



Verification Statement of AENOR for Telefónica on the Inventory of greenhouse gas emissions corresponding to the year 2024

DOSSIER: 2009/1133/GHG/01

Introduction

Telefónica (hereinafter the company) has commissioned AENOR Confía, S.A.U. (AENOR) to make a limited revision of the inventory of Greenhouse Gases (GHG) for the verification period of its activities included in the Greenhouse Gas Inventory Report 2024, which is part of this Declaration.

AENOR is accredited by Entidad Nacional de Acreditación (ENAC), with number 3/VV026, in accordance with the ISO 17029:2019 and ISO 14065:2020 Standards for the verification of Greenhouse Gas (GHG) Emissions Reports, as well as by the Entidad Mexicana de Acreditación, with number OVVGEI 004/14, in accordance with the ISO Standard 14065:2020, for the verification of greenhouse gas emissions in accordance with the requirements established in ISO 14064-3:2019 for the energy and waste sectors.

Inventory of GHG emissions issued by the Organisation:

- Corporate: C/ Ronda de la Comunicación, Distrito Telefónica, Madrid (Spain).

Representatives of the Organisation: Maya Ormazábal Herrero/Camilo Andrés Guarín García, Climate Change and Energy Efficiency Office.

Telefónica was responsible for reporting its GHG emissions according to the GHG PROTOCOL standard.

Objective

The objective of the verification is to provide the interested parties with an independent and professional opinion on the information and data contained in Telefónica's GHG Inventory.

Scope of the Verification

The greenhouse gases and emission sources considered as well as the geographical scope of the activities included in the organisation's greenhouse gas inventory are described below.

The organisation's GHG emissions inventory includes the following GHGs CO₂, CH₄, N₂O, HFCs and HCFCs.

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For the verification process, a control approach is considered, under which Telefónica accounts for emissions attributable to the operations and facilities over which it exercises operational control. It also includes GTAC (Grupo Telecomunicaciones de Alta Capacidad. S.A. de C.V.), which is proportionally consolidated in Telefónica's financial perimeter.

Facilities are defined as base stations, technical buildings, vehicle fleets, office buildings, call centres and shops. Under this approach, the scope of the geographical verification is established for the following countries where the Telefónica Group operates:

Organizational and geographic boundaries		
Europe	Latin America	Telefonica Infra
Spain	Argentina (fixed and mobile networks)	Telefonica Tech
Operating Business	Brazil (fixed and mobile networks)	Other Companies (Telefónica Global Solutions, Telefónica S.A., Wayra, Telefónica Security Engineering, among others)
Corporate Buildings	Chile (fixed and mobile networks)	
Distrito Telefónica	Colombia (fixed and mobile networks)	
Diagonal Building	Ecuador (mobile network)	
Gran Via Building	México (mobile network)	
ACENS	Perú (fixed and mobile networks)	
Bluevia Fibra	Uruguay (mobile network)	
LOTCA	Venezuela (mobile network)	
Germany (mobile network)		

Direct, indirect activities and exclusions from verification.

The activities subject to verification are set out in 3 scopes (following the GHG Protocol guidelines), which are:

- Scope 1- Direct GHG emissions
- Scope 2 – Energy indirect GHG emissions
- Scope 3- Other indirect emissions. It is included:
 - o Purchase of goods and services
 - o Capital goods

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- o Activities related to the consumption of energy and fuel (not included in scopes 1 and 2)
- o Business travel
- o Use of sold products
- o Investments

General Exclusions:

There are no exclusions.

Base year

Telefónica has selected 2015 as the base year for Scope 1 and 2 and 2016 for Scope 3.

Materiality

For the verification it was agreed to consider as material discrepancies those omissions, distortions or errors that could be quantified and result in a difference of more than 5% with respect to the total of emissions declared.

Criteria

In general, the verification of the Greenhouse Gas Inventory Report has been performed taking into account the requirements set out in:

- a) ISO 14064-3:2019: Specification with guidance for the validation and verification of greenhouse gas assertions.
- b) GHG Protocol, Corporate Accounting and Reporting Standard (Revised Edition).
- c) GHG Protocol, Corporate Value Chain (scope 3) Accounting and Reporting Standard.

Finally, the emissions report drawn up by the organisation, dated 2024, was subject to verification.

AENOR waives any responsibility for decisions, regarding investment or of any other type, based on this declaration.

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Conclusion

As a conclusion according to the limited level of assurance agreed, AENOR states:

Based on the above, and in accordance with the limited level of assurance, there is no evidence to suggest that the information on GHG emissions reported in the Greenhouse Gas Inventory Report for the period 2024 is not a true and fair representation of the emissions from its activities.

In consequence with this Declaration below is a list of the emissions data that were finally verified.

Emissions Year: 2024	Unit	TOTAL
Gross Scope 1 greenhouse gas emissions	tCO2e	122.874
• Vehicle fleet	tCO2e	22.977
• Operations	tCO2e	32.605
• Fugitive emissions (refrigerant gases and fire fighting system)	tCO2e	67.291
Gross market-based Scope 2 greenhouse gas emissions	tCO2e	152.327
• District heating	tCO2e	355
• Electricity (market-based)	tCO2e	151.972
Gross location-based Scope 2 greenhouse gas emissions	tCO2e	939.452
• District heating	tCO2e	355
• Electricity (location-based)	tCO2e	939.097
Gross Scope 3 emissions	tCO2e	1.990.852
• Scope 3 Emissions - Cat. 1. Purchase of goods and services	tCO2e	1.066.137
• Scope 3 Emissions - Cat. 2. Capital goods	tCO2e	208.494
• Scope 3 Emissions - Fuel and energy-related Activities (not included in Scope1 or Scope 2)	tCO2e	89.585
• Scope 3 Emissions - Cat. 6. Business travel	tCO2e	41.418
• Scope 3 Emissions - Cat. 11. Use of sold products	tCO2e	556.777
• Scope 3 Emissions – Cat. 15. Investments	tCO2e	28.441
Percentage of GHG Scope 3 calculated using primary data	%	72
Scope 1 and 2 (market based)	tCO2e	275.201
Total GHG emissions (location-based) [Scope 1 + Scope 2location + Scope 3]	tCO2e	3.053.178
Total GHG emissions (market-based) [Scope 1 + Scope 2market + Scope 3]	tCO2e	2.266.053
Biogenic emissions of CO2 from the combustion or bio-degradation of biomass not included in Scope 1 GHG emissions	tCO2e	15.816
Emissions avoided by renewable energy consumption	tCO2e	788.779
Emissions avoided by energy efficiency projects	tCO2e	33.700

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Directed actions	Unit	TOTAL
Emissions avoided by energy efficiency projects	tCO2e	33.700
• Lightning	tCO2e	957
• Power Saving Features	tCO2e	4.954
• Cooling	tCO2e	4.953
• Power	tCO2e	390
• Network transformation	tCO2e	22.090
• Others	tCO2e	355

Emission Offsets	Unit	TOTAL
Total amount of carbon credits cancelled	tCO2e	37.655
• Carbon credits of reduction projects	tCO2e	25.420
o Percentage of reduction projects	%	67,5
• Carbon credits of removals projects	tCO2e	12.235
o Percentage of removal projects	%	32,5
• Percentage for recognised quality standard		
o Percentage for recognised quality standard Verra Registry	%	98,8
o Percentage for recognised quality standard Spanish OECC Registry	%	1,2
o Percentage issued from projects in European Union	%	1,2

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Energy Data Year: 2024	Unidad	TOTAL
Total energy consumption related to own operations	MWh	6.059.374
• Consumo total de electricidad + Autogeneración de energía renovable	MWh	5.783.755
o Consumption at base stations	MWh	2.951.154
o Consumption in Central Stations (Fixed Switch Sites)	MWh	1.924.644
o Consumption in Mobile Telephone Switching Offices (MTSOS)	MWh	277.405
o Consumption in Data Centers	MWh	361.413
o Consumption in Others (Offices, Call Centers, Shops, Landing Stations, Pops and OIas)	MWh	261.018
o Consumption in electric vehicles	MWh	744
o Consumption of self-generated non-fuel renewable energy	MWh	7.377
• Fuel consumption + District heating	MWh	275.619
o Operations fuel consumption	MWh	126.810
o Fleet fuel consumption	MWh	142.181
o District heating consumption	MWh	6.628
Electricity consumption from renewable sources including self-generation	MWh	5.144.063
% of renewable electricity consumption in own facilities	%	89

Directed actions	Unidad	TOTAL
Energy Saved by energy efficiency projects (MWh)	MWh	241.721
• Lightning	MWh	5.259
• Power Saving Features	MWh	21.606
• Cooling	MWh	33.128
• Power	MWh	1.250
• Network transformation	MWh	177.708
• Others	MWh	2.770

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Energy Data Year: 2024	Unidad	TOTAL
Total energy consumption related to own operations	MWh	6.059.374
• Total energy consumption from fossil sources	MWh	850.950
○ Consumption of purchased or acquired electricity, heat, steam, or cooling from fossil sources	MWh	646.321
▪ Consumption of purchased or acquired electricity from fossil sources	MWh	639.693
▪ Consumption of purchased or acquired heat, steam, or cooling from fossil sources	MWh	6.628
○ Consumption of fuel (excluding feedstock) MWh from non-renewable sources	MWh	204.629
• Total energy consumption from renewable sources	MWh	5.208.424
○ Fuel consumption from renewable sources	MWh	64.361
○ Consumption of purchased or acquired electricity, heat, steam, and cooling from renewable sources	MWh	5.136.685
▪ Consumption of purchased or acquired electricity MWh from renewable sources	MWh	5.136.685
▪ Consumption of purchased or acquired heat, steam, and cooling from renewable sources	MWh	-
○ Consumption of self-generated non-fuel renewable energy	MWh	7.377
Percentage of fossil sources in total energy consumption	%	14
Percentage of renewable sources in total energy consumption	%	86

Contractual instruments	Unidad	TOTAL
Total Contractual instruments used for purchase of bundled and unbundled energy attribute claims	%	88,94
• Percentage of Contractual instruments used for purchase of energy bundled with attributes about energy generation (%) in third-party facilities	%	42,07
○ Percentage of renewable energy consumption covered by PPAs	%	22,09
○ Percentage of renewable energy consumption covered by Certificate of Guarantee of Origin embedded in the purchase, EACs (bundled)	%	12,85
○ Percentage of Renewable Energy Purchase (WITHOUT warranty certificate) global	%	6,99
○ Percentage self-generation electricity	%	0,14
• Percentage of Contractual instruments used for purchase of unbundled energy attribute claims (%)	%	57,93
○ Purchase of Renewable Guarantee of Origin Certificates	%	57,93

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Emissions Year: 2024	Unit	Telefónica Germany	Telefónica Spain	Telefónica Brazil	Telefónica Hispam	Telefónica Infra	Telefónica TECH	Other companies	TOTAL
Gross Scope 1 greenhouse gas emissions	tCO2e	5.774	18.229	26.349	67.832	1.160	378	3.152	122.874
• Vehicle fleet	tCO2e	4.583	2.133	695	13.507	40	208	1.812	22.977
• Operations	tCO2e	607	6.402	2.935	21.327	222	7	1.106	32.606
• Fugitive emissions (refrigerant gases and fire fighting system)	tCO2e	583	9.695	22.720	32.998	898	163	235	67.292
Gross market-based Scope 2 greenhouse gas emissions	tCO2e	352	-	0	150.664	125	1.183	3	152.327
• District heating	tCO2e	352	-	-	-	-	-	3	355
• Electricity (market-based)	tCO2e	-	-	0	150.664	125	1.183	-	151.972
Gross location-based Scope 2 greenhouse gas emissions	tCO2e	318.051	165.272	85.776	358.255	5.248	2.250	4.600	939.452
• District heating	tCO2e	352	-	-	-	-	-	3	355
• Electricity (location-based)	tCO2e	317.698	165.272	85.776	358.255	5.248	2.250	4.598	939.097
Gross Scope 3 emissions	tCO2e	313.696	646.791	345.596	593.943	7.586	35.904	47.336	1.990.852
• Scope 3 Emissions - Cat. 1. Purchase of goods and services	tCO2e	164.181	366.588	214.028	279.124	1.171	30.660	10.385	1.066.137
• Scope 3 Emissions - Cat. 2. Capital goods	tCO2e	27.972	62.622	61.432	46.993	4.094	3.246	2.135	208.494
• Scope 3 Emissions - Fuel and energy-related Activities (not included in Scope1 or Scope 2)	tCO2e	1.390	1.899	6.071	79.528	92	262	344	89.586
• Scope 3 Emissions - Cat. 6. Business travel	tCO2e	1.693	5.808	9.703	8.029	2.102	1.736	12.348	41.419
• Scope 3 Emissions - Cat. 11. Use of sold products	tCO2e	118.460	207.115	54.261	176.941	-	-	-	556.777
• Scope 3 Emissions – Cat. 15. Investments		-	2.759	101	3.329	128	-	22.124	28.441
Scope 1 and 2 (market based)	tCO2e	6.126	18.229	26.349	218.495	1.285	1.561	3.155	275.201
Total GHG emissions (location-based) [Scope 1 + Scope 2location + Scope 3]	tCO2e	637.521	830.292	457.721	1.020.029	13.994	38.532	55.089	3.053.178
Total GHG emissions (market-based) [Scope 1 + Scope 2market + Scope 3]	tCO2e	319.822	665.020	371.945	812.438	8.871	37.465	50.491	2.266.053
Biogenic emissions of CO2 from the combustion or bio-degradation of biomass not included in Scope 1 GHG emissions		-	-	14.918	891	7	-	-	15.816
Emissions avoided by renewable energy consumption	tCO2e	317.727	165.577	85.776	208.184	5.297	1.620	4.598	788.779
Emissions avoided by energy efficiency projects	tCO2e	4.696	13.802	3.131	12.015	-	-	55	33.700

Telefónica Spain includes, among other companies, the Operating Business and Bluevia.

Telefónica HISPAM includes, among other companies, the operating businesses in each country (Argentina, Chile, Colombia, Ecuador, Mexico, Peru, Uruguay and Venezuela). It also includes the associated company Grupo Telecomunicaciones Alta Capacidad (Mexico).

Telefónica Infra includes, among other companies, Telxius Cable.

Telefónica TECH includes, among other companies, ACENS and Telefónica Tech UK.

Other companies includes the units, among other companies, Telefónica S.A.

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Emissions Year: 2024	Unit	TEF AR	TEF CH	TEF CO	TEF EC	TEF MX	ALTA CAPACIDAD	TEF PE	TEF UY	TEF VE	Otros Hispan	TEF Hispan
Gross Scope 1 greenhouse gas emissions	tCO2e	24.135	9.845	10.406	2.934	5.718	446	4.106	384	9.857		67.832
• Vehicle fleet	tCO2e	7.773	3.060	340	144	515	345	655	286	389		13.507
• Operations	tCO2e	3.319	3.532	2.469	2.518	248	101	1.693	65	7.382		21.327
• Fugitive emissions (refrigerant gases and fire fighting system)	tCO2e	13.043	3.253	7.597	273	4.955	-	1.758	33	2.086		32.998
Gross market-based Scope 2 greenhouse gas emissions	tCO2e	67.598	-	4.466	3.848	29.913	3.411	-	1.222	40.205		150.664
• District heating	tCO2e	-	-	-	-	-	-	-	-	-		-
• Electricity (market-based)	tCO2e	67.598	-	4.466	3.848	29.913	3.411	-	1.222	40.205		150.664
Gross location-based Scope 2 greenhouse gas emissions	tCO2e	126.623	53.274	30.436	10.936	33.933	3.411	58.216	1.222	40.205		358.255
• District heating	tCO2e	-	-	-	-	-	-	-	-	-		-
• Electricity (location-based)	tCO2e	126.623	53.274	30.436	10.936	33.933	3.411	58.216	1.222	40.205		358.255
Gross Scope 3 emissions	tCO2e	153.935	108.800	85.888	13.999	76.023	1.061	102.176	8.878	34.246	8.937	593.943
• Scope 3 Emissions - Cat. 1. Purchase of goods and services	tCO2e	55.870	53.239	45.678	6.914	53.040	-	49.553	5.650	1.825	7.355	279.124
• Scope 3 Emissions - Cat. 2. Capital goods	tCO2e	8.148	7.198	11.821	3.198	1.293	-	8.737	763	4.361	1.475	46.993
• Scope 3 Emissions - Fuel and energy-related Activities (not included in Scope 1 or Scope 2)	tCO2e	34.095	1.447	2.562	2.410	8.571	1.061	571	1.051	27.759	-	79.528
• Scope 3 Emissions - Cat. 6. Business travel	tCO2e	2.530	1.009	1.373	569	827	-	994	319	301	108	8.029
• Scope 3 Emissions - Cat. 11. Use of sold products	tCO2e	53.291	45.596	24.327	909	12.292	-	39.430	1.096	-	-	176.941
• Scope 3 Emissions – Cat. 15. Investments		-	311	127	-	-	-	2.891	-	-	-	3.329
Scope 1 and 2 (market based)	tCO2e	91.733	9.845	14.872	6.782	35.631	3.856	4.106	1.607	50.062	-	218.495
Total GHG emissions (location-based) [Scope 1 + Scope 2location + Scope 3]	tCO2e	304.692	171.919	126.730	27.868	115.674	4.918	164.498	10.484	84.308	8.937	1.020.029
Total GHG emissions (market-based) [Scope 1 + Scope 2market + Scope 3]	tCO2e	245.668	118.645	100.761	20.781	111.654	4.918	106.282	10.484	84.308	8.937	812.438
Biogenic emissions of CO2 from the combustion or bio-degradation of biomass not included in Scope 1 GHG emissions		616	-	173	-	-	-	87	15	-		891

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Emissions avoided by renewable energy consumption	tCO2e	59.048	53.287	26.182	7.092	4.020	-	58.526	28	2		208.184
Emissions avoided by energy efficiency projects	tCO2e	7.778	965	744	185	995	-	1.105	112	131		12.015

Other Hispam includes Fisatel y Pangeaco.

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Directed actions		Telefónica Alemania	Telefónica España	Telefónica Brasil	Telefónica Hispania	Telefónica Infra	Telefónica TECH	Otras sociedades	TOTAL
Emissions avoided by energy efficiency projects	tCO2e	4.696	13.803	3.131	12.015	-	-	55	33.700
• Lightning	tCO2e	-	228	56	669	-	-	4	957
• Power Saving Features	tCO2e	4.384	118	406	46	-	-	-	4.954
• Cooling	tCO2e	311	3.132	37	1.421	-	-	51	4.952
• Power	tCO2e	-	-	-	390	-	-	-	390
• Network transformation	tCO2e	-	9.996	2.632	9.463	-	-	-	22.091
• Others	tCO2e	-	329	-	26	-	-	-	355

Telefónica Spain includes, among other companies, the Operating Business and Bluevia.

Telefónica HISPAM includes, among other companies, the operating businesses in each country (Argentina, Chile, Colombia, Ecuador, Mexico, Peru, Uruguay and Venezuela). It also includes the associated company Grupo Telecomunicaciones Alta Capacidad (Mexico).

Telefónica Infra includes, among other companies, Telxius Cable.

Telefónica TECH includes, among other companies, ACENS and Telefónica Tech UK.

Other companies includes the units, among other companies, Telefónica S.A.

Directed actions		TEF AR	TEF CH	TEF CO	TEF EC	TEF MX	ALTA CAPACIDAD	TEF PE	TEF UY	TEF VE	TEF Hispania
Emissions avoided by energy efficiency projects	tCO2e	7.778	965	744	185	995	-	1.105	112	131	12.015
• Lightning	tCO2e	669	-	-	-	-	-	-	-	-	669
• Power Saving Features	tCO2e	-	-	-	28	-	-	0	-	18	46
• Cooling	tCO2e	1.037	306	60	18	-	-	-	-	-	1.421
• Power	tCO2e	390	-	-	-	-	-	-	-	-	390
• Network transformation	tCO2e	5.656	659	684	140	995	-	1.104	112	113	9.463
• Others	tCO2e	26	-	-	-	-	-	-	-	-	26

Emission Offsets		Telefónica Alemania	Telefónica España	Telefónica Brasil	Telefónica S.A.	TOTAL
Total amount of carbon credits cancelled	tCO2e	4.901	5.104	26.350	1.300	37.655
• Carbon credits of reduction projects	tCO2e	0	4.848	20.572	0	25.420
◦ Percentage of reduction projects	%	0	95	78,1	0	67,5
• Carbon credits of removals projects	tCO2e	4.901	256	5.778	1.300	12.235
◦ Percentage of removal projects	%	100	5	21,9	100	32,5
• Percentage for recognised quality standard						
◦ Percentage for recognised quality standard Verra Registry	%	100	95	100	84,6	98,8
◦ Percentage for recognised quality standard Spanish OECC Registry	%	0	5	0	15,4	1,2
◦ Percentage issued from projects in European Union	%	0	5	0	15,4	1,2

Telefónica SA includes TGIES

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Energy Data Year: 2024	Unidad	Telefónica Alemania	Telefónica España	Telefónica Brasil	Telefónica Hispania	Telefónica Infra	Telefónica TECH	Otras sociedades	TOTAL
Total energy consumption related to own operations	MWh	861.537	1.387.344	1.938.672	1.779.940	28.211	17.160	46.512	6.059.374
• Consumo total de electricidad + Autogeneración de energía renovable	MWh	836.124	1.353.178	1.864.700	1.648.637	27.246	16.296	37.575	5.783.755
○ Consumption at base stations	MWh	721.560	559.640	883.492	786.463	-	-	-	2.951.154
○ Consumption in Central Stations (Fixed Switch Sites)	MWh	21.704	631.674	722.166	549.101	-	-	-	1.924.644
○ Consumption in Mobile Telephone Switching Offices (MTSOS)	MWh	40.777	-	122.188	114.440	-	-	-	277.405
○ Consumption in Data Centers	MWh	35.828	122.375	65.861	121.631	136	15.583		361.413
○ Consumption in Others (Offices, Call Centers, Shops, Landing Stations, Pops and OIAs)	MWh	15.776	36.995	70.693	72.865	26.401	713	37.575	261.018
○ Consumption in electric vehicles	MWh	403	2	301	38	-	-	-	744
○ Consumption of self-generated non-fuel renewable energy	MWh	76	2.493	-	4.099	709	-	-	7.377
• Fuel consumption + District heating	MWh	25.412	34.166	73.972	131.303	965	864	8.938	275.619
○ Operations fuel consumption	MWh	3.199	25.610	13.108	78.011	811	25	6.046	126.810
○ Fleet fuel consumption	MWh	16.913	8.556	60.864	53.292	154	839	1.564	142.181
○ District heating consumption	MWh	5.301	-	-	-	-	-	1.327	6.628
Electricity consumption from renewable sources including self-generation	MWh	836.124	1.353.178	1.864.700	1.012.517	26.729	13.240	37.575	5.144.063
% of renewable electricity consumption in own facilities	%	100	100	100	66	99	81	100	89

Telefónica Spain includes, among other companies, the Operating Business and Bluevia.

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Other companies includes the units, among other companies, Telefónica S.A.

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Energy Data Year: 2024	Unidad	TEF AR	TEF CH	TEF CO	TEF EC	TEF MX	ALTA CAPACIDAD	TEF PE	TEF UY	TEF VE	TEF Hispam
Total energy consumption related to own operations	MWh	452.433	287.238	284.394	73.936	80.198	9.377	283.077	27.252	282.034	1.779.940
• Consumo total de electricidad + Autogeneración de energía renovable	MWh	406.178	263.719	273.649	64.773	77.474	7.787	273.899	25.880	255.279	1.648.637
○ Consumption at base stations	MWh	130.808	106.348	118.453	51.905	15.025	-	125.457	18.165	220.302	786.463
○ Consumption in Central Stations (Fixed Switch Sites)	MWh	227.072	119.965	99.923	-	-	-	102.141	-	-	549.101
○ Consumption in Mobile Telephone Switching Offices (MTSOS)	MWh	4.414	7.670	22.654	6.133	23.891	-	16.830	6.569	26.279	114.440
○ Consumption in Data Centers	MWh	39.152	18.647	17.764	5.567	24.513	-	15.989	-	-	121.631
○ Consumption in Others (Offices, Call Centers, Shops, Landing Stations, Pops and OIas)	MWh	4.657	11.026	12.954	1.141	14.045	7.787	12.033	535	8.688	72.865
○ Consumption in electric vehicles	MWh	-	-	-	-	-	-	-	38	-	38
○ Consumption of self-generated non-fuel renewable energy	MWh	76	64	1.901	27	-	-	1.449	572	10	4.099
• Fuel consumption + District heating	MWh	46.256	23.519	10.745	9.163	2.725	1.590	9.178	1.371	26.755	131.303
○ Operations fuel consumption	MWh	14.397	12.325	9.349	8.632	881	357	6.534	224	25.311	78.011
○ Fleet fuel consumption	MWh	31.858	11.194	1.397	531	1.843	1.233	2.644	1.147	1.444	53.292
○ District heating consumption	MWh	-	-	-	-	-	-	-	-	-	-
Electricity consumption from renewable sources including self-generation	MWh	189.378	263.719	233.771	41.990	9.178	-	273.899	572	10	1.012.517
% of renewable electricity consumption in own facilities	%	60	100	93	68	17	-	100	2	0	66

Directed actions	Unidad	Telefónica Alemania	Telefónica España	Telefónica Brasil	Telefónica Hispam	Telefónica Infra	Telefónica TECH	Otras sociedades	TOTAL
Energy Saved by energy efficiency projects (MWh)	MWh	12.358	112.800	68.059	48.052	-	-	452	241.721
• Lightning	MWh	-	1.867	1.214	2.146	-	-	32	5.259
• Power Saving Features	MWh	11.538	966	8.823	278	-	-	-	21.606
• Cooling	MWh	820	25.592	813	5.484	-	-	419	33.128
• Power	MWh	-	-	-	1.250	-	-	-	1.250
• Network transformation	MWh	-	81.689	57.209	38.810	-	-	-	177.708
• Others	MWh	-	2.686	-	84	-	-	-	2.770

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Directed actions	Unidad	TEF AR	TEF CH	TEF CO	TEF EC	TEF MX	ALTA CAPACIDAD	TEF PE	TEF UY	TEF VE	TEF Hispam
Energy Saved by energy efficiency projects (MWh)	MWh	24.946	4.777	6.638	1.097	2.272	-	5.171	2.319	833	48.052
• Lightining	MWh	2.146	-	-	-	-	-	-	-	-	2.146
• Power Saving Features	MWh	-	-	-	164	-	-	2	-	113	278
• Cooling	MWh	3.326	1.515	536	107	-	-	-	-	-	5.484
• Power	MWh	1.250	-	-	-	-	-	-	-	-	1.250
• Network transformation	MWh	18.140	3.261	6.103	827	2.272	-	5.169	2.319	720	38.810
• Others	MWh	84	-	-	-	-	-	-	-	-	84

AENOR

Energy Data Year: 2024	Unidad	Telefónica Alemania	Telefónica España	Telefónica Brasil	Telefónica Hispan	Telefónica Infra	Telefónica TECH	Otras sociedades	TOTAL
Total energy consumption related to own operations	MWh	861.537	1.387.344	1.938.672	1.779.940	28.211	17.160	46.512	6.059.374
• Total energy consumption from fossil sources	MWh	25.412	34.166	13.559	763.505	1.451	3.920	8.938	850.950
○ Consumption of purchased or acquired electricity, heat, steam, or cooling from fossil sources	MWh	5.301	0	0	636.120	517	3.056	1.327	646.321
▪ Consumption of purchased or acquired electricity from fossil sources	MWh	-	0	0	636.120	517	3.056	0	639.693
▪ Consumption of purchased or acquired heat, steam, or cooling from fossil sources	MWh	5.301	-	-	-	-	-	1.327	6.628
○ Consumption of fuel (excluding feedstock) MWh from non-renewable sources	MWh	20.111	34.166	13.559	127.385	934	864	7.610	204.629
• Total energy consumption from renewable sources	MWh	836.124	1.353.178	1.925.112	1.016.435	26.760	13.240	37.575	5.208.424
○ Fuel consumption from renewable sources	MWh	-	-	60.413	3.918	31	-	-	64.361
○ Consumption of purchased or acquired electricity, heat, steam, and cooling from renewable sources	MWh	836.049	1.350.685	1.864.700	1.008.418	26.020	13.240	37.575	5.136.685
▪ Consumption of purchased or acquired electricity MWh from renewable sources	MWh	836.049	1.350.685	1.864.700	1.008.418	26.020	13.240	37.575	5.136.685
▪ Consumption of purchased or acquired heat, steam, and cooling from renewable sources	MWh	-	-	-	-	-	-	-	-
○ Consumption of self-generated non-fuel renewable energy	MWh	76	2.493	-	4.099	709	-	-	7.377
Percentage of fossil sources in total energy consumption	%	3	2	1	43	5	23	19	14
Percentage of renewable sources in total energy consumption	%	97	98	99	57	95	77	81	86

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AENOR

Energy Data Year: 2024	Unidad	TEF AR	TEF CH	TEF CO	TEF EC	TEF MX	ALTA CAPACIDAD	TEF PE	TEF UY	TEF VE	TEF Hispan
Total energy consumption related to own operations	MWh	452.433	287.238	284.394	73.936	80.198	9.377	283.077	27.252	282.034	1.779.940
• Total energy consumption from fossil sources	MWh	260.572	23.519	49.685	31.946	71.020	9.377	8.738	26.623	282.024	763.505
○ Consumption of purchased or acquired electricity, heat, steam, or cooling from fossil sources	MWh	216.800	-	39.878	22.783	68.296	7.787	0	25.308	255.269	636.120
▪ Consumption of purchased or acquired electricity from fossil sources	MWh	216.800	-	39.878	22.783	68.296	7.787	-	25.308	255.269	636.120
▪ Consumption of purchased or acquired heat, steam, or cooling from fossil sources	MWh	-	-	-	-	-	-	-	-	-	-
○ Consumption of fuel (excluding feedstock) MWh from non-renewable sources	MWh	43.772	23.519	9.807	9.163	2.725	1.590	8.738	1.315	26.755	127.385
• Total energy consumption from renewable sources	MWh	191.861	263.719	234.709	41.990	9.178	-	274.339	629	10	1.016.435
○ Fuel consumption from renewable sources	MWh	2.483	-	938	-	-	-	440	57	-	3.918
○ Consumption of purchased or acquired electricity, heat, steam, and cooling from renewable sources	MWh	189.302	263.655	231.870	41.963	9.178	-	272.450	0	-	1.008.418
▪ Consumption of purchased or acquired electricity MWh from renewable sources	MWh	189.302	263.655	231.870	41.963	9.178	-	272.450	0	-	1.008.418
▪ Consumption of purchased or acquired heat, steam, and cooling from renewable sources	MWh	-	-	-	-	-	-	-	-	-	-
○ Consumption of self-generated non-fuel renewable energy	MWh	76	64	1.901	27	-	-	1.449	572	10	4.099
Percentage of fossil sources in total energy consumption	%	58	8	17	43	89	100	3	98	100	43
Percentage of renewable sources in total energy consumption	%	42	92	83	57	11	-	97	2	0	57

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Contractual instruments		Telefónica Alemania	Telefónica España	Telefónica Brasil	Telefónica Hispan	Telefónica Infra	Telefónica TECH	Otras sociedades	TOTAL
Total Contractual instruments used for purchase of bundled and unbundled energy attribute claims	%	100,00	100,00	100,00	61,43	100,00	100,00	81,25	90,13
• Percentage of Contractual instruments used for purchase of energy bundled with attributes about energy generation (%) in third-party facilities	%	2,22	68,68	54,01	15,04	22,59	100,00	100,00	42,07
○ Percentage of renewable energy consumption covered by PPAs	%	-	35,84	34,74	0,36	-	-	-	22,09
○ Percentage of renewable energy consumption covered by Certificate of Guarantee of Origin embedded in the purchase, EACs (bundled)		2,21	32,65	-	14,26	19,94	100,00	100,00	12,85
○ Percentage of Renewable Energy Purchase (WITHOUT warranty certificate) global		-	-	19,27	0,02	-	-	-	6,99
○ Percentage self-generation electricity	%	0,01	0,18	-	0,40	2,65	-	-	0,14
• Percentage of Contractual instruments used for purchase of unbundled energy attribute claims (%)	%	97,78	31,32	45,99	84,96	77,41	-	-	57,93
○ Purchase of Renewable Guarantee of Origin Certificates	%	97,78	31,32	45,99	84,96	77,41	-	-	57,93

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Contractual instruments		TEF AR	TEF CH	TEF CO	TEF EC	TEF MX	ALTA CAPACIDAD	TEF PE	TEF UY	TEF VE	TEF Hispan
Total Contractual instruments used for purchase of bundled and unbundled energy attribute claims	%	46,62	100,00	85,43	64,83	11,85	-	100,00	2,21	0,00	61,42
• Percentage of Contractual instruments used for purchase of energy bundled with attributes about energy generation (%) in third-party facilities	%	0,04	26,99	0,81	0,06	39,39		27,33	100,00	100,00	15,04
○ Percentage of renewable energy consumption covered by PPAs	%	-	-	-	-	39,39		-	-	-	0,36
○ Percentage of renewable energy consumption covered by Certificate of Guarantee of Origin embedded in the purchase, EACs (bundled)		-	26,90	-	-	-		26,80	-	-	14,26
○ Percentage of Renewable Energy Purchase (WITHOUT warranty certificate) global		-	0,07	-	-	-		-	-	-	0,02
○ Percentage self-generation electricity	%	0,04	0,02	0,81	0,06	-		0,53	100,00	100,00	0,40
• Percentage of Contractual instruments used for purchase of unbundled energy attribute claims (%)	%	99,96	73,01	99,19	99,94	60,61		72,67	-	-	84,96
○ Purchase of Renewable Guarantee of Origin Certificates	%	99,96	73,01	99,19	99,94	60,61		72,67	-	-	84,96

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In Madrid, date 2025-02-25



Rafael García Meiro

Consejero Delegado | CEO