

ANTHEM

Advanced Nuclear Technology Helping Energize Mankind Act



The United States has a duty to promote the safe development of advanced nuclear technologies. Ohio sees an immense value in nuclear, recognizes the challenges that face the industry, and is uniquely poised to support a thriving advanced engineering sector. *The Ohio House recently petitioned the U.S. Dept. of Energy to coordinate development of advanced technologies with State partners.*

WHY GEN-FOUR DEVELOPMENT

- ◆ PASSIVE SAFETY
- ◆ FUEL DIVERSE, CARBON FREE
- ◆ MEDICAL ISOTOPE PRODUCING
- ◆ SCALABLE, MODULAR DESIGNS

Consortium

Developing an advanced reactor and licensing its use will likely be very expensive. *Legislation authorizes a for-profit public benefit Consortium to generate private investment* and in-kind technical aide to support rulemaking and construction of prototype reactors.

Authority

Regulatory uncertainty in the sector has forced many American based companies to look elsewhere to develop. *ANTHEM establishes a non-profit Authority to assume any delegated regulatory authority.* The Authority shall consist of appointed members representing stakeholder groups in safety, industry, and engineering R&D; whose purpose will be to facilitate the construction of prototype reactors and certify components for commercialization.



Advanced Nuclear Technology Helping Energize Mankind

Throughout history as our civilization has evolved, we have witnessed how the harnessing of energy has transformed our lives for the better. From primitive fires used by the cavemen of prehistoric times energy has evolved. Fire later transformed to created steam used in the expansion of the industrial revolution. Abundant energy lifted the standard of living for Americans and much of the world. As history progressed energy transformation was essential for the creation of electricity and it's acceptance as our modern day source of power.

As we evolve as a society, we must look at how our future energy needs can be met while at the same time being responsible to future generations, and how they will be impacted by our decisions. Clean energy will lift the lives of those in parts of the world where they struggle to provide clean water, proper sanitation and the ability to create work to raise their standard of living.

“HB 104 the ANTHEM ACT sets a lofty goal to provide safe, clean and affordable energy for all mankind”

With State and Federal leadership, our efforts could allow the 50,000 Americans each day who rely on life saving medical isotopes to have a reliable regionally created supply of medical isotopes manufactured here in Ohio's heartland. Nuclear medicine has been a staple of the American health care system since the 1970s, it runs almost entirely on Molybdenum-99, a radioisotope produced by nuclear fission of enriched uranium that decays so rapidly it becomes worthless within days.



By creating life saving medical isotopes, at home here in Ohio, we would improve the supply chain for these procedures while advancing the next generation of safe, affordable and abundant carbon free energy for all mankind.

The “ANTHEM Act” will allow Ohio to use its’ unique talents and resources to accomplish this worthy goal. With your help, we will be creating unparalleled opportunities for the citizens of our great state. We look forward to sharing our vision with all of those who have an interest in this exciting endeavor.



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