

To Whom it May Concern:

Re: Testimony opposing Ohio HB 308 by Jan Boudart.

Nuclear Power, from mining uranium to storage of spent fuel, is not "clean, green or emissions free".

That HB 308 says nuclear power is "clean" does not make it so; because NUCLEAR INSTALLATIONS ARE DIRTY; NUCLEAR POWER IS DIRTY<sup>1</sup>. There's an analogy in the legal history of oil and coal ash. Laws were passed in 1979 "defining coal ash and oil smoke as "non hazardous waste"<sup>2</sup>; but millions have died from the resulting filth. Thus, magical thinking<sup>3</sup> cannot make dirty waste and emission "clean" when they are, in reality "dirty"<sup>4</sup>. Routine radioactive emissions from nuclear reactors contaminate the soil. water and air and cause deposition of radioactive isotopes in the tissues & cells of fetuses, babies, children and adults. See MORTALITY TRENDS NEAR THE PALISADES NUCLEAR REACTOR<sup>5</sup>, attached.

### **Future Lives Matter!**

Spent fuel is another dirty face of nuclear power, and it happens to be very high on the list of the most toxic substance humans, in their 300,000 years of life on this earth<sup>6</sup>, have ever produced. The references to this problem are legion. This Nuclear Information and Resource Services document explains it very well.<sup>7</sup> Bringing money into Ohio through fuel-chain facilities, thus sacrificing the health and genome of your citizens' progeny is deceptive. Your constituents deserve good jobs that are also SAFE for themselves and their kids!

### **Real climate solutions are NOT radioactive**

Ohioans should spend money on climate solutions that will work in the next 2 to 5 years. Restoring closed reactors takes too much money and is on an unproven timeline of 2 years — completely unrealistic!. Developing Small Modular Nuclear Reactors (SMNRs) will take 10 years MINIMUM, and require — actually have already sucked up — billions of dollars that should be spent on real solutions; namely:

1. making buildings and houses more efficient,

---

<sup>1</sup> "The Dirty Secrets of Nuclear Power in an Era of Climate Change", open-access book from Springer by Aaron Datesman and Doug Brugge. (Attached)

<sup>2</sup> <https://nationalaglawcenter.org/wp-content/uploads/assets/crs/R43149.pdf>

<sup>3</sup> Magical thinking is the belief that thoughts, actions, or rituals can cause or prevent real-life events, even if there's no logical connection between them.

<sup>4</sup> "Petroleum 238", book by Justin Nobel

<sup>5</sup> <https://radiation.org/wp-content/uploads/2024/05/Palisades-report-Oct.-2023.pdf>

<sup>6</sup> <https://www.science.org/content/article/world-s-oldest-homo-sapiens-fossils-found-morocco>

<sup>7</sup> Only unused uranium can be held (in your hand). After use (fissioning) in the reactor, irradiated fuel pellets give off a lethal dose of radiation in seconds. This waste must be shielded and handled robotically. Also thermally hot, it is cooled in pools by circulating water for years before it can be stored in dry containers. Nuclear Energy creates deadly waste that can harm life on Earth for more than a million years. [https://www.nirs.org/wp-content/uploads/2017/04/Fact-Sheet\\_NuclearBasics\\_HLW\\_2017Final.pdf](https://www.nirs.org/wp-content/uploads/2017/04/Fact-Sheet_NuclearBasics_HLW_2017Final.pdf)

2. installing rooftop and commercial solar,
3. creating wind and thermal energy sources,
4. using various battery storage systems; but
5. ABOVE ALL preparing the electrical grid to accommodate real climate solutions.

To go down the money-hole of untried, unlicensed, NOT "CLEAN", and First of a Kind (FOAK), nuclear projects is the ultimate in legislative fiscal irresponsibility. HB 308 cannot change reality. The legislation in question will not work to reduce Ohio's CO2 output and your constituents can't afford the increased cost on their monthly electricity bill.

The entire project to effectively mitigate Climate Disruption is in jeopardy if the Ohio senate passes HB308 with its false definition of nuclear power as "clean".