

***The Future of Transportation Fuels
in the
Annual Energy Outlook 2008***

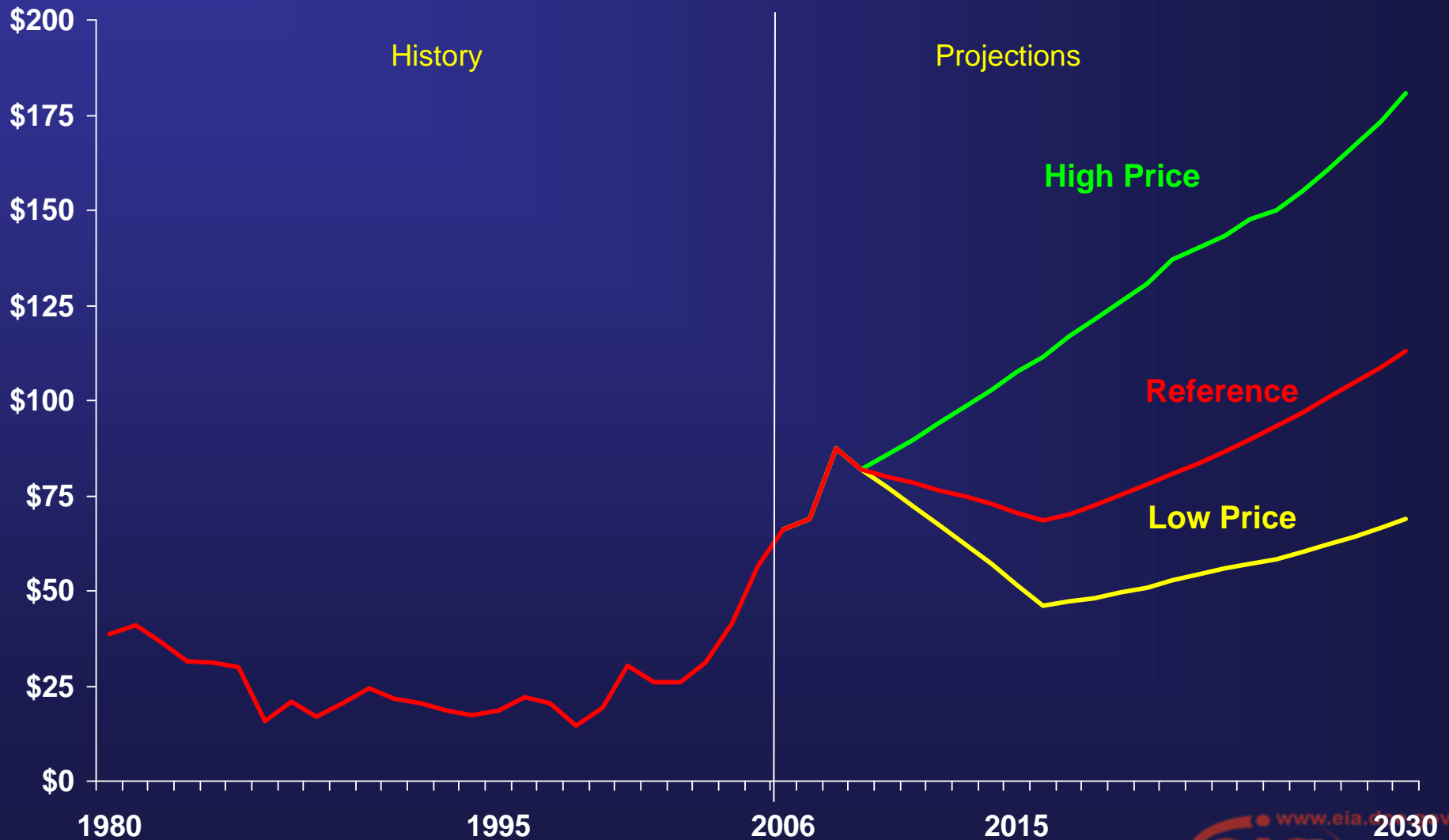
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2008 MIT NESCAUM Symposium on Urban Transportation

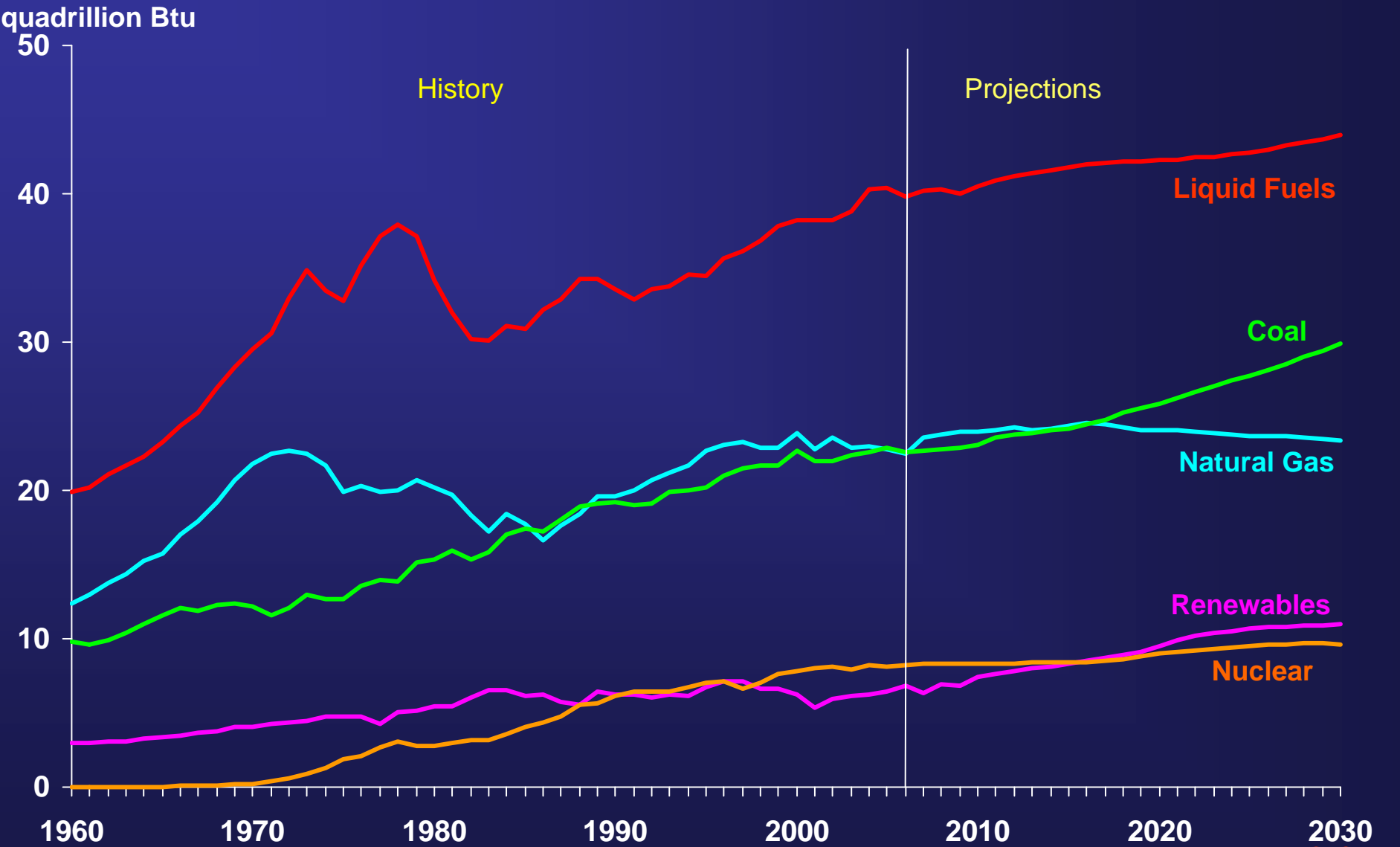
**Dedham, MA
August 12, 2008**

World oil prices are expected to decline than rise again

nominal dollars per barrel

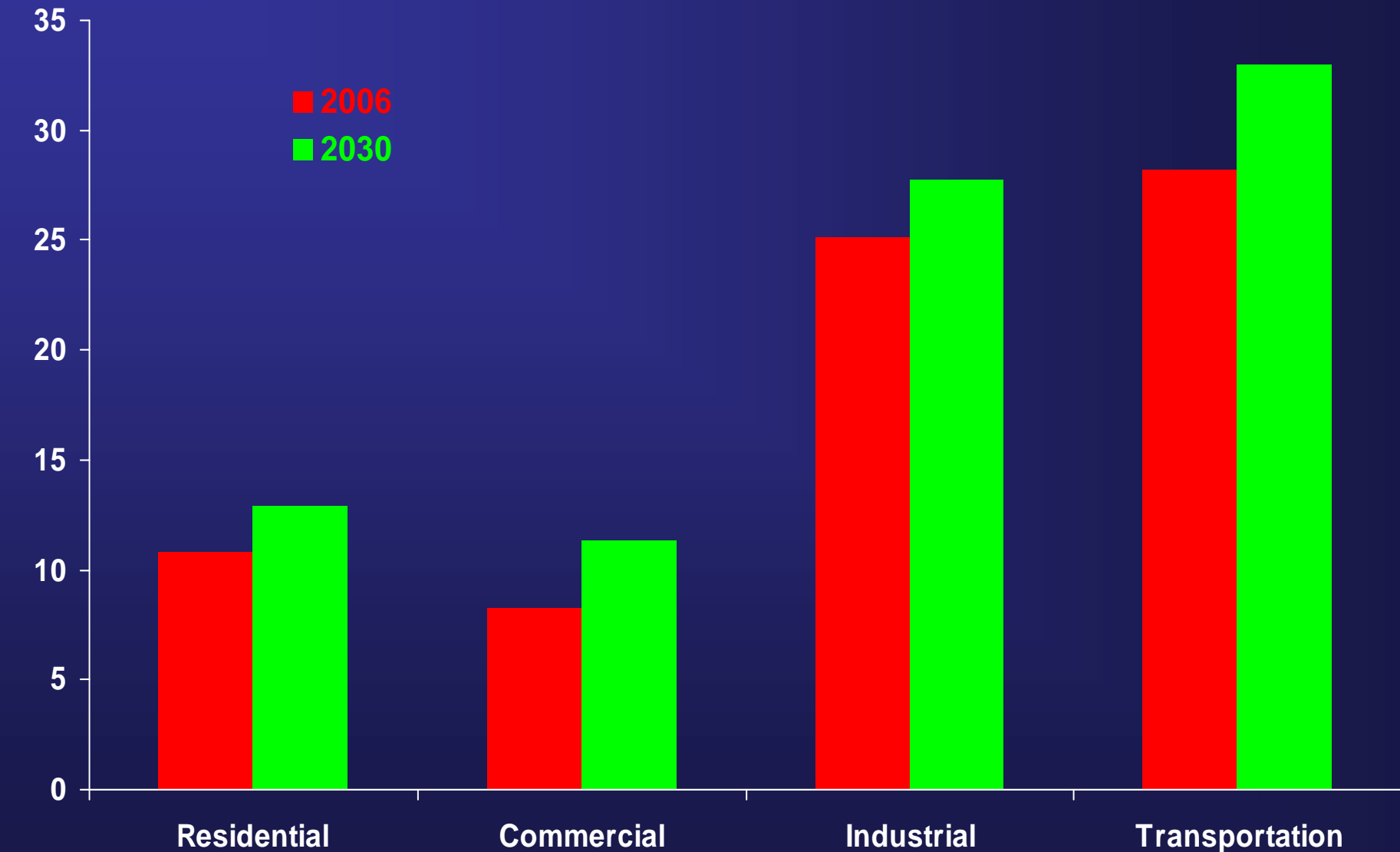


Liquid fuels continue to dominate primary energy consumption in the United States



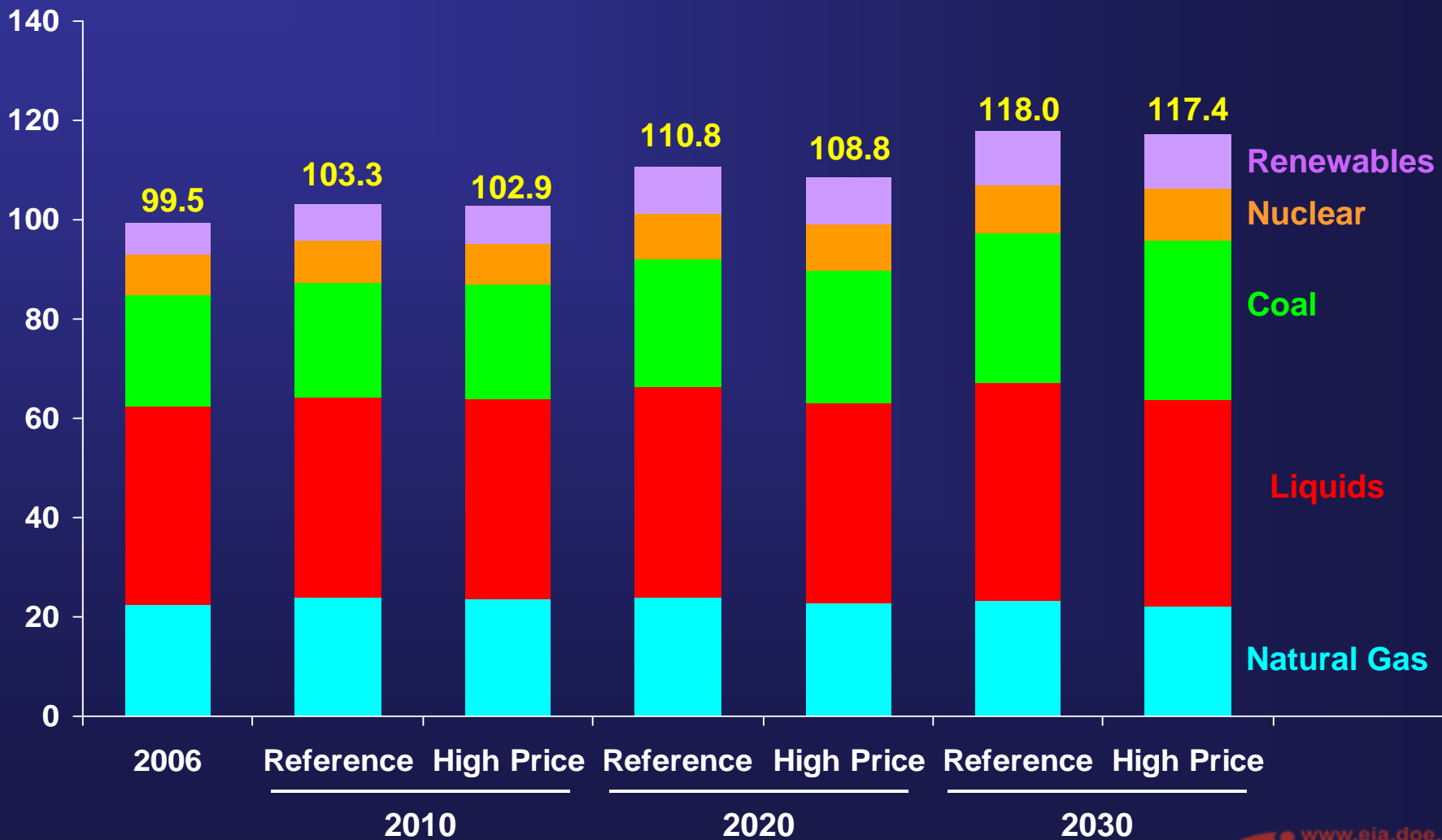
Transportation is the largest end-use consuming sector, although the commercial sector has the fastest growth

quadrillion Btu



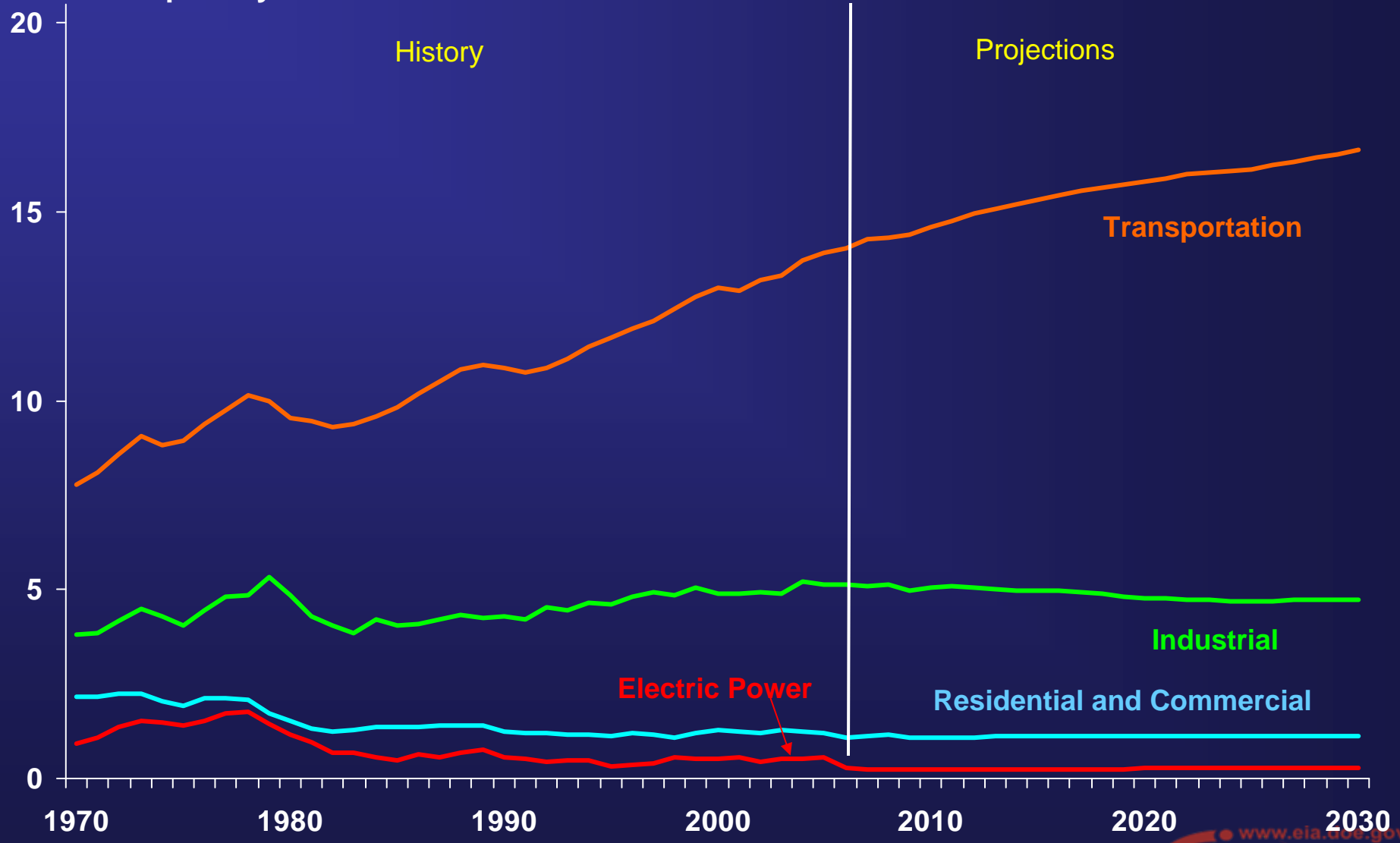
Higher energy prices reduce the demand for liquids and natural gas

quadrillion Btu



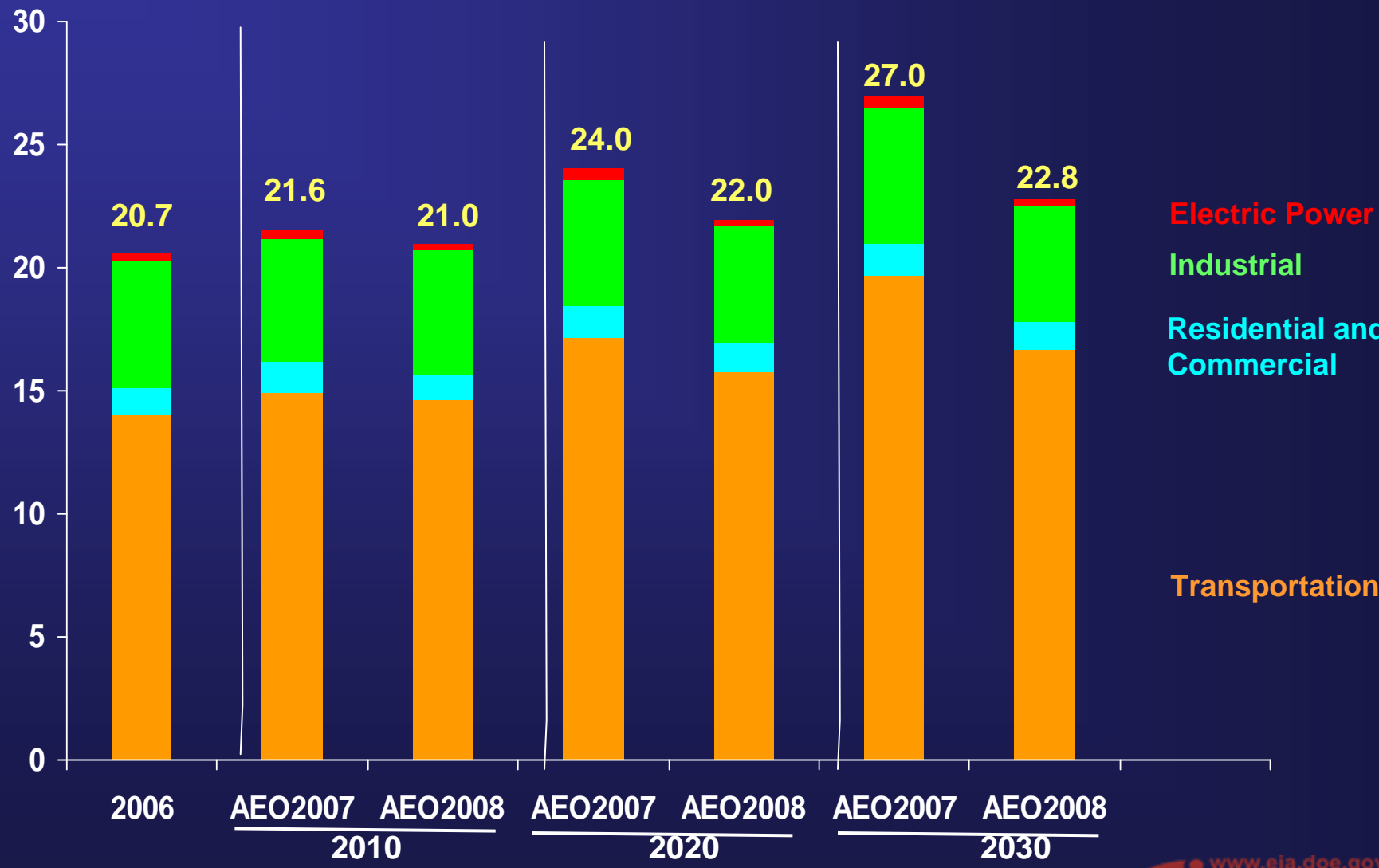
The transportation sector dominates liquid fuel consumption

million barrels per day



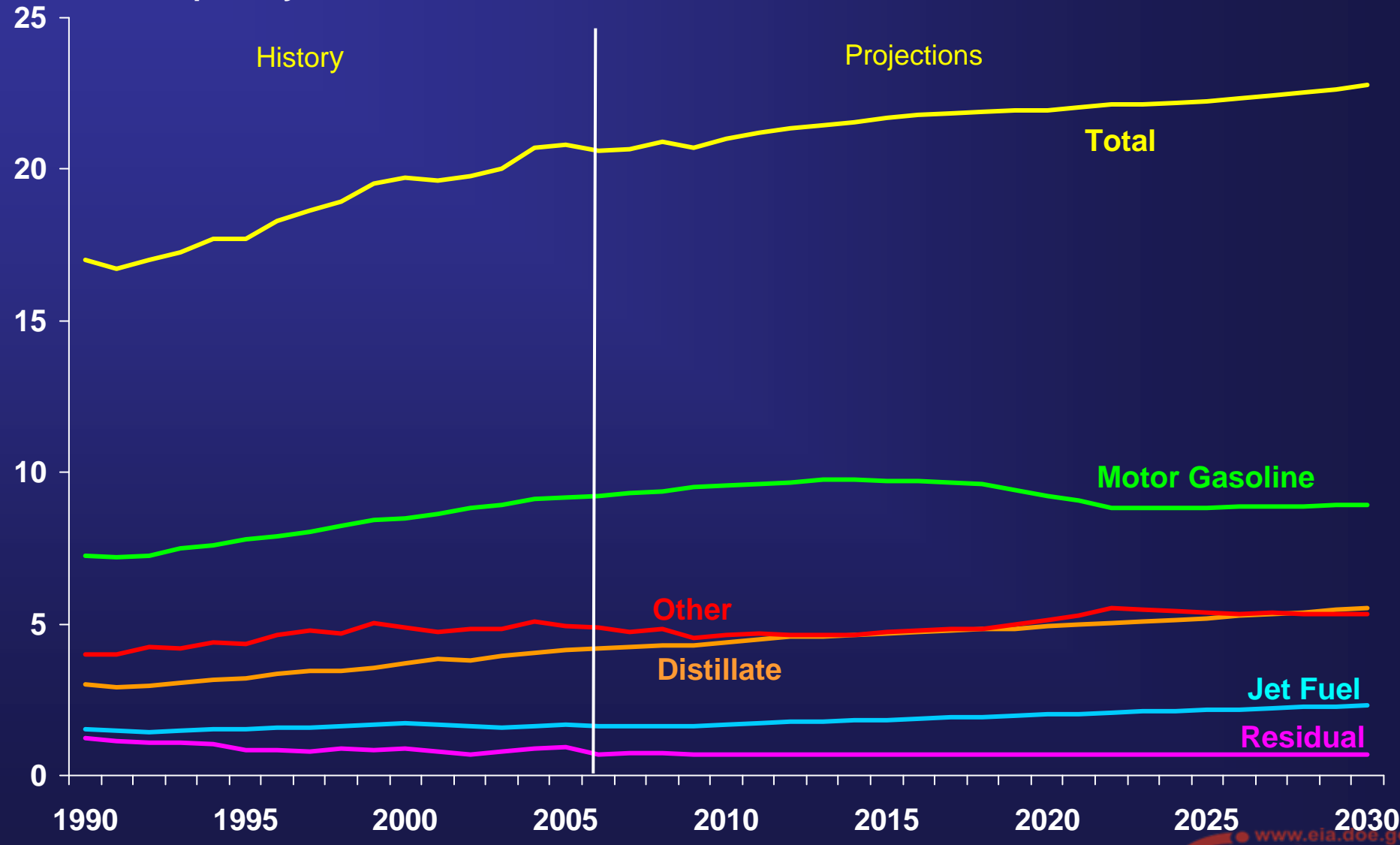
U.S. liquids consumption is much lower in AEO2008

million barrels per day



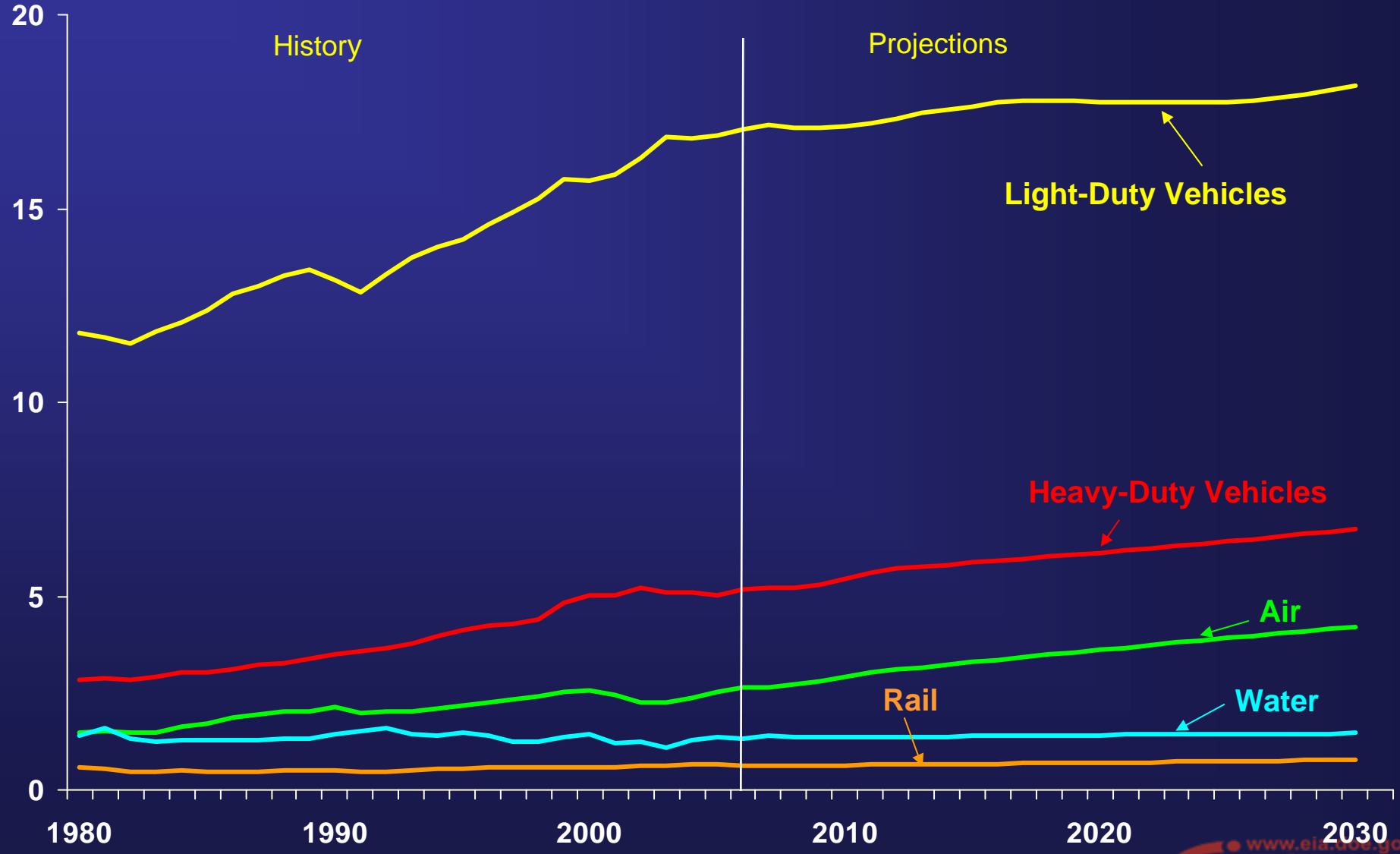
Motor gasoline is the predominate liquid fuel in the United States

million barrels per day



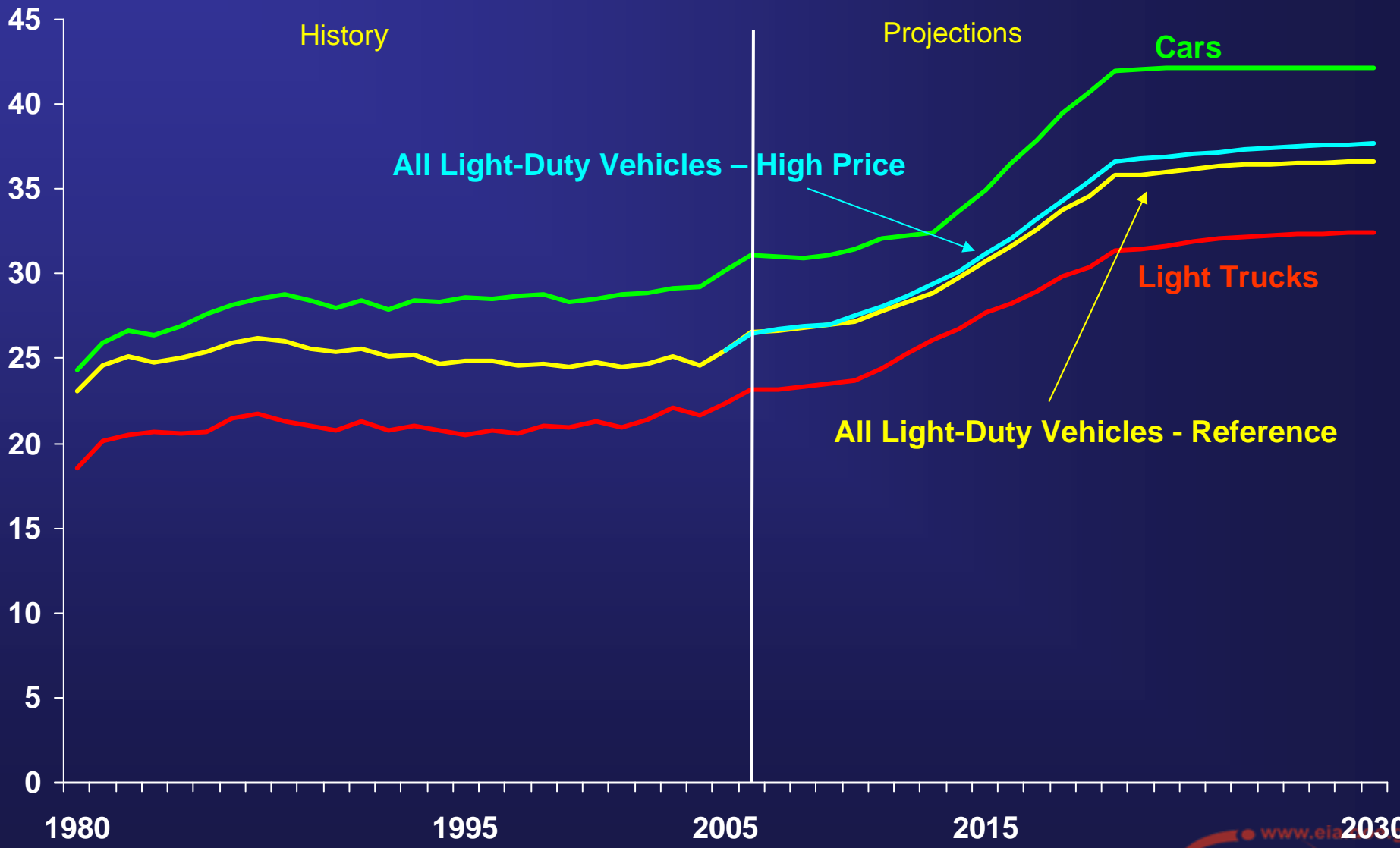
More than half of transportation energy use is for light-duty vehicles

quadrillion Btu



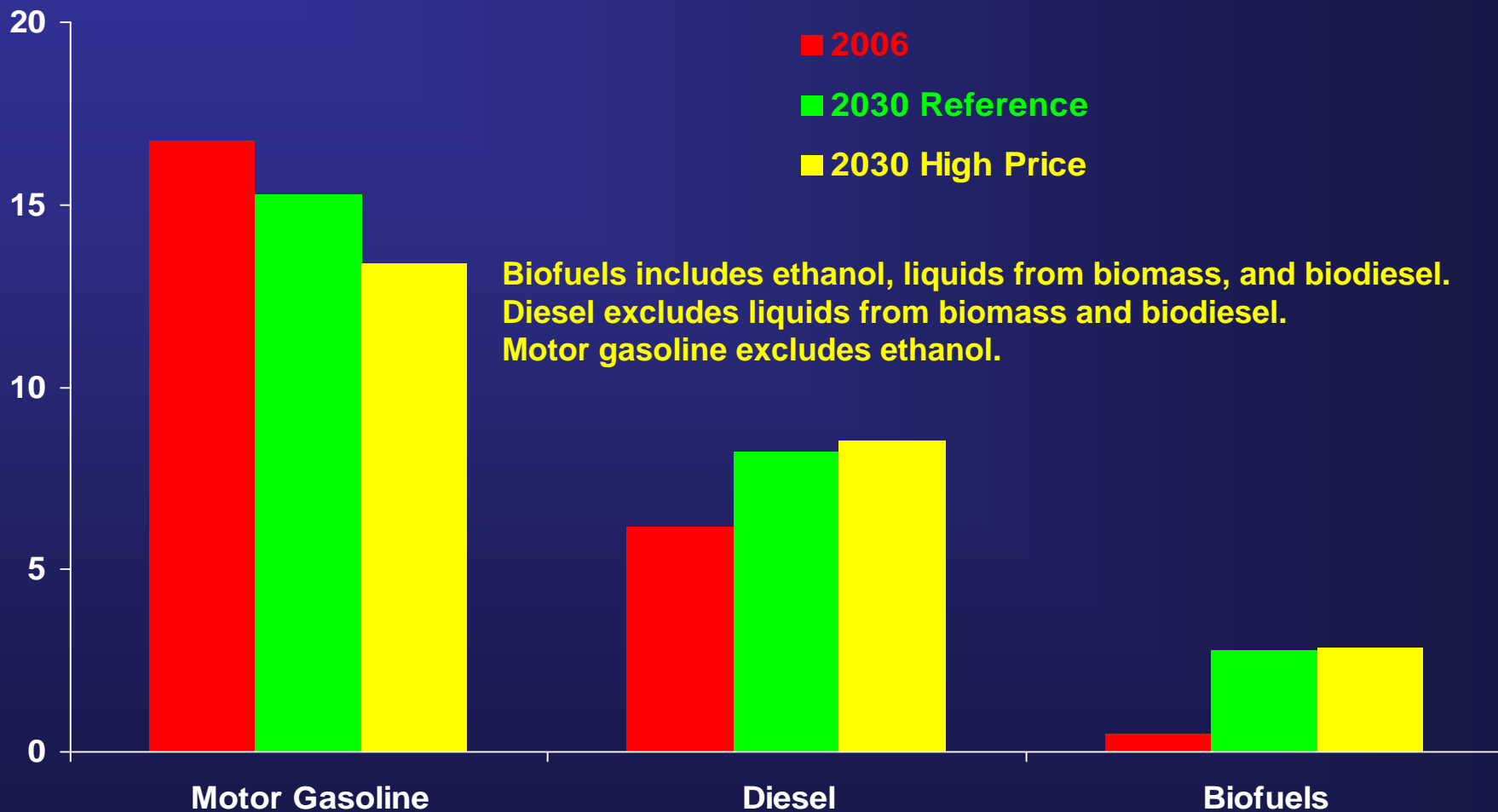
Average fuel economy of new light-duty vehicles is expected to reach 36.6 miles per gallon

miles per gallon



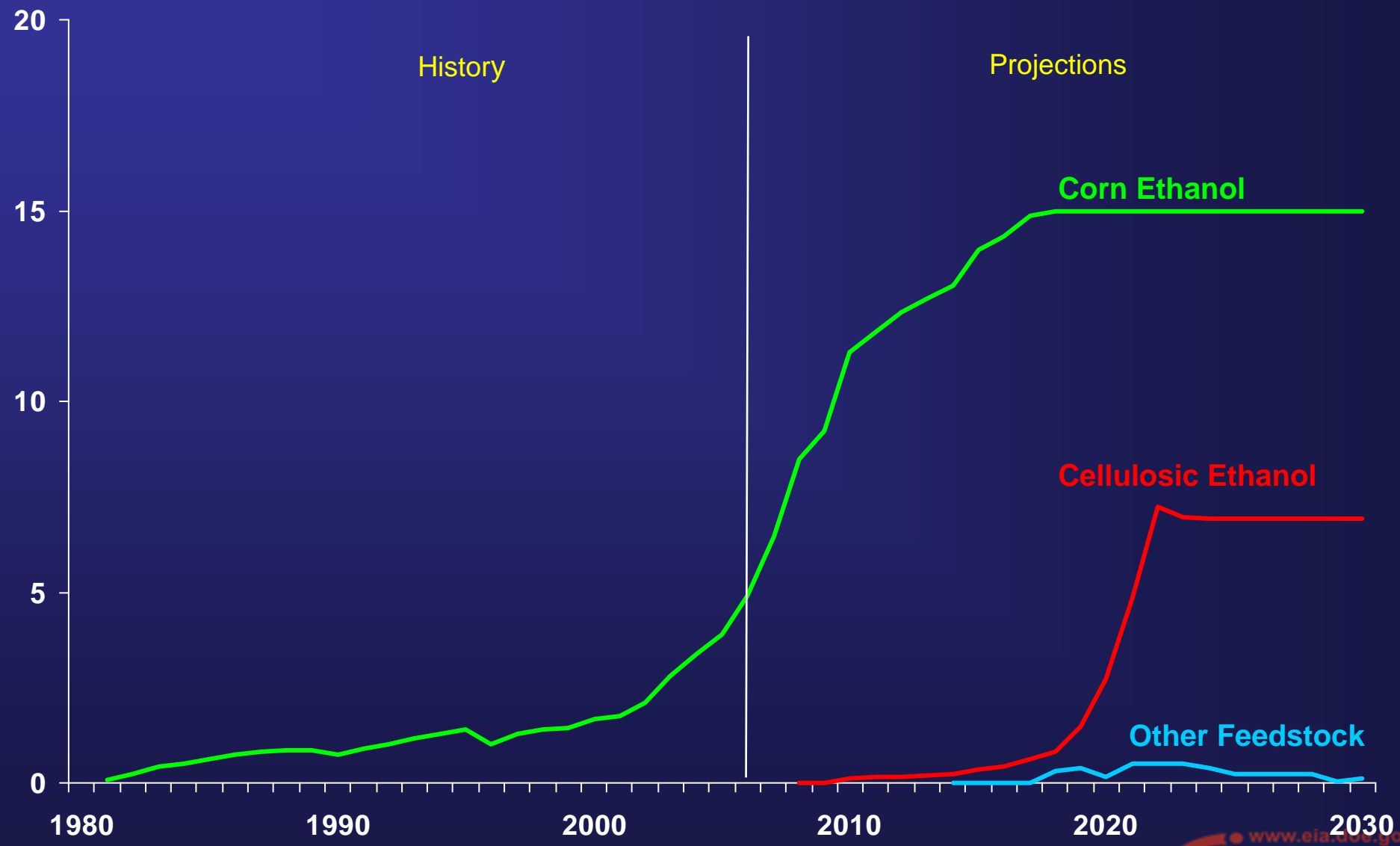
Transportation energy use shifts slightly from petroleum to biofuels

quadrillion Btu



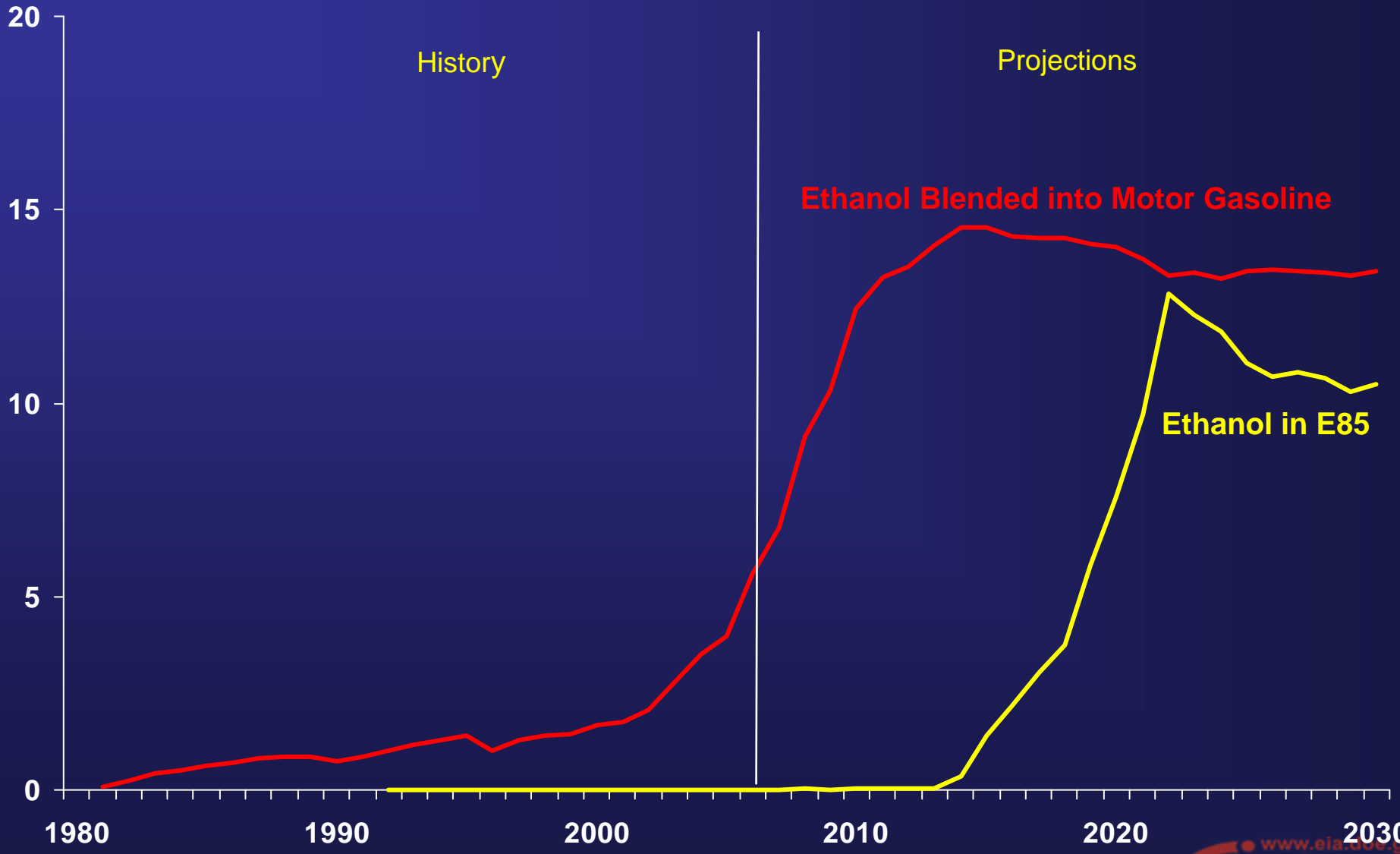
Corn ethanol dominates, but cellulosic ethanol gains

billion gallons



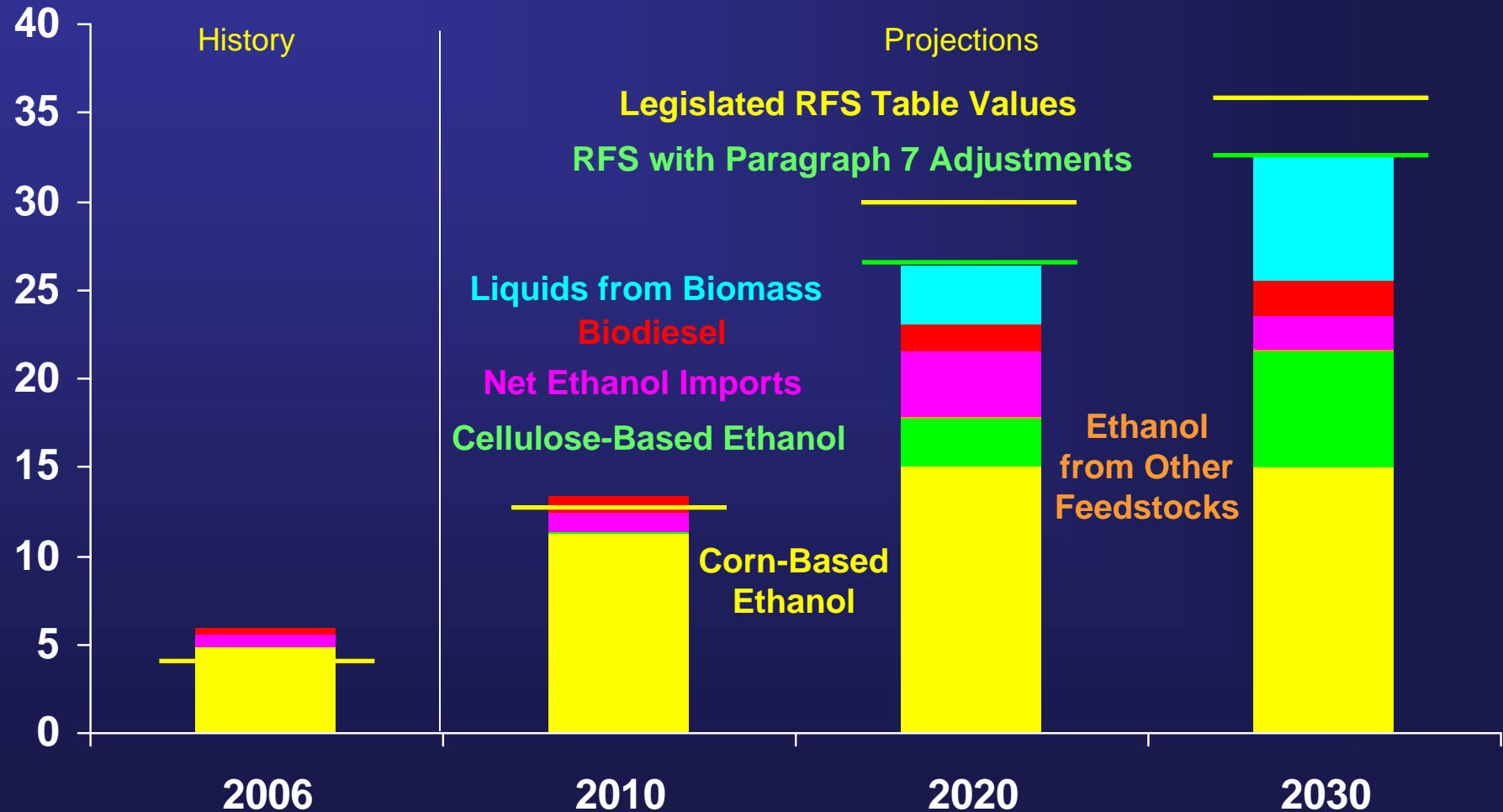
Most ethanol is blended into gasoline

billion gallons



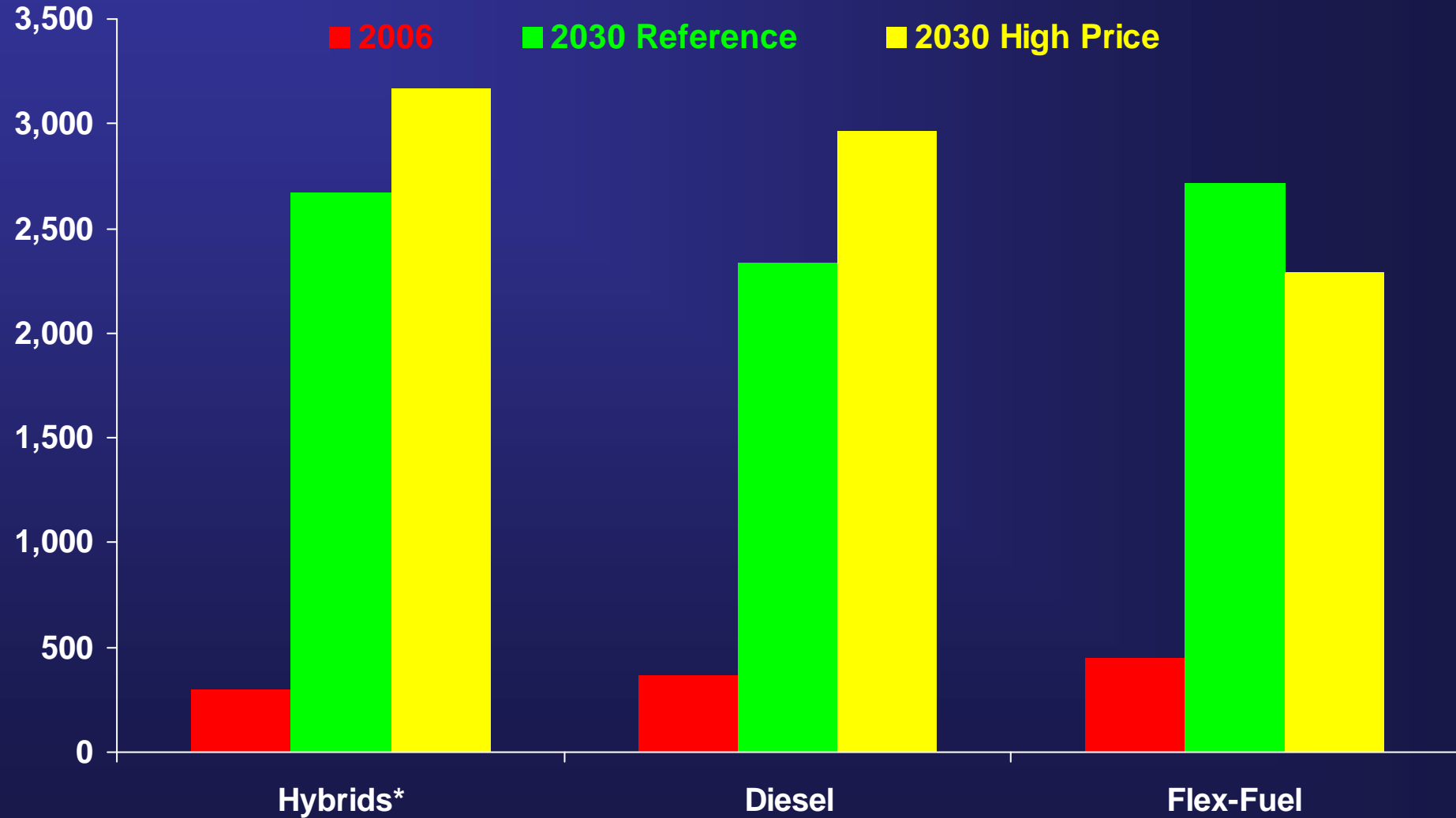
A variety of fuel sources supports the new renewable fuel standard

billion credits



Sales of full hybrids, diesel, and flex-fuel vehicles spur increases in fuel economy

thousand units

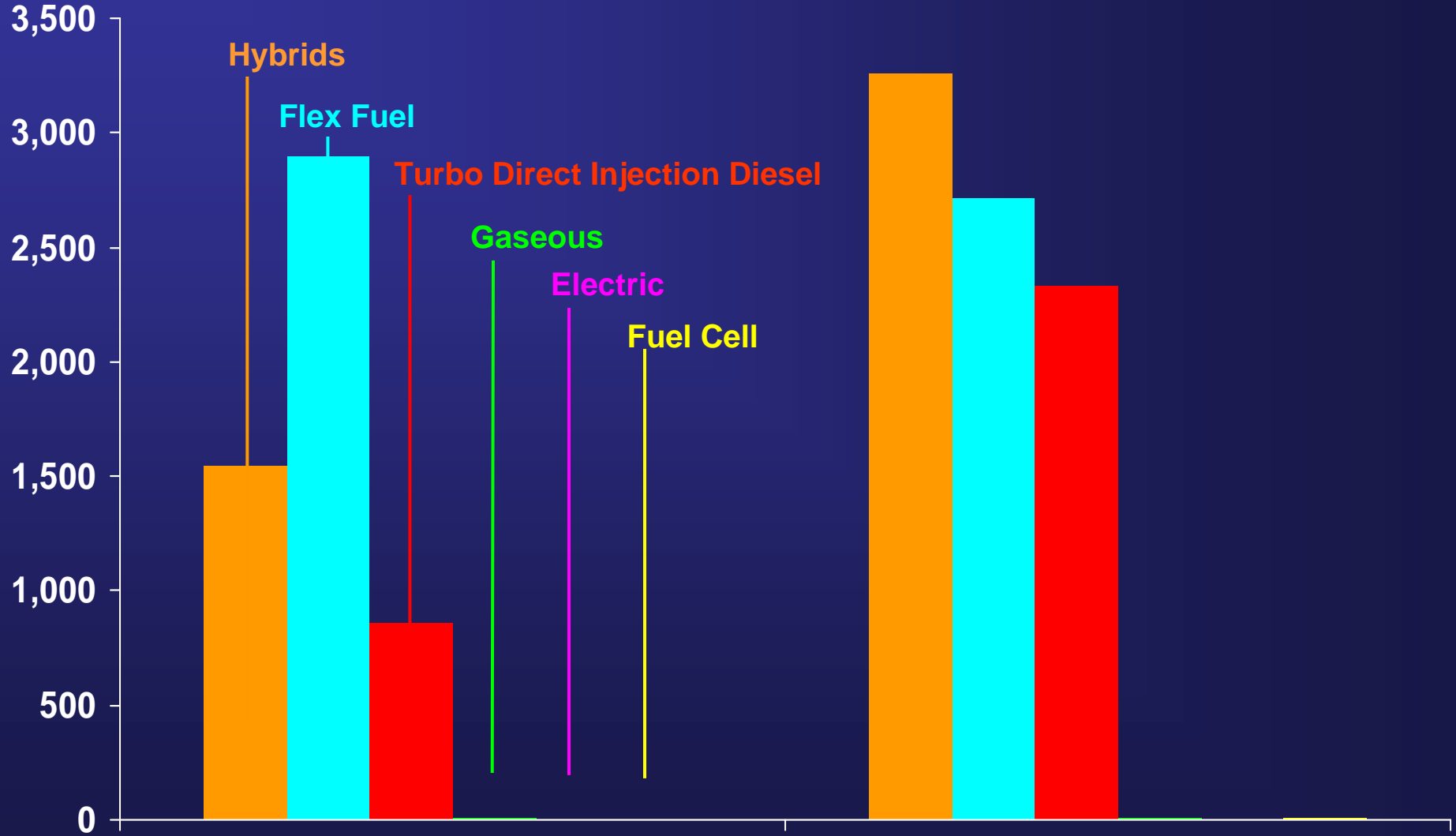


*Only includes hybrids that provide tractive power to the vehicle.



Unconventional light-duty vehicles constitute 45 percent of sales in 2030

thousand units



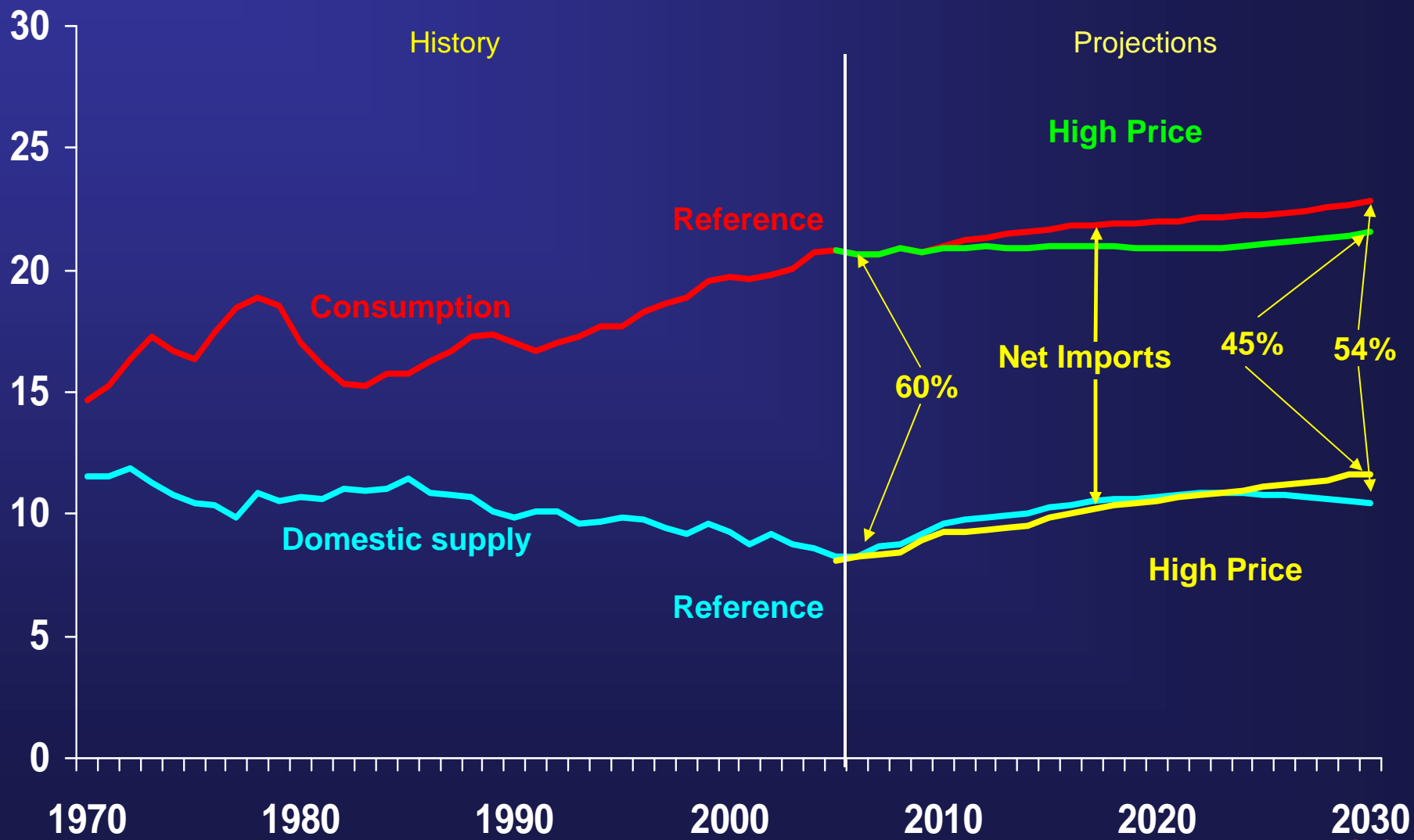
2015

2030



The net import share of liquids declines

million barrels per day



Periodic Reports

Petroleum Status and Natural Gas Storage Reports, weekly

Short-Term Energy Outlook, monthly

Annual Energy Outlook 2008, June 2008

International Energy Outlook 2008, June 2007, full report August 2008

Examples of Special Analyses

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

*Analysis of Crude Oil Production in the Arctic National Wildlife Refuge,
May 2008*

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*

*Energy Market and Economic Impacts of S.2191, the Lieberman-Warner Climate
Security Act of 2007, April 2008*

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