September 10, 2015



Mr. Harry Hamlin 3007 Lake Glen Dr Beverly Hills, CA 90210

Ref: Fusion Energy Video Game Project & Energy Consortium

Dear Harry:

This letter represents an urgent issue. Yet it is one that only a handful of people are addressing. And you are one of them. Your interest in fusion energy and early investment in Tri-Alpha Energy makes you a visionary and a leader in the future of energy.

Recently Bill Gates's publically discussed renewable energy and the need to subsidize scientific energy innovation because solar, wind, and the like can only supply a fraction of worldwide energy. Earlier, Google's Dr, Ross Koningstein & Dr. David Fork published an article in IEEE spectrum saying the same thing as Mr. Gates.

This is a worldwide issue and a moral issue because we have known the solution for many years. Yet over 1 ½ billion people in our world today live without electricity, let alone modern transportation. Our politicians are silent on fusion energy development.

In order for all people in the world to live comfortable lives with per capita energy availability near that of us in America, we must increase current total worldwide annual energy production by a factor greater than 5. This is not possible, and if it were it would deplete fossil fuel reserves before the end of this century. Today the United States has 4.5% of the world's population yet it uses **over 25%** of the world's annual energy production. "Alternative green and renewable" energy sources can supply less than 5% of projected 2050 total energy requirements. There is only one way to produce this amount of energy to support mankind. That is the conversion of mass into energy through nuclear processes; today fission and in the future...fusion.

The nuclear fusion roadblock is not science per se, but rather public perception, media inaccuracies, bias, and overzealous legal and environmental groups. America is giving up its lead in fusion science and technology superiority and countries like China, South Korea, and Japan are assuming the lead.

As I have told politicians at the federal level on both sides of the aisle, they must fess up to the American people and strongly state that the current green energy movement is too little too late.

Today we need to have an active and robust debate presenting the need for quantifiable levels of energy consistent with American's expectations and its national security interest, as well as the health and prosperity of all citizens balanced against the probability of climate impact. As this happens, people can get more comfortable with science and a sense that real scientists are evaluating this based on energy tradeoffs and the economy based on true prosperity...not just green energy hyped jobs only benefiting a few companies based on existing solar, wind, and similar strategies.

Nuclear fission and fossil fuels are the bridge to the future. Fossil fuels are finite and we must stand up and recognize that fact. And fission must ultimately be retired and followed by fusion. As a matter of national security and as a moral imperative to safeguard the future of all people in the world, Americans must unite to achieve this goal and demonstrate controlled fusion within a decade. In the interim Americans must understand the need for energy conservation and the successful achievement of this global energy mission.

Over the last four years I have become very involved in fusion energy advocacy. I am one of the founders of EnergyCite® LTD, and its consortium and I have written a series of articles on the history, politics, and failed fusion program efforts. These are indexed and published on our websites at:

http://www.fuelrfuture.com http://www.fusion4freedom.us

Look for my picture on the website's right hand side bar.

Many Ph.D. level scientists in the fusion community have declared our websites to be the best general websites on fusion energy education, history, news, ongoing fusion programs, and fusion videos anywhere. In the *Fusion Science* section, under *Innovative Confinement Concepts*, Tri-Alpha Energy is well covered under the heading category "Z-pinch."

Our next step is the development of an action packed video game series which will teach people the basics of energy science so that our citizens can fully understand, support, and contribute to fusion development both in the private and public sectors.

My EnergyCite® partner, Tom Tamarkin, will be contacting you shortly about the video game development project as well as the consortium plans. In the meantime please call me at my Hollywood office to discuss fusion further and how we can work together to make it happen. My office number is 310-858-0044.

Pat Boone