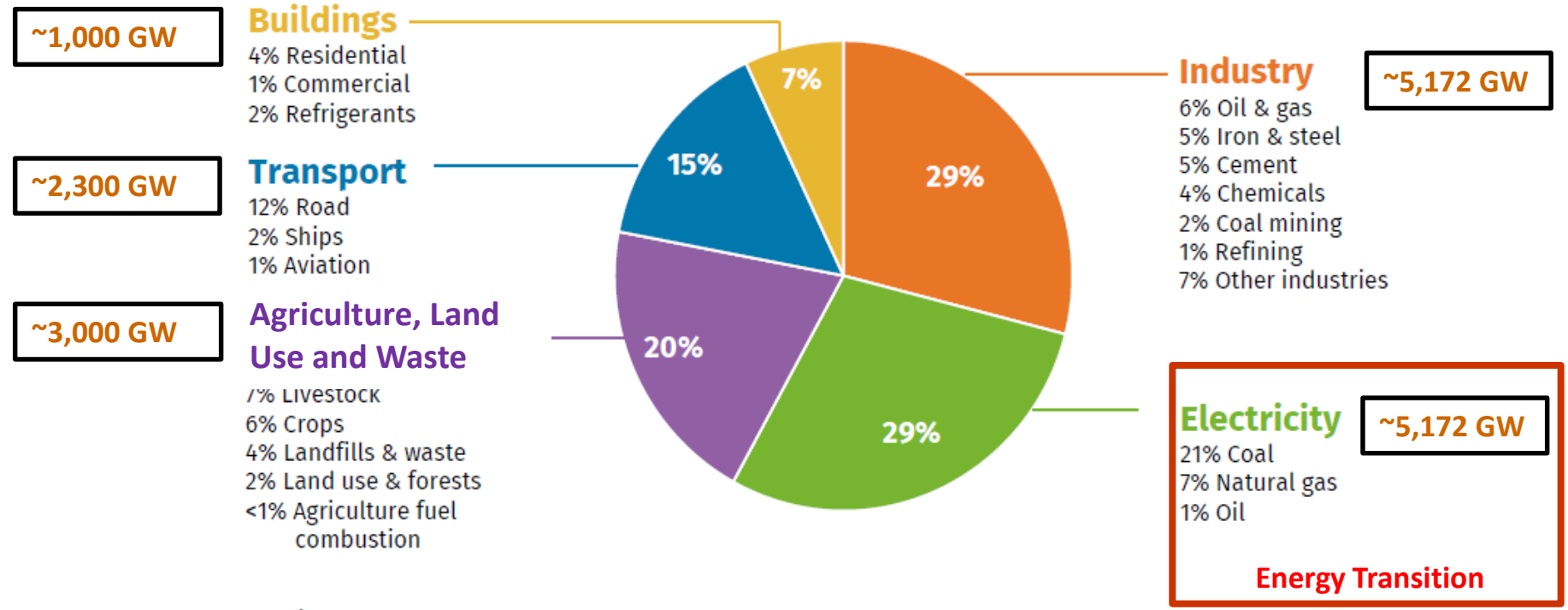
Attachment X: Decarbonization and Net-Zero
Zero-Carbon Energy Sources (Renewables and Nuclear) Needed to Power Industry, Buildings, Transport and Agriculture Sectors To Reach Decarbonization and Net-Zero
(Remove All Sources of Direct Human Emissions)

To Illustrate: ~ 11,500 Small Modular Reactors (SMRs) (~1GW) Can Reach Net-Zero Emissions

At the World's Current Zero-Carbon Electricity Rate of Production (2023, 3,448GW*), It Would Take ~122 Years to Achieve Decarbonization and Net-Zero (Assuming No Growth)



Source: Rhodium Group: Global Greenhouse Gas Emissions: 1990-2021 and Preliminary 2022 Estimates: https://rhg.com/research/global-greenhouse-gas-emissions-2022/

*US Energy Information Administration Global Electricity Generation: https://shorturl.at/CJbFY

Global Share of Low Carbon Energy: https://ourworldindata.org/electricity-mix