



Thorium Will Power The World

TEA Supports World Nuclear Day, UNECE Report Shows Nuclear Benefits, Nucleation Capital, Clean Core ANEEL Fuel Design, Thorium Coins Make Great Gifts

Thorium Energy Alliance Supporting 2nd Annual World Nuclear Day, Dec 2, 2021 The Organizers of World Nuclear Day are in the final planning stages of the 2nd World Nuclear Day. The TEA supports their work to promote and educate the public to the benefits of nuclear power. This will be a great opportunity for everyone who looks towards nuclear as a critical carbon-free source of power as the global community works for a cleaner, safer world.



From the Organizers of [World Nuclear Day](#):

"All over the world, people are making plans to celebrate World Nuclear Energy Day on December 2nd. The Inaugural World Nuclear Energy Day was on December 2nd, 2020 and is still making a BIG IMPACT AND IMPRESSION AROUND THE WORLD! Hits on the site and social media show there is a strong follow-on interest.

We are now planning for December 2nd, 2021, the 2nd annual World Nuclear Energy Day. The theme this year is "Nuclear in the Neighborhood" and have developed graphics, Logo's, Social Media Cards, Images, pictures and more in support of this theme. Lauren Kukla has created fantastic shared artwork.

See exciting social media posts under hashtag #WorldNuclearEnergyDay at <https://linktr.ee/worldnuclearenergyday>

Feel free to continue posting on Social Media with Hashtag #WorldNuclearEnergyDay and/or #NuclearInTheNeighborhood

During these planning meetings, we welcome new participants to join in to discuss their ideas, plans and leadership.

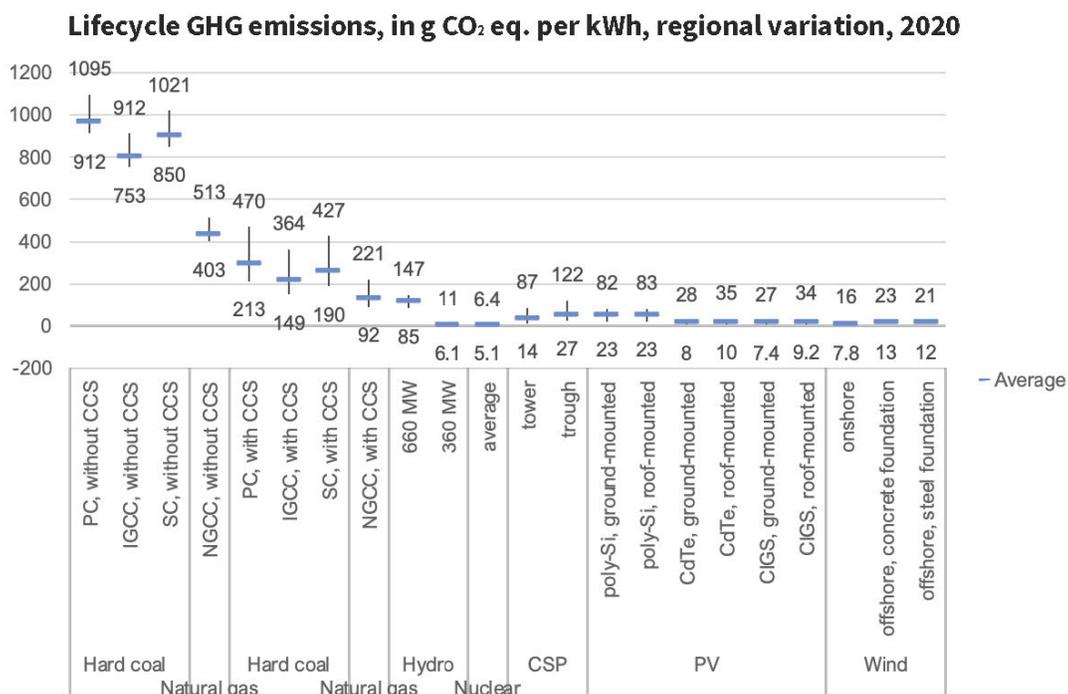
See ANS NewsWire online at <https://www.ans.org/news/article-2426/world-nuclear-energy-day-kicks-off-on-historic-date/>

LET'S MAKE HISTORY TOGETHER!

This year there are many more scheduled events all over the world. <https://worldnuclearenergyday.org/events>

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE (UNECE) has just published a [comprehensive report](#) analyzing the Lifecycle GHGs for power producing technologies. It clearly shows how Nuclear is the cleanest technology currently being utilized throughout the world. The report took into account the major factors which go into each technology's impact including Overall Land Use, Toxicity to Humans, Ionizing Radiation, Water Use and Material Resources. The model rates each power source by g of CO₂ equivalent per kWh. Nuclear comes in as lowest with a range of 5.1-6.4 g CO₂/kWh, far less than coal (753 - 1095) and natural gas (403 - 513). The chart below shows the relative amount of CO₂/kWh for Coal, Natural Gas, Hydro, Nuclear, PV and Wind.

Figure 1 Lifecycle greenhouse gas emission ranges for the assessed technologies



Nucleation Capital

A question of how to invest in Advanced Nuclear has come up in several forums. While there are many traditional 'nuclear' companies traded; Cameco, Westinghouse, GE, BWXT, etc. Those are more tilted to legacy systems and fuels.

Nucleation Capital, an early-stage, low-minimum, venture fund has recently formed a climate solution-focused [venture capital fund](#) that is now focusing on key breakthrough Nuclear technologies that will "disrupt" climate change.

Valerie Gardner and Rod Adams have a long record of supporting new nuclear ventures and wanted to create a low barrier subscription early stage fund to jump start the future.

Nucleation Capital believes that energy growth, combined with the urgency to eliminate CO2 emissions, will demand a more integrated and sophisticated combination of clean generation that doesn't rely entirely on intermittent sources. In this scenario, modular, high-capacity reactors help the world thrive by disrupting demand for carbon-emitting fossil fuels and powering CCUS.

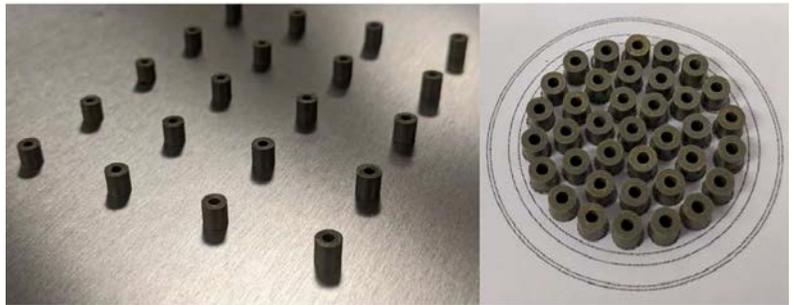
The Angel List Venture site manages subscription : <https://angel.co/v/back/nucleation-capital>



Clean Core Thorium Energy Announces the First Newly Fabricated Thorium-Based Advanced Nuclear Pellets for ANEEL.

As we've previously mentioned, [Clean Core Thorium Energy](#) has announced the fabrication of the first fuel pellets to be used in CANDEU and other pressurized heavy-water reactors (PHWRs). These pellets, manufactured from Thorium and high assay low-enriched uranium (HALEU), will provide benefits including safer proliferation risks, less waste management, and provide a more economical fuel option for operators. We are really excited to see a commercial Thorium Fuel Cycle make such strides towards a thorium-powered future.

James Conca is writing outstanding articles for Forbes regarding ANEEL Fuel and other nuclear issues. He has just published his [latest rundown](#) on how President Biden's Infrastructure Bill will help nuclear and associated industries. Conca argues that although funding for R&D in the Advanced Reactor sector is a positive step forward, not enough emphasis has been given to update our antiquated fuel supply chain. By supporting companies like Clean Core Thorium Energy and the new fuel system they are developing, this bill can produce immediate impacts while still supporting longer-term Advanced Reactor development.



Happy Thanksgiving from the Thorium Energy Alliance! We would like to wish everyone a sincere thanks as we get ready for Thanksgiving here in the US. Without you, this endeavor would be impossible. The TEA has been influenced by so many extraordinary people (far too many to list here) who have helped make our work possible in so many ways. You know who you are and we would like to just acknowledge how grateful we are.



Thorium Challenge Coins Make Great Gifts! As we gear up for the holidays please think of making a \$50 or greater donation to the Thorium Energy Alliance in your own or someone else's name and you'll both receive a one-of-a-kind [Thorium Coin](#).

Donate That Old Car! The TEA has recently updated our donation program and is currently accepting cars, boats, RVs and whatever else you need gone. If you're tired of looking at that old car sitting in your garage, today's the day to put that old hunk of metal to good use. [Donate](#) it today to the Thorium Energy Alliance!



Thanks to all the support from members new and old, we strive to promote Thorium as the Fuel of the Future. Please consider making a contribution to promote Thorium!

John Kutsch
Executive Director

Support the TEA

