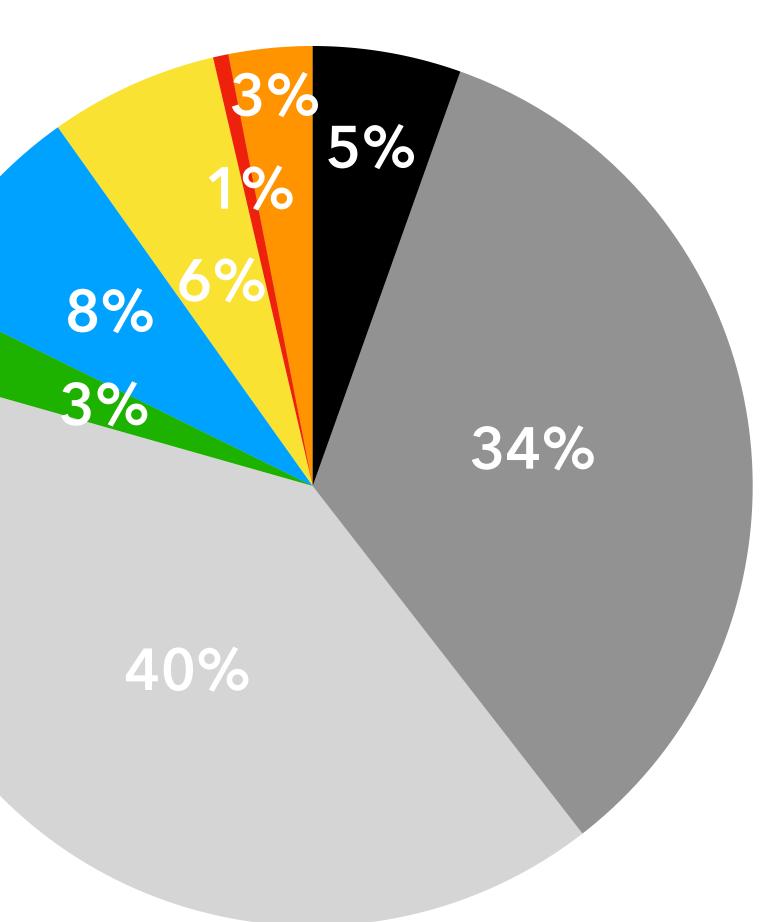
Japan's Electricity Mix, 2017

Oil Coal Gas Nuclear Hydro Solar Wind Biomass, Geothermal & Other





Source: Data from BP Statistical Review of World Energy, referring to 2017 electricity generation percentage



Japan's Electricity Mix, 2017

3%

%

8%

3%





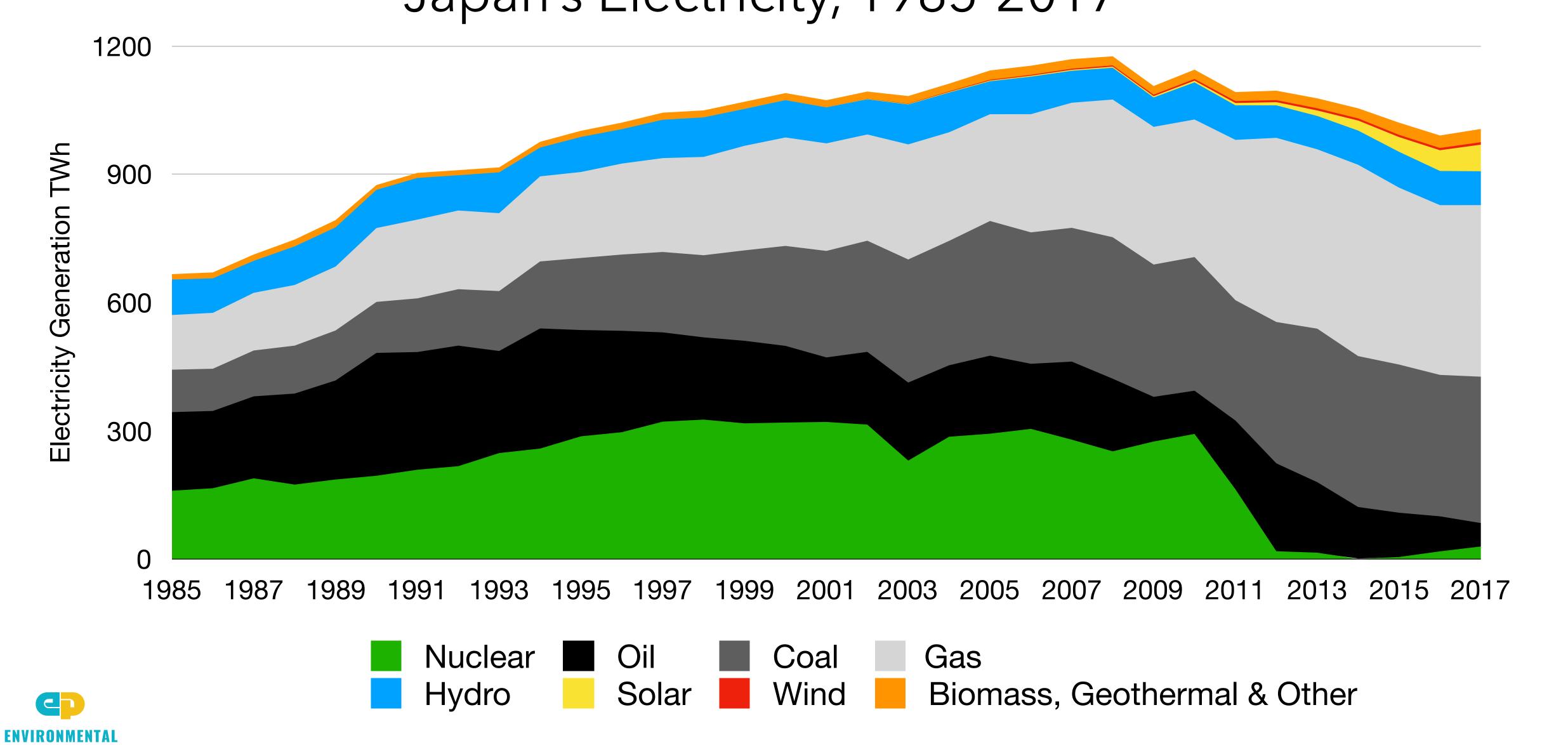


79%

Source: Data from BP Statistical Review of World Energy, referring 2017 electricity generation percentage

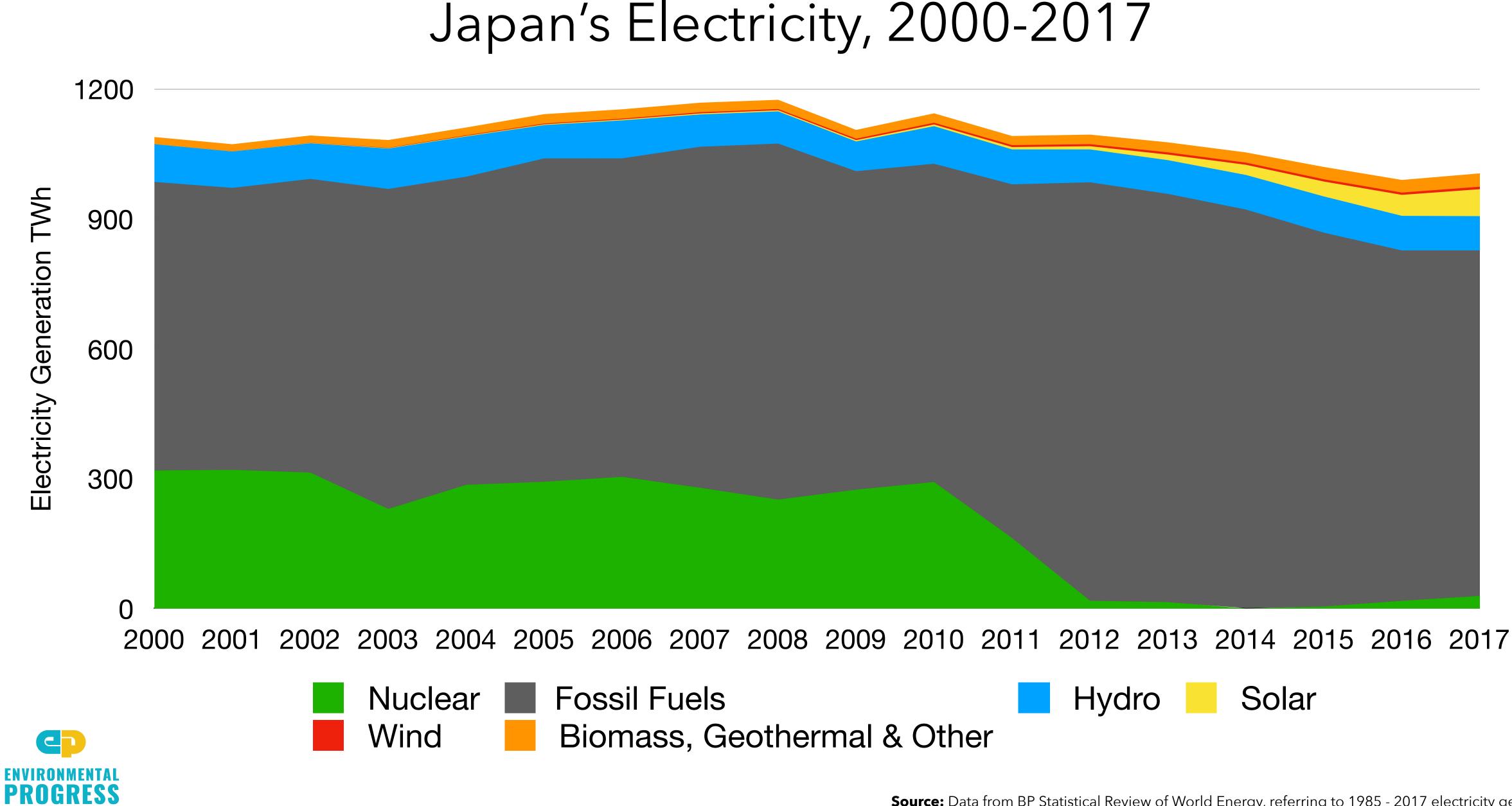


Japan's Electricity, 1985-2017



PROGRESS

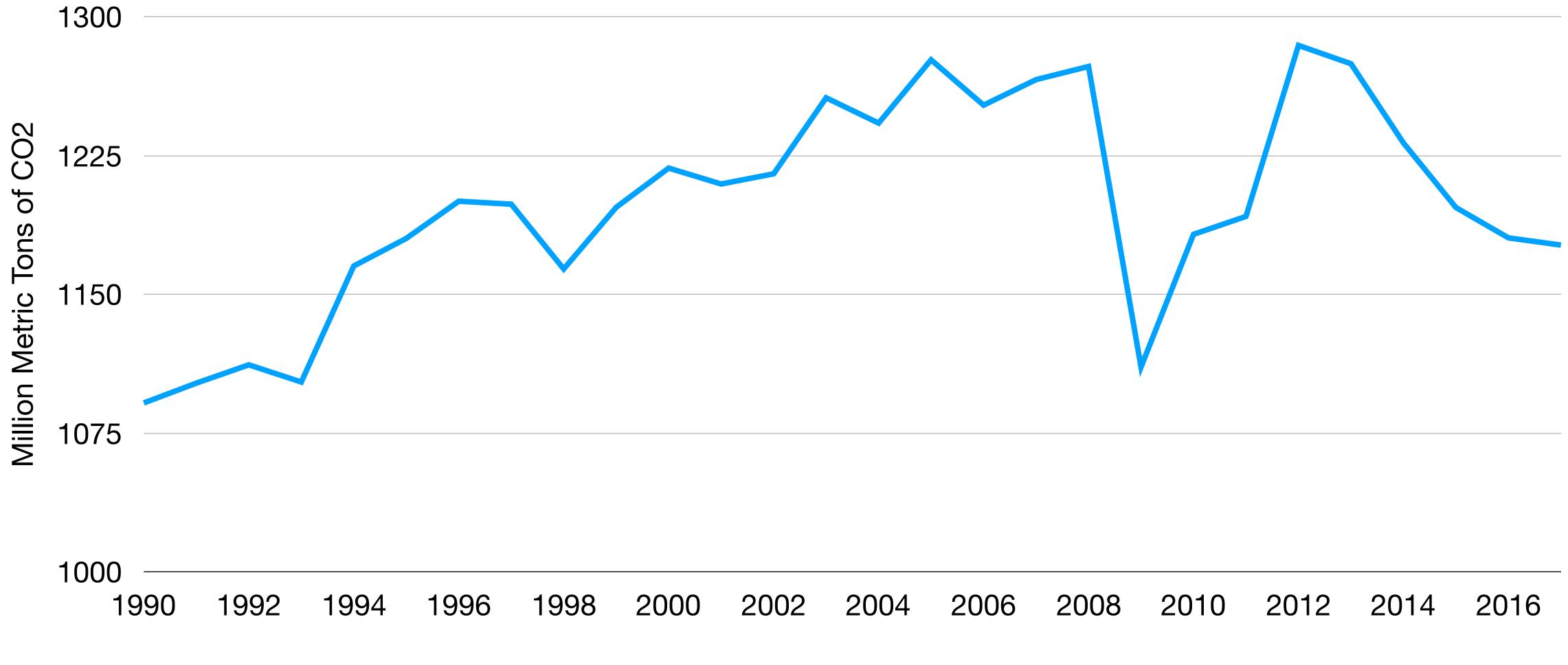
Source: Data from BP Statistical Review of World Energy, referring to 1985 - 2017 electricity generation



Source: Data from BP Statistical Review of World Energy, referring to 1985 - 2017 electricity generation

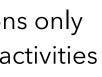


Japan's CO2 Emissions, 1985-2017

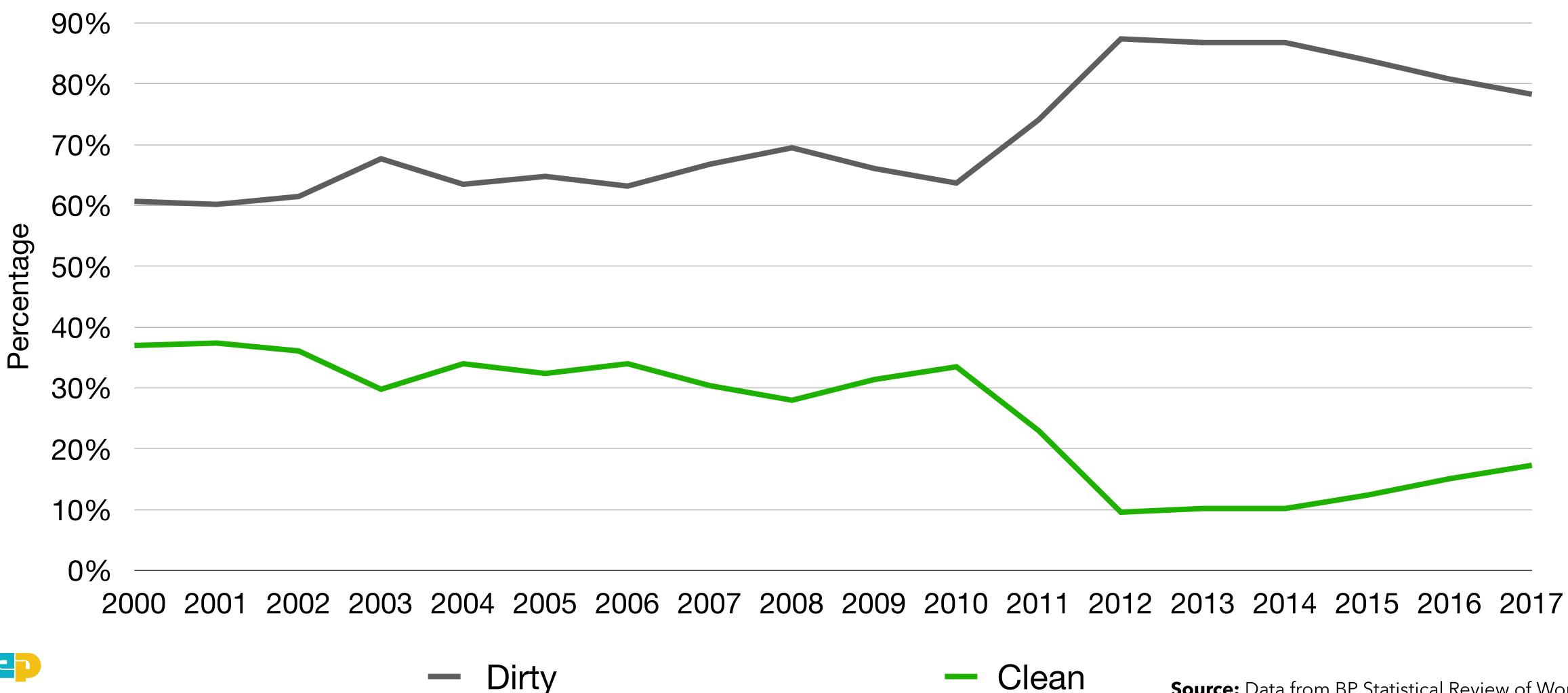




Source: Data from BP Statistical Review of World Energy, emissions only include consumption of oil, gas and coal for combustion related activities



Japan's Share of Clean Electricity, 2000-2017





Clean

Source: Data from BP Statistical Review of World Energy, referring to 2000 - 2017 electricity generation percentage

Wind uses 925 times more land than Nuclear



Aoyama Plateau Wind Farm



Takahama Nuclear Plant

Source: Comparison between a facility like Takahama and assumed production from Aoyama Plateau Wind farm. Takahama 3220 MW net capacity would produce 24 TWh per year on an approximate land area of .78 square kilometers, for a density of 31 TWh per square kilometer. Aoyama has a power density of .033 TWh per square kilometer.



Solar uses 386 times more land than Nuclear



Setouchi Kirei Solar Power Plant

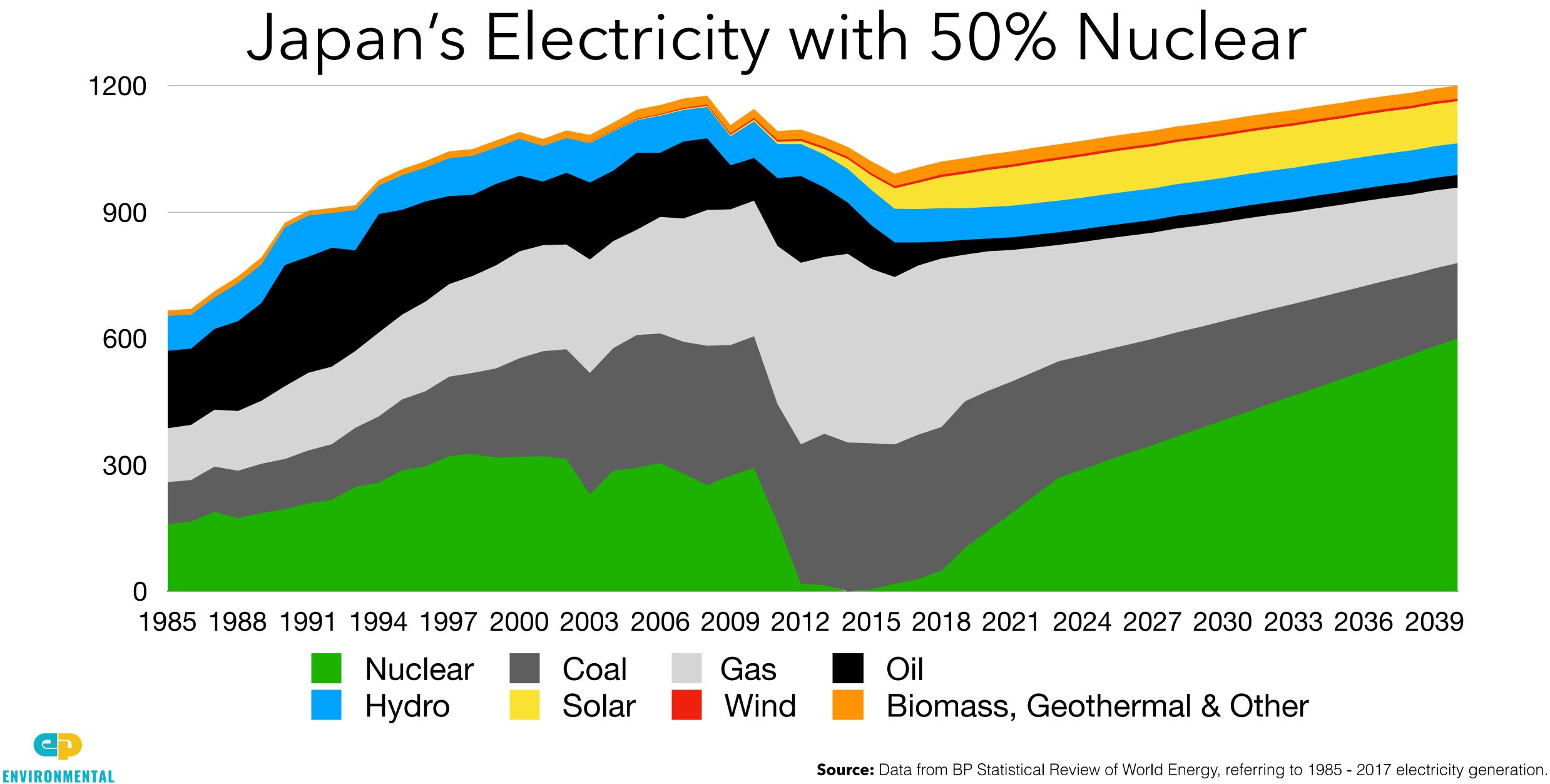


Takahama Nuclear Plant

Source: Comparison between a facility like Takahama and assumed production from Setouchi Kirei Mega Solar Power Plantt. Takahama 3220 MW net capacity would produce 24 TWh per year on an approximate land area of .78 square kilometers, for a density of 31 TWh per square kilometer. Setouchi has a power density of .08TWh per square kilometer.

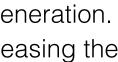


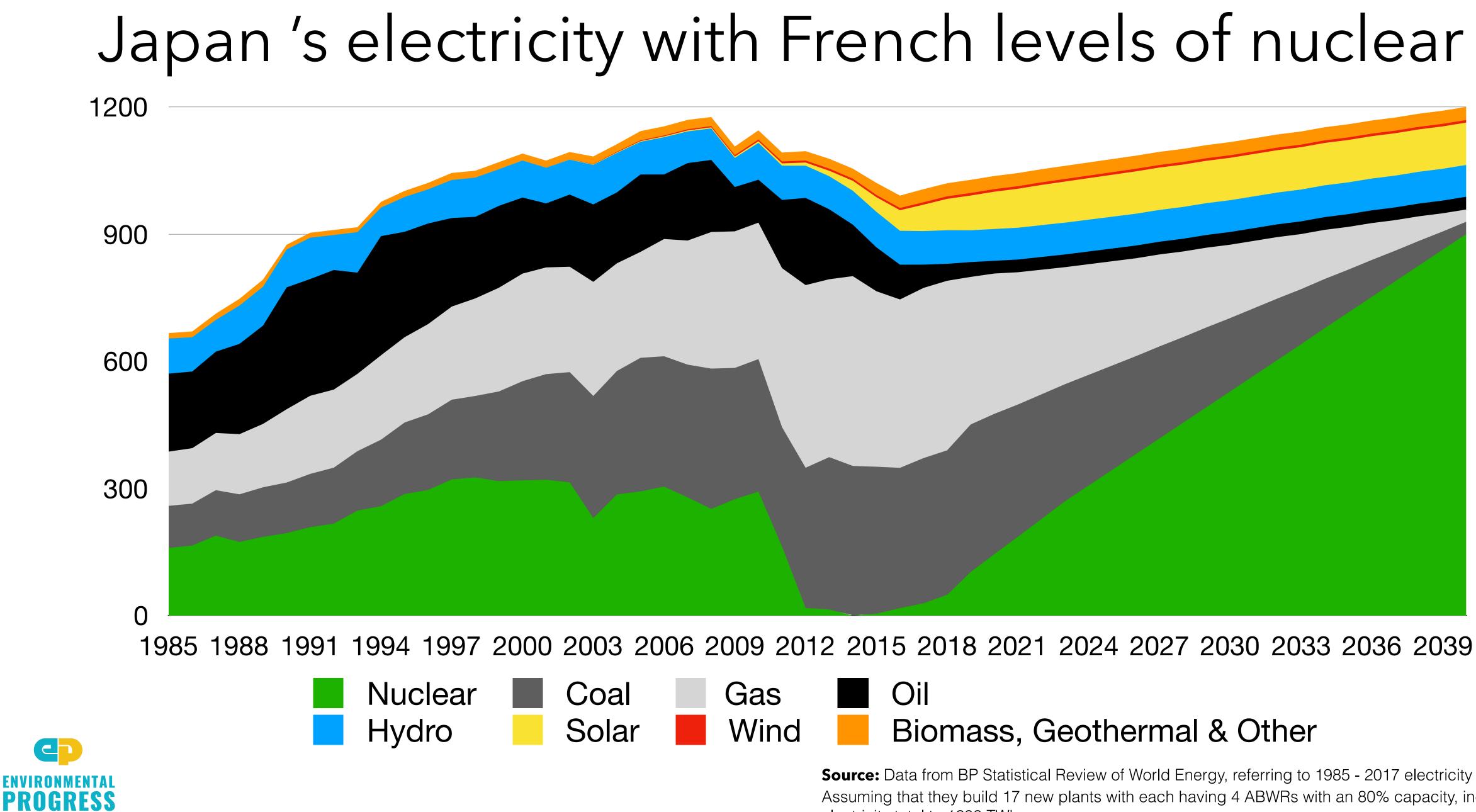




PROGRESS

Assuming that they build 9 more plants with each having 4 ABWRs with an 80% capacity, increasing the electricity total to 1200 TWh.





Source: Data from BP Statistical Review of World Energy, referring to 1985 - 2017 electricity generation. Assuming that they build 17 new plants with each having 4 ABWRs with an 80% capacity, increasing the electricity total to 1200 TWh.

