Submitter: Joseph Miller

On Behalf Of:

Committee: House Committee On Climate, Energy, and Environment

Measure: HB2215

Dear Members of the Committee on Climate, Energy & Environment,

I'm writing to strongly encourage you to vote NO on House Bill 2215.

Oregon voters demonstrated real wisdom in 1980 when they passed a ballot initiative stipulating that a licensed terminal repository for high-level radioactive waste must exist before a new nuclear power plant can be built and operated, and that, in addition, the construction of such a plant must be submitted to electors for approval or rejection.

No such licensed terminal repository for high-level radioactive waste exists, and extensive evidence (e.g., see 1 - 6 below) indicates the inadequacies, uncertainties, and threats posed by "advanced" and/or small modular nuclear reactors as partial solutions to our global heating emergency.

Based upon all of the above (and much more), I strongly encourage you to vote NO on House Bill 2215.

Sincerely,

Joseph Miller PhD
Portland, Oregon

Member (representing Oregon PSR), Metro HIA Stakeholder Advisory Group (10/2016 - 8/2017)
Member (representing Oregon PSR), Oregon DEQ Conversion Technology Rulemaking Advisory Committee (2012)
Former Member, Board of Directors, Oregon Physicians for Social Responsibility (2008 - 2011)

1. "Advanced" Isn't Always Better. Assessing the Safety, Security, and Environmental Impacts of Non-Light-Water Nuclear Reactors. - Edwin Lyman - Union of Concerned Scientists 3/18/21
https://www.ucsusa.org/resources/advanced-isnt-always-better#top

2. ‘No miracles needed’: Prof Mark Jacobson on how wind, sun and water can power the world - Damian Carrington - The Guardian 1/23/23
https://www.theguardian.com/environment/2023/jan/23/no-miracles-needed-prof-

mark-jacobson-on-how-wind-sun-and-water-can-power-the-world

3. Small modular reactors will not save the day. The US can get to 100% clean power without new nuclear. We can create a renewable electricity system that is much more resilient to weather extremes and more reliable than what we have today. - Arjun Makhijani - Utility Dive 11/28/22
https://www.utilitydive.com/news/small-modular-reactor-smr-wind-solar-battery-100-percent-clean-power-electricity/637372/

4. Stanford-led research finds small modular reactors will exacerbate challenges of highly radioactive nuclear waste. Small modular reactors, long touted as the future of nuclear energy, will actually generate more radioactive waste than conventional nuclear power plants, according to research from Stanford and the University of British Columbia - Mark Shwartz - Stanford News 5/30/22
https://news.stanford.edu/2022/05/30/small-modular-reactors-produce-high-levels-nuclear-waste/

5. IEEFA U.S.: Small modular reactor “too late, too expensive, too risky and too uncertain” - Institute for Energy Economics and Financial Analysis 2/17/22
https://ieefa.org/articles/ieefa-us-small-modular-reactor-too-late-too-expensive-too-risky-and-too-uncertain

6. Report: Problems with UAMPS' Proposal to Construct NuScale Small Modular Nuclear Reactors - Oregon Physicians for Social Responsibility 9/2/20
https://www.oregonpsr.org/report-uamps-nuscale-smrs