

How Energy Demand and Supply Would Change from 2020 to 2050

Overall demand and supply for clean electricity would increase significantly as electrification decreases liquid fuel and gas demand for the transport, building, and industrial sectors. Biofuels and synthetic liquids produced with clean electricity would significantly reduce the carbon intensity of liquid fuels, while synthetic gas would decarbonize pipeline gas. Coal retirement and new renewable energy would decarbonize the electricity supply.

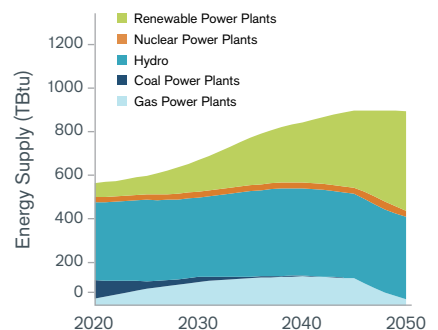
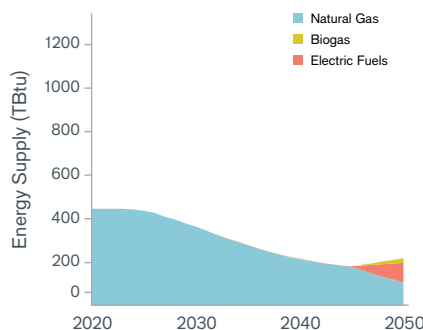
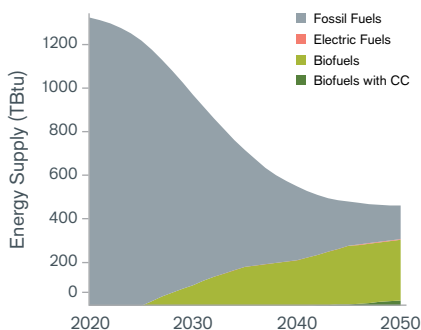
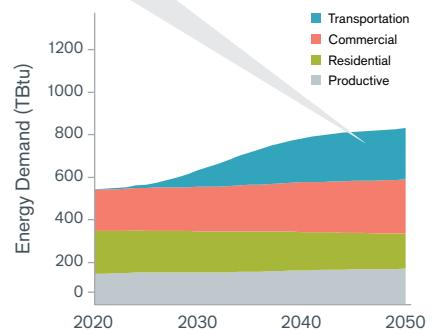
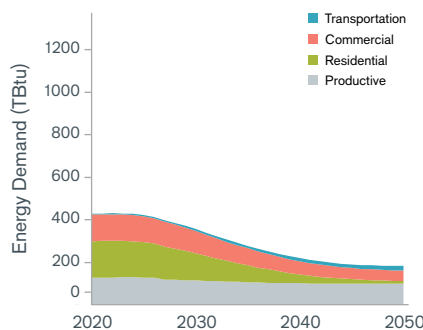
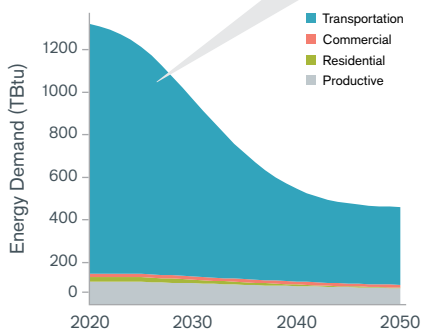


Liquid Fuels emissions reductions achieved with electrification and biofuels

Pipeline Gas emissions reductions achieved through electrification and electric fuels

Electricity emissions reductions achieved through coal retirement and deployment of renewables

Liquid fuels for transportation largely replaced by efficient electricity and some biofuels



Electricity goes from 79% clean to 96% clean