



**Magneto-Inertial
Fusion Technologies, Inc.**

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March 15, 2017

Chairman John Barrasso
307 Dirksen Senate Office Building
Washington, D.C. 20510

Dear Chairman Barrasso,

Humankind is on the verge of a technological breakthrough that will rival the discovery of electricity, the automobile, human flight, television, modern medicine, space travel, fiber-optics, cellular phones, personal computers, and the Internet. All these historical milestones occurred within the last 150 years. All were transformative, and changed the world in ways few might have imagined. The world is now on the threshold of another groundbreaking event. This breakthrough is in harnessing the power of nuclear fusion; the fundamental energy source of the Universe.

It is for this reason that I cannot stress enough the importance of and support for the reintroduction of S. 512 – The Nuclear Energy Innovation and Modernization Act (NEIMA). I believe that there will be a nuclear revolution for reliable, clean, environmentally safe, carbon-free, cost-effective energy in the near term.

The U.S. Government plays a critical role in the invention and modernization of current nuclear technologies. The Department of Energy's Advanced Research Project Agency – Energy (DOE/ARPA-E) is the premier agency tasked with the advancement of the next generation of scientific and innovative discoveries. The government's support is especially important for the new nuclear revolution in small modular reactors (SMR's) and pre-fabricated, decentralized power stations vital to our energy future. Whether it is for fission or fusion-based reactors, the passage of S. 512 is paramount in bringing the NRC into the mainstream regarding advanced nuclear reactors and the licensing of those companies pursuing the ultimate clean energy technology.

Our company, Magneto-Inertial Fusion Technologies, Inc. (MIFTI), supports the reintroduction of S. 512 and its successful passage through the House and Senate.

Sincerely,

A handwritten signature in black ink, appearing to read "Gerald Simmons", written over a white background.

Gerald Simmons
CEO
Magneto-Inertial Fusion Technologies, Inc. (MIFTI)

GWS/alj

CC:

Senator Mike Crapo
Senator Sheldon Whitehouse
Senator Cory Booker
Senator Jim Inhofe