

Annual Energy Outlook 2003

Mary J. Hutzler

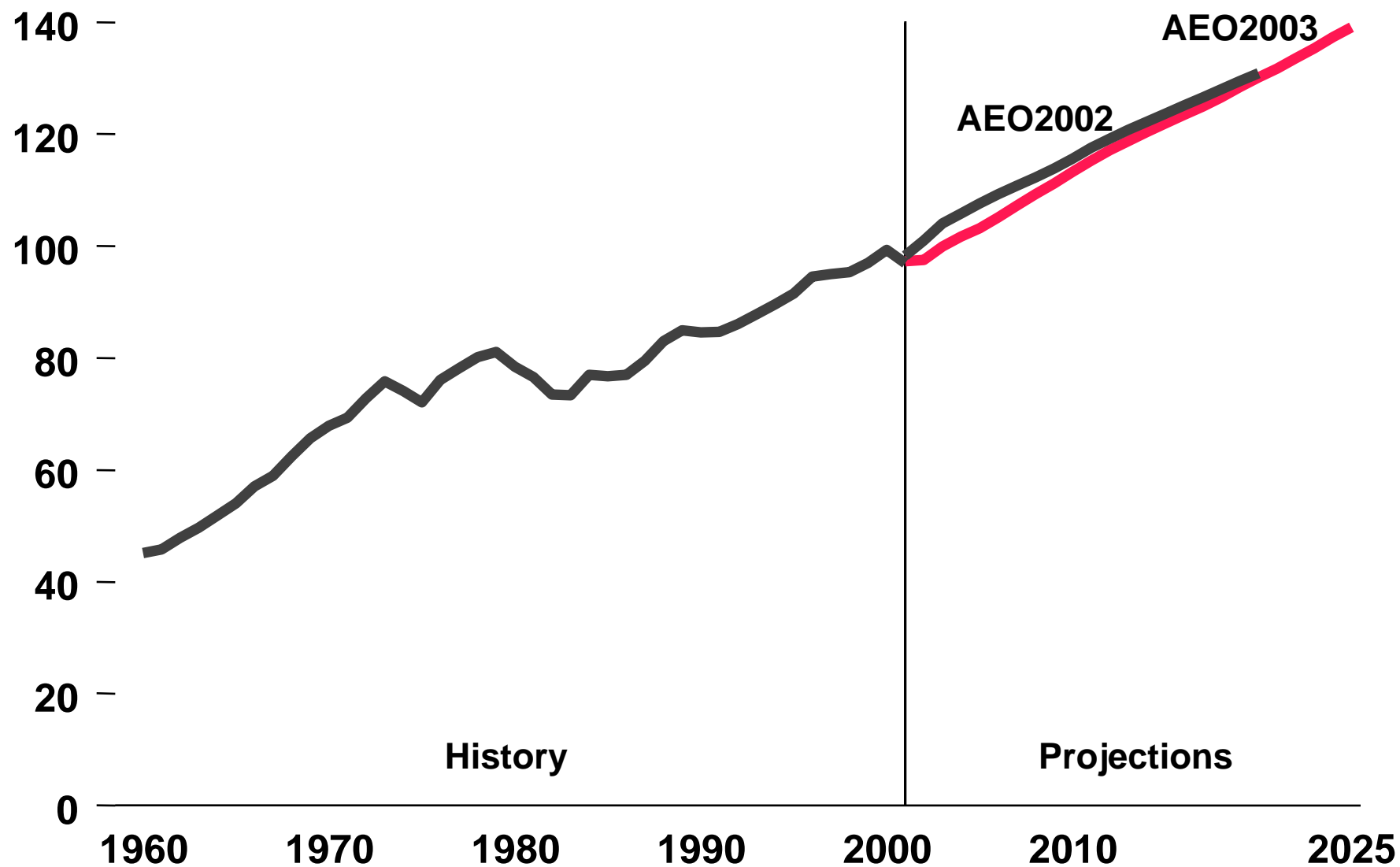
Director, Office of Integrated Analysis and Forecasting

Energy Information Administration

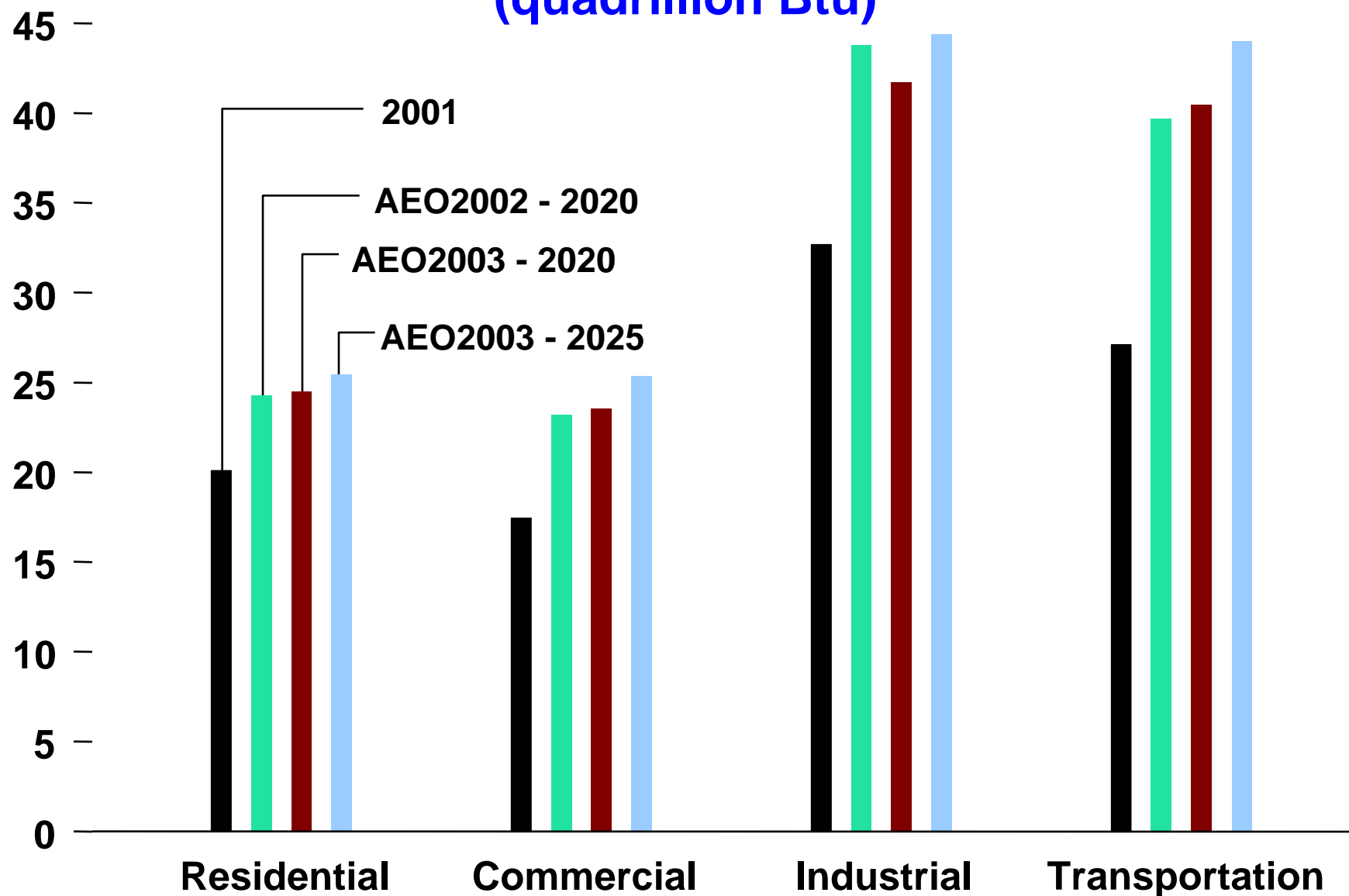
March 18, 2003



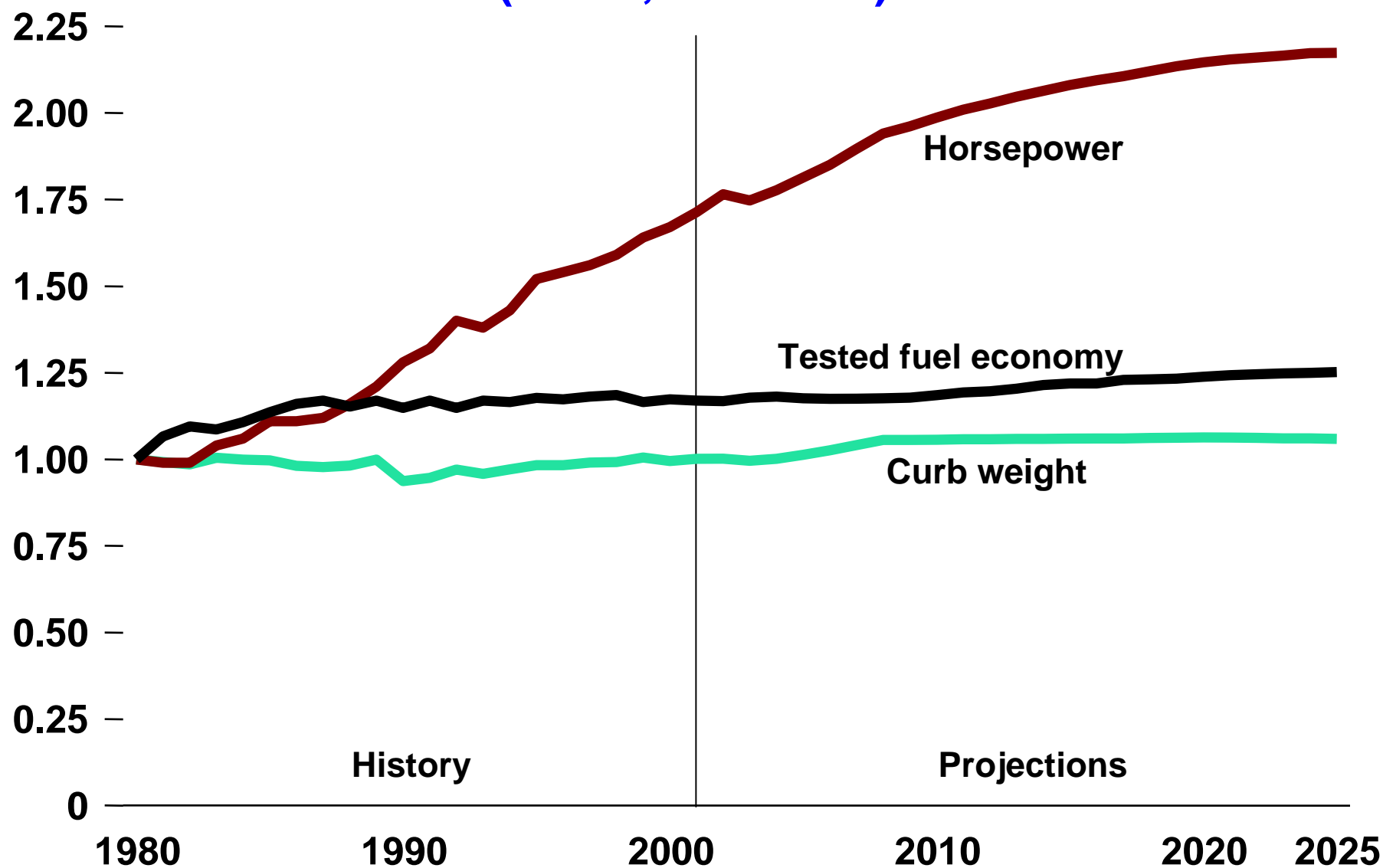
Primary Energy Consumption, 1960-2025 (quadrillion Btu)



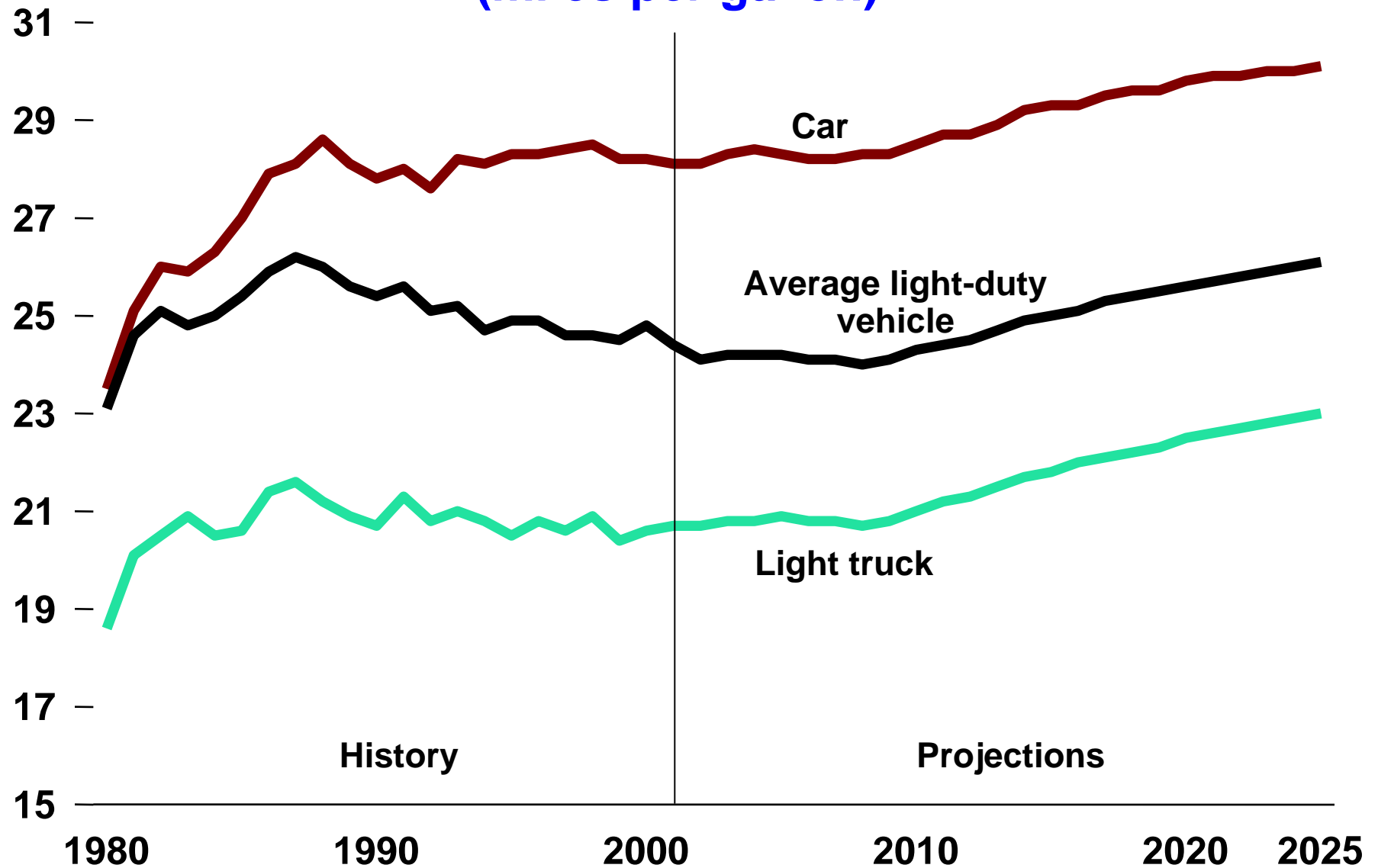
Primary Energy Consumption, 2001, 2020, and 2025 (quadrillion Btu)



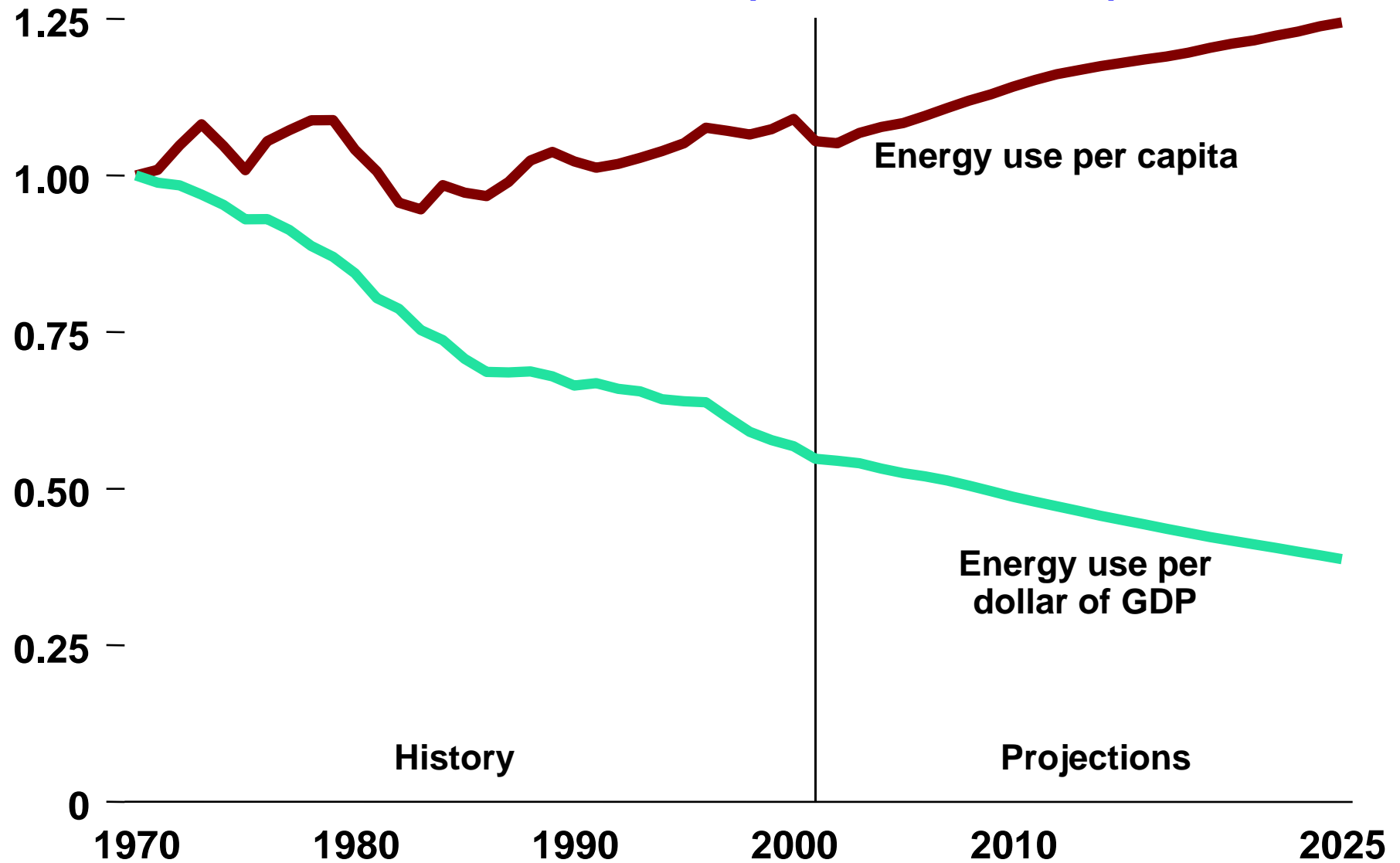
New Conventional Car Attributes, 1980-2025 (index, 1980=1.0)



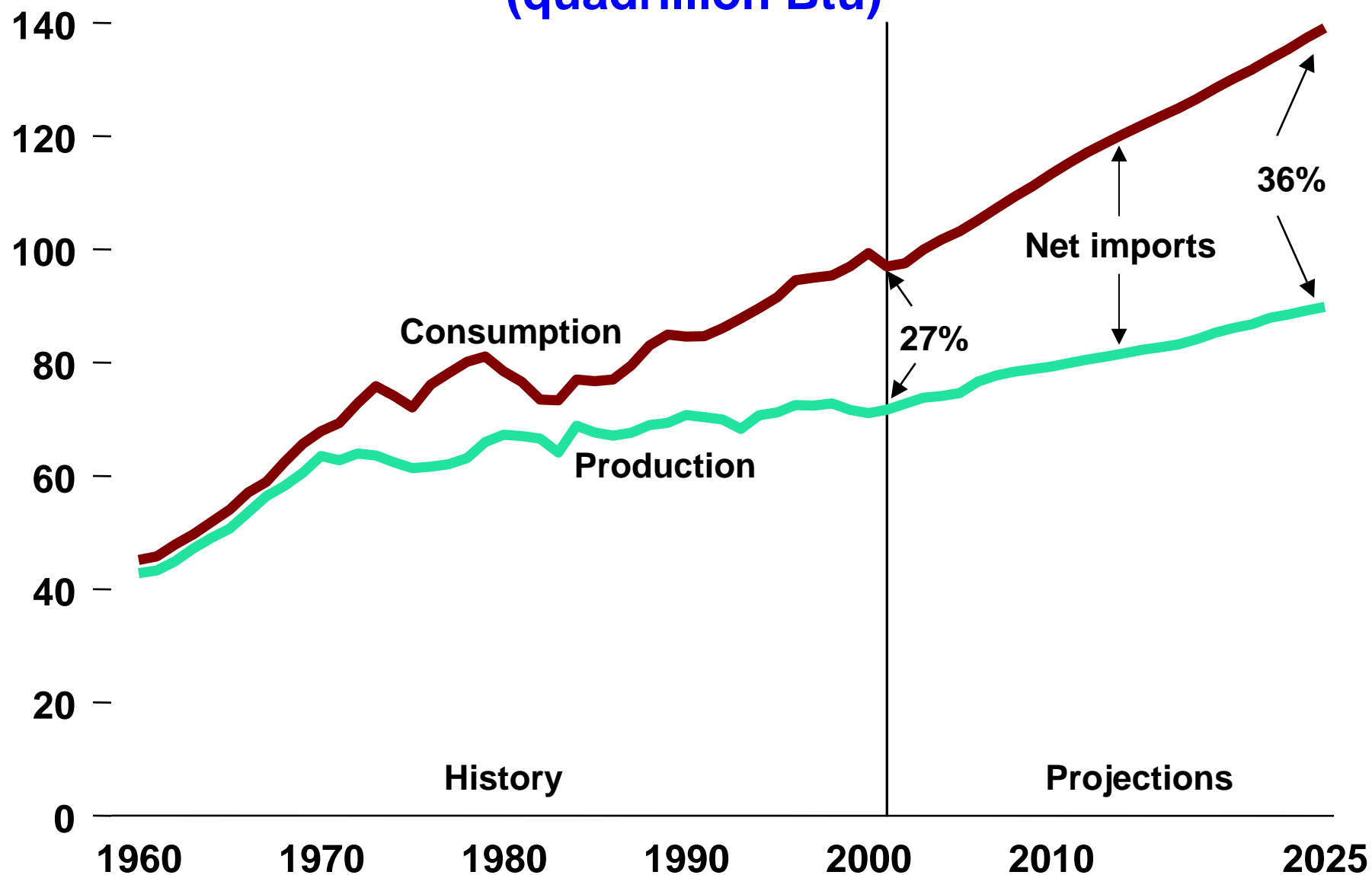
New Light-duty Vehicle Fuel Economy, 1980-2025 (miles per gallon)



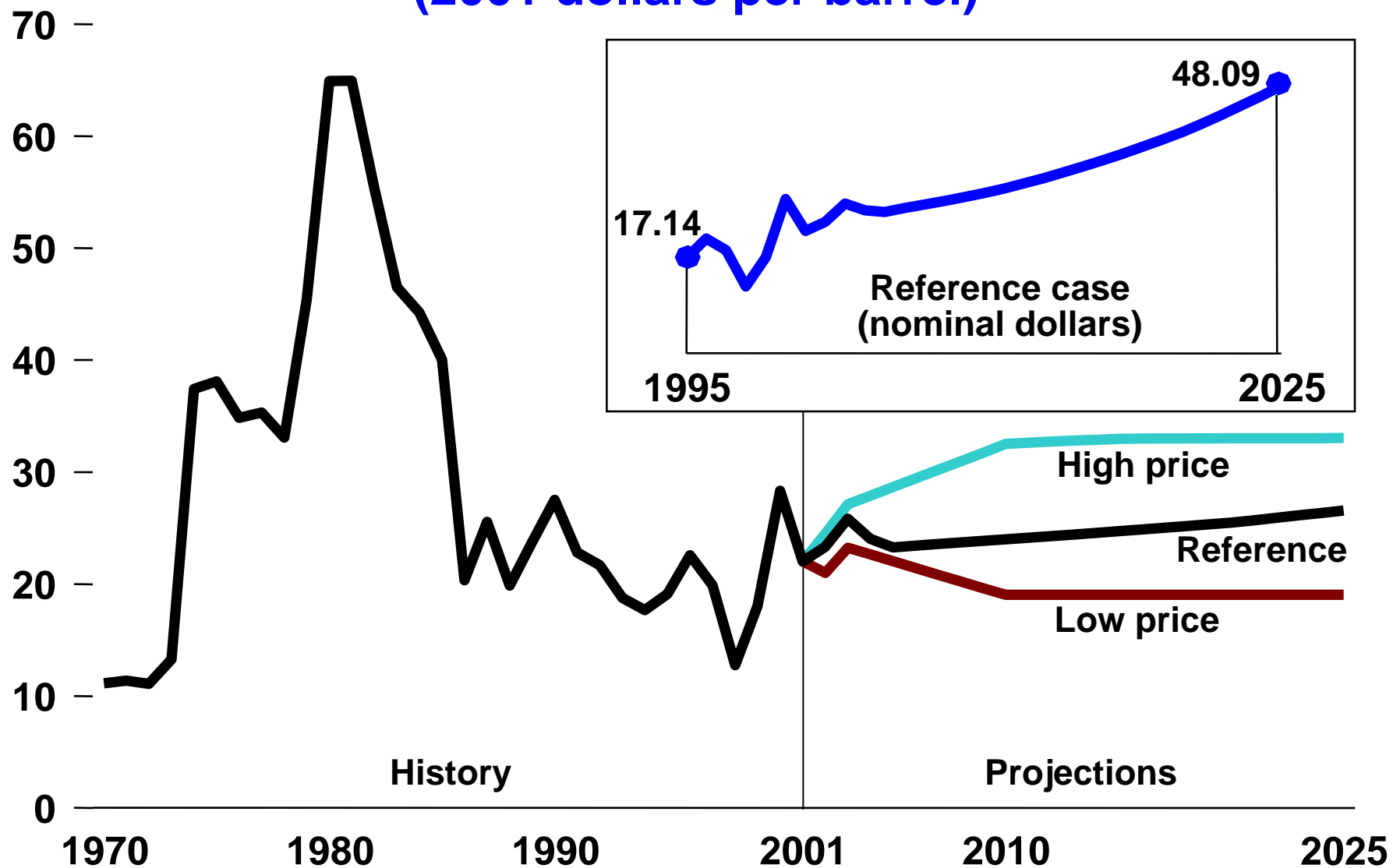
Energy Use per Capita and per Dollar of Gross Domestic Product, 1970-2025 (index, 1970 = 1)



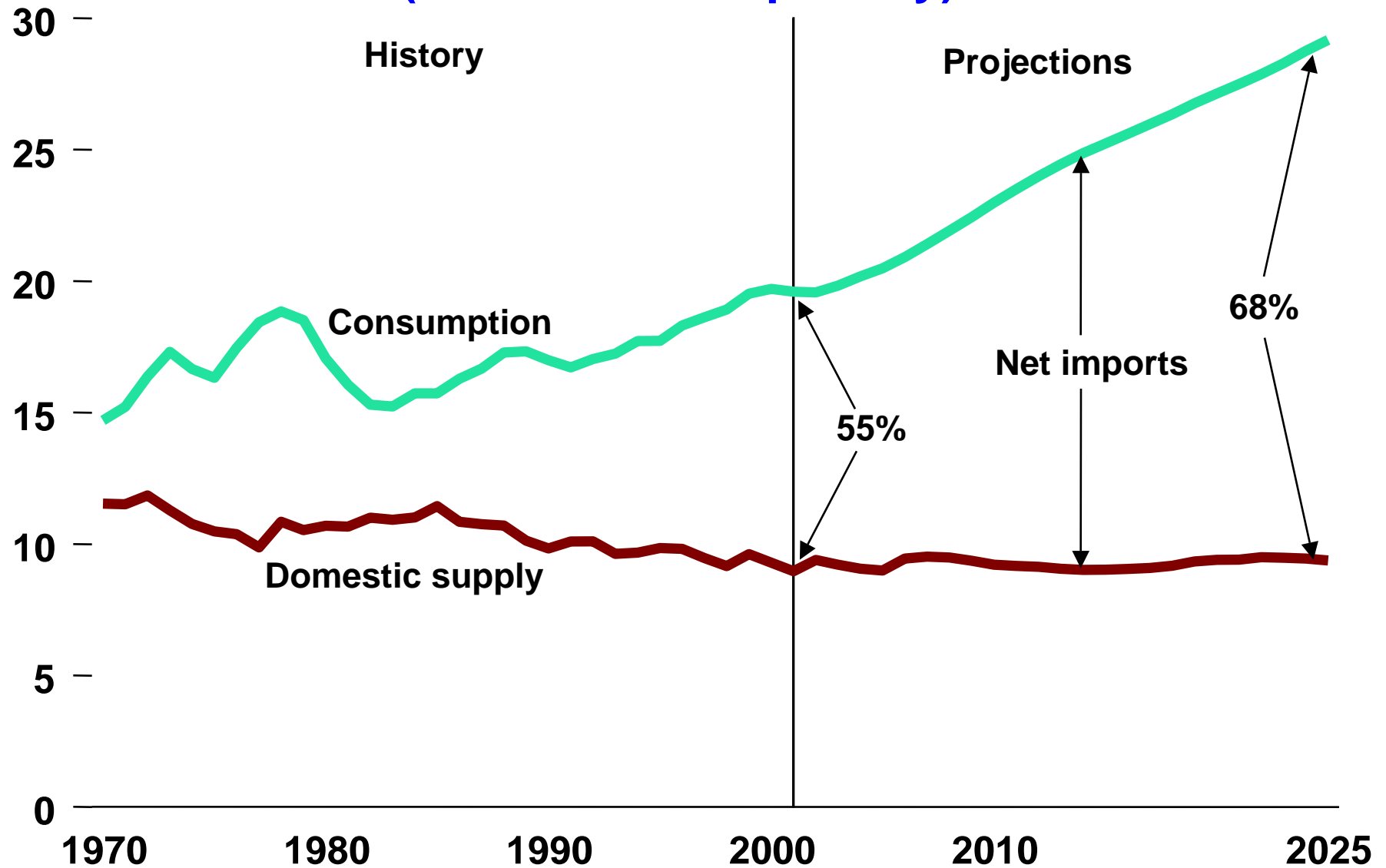
U.S. Energy Production and Consumption, 1960-2025 (quadrillion Btu)



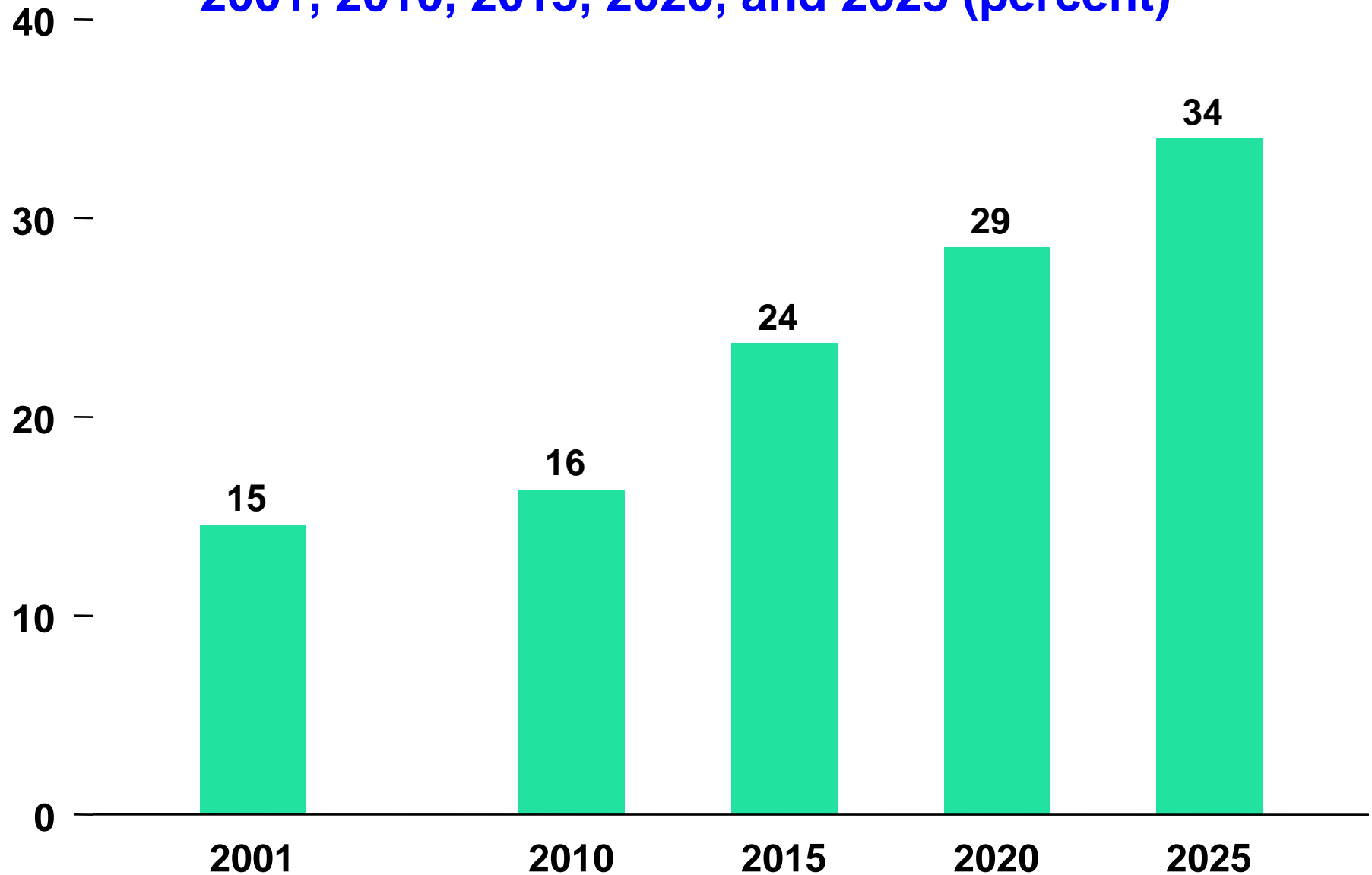
World Oil Prices in Three Cases, 1970-2025 (2001 dollars per barrel)



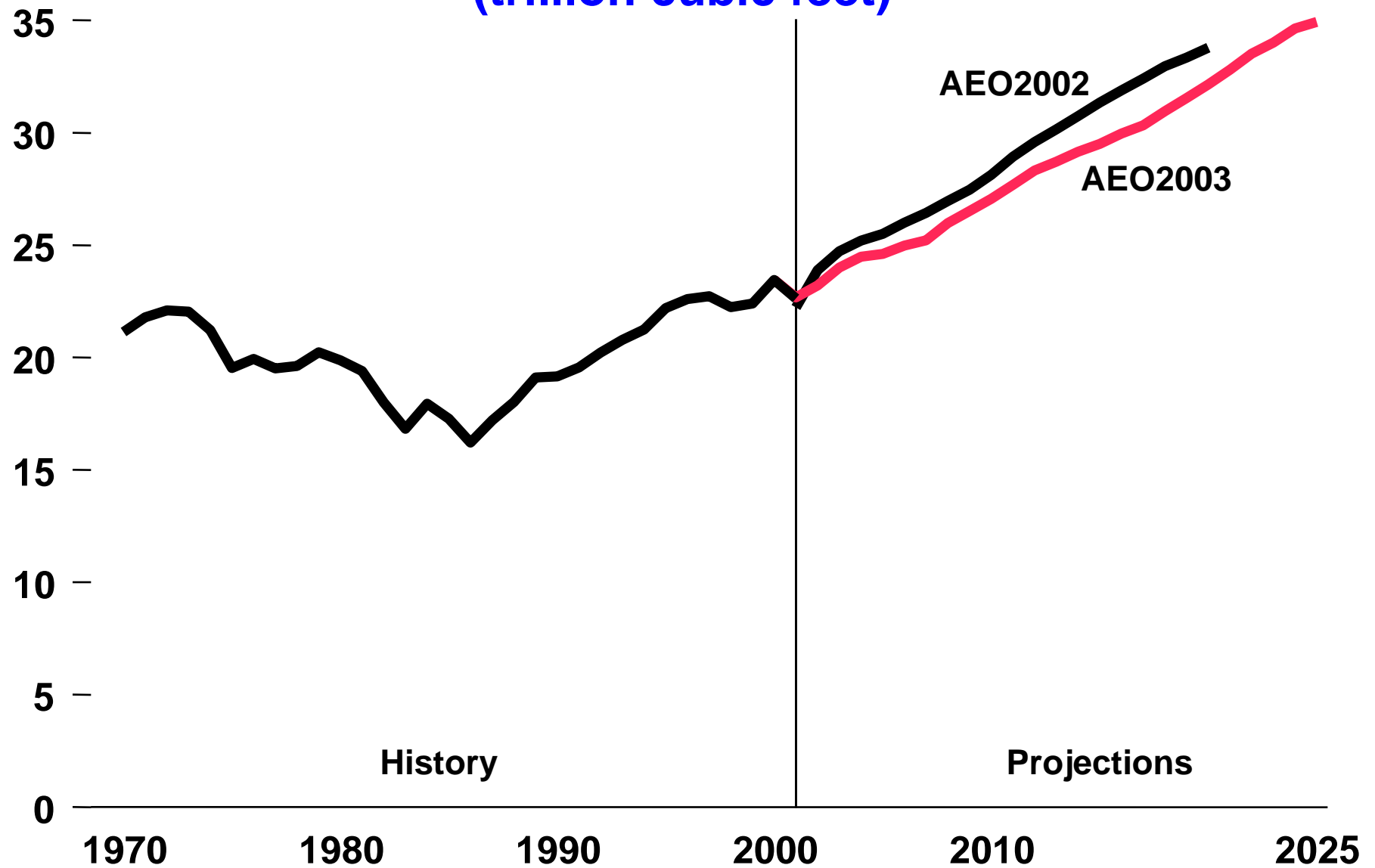
Petroleum Supply, Consumption, and Imports, 1970-2025 (million barrels per day)



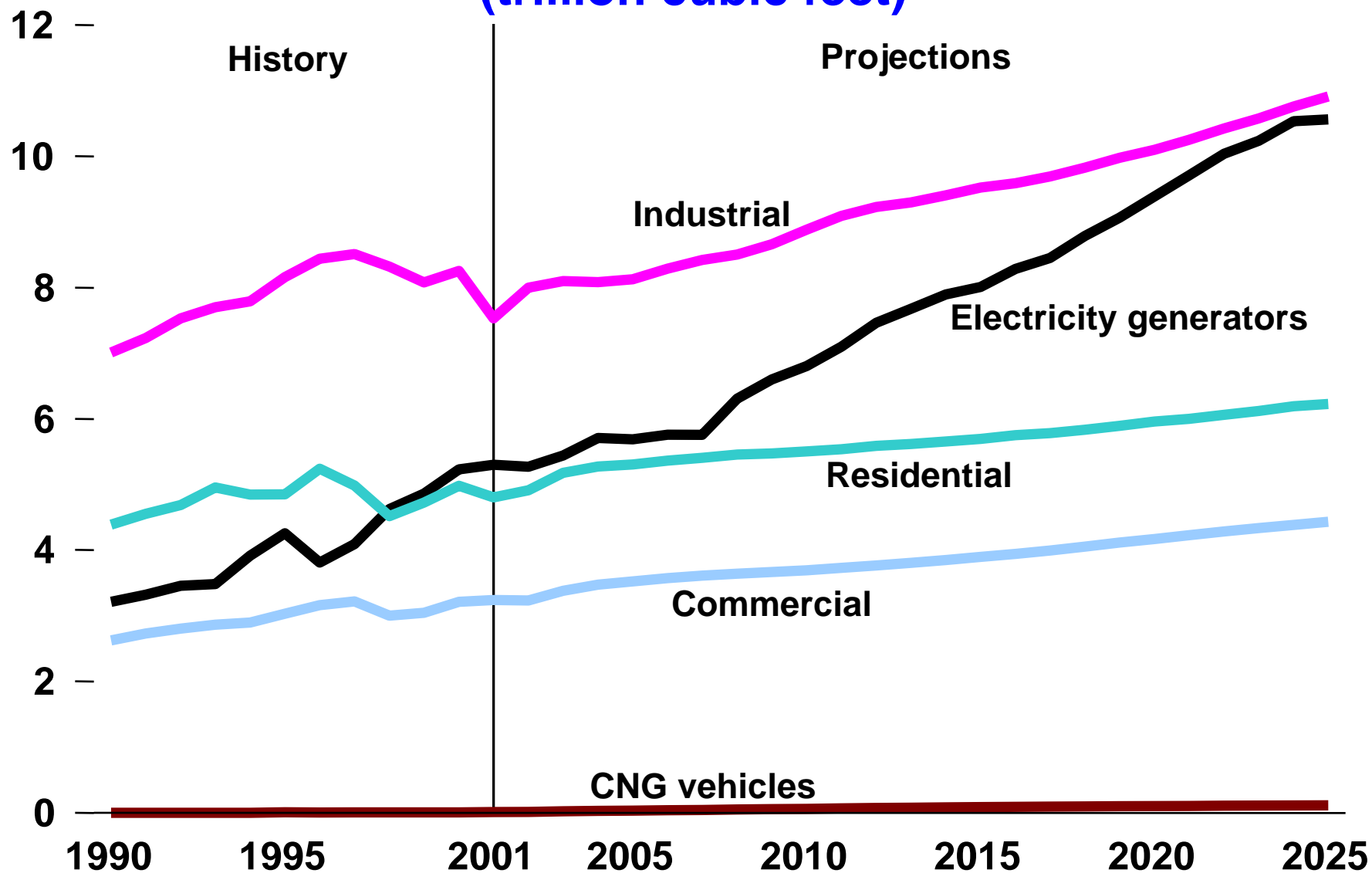
Petroleum Products Share of Net Imports, 2001, 2010, 2015, 2020, and 2025 (percent)



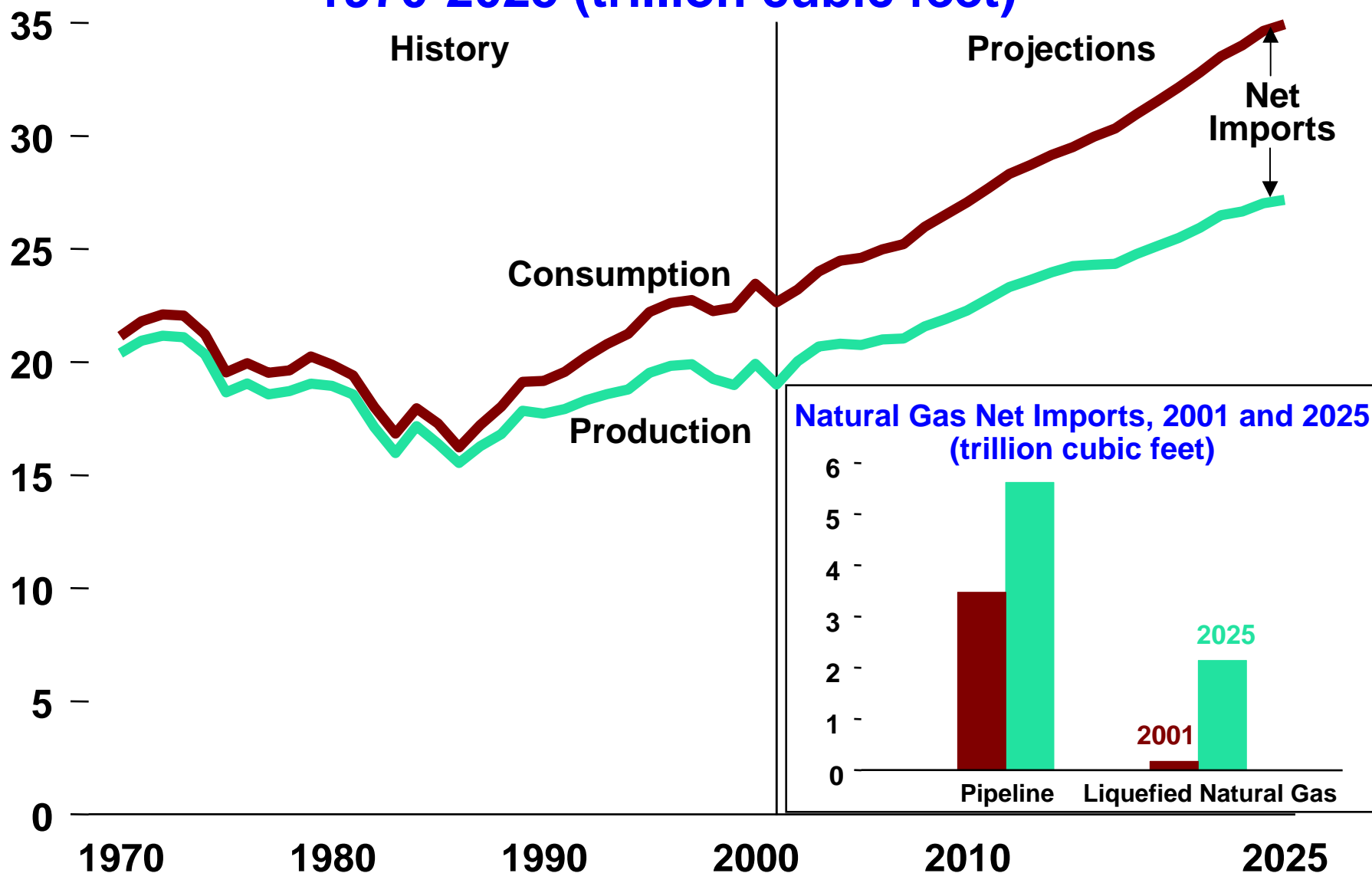
Natural Gas Consumption, 1970-2025 (trillion cubic feet)



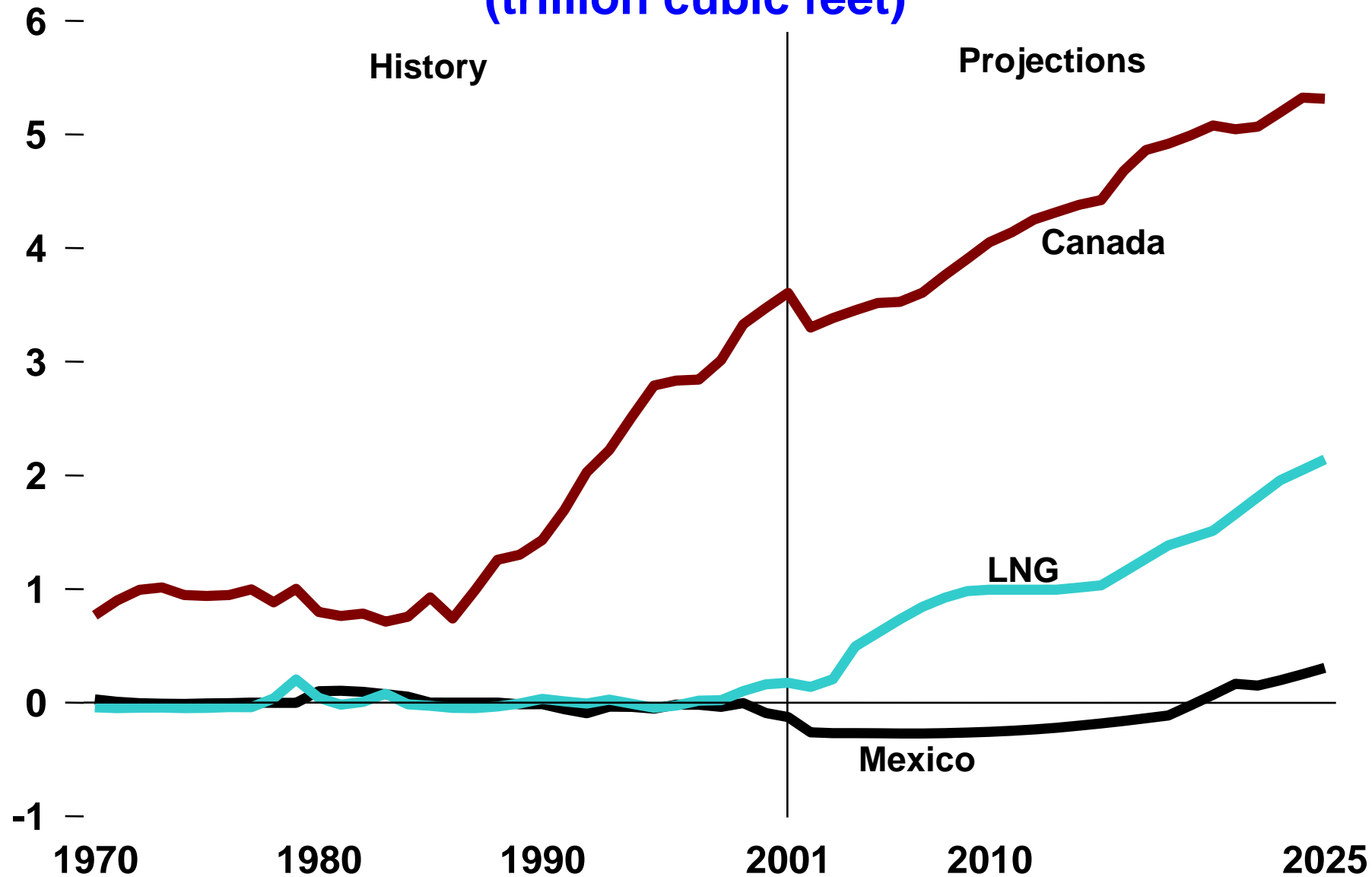
U.S. Natural Gas Consumption by Sector, 1990-2025 (trillion cubic feet)



Natural Gas Production, Consumption, and Imports, 1970-2025 (trillion cubic feet)



U.S. Net Imports of Natural Gas, 1970-2025 (trillion cubic feet)

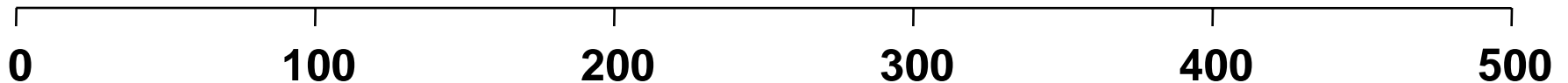


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Technically Recoverable U.S. Natural Gas Resources as of January 1, 2002 (trillion cubic feet)

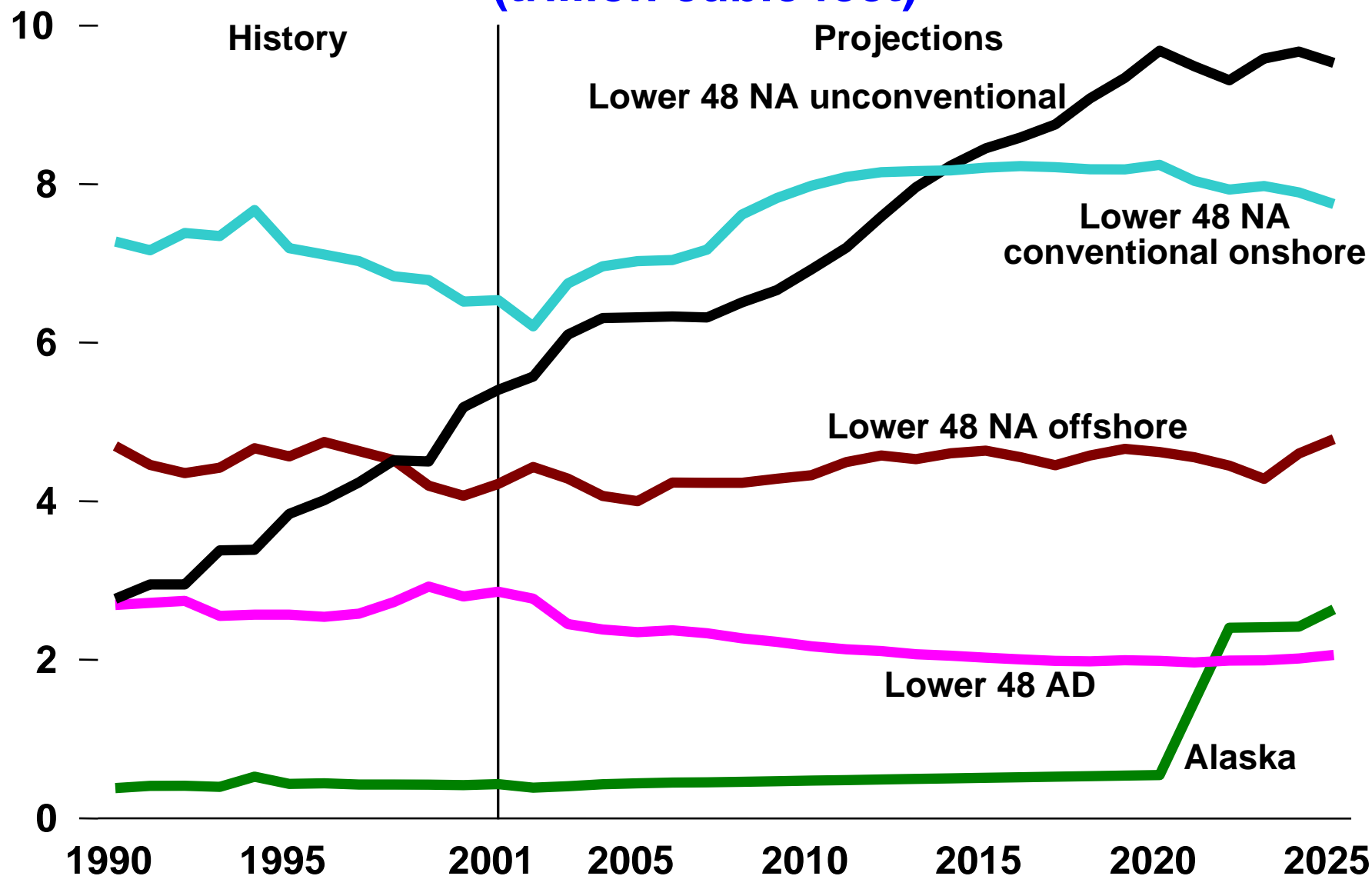


Total: 1,289 trillion cubic feet

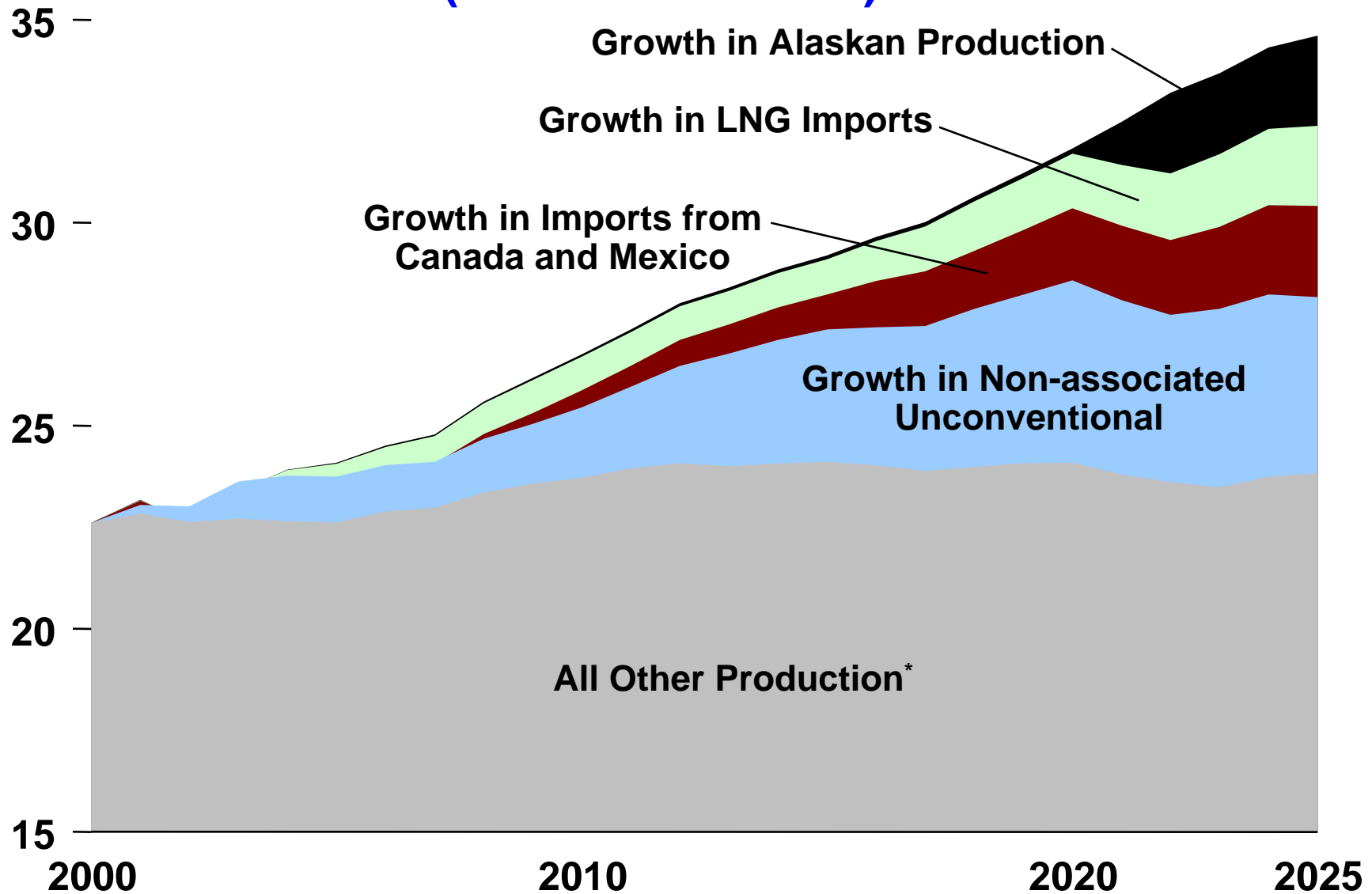


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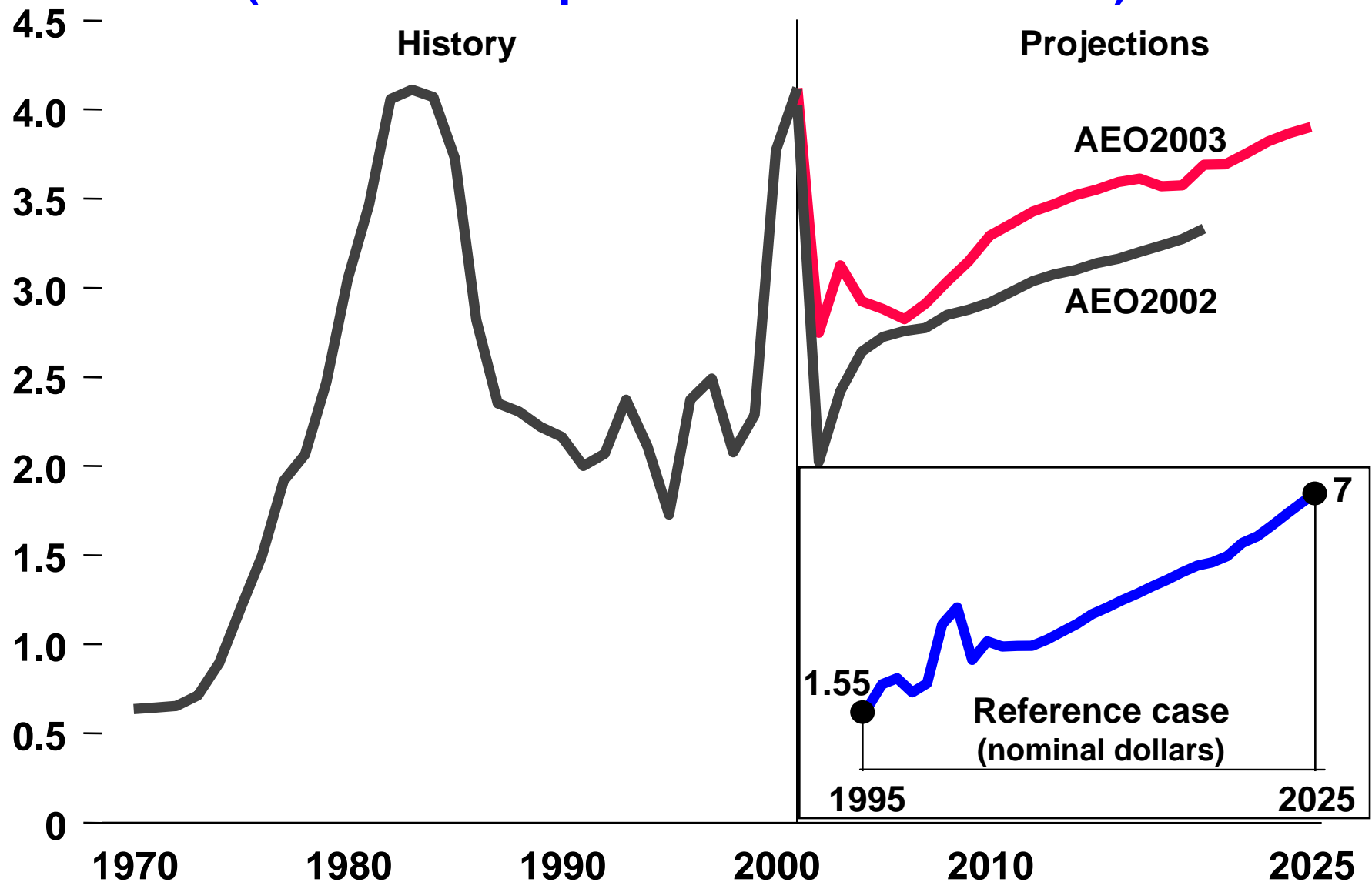
Natural Gas Production by Source, 1990-2025 (trillion cubic feet)



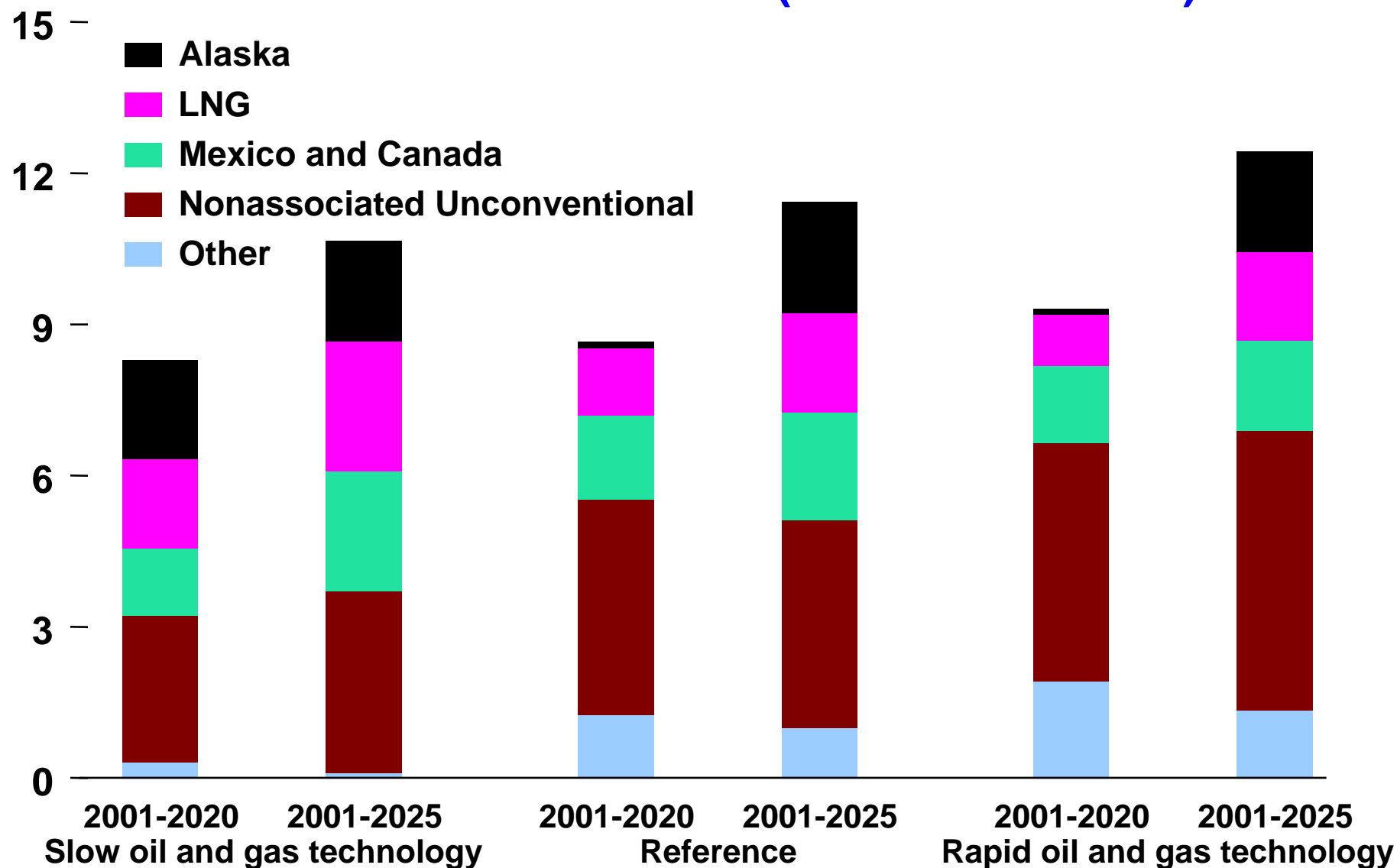
Natural Gas Supply Components, 2000-2025 (trillion cubic feet)



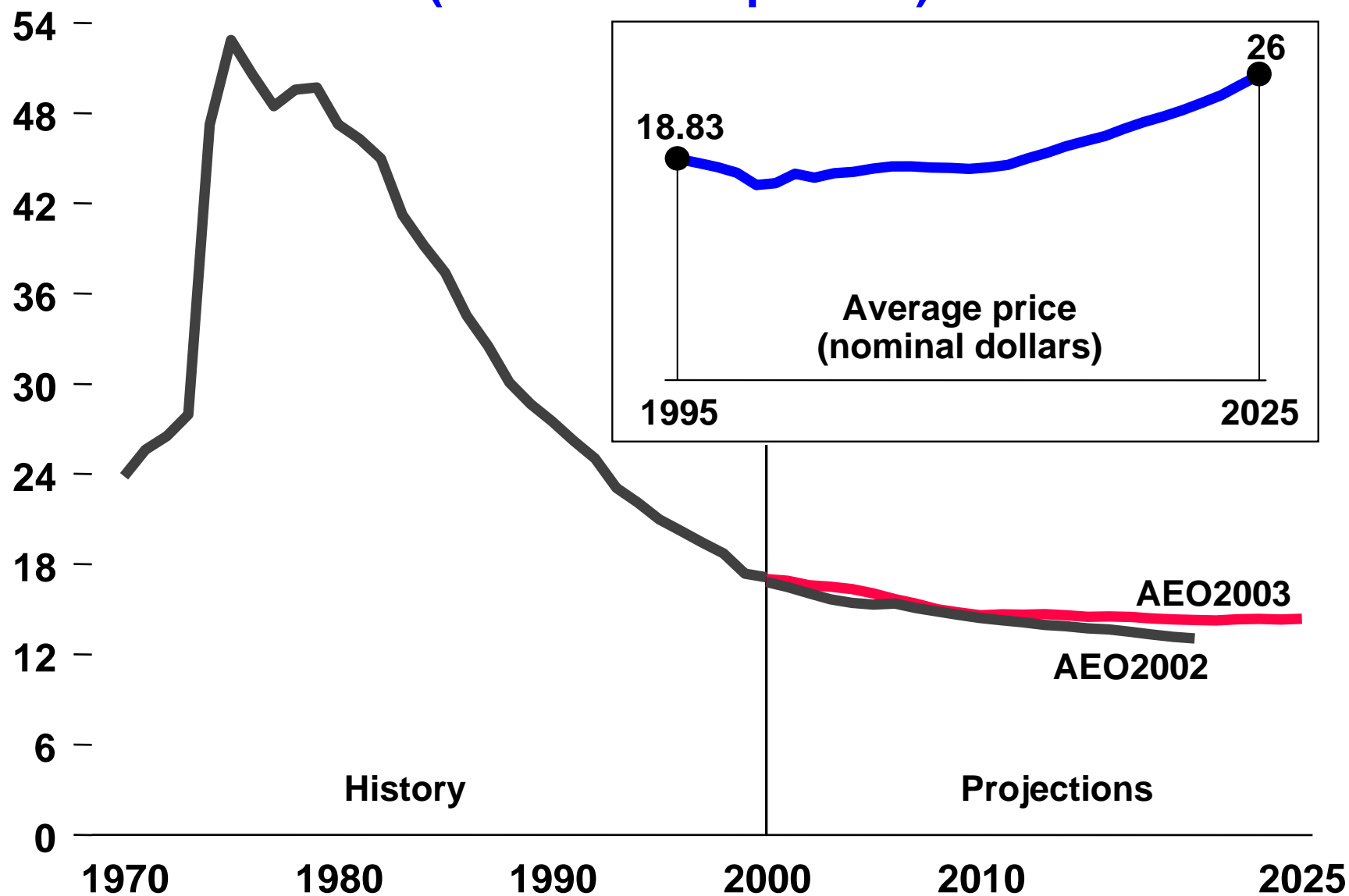
Natural Gas Wellhead Price, 1970-2025 (2001 dollars per thousand cubic feet)



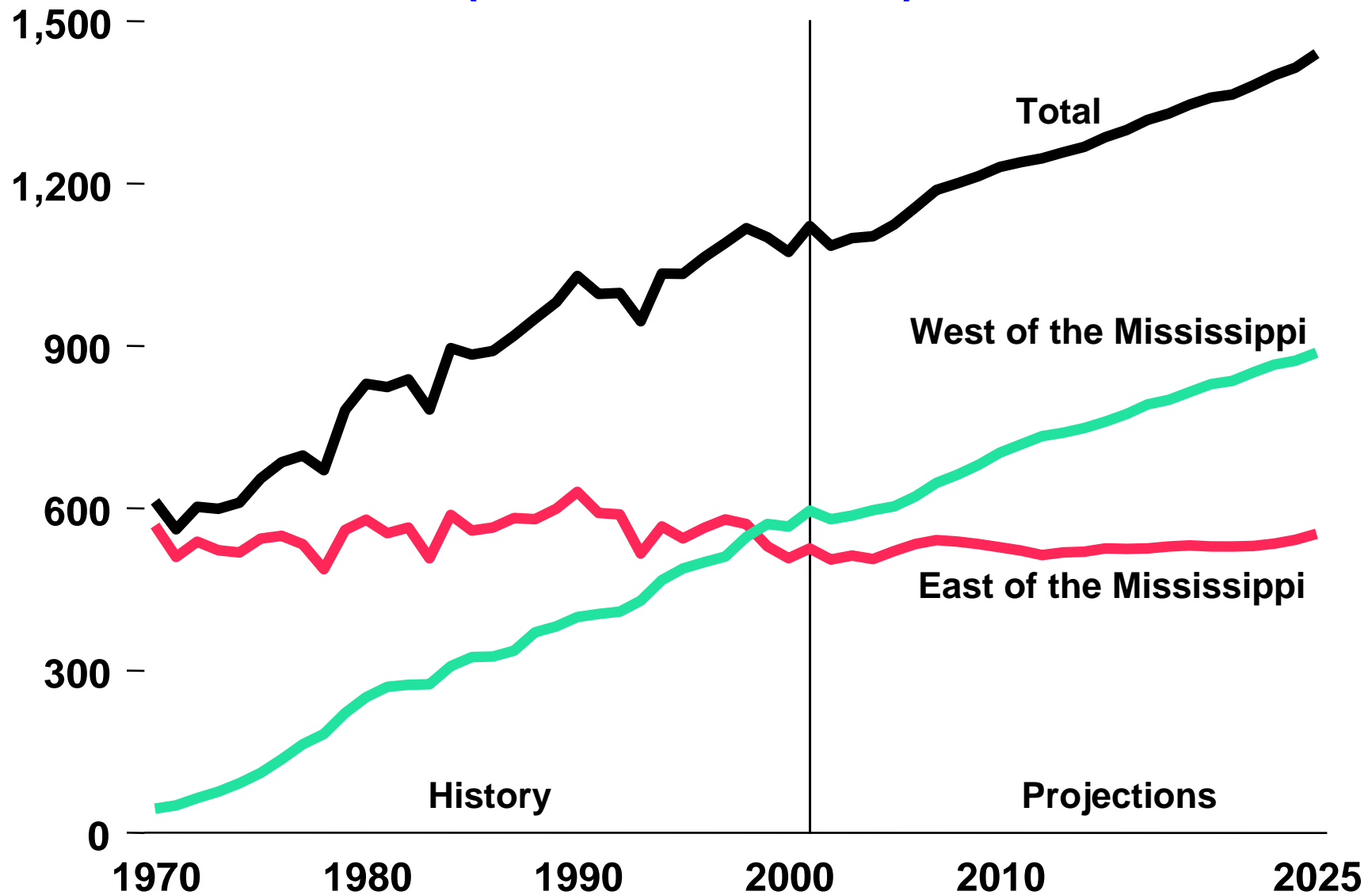
Major Sources of Incremental Natural Gas Supply, 2001-2020 and 2001-2025 (trillion cubic feet)



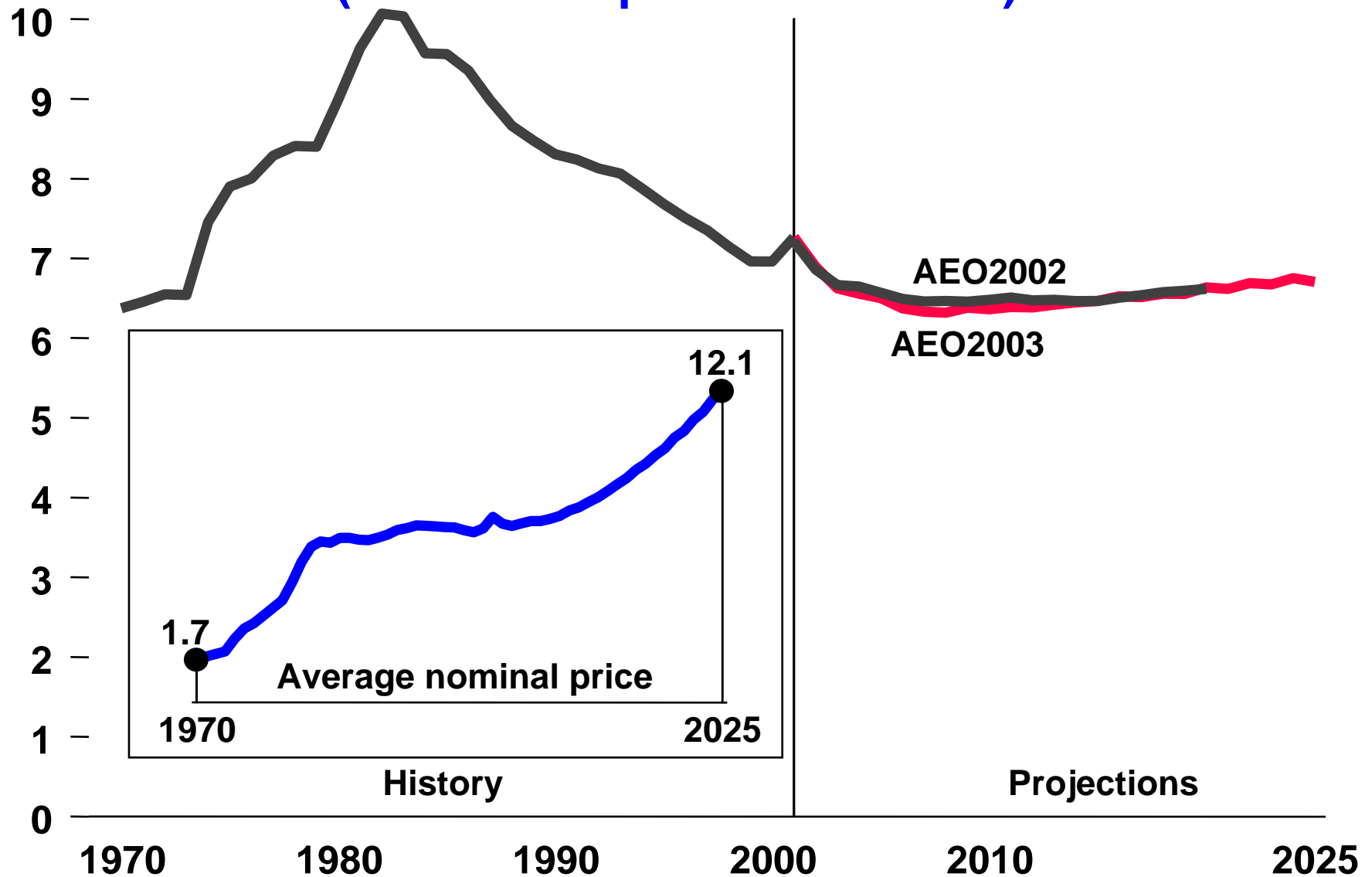
Coal Minemouth Price, 1970-2025 (2001 dollars per ton)



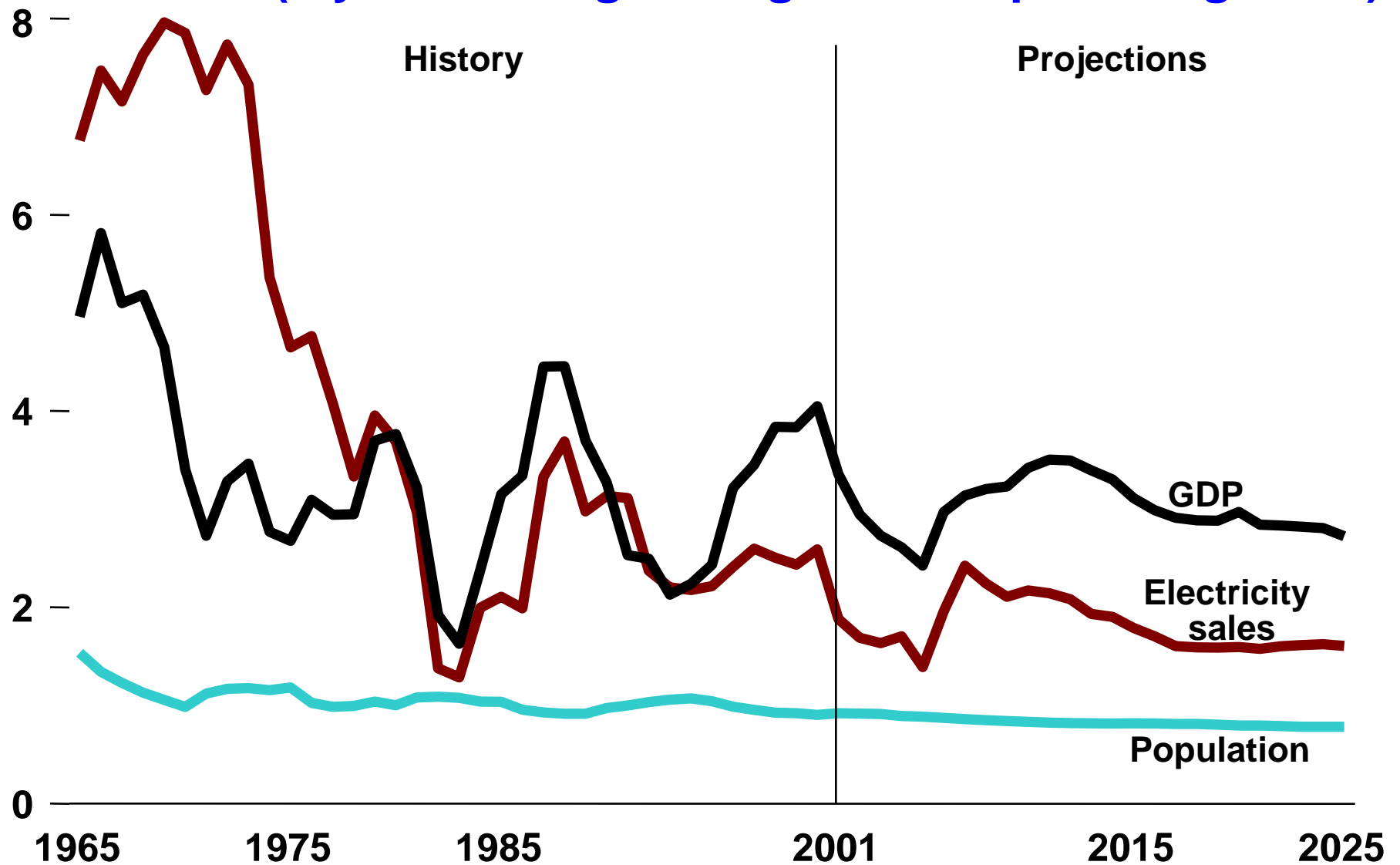
Coal Production by Region, 1970-2025 (million short tons)



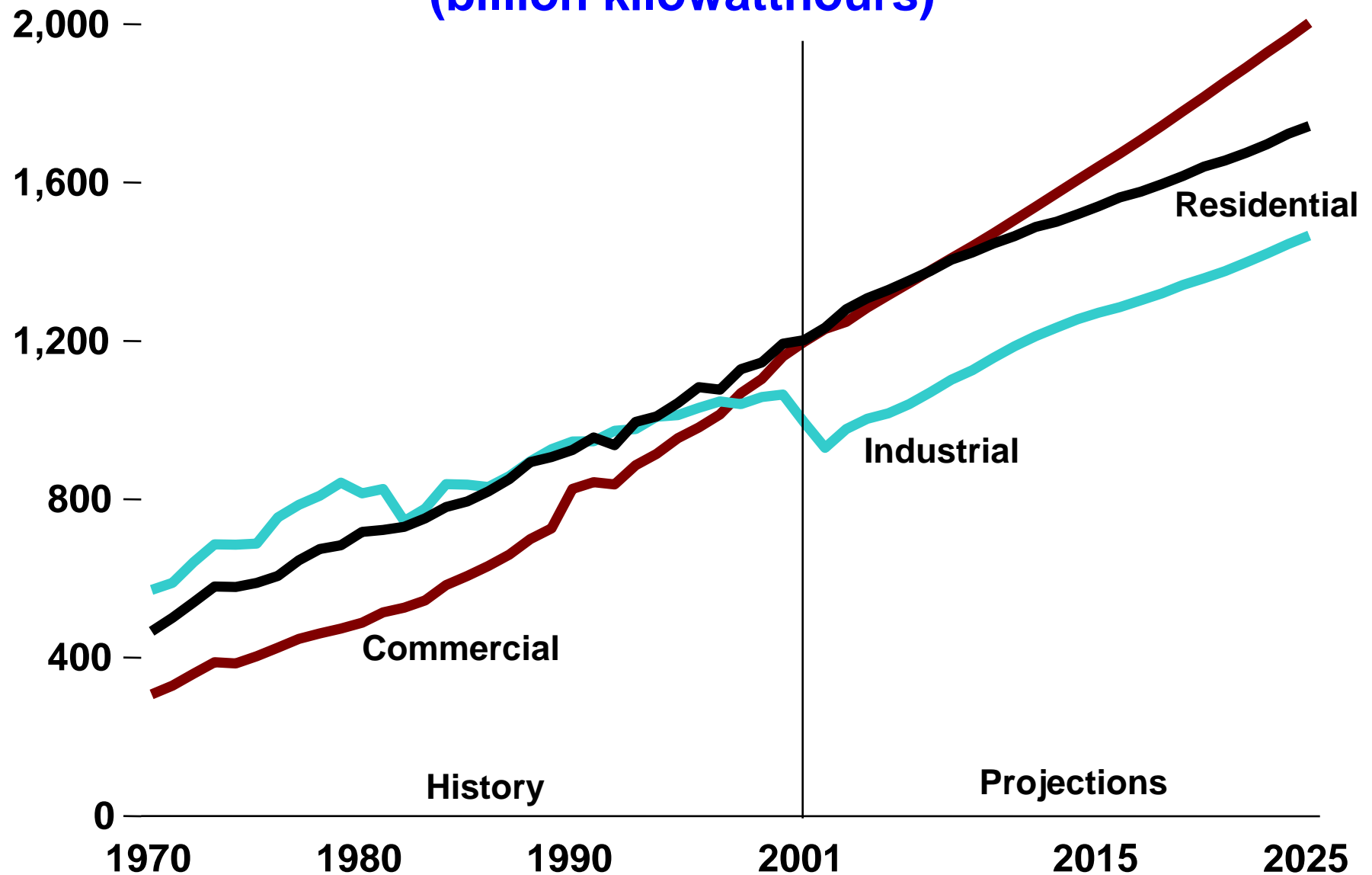
Electricity Price, 1970-2025 (2001 cents per kilowatthour)



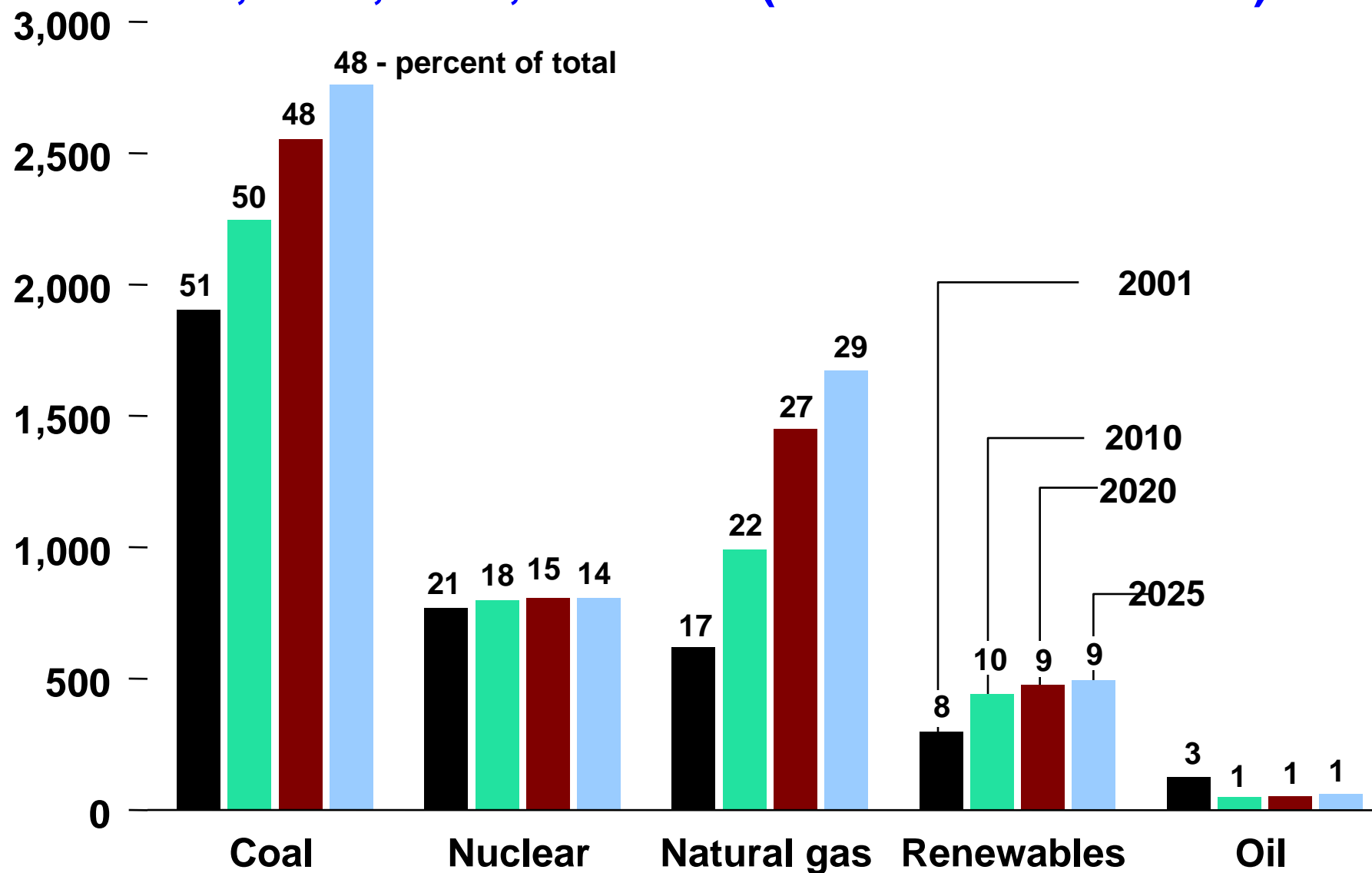
Population, Gross Domestic Product, and Electricity Sales, 1965-2025 (5-year moving average annual percent growth)



Annual Electricity Sales by Sector, 1970-2025 (billion kilowatthours)

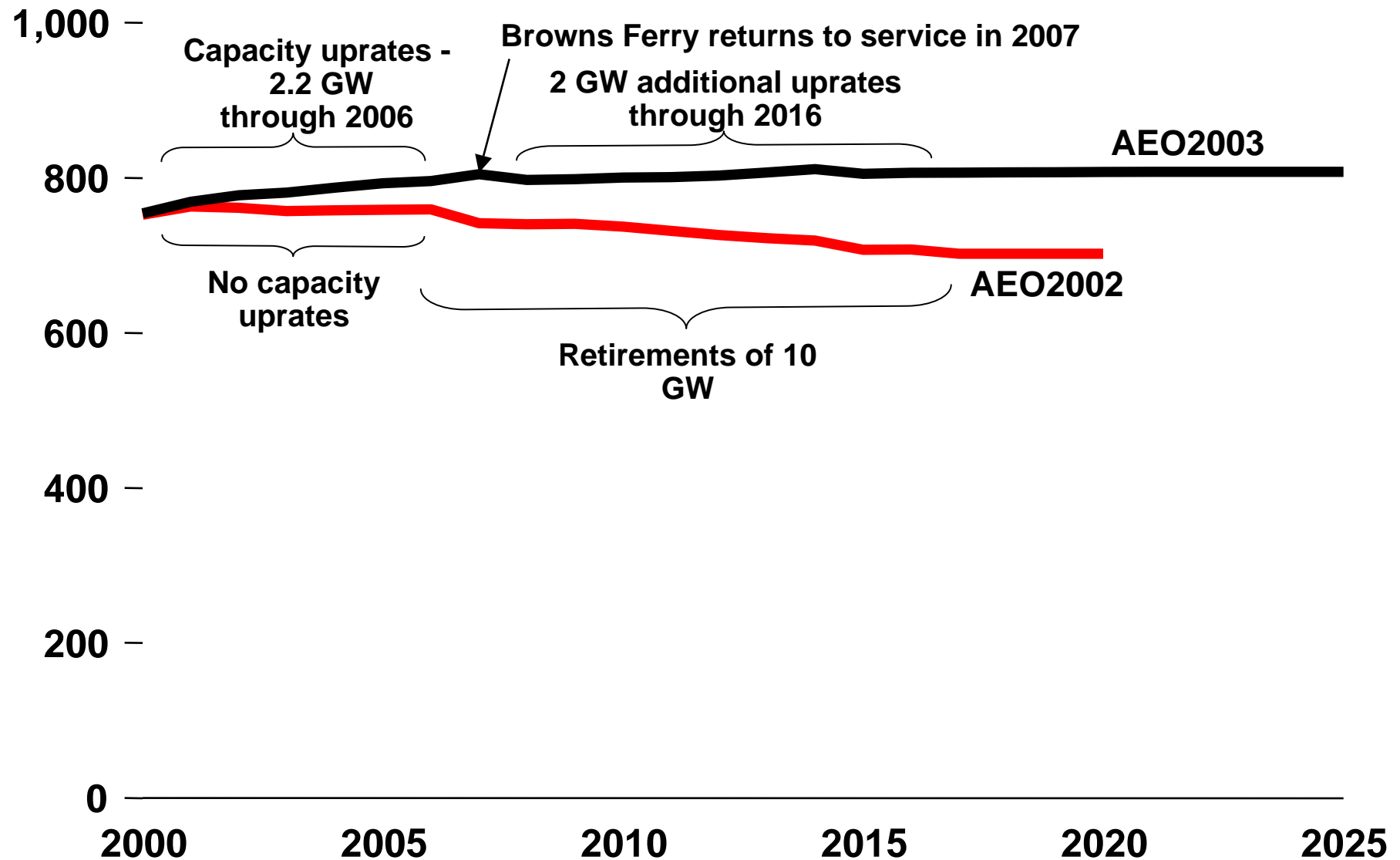


Projected Electricity Generation by Fuel, 2001, 2010, 2020, and 2025 (billion kilowatthours)

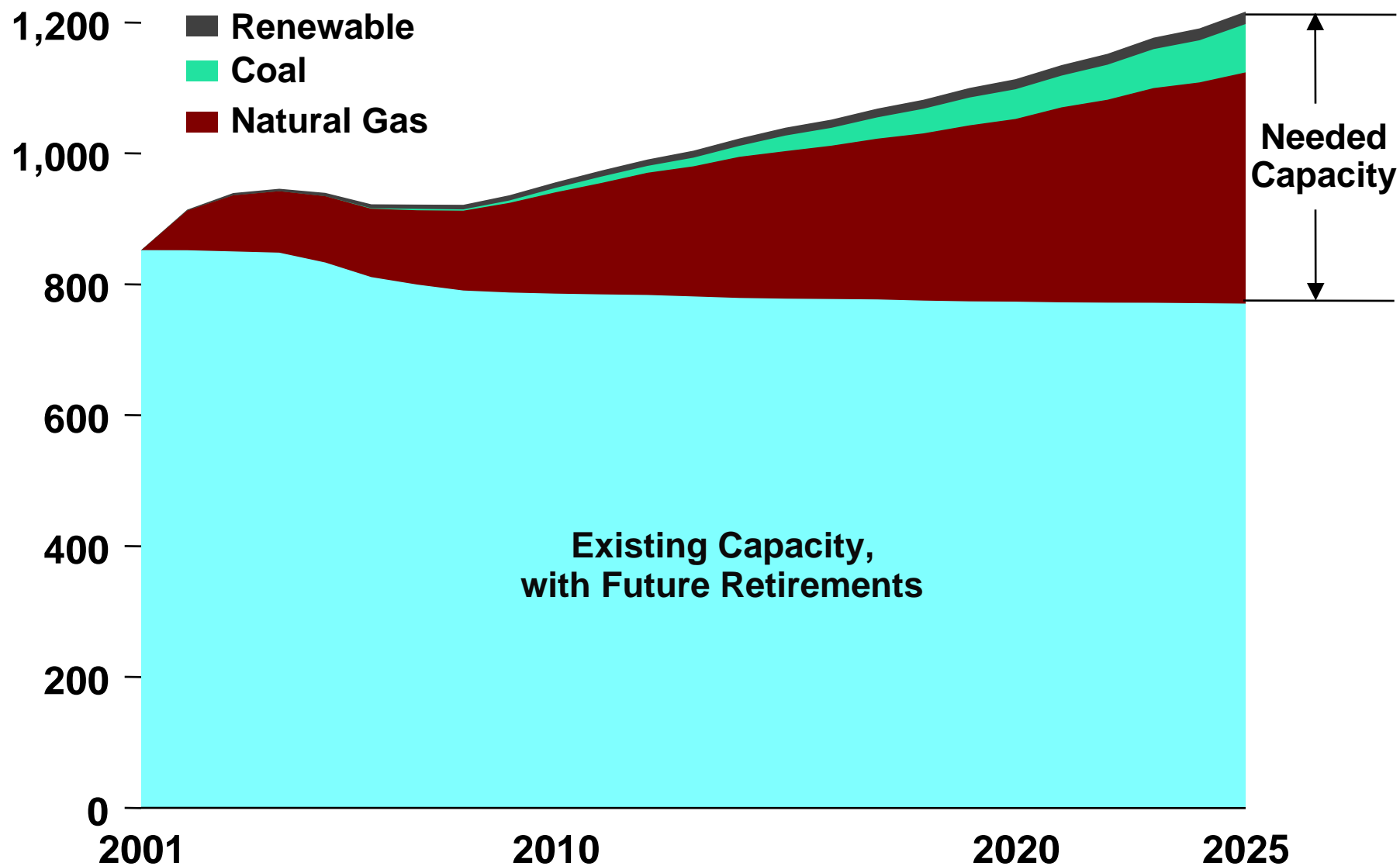


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Nuclear Generation, 2001-2025 (billion kilowatthours)

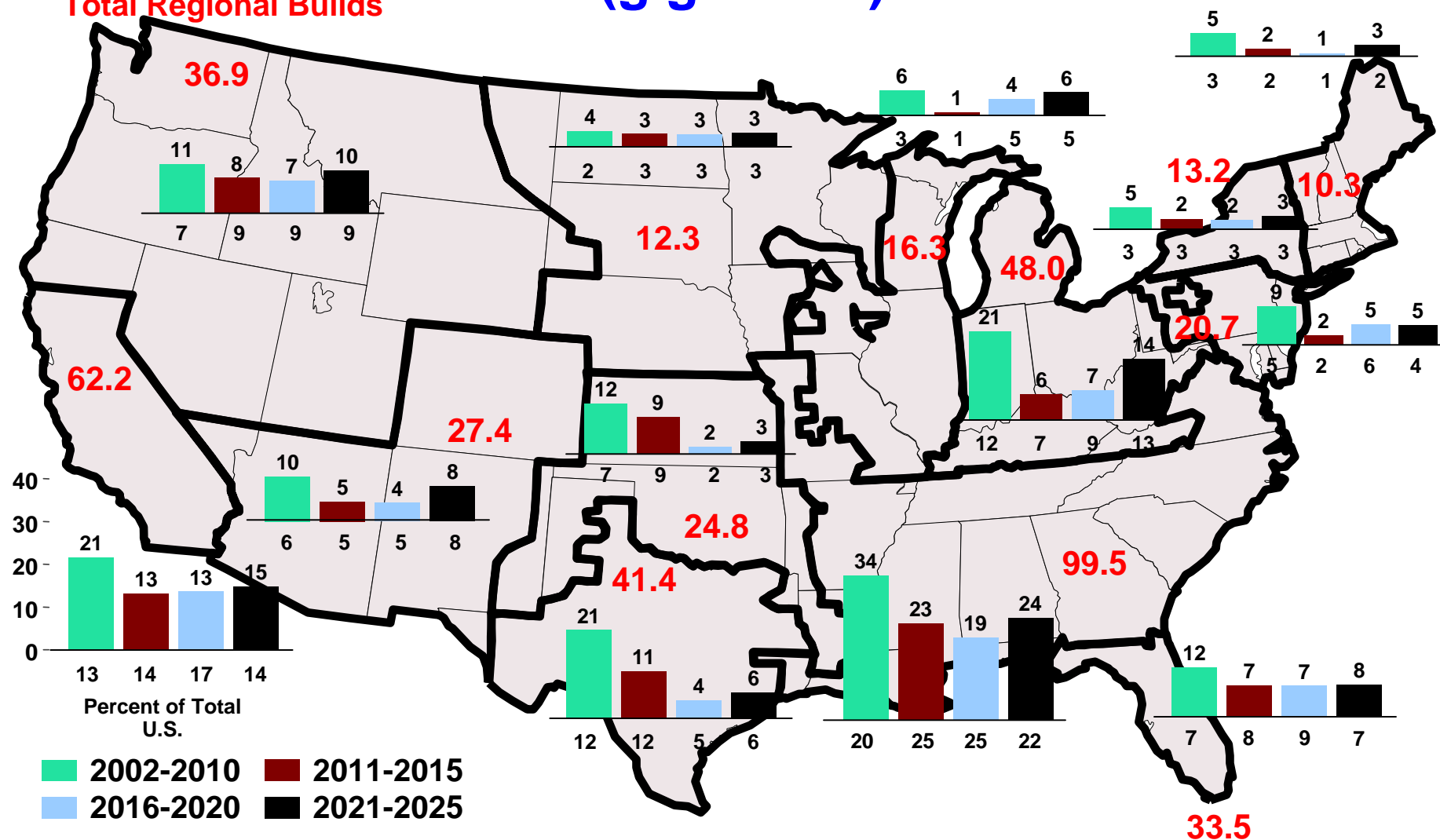


Electricity Capacity, 2001-2025 (gigawatts)

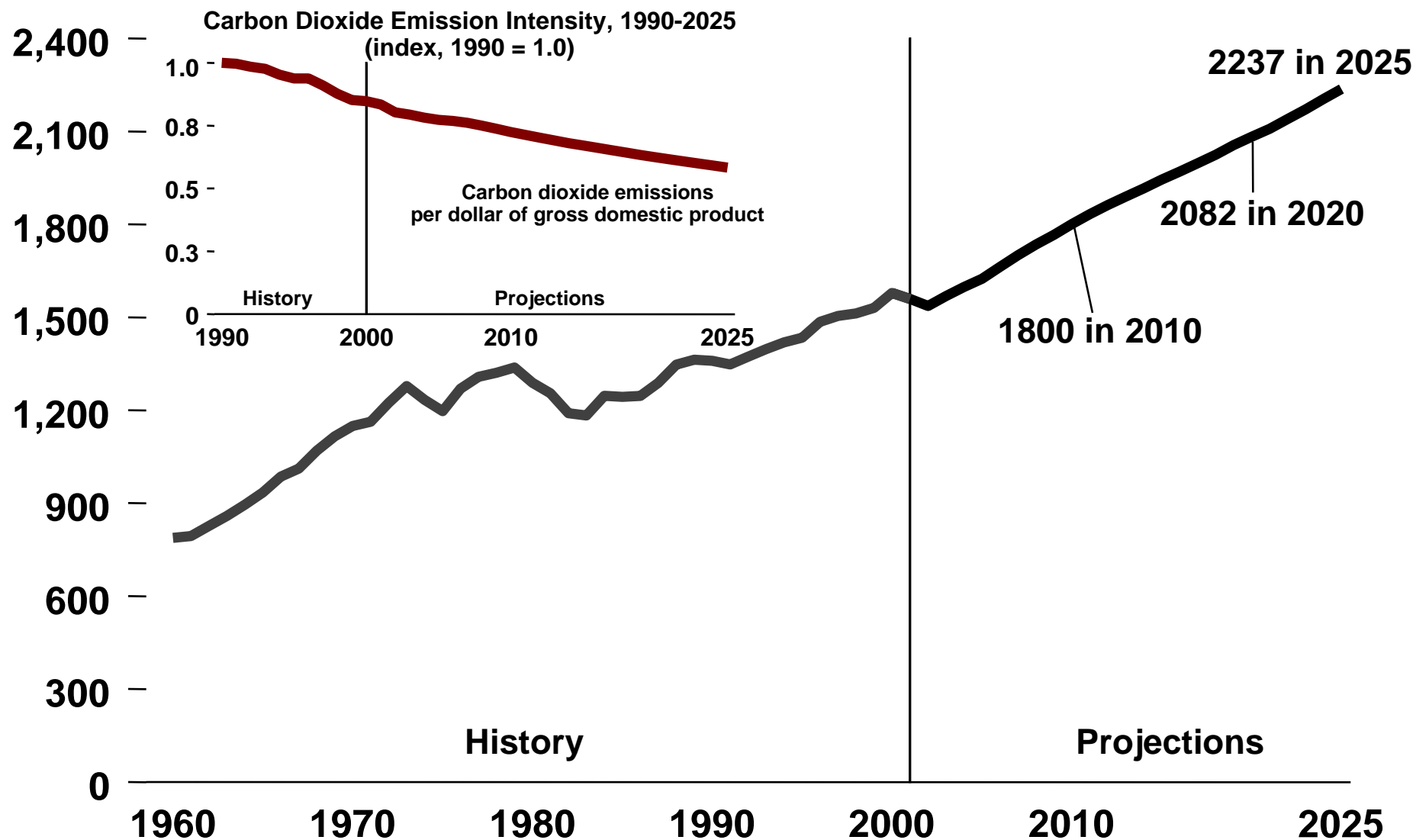


Electricity Generation Capacity Additions by North American Electric Reliability Council Region, 2002-2025 (gigawatts)

Total Regional Builds



Total Carbon Dioxide Emissions, 1960-2025 (million metric tons carbon equivalent)



Annual Energy Outlook 2003 indicates that over the next two decades....

- **U.S. energy demand will grow at an average annual rate of 1.5 percent**
- **The U.S. economy will grow at an average annual rate of 3.0 percent**
- **The energy efficiency of the economy will increase at an average annual rate of 1.5 percent**
- **The real price of electricity will drop from 7.3 cents to 6.7 cents per kilowatthour**
- **U.S. oil import reliance will grow from 55 percent to 68 percent**
- **Carbon dioxide emissions will grow at an average annual rate of 1.5 percent**