

James Waite
OLD ORCHARD BEACH
LD 342

I'm contacting you in support of LD 342 - An Act to Include Nuclear Power in the State's Renewable Portfolio Standard.

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.

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 342 and vote "Ought To Pass."