

Rise Up Australia Party's Thorium Energy Policy

Australia has upwards of 20-30% of the world resources of Thorium, but this is profoundly under-utilised.



Rise Up Australia Party (RUAP) places thorium energy for Australia on the table as one of the many energy solutions in our arsenal as a feasible consideration to solve Australia's energy challenges due to its inexpensive and clean provision of energy.



RUAP believes that because thorium, in its nature, is far less likely to be manufactured for fissile (nuclear) weapon use than some of its radioactive counterparts but rather for peaceful energy-producing purposes(1), an environmentally and socially conscious country like Australia is poised to accept its implementation.



Thorium fuel energy can be generated by a thorium nuclear reactor or as a thorium stored plasma battery.



One example of a battery energy output, albeit heavy, however is the following car battery: *'Within that system 1 gram of thorium produces the equivalent of 7,500 gallons of gasoline. So if you fit the Thorium engine with 8 grams of Thorium, it will run the vehicle for its entire lifetime without needing to be refuelled while all the time not producing any emissions. The engine lasts so long in fact, that it could be taken from one vehicle and used in another as and when they wear out.'* (2)



Because a thorium battery contains a higher energy output than coal production and could reduce an annual energy bill of \$3,500 a year to a conservative estimate of just \$250, the same cost of a basic weekly food bill; and if a single thorium plasma battery, the size of an AA battery, can keep the lights on in a standard house for a week! Businesses would start up again, homes can light up their Christmas decorations and, surprisingly, even an elderly pensioner can put the heater back on to survive the winter!



Any loss of income from the reduction of government tax revenue after any transition to thorium batteries can be offset with the financial solution from our tax reform policy. In a nutshell our policy simplifies the Australian tax system providing a fairer taxation distribution. This includes the taxation of big foreign-owned businesses, some who historically have not paid any tax in Australia, however we would provide tax benefits for companies (foreign or domestic,) who embark on the production of a household usable battery with recyclable options.

If elected RUAP MP's would initiate an investigation into how Australia can position itself on the world scene, and in the first instance consider how thorium batteries can be provided for public use as an alternative to electricity, oil and gas. We would put together a package for household /domestic use; small business; agriculture and farming; Australian owned local and off shore industry, providing incentive to keep manufacturing and production in Australia and to encourage its return to Australia.

We will also further investigate the feasibility of thorium reactors in Australia as a more useful, efficient and lower risk nuclear energy solution to Uranium. RUAP appreciates how populated countries like China, with major energy demands and environmental challenges, have initiated a program for the establishment of a thorium reactor/s (3). RUAP asks, in comparing Australia, having far less energy demand than China, how our nation has managed to find itself in a crisis of inconsistent energy provision.

Rise Up Australia party would address the international and domestic pressure to reduce emissions coupled with prohibitive costly energy bills for just about every Australian and their businesses. Our concern is: that

Should Australia continued on its current trajectory, we would observe a downwards spiral in our economy and way of life, plunging us all literally in to the dark.

RUAP states that thorium should be considered as a feasible and innovative energy, and that with the appropriate technology, already in existence, we should be able to use and produce this renewable energy in a safe, clean manner. Thorium will enable Australia to enjoy consistent and clean energy, and assist in solving the Australian energy crisis, now and into the future.

Rise Up Australia does not believe, nor would we consider thorium as the total answer to Australia's energy. We realize there are billions of dollars invested already in using the energy sources we have currently;

we are not about destroying the companies, infrastructure, technology and jobs that are already in existence. On the other hand, we cannot bury our heads in the sand and pretend we don't see the limitations of our resources and the cost explosion to the nation of our fundamental requirements: electricity, oil and gas.

RUAP, by no means, steps back from our current clean energy policy! On the other hand, thorium is embedded into our clean energy policy.

We firmly believe in the full fisted approach of having several sources of energy at our disposal; but having said this, we propose that there are better and more efficient ways to produce safe, economical energy, and we must engage in a transition to thorium-based energy over time to around 50% of our power production. It is our intention to work to this cause.

RUAP supports the primary investigation of the use and timeframe-delivery-mapping of the Thorium plasma battery with a view to the eventual accessibility for all Australians and their businesses.

See our Natural Energy Policy in conjunction with this policy. Thorium.

<http://riseupaustrialiarty.com/wp-content/uploads/2017/12/Rise-Up-Australia-Party-Clean-Energy-Policy-Renewable-Energy.pdf>

- 1 <https://bearroombrawl.wordpress.com/2011/01/17/thorium-vs-coal-and-the-hands-down-winner-is/> "Since thorium has almost no weapon potential it was unattractive to the US and the Soviet Union even for civilian reactors and peaceful uses."
- 2 <http://www.thoriumenergyworld.com/china.html> 'The validation and implementation of the TMSR program will provide a feasible solution to ensure national energy security, promote energy saving, and reduce CO2 emissions in China.'
- 3 <https://www.geek.com/geek-cetera/8-grams-of-thorium-could-replace-gasoline-in-cars-1412123/>