

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

December 3, 2024

PROPONENT TESTIMONY OF WILLIAM H. THESLING PH.D.

Thankyou Chairman Reineke, Vice-Chair McColley and Ranking Member Smith for the opportunity to provide testimony on HB308.

My Name is Dr. William Thesling. 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 and currently serve on the board of the newly formed Ohio Nuclear Development Authority. 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 production sources that produces energy (electricity) with reduced production of Carbon Dioxide. We should encourage the use of any new or existing energy source that produces energy while exhausting less carbon dioxide, 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 and essential part of this relationship. Advances in low carbon dioxide energy sources such as Wind, Solar, Geothermal and particularly Nuclear are a very exciting aspect of the future of energy technology development.

It is laudable that this bill recognizes the fact that nuclear energy produces no carbon dioxide while producing copious amounts of energy, particularly electricity. The future of energy technology is most exciting in the area of nuclear technology! 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 just replacing our energy needs with low carbon dioxide producing sources, but actually increasing our energy production per capita! Think of the improvement in the standard of living this can facilitate for all Ohioans, Americans and the world! Advanced nuclear technology is particularly well suited to achieve this.

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

Thank you!