Green transition

[GRI 302-1] INTERNAL GROUP ENERGY CONSUMPTION*

Internal energy consumption	2021	2022	2023**
Consumption of fuel from non-renewable sources (GJ)	**2,516,482**	**2,314,922**	**2,002,884**
of which:			
LPG	29,264	13,692	7,275
Diesel	720,765	450,907	297,584
Natural gas	831,068	723,860	617,866
Jet fuel	664,375	682,129	546,389
Petrol (GJ)	271,011	444,335	533,770
Consumption of energy from non-renewable sources (GJ)	**53,140**	**30,037**	**46,623**
of which:			
Thermal energy (district heating)	25,677	23,308	26,071
Electricity supplied by the National Grid	27,464	6,729	20,552
Consumption of energy from renewable sources (GJ)	**1,588,317**	**1,570,291**	**1,485,592**
of which:			
Self-produced photovoltaic electricity	7,145	9,032	22,554
Certified guarantee of origin electricity	1,581,172	1,561,258	1,463,038
Total energy consumption (GJ)	**4,157,939**	**3,915,250**	**3,535,100**
of which:			
from renewable sources	1,588,317	1,570,291	1,485,592
from non-renewable sources	2,569,623	2,344,959	2,049,507

* Includes energy consumed by real estate and in road transport logistics and airmail. Source of factors used in conversion to GJ: GHG Protocol and DEFRA 2023 Guidelines.

[GRI 302-2] EXTERNAL GROUP ENERGY CONSUMPTION*

External energy consumption	2021	2022	2023**
Total external Group energy consumption (GJ)	**2,548,699**	**3,616,077**	**3,316,286**
of which:			
Diesel	2,323,096	3,347,986	3,065,778
Petrol (GJ)	0	0	31,763
Natural gas	70	718	803
LPG	127	161	166
Jet fuel	225,406	267,213	217,777

* The 2023 reporting boundary includes the Parent Company and Group companies.
** The target set for 2023 is 1,500,000 GJ (416,667 MWh) for total energy from renewable sources (internal and external) and 5,800,000 GJ (1,487,764 MWh) for total energy from non-renewable sources (internal and external).

[GRI 302-3] ENERGY INTENSITY

Energy intensity	2021	2022	2023
Consumption of fuel from non-renewable sources (GJ)	2,516,482	2,314,922	2,002,884
Consumption of energy from non-renewable sources (GJ)	53,140	30,037	46,623
Consumption of energy from renewable sources (GJ)	1,588,317	1,570,291	1,485,592
Total energy consumption (GJ)	**4,157,939**	**3,915,250**	**3,535,100**
Total number of employees	118,969	121,033	120,155
Energy intensity (GJ/P)*	**34.9**	**32.3**	**29.4**

* P = amount of personnel employed on site.

[GRI 305-1] TOTAL DIRECT GHG EMISSIONS (SCOPE 1); [GRI 305-2] TOTAL INDIRECT GHG EMISSIONS (SCOPE 2); [GRI 305-3] TOTAL OTHER INDIRECT GHG EMISSIONS (SCOPE 3)*

	2021	2022	2023
Direct emissions – Scope 1 (tCO_2e)**	**165,508**	**152,703**	**130,592**
of which:			
LPG	1,872	876	464
Diesel	50,384	32,102	21,006
Natural gas	46,872	40,661	34,801
Jet fuel	48,142	49,489	39,630
Petrol (GJ)	18,238	29,575	34,690
Indirect emissions – Scope 2 (tCO_2e)***	**5.709**	**2.860**	**4.972**
of which:			
Thermal energy	2,211	2,007	2,362
Electricity	3,498	853	2,610
Indirect emissions – Scope 3 (tCO_2e)****	**178,737**	**257,796**	**234,326**
of which:			
Diesel	162,392	238,359	216,411
Natural gas	4	40	45
Petrol (GJ)	0	0	2,064
LPG	8.1	10.3	10.6
Jet fuel	16,333	19,387	15,796

* The 2023 reporting boundary includes the Parent Company and Group companies.

** Emission factors used for conversion of fuels to CO_2e: LPG for 2021 1.56 kg CO_2e/l (source DEFRA 2021), for 2022 1.56 kg CO_2e/l (source DEFRA 2022) and for 2023 1.56 kg CO_2e/l (source DEFRA 2023). Diesel for 2021 2.51 kg CO_2e/l (source DEFRA 2021), for 2022 2.56 kg CO_2e/l (source DEFRA 2022) and for 2023 2.51 kg CO_2e/l (source DEFRA 2023). Natural Gas for 2021 2.02 kg CO_2e/m^3 (source DEFRA 2021), for 2022 2.02 kg CO_2e/m^3 (source DEFRA 2022) and for 2023 2.04 kg CO_2e/m^3 (source DEFRA 2023). Petrol for 2021 2.19 kg CO_2e/l (source DEFRA 2021), for 2022 2.16 kg CO_2e/l (source DEFRA 2022) and for 2023 2.1 kg CO_2e/l (source DEFRA 2023). The target set for 2023 is 135,000 tCO_2e.

*** Poste Italiane purchases certificates of renewable origin for 99% of its electricity consumption. The GRI Sustainability Reporting Standards envisage two calculation methods for Scope 2 emissions – the location-based method and the market-based method. The Market-based method (methodology used by Poste Italiane) is based on CO_2 emitted by the energy suppliers from whom the organisation purchases, through a contract, electricity (in this case, certificates of guarantee of origin from renewable energy sources) and for the remaining 1% emission factors from the national electricity grid (emission factor for the calculation of the Market-based method for: 2023 0.457 kg CO_2e/kWh, source European Residual Mixes 2022, for 2022 0.457 kg CO_2e/kWh, source European Residual Mixes 2021, for 2021 0.459 kg CO_2e/kWh, source European Residual Mixes 2020). Conversion factors used to convert thermal energy into CO_2e: for 2021, 0.17 kg CO_2e/kWh, for 2022, 0.17 kg CO_2e/kWh and for 2023, 0.18 kg CO_2e/kWh. The target set for 2023 is 5,000 tCO_2e.
The Location-based method, on the other hand, is based on average emission factors for regional, sub-national or national power generation. Applying the Location-based the total Group emissions of Scope 2 in 2021 117,630 tCO_2e and in 2022 109,022 tCO_2e and in 2023 123,233 tCO_2e. Emission factors used for Location-based method calculation: for 2021 0.258 kg CO_2e/kWh (source: Emission factor of electric consumption processed by ISPRA 2021, referred to year 2020), for 2022 0.246 kg CO_2e/kWh (source: Electricity consumption emission factor processed by ISPRA 2022, referred to year 2021), for 2023 0.293 kg CO_2e/kWh (source: Electricity consumption emission factor processed by ISPRA 2023, referred to year 2022). Values for 2021-2022 have been updated following a refinement of the reporting system.

**** Emission factors used for conversion of fuels to CO_2e: Jet fuel for 2021 2.55 kg CO_2e/l (source DEFRA 2021), for 2022 2.55 kg CO_2e/l (source DEFRA 2022) and for 2023 2.54 kg CO_2e/l (source DEFRA 2023). The target set for 2023 is 250,000 tCO_2e. The table considers categories related to material issues relevant to the Group under the Green Transition Pillar strategy, specifically category 9 “Downstream transportation and distribution” and category 13 “Downstream leased assets.” Category 6 “Business travel,” category 7 “Employee commuting” and category 15 “Investments” are monitored and reported in separate tables.

[GRI 306-3] WASTE GENERATED; [GRI 306-4] WASTE RECOVERED; [GRI 306-5] WASTE DISPOSED OF*

	2021			2022**			2023		
Waste by type (t)	**Waste generated**	**Waste recovered**	**Waste disposed of**	**Waste generated**	**Waste recovered**	**Waste disposed of**	**Waste generated**	**Waste recovered*** **	**Waste disposed of**** **
Total waste	**34,471.7**	**33,202.5**	**1,269.2**	**37,245.3**	**36,443.2**	**802.1**	**38,904.5**	**38,533.1**	**371.4**
of which:									
Paper/cardboard	13,584.9	13,539.2	45.8	15,588.5	15,467.8	125.2	17,171.5	17,171.5	0
Plastic	1,359.3	1,359.3	0	1,282.4	1,282.4	0	1,365.5	1,365.5	0
Wood	10,481.8	10,478.2	3.6	10,097.9	10,097.9	0	10,537.3	10,537.3	0
Other	9,045.8	7,825.9	1,219.8	10,276.5	9,595.2	676.9	9,830.2	9,458.8	371.4

* The figures for the quantity of waste produced are provided by the companies that provide waste management services.
** The 2022 values have been updated following a refinement of the reporting system.
*** The target expected for 2023 with respect to recovered waste is 36,000 tonnes.
**** The target set for 2023 in relation to waste sent to disposal (landfill, incinerated and other types of disposal) is 500 tonnes.

	2021		2022*		2023	
Total weight of hazardous waste recovered (t)	**On site**	**Off site**	**On site**	**Off site**	**On site**	**Off site**
Preparation for reuse	0	0	0	0	0	0
Recycling	0	364.4	0	247.8	0	150.5
Other operations of recovery	0	0	0	0	0	0
Total	**0**	**364.4**	**0**	**247.8**	**0**	**150.5**
Total hazardous waste recovered	**364.4**		**247.8**		**150.5**	

* The 2022 values have been updated following a refinement of the reporting system.

	2021		2022*		2023	
Total weight of non-hazardous waste recovered (t)	**On site**	**Off site**	**On site**	**Off site**	**On site**	**Off site**
Preparation for reuse	0	0	0	0	0	0
Recycling	0	32,838.2	0	36,195.35	0	38,382.61
Other operations of recovery	0	0	0	0	0	0
Total	**0**	**32,838.2**	**0**	**36,195.35**	**0**	**38,382.61**
Total non-hazardous waste recovered	**32,838.2**		**36,195.35**		**38,382.61**	

* The 2022 values have been updated following a refinement of the reporting system.

	2021		2022****		2023	
Total weight of hazardous waste recovered (t)	**On site**	**Off site**	**On site**	**Off site**	**On site**	**Off site**
Disposal in landfill*	0	99.3	0	3.0	0	7.4
Incinerated**	0	0.3	0	0	0	0
Other type of disposal***	0	36.1	0	41.3	0	22.9
Total	**0**	**135.8**	**0**	**44.3**	**0**	**30.3**
Total hazardous waste disposed	**135.8**		**44.3**		**30.31**	

	2021		2022****		2023	
Total weight of non-hazardous waste disposed (t)	**On site**	**Off site**	**On site**	**Off site**	**On site**	**Off site**
Disposal in landfill*	0	616.6	0	358.6	0	214.1
Incinerated**	0	0.01	0	0	0	0
Other type of disposal***	0	516.8	0	399.2	0	127
Total	**0**	**1,133.4**	**0**	**757.8**	**0**	**341**
Total non-hazardous waste disposed	**1,133.4**		**757.8**		**341.1**	

* The target expected for 2023 with respect to the total amount of waste for disposal (hazardous and non-hazardous) is 300 tonnes.
** The target expected for 2023 with respect to the total amount of waste for disposal by incineration (hazardous and non-hazardous) is 0.1 tonnes.
*** The target expected for 2023 with respect to the total amount of waste for disposal through forms other than landfilling and incineration (hazardous and non-hazardous) is 200 tonnes.
**** The 2022 values have been updated following a refinement of the reporting system.