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# PUBLIC SUBMISSION

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Notice of Intent to Conduct Scoping Process and Prepare Environmental Impact Statement NextEra Energy Point Beach, LLC; Point Beach Nuclear Plant, Unit Nos. 1 and 2

**Comment On:** NRC-2020-0277-0001

Notice of Intent To Conduct Scoping Process and Prepare Environmental Impact Statement; NextEra Energy Point Beach, LLC, Point Beach Nuclear Plant, Units 1 and 2

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## General Comment

Attached are my comments

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## Attachments

Comments to NRC re Pt Beach

## Re: Comments on NRC Scoping Review of Point Beach Units 1 and 2 and Subsequent License Review

It is widely known and recognized by many that Point Beach Unit 2 has the worst-embrittled reactor pressure vessel of any pressurized water reactor in the country, matched only by that of the Palisades Nuclear Plant on the shores of Lake Michigan. That the NRC staff has acknowledged this fact more than 8 years ago and yet has accepted NextEra's application for license extension for an additional total 80 years of operation is absolutely astonishing!

Continuing operations of Point Beach for additional decades resulting in additional decades of neutron radiation bombardment will only increase the risk of a pressurized thermal shock, through-wall fracture of the embrittled reactor pressure vessel, core meltdown, and catastrophic release of hazardous radioactivity. The U.S. Nuclear Regulatory Commission's own CRAC-II report in 1982 predicted 500 peak early fatalities (from acute poisoning), 9,000 peak early injuries (from radiation), and 7,000 latent cancer fatalities in the event of a core meltdown at Point Beach 2. The predicted property damages, in current figures adjusted for inflation, would likely be in the area of at least \$119 billion.

Environmental damage by radiation to people, animals, the land, air and the waters is not understood by the public, that being: **There is no safe level of ionizing radiation, especially on women, on pregnant women, and young children.**

The history of multiple shutdowns, accidents, violations and red flags at this facility must be recognized as the huge threats they are to the public, the facilities employees, and the environment. From cooling water pumps and other instrument failures, multiple serious accident and safety violations over more than a dozen years of operations and elevated amounts of radioactive water releases into Lake Michigan are symptoms of a degraded reactor state that should not be allowed to continue even to the current license extension. The lack of data made available to the public about the discharges to Lake Michigan from power plants like Point Beach in the area of Green Bay, Appleton and Sheboygan, whose populations have soared in recent years, and the negative effects they emit should published. The NRC also needs to take a hard look at:

- the tremendous costs of continuing to operate a seriously compromised reactor
- the tremendous costs of storing and managing radioactive waste which will last hundreds of thousands of years, for which there is no known way to safely "dispose" of it
- the lack of distribution of KI within a radius up to 50 mile radius of the plant (an American Thyroid Association recommendation)

- the negative effect on the nation's economy by taxpayers supporting the operation of a dangerous, expensive, high-polluting and low-return on investment power plant
- the clean, safe, and more economical alternative energy solutions available

For these and other important reasons, the supplemental license extension that would allow 80 additional years of operations at Point Beach should not be permitted.

Respectfully submitted,

Ethyl Rivera  
White Lake, Michigan