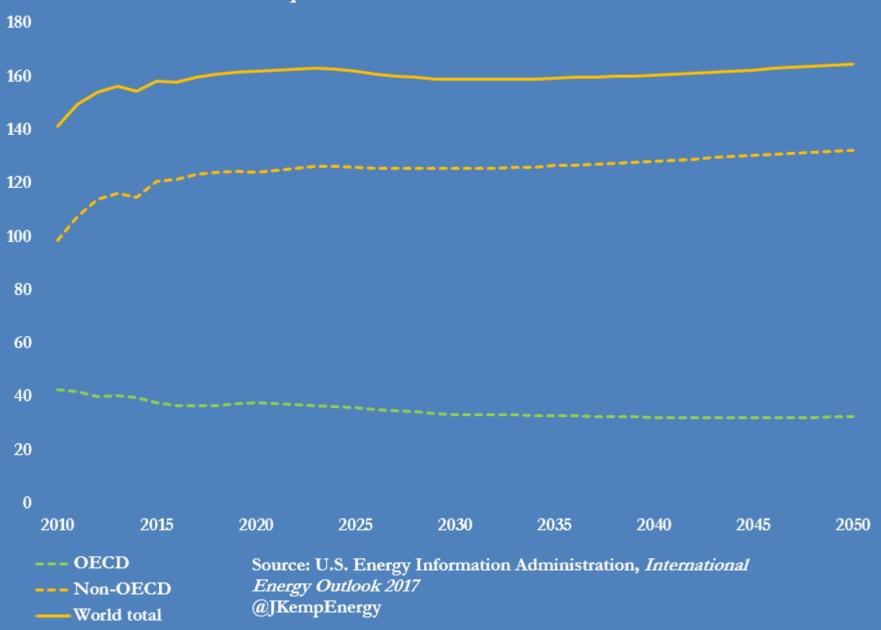
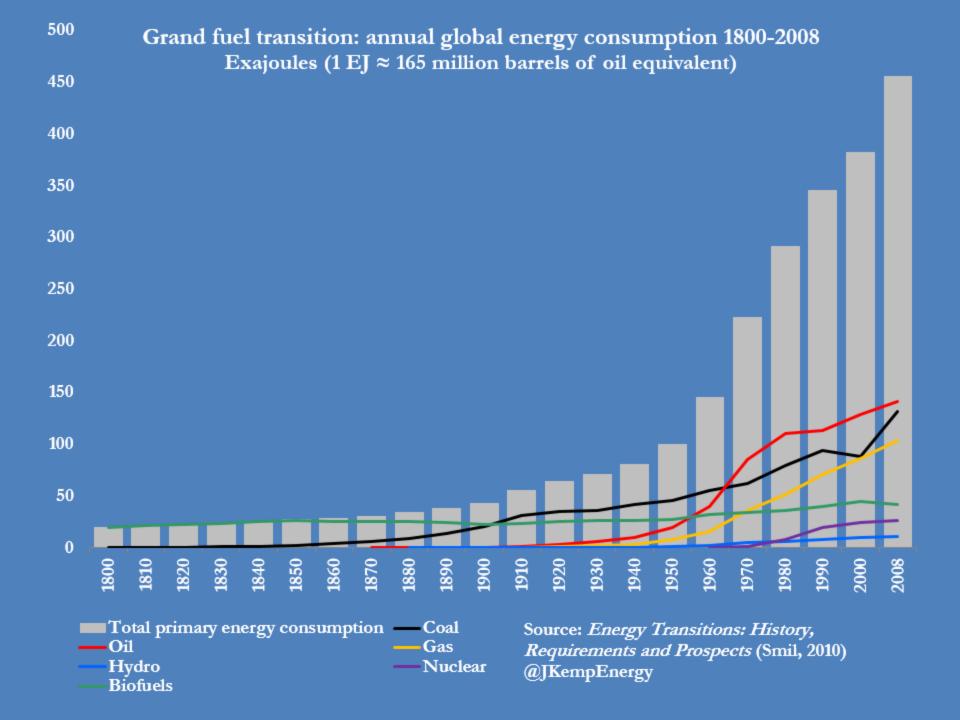
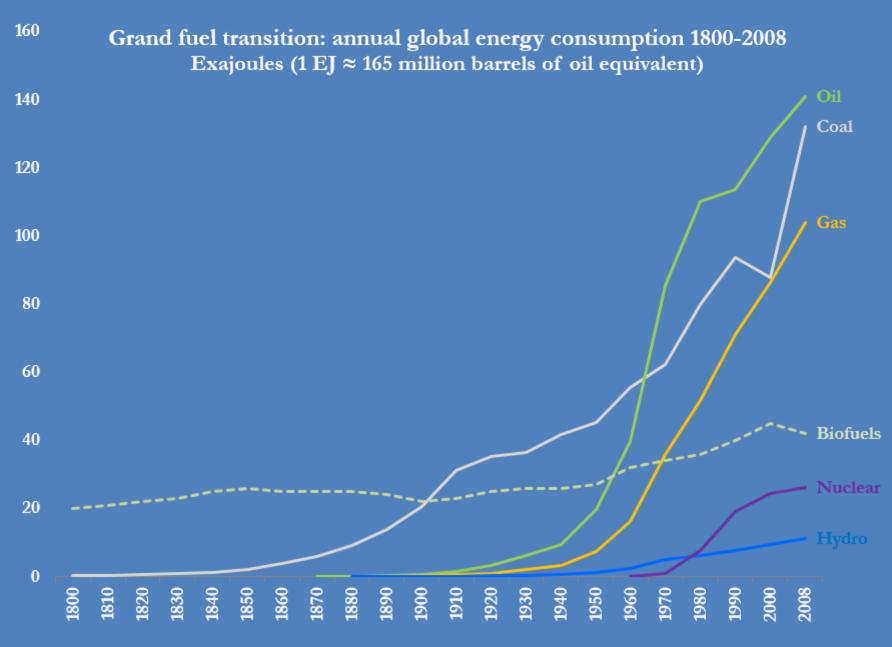
Global coal consumption and energy transitions Selected indicators

JOHN KEMP REUTERS 6 Dec 2018

Global coal consumption, actual and projected, 2010-2050 quadrillion British thermal units

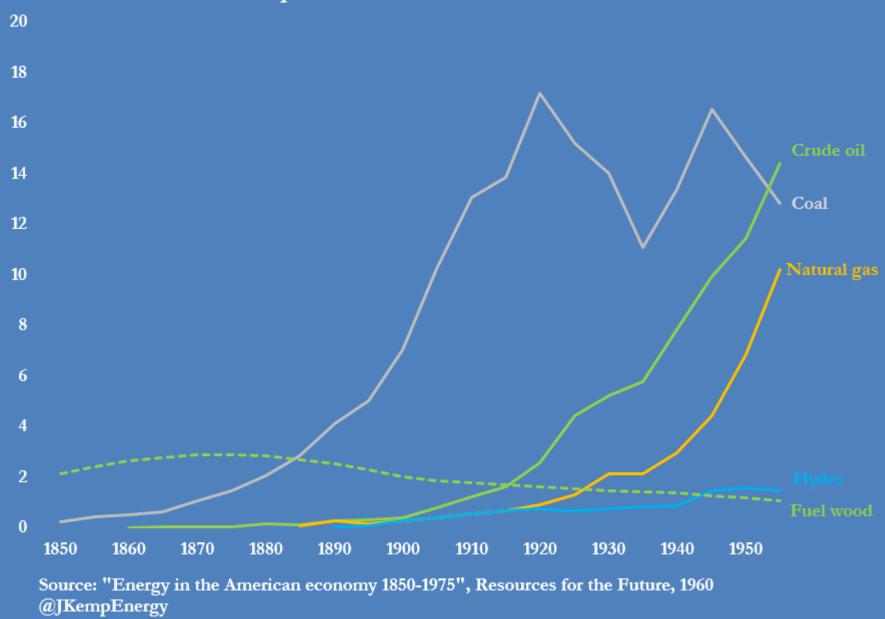




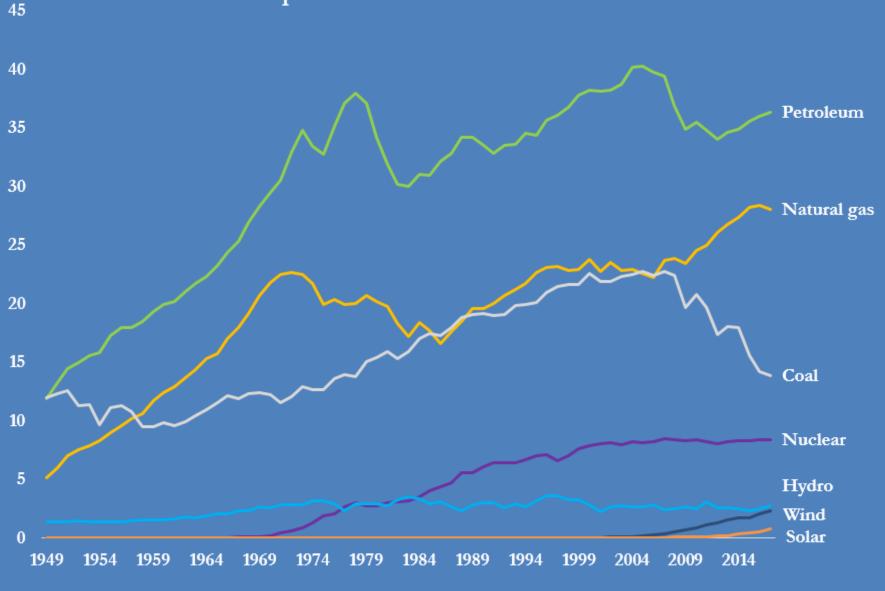


Source: Energy Transitions: History, Requirements and Prospects (Smil, 2010) @JKempEnergy

U.S. primary energy consumption 1850-1955 quadrillion British thermal units



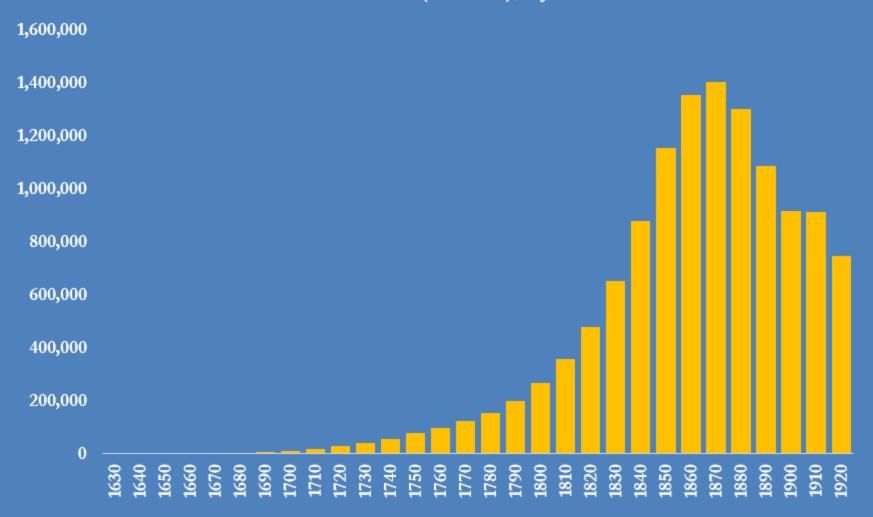




Source: U.S. Energy Information Administration, Annual Energy Outlook 2018

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Fuel wood consumption in the United States, 1630-1930 thousand cords (4'x4'x8'), by decade



Source: "Fuel Wood used in the United States, 1630-1930", Reynolds and Pierson, U.S. Department of Agriculture, Circular No. 641, 1942

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