



Thorium Will Power The World

TEA Presents at Annual ORNL MSR Workshop, Nucleation Capital, Tom Kerlin's Book, Milestone for Clean Core ANEEL, Fighting Fossil Fuels

John Kutsch, Executive Director of the TEA, Presents at the 2021 ORNL MSR Workshop. (Full Video [Here](#))

Earlier in October, John Kutsch was invited to speak to the assembled attendees of the 2021 ORNL Molten Salt Reactor Workshop. Mr. Kutsch gave a comprehensive "State of Thorium" presentation, highlighting the progress the TEA has made within advancements in the Thorium Fuel Cycle as well as non-nuclear uses. He also went on to implore the workshop attendees to give Thorium greater consideration as a fuel in MSR's based on its relative abundance, ease of production, inherent safety, and compatibility within the MSR system. John Kutsch also pointed out the lack of enthusiasm for Thorium within agency leadership and how the TEA is working hard to champion its use at all levels of governmental and private sector stakeholders.

A standout example is the Department of Energy Report on Thorium Uses that has been completed and is under review. The report is long overdue, but early signs show that Thorium and U233 were given due consideration. Let us hope it survives to the public release.

Additionally, [U233 issues](#) have become critical, as it seems that the USA stockpile will be destroyed and the remaining **U233** might be monopolized solely for medical isotopes.



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

[Clean Core Thorium Energy](#) said the first fuel pellets of its proprietary thorium-based nuclear fuel, called Advanced Nuclear Energy for Enriched Life (ANEEL), have been fabricated by Texas A&M Engineering Experiment Station's Nuclear Engineering and Science Center in partnership with the US Department of Energy's Idaho National Laboratory (INL). The fuel is being inspected before irradiation at INL. This is a critical step to full fuel qualification. This ANEEL fuel will be a large force in re-commercializing advanced uses for Thorium in industries from Energy to Rare Earths.

Clean Core Thorium Energy has also named Dr. Michael Binder, former President and CEO of the Canadian Nuclear Safety Commission (CNSC), to serve on its strategic advisory board. ANEEL is designed for CANDU reactors and no one brings more knowledge of these energy systems than Dr. Binder.



Another Legislative Loss for Clean Nuclear

From our friends at [Californians for Green Nuclear Power](#) comes a disturbing [report](#) that a recently signed bill in California regards natural gas as a "firm zero-carbon resource." This can't be further from the truth as Methane, CO₂, and CO are always emitted when natural gas is used in any capacity. This bill shows how the fossil fuel industry will go to any length to paint themselves as the clean future of energy. Thanks to groups like CGNP, and your voices wherever they can be heard, we need to promote the only carbon-free, scaleable and reliable source, Nuclear Power.

Tom Kerlin's "Future Energy" Now Free Online Download Link [Here](#)

Tom Kerlin, head of the Nuclear Engineering Department at the University of Tennessee and having served on the faculty for 33 years, is now pursuing new ventures. His professional interests include instrumentation, nuclear reactor simulation, and dynamic testing for model validation. He has published extensively on these topics.

In addition to his university service, Dr. Kerlin founded a spin-off company, Analysis and Measurement Services Corp., to provide the nuclear industry with the testing capability that he invented for safety system sensors. Dr. Kerlin's method has been used hundreds of times in nuclear power plants in the U.S. and around the world. Upon retiring, Dr. Kerlin studied the literature on energy production and use and concluded that there was a need for a comprehensive book on our future options that even non-specialists would understand. [This book](#) is the result.

Thorium Energy Alliance is very grateful that Dr. Kerlin has given us this honor to host his excellent piece of literature. It is a resource that will serve generations.

Future Energy: Opportunities and Challenges

Thomas W. Kerlin



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

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