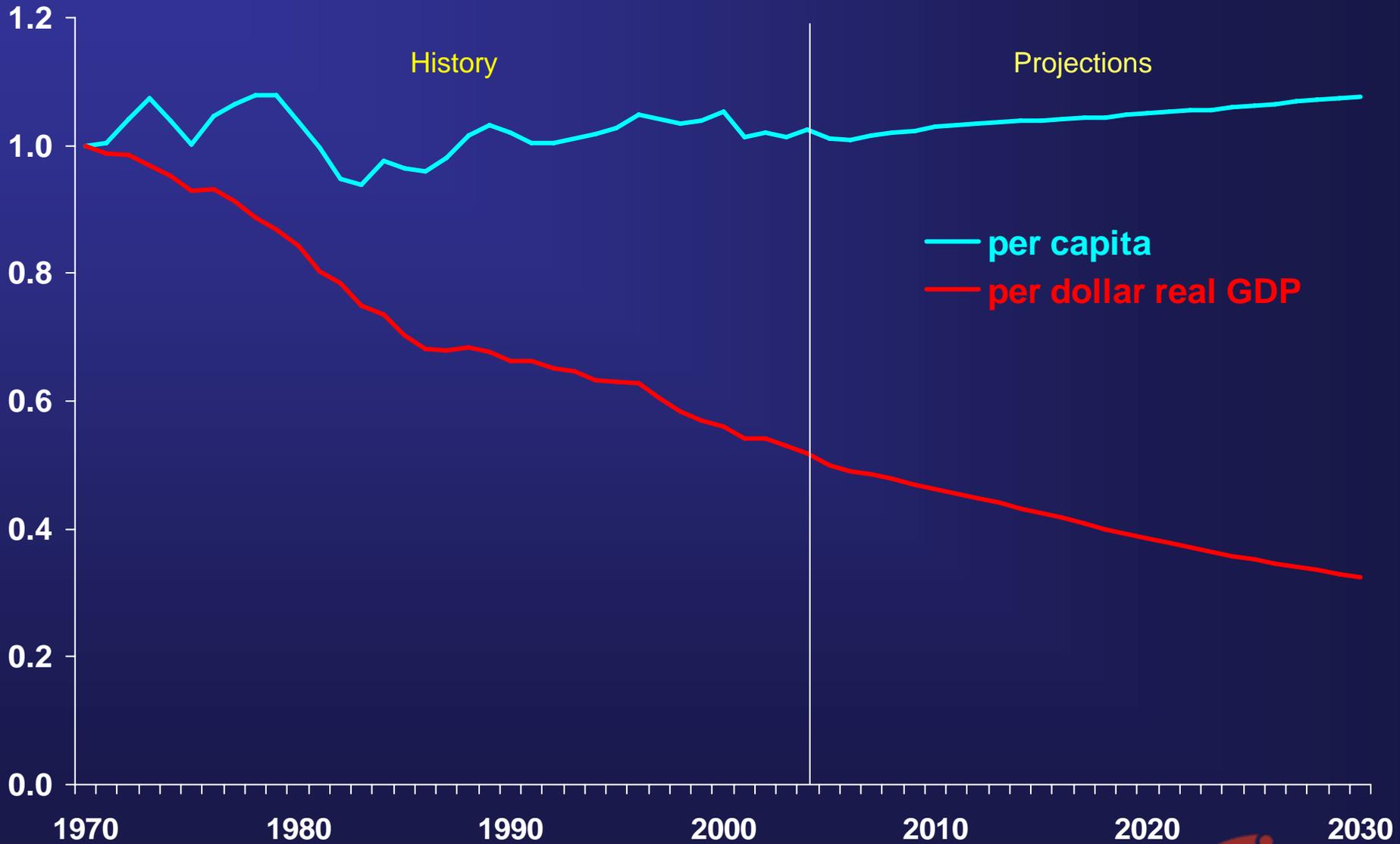
World Oil Price, 1980-2030 (2005 dollars per barrel)



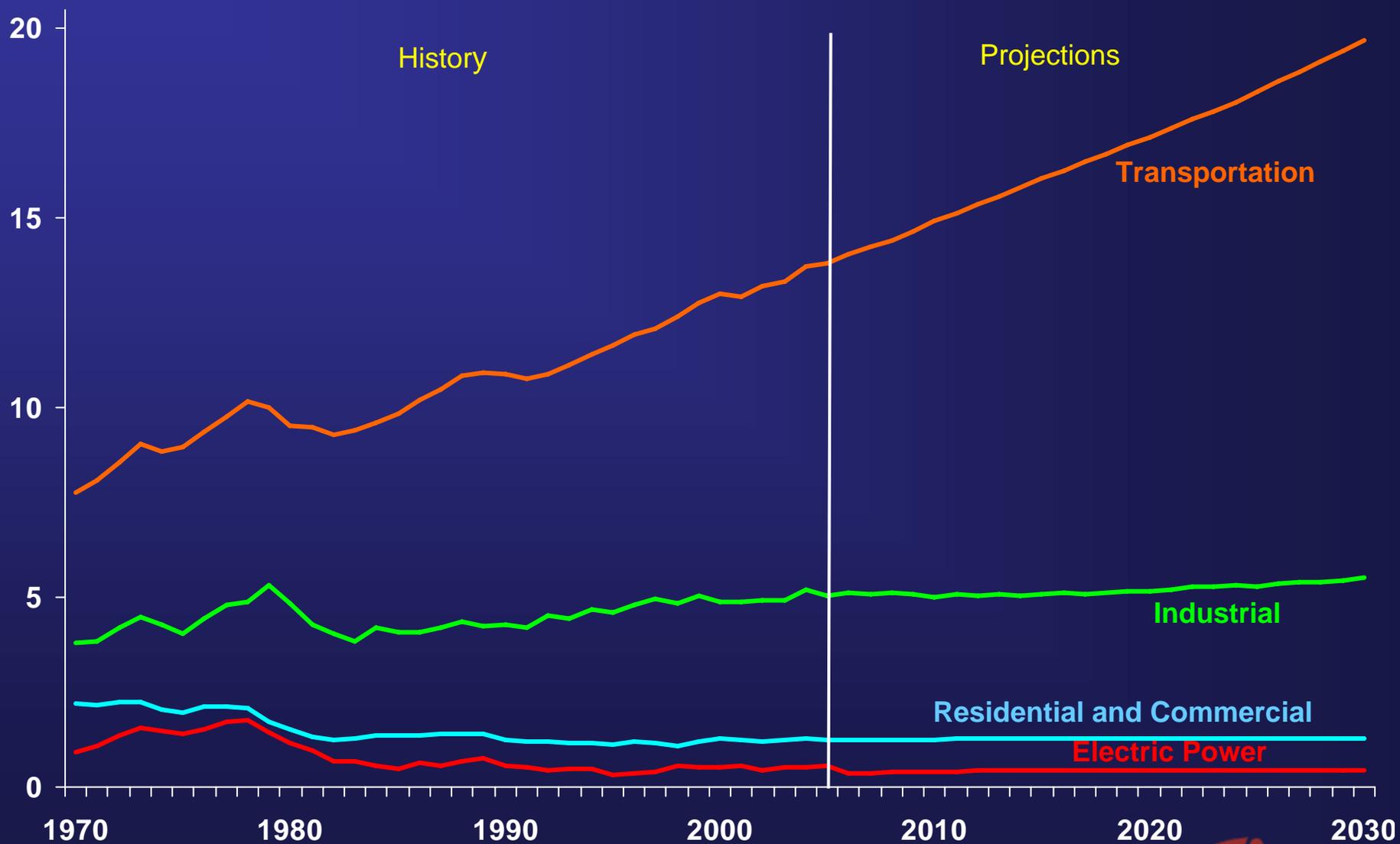
U.S. Primary Energy Consumption by Fuel, 1960-2030 (quadrillion Btu)



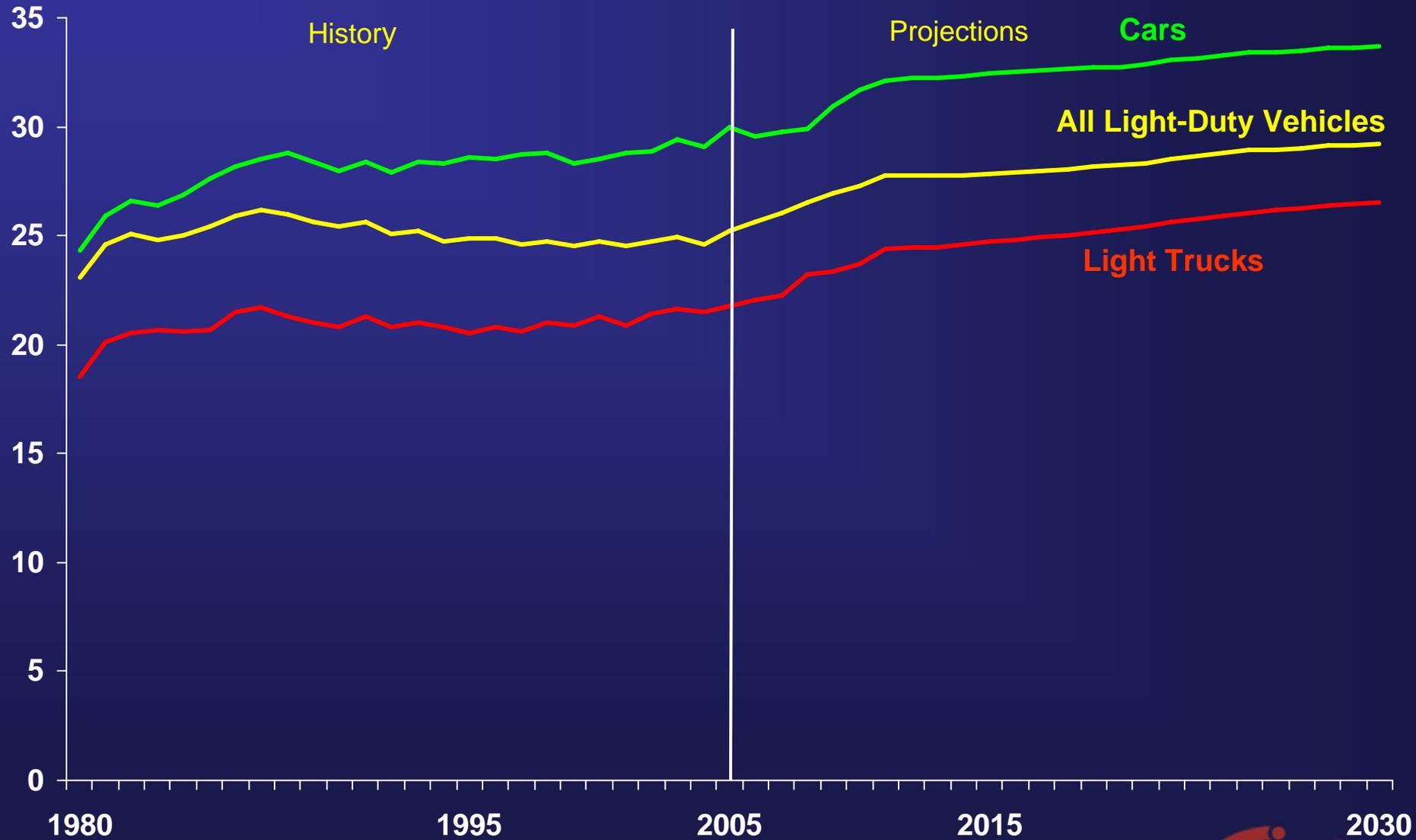
U.S. Energy Use per Capita and per Dollar of Real Gross Domestic Product, 1970-2030 (index, 1970 = 1)



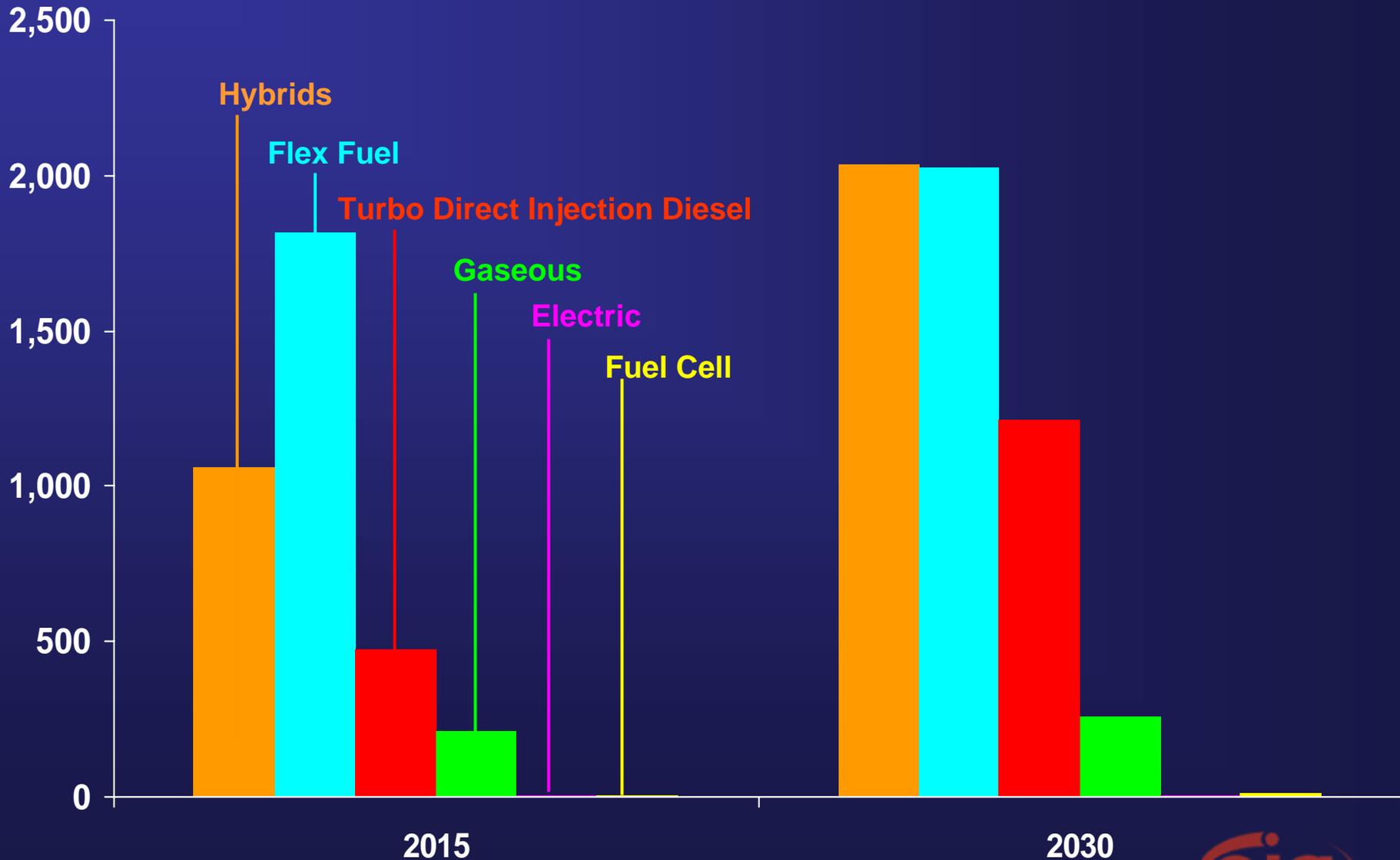
Consumption of Liquids and Other Petroleum Products by Sector, 1970-2030 (million barrels per day)



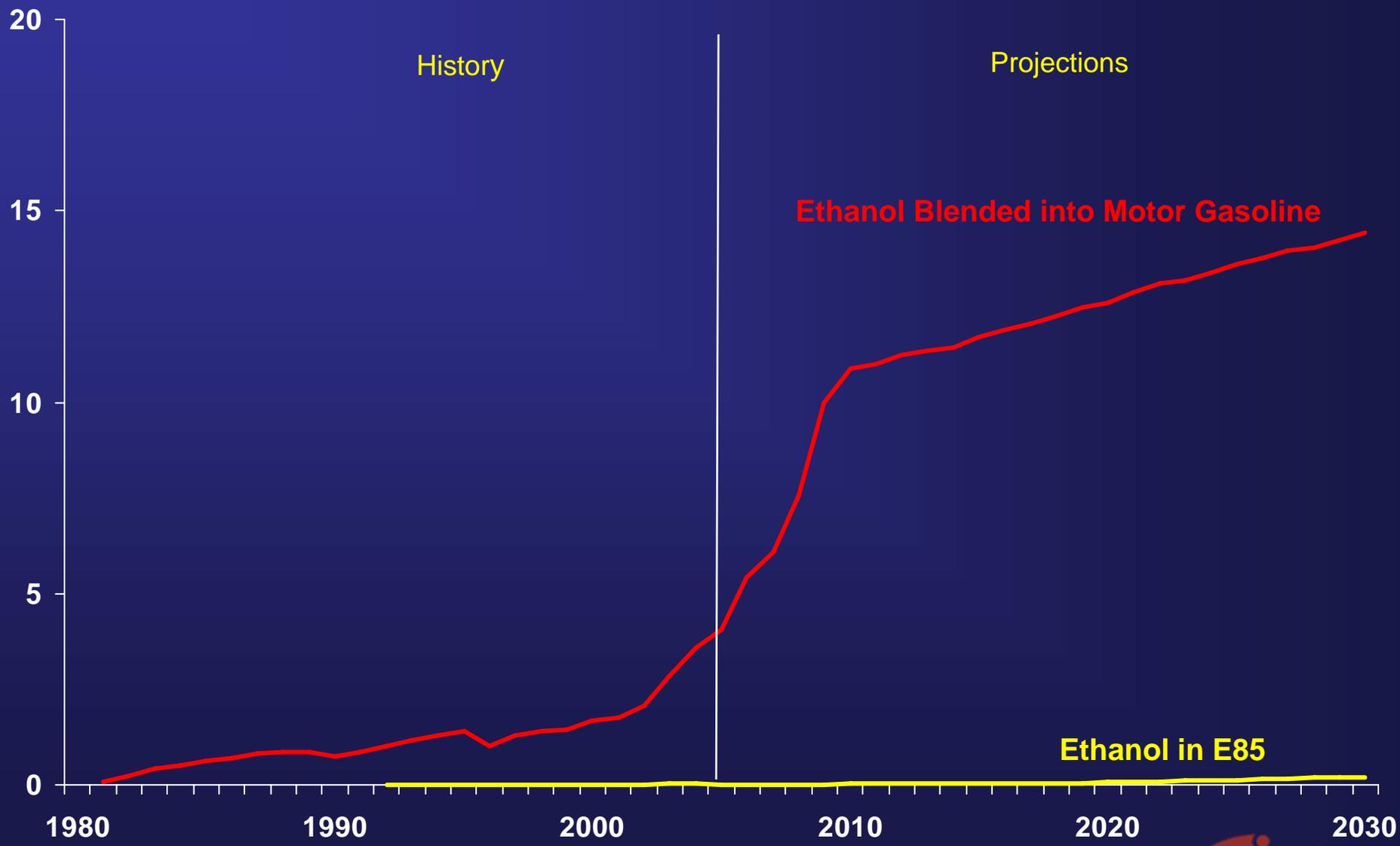
Average Fuel Economy of U.S. New Light-Duty Vehicles, 1980-2030 (miles per gallon)



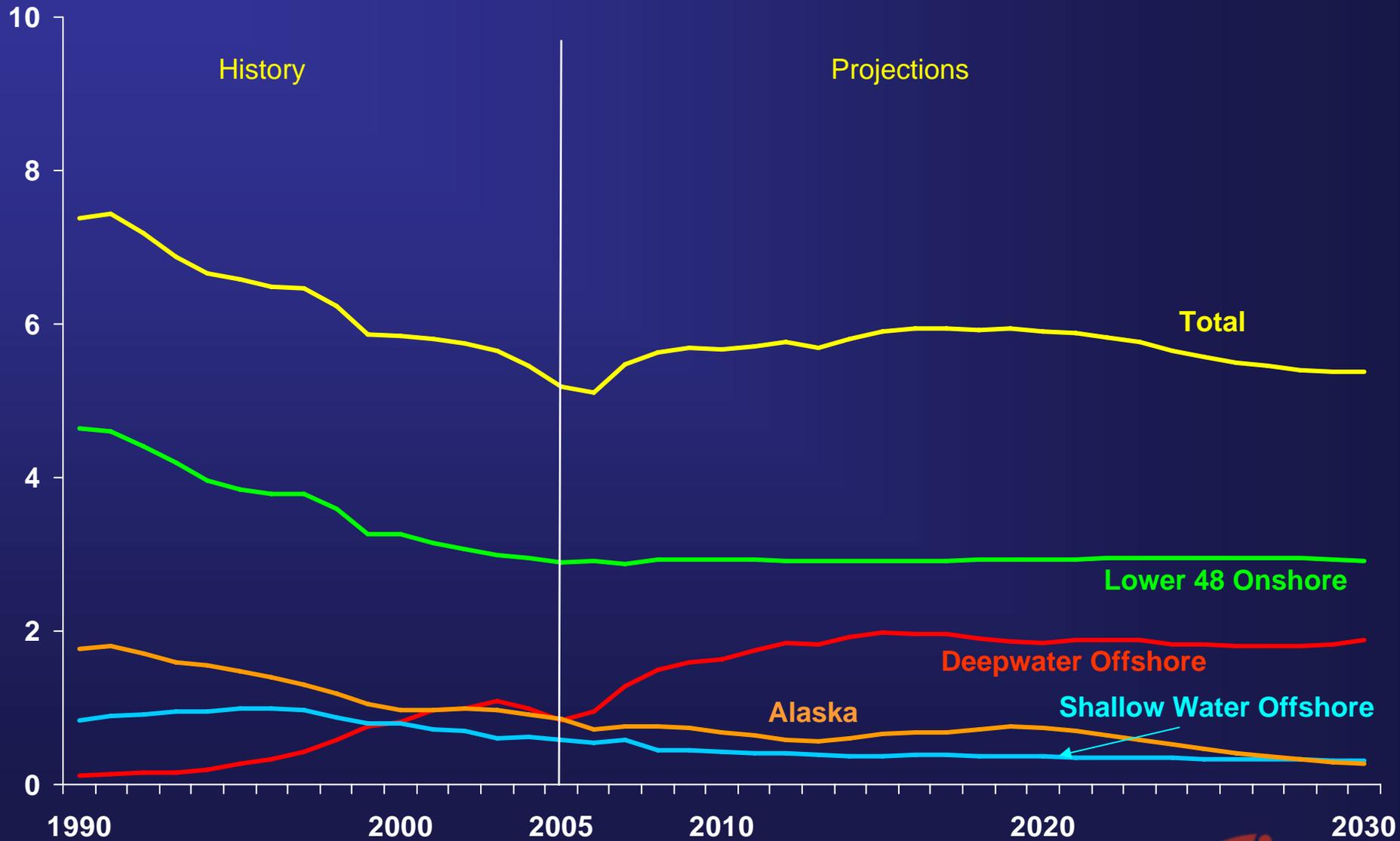
U.S. Sales of Unconventional Light-Duty Vehicles, 2015 and 2030 (thousand vehicles sold)



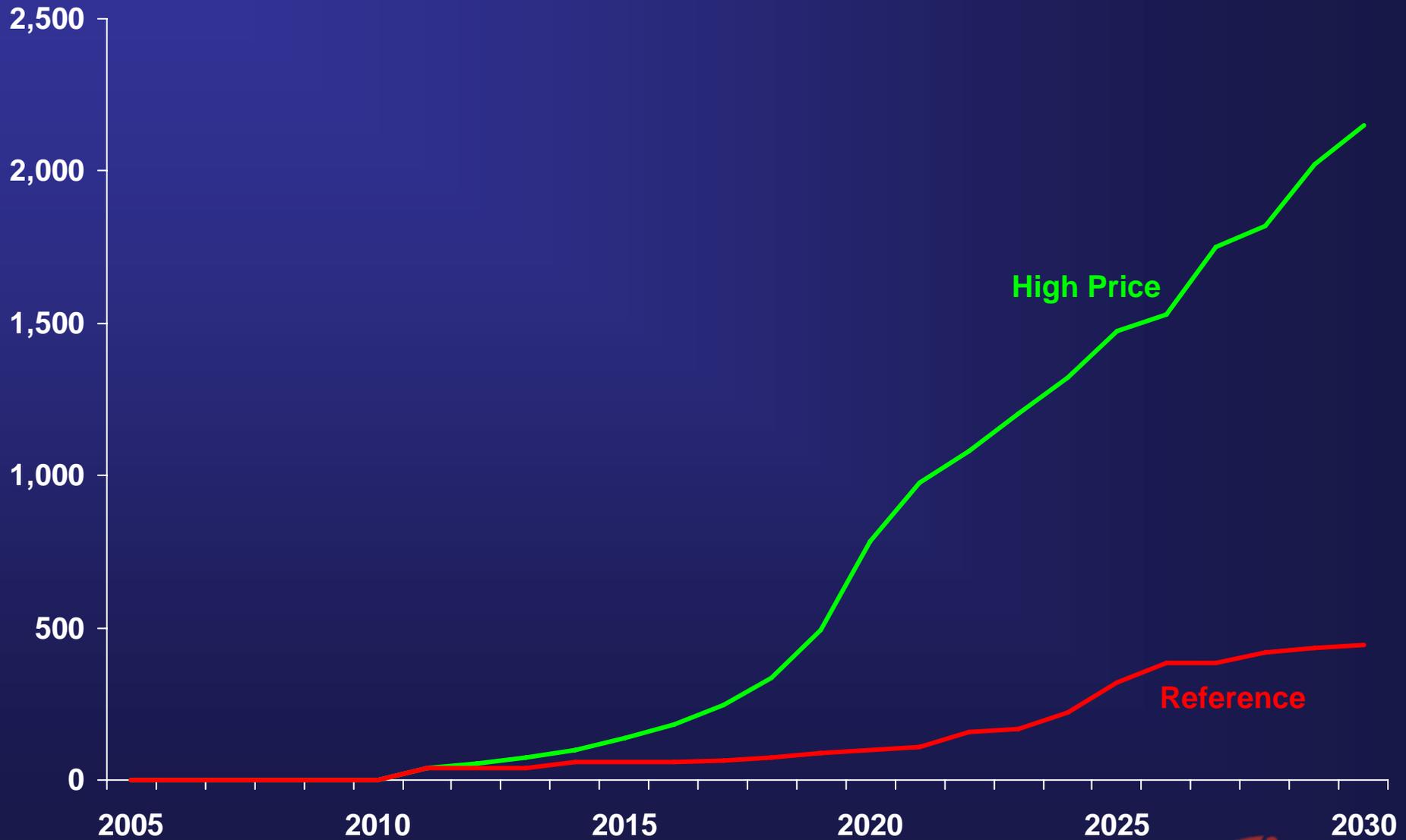
Ethanol Consumption as E85 and Blended with Motor Gasoline, 1981-2030 (billion gallons)



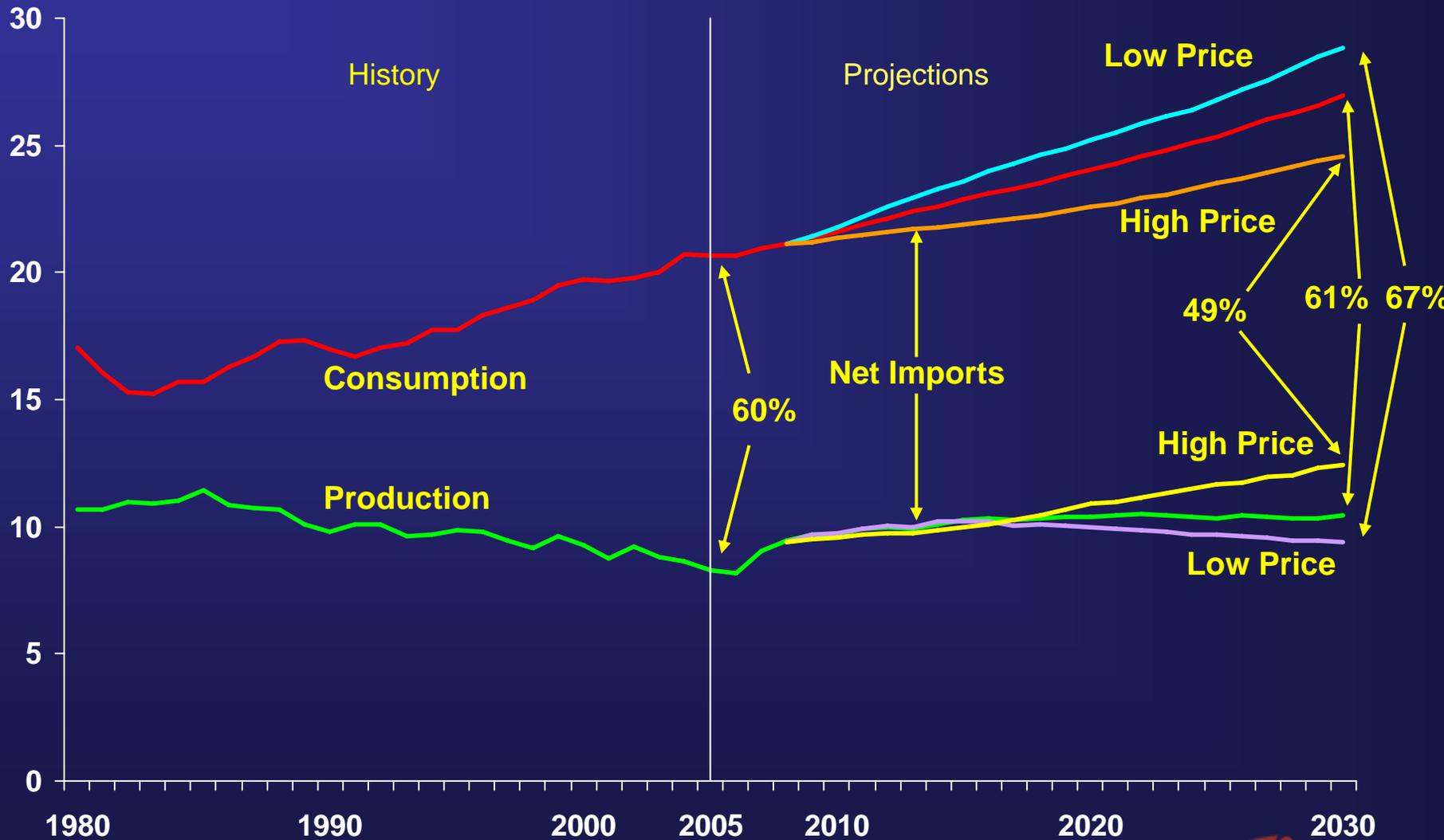
U.S. Crude Oil Production by Source, 1990-2030 (million barrels per day)



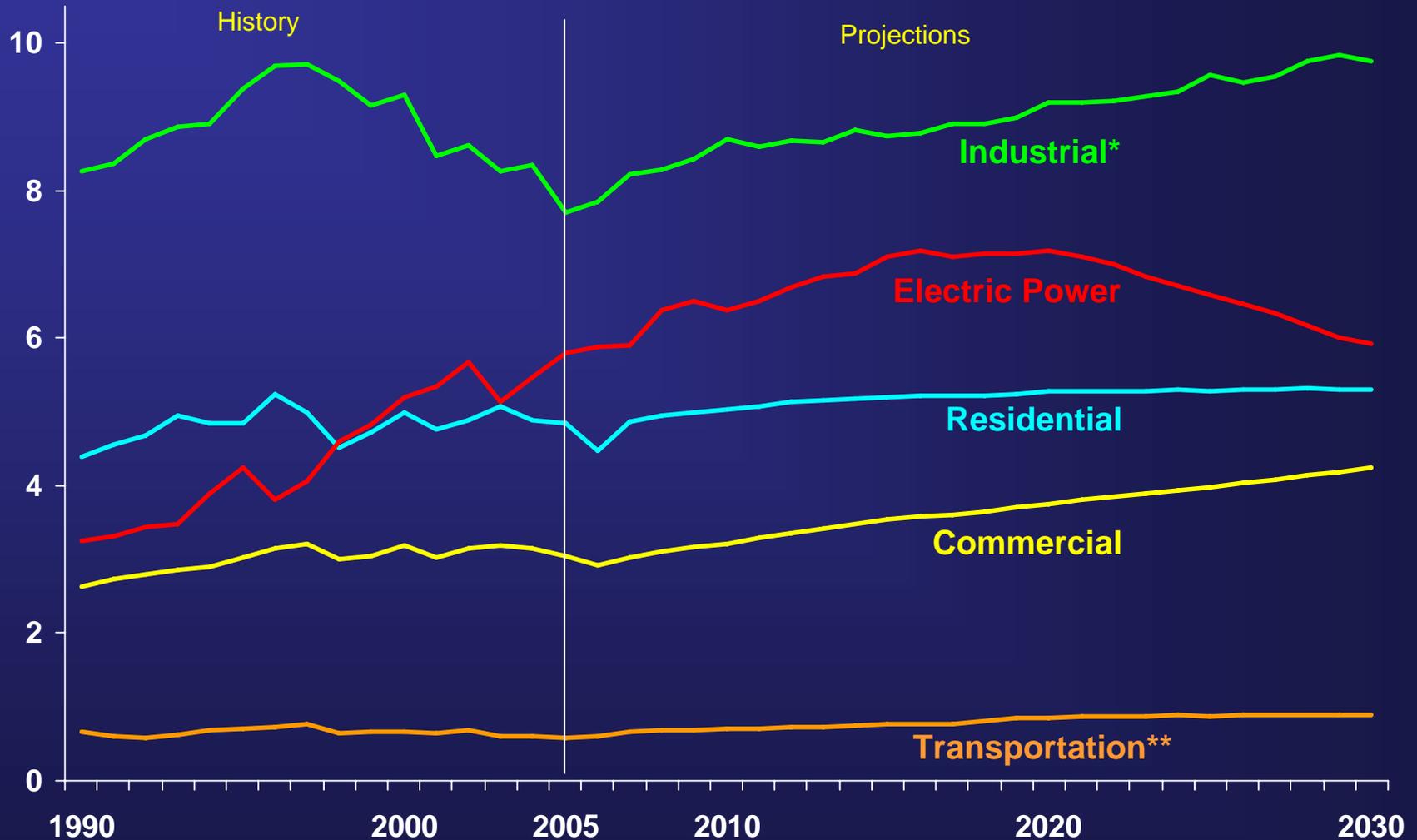
Total U.S. Unconventional Oil Production in Two Cases, 2005-2030 (thousand barrels per day)



Liquid Fuels Supply, Consumption, and Imports (million barrels per day)



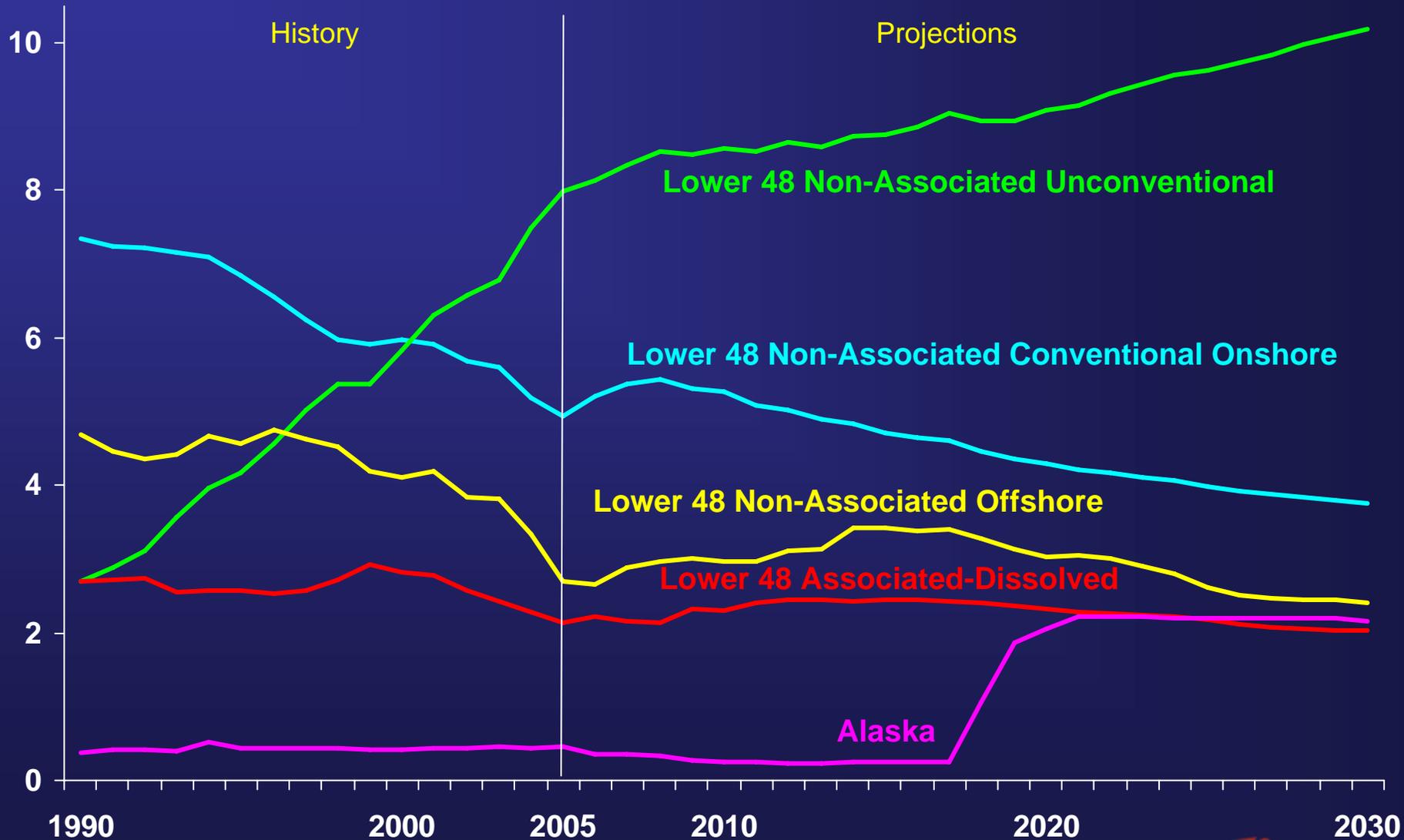
U.S. Natural Gas Consumption by Sector, 1990-2030 (trillion cubic feet)



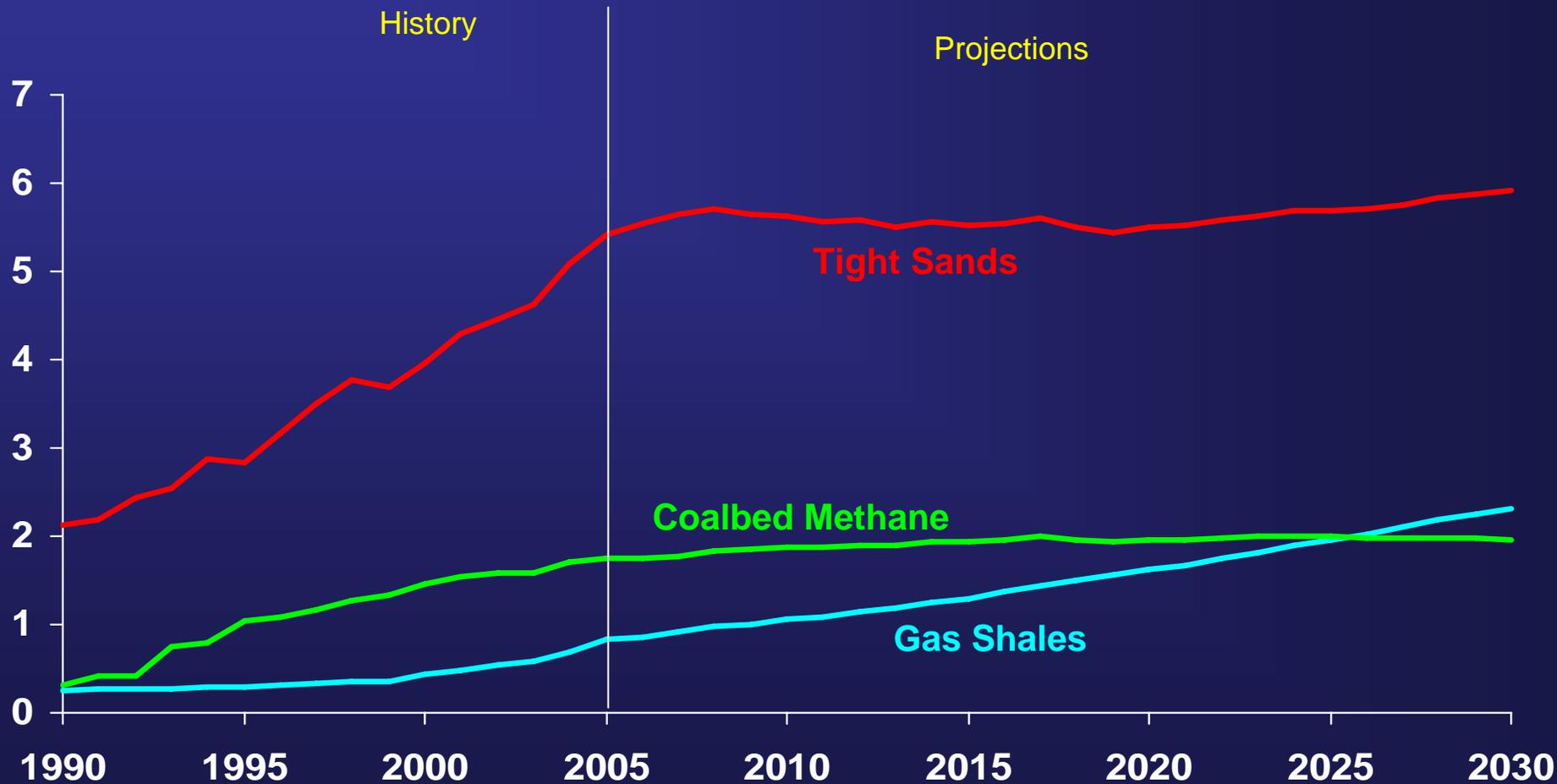
* Includes lease and plant fuel

** Includes pipeline fuel

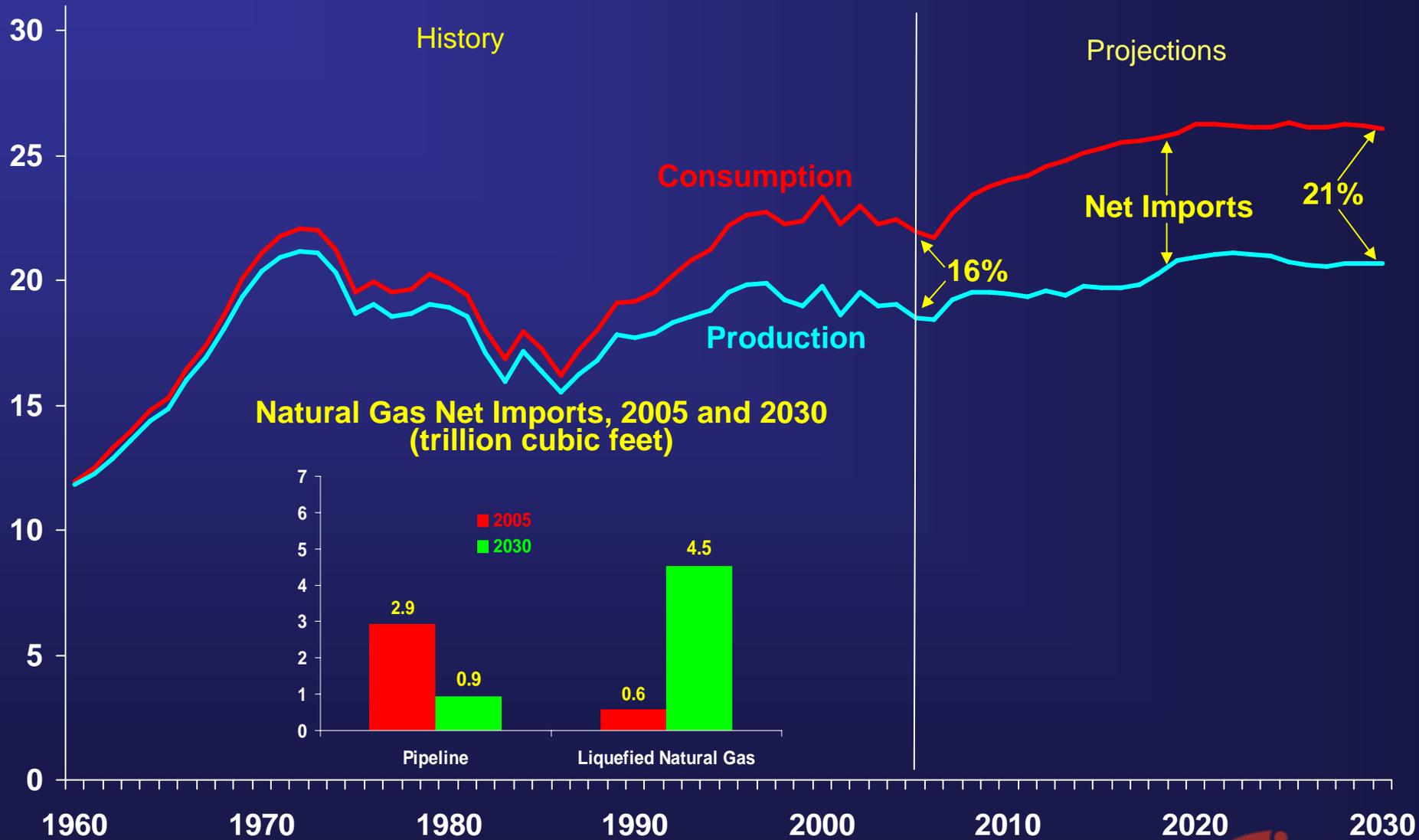
U.S. Natural Gas Production by Source, 1990-2030 (trillion cubic feet)



U.S. Unconventional Natural Gas Production, 1990-2030 (trillion cubic feet)



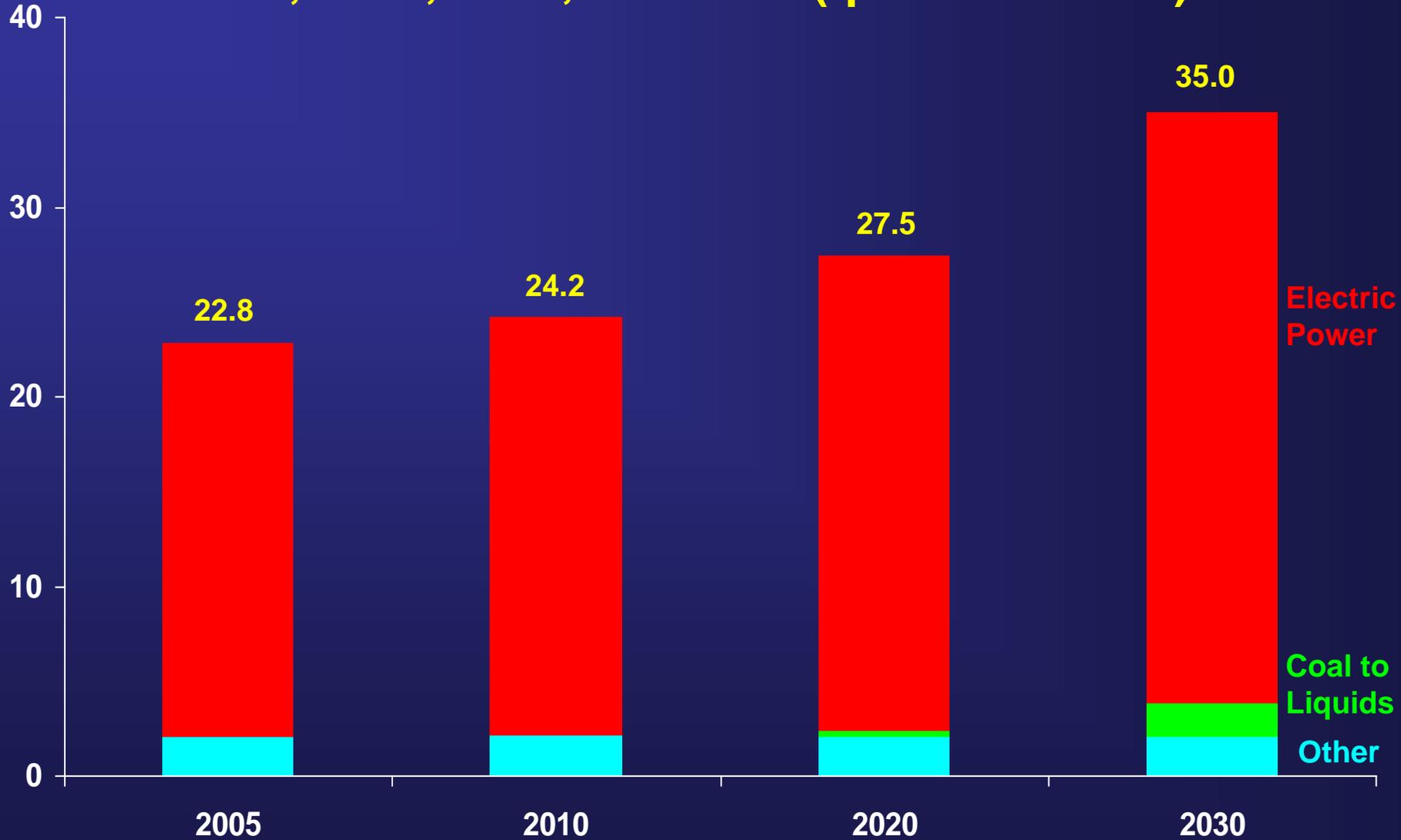
U.S. Natural Gas Production, Consumption, and Net Imports, 1960-2030 (trillion cubic feet)



U.S. Natural Gas Wellhead Price, 1970-2030 (2005 dollars per thousand cubic feet)



U.S. Coal Consumption by Sector, 2005, 2010, 2020, and 2030 (quadrillion Btu)



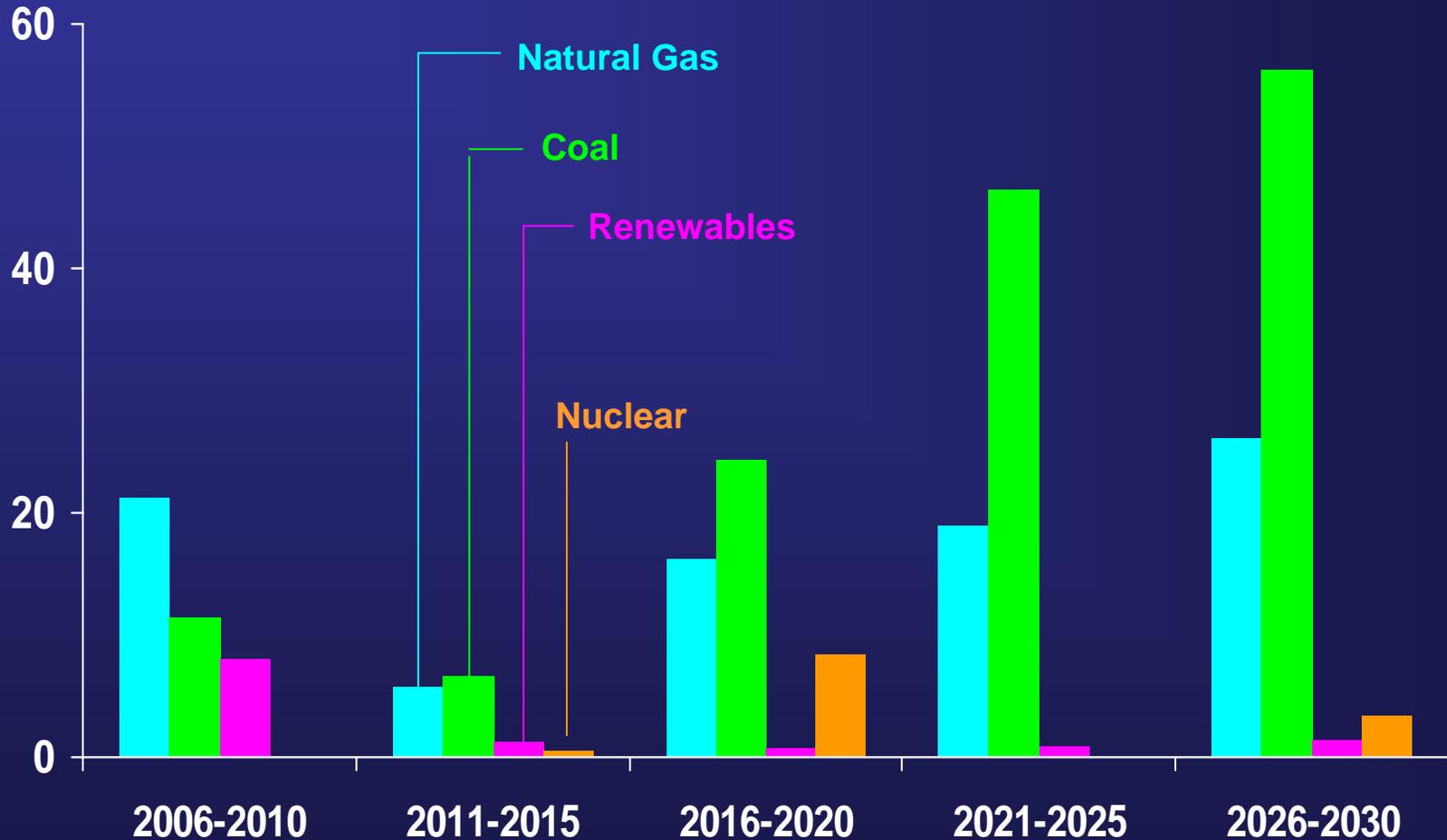
3-Year Rolling Average Electricity Demand Growth (with exponential trend line)



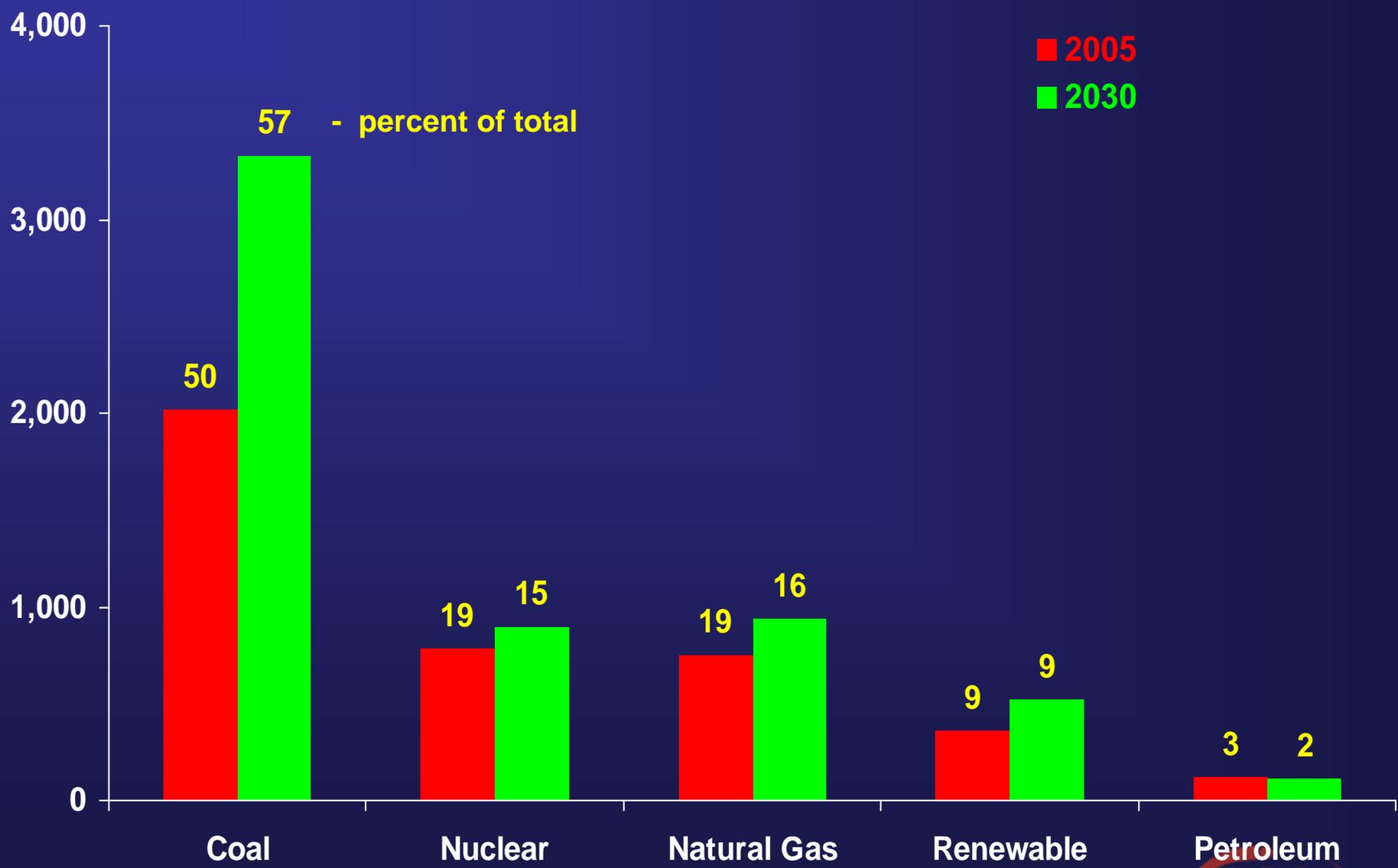
	Annual Growth
1950s	10.5%
1960s	7.3%
1970s	4.2%
1980s	2.6%
1990s	2.3%
2000-2005	1.4%
2005-2030	1.5%



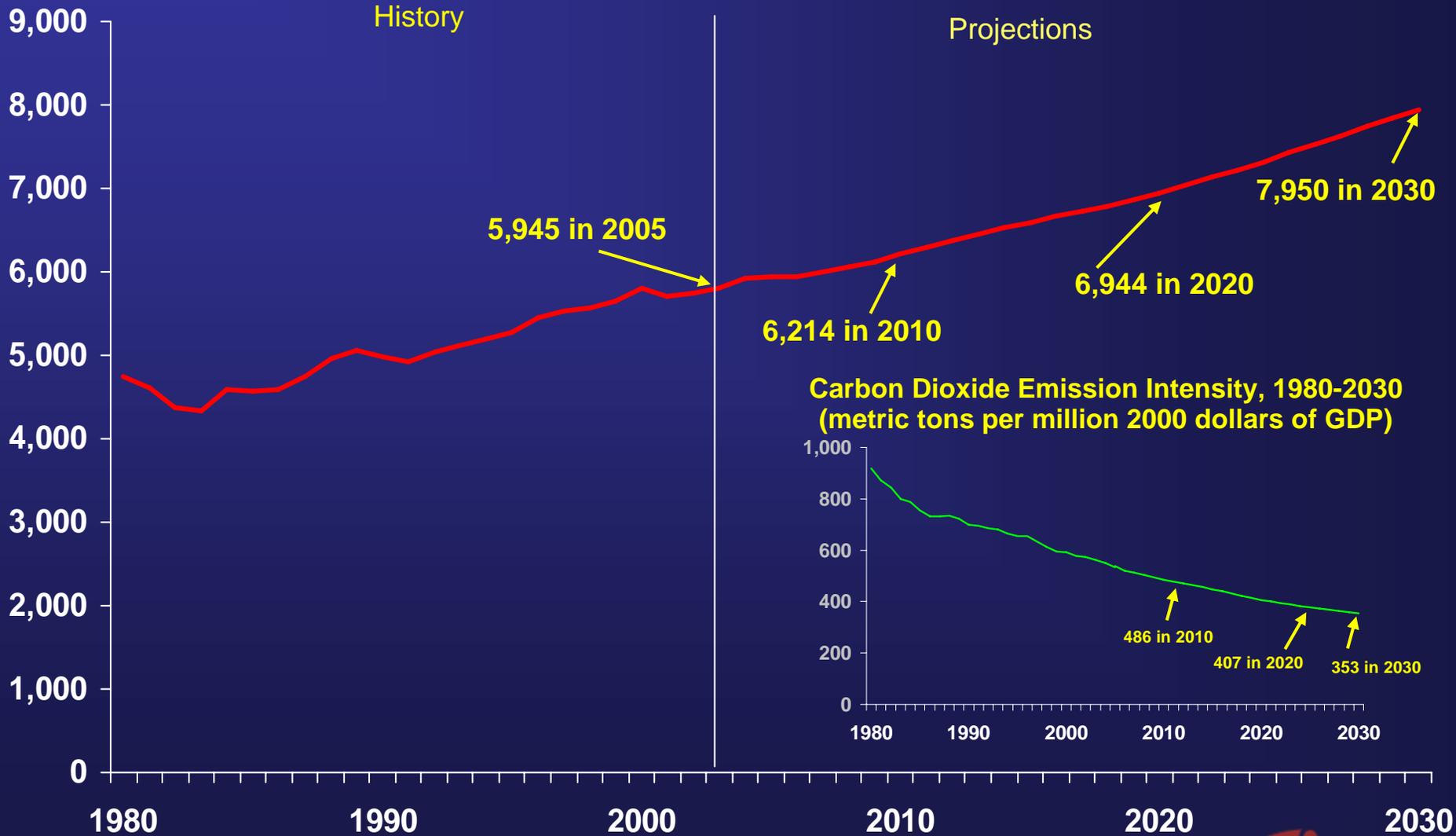
U.S. Electricity Generation Capacity Additions by Fuel, 2006-2030 (gigawatts)



U.S. Electricity Generation by Fuel, 2005 and 2030 (billion kilowatthours)



U.S. Energy-Related Carbon Dioxide Emissions, 1980-2030 (million metric tons)



***Annual Energy Outlook 2007* reference case indicates that through 2030....**

- **Traditional fossil fuels are expected to continue to meet the bulk of energy requirements over the projection period**
- **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 dependence, measured as a share of U.S. oil use, is not expected to increase over the next 25 years**
- **U.S. natural gas use is projected to be level off over the last decade of the projection**
- **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 are projected to grow at an average annual rate of 1.2 percent**

Periodic Reports

Petroleum Status and Natural Gas Storage Reports, weekly

Short-Term Energy Outlook, monthly

Annual Energy Outlook 2007, February 2007

International Energy Outlook 2007, May 2007

Examples of Special Analyses

“Economic Effects of High Oil Prices,” Annual Energy Outlook 2006

Analysis of Oil and Gas Production in the Arctic National Wildlife Refuge,

March 2004

The Global Liquefied Natural Gas Market: Status and Outlook, December 2003

“Impacts of Increased Access to Oil and Natural Gas Resources in the Lower 48 Federal Outer Continental Shelf,” Annual Energy Outlook 2007

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