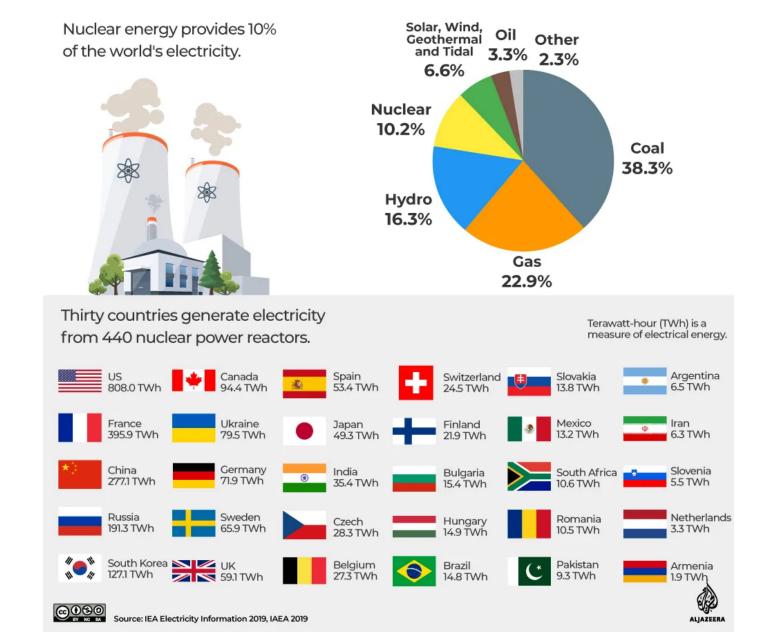
NUCLEAR ENERGY World electricity production



https://www.aljazeera.com/featu res/2020/7/23/is-nuclear-powera-problem-or-a-solution

Nuclear Energy: Environmental Impact at a Glance Exploring the Impacts of Nuclear Energy

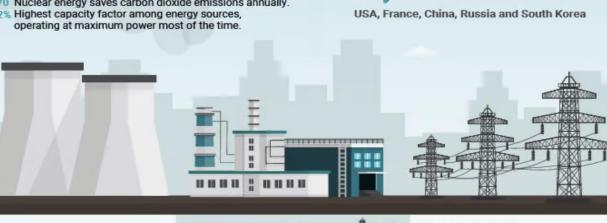
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Environmental Impact:

Low Greenhouse Gas Emissions: Nuclear power emits 30 times less CO2 than coal. High Energy Output: One uranium fuel pellet generates as much energy as 17,000 cubic feet of natural gas. One nuclear reactor requires between 1,514L and 2,725L litres of water per MWh, equating to billions of gallons of water per year.

A Global Perspective:

- 11% Nuclear Power contributes to the world's electricity.
- 450 Nuclear reactors are in operation worldwide.
- 470 Nuclear energy saves carbon dioxide emissions annually.
- 92% Highest capacity factor among energy sources, operating at maximum power most of the time.



Safety: Deaths per TWh for nuclear energy are only 0.07, compared to higher rates for fossil fuels. Nuclear power is one of the safest forms of energy.



Comparative CO2 Emissions: Nuclear: 12 grams CO2/kWh Coal: 820 grams CO2/kWh Natural Gas: 490 grams CO2/kWh

Waste Management: 95% of used nuclear fuel can be recycled. Radioactive waste can remain hazardous for thousands of years.



For a sustainable future, the balance between benefits and challenges of nuclear energy must be carefully managed.

SC GREENMATCH

https://www.greenmatch.co.uk/blog/n uclear-energy-bad-for-environment