

# ***The Outlook for U.S. Natural Gas Markets***

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Energy Information Administration**

**LNG San Antonio 2007  
March 8, 2007  
San Antonio, TX**

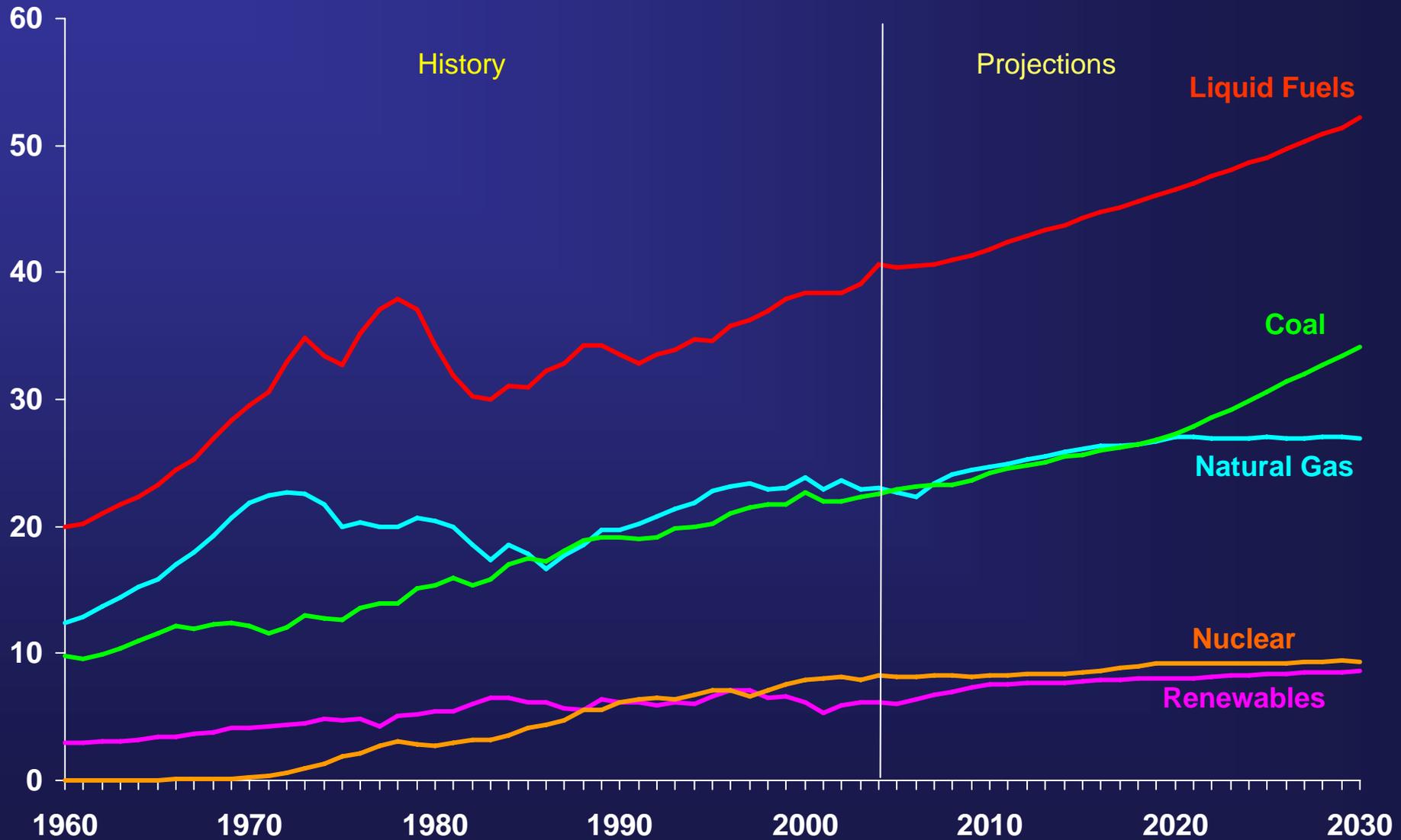
## ***Annual Energy Outlook 2007* reference case indicates that through 2030....**

- 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 dependency is projected to grow from 60 percent to 61 percent
- U.S. natural gas use is projected to peak around 2020
- 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 are projected to grow at an average annual rate of 1.2 percent

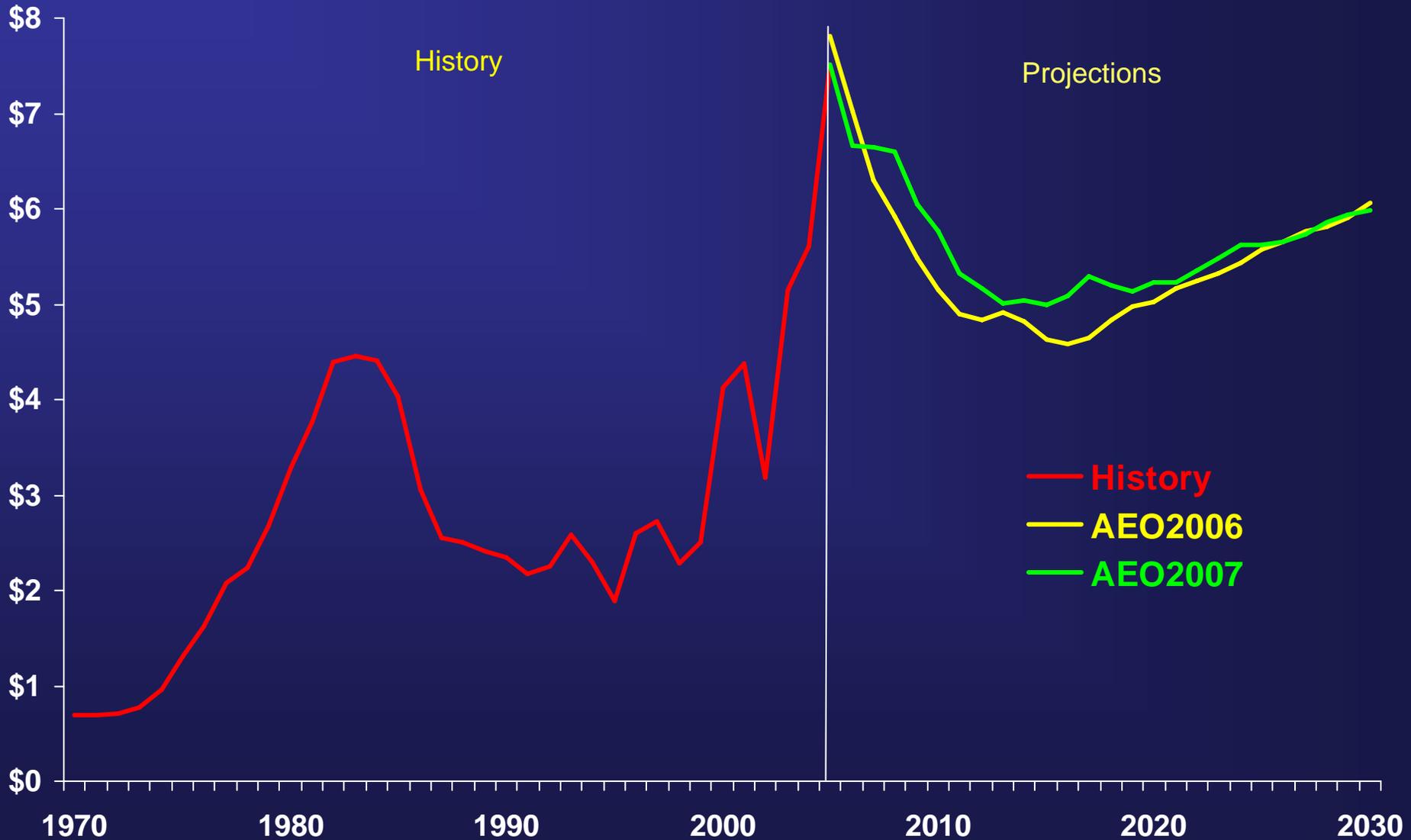
# World Oil Price, 1980-2030 (2005 dollars per barrel)



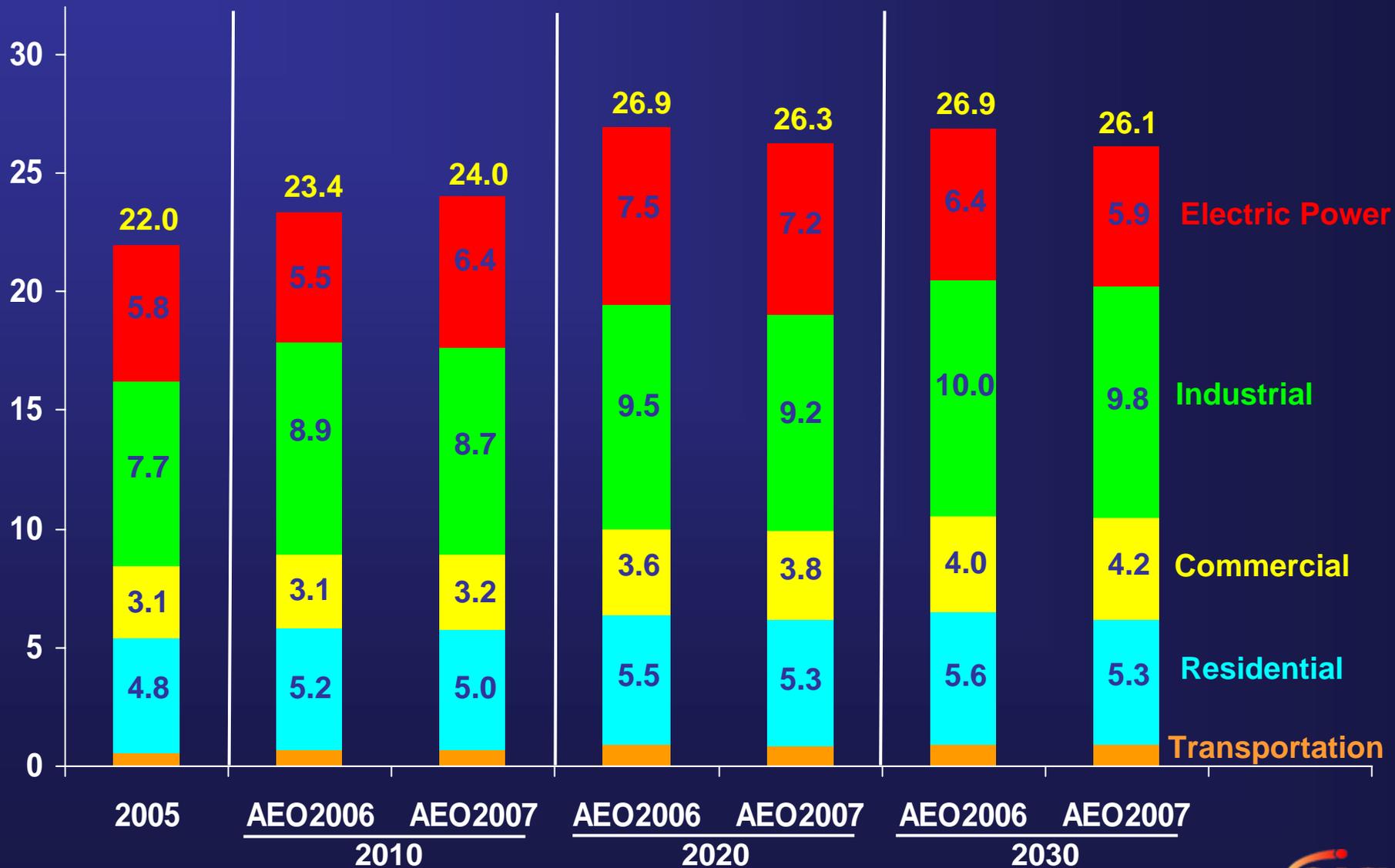
# U.S. Primary Energy Consumption by Fuel, 1960-2030 (quadrillion Btu)



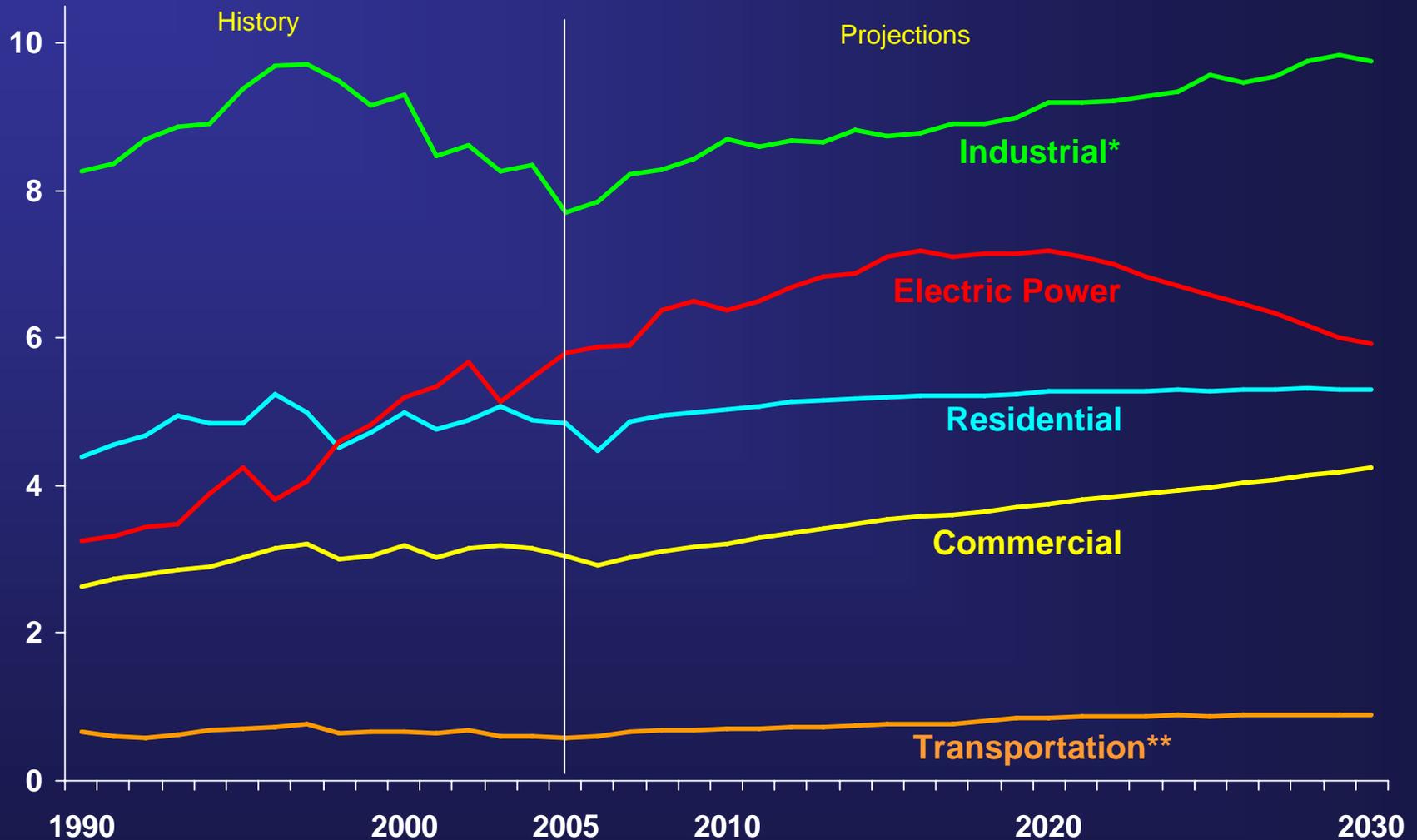
# U.S. Natural Gas Wellhead Price, 1970-2030 (2005 dollars per thousand cubic feet)



# U.S. Natural Gas Consumption by Sector, 2005, 2010, 2020, and 2030 (trillion cubic feet)



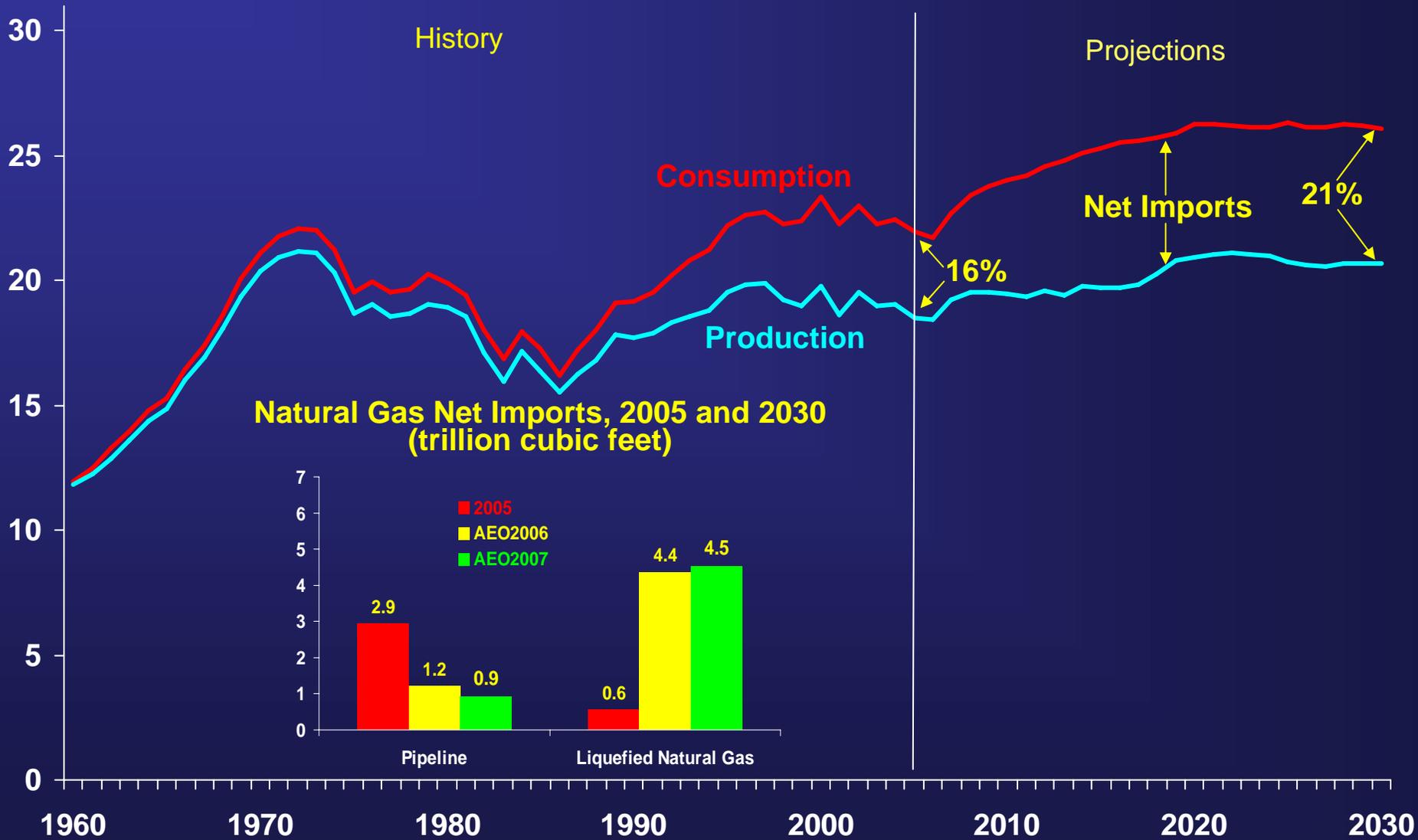
# U.S. Natural Gas Consumption by Sector, 1990-2030 (trillion cubic feet)



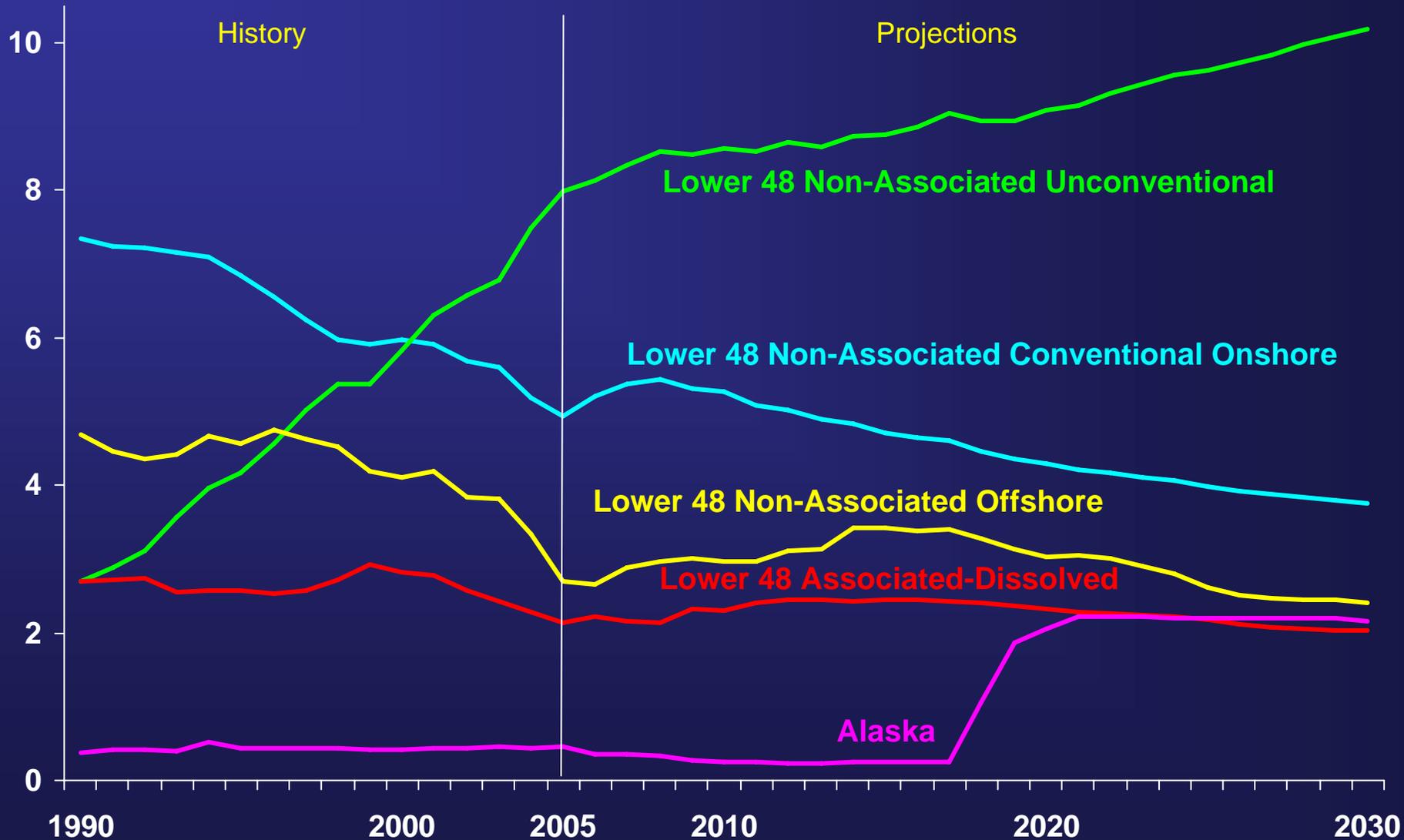
\* Includes lease and plant fuel

\*\* Includes pipeline fuel

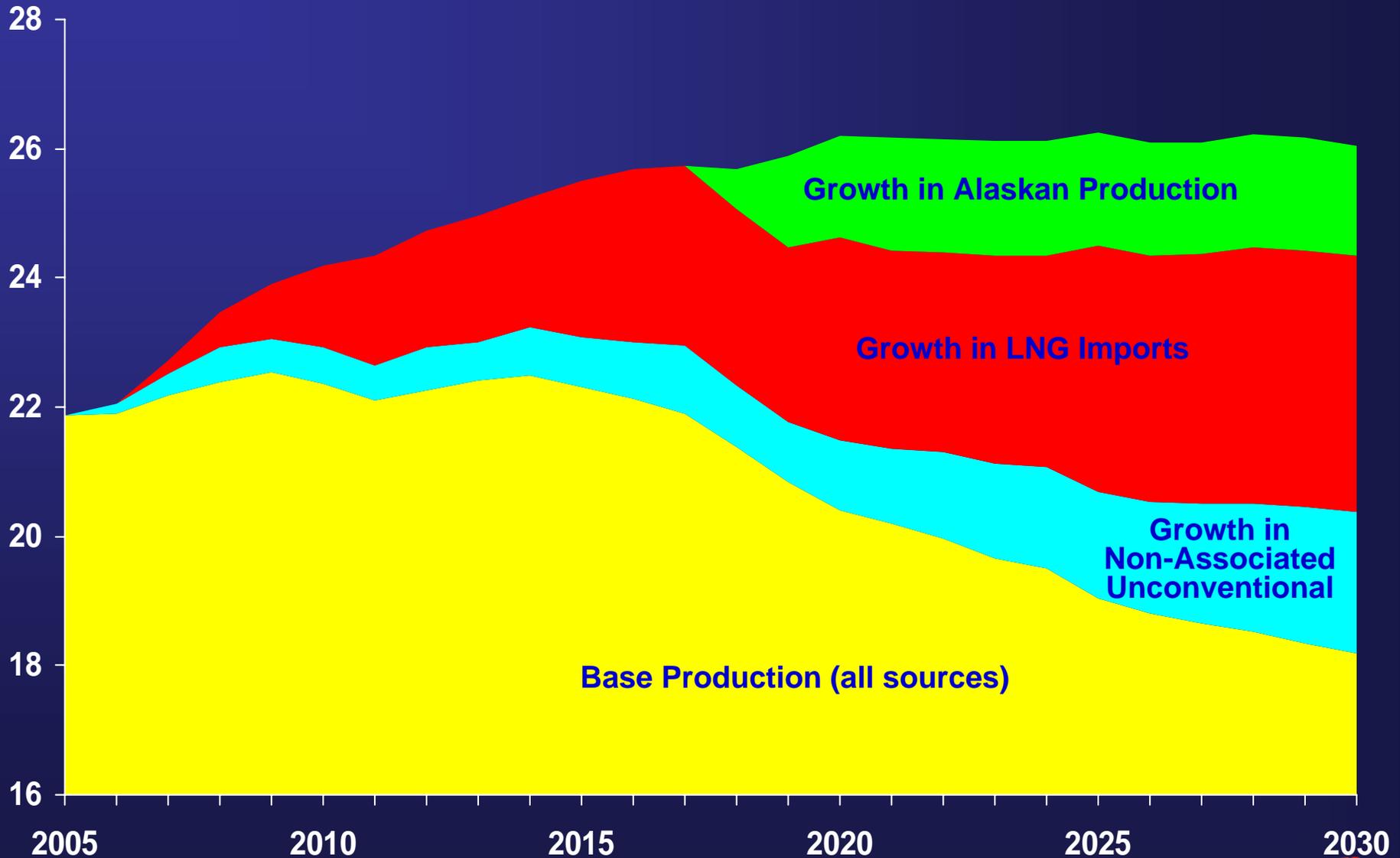
# U.S. Natural Gas Production, Consumption, and Net Imports, 1960-2030 (trillion cubic feet)



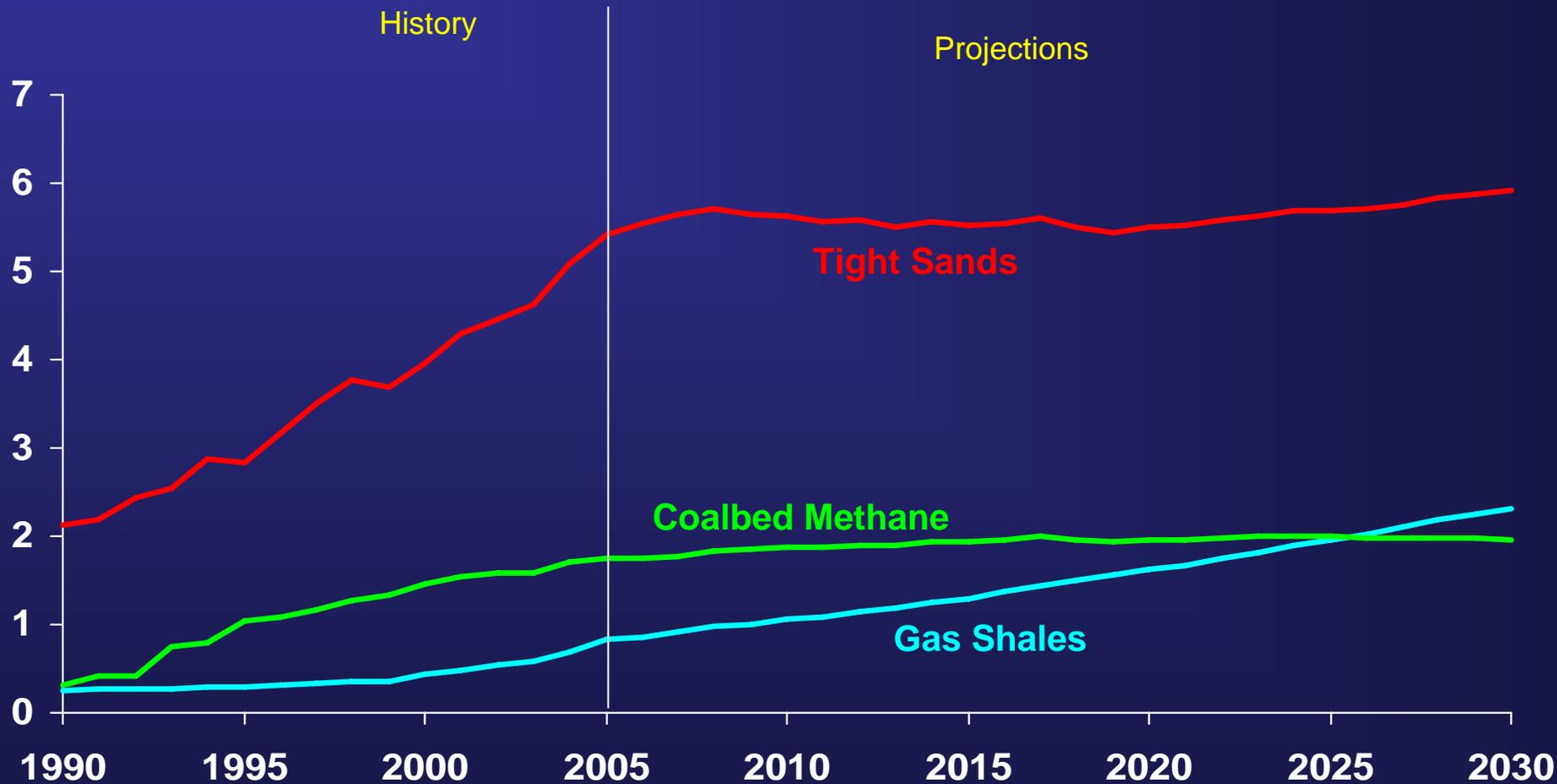
# U.S. Natural Gas Production by Source, 1990-2030 (trillion cubic feet)



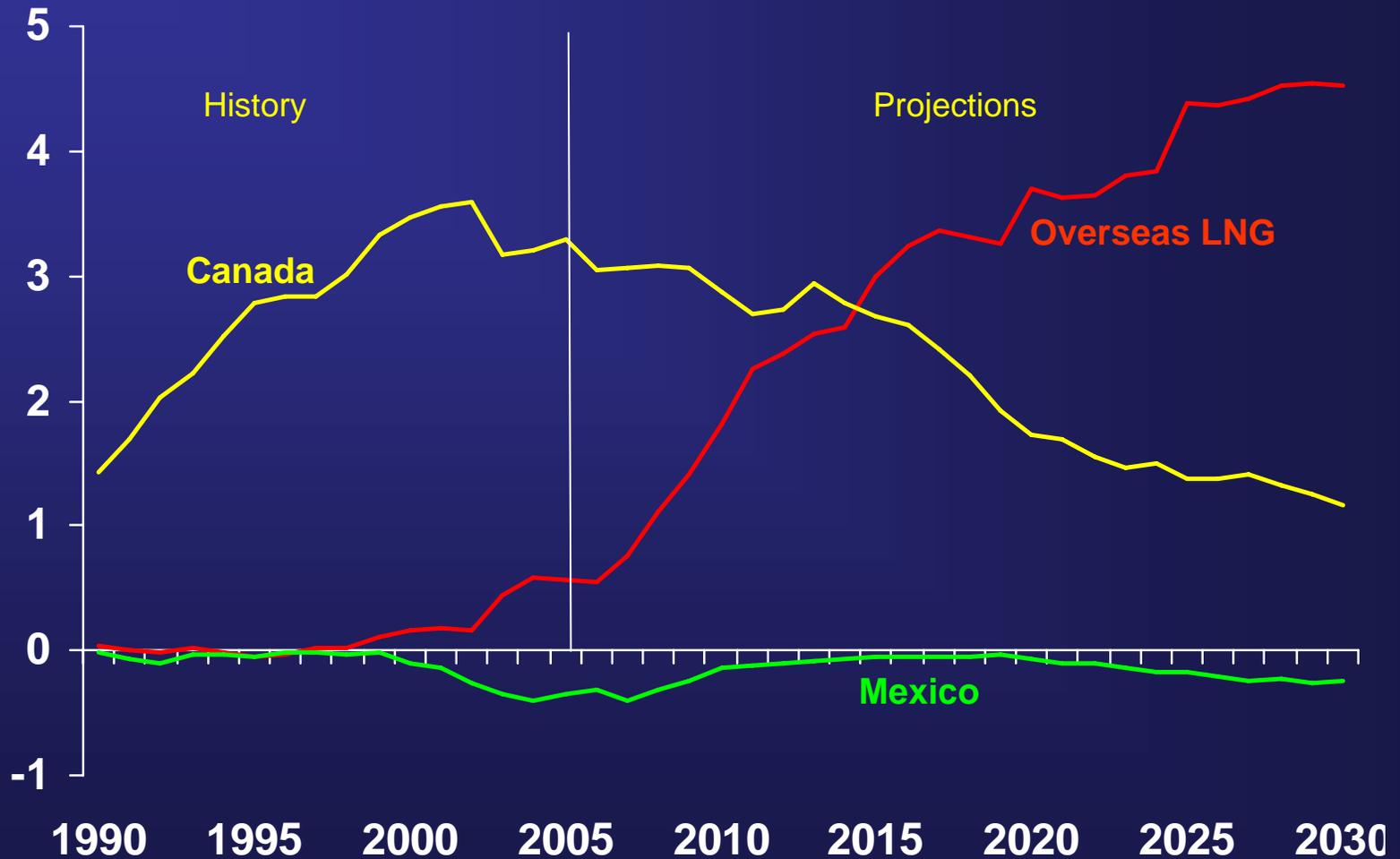
# Major Sources of Incremental U.S. Natural Gas Supply, 2006-2030 (trillion cubic feet)



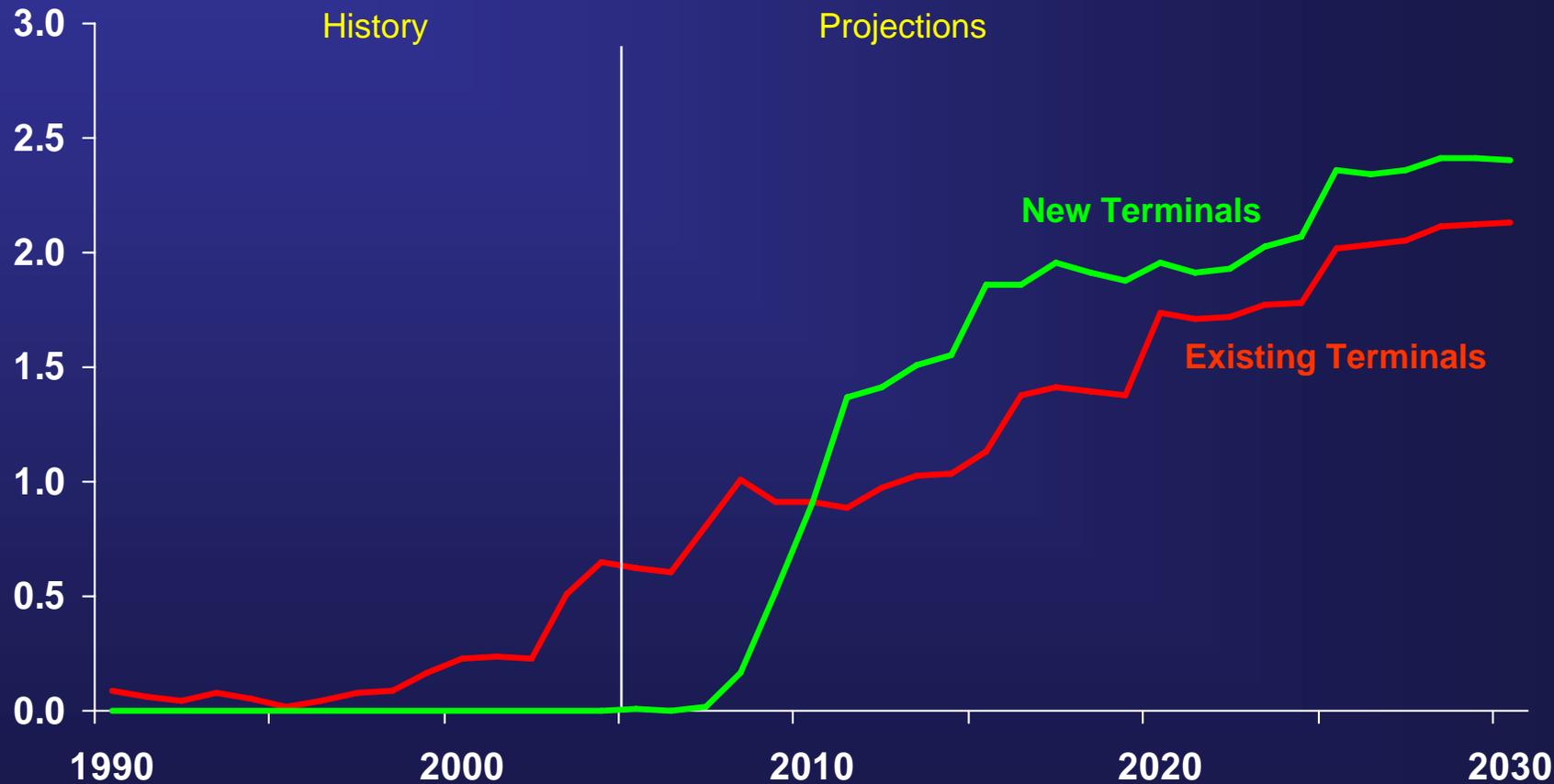
# U.S. Unconventional Natural Gas Production, 1990-2030 (trillion cubic feet)



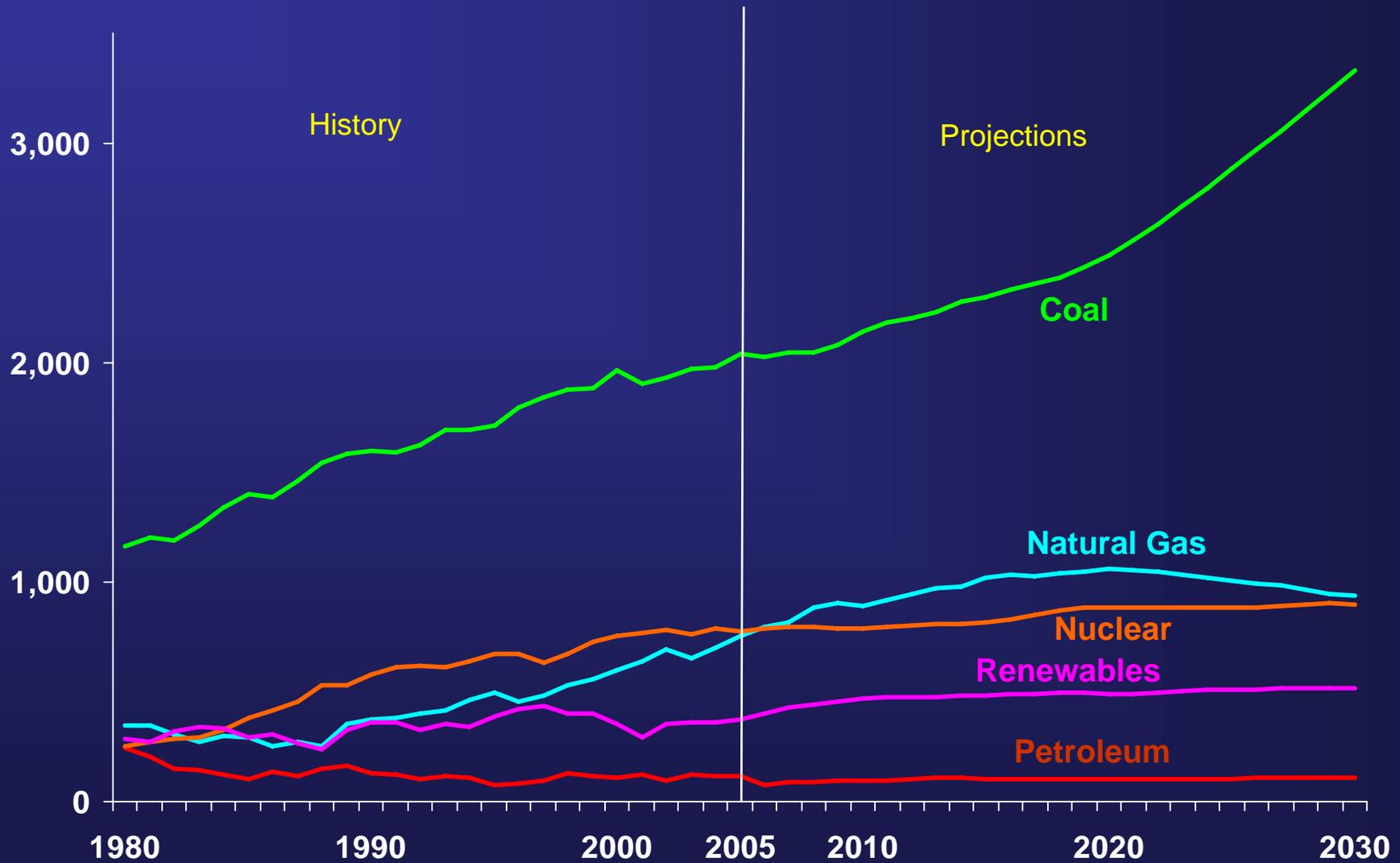
# U.S. Net Imports of Natural Gas, 1990-2030 (trillion cubic feet)



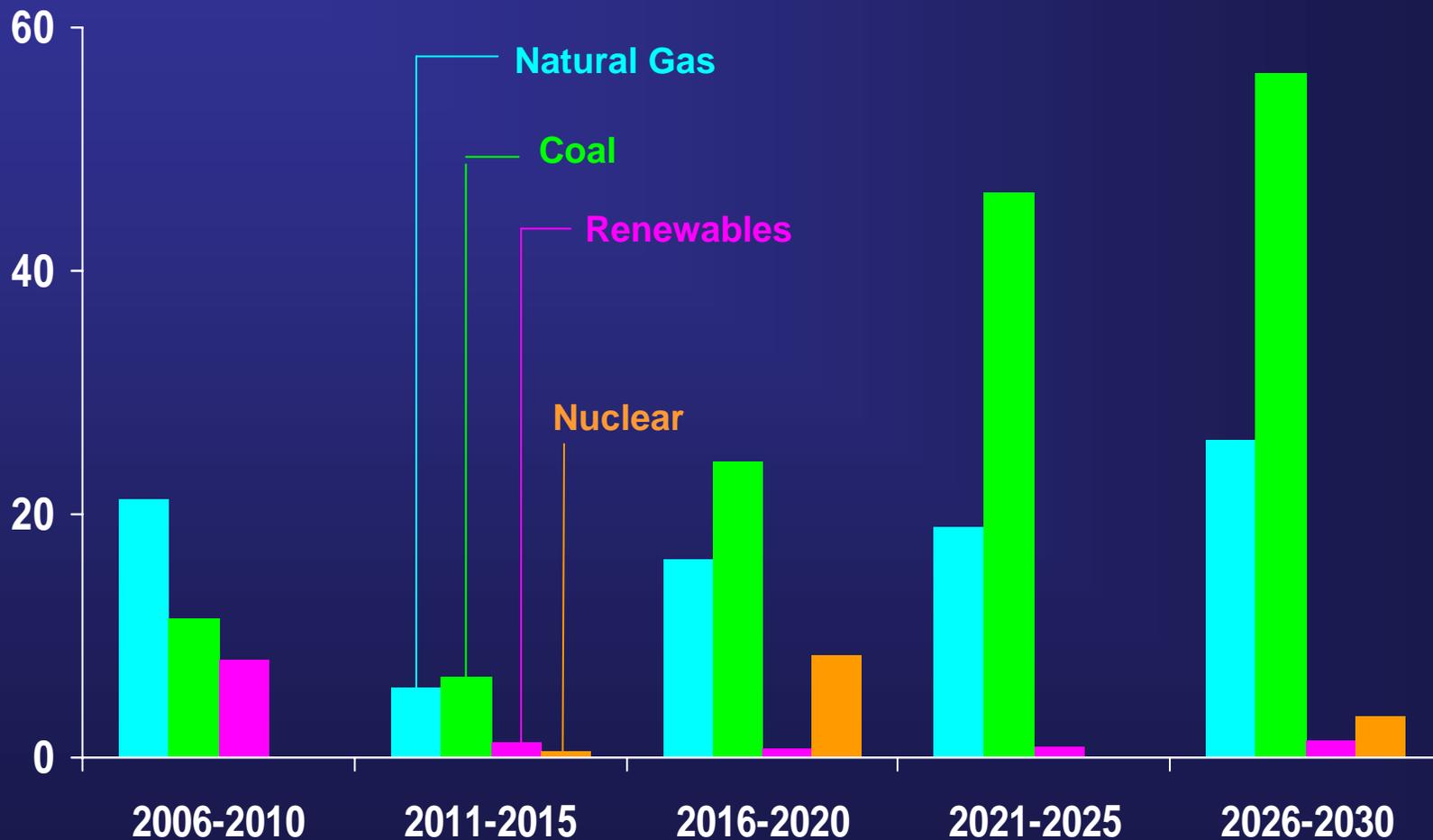
# U.S. LNG Imports, 1990-2030 (trillion cubic feet)



# U.S. Electricity Generation by Fuel, 1980-2030 (billion kilowatthours)



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



## Periodic Reports

*Petroleum Status and Natural Gas Storage Reports, weekly*

*Short-Term Energy Outlook, monthly*

*Annual Energy Outlook 2007, February 2007*

*International Energy Outlook 2006, June 2006*

## 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*

*“Restricted Natural Gas Supply Case,” Annual Energy Outlook 2005*

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