



US NUCLEAR ENERGY FOUNDATION

“Nuclear Advocacy through Grassroots Education”

A Non-Profit 501(C)(3) Nevada Foundation

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TO PLAY A “FAIR GAME” WE HAVE TO ADD RENEWABLE NUCLEAR

We are seeking people and other groups working to promote advanced nuclear power systems as a renewable energy, and challenge the renewable industry to **accept nuclear energy as RENEWABLE?** We know this is a heavy lift, but, it is one that is vital to the planet “**attempting**” to meet **zero** carbon emissions. Nuclear is a non-carbon energy which provides 20% of U.S. electricity and **60% of the emissions-free electricity** we actually use.



We need YOU to help us become “partners” in zero carbon renewable energies.

Nuclear already satisfies the criteria of zero carbon emissions. The second question is does it have an unlimited fuel supply, answer, yes. There are hundreds of years’ supply remaining of Uranium ore which can be mined. 94% of nuclear waste (spent nuclear fuels) can be reprocessed to new fuels. There are 240,000 tons worldwide (67,000 U.S.). What people don’t know, the largest body of recoverable radiation on the planet is the ocean, pretty much FITS the unlimited criteria.

In 1983, University of Pittsburgh physicist **Dr. Bernard Cohen**, author, “The Nuclear Energy Option” proposed that uranium is effectively inexhaustible and could therefore be considered a renewable source of energy. He claimed that fast breeder reactors, fueled by naturally-replenished uranium extracted from seawater, could supply energy at least as long as the sun's expected remaining lifespan of five billion years and following common definition of renewable resource that is not limited only to the energy it is renewable because it is “practically inexhaustible”.

Climate Coalition at: <http://climatecoalition.org/>

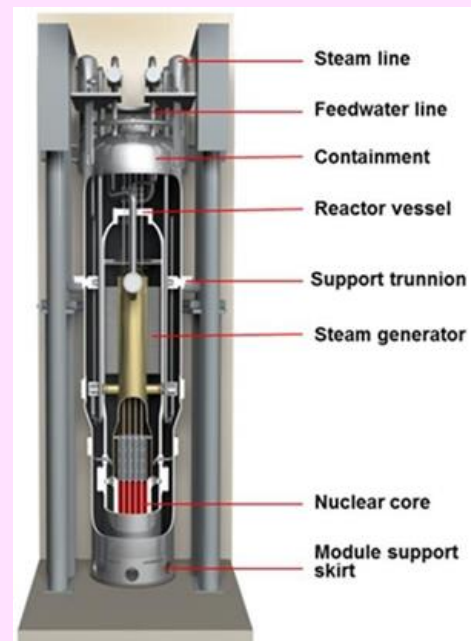
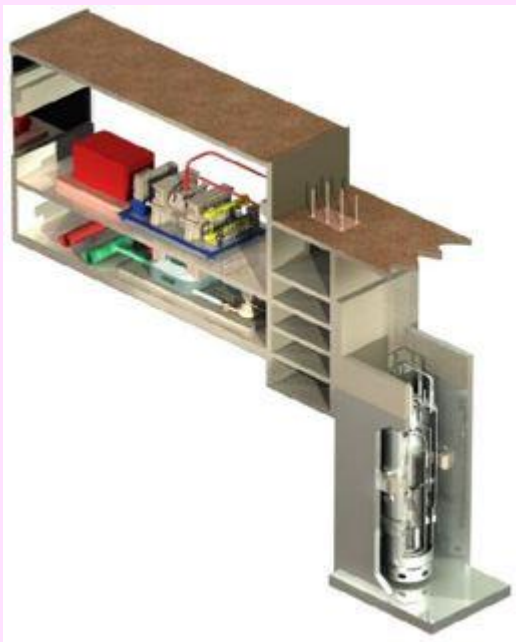
The DOE point of view at: <https://www.energy.gov/ne/articles/changing-game-linking-nuclear-and-renewable-energy-systems>:

If you or your group are interested in supporting this initiative, please contact us at:
comments@usnuclearenergy.org 775 224-2089

Why We Should Understand Advanced Reactors

A few bullet items from,
Jose Reyes, CTO NuScale Power

- A new era of investing in clean nuclear energy.
- NuScale receives major NRC certification, April 2018.
- A single module is 76' tall & 15' in diameter.
- 1-module = 60 mw of power, 55,000 homes.
- A 12-module plant = 660,000 homes.
- Why safer? Sits in a one-time fill of water as a heatsink.
- It is housed in a category-1 seismic building.
- All modules can shut down without computer or human intervention.



Nearly every factor in our lives eventually comes to a time for
REASSESSMENT!

It is “time” for Advanced Reactors NOW!