Hourly generation dispatch by technology in GER Renewables share  $= 0.318 \ge 0.32$  CO2 reduction  $= 0.75 \ge 0.55$  $1.00 \times 10^{5}$ wind\_on wind\_off solar biomass nuclear coal gas\_cc  $7.50 \times 10^4$ gas\_oc hydro  $p_{g,\,n,\,t}[\mathrm{MWh}]$  $5.00 \times 10^4$  $2.50 \times 10^4$ 0 50 100 150 0

t