

China's 14th Five-Year Plan

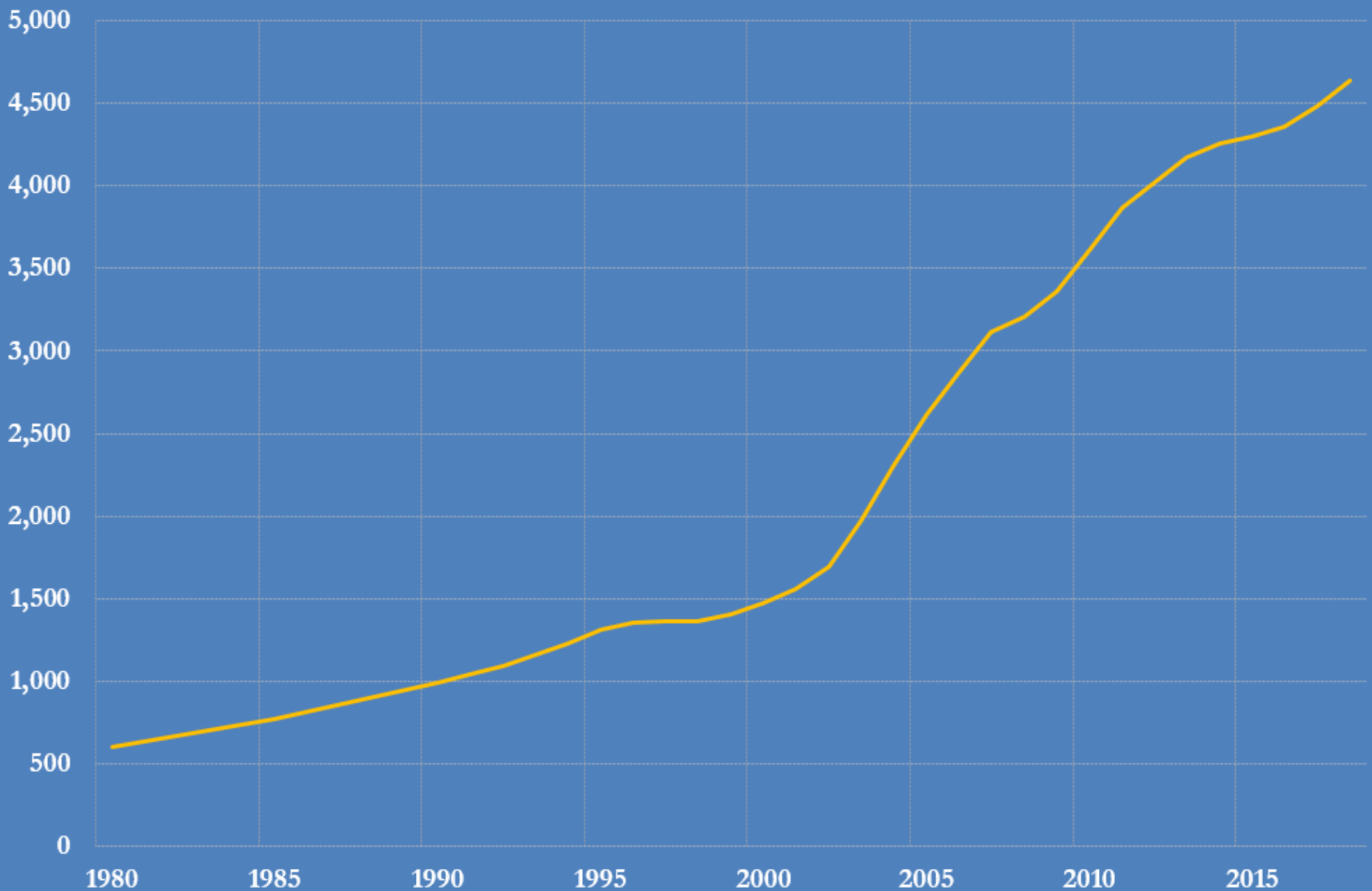
Energy and emissions strategy

JOHN KEMP
REUTERS

19 Mar 2021

China energy consumption, 1980-2018

millions of tonnes of standard coal equivalent

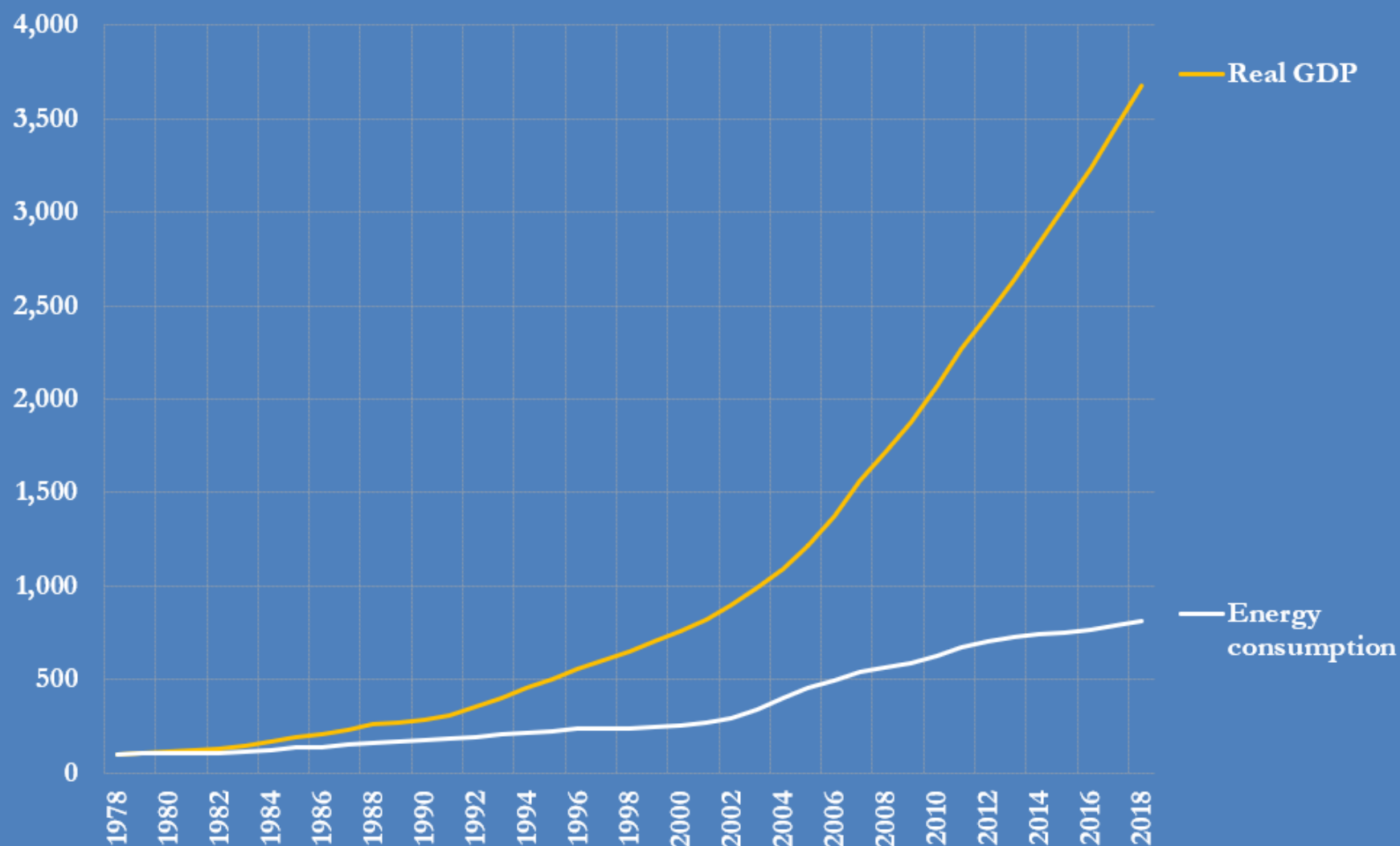


Source: China National Bureau of Statistics

@JKempEnergy

China real GDP and energy consumption, 1978-2018

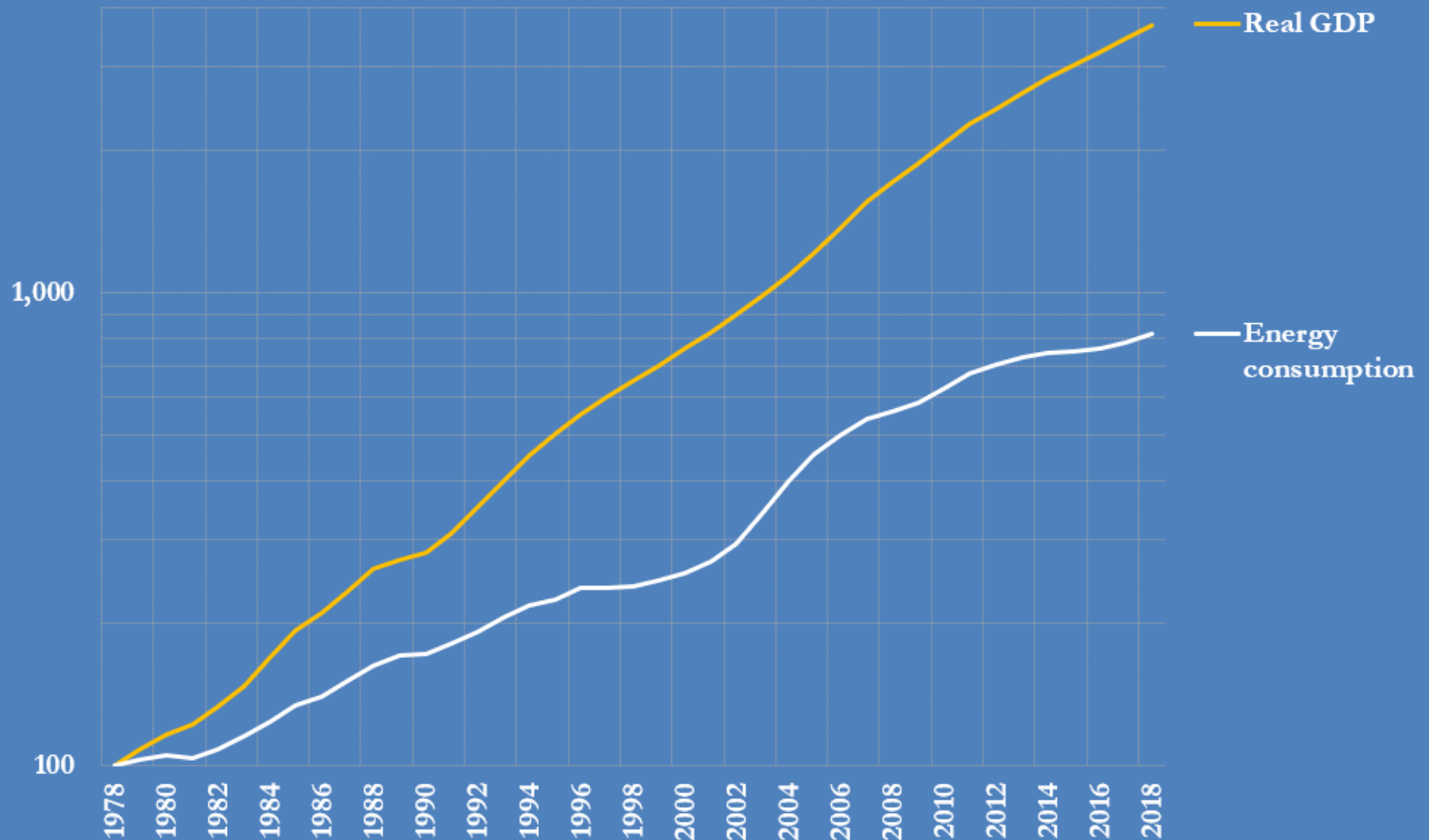
Index 1978 = 100



Sources: China National Bureau of Statistics (China Statistical Yearbook) and BP (Review of World Energy) - @JKempEnergy

China real GDP and energy consumption, 1978-2018

Index 1978 = 100, semi-logarithmic scale

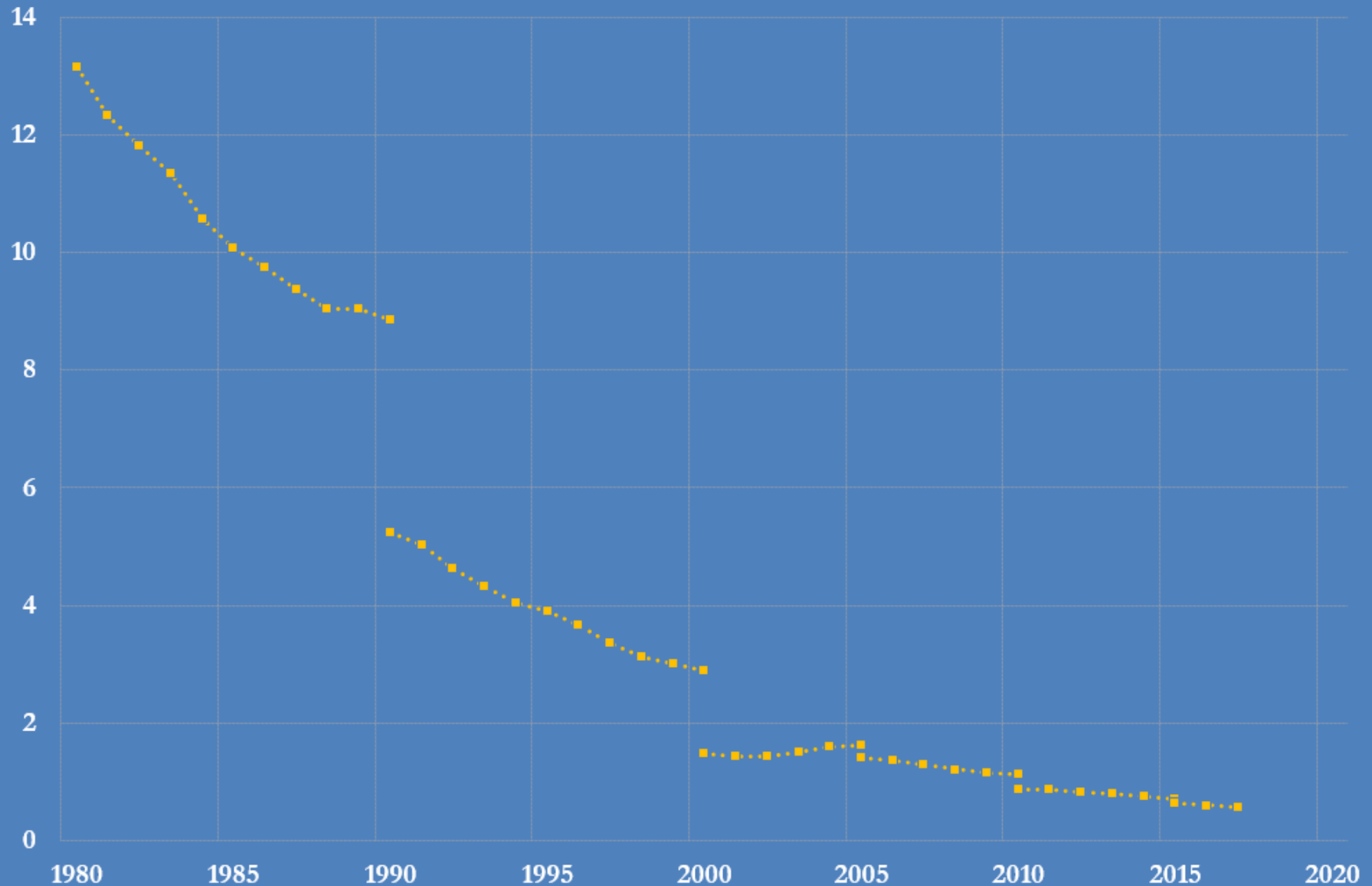


Sources: China National Bureau of Statistics (China Statistical Yearbook) and BP (Review of World Energy) - @JKempEnergy

China energy efficiency - energy consumption / GDP ratio

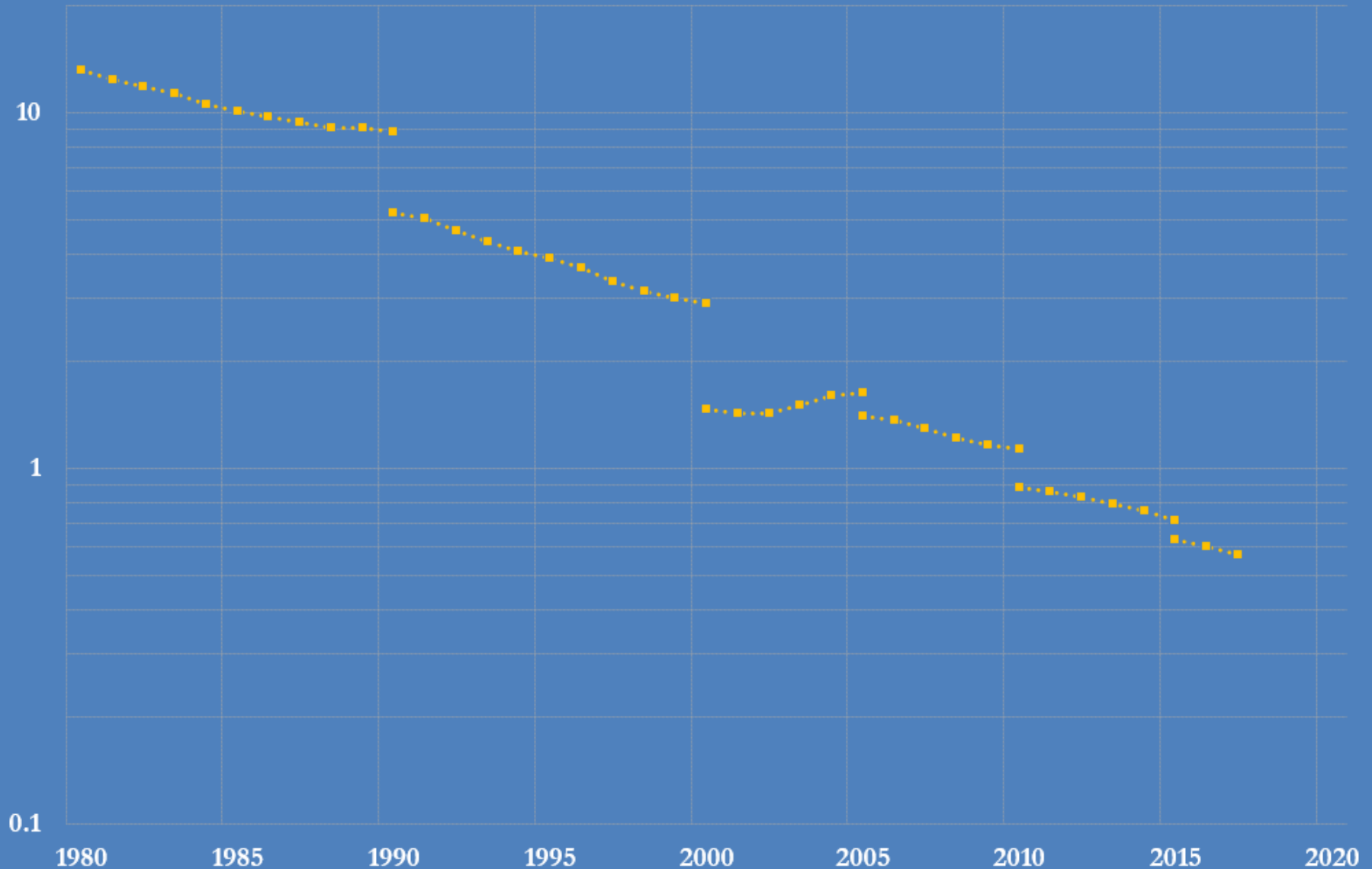
tonnes of standard coal equivalent per 10,000 yuan at constant prices

discontinuities caused by rebasing of real GDP



China energy efficiency - energy consumption / GDP ratio

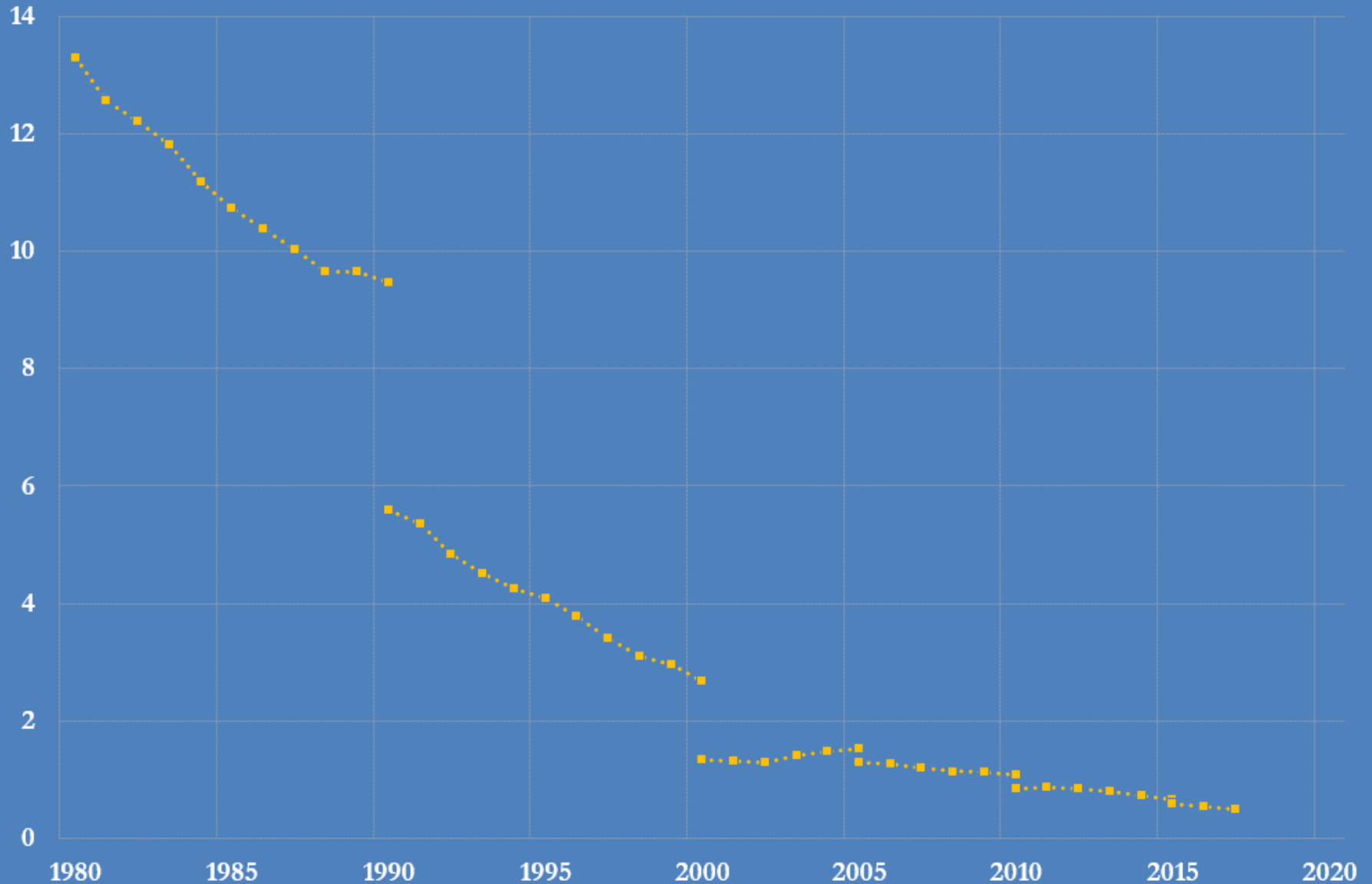
tonnes of standard coal equivalent per 10,000 yuan at constant prices
semi-logarithmic scale, discontinuities caused by rebasing of real GDP



China energy efficiency - coal consumption / GDP ratio

tonnes of standard coal equivalent per 10,000 yuan at constant prices

discontinuities caused by rebasing of real GDP

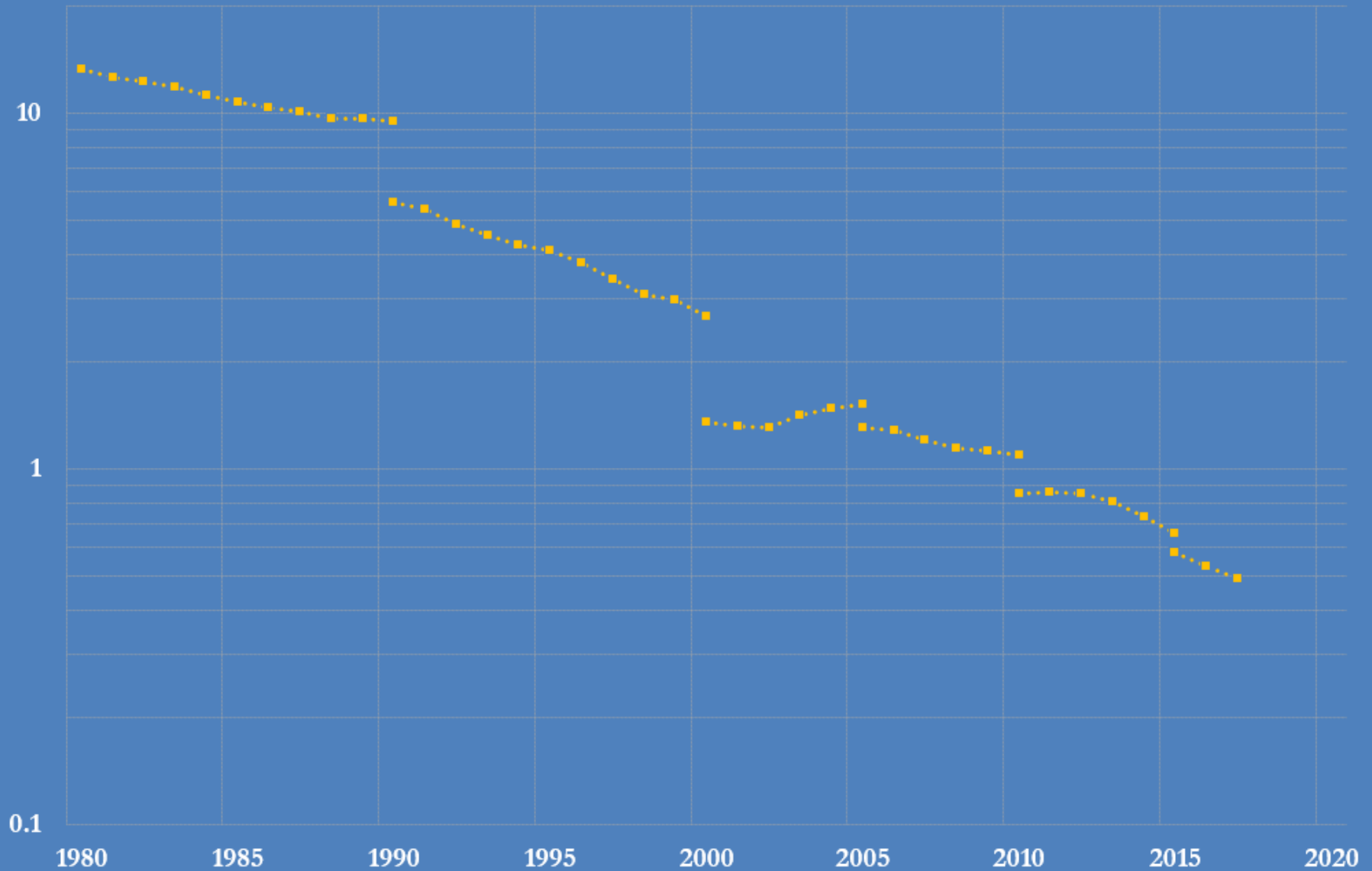


Source: China National Bureau of Statistics

@JKempEnergy

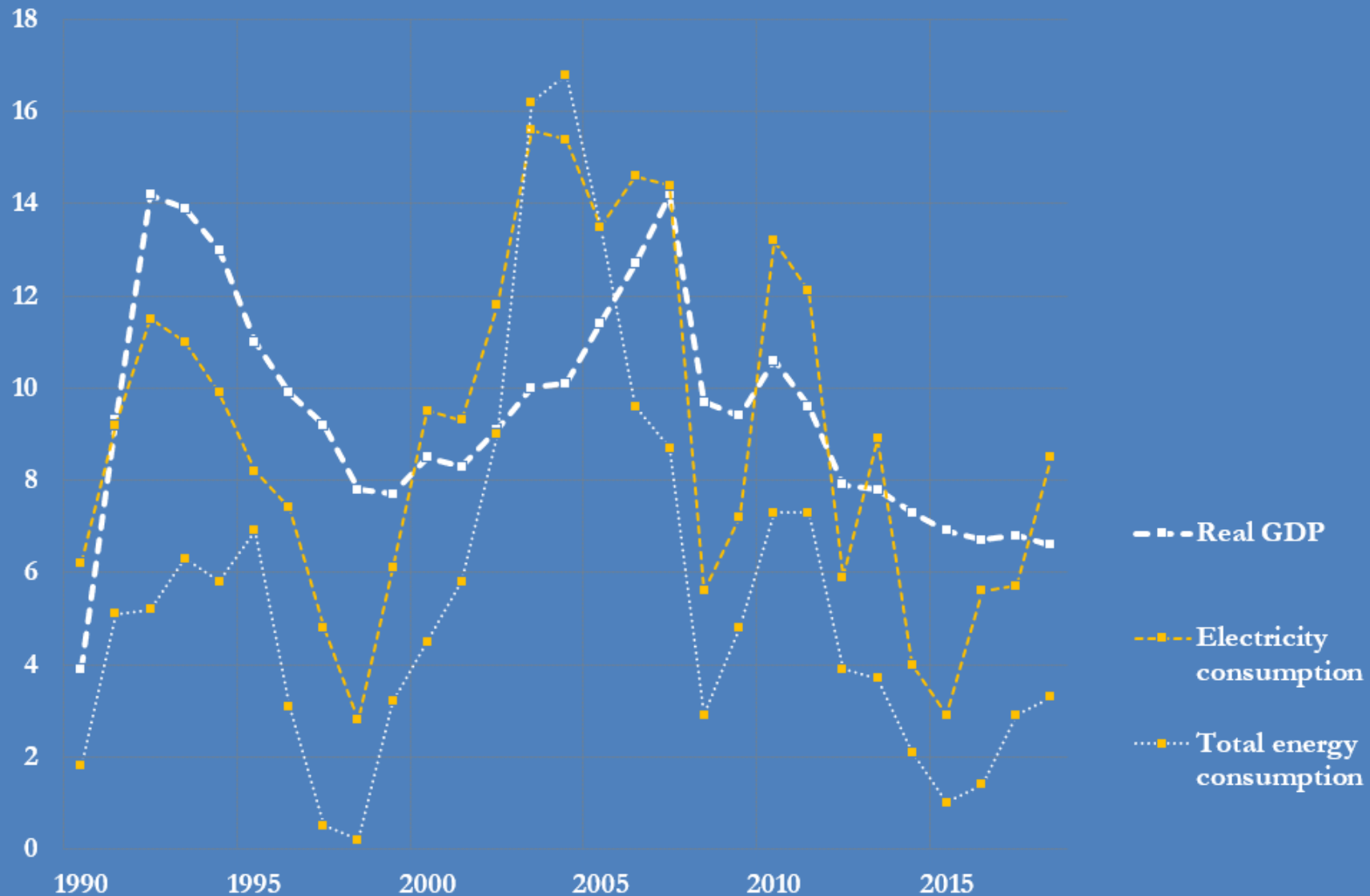
China energy efficiency - coal consumption / GDP ratio

tonnes of standard coal equivalent per 10,000 yuan at constant prices
semi-logarithmic scale, discontinuities caused by rebasing of real GDP



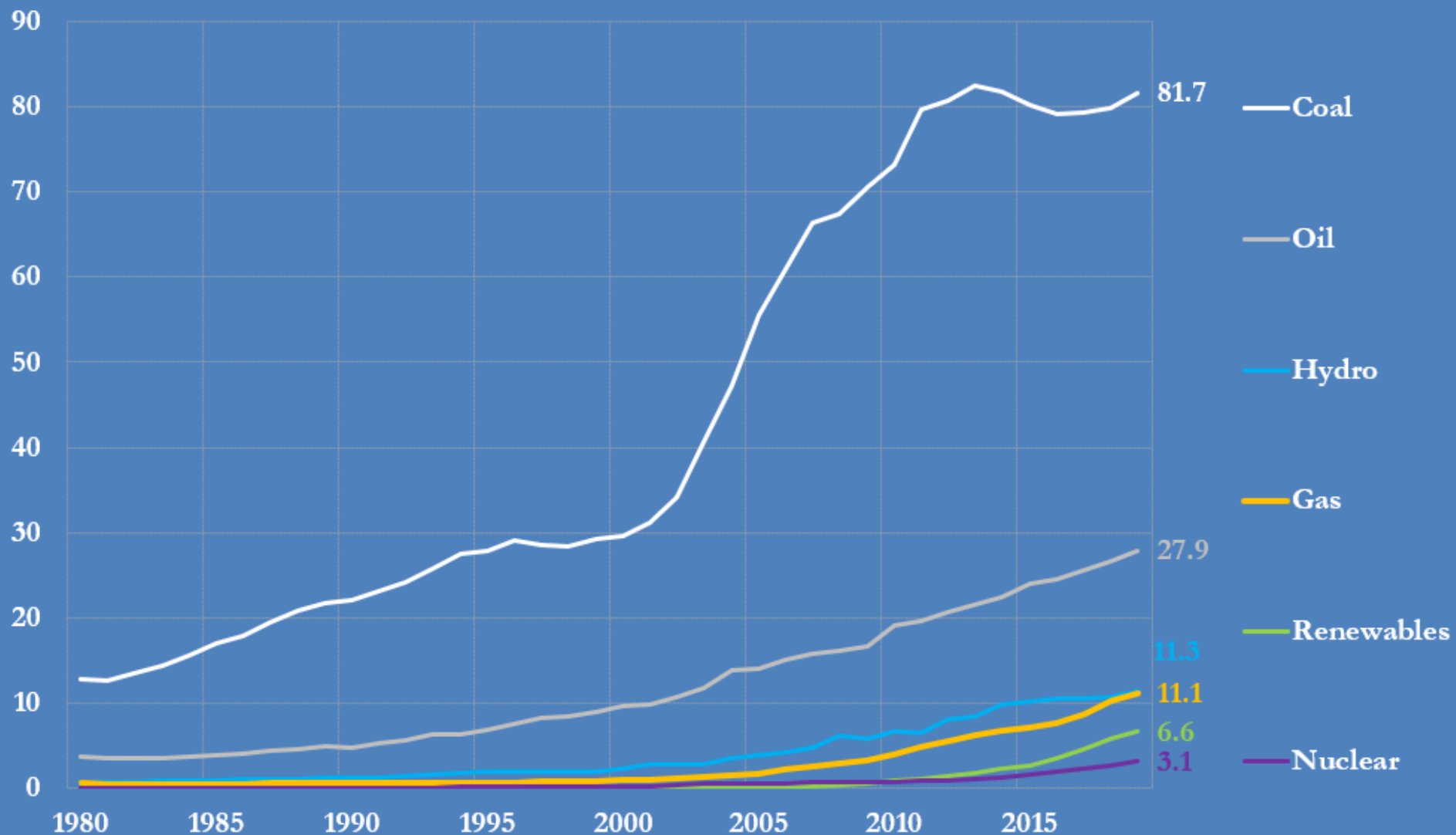
China energy consumption and real GDP, 1990-2018

percent annual growth rates



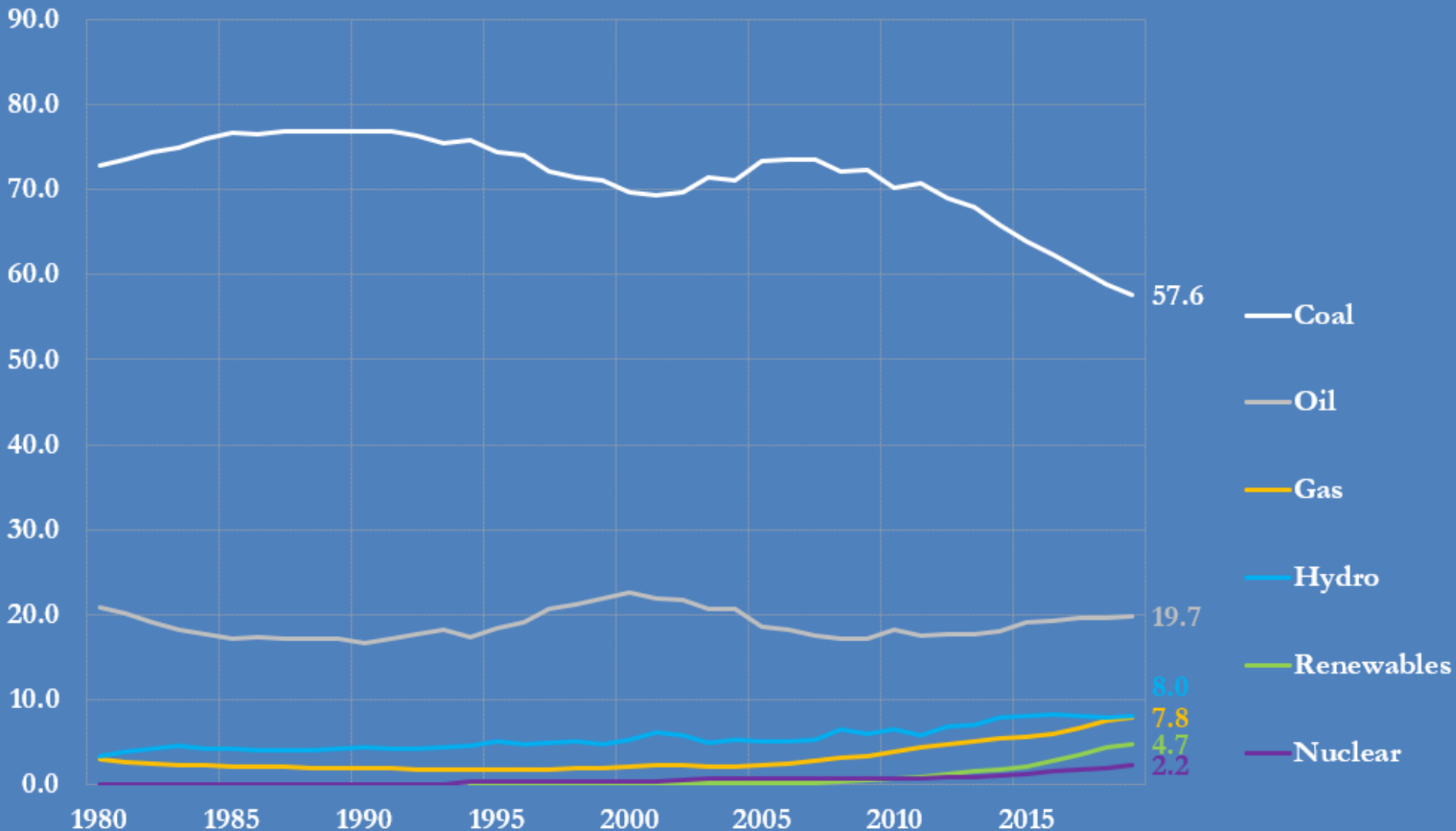
China primary energy consumption, 1980-2019

Exajoules



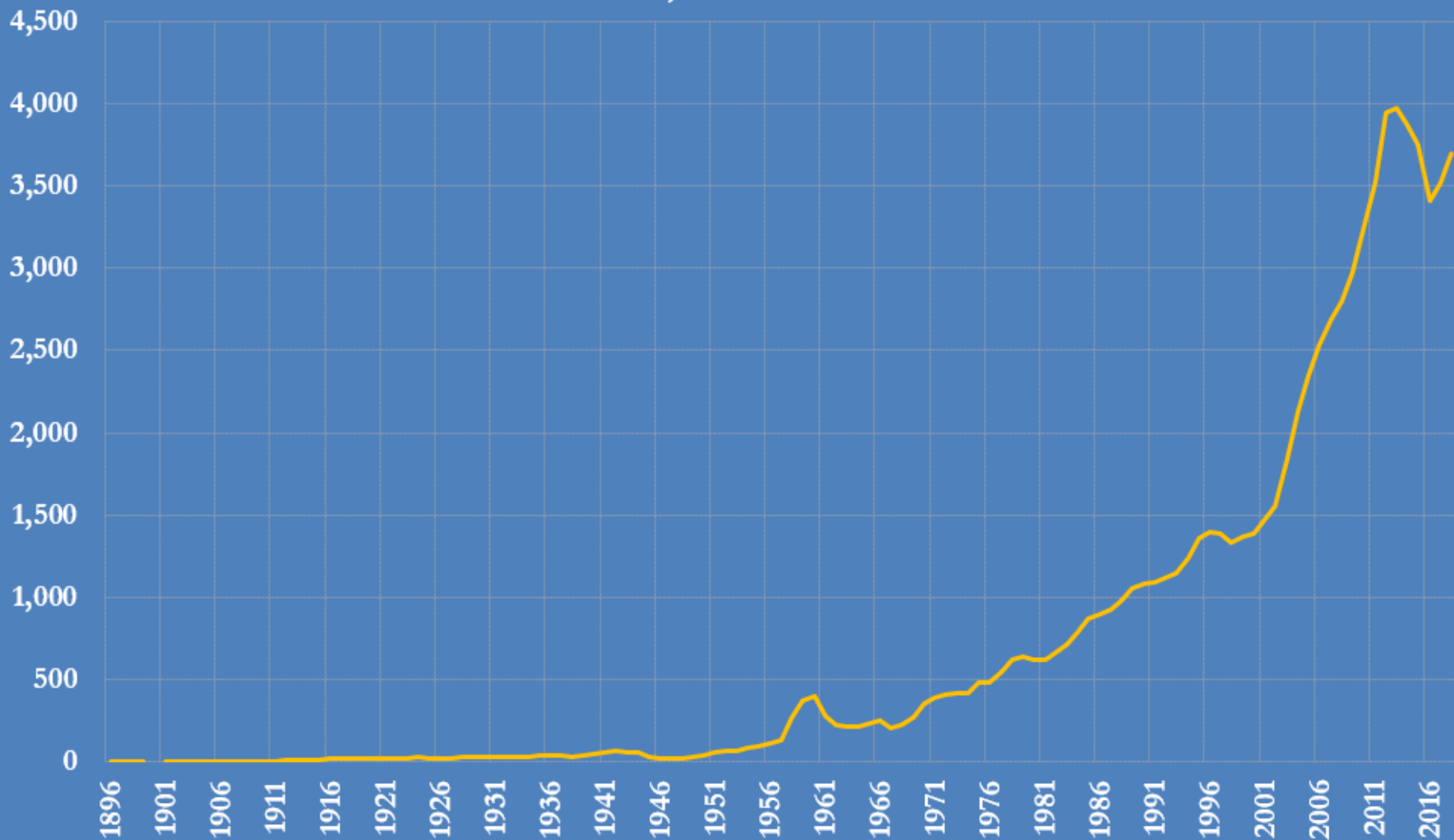
China primary energy consumption, 1980-2019

selected sources, percent of total primary energy consumption



China coal production, 1896-2018

annual, million tonnes



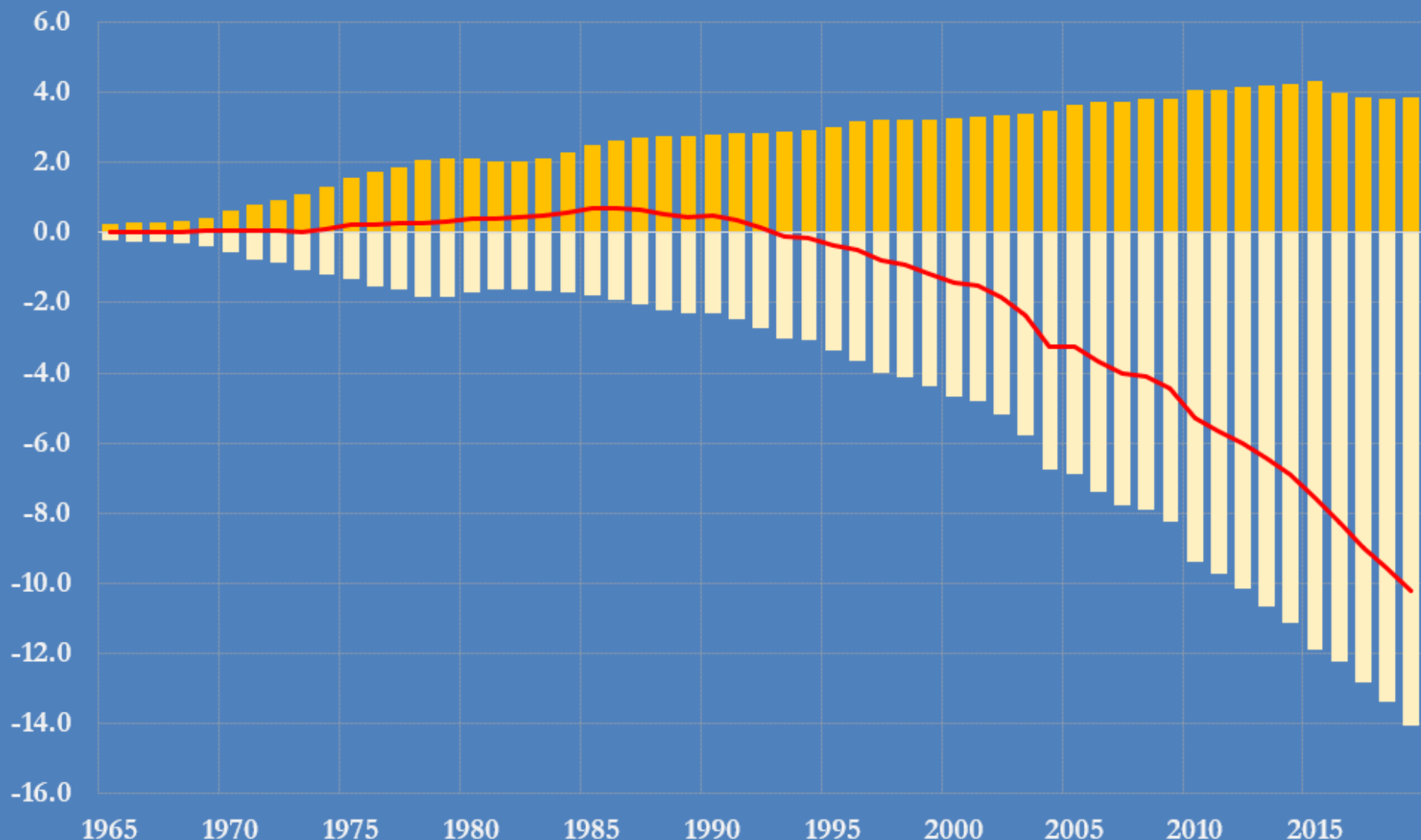
Source: "The Chinese Coal Industry: An Economic History" (Thomson, 2003/2013)

"China Statistical Yearbook" (National Bureau of Statistics)

@JKempEnergy

China oil production, consumption and net imports, 1965-2019

million barrels per day, consumption and net imports shown negative

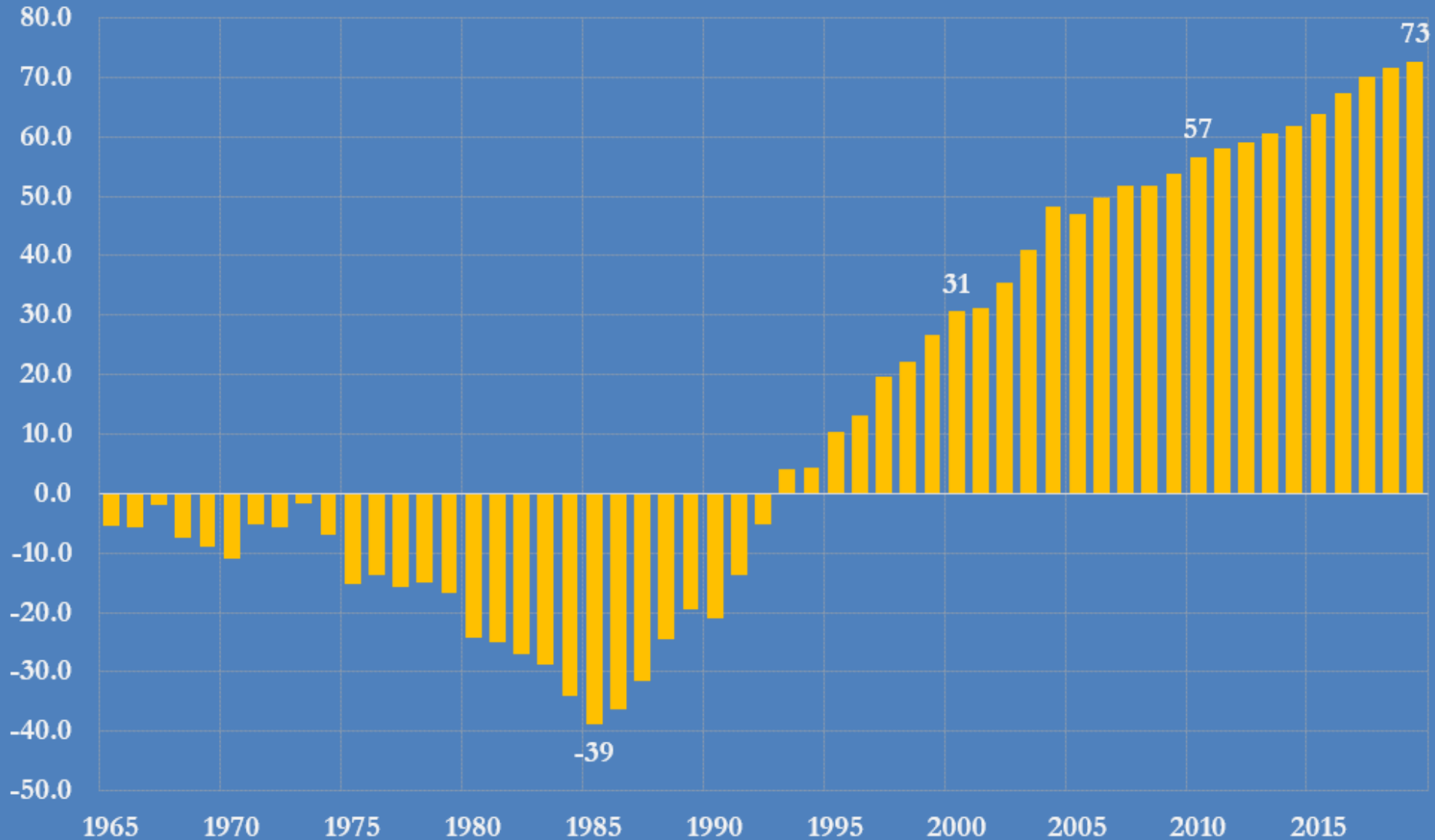


Production
Consumption
Net imports

Source: BP Statistical Review of World Energy
@JKempEnergy

China oil - net import requirement, 1965-2019

annual, net imports as a percent of total consumption

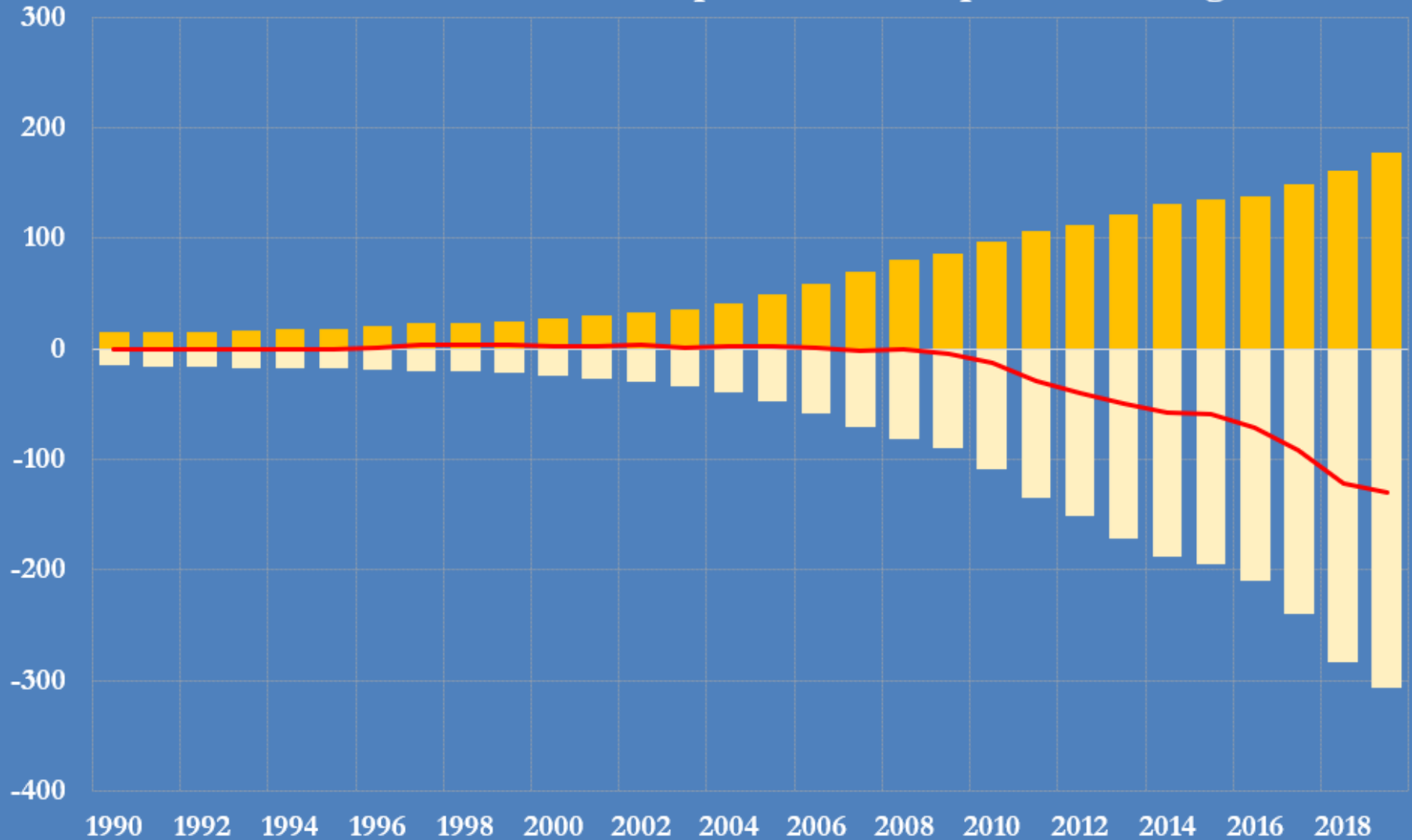


Source: BP Statistical Review of World Energy

@JKempEnergy

China gas production, consumption and net imports, 1990-2019

annual, billion cubic feet, consumption and net imports shown negative



Production
Consumption
Net imports

Source: BP Statistical Review of World Energy
@JKempEnergy

China gas - net import requirement 1990-2019

annual, net imports as a percent of total consumption

