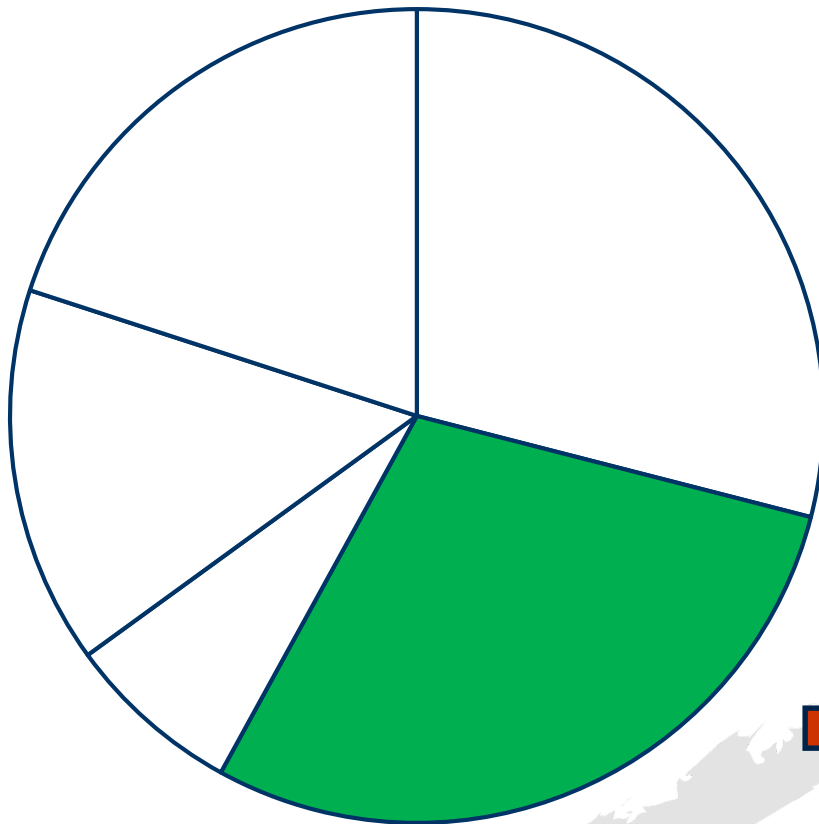


Attachment W: Energy Transition

Zero-Carbon Energy Sources (Renewables and Nuclear) Needed to Replace Global Fossil Fuel Electricity Generation to Achieve Energy Transition



~5,172GW of Fossil Fuel Generated Electricity To Be Replaced with All Forms of Zero-Carbon Energy

To Illustrate: ~5,000 Small Modular Reactors (SMRs) (~1GW) can Decarbonize Electricity Generation (**5,172GW**)

This Only Replaces Electricity Generation. Using Zero-carbon energy for Industry, Transport, Building and Agriculture Continues to Produce Emissions. (See Next Slide)

At the World's Current Zero-Carbon Electricity Rate of Production (2023, 3,448GW*), It Would Take ~63 Years to Achieve Energy Transition (Assuming No Growth)