

Environmental DATA

	Environmental data *	Unit	2018	2019	2020
GRI	Scope 1***				
	Direct energy consumption by primary energy sources				
	Fuel oil (all buildings, all uses)	'000 m ³	2.0	2.0	1.4
	Gas	'000 m ³	2,842	2,306	2,014
	Coal	tonnes	55.6	51	13
	Gasoline for company cars	'000 litres	1,072	1,549	1,813
	Diesel fuel for company vehicles	'000 litres	2,863	2,315	886
	Scope 1: Total energy	GWh	92	85	62
	Scope 1: CO ₂ emissions from fuel, gas and coal	'000 tonnes	11.1	11.9	9.2
	Scope 1: CO ₂ emissions from vehicles	'000 tonnes	10.4	9.8	6.5
	Scope 1: CO ₂ emissions from greenhouse gases	'000 tonnes	16.1	5.3	7.1
	Scope 1 – Direct CO₂ emissions	'000 tonnes	37.6	21.7	22.8
	Scope 2 – Indirect CO₂ emissions				
	Energy consumption – electricity	GWh	564	552	541
	Scope 2: CO ₂ emissions (location-based)	'000 tonnes	412	397	382
GRI302-1	Total CO₂ emissions (Scope 1+2)	'000 tonnes	449.3	424.5	404.6
	Scope 3				
	Business trips: distance travelled by plane	'000 km	6,398	5,740	526
	Business trips: distance travelled by train	'000 km	4,988	4,800	1,227
	Scope 3 – CO₂ emissions	'000 tonnes	1.7	1.4	1.3
GRI305-1 GRI305-2	Total CO₂ emissions (Scope 1+2+3)	'000 tonnes	451	426	405
	KPI: Electricity consumption/customer	kWh/customer	26.5	25.8	26.2
	KPI: CO ₂ emissions from electricity consumption/customer	kg/customer	19.3	18.6	18.5
	KPI: Scope 1+2 CO ₂ emissions during electricity consumption/customer	kWh/customer	30.8	29.8	29.2
	KPI: Scope 1+2+3 CO ₂ emissions (all energies)/customer	kg/customer	21.2	19.9	19.6
GRI301-1	Materials				
	Paper	'000 tonnes	0.8	0.6	0.4
GRI303-1	Water				
	Water consumption	'000 m ³	255.7	242.6	215
	Waste management				
	Internal WEEE (network & tertiary)	tonnes	94.6	112.2	38.5
	Wooden poles	tonnes	321.5	216.3	9.2
	Cables	tonnes	179.9	126.2	20.2
	Batteries	tonnes	115.7	92.6	3,670
	Paper / Cardboard	tonnes	18.8	14.7	41.2
	Other hazardous waste (including PCB)	tonnes	2.6	3.4	2.9
	Other non-hazardous waste	tonnes	2,067.2	1,233.7	4,911
GRI306-2	Waste recycled internally	tonnes	2,774.2	1,799	8,693

Electrical and electronic equipment					
Collected and recycled handsets	pcs.	16,034	36,671	33,609	
Refurbished and relaunched handsets	pcs.	5,644	8,561	10,248	
Refurbished and relaunched multimedia (broadband) devices	pcs.	491.125	410.774	503.045	
Electromagnetic field emissions					
Compliance with the relevant standards		yes	yes	yes	

* The presented environmental indicators are the same for the Group and Orange Polska, as the latter owns the buildings and network infrastructure which constitute the basis for determining energy consumption and greenhouse gas emissions. Emissions generated by business trips (gasoline and diesel combustion) are determined for the Orange Group, whereas other indicators, i.e. EMF emissions and handset recycling/refurbishment, are specific to Orange Polska only.

** The presented full-year figures consist of actual data for Q1, Q2 and Q3 and estimates for Q4. Environmental data are based on reporting to the Orange Group's global database INDICIA. Electricity consumption in Orange Polska's buildings is determined on the basis of records in the electricity database (BEE), which contains readouts of individual electricity meters. GHG emissions are calculated according to the GHG Protocol. For electricity, GHG emissions are calculated using emission factors derived from International Energy Agency (IEA). There are no biogenic GHG emissions in the Company.

*** Scope 1 (direct) GHG emissions are defined as emissions from sources (resources, processes) that are owned or controlled by the organisation. In line with global guidelines and adopted objectives, only CO₂ emissions are monitored.

**** Waste is generated during liquidation of fixed assets or in the course of investments/repairs. The summary below indicates major drops in some items, such as cables, wooden poles or used-up equipment, while large increases in other categories, such as batteries or other waste not classified otherwise. The increases resulted from a process of replacement of network infrastructure elements related to their service life and investments in new solutions.