

Energy trends and outlook



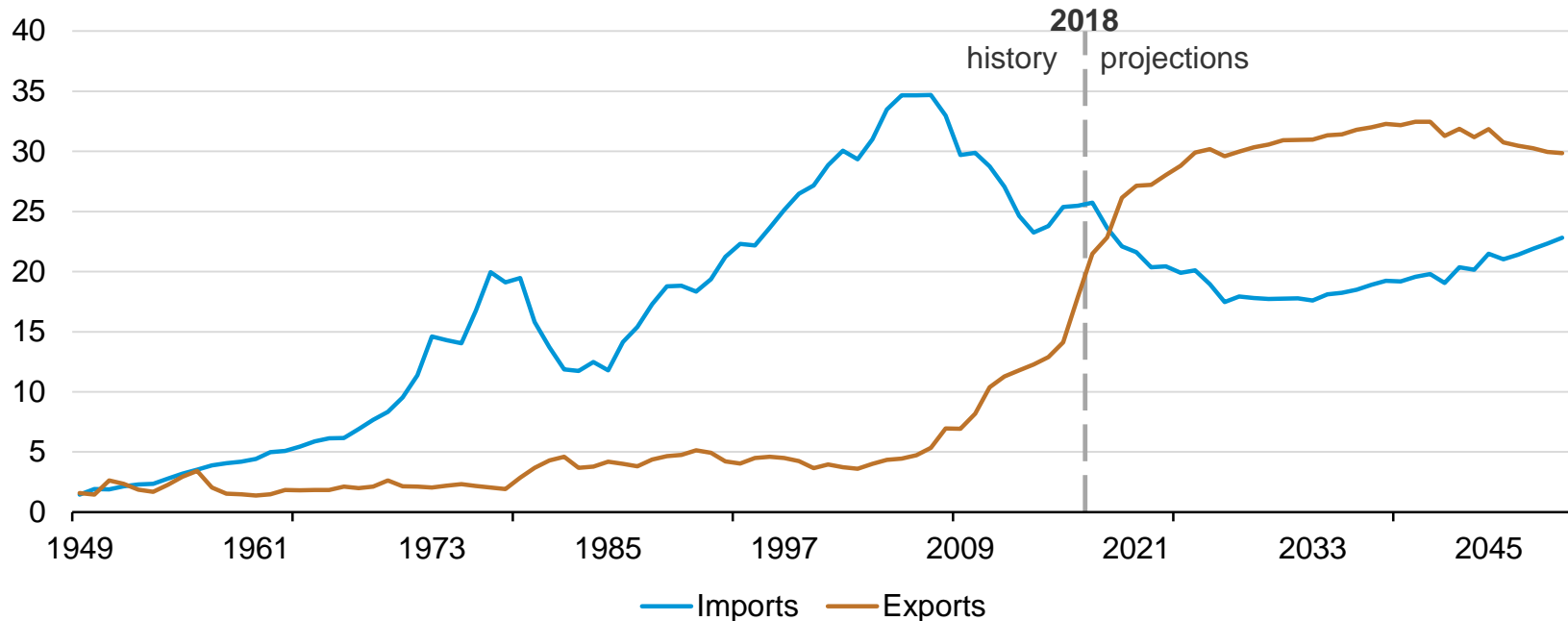
For
House Appropriations Committee
Subcommittee on Energy and Water Development
February 7, 2019 | Washington, DC

By
Dr. Linda Capuano, Administrator

Following decades of net energy imports, EIA forecasts that the United States will become a net energy exporter in 2020

Gross energy trade

Quadrillion British thermal units

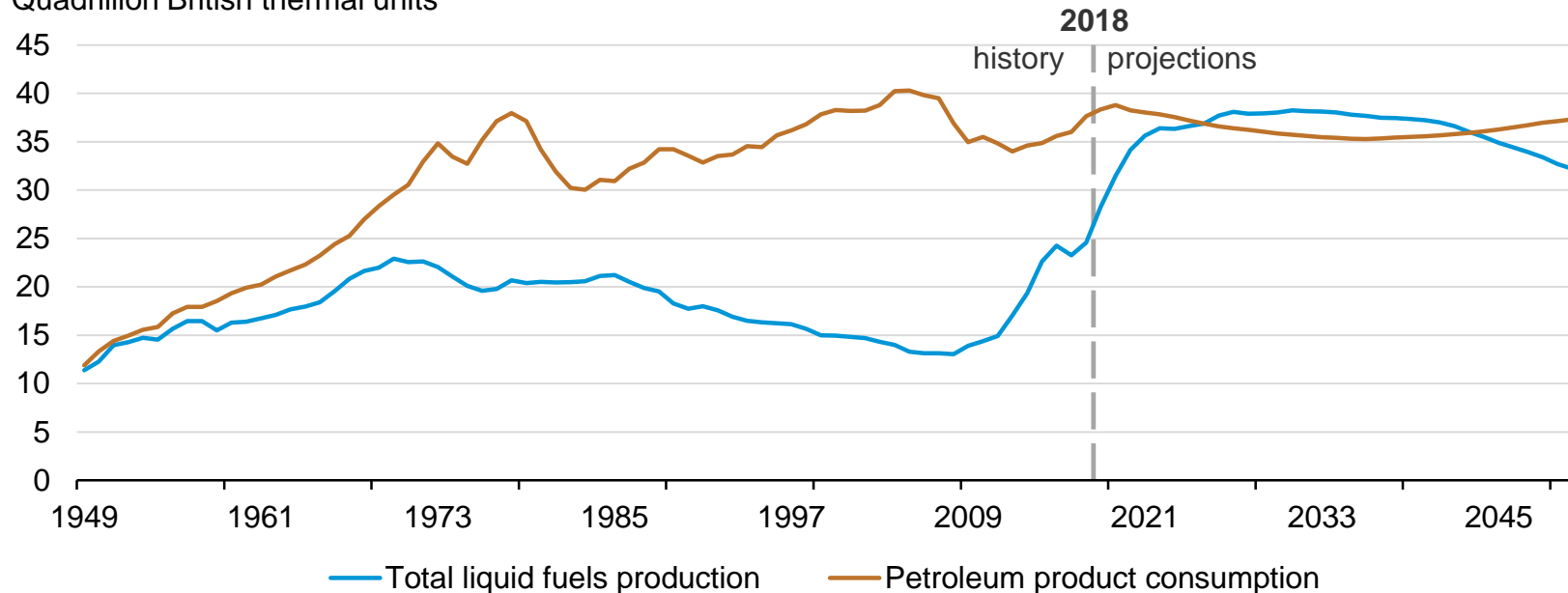


Source: U.S. Energy Information Administration, Monthly Energy Review and Annual Energy Outlook 2019

U.S. petroleum liquids production exceeded the previous record set in 1970 as technology innovation transformed the oil industry in less than a decade

Total liquid fuels production and consumption

Quadrillion British thermal units

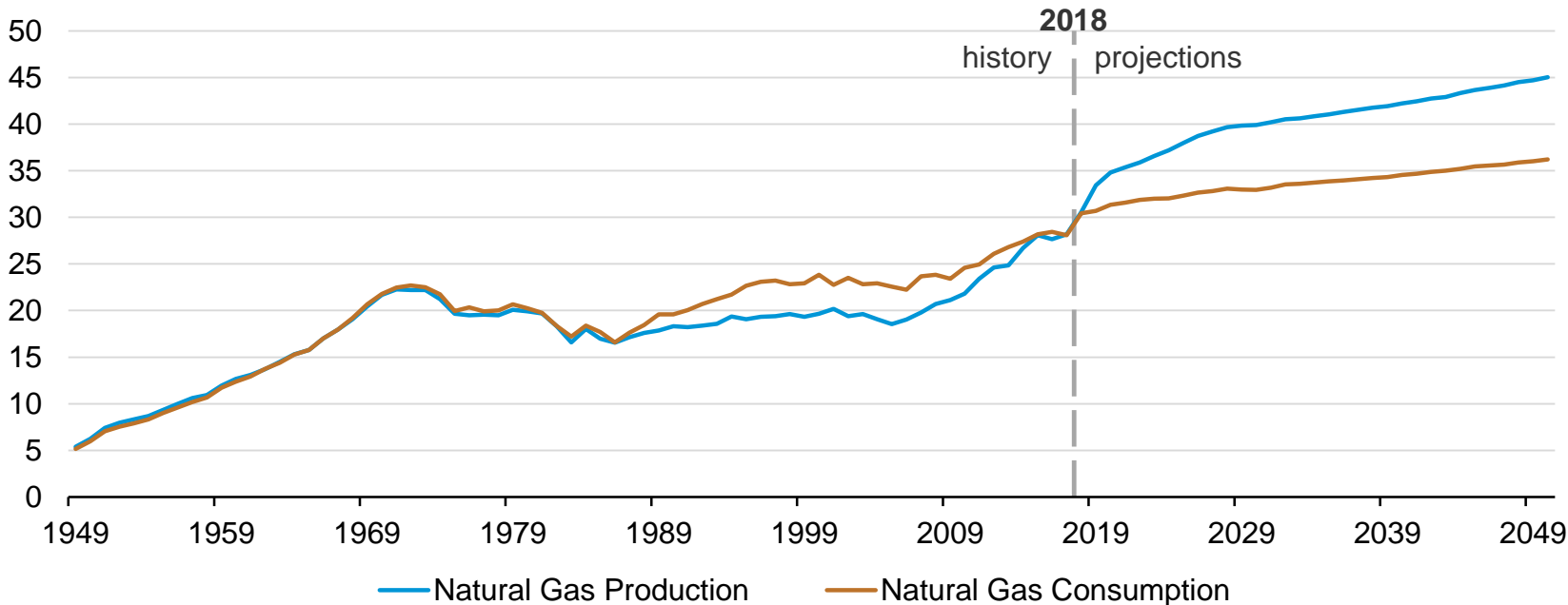


Source: U.S. Energy Information Administration, Monthly Energy Review and Annual Energy Outlook 2019

Driven by shale gas development, U.S. natural gas production exceeded consumption in 2017 for the first time since 1966

Natural gas production and consumption

Quadrillion British thermal units

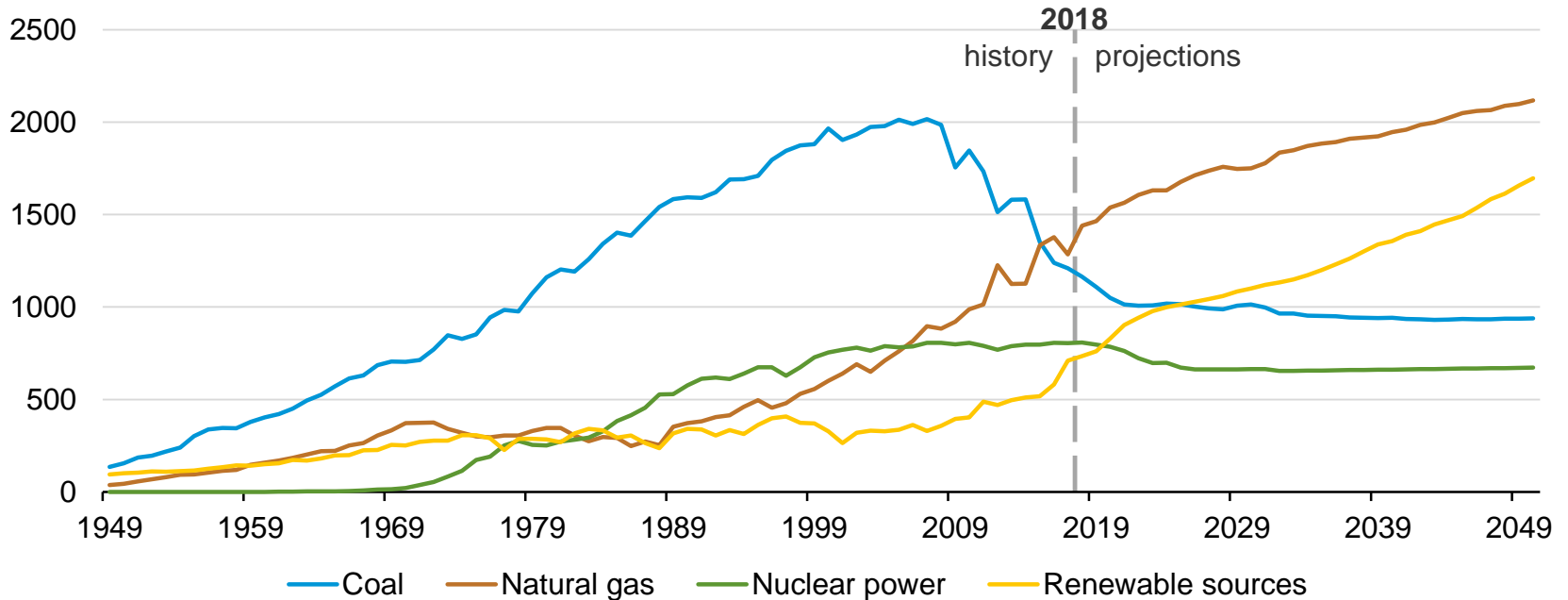


Source: U.S. Energy Information Administration, Monthly Energy Review and Annual Energy Outlook 2019

U.S. natural gas-fired electric power generation displaced coal in 2016, mainly as a result of low natural gas prices

Electricity generation from selected fuels

Billion kilowatthours

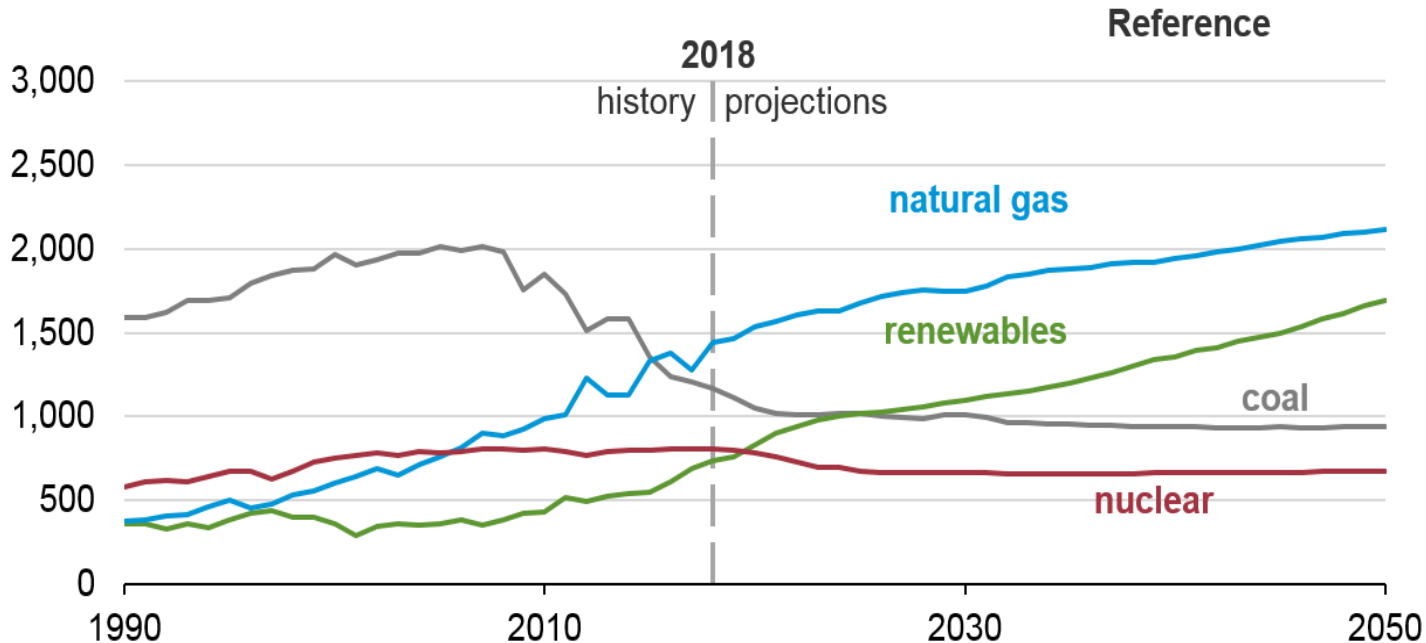


Source: U.S. Energy Information Administration, Monthly Energy Review and Annual Energy Outlook 2019

Electric power generation fuel mix

Electricity generation from selected fuels

billion kilowatthours

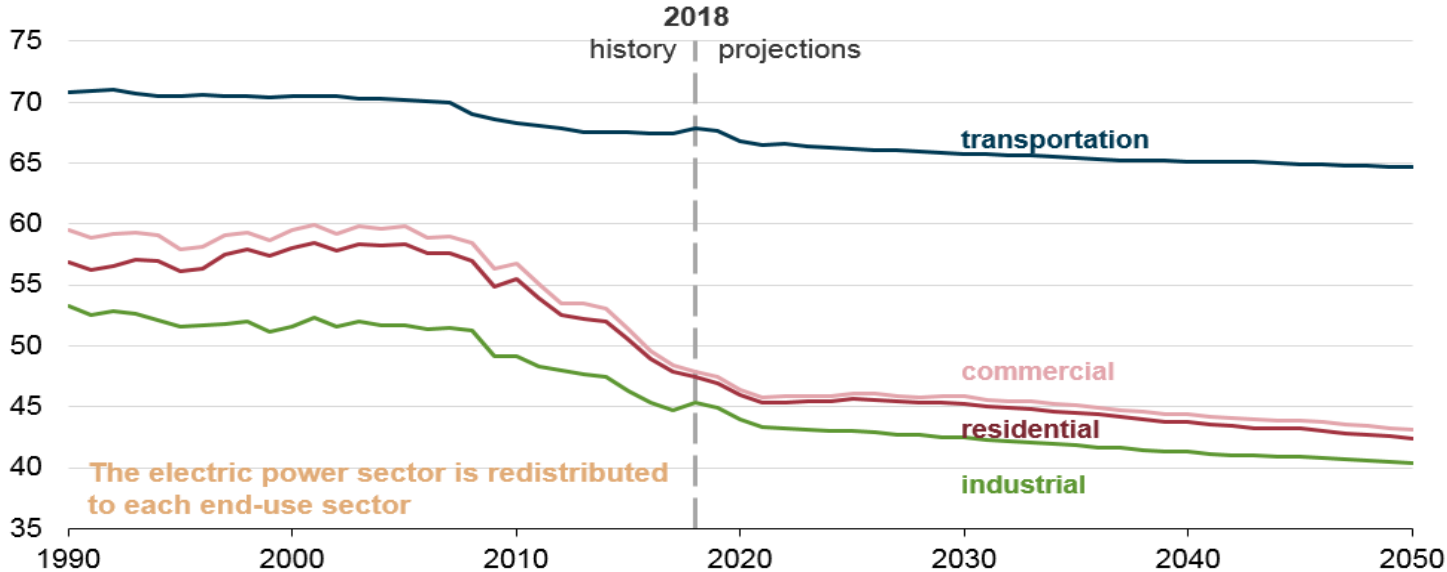


Source: U.S. Energy Information Administration, Annual Energy Outlook 2019

Carbon dioxide intensity by end-use sector

Carbon dioxide intensity by end-use sector (Reference case)

metric tons of carbon dioxide per billion British thermal units



Note: Carbon dioxide intensities are calculated as carbon dioxide emissions per unit energy output (in British thermal units).

Source: U.S. Energy Information Administration, Annual Energy Outlook 2019

For more information

U.S. Energy Information Administration home page | www.eia.gov

Annual Energy Outlook | www.eia.gov/aeo

Short-Term Energy Outlook | www.eia.gov/steo

International Energy Outlook | www.eia.gov/ieo

Monthly Energy Review | www.eia.gov/mer

Today in Energy | www.eia.gov/todayinenergy

State Energy Profiles | www.eia.gov/state

Drilling Productivity Report | www.eia.gov/petroleum/drilling/

International Energy Portal | www.eia.gov/beta/international/?src=home-b1