

Germany's Required CO2 Emissions Reduction to Hit Its 2030 Paris Climate Target

The required fall in emissions 2020-30 is one third:

Baseline 1990 total emissions: 1,251m tonnes CO2

The latest environment ministry forecast for 2020 emissions of -33% on 1990 levels: 836m tonnes CO2

The required 2030 emissions target of -55% on 1990 levels: 563m tonnes CO2

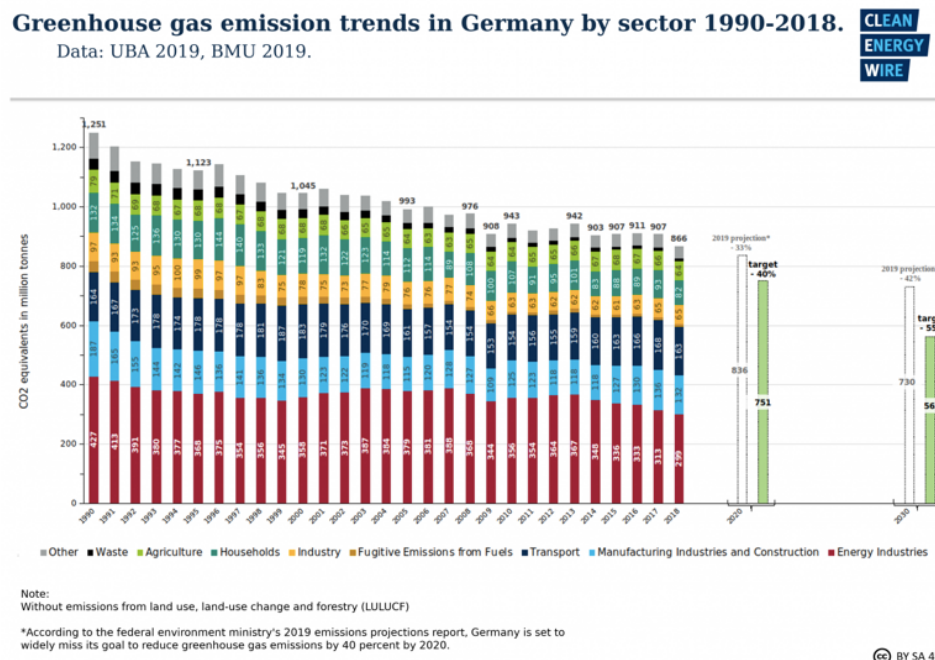
The latter is 67% of the former, representing a cut of one third on the expected 2020 level.

The required average annual rate of decrease in emissions is 4%:

2010 total emissions: 943m tonnes CO2

The rate for current decade is -1%: 943m tonnes CO2 x (0.99^10) = 853m tonnes CO2 (slightly above expected 2020 out-turn of 836m tonnes CO2)

The rate required for next decade is -4%: 836m tonnes CO2 x (0.96^10) = 556m tonnes CO2 (close to 2030 target of 563m tonnes CO2)



Source: Clean Energy Wire

<https://www.cleanenergywire.org/factsheets/germanys-greenhouse-gas-emissions-and-climate-targets>