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**From:** Eldon Haines <Rain.Cat@comcast.net>  
**Sent:** Wednesday, May 24, 2017 11:27 AM  
**To:** HEE Exhibits  
**Subject:** SB 990

Dear Members of the Committee on Energy and Environment:

My PhD in nuclear physics and chemistry (UC Berkeley 1962) focussed on nuclear fission. By the time I graduated I knew that fission reactors were a terribly short-sighted solution for energy production.

The basic faults of fission reactors are no different today than they were in 1962: the fission of relatively benign Uranium and Thorium (and less benign Plutonium) produces a vicious brew of highly-radioactive waste. All attempts to safely store the radioactive waste failed: salt beds in Kansas, limestone beds in New Mexico, and most dramatically Yucca Mountain in Utah (and underground trains at Hanford). Our radioactive waste is now stored in unsecured water tanks near the responsible reactors. Trojan's, too.

Small “efficient” reactors are “cute,” but they are not more efficient; they will produce the same brew of radioactive waste per kWh produced as giant reactors. They may be cheaper to build and install, but they will store radioactive waste in unsecured local water tanks, just like the big reactors. This is a non-solution we can not accept.

Very respectfully yours, Eldon Haines, PhD

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