China/India and the energy transition
Selected indicators

JOHN KEMP
REUTERS
19 October 2023
Population estimates and projections, 1950-2100
billion people, selected areas

Primary energy consumption, 1970-2022
gigajoules per capita, annual

Source: Statistical Review of World Energy (Energy Institute, formerly BP)
U.S. primary energy consumption, 1850-2022

quadrillion British thermal units

Source: U.S. Energy Information Administration

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U.S. primary energy consumption, 1850-2019
percent share of total (wood/biomass not shown)

Source: U.S. Energy Information Administration

@JKempEnergy
India installed electricity generation capacity, 2018-2023

gigawatts, month-end

Source: India National Power Portal

@JKempEnergy
India renewable electricity generation capacity, 2018-2023

gigawatts, month-end

Source: India National Power Portal

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China power generation, 2014-2023
billion kWh, cumulative output from January to August each year

Source: China National Bureau of Statistics

@JKempEnergy
India electricity generation, 2010-2022
annual, billion kilowatt-hours

Source: Statistical Review of World Energy (Energy Institute formerly BP)
India renewable electricity generation, 2010-2022
annual, billion kilowatt-hours

Source: Statistical Review of World Energy (Energy Institute formerly BP)

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