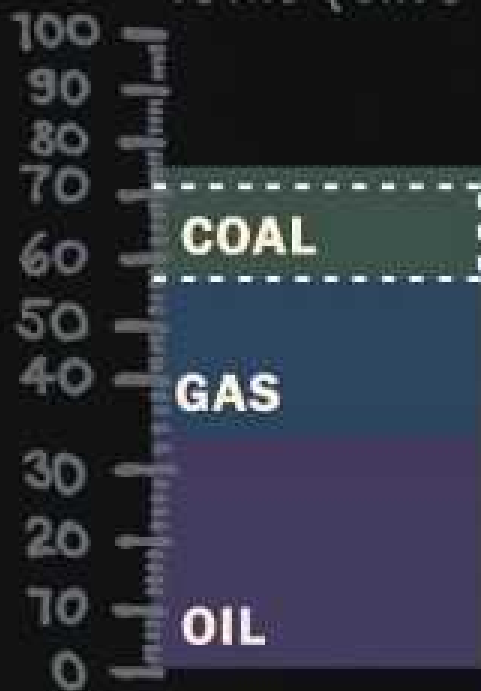


Energy

...

TOTAL QUADS



half of the nation's electricity

91%
electricity



46%

Terms

- BTU - British Thermal Unit
 - The amount of energy to raise 1 gallon of water by 1 °F at sea level
- Kilowatt Hour - measure of energy
 - $1 \text{ Kwh} = 3412.14 \text{ BTU}$

Types of Energy Production

Nonrenewable

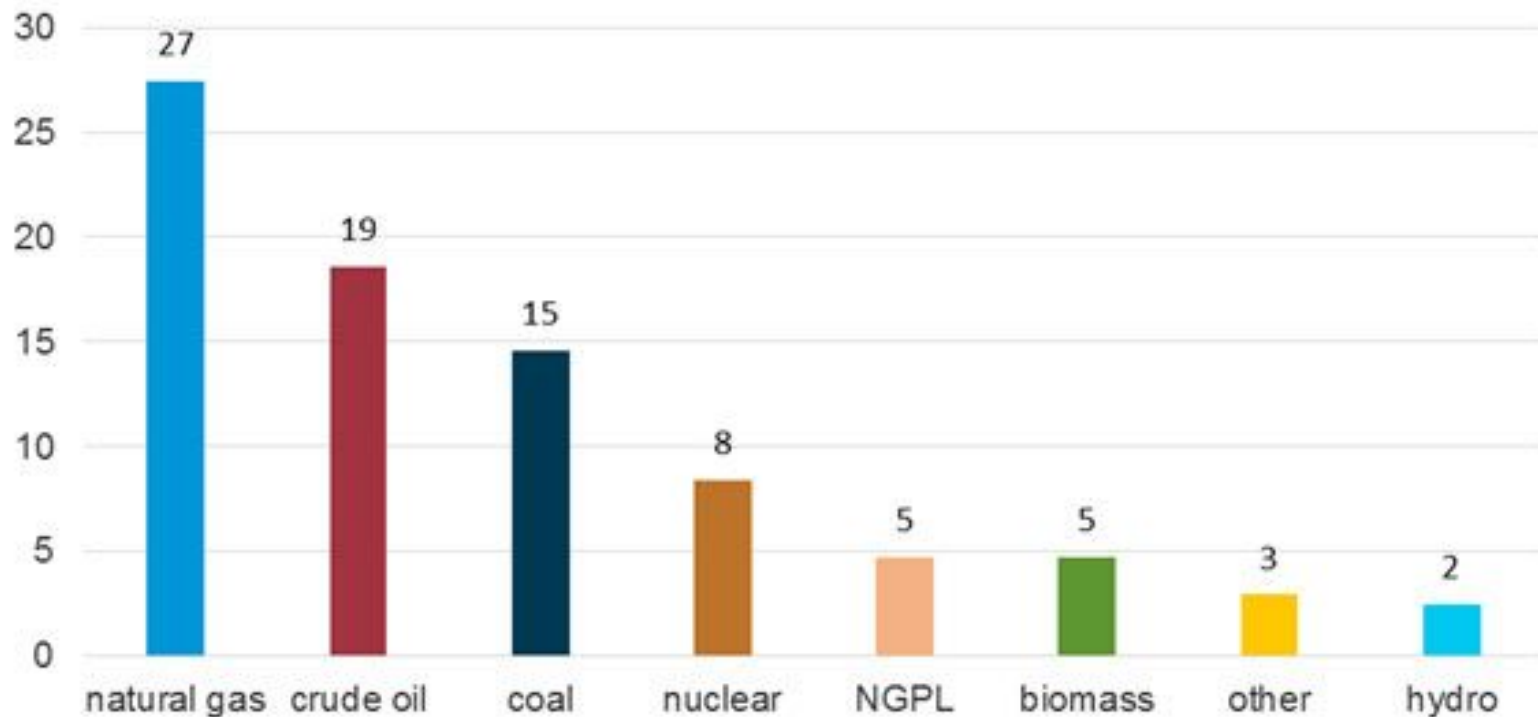
- Fossil Fuels
 - Coal
 - Oil
 - Natural Gas
- Nuclear

Renewable

- Hydroelectric
- Wind
- Geothermal
- Biomass
- Solar

U.S. primary energy production by major sources, 2016

quadrillion British thermal units



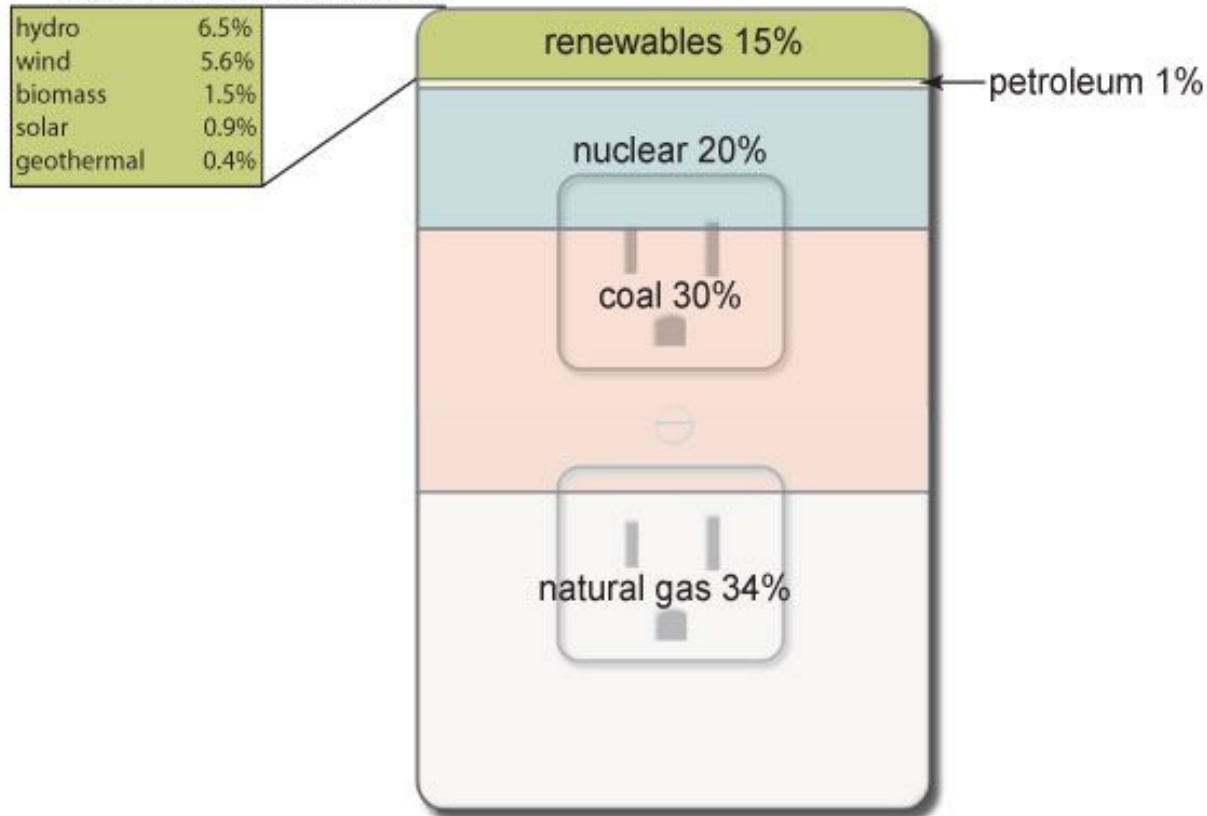
Note: Natural gas is dry gas, NGPL is natural gas plant liquids, other is geothermal, solar, and wind, and hydro is conventional hydroelectric.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 2017, preliminary data



Sources of U.S. electricity generation, 2016

Total = 4.1 trillion kilowatthours



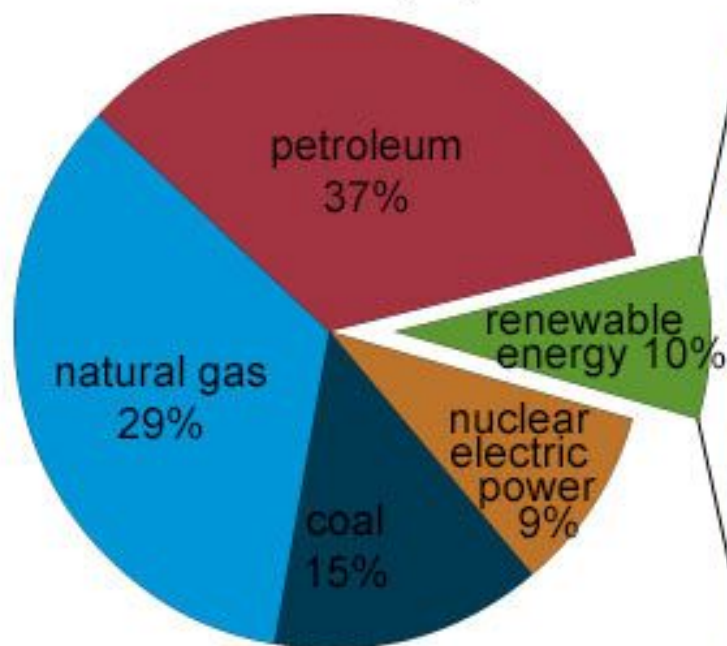
Note: Electricity generation from utility-scale facilities.

Source: U.S. Energy Information Administration, *Electric Power Monthly*, February 2017, preliminary data for 2016

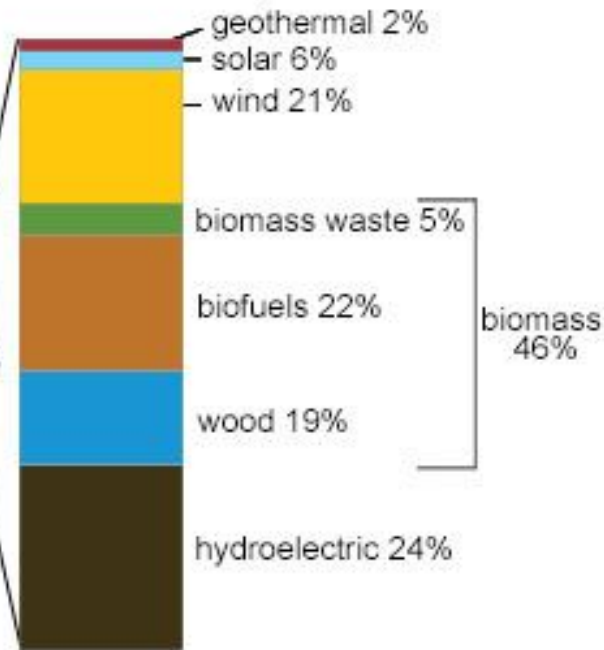


U.S. energy consumption by energy source, 2016

Total = 97.4 quadrillion
British thermal units (Btu)



Total = 10.2 quadrillion Btu



Note: Sum of components may not equal 100% because of independent rounding.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, Table 1.3 and 10.1, April 2017, preliminary data