Disclosure of quantitative indicators

IFRS S2 14c

Indicators	Unit	2021	2022	2023	2024
Greenhouse gas (GHG) emissions					
Scope 1 emissions, excluding those associated with heat and electricity supply to households and other consumers in the regions of operation	mln t of CO_2 equivalent	6.3	5.9	5.9	5.9
Scope 1 emissions associated with heat and electricity supply to households and other consumers in the regions of operation	mln t of CO_2 equivalent	1.3	1.3	1.1	1.1
Estimated prospective Scope 1 emissions related to the ramp-up of the Sulphur Project at Nadezhda Metallurgical Plant to design capacity ("provision")	mln t of CO_2 equivalent	1.2	1.2	1.2	1.2
Energy indirect Scope 2 GHG emissions (location-based)	mln t of CO_2 equivalent	0.5	0.5	0.5	0.4
Absorption by gangue in tailings storage facilities	mln t of CO_2 equivalent	0.32	0.34	0.36	0.37
Scope 3	mln t of CO_2 equivalent	5.4	5.3	6.4	6.7
Downstream Scope 3 emissions, including:	mln t of CO_2 equivalent	4.0	3.9	5.1	5.5
• Refining at the first stage (first use)	mln t of CO_2 equivalent	3.8	3.7	4.9	5.3
• Transportation of sold products	mln t of CO_2 equivalent	0.2	0.2	0.2	0.2
Upstream Scope 3 emissions, including:	mln t of CO_2 equivalent	1.4	1.4	1.3	1.2
• Purchased goods and services	mln t of CO_2 equivalent	0.8	0.9	0.8	0.7
• Capital goods	mln t of CO_2 equivalent	0.1	0.1	0.1	0.1
• Energy and fuel	mln t of CO_2 equivalent	0.4	0.3	0.3	0.3
• Other categories	mln t of CO_2 equivalent	0.1	0.1	0.1	0.1
GHG emissions intensity (Scope 1 and 2)	tonnes of CO_2 equivalent per RUB 1 million of consolidated IFRS revenue	6.2	6.5	6.1	6.5
Product carbon footprint according to ISO 14044 (GWP 100)					
Palladium	kg of CO_2 equivalent per g of metal	30.4	27.4	28.6	24.6
Platinum	kg of CO_2 equivalent per g of metal	31.4	27.9	29.2	24.7
Rhodium	kg of CO_2 equivalent per g of metal	31.7	33.6	40.0	36.9
Metal nickel	kg of CO_2 equivalent per kg of product	9.7	8.3	8.5	8.9
Nickel sulphate	kg of CO_2 equivalent per kg of product	10.6	1.8	1.9	3.0
Metal cobalt	kg of CO_2 equivalent per kg of product	24.3	29.3	43.2	39.0
Cobalt sulphate	kg of CO_2 equivalent per kg of product	13.9	2.4	2.4	2.6
Copper cathodes	kg of CO_2 equivalent per kg of product	6.8	6.0	6.0	3.8
Fuel and energy savings resulting from energy consumption reduction and energy efficiency initiatives					
Group's total	TJ	546.8	362.7	469.5	782.8
Including electricity	TJ	35.8	76.6	55.1	382.6
Including heat in water and steam	TJ	454.7	248.3	251.3	255.0
Including fuel	TJ	56.3	37.8	163.1	145.2
Total energy consumption by the Nornickel Group					
Fuel consumption	TJ	151,235	141,909	137,150	133,746
Self-generated electricity and heat consumption from renewable energy sources	TJ	14,586	16,152	16,800	16,686
Electricity and heat purchased from third parties	TJ	10,891	11,005	8,701	8,660
Electricity and heat sales to third parties	TJ	19,974	18 968[1]	19 216[2]	18 838[3]
Total energy consumption across the Group	TJ	156,738	150,098	143,435	140,254
Energy intensity	GJ per RUB million[4]	117	127	116	120
Share of renewables in total electricity consumption	%	47	51	55	54
Fuel consumption by Group companies by type of fuel					
Total fuel consumption	TJ	151,235	141,909	137,150	133,746
Natural gas	TJ	130,867	125,934	121,643	117,940
Coal[5]	TJ	1,557	2,027	1,562	1,765
Diesel fuel and fuel oil	TJ	15,097	13,623	13,080	13,471
Petrol and jet fuel	TJ	3,715	325	312	297
Lignite	TJ	-	-	552	273
Electricity and heat consumption by Group companies					
Electricity and heat consumption by Group companies	TJ	60,772	60,143	59,687	60,034
Including electricity	TJ	30,487	31,546	30,334	30,266
Including heating and steam	TJ	30,285	28 597[6]	29,353	29,768

1 Including 4,183 TJ of electricity and 14,785 TJ of heat.
2 Including 4,203 TJ of electricity and 15,012 TJ of heat.
3 Including 4,108 TJ of electricity and 14,730 TJ of heat.
4 RUB million of consolidated revenue.
5 The Company uses coal as a chemical feedstock in its production processes and does not use it for heating purposes.
6 Including 5,946 TJ of steam energy.