

International Earthquake and Volcano Prediction Center

P.O. Box 607147 * Orlando, FL 32860

(407) 994-5567 * www.ievpc.org

May 10, 2017

Rick Perry
Secretary of Energy
US Department of Energy
1000 Independence Ave. SW
Washington, D.C. 20585

Via Email: The.Secretary@hq.doe.gov

SUBJECT: New Earthquake Threat to US Energy Resources and Nuclear Facilities.

Dear Secretary Perry,

Congratulations on your recent appointment as the Secretary of Energy. I wish you the very best of success in the management of one our country's most important government organizations.

This letter is sent to you today because of the imminent threat to US energy resources and nuclear facilities that our team of scientists has detected based on years of accumulated research. This research was recently published in our book, "Upheaval! Why Catastrophic Earthquakes Will Soon Strike the United States."

The book "Upheaval!" explains why our country has just entered the most dangerous period for catastrophic earthquakes since its founding. Our team has uncovered that waves of these record earthquakes sweep across our nation roughly every 100 and 200 years in concert with declines in solar energy output which are always associated with climate shifts between warm periods and cold periods. This next long term drop in solar energy output, a "solar minimum" and the shift to a new cold climate has already begun. In fact, it is the combination of recent advances in climatology and seismology that have synergistically led us to our conclusions of this significant, US-wide earthquake threat.

As described in the book, we believe there is over an 80% chance that selected major US cities and some states will be physically or economically devastated between 2017 and 2038 in the next wave of record earthquakes in the range of M 6.5 to M8.0+. This is not just for the well-

known California cities who have heard of “The Big One’ coming for decades. It also includes a greater threat of the next major earthquake in the New Madrid Seismic Zone (NMSZ) which we believe is likely to lead to long lasting devastation to central US states as well as the northeastern states. The Northeast will be hit hard as a result of destroyed fuel and gas lines that now run directly through the NMSZ and supply much of these states’ energy. Alaska, South Carolina, and Puerto Rico are also identified in the book as high risk zones.

The need for this letter is supported based on information found in the May 9, 2017 article in the Wall Street Journal, “Plan Revived for Nuclear Waste Dump in Nevada.” That article discussed the “...121 locations in 39 states currently storing spent fuel from civilian reactors and nuclear waste from the military’s nuclear-weapons stockpile, submarines and aircraft carriers. The total includes about 15 nuclear plants no longer in operation, but excludes pending closures.” Unfortunately, many of these locations are in high risk earthquake zones.

In brief, we are facing an unprecedented loss of national energy production and distribution capability with the expected next series of catastrophic earthquakes. This situation also places a large number of US nuclear facilities and nuclear waste storage sites at particularly high risk for direct and collateral damage.

Therefore, I strongly recommend the immediate relocation of all spent nuclear power plant fuel and other related nuclear waste to the Yucca Mountain storage facility or other approved, earthquake safe, storage facilities that are well removed from the regions where we predict these catastrophic earthquakes. In addition, as covered in the book, it is recommended that all US nuclear facilities, government and commercial, be re-evaluated for design and safety of operations in view of this new increased earthquake threat.

FEMA estimates that some of these quakes could cause whole regions of the US to be without power for weeks or months. They also estimate property damage from just the predicted NMSZ earthquakes alone, could run between \$300 billion and \$600 billion.

Mr. Secretary, I sincerely ask that your department immediately launch a comprehensive preparation plan to make our country’s energy profile and nuclear facilities as safe as possible from the new earthquake threat that our team of scientists has uncovered. These predicted catastrophic earthquakes can begin to strike as early as tomorrow.

Sincerely,

John L. Casey
CEO