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New Energy Solutions And Implications For The National Security And The Environment: A Brief Overview for the US Senate

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The ultimate national security issue is intimately linked to the pressing environmental crisis facing the world today: The question of whether humanity can continue as a technologically advanced civilization.

Fossil fuels and the internal combustion engine are non-sustainable both environmentally and economically - and a replacement for both already exists. The question is not whether we will transition to a new post-fossil fuel economy, but when and how. The environmental, economic, geopolitical, national security and military issues related to this matter are profound and inextricably linked to one another.

The disclosure of such new energy technologies will have far-reaching implications for every aspect of human society and the time has come to prepare for such an event. For if such technologies were announced today, it would take at least 10-20 years for their widespread application to be effected. This is approximately how much time we have before global economic chaos begins due to demand far exceeding the supply of oil and environmental decay becomes exponential and catastrophic.

We have found that the technologies to replace fossil fuel usage already exist and need to be exploited and applied immediately to avert a serious global economic, geopolitical and environmental crisis in the not-so-distant future.

In summary, these technologies fall into the following broad categories:

- Quantum vacuum/ zero point field energy access systems and related advances in electromagnetic theory and applications
 - Electrogravitic and magnetogravitic energy and propulsion
 - Room temperature nuclear effects
- Electrochemical and related advances to internal combustion systems which achieve near zero emissions and very high efficiency

A number of practical applications using such technologies have been developed over the past several decades, but such breakthroughs have been either ignored due to their unconventional nature - or have been classified and suppressed due to national security, military interests and 'special' interests.

Let us be clear: the question is not whether such systems exist and can be viable replacements for fossil fuels. The question is whether we have the courage to allow such a transformation in world society to occur.

Such technologies - especially those which bypass the need to use an external fuel source such as oil or coal - would have obvious and beneficial effects for humanity. Since these technologies do not require an expensive source of fuel but instead use existing quantum space energy, a revolution in the world's economic and social order would result. These implications include:

- The removal of all sources of air pollution related to energy generation, including electric power plants, cars, trucks, aircraft and manufacturing;
- The ability to 'scrub' to near zero effluent all manufacturing processes

since the energy per se required for same would have no cost related to fuel consumption. This would allow the full application of technologies which remove effluent from smokestacks, solid waste and waterways since current applications are generally restricted by their energy costs and the fact that such energy consumption - being fossil fuel based - soon reaches the point of diminishing returns environmentally.

- The practical achievement of an environmentally near-zero impact yet high tech civilization on earth, thus assuring the long-term sustainability of human civilization.
- Trillions of dollars now spent on electric power generation, gas, oil, coal and nuclear power would be freed to be spent on more productive and environmentally neutral endeavors by both individuals and society as a whole.
- Underdeveloped regions of the Earth would be lifted out of poverty and into a high technology world in about a generation - but without the associated infrastructure costs and environmental impact related to traditional energy generation and propulsion. Since these new systems generate energy from the ambient quantum energy state, trillion dollar infrastructure investments in centralized power generation and distribution would be eliminated. Remote villages and towns would have the ability to generate energy for manufacturing, electrification, water purification, etc. without purchasing fuels or building massive transmission lines and central power grids.
- Near total recycling of resources and materials would be possible since the energy costs for doing so - now the main obstacle - would be brought down to a trivial level.
- The vast disparity between rich and poor nations would quickly disappear - and with it much of the zero-sum-game mentality which is at the root of so much social, political and international unrest. In a world of abundant and inexpensive energy, many of the pressures, which have led to a cycle of poverty, exploitation, resentment and violence would be removed from the social dynamic. While ideological, cultural and religious differences would persist, the raw economic disparity and struggle would be removed from the equation fairly quickly.

- Surface roads- and therefore most road building - will be unnecessary as Electrogravitic/ antigravity energy and propulsion systems replace current surface transportation systems.
- The world economy would expand dramatically and those advanced economies such as in the US and Europe would benefit tremendously as global trade, development and high technology energy and propulsion devices are demanded around the world. Such a global energy revolution would create an expanding world economy which would make the current computer and Internet economy look like a rounding error. This really would be the tide which would lift all ships.
- Long term, society would evolve to a psychology of abundance, which would redound to the benefit of humanity as a whole, a peaceful civilization and a society focused increasingly on creative pursuits rather than destructive and violent endeavors.

Lest all of this sound like a pipe-dream, keep in mind that such technological advances are not only possible, but they already exist. What is lacking is the collective will, creativity and courage to see that they are applied wisely. And therein lies the problem.

As an emergency and trauma doctor, I know that everything can be used for good or for ill. A knife can butter your bread - or cut your throat. Every technology can have beneficial as well as harmful applications.

The latter partially explains the serious national security and military concerns with such technologies. For many decades, these advances in energy and propulsion technologies have been acquired, suppressed and classified by certain interests who have viewed them as a threat to our security from both an economic and military perspective. In the short term, these concerns have been well-founded: Why rock the global economic boat by allowing technologies out which would, effectively, terminate the multi-trillion dollar oil, gas, coal, internal combustion engine and related transportation sectors of the economy? And which could also unleash such technologies on an unstable and dangerous world where the weapons applications for such technological

breakthroughs would be a certainty? In the light of this, the status quo looks good.

But only for the short term. In fact, such national security and military policies - fed by huge special interests in obvious industries and nations - have exacerbated global geopolitical tensions by impoverishing much of the world, worsening the zero-sum-game mind set of the rich vs. poor nations and brought us to a world energy emergency and a pending environmental crisis. And now we have very little time to fix the situation. Such thinking must be relegated to the past.

For what can be a greater threat to the national security than the specter of a collapse of our entire civilization from a lack of energy and global chaos as every nation fights for its share of a limited resource? Due to the long lead time needed to transform the current industrial infrastructure away from fossil fuels, we are facing a national security emergency which almost nobody is talking about. This is dangerous.

It has also created a serious constitutional crisis in the US and other countries where non-representative entities and super-secret projects within compartmented military and corporate areas have begun to set national and international policy on this and related matters - all outside the arena of public debate, and mostly without informed consent from Congress or the President.

Indeed this crisis is undermining democracy in the US and elsewhere. I have had the unenviable task of personally briefing senior political, military, and intelligence officials in the US and Europe on this and related matters. These officials have been denied access to information compartmented within certain projects, which are, frankly, unacknowledged areas (so-called 'black' projects). Such officials include members of the House and Senate, President Clinton's first Director of Central Intelligence, the head of the DIA, senior Joint Staff officials and others. Usually, the officials have little to no information on such projects and technologies - and are told either nothing or that they do not have a 'need to know' if they specifically inquire.

This presents then another problem: these technologies will not be suppressed forever. For example, our group is planning a near term

disclosure of such technologies and we will not be silenced. At the time of such a disclosure, will the US government be prepared? It would behoove the US government and others to be informed and have a plan for transitioning our society from fossil fuels to these new energy and propulsion systems.

Indeed, the great danger is ignorance by our leaders of these scientific breakthroughs - and ignorance of how to manage their disclosure. The advanced countries of the world must be prepared to put systems in place to assure the exclusive peaceful use of such energy and propulsion advances. Economic and industrial interests should be prepared so that those aspects of our economy which will be adversely affected (commodities, oil, gas, coal, public utilities, engine manufacturing, etc) can be cushioned from sudden reversals and be economically 'hedged' by investing in and supporting the new energy infrastructure.

A creative view of the future - not fear and suppression of such technologies - is required. And it is needed immediately. If we wait 10-20 more years, it will be too late to make the needed changes before world oil shortages, exorbitant costs and geopolitical competition for resources causes a melt-down in the world's economy and political structures.

All systems tend towards homeostasis. The status quo is comfortable and secure. Change is frightening. But in this case, the most dangerous course for the national security is inaction. We must be prepared for the coming convulsions related to energy shortages, spiraling costs and economic disruption. The best preparation would be a replacement for oil and related fossil fuels. And we have it. But disclosing these new energy systems carries its own set of benefits, risks and challenges. The US government and the Congress must be prepared to wisely manage this great challenge.

Recommendations for Congress:

- Thoroughly investigate these new technologies both from current civilian sources as well as compartmented projects within military, intelligence and corporate contracting areas;

- Authorize the declassification and release of information held within compartmented projects related to this subject;
- Specifically prohibit the seizing or suppression of such technologies
- Authorize substantial funding for basic research and development by civilian scientists and technologists into these areas;
- Develop plans for dealing with disclosing such technologies and for the transition to a non-fossil fuel economy. These plans should include: military and national security planning; strategic economic planning and preparation; private sector support and cooperation; geopolitical planning, especially as it pertains to OPEC countries and regions whose economies are very dependent on oil exports and the price of oil; international cooperation and security; among others.

I personally stand ready to assist the Congress in any way possible to facilitate our use of these new energy sources. Having dealt with this and related sensitive matters for over 10 years, I can recommend a number of individuals who can be subpoenaed to provide testimony on such technologies, as well as people who have information on unacknowledged special access projects within covert government operations which are already dealing with these issues.

If we face these challenges with courage and with wisdom together, we can secure for our children a new and sustainable world, free of poverty and environmental destruction. We will be up to this challenge, because we must be.