



NUKE IT UP!

We continue to have many discussions about the need for clean and affordable energy, and able to generate low levels of CO2.



Nuclear power is intrinsically the best long-term option that provides continuous and highly reliable energy 24/7 and is suitable for large scale grid use with no CO2 generation. Wind and Solar due to its inherent intermittency is only useful in localized low power and off grid situations.

Many nations that have already significantly adopted nuclear power enjoy a far lower energy cost and a more stable energy grid. The new generations of nuclear technology will be even more scalable, portable and mobile as well as being capable of supporting high volume grid use in the most cost-effective manner after large scale adoption.

Nuclear energy offers affordable energy in enough capacity to support an industrial economy and the fuel can be repurposed into a circular economy to reduce waste and spent fuel storage issues.

It is safe ... far less lives have been lost from Nuclear than any other form of power generation. Yet we have many misinformed activists and media that generate false information about this powerful technology that we must combat with improved education and communication.

Although the initial capital outlay for nuclear power installation may be higher, and will demand volume grid level decisions, it offers a far better cost-benefit than alternative green technologies that cannot offer the stability and robustness and long service cycles needed for large scale power generation and distribution in a modern economy.

Further, as we scale up our use of this nuclear technology we will enjoy significant learning curve improvements in installation costs. Also, build and commissioning times will reduce especially if we adopt factory build strategies for the new generations of nuclear technology.

Nuclear power plant construction attracts mostly materials easy for the western world to mine and process such as steel, concrete, and uranium. With a far better supply chain compatibility than wind and solar that attracts foreign mining and processing that is environmentally very dirty with limited capacity and must be produced using vast amounts of very dirty fossil fuels. Also, we will be able to employ local labor, rather than become dependent on foreign production capacity for our future energy systems.

If we redeployed all our investments and resources consumed in the foolish quest for wind and solar into building a national nuclear energy system, we would eventually be enjoying far less expensive and clean electrical energy with enough spare and clean energy capacity to turn water into green hydrogen for the next generation of propulsion fuels.

Let's get started!

A good overview is at:

[Why I changed my mind about nuclear power | Michael Shellenberger | TEDxBerlin \(youtube.com\)](#)

Nigel Southway Author .. www.nigelsouthwayauthor.com