



Environmental and energy key figures

18/03/2022 *The content of this webpage includes information originally published as part of the company's 2021 Annual and Sustainability Report, which has not been updated since such publication and, as a result, may no longer be up-to-date. Further, other content on this webpage may also be out-of-date.*

Ludwigsburg) correspond to the categories used in internal reporting relevant for control.

	202	202	201
Direct energy consumption by primary energy source in MWh	1	0	9
	433	340	327
	,28	,32	,11
Total	9	7	9
	347	266	248
	,83	,37	,82
Production sites	2	5	0
	272	204	182
	,97	,86	,10
Gas	6	8	1
	269	149	
	,75	,13	30,
Of which biogas	0	0	000
	72,	56,	65,
Combustible gas for manufacturing processes	811	936	505
	72,	31,	
Of which biogas	811	697	k. A.
	2,0	4,5	1,2
Heating oil	46	71	14
	69,	61,	64,
Development sites	891	427	437
	69,	61,	64,
Gas	697	222	292
	65,		
Of which biogas	555	k. A.	k. A.
	194	205	145
	1,4	1,6	1,7
Other sites	85	41	57
	1,4	1,6	1,7
Gas	85	37	48
	0	4	9
Heating oil			

	202	202	201
Direct energy consumption by primary energy source in MWh	1	0	9
Fuel ¹⁾	14,081	10,884	12,105

1) Conversion factor from litres to MWh: petrol ✖ 8.72 kWh/l; diesel ✖ 9.91 kWh/l. ¹⁾ Conversion factor from litres to MWh: petrol ✖ 8.72 kWh/l; diesel ✖ 9.91 kWh/l.

Indirect energy consumption by primary energy source in MWh

Total

Indirect energy consumption by primary energy source in MWh			
Production sites			
	237	229	246
	,28	,17	,81
Electrical energy ¹⁾	3	6	8
	43,	30,	26,
District heating	527	719	589
	51,	34,	28,
CHP plants and PV arrays	372	422	201
Development sites	74,	66,	66,

Indirect energy consumption by primary energy source in MWh			
Electrical energy ¹⁾	58,795	52,295	52,664
District heating	2,487	1,228	537
Weissach CHP plant	13,380	12,857	13,275
Other sites	11,	11,	12,

Indirect energy consumption by primary energy source in MWh			
Electrical energy ¹⁾	8,1 65	8,4 93	9,2 49
District heating	3,5 82	2,8 33	3,0 95

1) 99 per cent of the electrical energy is TÜV-certified green electricity. The remaining 1 per cent relates to the acquisition of new buildings and to existing grey electricity contracts, which were fully transitioned to green electricity on 1 January 2022. ¹⁾ 99 per cent of the electrical energy is TÜV-certified green electricity. The remaining 1 per cent relates to the acquisition of new buildings and to existing grey electricity contracts, which were fully transitioned to green electricity on 1 January 2022.

Emissions in t of CO ₂ equivalent and significant air emissions in t	20 21	20 20	20 19
Direct and indirect GHG emissions in t of CO ₂ equivalent			
Total	9,0 90	26, 97 1	57, 68 5
Production sites	2,8 95	12, 16 7	42, 12 3
Development sites	4,9 59	13, 74 4	14, 41 2
Other sites	1,2 36	1,0 60	1,1 50
Direct GHG emissions in t of CO ₂ equivalent (Scope 1) ¹⁾	7,6 56	25, 65 6	56, 26 7
Production sites	2,8 25	12, 16 6	42, 03 8
Development sites	4,5 61	13, 19 2	13, 90 6
Other sites	27 0	29 8	32 3

	20	20	20
Emissions in t of CO ₂ equivalent and significant air emissions in t	21	20	19
	1,4	1,3	1,4
Indirect GHG emissions in t of CO ₂ equivalent (Scope 2)	34	15	18
Production sites	70	1	85
	39	55	50
Development sites	8	2	6
	96	76	82
Other sites	6	2	7
Other indirect GHG emissions in t of CO ₂ equivalent			
	27,	28,	74,
	57	75	15
Other indirect GHG emissions (Scope 3)	4	3	7
	9,4	4,9	9,6
Porsche's vehicle fleet ²⁾	64	36	44
Rail ³⁾	0	0	38
			50,
	6,8	8,4	77
Air	07	02	4
	11,	15,	13,
	30	41	70
Rental cars	3	5	1
Significant air emissions in t of			
	41.	33.	42.
NOX emissions ⁴⁾	75	06	67
	33.	26.	33.
Production sites	99	2	82
	7.6	6.6	8.6
Development sites	0	8	2
	0.1	0.1	0.2
Other sites	6	8	3
	0.3	0.2	0.4
SOX emissions	1	4	5
	0.2	0.1	0.3
Production sites	4	8	6

	20	20	20
Emissions in t of CO ₂ equivalent and significant air emissions in t	21	20	19
	0.0	0.0	0.0
Development sites	7	6	9
Other sites	0	0	0
	12	10	11
	3.2	5.2	5.4
Weight of volatile organic compounds (VOC)	9	9	0
	12	10	11
	3.2	5.2	5.4
Production sites	9	9	0
Development sites	0	0	0
Other sites	0	0	0
	0.2	0.2	0.1
Weight of dust emissions	7	2	4
	0.2	0.1	0.1
Production sites	2	8	1
	0.0	0.0	0.0
Development sites	5	4	3
Other sites	0	0	0
Ozone-depleting substances ⁵⁾	0	0	0

1) The reported GHG emissions (Scope 1) include all the direct emissions of Porsche AG and Porsche Leipzig GmbH. Since the 2021 reporting year, this figure has additionally included emissions from refrigerants and from VOC combustion. 2) The reported emissions relate exclusively to Porsche's own vehicles. These are presented separately because the business-related proportion cannot be distinguished from private journeys. 3) Emissions are generally only produced from local travel, as 100 per cent use is made of green electricity for long-distance travel. 4) The NO_x emissions shown here refer exclusively to production processes, and not to Porsche vehicles. 5) During the stipulated reporting period, there were no emissions of substances included in Annexes A, B, C or E to the Montreal Protocol on Substances that deplete the Ozone Layer. 1) The reported GHG emissions (Scope 1) include all the direct emissions of Porsche AG and Porsche Leipzig GmbH. Since the 2021 reporting year, this figure has additionally included emissions from refrigerants and from VOC combustion.

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4) The NO_x emissions shown here refer exclusively to production processes, and not to Porsche vehicles.

5) During the stipulated reporting period, there were no emissions of substances included in Annexes A, B, C or E to the Montreal Protocol on Substances that deplete the Ozone Layer.

Water intake and recirculation in m ³	2021	2020	2019
Water intake ¹⁾			

Water intake and recirculation in m ³	2021	2020	2019
	758,4	710,2	694,9
Total	43	37	92
	756,7	701,3	690,0
Of which water from third parties	83	08	66
	1,660	8,929	4,926
Of which groundwater			
	650,5	579,8	553,2
Production sites	79	32	67
	100,4	111,8	128,4
Development sites	61	57	37
			13,28
Other sites	5,743	9,619	8
Water recirculation²⁾			
	624,5	577,0	603,7
Total	97	26	59
	539,7	491,6	509,0
Production sites	85	79	98
	79,06	75,72	81,37
Development sites	9	8	3
			13,28
Other sites	5,743	9,619	8

1) Porsche only draws fresh water ($\leq 1,000$ mg/l total dissolved solids (TDS)) from areas with no water stress. 2) Porsche only feeds fresh water ($\leq 1,000$ mg/l total dissolved solids (TDS)) into areas with no water stress. 1) Porsche only draws fresh water ($\leq 1,000$ mg/l total dissolved solids (TDS)) from areas with no water stress.

2) Porsche only feeds fresh water ($\leq 1,000$ mg/l total dissolved solids (TDS)) into areas with no water stress.

Waste by location, type and disposal method in t ¹⁾	2021	2020	2019
	1	0	9
	21,7	20,7	23,9
Total	55	87	95
	16,1	13,5	16,2
Production sites	43	56	02
Waste for recycling			
Hazardous waste	4,48	4,08	5,18

Waste by location, type and disposal method in t ¹⁾	2021	2020	2019
	1	0	9
	1	0	3
Non-hazardous waste	7,376	5,394	7,365
Non-production-specific waste	705	298	341
Metallic waste	2,604	3,027	2,674
Waste for removal			
Hazardous waste	885	630	346
Non-hazardous waste	80	90	241
Non-production-specific waste	12	37	52
Development sites	5,272	6,797	7,156
Waste for recycling			
Hazardous waste	1,280	1,686	986
Non-hazardous waste	937	1,160	1,666
Non-production-specific waste	89	57	176
Metallic waste	2,196	3,130	3,196
Waste for removal			
Hazardous waste	30	18	58
Non-hazardous waste	731	1,057	743
Non-production-specific waste	9	3	16
Other sites	340	434	637
Waste for recycling			
Hazardous waste	5	22	61
Non-hazardous waste	167	335	458
Non-production-specific waste	124	1	15
Metallic waste	44	74	99

Waste by location, type and disposal method in t ¹⁾	2021	2020	2019
Waste for removal			
Hazardous waste	0	2	3
Non-hazardous waste	0	0	1
Non-production-specific waste	0	0	0

1) Recycling and disposal of the reported hazardous and non-hazardous waste are exclusively carried out by external disposal companies. ¹⁾ Recycling and disposal of the reported hazardous and non-hazardous waste are exclusively carried out by external disposal companies.

Investments in environmental protection in €	2021	in %	2020	in %	2019	in %
	12,958,000	10	20,003,000	10	35,640,000	10
Total ¹⁾	0	0%	0	0%	0	0%
	1,853,000	14	2,437,000	12	4,270,000	12
Waste disposal		%		%		%
	2,089,000	16	3,213,000	16	5,847,000	16
Emission treatment		%		%		%
	763,000		1,081,000		2,070,000	
Remedial costs		6%		5%		6%
	8,253,000	64	13,272,000	66	23,453,000	66
Prevention		%		%		%

1) The figure stated comprises investments in the company's sites in Stuttgart-Zuffenhausen, Weissach and Leipzig only. ¹⁾ The figure stated comprises investments in the company's sites in Stuttgart-Zuffenhausen, Weissach and Leipzig only.

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