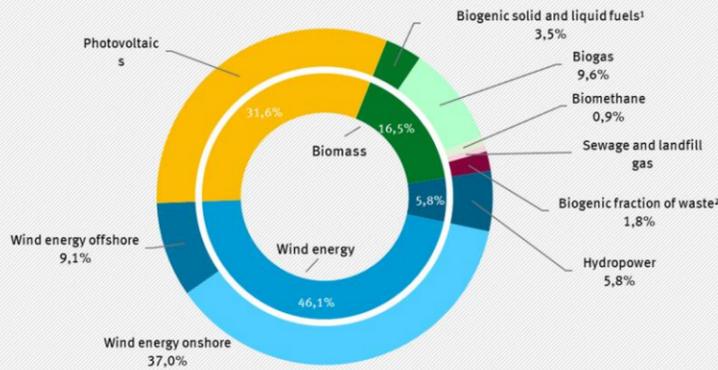


Gross electricity production from renewable energy sources in Germany in the year 2025

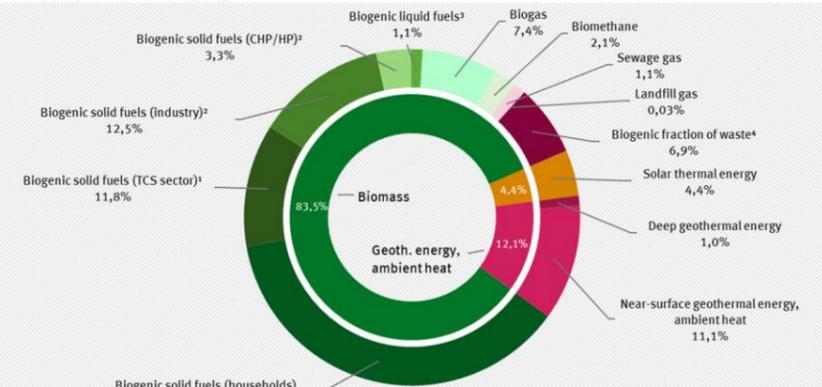
Total: 290,2 Terawatthours (TWh)



¹ incl. sewage sludge; ² biogenic fraction of waste in waste incineration plants estimated at 50%
 Notice: electricity production from geothermal power plants (0,1%) not shown because of very small share
 Source: Working Group on Renewable Energy-Statistics (AGEE-Stat); as of February 2026

Final energy consumption from renewable energy sources for heating and cooling in Germany in 2025

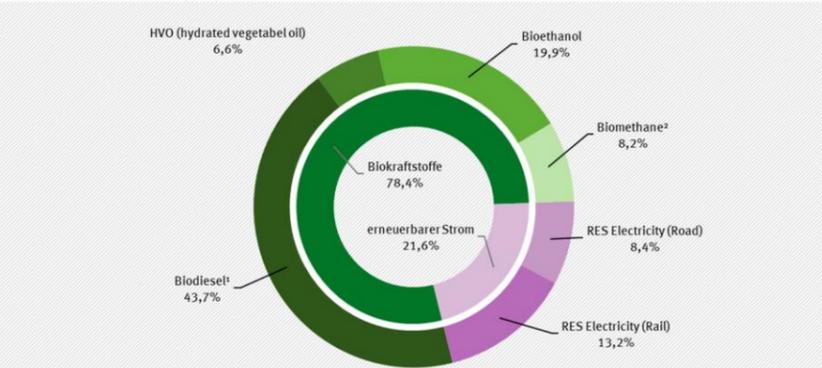
Total: 209,8 terawatthours (TWh)



¹ TCS corresponds to trade, commercial and service sector; ² incl. sewage sludge and charcoal; ³ incl. biofuels used in agriculture, forestry, construction and military;
 Source: Working Group on Renewable Energy-Statistics (AGEE-Stat); as of February 2026

Final energy consumption from renewable sources in the transport sector¹ in Germany in the year 2025

Total: 47,7 terawatthours (TWh)



¹ consumption fuel in the transport sector (excl. agriculture, forestry, construction and military), plus electricity
² based on heating value, from 2023 incl. Bio-LNG
 Notice: share of vegetable oil and RFNBO not shown because of very small contribution
 Source: Working Group on Renewable Energy-Statistics (AGEE-Stat); as of February 2026



Renewable Energy Sources in Germany
Key information of the year 2025 at a glance

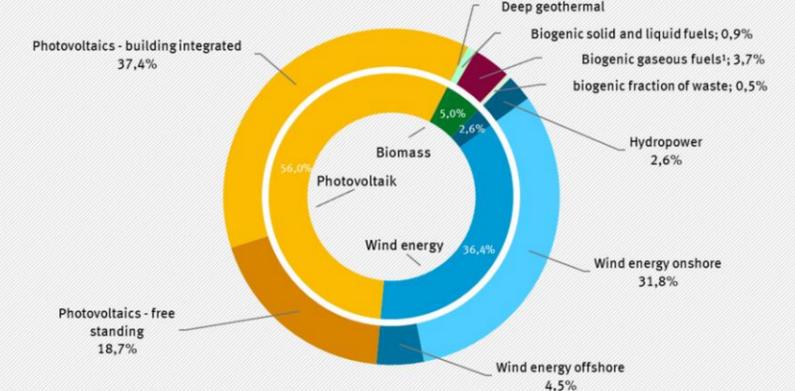
Working Group on Renewable Energy-Statistics (AGEE-Stat)
 Status: February 2026

Renewable energy sources in the year 2025

	RE 2025	Share of renewable energy	avoided GHG-emissions
	[GWh]	[%]	[1.000 t CO ₂ -Äq.]
Gross electricity production			
Hydropower	16.897	3,2	13.625
Wind energy onshore	107.225	20,4	80.938
Wind energy offshore	26.458	5,0	20.325
Solar Photovoltaic	91.591	17,4	62.718
Solid biofuels & sewage sludge	10.126	1,9	7.613
Liquid biofuels	82	<0,1	11
Biogas	27.785	5,3	14.826
Biomethane	2.713	0,5	1.513
Sewage gas	1.533	0,3	1.092
Landfill gas	158	<0,1	108
Biogenic fraction of waste	5.357	1,0	4.338
Geothermal energy	225	<0,1	152
Total	290.150	55,1	207.259
Final energy consumption for heating and cooling			
Solid biofuels & charcoal (households)	78.088	7,1	12.641
Solid biofuels & charcoal (TCS sector)	24.766	2,2	5.229
Solid biofuels & sewage sludge (industry)	26.324	2,4	7.205
Solid biofuels & sewage sludge (HP/CHP)	7.021	0,6	1.836
Liquid biofuels	2.340	0,2	460
Biogas	15.427	1,4	2.569
Biomethane	4.505	0,4	609
Sewage gas	2.326	0,2	713
Landfill gas	60	<0,1	19
Biogenic fraction of waste	14.396	1,3	3.533
Solar thermal energy	9.238	0,8	2.460
Deep geothermal energy	2.030	0,2	608
Near-surface geothermal energy & ambient heat	23.327	2,1	4.784
Total	209.848	19,0	42.666
Final energy consumption transport			
Biodiesel / HVO	24.013	4,0	7.007
Bioethanol	9.496	1,6	2.815
Biomethane	3.898	0,7	2.223
RFNBO	5	-	-
RE electricity consumption transport	10.329	1,7	3.430
Total	47.741	8,0	15.475

Installed capacity for renewables-based electricity generation in Germany in the year 2025

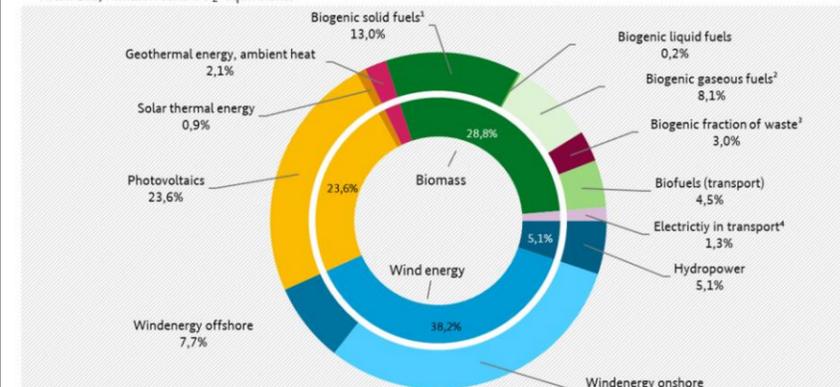
Total: 214,1 Gigawatt (GW)



¹ Biogas, biomethane, landfill gas and sewage gas
 Notice: geothermal power plants are not shown here because of their very small share (0,03%).
 Source: Working Group on Renewable Energy-Statistics (AGEE-Stat); as of February 2026

Greenhouse gas emissions avoided through the use of renewable energy sources in the year 2025

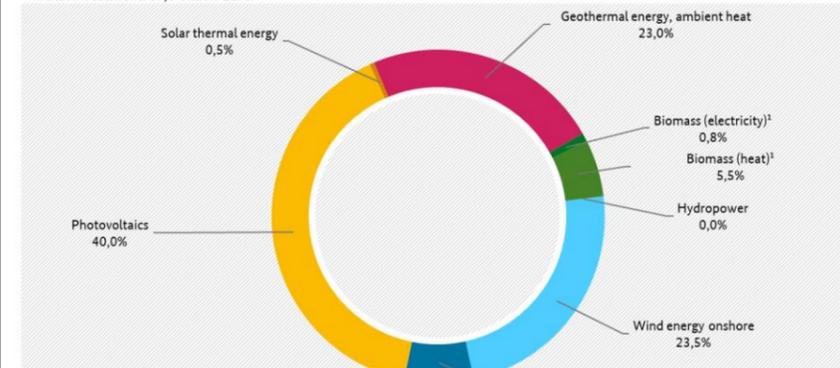
Total: 265,4 million tons CO₂-equivalents



¹ incl. sewage sludge, without charcoal; ² biogas, biomethane, sewage gas and landfill gas; ³ biogenic fraction of waste in waste incineration plants estimated at 50%; ⁴ electricity consumption in the transport sector according to German electricity mix
 Source: AGEE-Stat based on data of the German Environment Agency (UBA); as of February 2026

Investment in construction of renewable energy plants in Germany in the year 2025

Total investment: 37,6 billion Euro



¹ Solid, liquid and gaseous biomass
² based on heating value, from 2023 incl. Bio-LNG
 Source: Centre for Solar and Hydrogen Research Baden-Württemberg (ZSW); as of February 2026

Development of renewable energy sources		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Gross final energy consumption EU-Directive ¹	TWh	389	407	433	446	465	486	510	499	515	555
Gross electricity production	TWh	191	218	225	244	254	240	256	276	288	290
Final energy consumption for heating and cooling	TWh	166	171	175	179	177	195	204	187	197	210
Final energy consumption in the transport sector ²	TWh	34	35	36	36	44	40	41	45	43	48
Primary energy consumption	PJ	1.687	1.798	1.832	1.909	1.974	1.970	2.050	2.054	2.127	2.182

1) according to the European Directive EU-RL 2009/28/EG (RED I), EU-RL (EU) 2018/2001 (RED II), EU-RL (EU) 2023/2413;
 2) consumption of biogenic fuels, RFNBO and renewables-based electricity in the transport sector (excluding consumption in agriculture, forestry and military)

Shares of renewable energy sources in %		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
of gross final energy consumption EU-Directive ¹	%	14,9	15,5	16,7	17,3	19,1	19,3	20,8	21,5	22,5	23,8
of gross national electricity consumption	%	31,8	36,2	37,9	42,2	45,4	41,7	46,3	52,9	54,4	55,1
of final energy consumption for heating and cooling	%	13,4	13,7	14,5	14,6	14,7	15,4	17,5	17,4	18,2	19,0
of final energy consumption in the transport sector	%	5,2	5,2	5,6	5,5	7,5	6,7	6,9	7,6	7,4	8,0
of primary energy consumption	%	12,5	13,3	13,9	14,9	16,6	15,8	17,5	19,3	20,1	20,8