

Environmental, Health, and Safety Performance Metrics (2024 full year actuals)

Selected occupational health and safety (OHS) and environmental (including GHG emissions) metrics published in [PMI Integrated Report 2024](#) were based on actual data from 2024 (usually from January to September, some to August) and estimates for the remaining months. They have now been updated and presented in this document with actual data for the full year 2024 following the methodology as described in the statements referred to below.

This publication reflects PMI's performance metrics based on the information available at the time of publication in July 2025. Changes in circumstances or new information could impact the accuracy of certain details. For more information on our broader sustainability programs and policies, please reference PMI's [Integrated Report 2024](#).

Please note that these metrics are subject to external verification by SGS published on [PMI.com](#) (see the 2024 Assurance Statement including a list of the individual metrics assured [here](#) as well as the 2024 Scope 1+2 Verification Statement [here](#) and the 2024 Scope 3 Verification Statement [here](#)).

Foster an empowered and inclusive workplace

	2022	2023	2024
Protect the health and safety of our employees			
Lost time incident (LTI) rate per 200,000 hours worked – PMI employees, contracted workers, and contractors¹	0.07	0.08	0.04
LTI rate per 200,000 hours worked – PMI employees and contracted workers	0.06	0.05	0.04
LTI rate per 200,000 hours worked – contractors	0.09	0.17	0.05
Total recordable incidents rate (TRIR) per 200,000 hours worked – PMI employees, contracted workers, and contractors	0.12	0.11	0.07
TRIR per 200,000 hours worked – PMI employees and contracted workers	0.10	0.08	0.07
TRIR per 200,000 hours worked – contractors	0.14	0.19	0.07
Number of fatalities – PMI employees, contracted employees, and contractors ²	3	0	1
Number of fatalities – members of the public	9	3	3
Occupational illness frequency rate (OIFR) per 200,000 hours worked – PMI employees and contracted workers	0.000	0.000	0.000
Collision rate within PMI's fleet of vehicles per year (collisions per million km driven)	0.44	0.40	0.32

¹ For definition of contracted worker and contractor, see Glossary of PMI's [Integrated Report 2024](#).

² In Swedish Match, there were two work-related employee fatalities in 2024.

Tackle climate change

	2019	2022	2023	2024
Energy consumption in PMI direct operations				
Total energy consumption in PMI factories, offices, and fleet (gigajoules)	9,987,169	8,368,407	8,568,847	8,503,500
Proportion of total energy consumed that is from renewable sources	27%	36%	38%	39%
Energy intensity (gigajoules per net revenues million USD) ¹	n/a	n/a	243	224
Fuel consumption from nonrenewable sources (gigajoules)	5,970,547	4,682,466	4,774,756	4,526,134
Fuel consumption from renewable sources (gigajoules)	292,238	267,162	264,070	305,992
Total electricity consumed (MWh) ²	1,006,246	944,365	958,169	988,567
Total electricity consumed that is from renewable sources (MWh) ²	623,940	762,108	837,470	837,539
Total GHG emissions - Scope 1+2				
Absolute CO ₂ e scope 1 (metric tons) ³	406,660	310,028	305,382	285,071
Absolute CO ₂ e scope 2 (metric tons) ^{2,3}	182,096	62,802	50,006	62,975
Absolute CO ₂ e scope 1+2 (metric tons) ^{2,3}	588,756	372,830	355,388	348,046
- Absolute reduction versus 2019 baseline	n/a	37%	40%	41%
Carbon offsetting certificates (metric tons) ⁴	1,242	42,848	71,256	119,274
Net CO ₂ e scope 1+2 (metric tons) ^{2,3,5}	587,514	329,982	284,132	228,772
CO ₂ e scope 1+2 intensity (tons per net revenues million USD) ¹	n/a	n/a	10	9
Scope 1+2 - Manufacturing				
Absolute CO ₂ e scope 1+2 (metric tons) from manufacturing ⁹	394,447	242,392	224,605	222,359
Proportion of electricity used and purchased that is from renewable sources ⁹	72%	87%	95%	90%
Proportion of carbon-neutral factories ^{9,10}	3%	35%	43%	61%
Scope 1+2 - PMI Fleet				
Absolute CO ₂ e scope 1 from fleet (metric tons) ⁹	111,400	79,543	81,060	80,808
- Absolute reduction versus 2019 baseline ⁹	n/a	29%	27%	27%
CO ₂ e emissions from fleet (g CO ₂ e per km driven) ⁹	222	191	179	172
Scope 3 - Total				
Absolute CO ₂ e scope 3 ('000 metric tons) ⁶	5,179	4,840	4,657	4,682
- Absolute reduction versus 2019 baseline ^{6,7}	n/a	7%	10%	10%
Absolute CO ₂ e scope 3 FLAG ('000 metric tons) ⁶	1,641	1,278	1,313	1,376
- Absolute FLAG reduction versus 2019 baseline ⁶	n/a	22%	20%	16%
Absolute CO ₂ e scope 3 industrial ('000 metric tons) ⁶	3,539	3,563	3,344	3,306
- Absolute industrial reduction versus 2019 baseline ⁶	n/a	(1)%	6%	7%
CO ₂ e scope 3 biogenic emissions ('000 metric tons) ⁶	2,605	2,355	2,311	2,403
Scope 3 - Tobacco supply chain				
Absolute CO ₂ e scope 3 ('000 metric tons) from tobacco supply chain ⁹	1,287	910	838	964
- Absolute reduction versus 2019 baseline ⁹	n/a	29%	35%	25%
CO ₂ e intensity reduction in tobacco curing versus 2019 baseline ^{8,9}	n/a	57%	51%	37%
Total PMI value chain				
Absolute CO ₂ e scope 1+2+3 ('000 metric tons) ⁶	5,768	5,213	5,012	5,030
- Absolute reduction versus 2019 baseline ⁶	n/a	10%	13%	13%
CO ₂ e scope 1+2+3 intensity (tons per net revenues in million USD) ^{6,1}	n/a	n/a	142	133

As we are improving our carbon footprint model continuously, we have refined scope 3 calculations and incorporated the most recent primary data from suppliers. Consequently, this has led to the restatement of historical data, including the 2019 baseline, with affected metrics indicated by (◊).

- 1 Intensity is measured per net revenues in million USD (data are based on latest estimates used to run carbon footprint exercise). KPI values are provided as of 2023 to ensure comparability as prior years net revenues figure does not fully include Swedish Match.
- 2 Excludes electricity consumption from fleet.
- 3 Emissions from PMI-operated IQOS stores are partially excluded from scope 1+2 emissions, as de minimis. As of 2022, a portion of PMI's retail stores (representing approximately 10% of total retail surface area) have been included in the scope 1+2 emissions.
- 4 Our 2024 figures include the retirement of carbon credit certificates for 22 production centers in 17 countries and 50 markets. Please refer to carbon neutrality declarations [here](#).
- 5 The Net CO₂e scope 1+2 emissions excluding Swedish Match were equal to 191,094 metric tons in 2024 and 249,250 in 2023.
- 6 For further details on scope 3 calculation, please refer to [PMI's Value Chain Carbon Footprint Methodology Overview](#). In 2024, we further improved our carbon footprint model and data accuracy; improvements relate to, for example, a shift in the overland emissions calculation method from spend-based to a hybrid calculation and improvements/updates on emission factors in several scope 3 categories. This led to previous years being restated accordingly.
- 7 The absolute CO₂e scope 3 reduction vs. 2019 excluding Swedish Match was equal to 11% in 2024, 11% in 2023 and 7% in 2022.
- 8 Intensity is measured in CO₂e per million shipped cigarette equivalent.
- 9 Excludes Swedish Match.

Preserve nature

	Scope	2022	2023	2024
Water				
Total amount of water consumed (withdrawn minus discharged) ('000		1,547	1,465	1,307
Total amount of water withdrawn ('000 m3)		3,089	3,181	3,208
Total amount of freshwater withdrawn ('000 m3)¹	PMI	2,137	2,173	2,241
Water ratio (water withdrawn in m3 per million units of cigarettes produced) ²	factories	2.5	2.4	2.3
Proportion of PMI factories certified to AWS standard ³		51%	83%	90%
Waste				
Percentage of waste diverted from landfill in manufacturing operations ⁴		99.9%	99.9%	99.9%
Total amount of waste generated (in metric tons)		119,192	127,931	133,151
-Recycled		86.9%	84.2%	84.7%
-Incinerated with energy recovery		12.0%	13.9%	13.9%
-Incinerated without energy recovery		0.3%	0.9%	0.7%
-Disposed to landfill⁵	PMI	0.8%	0.9%	0.7%
Amount of hazardous waste generated (in metric tons)	factories	1,698	2,428	3,210
-Incinerated with energy recovery		67.4%	47.1%	60.4%
-Recycled		16.7%	18.8%	18.4%
-Incinerated without energy recovery		13.4%	32.6%	20.4%
-Disposed to landfill		2.5%	1.5%	0.9%
Environmental management				
Number of environmental fines (and approximate amount in USD) ⁶	PMI	0	0	0
	factories			

Data exclude Swedish Match.

- 1** Refers to amount of freshwater withdrawn from municipal sources.
- 2** Water intensity is measured in cubic meters per million cigarettes produced equivalent.
- 3** Aspiration pertains to priority manufacturing facilities identified based on site overall risk in relation to the watershed, water withdrawal, water consumption, product portfolio, and other strategic considerations. PMI sites that are in low-to-medium water risk areas and below 2.5% of PMI manufacturing water footprint are excluded.
- 4** We aspire to have virtually zero waste to landfill in manufacturing operations. This is achieved when the landfill diversion rate is equivalent to 99 percent or greater. Our calculation of zero waste to landfill does not include canteen and sanitary waste, which do not relate to our production processes. It also excludes the mandated waste, generally tobacco, that we are obliged to landfill to respect local regulations.
- 5** Disposal to landfill includes sanitary waste, canteen waste, and waste mandated by authorities to be disposed of in landfill.
- 6** Fines above USD 10,000 (or equivalent in converted currency). PMI does not have any anticipated accrued environmental liabilities at year-end 2024.