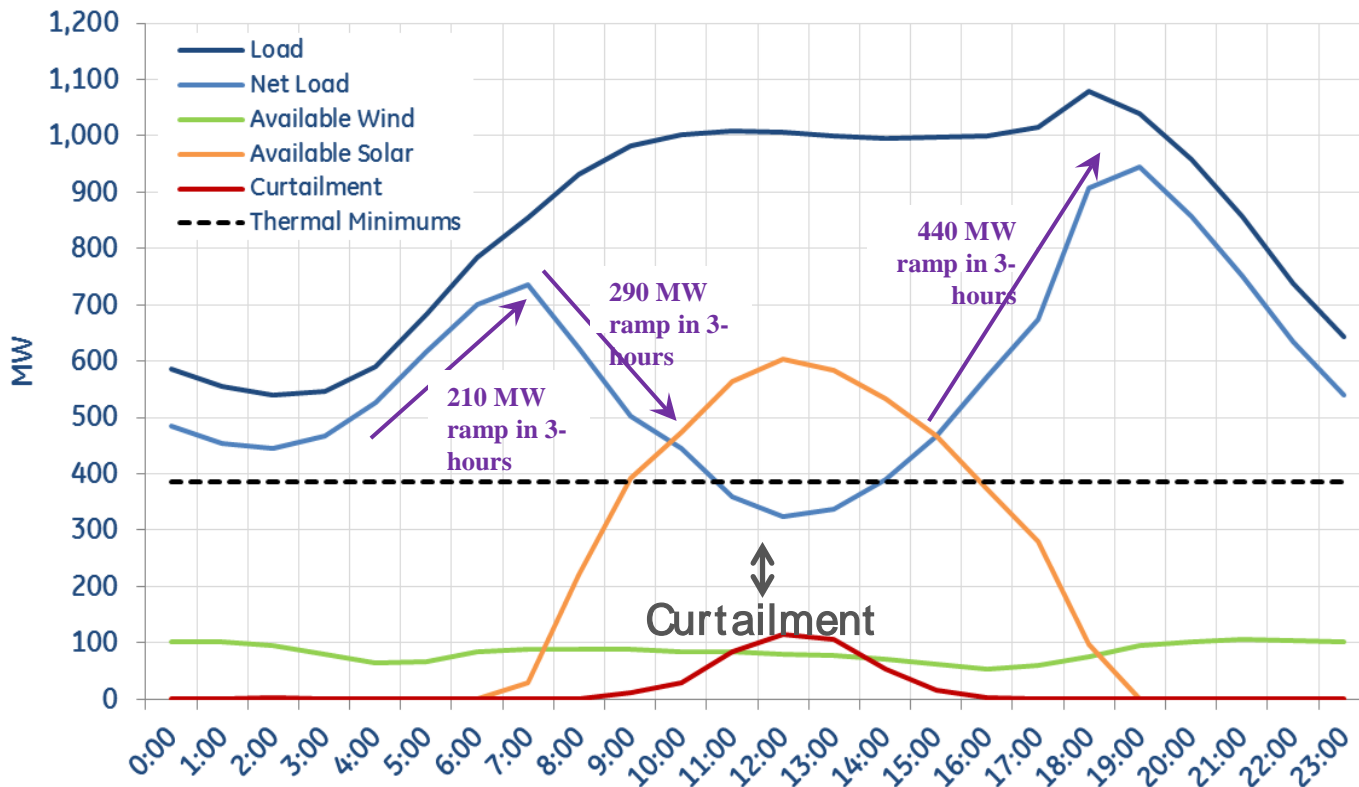


Impact of DER on Small System is Significant



Plot shown is March average profile, Oahu, with 26% intermittent renewable availability(200MW wind, 860MW PV). Some days far worse

Curtailment, mid-day transients (stability), reliability of evening capacity, ramp rates