

James Waite  
OLD ORCHARD BEACH  
LD 343

I'm contacting you in support of LD 343 - An Act to Direct the Public Utilities Commission to Seek Informational Bids Regarding Small Modular Nuclear Reactors in the State.

Nuclear energy offers a powerful, low-emission electricity source, crucial for combating climate change and securing energy supplies. It's a reliable, baseload power source with a high capacity factor and relatively small land footprint, complementing intermittent renewables like wind and solar. One company that may be of interest is NuScale Power Corporation, the first and only small modular reactor technology to receive NRC design certification. #NRCRIC2025.

Nuclear Power Benefits:

**Low-Carbon Electricity:** Nuclear power produces electricity with virtually no greenhouse gas emissions, making it a vital tool in combating climate change.

**Air Pollution Reduction:** Unlike fossil fuels, nuclear plants don't produce air pollutants, contributing to cleaner air and improved public health.

**Reduced Reliance on Fossil Fuels:** Nuclear power can reduce the world's dependence on volatile fossil fuels, enhancing energy security.

**Energy Density and Land Use:** Nuclear power plants have a small footprint compared to other energy sources, meaning they produce a lot of electricity with minimal land use.

**Reliable Baseload Power:** Nuclear power plants can operate consistently, providing a stable and dependable source of electricity, known as baseload power, which is essential to match the energy demand of the grid.

**High Capacity Factor:** Nuclear plants operate at a high capacity factor, meaning they produce maximum power for a significant portion of the year, ensuring consistent energy output.

**Long Lifespan:** Nuclear power plants can operate for extended periods (60 years or more), offering a long-term energy solution

For these reason I urge you support LD 343 and vote "Ought To Pass."