

## Thorium Energy, Inc.

"The Green Alternative"Thorium: "The Lemhi Pass district has the largest known resource of thorium veins in the United States" US Geological SurveyThorium Energy, Inc. has one of the largest documented high-grade thorium properties in the world-approximately 80% of the U.S. known and estimated reserves. Thorium is a superior nuclear fuel and has several important advantages over uranium:

- Thorium powered nuclear reactors are more efficient and produce less than 1% of the waste of today's uranium nuclear reactors.
- Thorium reactors are safer, less expensive, smaller and can be configured to eliminate the possibility of melt downs or accidents.
- Thorium does not produce plutonium and thus, could effectively eliminate further weapons production in volatile regions and reduce proliferation on a global scale, thus ending stalemate arguments over dubious nuclear programs such as exist in Iran and North Korea.
- Proprietary thorium technology, capable of safely and efficiently dismantling nuclear stockpiles and eliminating spent uranium, now exists.

Rare Earth Metals: "The Lemhi Pass thorium veins not only have substantial resources of rare earths but also tend to be abnormally enriched in Nd (neodymium)." - US Geological Survey In addition, Thorium Energy, Inc. also has large resources and reserves of high-grade, rare earth metals within its properties. The United States uses over \$1 Billion of rare earth metals annually - the majority of which is becoming increasingly owned by and imported from China at a rapid pace.

- Rare earth metals are VITALLY important to the US national security and defense.
- Rare earth metals are CRITICAL to many "green" technologies such as; wind generation, hybrid vehicles and magnets. Rare earth metals have a growing US government and industrial demand, and a supply that is INCREASINGLY jeopardized by restrictive Chinese export quotas.

United States Government Thorium Legislation (Also see "Legislation Tab")

Senate Bill, S.3680: Senator's Orin Hatch and Harry Reid - To amend the Atomic Energy Act of 1954 in order to provide for thorium fuel cycle nuclear power development as a prelude to electrical generation.  
<http://www.govtrack.us/congress/billtext.xpd?bill=s110-3680>

Congressional Bill HR1534:

Congressman Joe Sestak - To direct the Secretary of Defense and the Chairman of the Joint Chiefs of Staff to carry out a study on the use of thorium - liquid fueled nuclear reactors for naval power needs, and other purposes.  
<http://www.govtrack.us/congress/billtext.xpd?bill=h111-1534> June 20, 2009:  
<http://newsblaze.com/story/20090620073754zzzz.nb/topstory.html>

Congressional Bill HR2015: Congressman Joe Sestak - To instruct the Secretary of Energy to carry out a study of thorium-fueled nuclear reactor technology to determine where the US stands compared to the rest of the world in the development and deployment of this technology. <http://www.govtrack.us/congress/billtext.xpd?bill=h111-2015>

June 29, 2009: [http://sestak.house.gov/apps/list/press/pa07\\_sestak/PR\\_090626\\_CapTrade.shtml](http://sestak.house.gov/apps/list/press/pa07_sestak/PR_090626_CapTrade.shtml)

Congressional Rare Earths Support:

Congressman Coffman supporting legislation concerning the strategic importance of rare earths:

June 29, 2009: <http://coffman.house.gov/2009/06/congressman-coffman-comments-on-fiscal-year-2010-defense-authorization-bill.shtml> Senator Evan Bayh (D-IN) and Representative Mike Coffman (R-CO) have both included amendments in the Fiscal Year 2010 National Defense Authorization Act requiring a government assessment of the availability of rare earth materials to support industry and the defense market. These studies will culminate with a report that proposes a strategy for ensuring a long-term domestic supply of rare earth materials, a report Thorium Energy Inc. believes will spur increased interest in the domestic market.

## United States Geological Survey (U.S.G.S.) Reports

### Thorium:

- The U.S.G.S. has recognized Thorium Energy as having the largest thorium reserves in the United States.  
<http://minerals.usgs.gov/minerals/pubs/commodity/thorium/myb1-2007-thori.pdf>

### Rare Earths:

- Thorium Energy, Inc. has been cited by the U.S.G.S. as having one of only five validated and substantial rare earths deposits outside of China.

- U.S.G.S. reports show that the properties held by Thorium Energy, Inc. have particularly high levels of rare earths, including very high levels of Neodymium. (visit the following links:) <http://minerals.usgs.gov/mrerp/Gillerman-06HQGR0170.pdf>

- U.S. Department of the Interior - U.S. Geological Survey - Rare Earths [Advance Release] September 2009  
[http://minerals.usgs.gov/minerals/pubs/commodity/rare\\_earths/myb1-2007-raree.pdf](http://minerals.usgs.gov/minerals/pubs/commodity/rare_earths/myb1-2007-raree.pdf)\*\*\*\* NEW PRESS RELEASE OCT 08, 2009\*\*\*\*New USGS Rare Earth Report Includes Thorium Energy, Inc.

Featured Video(s); CNBC on Rare Earths:

<http://www.cnbc.com/id/15840232?play=1&video=1214209086> <http://www.youtube.com/watch?v=eU3cUssuz-U>Featured

News Article(s); China Tightening Control of Rare Earth Minerals - NYTimes.com Sumitomo deal with Kazakhstan to supply rare earth minerals

[http://business.timesonline.co.uk/tol/business/industry\\_sectors/natural\\_resources/article6793853.ece](http://business.timesonline.co.uk/tol/business/industry_sectors/natural_resources/article6793853.ece) August 12, 2009

Leo Lewis, Asia Business Correspondent for Times Online ~~~~~ US News & World Report; America's New Energy Dependency: China's MetalsA clean-energy economy needs rare-earth metals to succeed. China has a near

monopolyBy Kent Garber - Posted July 1, 2009: <http://www.usnews.com/articles/news/national/2009/07/01/americas-new-energy-dependency-chinas-metals.html> Thorium Energy Inc's

Blog<http://thoriumenergyinc.blogspot.com/2009/04/green-energy-thorium-solutions.html> Visitors by countries (since June 2, 2009) <a href="http://s04.flagcounter.com/more/iiQ"></a>