

## TurkeyPointCEm Resource

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**From:** The Silver Nightingale [laurasue@silvernightingale.com]  
**Sent:** Tuesday, May 05, 2015 1:04 PM  
**To:** TurkeyPointCOLEIS Resource  
**Subject:** Comments re Draft Environmental Impact Statement - Turkey Point 6 and 7  
**Attachments:** FPL Feb 2015 insert.jpg; FPL Feb 2015 insert2.jpg

Re: Draft Environmental Impact Statement - Turkey Point 6 and 7

Dear Folks at the NRC,  
Here are my comments as presented in person at the hearing on April 22, 2015 at FIU in Miami. I have attached the graphic I referenced in my presentation.

Please let me know if you have questions or need additional information.

Thank you.

Sincerely,  
Laura Sue Wilansky  
PO Box 24245  
Fort Lauderdale, FL 33307

Thank you everyone for being here. It's good to be here on Earth Day, with the President right around the corner celebrating the Everglades. I helped organize the very first Earth Day celebration in Syracuse NY in 1970, where we raised money to preserve sensitive Central New York wetlands, and have been working to protect the environment since long before that. That's the same thing I'm doing here today.

I was born in the 1950's, and have been living with the threat of nuclear energy for my whole life, as long as I can remember. Although the dropping of atomic bombs on Hiroshima and Nagasaki was unspeakable, I believe the ongoing nuclear catastrophe at Fukushima poses the greatest threat to the future of life on Earth that we have ever seen. The people of Japan trusted the TEPCO power plant owners and developers who pooh-poohed the dangers of building multiple nuclear plants in that beautiful spot by the ocean. Their trust has proven to be woefully misplaced. (Added while speaking) So to Devin Caraza, the gentleman from FPL who spoke, you'll forgive me if I just can't take your word for it when you tell us everything is safe now.

After Fukushima, it's clear that nuclear energy is way too dangerous, and it's impossible to either prevent or clean up nuclear accidents. The very future of life on Earth is threatened by use of this form of energy! One accident, equipment malfunction, operator error, or terrorist attack at a nuclear plant could literally mean the end of life on Earth. If Fukushima didn't convince you, and you still think a disaster like can't happen at Turkey Point, just think about that little O-Ring on the Challenger. Here in Florida we can never forget that.

There is no way to guarantee 100% safety when using this technology, and when it comes to materials that remain deadly dangerous for tens of thousands of years, longer than all of human history, anything less than 100% safety cannot be considered safe. We humans are not infallible, and neither is anything we produce. Nor can we control - or

predict - the forces of nature, as much as we might pretend we can. This means that nuclear plants cannot, simply cannot be guaranteed to be safe. And when it comes to nuclear materials, anything less than 100% safety is just not good enough.

Nuclear plants are so dangerous even Wall Street won't invest in them, and they'll invest in almost anything, no matter how risky! If the commercial nuclear industry can't support itself after 50 years - and it can't - US taxpayers and ratepayers should not be required to support it with our tax dollars and massive CWIP (Construction Work In Progress) rate increases for plants that may never even be built or completed.

Now FPL want to build two more nuclear plants at Turkey Point. The plants that already exist, and the new ones proposed, as well as ALL that nuclear waste at Turkey Point, WILL be underwater in the foreseeable future. To me, that one fact is sufficient reason not to build these new plants. Game over! But if that's not reason enough for you, there are plenty of other compelling reasons. Here are a few:

The new reactors will require 90 million gallons a day of Miami-Dade's treated wastewater for cooling. The vented hot steam will likely contain household chemicals, pharmaceuticals, bacteria and viruses that end up in the county's wastewater. Even in small amounts, these can affect human health, as well as terrestrial and marine environments like mangroves, seagrass beds and coral reefs. The aerosol mist can be dispersed widely by wind and water.

If there is insufficient treated wastewater for cooling the reactors, the wells used for back-up cooling would become one of the largest well-fields in the Southeast, and could lead to further saltwater intrusion into the Biscayne Aquifer, a huge problem already impinging on South Florida's limited freshwater resources.

Turkey Point's neighborhood includes Biscayne National Park, and four other parks, wildlife and nature preserves, habitats and refuges. This is an extremely sensitive, irreplaceable and biodiverse area which could be devastated by even small amounts of the Uranium 235 fuel, Plutonium and other deadly toxic substances used in and generated by nuclear plants. As previously mentioned, there is no way to guarantee that some, or many of these substances will not find their way into the local environment. Some of these substances have a halflife of 80 million to over 700 million years! Can FPL, or the NRC guarantee they will be contained for all of that time? None of us know how to do that. Radiation from Fukushima is hitting US shores. Where do you think radiation and chemicals from Turkey Point will end up?

FPL is developing solar power too, but they are doing a teeny tiny fraction of what they could be doing. While 95% or more of their advertising and PR is devoted to promoting how much solar development they're doing, they are actually generating less than 1/10 of 1% (that's 0.01%) of their electricity through solar power. I know, I'm a customer and I read the brochures that come with my bills each month, and see the commercials on TV! Look at the graphs in their brochures and it's obvious! I brought the brochure that came with my February 2015 bill (see below) if you want to see it in their own words, in black and white - or rather green and white. But printing the info in green doesn't make what FPL is doing green - unless the green you're talking about is cash.

Investing in dirty, dangerous nuclear plants that may never even be

built is very profitable for FPL and its shareholders. That's why they want to do it. But it's a financial and environmental disaster for our local area, our state and all who live here.

With so many truly clean, safe, renewable and sustainable technologies now available and in development, there is no reason to build new nuclear plants, which will only drain much-needed resources from full development of better, safer technologies. We will get much better value and results from investing in these technologies.

This is THE SUNSHINE STATE! We should be leading the nation, heck, the world in solar development! Instead we rank 13th in total installed solar, and 20th in solar installed in 2014.

It's time to end the use of all nuclear power, and put ALL - ALL! of our resources into truly safe, clean and sustainable technologies like conservation, solar, wind, geothermal and others, which absolutely can, and will supply all the energy the state, and the world needs, without destroying the world in the process.

Please say NO to the two new nuclear plants at Turkey Point!

Thank you very much for listening to my comments.





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Just like you, we want the best for Florida. For us, this means always working to keep our state beautiful by providing clean, affordable electricity and protecting our natural treasures, including manatees.

One way we're making a difference is by providing a warm refuge at our energy center along Florida's coastal waterways and educating future generations about the importance of this vulnerable species to the ecosystem. We're building a Manatee Education Center which will help all of us better understand and learn more about these majestic creatures through a viewing area, exhibits and more. Scheduled to open next winter, the facility is located right next to our Riviera Beach Next Generation Clean Energy Center.

This more efficient clean energy center is also making tomorrow better by producing electricity with 90 percent fewer emissions than the power plant it replaced – helping keep electric bills low. Learn more: » [FPL.com/riviera](http://FPL.com/riviera)





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While our customers rate our overall service reliability among the best in the industry, we're never satisfied and always working to make our electric service even more reliable in good weather and bad. That's why we've invested billions of dollars to strengthen the electric grid. Learn more about our ongoing program.

» [FPL.com/reliability](http://FPL.com/reliability)

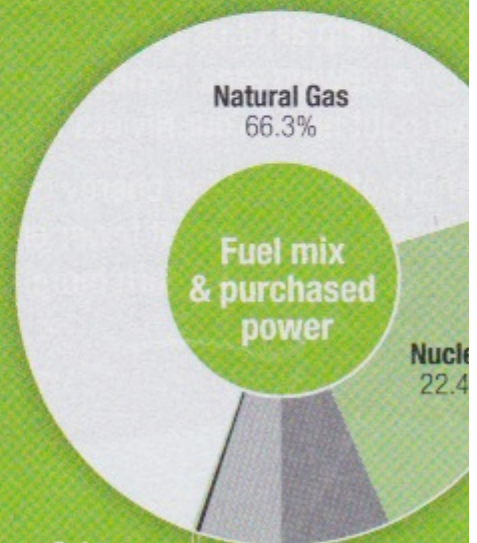
## Free tax help available

Doing taxes can be confusing and costly. That's why we wanted you to know that free tax assistance may be available. Low- to moderate-income Floridians may qualify for tax help through the IRS Volunteer Income Tax Assistance or Tax Counseling for the Elderly programs. Don't forget to ask about the Earned Income Tax Credit as well.

**15** Wed.  
April  
2015

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**Federal Register Notice:** 80FR12043  
**Comment Number:** 100

**Mail Envelope Properties** (C8DF93BF-F348-11E4-9ADB-000A95A76C3A)

**Subject:** Comments re Draft Environmental Impact Statement - Turkey Point 6 and 7  
**Sent Date:** 5/5/2015 1:04:26 PM  
**Received Date:** 5/5/2015 1:04:52 PM  
**From:** The Silver Nightingale

**Created By:** laurasue@silvernightingale.com

**Recipients:**  
"TurkeyPointCOLEIS Resource" <TurkeyPointCOLEIS.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** silvernightingale.com

Files	Size	Date & Time
MESSAGE	7361	5/5/2015 1:04:52 PM
FPL Feb 2015 insert.jpg		637867
FPL Feb 2015 insert2.jpg		629692

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**







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### Ask the Energy Expert



How much does it cost to  
run a hot water heater?

