

## Environmental Data

GRI	Environmental data*	Unit	2017	2018**	2019**	
GRI302-1	Scope 1***					
	Direct energy consumption by primary energy sources					
	Fuel oil (all buildings, all uses)	'000 m <sup>3</sup>	2.2	2.0	2.0	
	Gas	'000 m <sup>3</sup>	3,103	2,842	2,306	
	Coal	tonnes	71	55.6	51	
	Gasoline for company cars	'000 litres	765	1,072	1,549	
	Diesel fuel for company vehicles	'000 litres	3,239	2,863	2,315	
	Scope 1: Total energy	GWh	97	92	85	
	Scope 1: CO <sub>2</sub> emissions from fuel, gas and coal	'000 tonnes	12.0	11.1	11.9	
	Scope 1: CO <sub>2</sub> emissions from vehicles	'000 tonnes	10.7	10.4	9.8	
	Scope 1: CO <sub>2</sub> emissions from greenhouse gases	'000 tonnes	22.7	16.1	5.3	
	Scope 1 – Direct CO <sub>2</sub> emissions	'000 tonnes	27.0	37.6	21.7	
	Scope 2 – Indirect CO <sub>2</sub> emissions					
	Energy consumption – electricity	GWh	581	564	552	
GRI305-1 GRI305-2	Scope 2: CO <sub>2</sub> emissions (location-based)	'000 tonnes	439	412	397	
	Total CO <sub>2</sub> emissions (Scope 1+2)	'000 tonnes	465.4	449.3	424.5	
	Scope 3			656	638	
	Business trips: distance travelled by plane	'000 km	8,029	6,398	5,740	
	Business trips: distance travelled by train	'000 km	6,263	4,988	4,800	
	Scope 3 – CO <sub>2</sub> emissions	'000 tonnes	2.1	1.7	1.4	
	Total CO <sub>2</sub> emissions (Scope 1+2+3)	'000 tonnes	468	451	426	
	KPI: Electricity consumption/customer	kWh/customer	27.4	26.5	25.8	
	KPI: CO <sub>2</sub> emissions from electricity consumption/customer	kg/customer	20.7	19.3	18.6	
	KPI: Scope 1+2 CO <sub>2</sub> emissions during electricity consumption/customer	kWh/customer	32.0	30.8	29.8	
	KPI: Scope 1+2+3 CO <sub>2</sub> emissions (all energies)/customer	kg/customer	22.1	21.2	19.9	
	GRI301-1	Materials				
		Paper	'000 tonnes	1.8	0.8	0.6
GRI303-1	Water					
	Water consumption	'000 m <sup>3</sup>	315	255.7	242.6	
GRI306-2	Waste management					
	Internal WEEE (network & tertiary)	tonnes	70.4	94.6	112.2	
	Wooden poles	tonnes	190.9	321.5	216.3	
	Cables	tonnes	287.9	179.9	126.2	
	Batteries	tonnes	101.8	115.7	92.6	
	Paper / Cardboard	tonnes	13.8	18.8	14.7	
	Other hazardous waste (including PCB)	tonnes	7.0	2.6	3.4	
	Other non-hazardous waste	tonnes	1 050.4	2,067.2	1,233.7	
Total waste	tonnes	1,722.2	2,774.2	1,799		

GRI	Environmental data*	Unit	2017	2018**	2019**
	<b>Electrical and electronic equipment</b>				
	Collected and recycled handsets	pcs.	42,869	16,034	36,671
	Refurbished and relaunched handsets	pcs.	8,138	5,644	8,561
	Refurbished and relaunched multimedia (broadband) devices	'000	396	491	411
	<b>Electromagnetic field emissions</b>				
	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. Due to global guidelines and adopted objectives, only CO<sub>2</sub> emissions are monitored.

