

# The acceleration of the German Energiewende The plans of the new federal government: Background and challenges

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# Key targets and plans of the new German government



- Keep **GHG targets** (2020: 41 %): 65 % to 2030, 88 % to 2045, climate neutral 2045
- Accelerate electrification and expansion of PV and wind: new target is 80% of gross power demand of 680 to 750 TWh in 2030: 544 to 600 TWh (was 65% of ca. 600 TWh before: 390 TWh; currently just under 45%, ca. 250 TWh)
- => by 2030: 200 GW of PV (was 100); 30 GW offshore wind (was 20); no target for onshore wind, but 2% of the land as priority area (currently 0.5%)
- By 2030: 50 % of **heat** in buildings "climate neutral"; from 2025, all new heating systems with 65% renewables: a chance and challenge also for district heating
- By 2030: 15 mn electric vehicles (mostly BEV?), i.e. ca. 1/3 of stock
- By 2030: 10 GW of electrolysers (was 5 GW), power from offshore wind and import
- Coal phase-out "ideally" by 2030; nuclear phase-out will be completed 31 Dec. 2022
- Energy efficiency? Mentioned 3 times (but some policies for buildings and industry) Source: Coalition treaty

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#### **Conclusions and challenges**



- The new German government plans to accelerate electrification, expansion of renewable energies (x4 vs. recent years!) and coal phase-out
- => Coal and nuclear to be replaced by renewables, flexibilities, and some new gas capacity ("H2 ready")
- **Challenge**: How to achieve all those targets? And the flexibilities?
- Detail of **policy** instruments is still largely unclear BMWK expected to come out with first proposals soon
- Coalition treaty also mentions
  - plans to start development of new energy market design in 2022,
  - a target grid plan for climate neutrality, and
  - accelerating grid projects (electricity, with particular attention to power highways, hydrogen),
  - accelerating smart meter roll-out

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Thank you for your attention! stefan.thomas@wupperinst.org

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