



S2a1: Deep Decarbonization – Limited Tech w/ No New Combustion

+ Without new natural gas or H2 combustion turbines to meet growing resource adequacy needs, a large overbuild of onshore wind, offshore wind, and battery storage are selected

- Even higher build of new resources (~215 GW in 2045 vs. ~70 GW in the S2 Deep Decarb case)
- Existing gas plants are forced to stop burning gas in 2045 and are retrofitted to combust H₂
- Onshore wind, offshore wind, and battery storage are selected over additional solar since wind and storage are slightly more efficient at providing incremental RA

– Exports from the region increase due to more frequent over-supply conditions, curtailment reaches ~60% in 2045

