Hourly generation dispatch by technology in DEN Renewables share $= 0.382 \ge 0.32$ CO2 reduction $= 0.981 \ge 0.55$ wind_on wind_off solar biomass nuclear coal 3000 gas_cc gas_oc hydro $p_{g,\,n,\,t}[\mathrm{MWh}]$ 2000 1000 0 50 100 150 0 t