

March 5, 2025
Senate Committee on Energy and Environment
Oregon State Capitol

Re: Support of SB 215, SB 216, and SB 635

Dear Chair Sollman:

The electrical grid powers the modern world.

If we don't have electricity, we are instantly transported back to the 19th century, a place few people want to visit.

The PNUCC Regional Forecast from May 2024 predicted annual electricity deficits in the Northwest for every year over the next decade, culminating in a deficit of (11,036) average megawatts by 2033. This is a crisis.

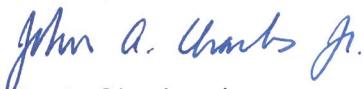
One of the engineering realities of the grid is that supply and demand must be in equilibrium at all times. That requires dispatchable electricity. The sources favored by Oregon political leaders - wind and solar - are the opposite of dispatchable, which is why they are known as "intermittent."

This problem can be observed in the chart on page two, taken from the BPA website earlier this morning. The nuclear, fossil and biomass generators provide steady "baseload" power. The regional hydro system is managed to ensure that supply equals demand in real time. The wind and solar plants, identified as "variable energy resources" or VER, fluctuate randomly.

In other words, they are irrelevant.

Legalizing nuclear energy would create a pathway for increasing the amount of emissions-free, reliable generation over the long term. I encourage your support.

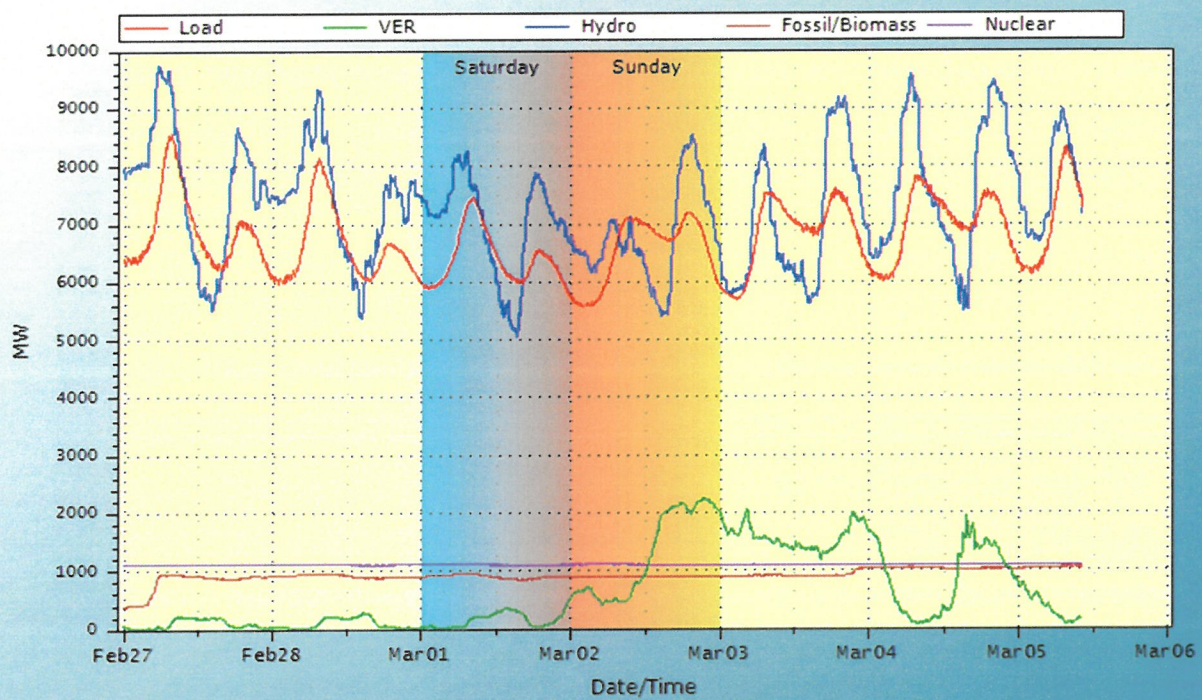
Sincerely,



John A. Charles, Jr.
President & CEO



BPA Balancing Authority Load & Total VER, Hydro, Fossil/Biomass, and Nuclear Generation, Last 7 days
27Feb2025 - 06Mar2025 (last updated 5Mar2025 10:11:46)



Based on 5-min readings from the BPA SCADA system for points 45583, 177167, 79682, 164377, and 70681
BA Load in Red, VER in Green, Hydro Gen. in Blue, Fossil/Biomass Gen.
in Brown, and Nuclear in Cobalt
BPA Technical Operations (TOT-OpInfo@bpa.gov)