



February 24, 2016

The Honorable Lamar Smith
Chairman
House Committee on Science, Space and Technology
2409 Rayburn House Office Building
Washington, DC 20515

The Honorable Eddie Bernice Johnson
Ranking Member
House Committee on Science, Space and Technology
2468 Rayburn Office Building
Washington, DC 20515

The Honorable Randy Weber
Chairman, Subcommittee on Energy
House Committee on Science, Space and Technology
510 Cannon House Office Building
Washington, DC 20515

Dear Chairman Smith, Ranking Member Johnson, and Chairman Weber:

On behalf of TerraPower, LLC, I would like to congratulate and thank you for sponsoring and introducing H.R. 4084 – the Nuclear Energy Innovation Capabilities Act. TerraPower proudly supports you in this effort.

TerraPower is one of approximately forty startup companies in the U.S. that are working on the next generation of advanced nuclear reactor designs that could dramatically reduce the world's emissions and carbon footprint. According to a recent report by the Third Way, new nuclear companies, like ours, have been successful in raising almost \$1.3B in private capital to fund the initial research and development. TerraPower is currently engaged in, and paying for, work with many of the U.S. Department of Energy's national laboratories, U.S. universities, and private companies, where unique, one-of-a-kind facilities and expertise exists.

Nuclear energy in the U.S. has reliability factors above 90% – higher than any other electricity source – and accounts for 2/3 of our domestic carbon-free energy. The high reliability combined with zero emissions makes a powerful case for continuing



development of advanced reactors, especially when taken in the global context. H.R. 4084 is an important step in assuring the U.S. leads the world in providing an atmosphere for innovation in development of advanced nuclear reactors that will provide clean, emissions-free energy to a growing population. Electricity will see the largest growth of all energy sectors over the next several decades, effectively doubling by the 2040 timeframe, and maintaining U.S. leadership in nuclear energy is important as the world moves toward carbon-free energy sources.

Sincerely,

John R. Gilleland, Ph.D.
CTO
TerraPower, LLC