

2023 SBTi Greenhouse Gas Inventory

2023 Greenhouse Gas (GHG) Inventory

Scope	Activity Type	Year						% Change from Baseline Year (2018)	Change from Previous Year (2022)	% Change from Previous Year (2022)	
		2018	2019	2020	2021	2022	2023	%	Tonnes CO ₂ e	%	
		Tonnes CO ₂ e	Tonnes CO ₂ e	Tonnes CO ₂ e	Tonnes CO ₂ e	Tonnes CO ₂ e	Tonnes CO ₂ e				
Scope 1	Stationary combustion	10.36	10.68	11.38	6.23	5.89	11.74	13.3%	5.84	99.2%	Note 1
	Mobile combustion	71.58	74.21	38.01	45.22	19.23	0.00	-100.0%	-19.23	-100.0%	
	Fugitive emissions from air-conditioning										
	Other fugitive or process emissions										
	Total Scope 1		81.93	84.89	49.39	51.44	25.12	11.74	-85.7%	-13.38	
Scope 2	Purchased electricity - location based	115.79	109.28	81.34	77.28	80.12	68.65	-40.7%	-11.47	-14.3%	Note 2
	Purchased electricity - market based	115.79	109.28	81.34	77.28	80.12	34.89	-69.9%	-45.24	-56.5%	
	Purchased heat and steam		N/A	N/A	N/A	N/A	N/A				
	Total Scope 2 - Location based + heat and steam	115.79	109.28	81.34	77.28	80.12	68.65	-40.7%	-11.47	-14.3%	
	Total Scope 2 - market based + heat and steam	115.79	109.28	81.34	77.28	80.12	34.89	-69.9%	-45.24	-56.5%	
	Total Scope 1 & 2 (Location Based)	197.72	194.17	130.73	128.72	105.24	80.38	-59.3%	-24.86	-23.6%	
	Total Scope 1 & 2 (Market Based)	197.72	194.17	130.73	128.72	105.24	46.62	-76.4%	-58.62	-55.7%	
Scope 3	Cat 1: Purchased goods and services	3116.79	2260.11	1862.36	2694.07	3071.46	2299.21	-26.2%	-772.26	-25.1%	Note 2
	Cat 2: Capital goods	90.22	148.63	9.52	119.47	85.33	52.25	-42.1%	-33.07	-38.8%	
	Cat 3: Fuel-and energy-related activities (not included in scope 1 or scope 2)	89.05	72.35	49.17	80.88	88.69	29.56	-66.8%	-59.12	-66.7%	
	Cat 3A. Upstream emissions of purchased fuels	76.04	59.93	39.56	39.92	29.73	23.87	-68.6%	-5.86	-19.7%	
	Cat 3B. Upstream emissions of purchased electricity	3.14	3.15	2.61	34.12	48.96	1.63	-48.2%	-47.34	-96.7%	
	Cat 3C. Transmission and distribution (T&D) losses	9.87	9.28	7.00	6.84	10.00	4.07	-58.8%	-5.93	-59.3%	

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		2018	2019	2020	2021	2022	2023			
		Tonnes CO₂e	Tonnes CO₂e	Tonnes CO₂e	Tonnes CO₂e	Tonnes CO₂e	Tonnes CO₂e	%	Tonnes CO₂e	%
	Cat 3D: Generation of purchased electricity that is sold to end users	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cat 4: Upstream transportation and distribution	68.60	63.36	38.67	53.85	90.48	14.81	-78.4%	-75.67	-83.6%
	Cat 5: Waste generated in operations	25.09	21.33	20.57	19.10	21.26	24.87	-0.9%	3.61	17.0%
	Cat 6: Business travel	110.61	44.63	7.83	12.79	17.90	7.57	-93.2%	-10.33	-57.7%
	Cat 7: Employee commuting	139.44	115.02	104.73	92.57	73.89	76.89	-44.9%	3.00	4.1%
	Cat 8: Upstream leased assets	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cat 9: Downstream transportation and distribution	83.36	84.87	85.17	86.73	98.98	45.09	-45.9%	-53.89	-54.4%
	Cat 10: Processing of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cat 11: Use of sold products	9.33	12.54	9.09	9.38	9.20	7.10	-23.9%	-2.10	-22.8%
	Cat 12: End-of-life treatment of sold products	0.29	0.31	0.23	0.22	0.30	0.22	-23.5%	-0.08	-26.5%
	Cat 13: Downstream leased assets	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cat 14: Franchises	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Cat 15: Investments	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total Scope 3	3732.77	2823.15	2187.34	3169.06	3557.49	2557.58	-31.5%	-999.9	-28.1%

Note 3

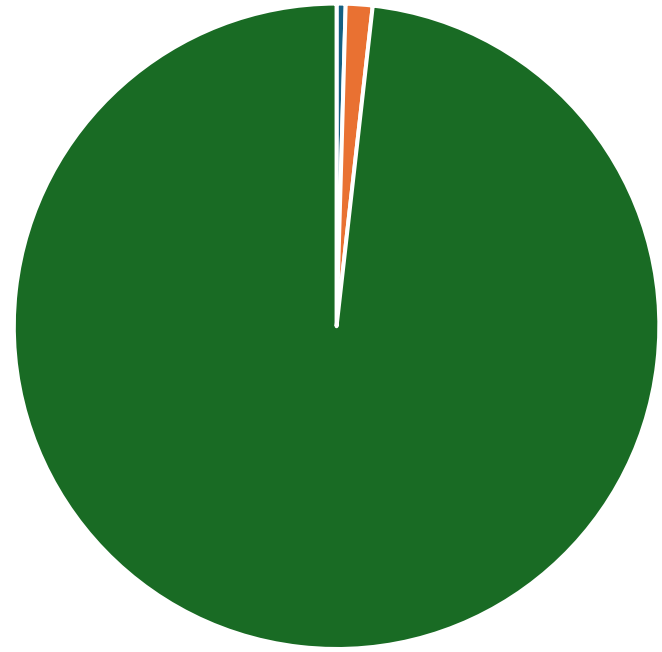
Note: All data recalculated using UK emission factors only (previously used mix of UK, US and EU factors).

Note 1: Completed transition of company car fleet to EV only

Note 2: Introduction of REGO backed Green electricity supply for Coleshill and reduced electricity use due to closure of Unit 5 (Coleshill) and Czech offices

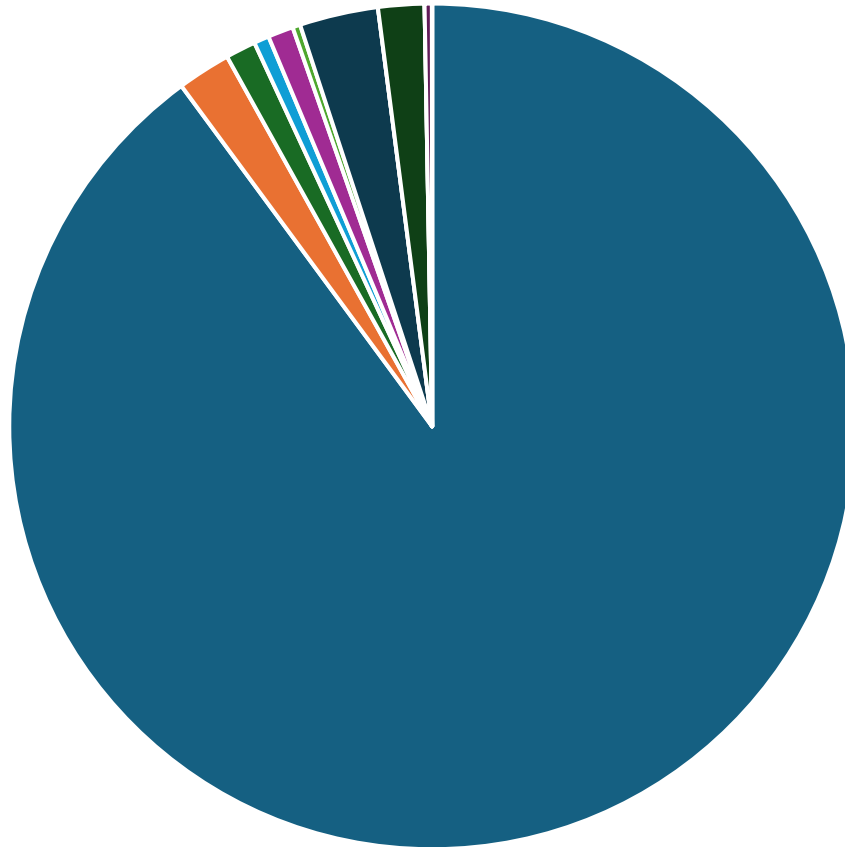
Note 3: One-off costs associated with closure of Unit 5

2023 - Emissions by Scope
Tonnes CO₂e

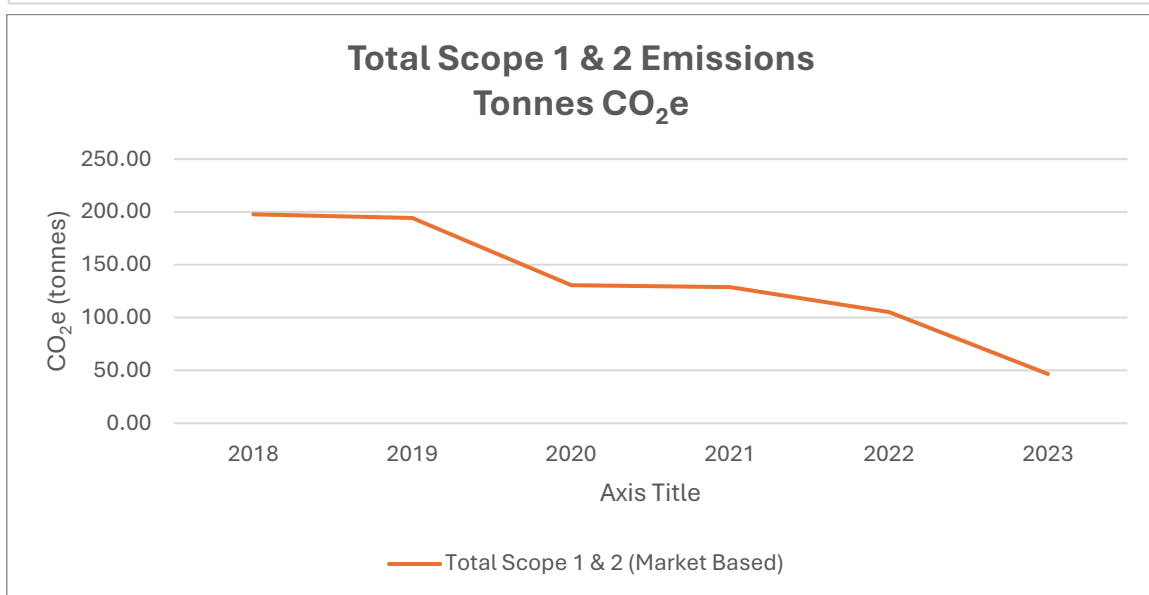
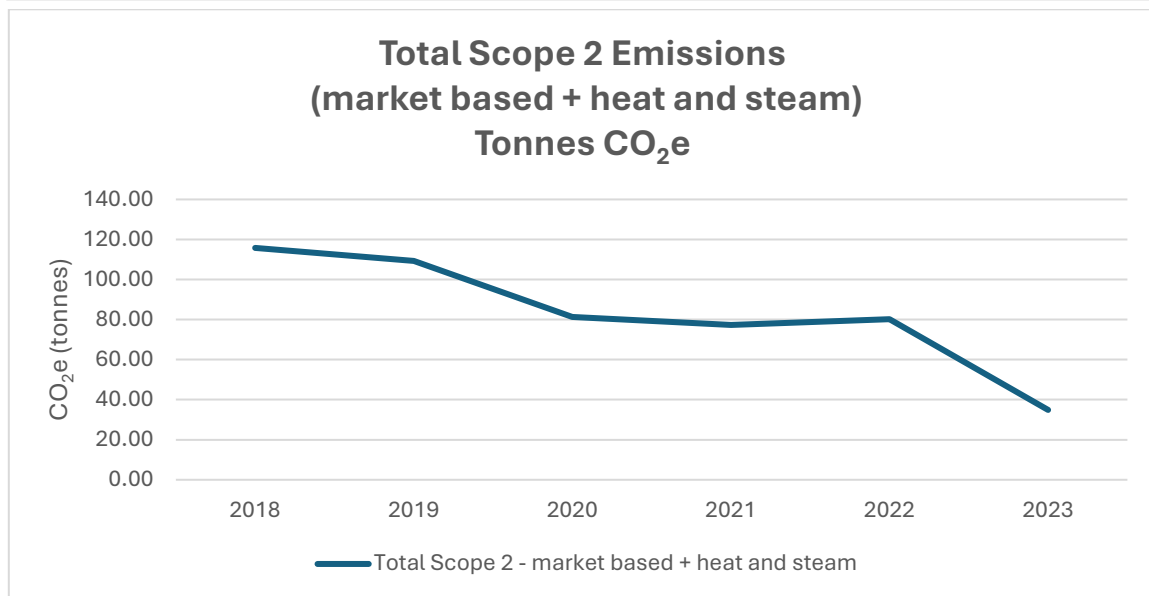
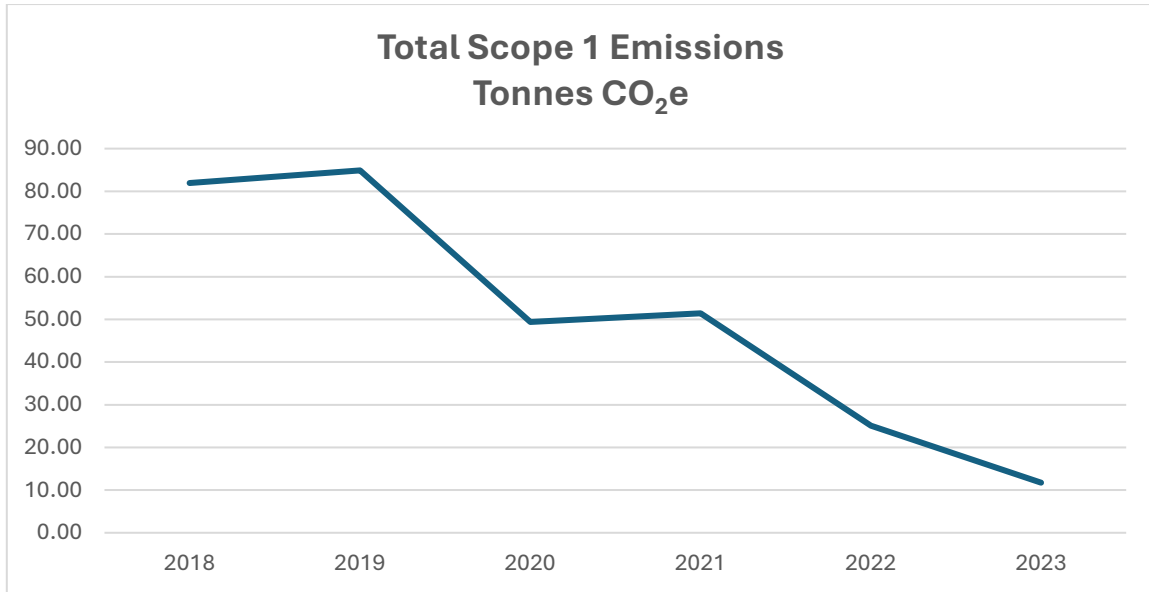


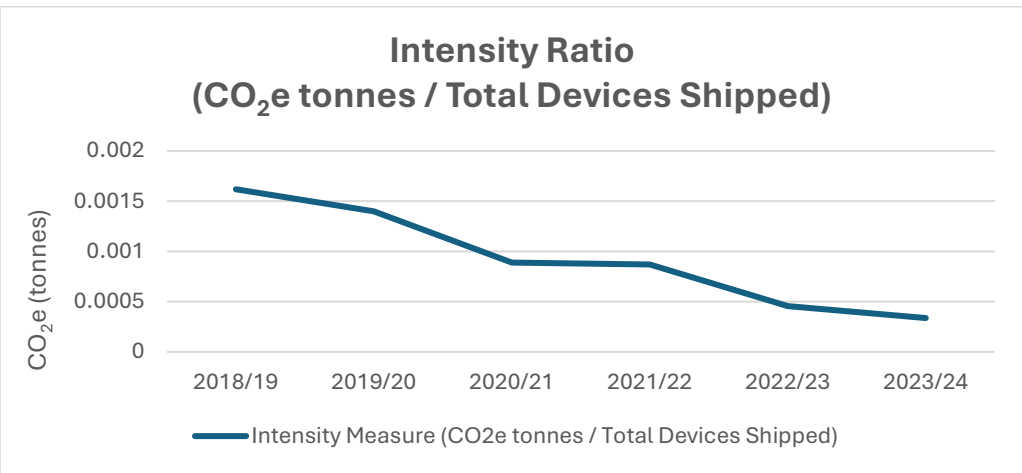
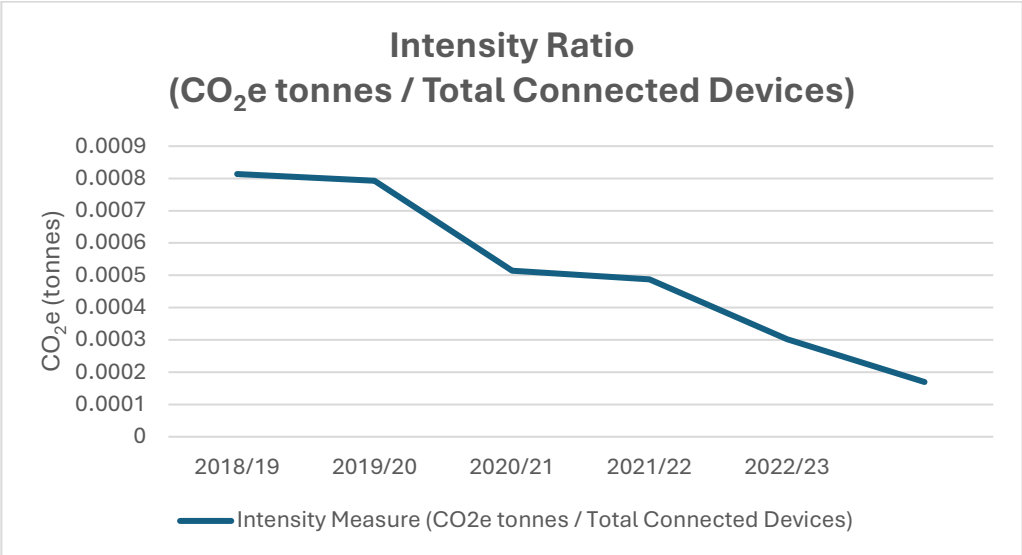
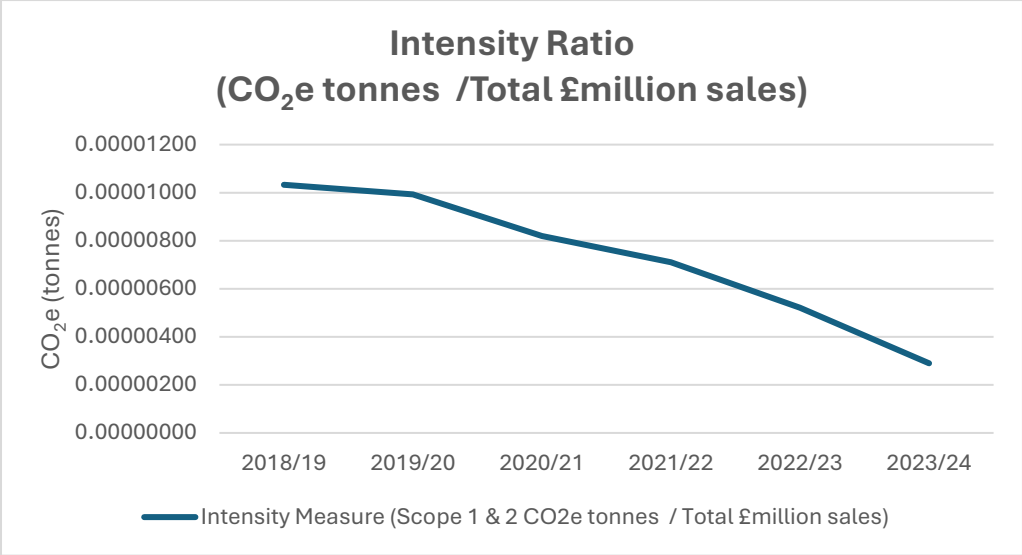
■ Total Scope 1 ■ Total Scope 2 - market based + heat and steam ■ Total Scope 3

2023 - Scope 3 Emissions by Category
Tonnes CO₂e



- Cat 1: Purchased goods and services
- Cat 2: Capital goods
- Cat 3: Fuel-and energy-related activities (not included in scope 1 or scope 2)
- Cat 4: Upstream transportation and distribution
- Cat 5: Waste generated in operations
- Cat 6: Business travel
- Cat 7: Employee commuting
- Cat 8: Upstream leased assets
- Cat 9: Downstream transportation and distribution
- Cat 10: Processing of sold products
- Cat 11: Use of sold products
- Cat 12: End-of-life treatment of sold products
- Cat 13: Downstream leased assets
- Cat 14: Franchises
- Cat 15: Investments





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