

**TESTIMONY BEFORE THE OHIO HOUSE ENERGY AND
NATURAL RESOURCES COMMITTEE
HOUSE BILL 308**

December 6, 2023

PROPONENT TESTIMONY OF WILLIAM H. THESLING PH.D.

Thankyou Chairman Kick, Vice-Chair Lear and Ranking Member Rogers for the opportunity to provide testimony on HB308.

My Name is Dr. William Thesling. I have in the past testified on behalf of eGeneration Foundation, but today I am here as an Individual and a Citizen of Ohio. I have been a resident of Ohio my entire life. I have a doctorate in Electrical Engineering from Cleveland State University. I am a co-founder of Efficient Channel Coding Inc., a technology company, and am an author or co-author on over 30 patents. I am a serial entrepreneur and strongly believe innovation is the key to a better future.

House Bill 308 seeks to define “green energy” as a new class of energy that produces energy (electricity) with reduced production of Carbon Dioxide. Any new or existing energy source that produces energy with less carbon dioxide is indeed something we should recognize as a step in the right direction if we wish to achieve our carbon dioxide reduction goals.

New technology and innovation is key to a better future and energy is a big part of this relationship. Advances in low carbon dioxide energy sources such as Wind, Solar, Geothermal are a very exciting aspect of the future of technology. It is particularly laudable that this bill recognizes the fact that nuclear energy produces no carbon dioxide while producing copious amounts of energy, particularly electricity. This bill allows Ohio to benefit from advances in nuclear technology where even greater amounts of clean energy (electricity) will be produced while still producing no carbon dioxide. There is much interest of late in Nuclear Fusion reactors as well as generation IV fission reactors, especially Molten Salt Reactors (MSRs). MSRs exhibit much improved INHERENT safety characteristics. These improved INHERENT safety characteristics will enable much lower cost energy production! Consider producing much more energy per capita, not less, and think of the improvement in the standard of living this can facilitate for all Ohioans, Americans and the world!

This bill promises to make it a little bit easier to make this vision a reality. I therefore respectfully request you vote to pass HB308.

Thank you very much.

William H. Thesling Ph.D.