Hourly generation dispatch by technology in GER Renewables share $= 0.318 \ge 0.32$ CO2 reduction = $0.967 \ge 0.55$ wind_on wind_off 1.250×10^5 solar biomass nuclear coal gas_cc 1.000×10^{5} gas_oc hydro 7.500×10^4 5.000×10^4 2.500×10^4 0 50 100 0 150 t