CN2045	2018	2030	2040	2045	2018– 2030 p. a. net	2030– 2045 p. a. net
GHG emissions (Mt CO₂e) Energy sector ★	305	98	26	-18	-17	-8
Industry Industry	195	123	19	-30	-6	-10
Transport 🚍	162	89	11	0	-6	-6
Buildings 🏦	117	65	19	3	-4	-4
Agriculture 9	70	58	46	41	-1	-1
Waste and other 👚	10	5	3	2	0	0
Sum	858	438	124	-2	-35	-29
Reduction relative to 1990 (%)	31	65	90	100		
LULUCF for informational purposes	-27	2	0	-11	2	0
Primary energy consumption (PJ)	13 129	8 578	7 328	6 458	-379	-141
Coal	2909	349	6	0	-213	-23
Mineral oils	4 452	2108	203	17	-195	-139
Fossil gases	3 099	2 613	856	27	-41	-172
Gross power consumption (TWh)	595	643	902	1 017	4	25
Renewable share of gross power consumption (%)	38	69	87	100**		
Wind onshore (GW)	52	80	140	145	2	4
Wind offshore (GW)	6	25	60	70	2	3
Photovoltaics (GW)	45	150	300	385	9	16
Number of electric vehicles						
(incl. plug-in hybrids; in millions of units)	0	14	32	36	1	1
Freight transport rail (billions of km)	135	190	210	230	5	3
Number of heat pumps (millions of units)	1	6	11	14	0,4	0,5
Net energy demand for buildings (kWh/(m²-a))	106	85	69	57	-2	-2
Electroylsis in Germany (GW)	0	10	37	50	1	3
Use of hydrogen (TWh)	0	63	223	265	5	13
Renewable hydrogen production in Germany (TWh)	0	19	65	96	2	5
Imported hydrogen (TWh)	0	44	158	169	4	8
Other imported synthetic fuels (TWh) –	0	1	57	158	0	10
incl. international transport						
Carbon capture and storage (gross volume, Mt CO_2)	0	-1	-32	-73	0	-5
Process emissions and waste (Mt CO ₂)	0	-1	-11	-16	0	-1
Negative emissions (Mt CO₂)	0	0	-22	-57	0	-4
Negative emissions, incl. binding of materials (Mt CO ₂)	0	0	-22	-65	0	-4
Biomass CCS (BECCS, Mt CO ₂)	0	0	-20	-37	0	-2
Direct Act Capture CCS (DACCS, Mt CO₂)	0	0	-2	-20	0	-1
Green polymers from imported feedstock (Mt CO₂)	0	0	0	-7	0	0
Population in Germany (millions)	83	83	81	80	0	0
EU-ETS, EUR 2019/t	16	52	70	80	3	2
Prognos, Öko-Institut, Wuppertal Institut (2021)						

^{*} Negative emissions are considered in the sectors directly.

^{**} This includes power generation from renewable hydrogen as well as stored and imported renewable electricity.