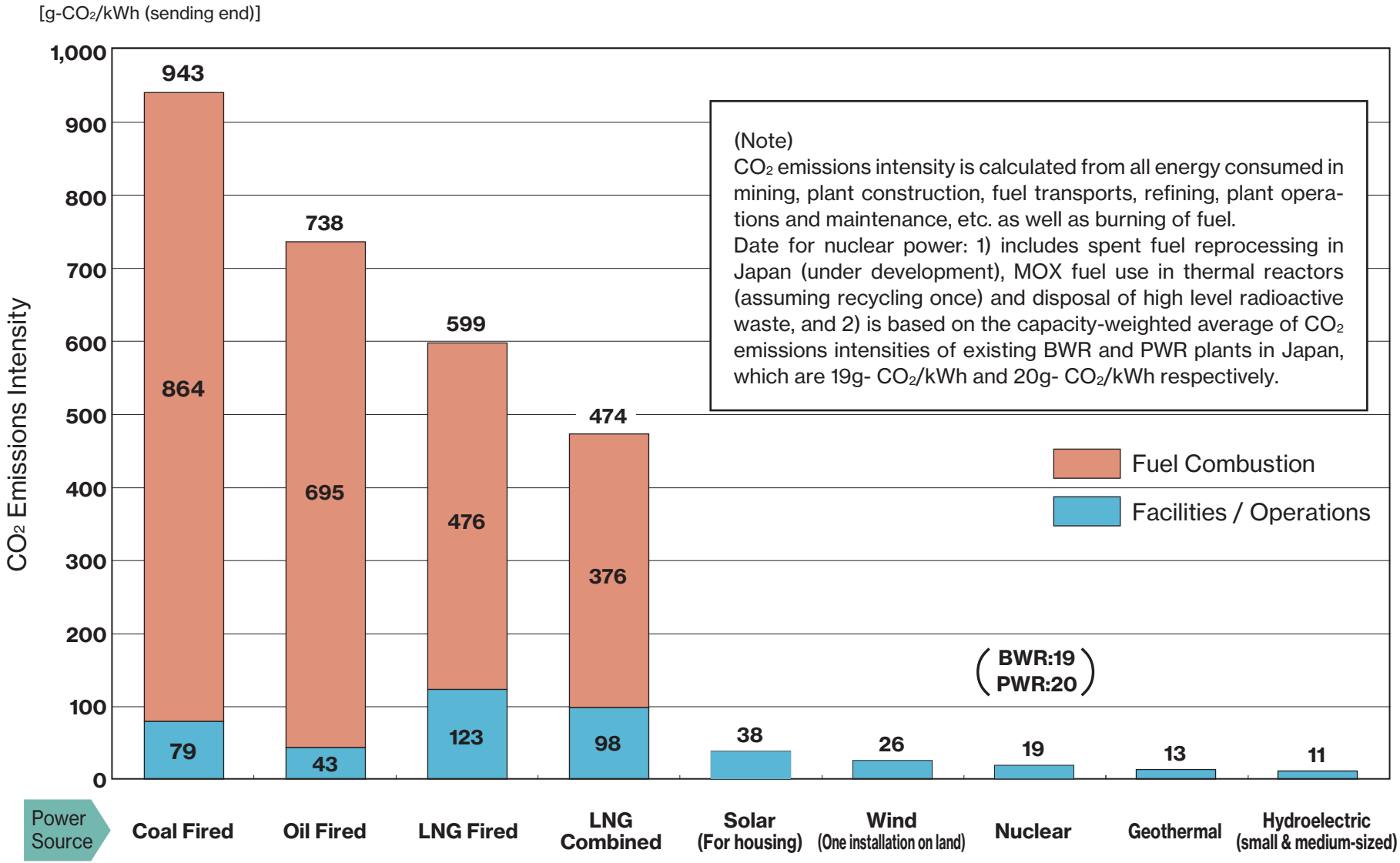
Lifecycle-Assessed CO_2 Emissions Intensity of Japan's Energy Sources



(Note)
CO_2 emissions intensity is calculated from all energy consumed in mining, plant construction, fuel transports, refining, plant operations and maintenance, etc. as well as burning of fuel.
Date for nuclear power: 1) includes spent fuel reprocessing in Japan (under development), MOX fuel use in thermal reactors (assuming recycling once) and disposal of high level radioactive waste, and 2) is based on the capacity-weighted average of CO_2 emissions intensities of existing BWR and PWR plants in Japan, which are 19g- CO_2/kWh and 20g- CO_2/kWh respectively.

Source: Central Research Institute of Electric Power Industry, Comprehensive Assessment of Life Cycle CO_2 Emissions from Power Generation Technologies in Japan (July 2016)

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