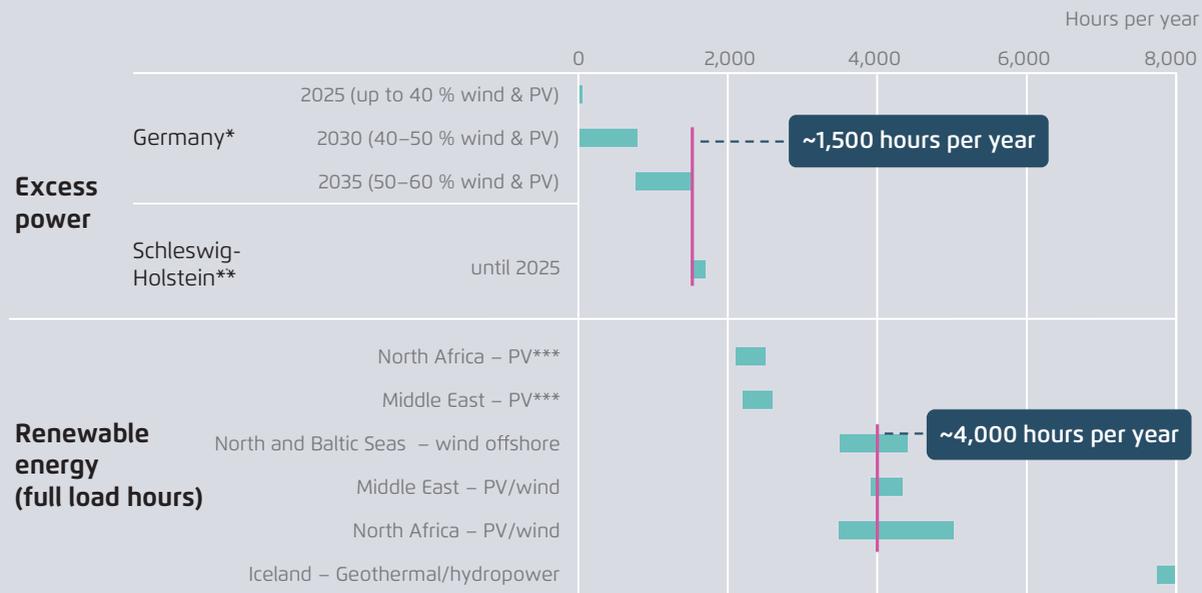


Excess renewables production in Germany versus the full-load hours of renewable electricity generation

Figure 4



* System balance surplus (negative residual load); based on 8 scenarios without a European power exchange by acatech et al. (2015). To reach the renewable production expansion targets in this period, wind and PV energy will have to be supplemented by biomass and hydropower.

** Maximum curtailment from grid bottlenecks through 2025 according to the wind power expansion targets of Schleswig-Holstein. This curtailment will cease after implementation of the planned grid expansion measures (ecofys/IWES 2014).

*** PV tracking systems.