



TEA Travels to El Salvador, Additional Alternative Fuel Cycle Reports

TEA Travels to El Salvador

Last week, John Kutsch and TEA team members traveled to the capital San Salvador to meet with El Salvadorian officials to advance the Energy Bridge Project. The trip included 3 days of meetings as well as on-site tours of selected sites throughout the country. The meetings were very productive by continuing to lay the groundwork for all aspects of the project. Technology assessment and implementation were discussed as well as workforce readiness, site evaluation, and financial opportunities. Additionally, international and domestic legal requirements were addressed to initiate project development. The group also toured through El Salvador to see first hand current energy installations, transmission & distribution equipment and major transportation sites.



"Being here in person makes all the difference in conducting a successful liftoff, meeting all the key people in person and seeing the country was well worth the trip," said John Kutsch. "Although we are starting with a small group, we were able to accomplish a lot of work. It's great to see such enthusiasm and dedication to this project from everyone involved," added Kutsch.



Next steps for the Energy Bridge Project were mapped out and assigned to various team members including members of the National Government, CEL and Ministry of Energy, Hydrocarbons and Mines, along with the TEA.

Two New Reports on Advanced Nuclear and Alternative Fuel Cycles

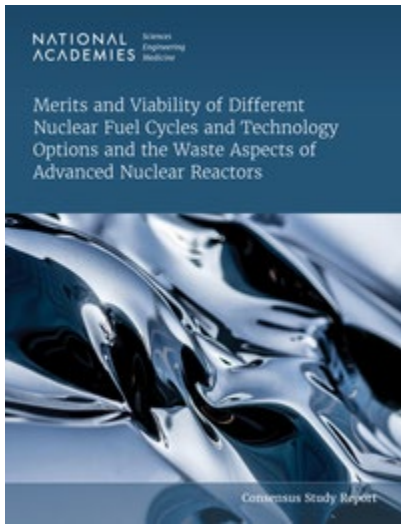
In addition to the report published last month by the IAEA, two new reports have been released assessing the viability of Advanced Reactor Technology and Alternative Fuel Cycles. The [first report](#) titled "**Alternate Fuels: Thorium and Uranium-233**" was prepared by the DoE under the direction of congress as stated in the 2020 Energy Act. Although the report was supposed to be presented within 180 days of the Bill's enactment, we are pleased to finally see the progress made as well as the conclusions: "This report describes the potential use of thorium fuel and uranium-233 (U-233) in future Generation IV reactor designs and in current light



Alternate Fuels: Thorium and Uranium-233

Report to Congress
March 2023

water reactors. Various thorium fuel cycle options using fertile thorium along with fissile uranium fuel could serve to increase fuel burnup, extend fuel resources, reduce the need for uranium enrichment facilities and uranium mining, and significantly lower spent fuel volume and waste radiotoxicity over time. This report describes the potential benefits, disadvantages, and economics of using thorium and U-233 to fuel nuclear reactors as well as the use of thorium for non-nuclear applications."



The [second report](#) was recently published by the National Academy of Sciences, Engineering, and Medicine titled "**Merits and Viability of Different Nuclear Fuel Cycles and Technology Options and the Waste Aspects of Advanced Nuclear Reactors.**" The basis for this report is in recent years, Congress, the U.S. Department of Energy (DOE), and the private sector have expressed considerable interest in developing and deploying advanced nuclear reactors to augment, and eventually replace, the operating fleet of large light water reactors (LWRs). Much of this interest stems from the potential for advanced reactors and their associated fuel cycles to better support the energy security and low-carbon electricity generation benefits of nuclear energy than existing LWRs because of their abilities, as claimed by their designers and developers, to reduce environmental impact (e.g., via better natural resource utilization, lower waste generation); to provide for safer and more proliferation-resistant nuclear energy systems; to increase the economic competitiveness of nuclear energy generation technologies; and, in some cases, to provide energy applications beyond electricity generation (e.g., process heat, desalination). The projected net loss of nuclear-generated power in the United States by the middle of this century provides additional motivation for pursuing new and advanced reactor designs.

Social Media Intern Needed - Contact the TEA Today!

If you or someone you know would like a summer internship to coordinate Thorium Energy Alliance's social media platforms contact us today. A social media intern would support the digital media staff to develop and implement outreach and promotional campaigns to boost TEA's outreach and online presence. The duties and responsibilities include:



Email admin@thoriumenergyalliance.com to inquire for this position.

Support the TEA today!

The Thorium Energy Alliance just received another car donation! Thanks to another generous supporter for another much-needed vehicle donation. Let us know if you'd like to donate a car or other vehicle to the cause.

Your generous support keeps us going. You can help in many ways including:

- [Donate](#) or Become a [Supporting Member](#)
- [Donate that old car](#)
- [Buy a shirt](#)

So grateful to everyone who has made all of our successes a reality. 2023 is shaping up to be the best Thorium Year yet!

John Kutsch
Executive Director

[Support the TEA](#)

