

## LevyCEM Resource

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**From:** TULENKO,JAMES S [tulenko@ufl.edu]  
**Sent:** Friday, December 05, 2008 10:43 AM  
**To:** LevyColeis Resource  
**Attachments:** 12-Levy statement.doc

Please find attached my presentation at the Levy EIS meeting of December 4th. I found it to be an excellently run meeting. I was quite impressed with the way the NRC handled the meeting.  
Good Job!!!

James Tulenko

"The best way to predict the future is to create it"

Emeritus Professor James Tulenko  
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**Good Day,**

**My name is James Tulenko and I am an Emeritus Professor from the Nuclear and Radiological Engineering Department at the University of Florida and I would like to speak in support of the Progress Energy application to build an AP 1000 reactor from Westinghouse at the Levy county site to serve the energy needs of the Citizens of North Central Florida. Nuclear energy today provides about 18 % of the world's electricity supply and 20% of the U.S. electricity supply, according to the Energy Information Agency. In France, nuclear energy provides approximately 80% of their electricity needs. France has 59 operating nuclear reactors. In fact, France generates so much low-cost power from nuclear, that it exports electricity to its neighbors, earning a considerable amount each year. Nuclear power is cleaner than coal, has demonstrated an excellent safety record and relies on a fuel found right here in North America. With regard to the waste question, the fissioning of a uranium atom releases 200 million electron volts. The burning of one coal atom releases 4 electron volts. Thus, on an atom for atom basis, nuclear creates 50 million times less waste. The final volume of nuclear waste from the French recycled fuel needed to power the home of a French family of four for 20 years is only slightly larger than a lipstick case. I have stood on top of all the nuclear waste stored in France and it is contained in one building. Pictured below with this statement is all the nuclear fuel waste stored at the Maine Yankee plant that operated for 25 years from 1972 to 1996 generating 900 MWe for the Maine citizens. One can enter into this area and safely touch each of these containers.**

**A major advantage of a nuclear power plant is that once built, electricity costs will remain relatively stable for the next 60 to 80 years, because the major costs are the capital cost of building the plant. Once built, the fuel costs are a minor part of the total cost, unlike natural gas. In Florida, we have 5 nuclear plants. Florida Power and Light has four, which are the two Turkey Point Plants and the two Saint Lucie Plants. And, of course, Progress Energy operates the Crystal River Plant right here in Crystal River. The 104 nuclear plants operating in the United States have shown that nuclear power is both safe and economic. Finally, the Levy Nuclear plant will be a major source of economic income for both the civil government and the citizens of Levy county through taxes and excellent employment opportunities.**

## ***Maine Yankee Spent Fuel***



All the high level waste for 25 years of operation |  
Message - not a lot of waste to be disposed of in the repository