Environmental data 2024

	2021	2022	2023	2024
Energy				
Natural gas purchased (kWh)	1,744,413,788	1,655,042,510	1,566,621,859	**1,503,921,037**
Electricity used (kWh)	1,007,734,514	969,778,129	958,532,361	**959,333,575**
Purchased renewable electricity (kWh)	630,758,084	697,139,843	782,211,424	**851,721,033**
Purchased non-renewable electricity (kWh)	371,519,085	262,907,552	163,044,097	**97,316,806**
Onsite renewably generated electricity (kWh)	13,007,098	17,613,230	17,052,846	**22,391,288**
Exported electricity (kWh)	7,549,753	7,882,496	3,776,006	**12,095,552**
Coal (kWh)	0	0	0	**0**
Other fossil fuels (kWh)	58,097,994	80,830,945	59,546,820	**54,778,747**
Renewable heat (kWh)	8,146,047	12,970,211	11,716,789	**13,774,635**
Purchased heating and cooling (kWh)	52,154,774	40,523,527	39,186,069	**45,303,771**
Total energy for operations (kWh)	**2,870,547,117**	**2,759,145,326**	**2,635,603,897**	**2,577,111,765**
% renewable electricity	63%	73%	83%	**90%**
Carbon: Scope 1 and 2 emissions				
On-site fuel use (metric tonnes CO_2e)	333,366	320,481	301,402	**289,145**
Sales force vehicles (metric tonnes CO_2e)	52,404	50,655	45,854	**42,559**
Propellant emissions during manufacture of inhalers (metric tonnes CO_2e)	236,749	242,634	220,066	**178,600**
On-site waste or wastewater treatment (metric tonnes CO_2e)	36	88	108	**75**
Refrigerant gas losses (metric tonnes CO_2e)	10,745	12,560	13,445	**10,039**
Total scope 1 emissions (metric tonnes CO_2e)	**633,300**	**626,418**	**580,875**	**520,418**
Electricity (market-based emissions) (metric tonnes CO_2e)	124,712	84,450	59,940	**38,695**
Purchased heating and cooling (metric tonnes CO_2e)	5,987	3,913	3,824	**4,846**
Total scope 2 market-based emissions (metric tonnes CO_2e)	**130,698**	**88,368**	**63,764**	**43,541**
Total scope 2 location-based emissions (metric tonnes CO_2e)	**284,710**	**264,677**	**239,927**	**234,197**
Total scope 1 and 2 market-based emissions (metric tonnes CO_2e)	**763,998**	**714,786**	**644,639**	**563,959**
Carbon: Scope 3 emissions[1]				
Purchased goods and services (metric tonnes CO_2e)	2,724,653	2,485,295	2,978,255	**0**
Capital goods (metric tonnes CO_2e)	154,433	160,675	196,411	**0**
Fuel and energy-related activities (metric tonnes CO_2e)	84,200	144,734	65,064	**0**
Transportation and distribution (upstream) (metric tonnes CO_2e)	189,168	242,198	214,641	**0**
Waste generated in operations (metric tonnes CO_2e)	63,545	50,781	44,088	**0**
Business travel (metric tonnes CO_2e)	49,527	85,276	203,105	**0**
Employee commuting (metric tonnes CO_2e)	47,787	60,008	56,241	**0**
Leased assets (upstream) (metric tonnes CO_2e)	0	0	0	**0**
Transportation and distribution (downstream) (metric tonnes CO_2e)	99,327	129,822	82,305	**0**
Processing of sold products (metric tonnes CO_2e)	0	0	0	**0**
Use of sold products (metric tonnes CO_2e)	5,119,566	5,523,314	5,074,382	**0**
– Emissions from use of propellant-based inhalers by patients (metric tonnes CO_2e)	5,038,500	5,428,814	5,038,690	**4,639,638**
End of life (metric tonnes CO_2e)	50,893	46,950	37,604	**0**
Leased assets (downstream) (metric tonnes CO_2e)	0	0	0	**0**
Franchises (metric tonnes CO_2e)	0	0	0	**0**
Investments (metric tonnes CO_2e)	41,334	66,209	31,860	**0**
Total scope 3 emissions (metric tonnes CO_2e)	**8,624,434**	**8,995,262**	**8,983,956**	**0**

Environment data continued

	2021	2022	2023	2024
Scope 1, 2 and 3 emissions				
Total scope 1, 2 and 3 emissions (metric tonnes CO_2e)	**9,388,432**	**9,710,048**	**9,628,595**	**0**
Ozone-depleting substances				
ODP inventory of CFC and HCFC in equipment (kg of CFC11e)	277	6	5	**1**
ODP calculated releases of CFC11e (kg of CFC11e)	8	0	0	**0**
Water use				
Municipal (m^3)	5,760,951	5,638,444	5,614,136	**5,395,781**
Ground water (m^3)	2,042,056	1,729,324	1,642,870	**1,525,628**
Tankers (m^3)	144,062	149,082	149,919	**141,620**
Total water use (m^3)	**7,947,069**	**7,516,848**	7,406,925	**7,063,029**
Water use at high water risk sites (m^3)	324,772	322,275	303,626	**288,894**
Water in from rainwater (m^3)	173,784	227,376	216,376	**225,434**
Water in from recycled sources (m^3)	288,432	239,874	298,237	**326,274**
Water discharge				**0**
Wastewater to municipal sewer (m^3)	3,960,659	3,970,140	3,867,238	**4,107,923**
Wastewater to surface water (m^3)	1,854,253	1,820,302	2,186,337	**2,083,514**
Wastewater to land (m^3)	109,071	112,976	94,692	**65,630**
Wastewater to other (m^3)	0	0	0	**0**
Total wastewater discharged (m^3)	**5,926,026**	**5,905,274**	6,149,405	**6,257,067**
Waste				
Total waste recovered by a circular route (thousand kg)	21,897,762	21,750,903	26,151,993	**23,306,446**
Total waste disposed via a non-circular route (thousand kg)	33,945,743	28,472,764	23,497,589	**24,043,958**
Total waste exempt from circularity[2]				**4,164,082**
Subtotal of waste in scope for circularity[2]				**43,186,321**
Total waste generated (thousand kg)	**55,843,506**	**50,223,667**	**49,649,582**	**47,350,404**
% circular waste	39%	43%	53%	54%
Total hazardous waste recovered by a circular route (thousand kg)	2,907,913	2,865,196	3,643,888	2,824,739
Total hazardous waste disposed via a non-circular route (thousand kg)	18,307,745	16,340,753	14,648,299	16,098,113
Total hazardous waste (thousand kg)	**21,215,658**	**19,205,949**	**18,292,187**	**18,922,853**
Total non-hazardous waste recovered via a circular route (thousand kg)	18,989,850	18,885,707	22,508,105	20,481,707
Total non-hazardous waste disposed via a non-circular route (thousand kg)	15,637,998	12,132,011	8,849,290	7,945,845
Total non-hazardous waste (thousand kg)	**34,627,848**	**31,017,718**	**31,357,395**	**28,427,551**
Total hazardous waste incinerated (thousand kg)	13,999,336	13,222,716	12,952,298	**13,473,249**
Total non-hazardous waste incinerated (thousand kg)	13,238,491	8,539,344	8,369,711	7,896,281
Total waste incinerated (thousand kg)	**27,237,827**	**21,762,060**	**21,322,009**	**21,369,530**
Total hazardous waste to landfill (thousand kg)	30,066	39,919	178,320	**163,560**
Total non-hazardous waste to landfill (thousand kg)	37,712	55,820	4,980	11,563
Total waste to landfill (thousand kg)	**67,778**	**95,739**	**183,300**	**175,123**
EHS Audits				
Number of GSK internal audits	0	24	20	**23**
Number of GSK sites independently certified to ISO 14001 or equivalent	0	7	9	**9**

1 2021 and 2022 restated as methodology changed in 2023 to only include waste and materials leaving our sites.

2 In 2024 there was a revision to our definition of circularity to exclude waste streams subject to regulatory requirements which prevent them from entering circular routes. Based on a consistent methodology to last year, the amount of materials recovered by circular routes would have decreased by 4% from 2023 to 49%. This was driven by an increase in the avoidance of waste that would previously have been recycled. From 2025 onwards, we will only report against the new definition.