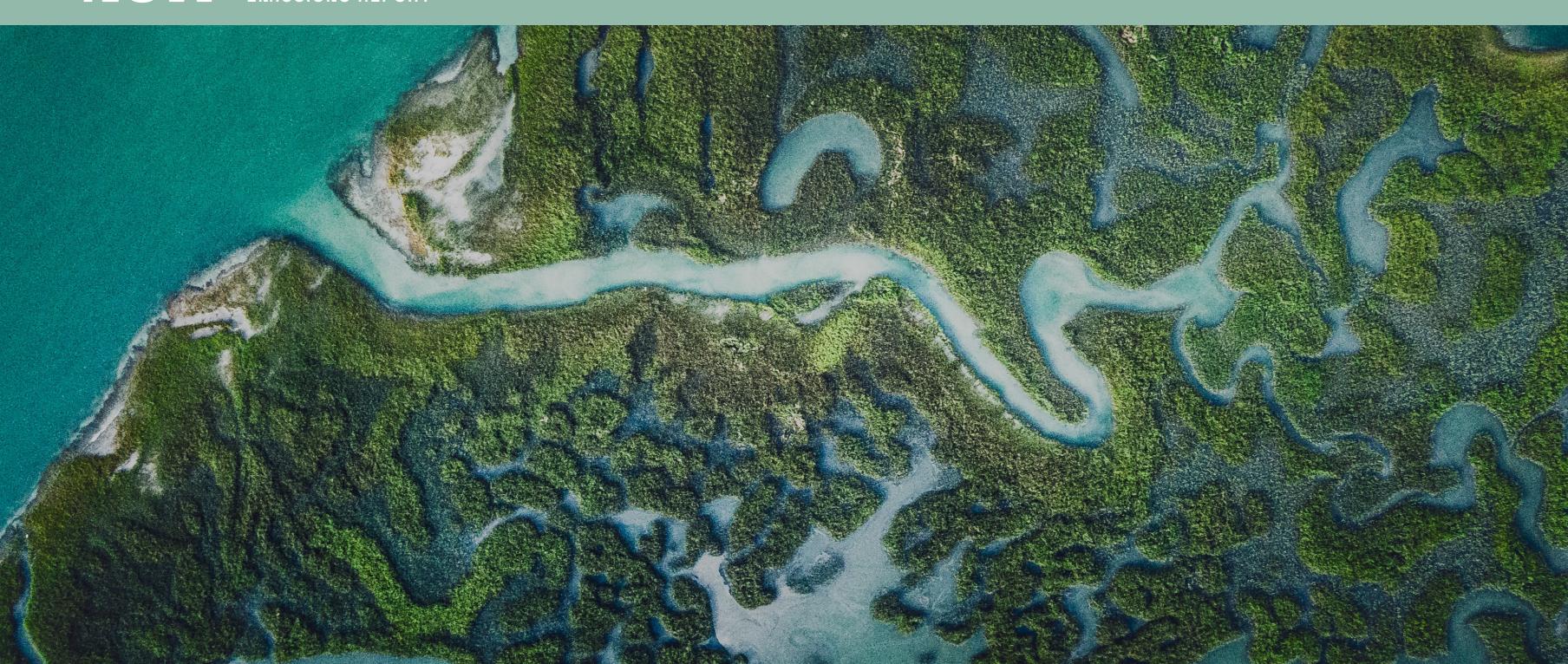
edp

CHANGING TONORROW NOW ENERGY CONSUMPTION AND ATMOSPHERIC EMISSIONS REPORT



This report

This document complements the EDP Group's Sustainability Report for the year 2021 with the information verified with a reasonable level of assurance that at the time of publication of the Report awaited the certification of the Annual Emission Reports under the European Union Emissions Trading System (EU ETS).

This addendum, which includes the Independent Assurance Report issued by the auditor PricewaterhouseCoopers & Associados - SROC, is in line with CDP's disclosure requirements:

- Boundaries of the reporting company covered by the assurance report and any known exclusions
- Emissions data verified broken down by Scope 1, Scope 2 (reported in this addendum and verified with a reasonable level of guarantee) with numbers presented and Scope 3 (reported in the Sustainability Report and verified with a limited guaranteed level)
- Period covered

- Verification standard used
- Assurance opinion (incl. level of assurance and any qualifications).

For the indicators in the following tables, the values now reported replace the previous.

Lisbon, May 17th, 2022

The Executive Board of Directors

Miguel Stilwell d'Andrade (President)

Miguel Nuno Simões Nunes Ferreira Setas

Rui Manuel Rodrigues Lopes Teixeira

Vera Pinto Pereira

Ana Paula Garrido de Pina Marques

Main indicators

ESG indicators

CLIMATE CHANGE	UN	2021	2020	2019	2018
EMISSIONS					
CO ₂ equivalent emissions					
Scope 1	ktCO₂eq	9 819	9 304	14 363	18 429
Stationary combustion	ktCO ₂ eq	9 794	9 273	14 338	18 404
SF ₆ Emissions	ktCO₂eq	11	17	9	10
Company fleet	ktCO ₂ eq	14	13	15	15
Natural gas consumption	ktCO ₂ eq	0	0	0	0
Scope 2 (location-based ¹) ³	ktCO₂eq	791	594	846	602
Electricity consumption in office buildings	ktCO ₂ eq	2	1	1	2
Electricity losses in distribution	ktCO ₂ eq	766	568	824	577
Renewable plants self-consumption	ktCO₂eq	23	25	21	23
Scope 2 (market-based²)³	ktCO₂eq	773	574	829	585
Electricity consumption in office buildings	ktCO ₂ eq	0	0	0	0
Electricity losses in distribution	ktCO₂eq	766	568	824	577
Renewable plants self-consumption	ktCO ₂ eq	7	6	5	8

¹Based on global emission factors of each geography. ²Based in the suppliers' emission factors. ³Calculation methodology of Scope 2 was revised to avoid emissions duplication with scope 1.

GRI indicators

Environmental indicators

2021	UN	GROUP	PORTUGAL	SPAIN	SOUTH AMERICA	NORTH AMERICA	REST OF EUROPE	APAC
TOTAL ENERGY CONSUMPTION	TJ	138 347	34 742	65 459	37 886	189	71	0
PRIMARY ENERGY CONSUMPTION	TJ	127 897	27 445	63 944	36 494	9	6	0
Coal	TJ	71 109	0	34 727	36 382	n.a.	n.a.	n.a.
Fuel oil	TJ	21	0	21	n.a.	n.a.	n.a.	n.a.
Natural gas	TJ	45 334	27 352	17 977	0	5	0	0
Blast furnace gas	TJ	10 891	n.a.	10 891	n.a.	n.a.	n.a.	n.a.
Coke gas	TJ	0	n.a.	0	n.a.	n.a.	n.a.	n.a.
Diesel oil	TJ	69	1	38	31	n.a.	n.a.	n.a.
Iron and steel industry gas	TJ	266	n.a.	266	n.a.	n.a.	n.a.	n.a.
Fuel for fleet	TJ	206	92	23	81	5	5	0
ELECTRICITY CONSUMPTION								
Generation self-consumption	MWh	2 869 800	2 002 784	418 907	381 551	48 392	18 164	0
Administrative service	MWh	32 975	24 111	1 978	5 136	1 626	125	0
Grid losses	%	8.2	8.2	4.7	10.0	n.a.	n.a.	n.a.
GHG EMISSION								
Direct emissions (scope 1)	$ktCO_{2eq}$	9 819	1 532	4 265	4 022	1	0	0
Stationary combustion ¹	$ktCO_{2eq}$	9 794	1 519	4 262	4 013	0	0	0
SF ₆ Emissions	$ktCO_{2eq}$	11	5.64	1.24	3.90	0.00	0.00	0.00
Company fleet	$ktCO_{2eq}$	14	7	2	5	0	0	0
Natural gas consumption	$ktCO_{2eq}$	0	0.00	0.00	0.00	0.22	0.01	0.00
Indirect emissions (scope 2) ²	$ktCO_{2eq}$	791	527	11	228	18	7	0
Electricity consumption in office buildings	$ktCO_{2eq}$	1.5	0.0	0.0	0.0	1.5	0.0	0.0
Electricity losses	$ktCO_{2eq}$	766	527	11	228	0	0	0
Renewable plants self-consumption	$ktCO_{2eq}$	23.3	0.0	0.0	0.0	16.6	6.7	0.0
TOTAL EMISSIONS								
CO ₂ ¹³	kt	9 794	1 519	4 262	4 013	n.a.	n.a.	n.a.
NO _x	kt	8.9	0.6	3.7	4.7	n.a.	n.a.	n.a.
SO ₂	kt	12.1	0.0	1.6	10.5	n.a.	n.a.	n.a.
Particulate matter	kt	1.26	0.01	0.15	1.10	n.a.	n.a.	n.a.
Mercury	kg	42	0	42	0	n.a.	n.a.	n.a.
SF ₆	kg	459	240	53	166	0	0	0

¹The stationary emissions do not include those produced by the burning of ArcelorMittal steel gases in EDP's power plants in Spain. ²Calculation according with GHG Protocol based location methodology. ³ Includes only stationary combustion emissions.



Independent Reasonable Assurance Report

(Free translation from the original in Portuguese. In the event of discrepancies, the Portuguese language version prevails)

To the Executive Board of Directors of EDP – Energias de Portugal, S.A.

Introduction

We were engaged by the Executive Board of Directors of EDP - Energias de Portugal, S.A. ("EDP" or "Company") to perform a reasonable assurance engagement on the indicators identified below in section "Responsibilities of the auditor", which integrate the sustainability information included in the Energy Consumption and Atmospheric Emissions Report (Sustainability Report 2021 addendum) ("Report"), for the year ended 31 December 2021, prepared by the Company for the purpose of communicating its annual sustainability performance.

Responsibilities of the Executive Board of Directors

It is the responsibility of the Executive Board of Directors to prepare the indicators identified below in section "Responsibilities of the auditor", included in the Sustainability Report 2021, in accordance with the sustainability reporting guidelines "Global Reporting Initiative", GRI Standards and Electric Utilities Supplement, and with the instructions, limits from the EDP Group (Annex I) and criteria disclosed in the Report, as well as to maintain an appropriate internal control system that enables the adequate preparation of the mentioned information.

Responsibilities of the auditor

Our responsibility is to issue a reasonable assurance report, which is professional and independent, based on the procedures performed and specified in the paragraphs below.

Our work was conducted in accordance with International Standard on Assurance Engagements (ISAE) 3000 (Revised) "Assurance engagements other than audits or reviews of historical financial information", issued by the International Auditing and Assurance Standards Board of the International Federation of Accountants and we have fulfilled all technical standards and recommendations issued by the Institute of Statutory Auditors. These standards require that we plan and perform our work to obtain reasonable assurance about the following sustainability indicators:

302-1 (Energy consumption within the organization)

305-1 (Direct (Scope 1) GHG emissions)

305-2 (Energy indirect (Scope 2) GHG emissions)

305-7 (Nitrogen oxides (NOx), sulphur oxides (SOx), and other significant air emissions)

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Inscrita na lista das Sociedades de Revisores Oficiais de Contas sob o nº 193 e na CMVM sob o nº 20161485

PricewaterhouseCoopers & Associados - Sociedade de Revisores Oficiais de Contas, Lida, pertence à rede de entidades que são membros da PricewaterhouseCoopers International Limited, cada uma des que são membros da PricewaterhouseCoopers International Limited,

prepared in accordance with the requirements of the GRI Standards guidelines and with the instructions and criteria disclosed in the Report and which are presented in Annex I and included in the "GRI Table" of the addendum to the Report as "External Assurance – Reasonable", are free from material misstatement relevant.

For this purpose, the above mentioned work includes:

- Inquiries to management and senior officials responsible for areas under analysis, with the purpose of understanding how the information system is structured and their awareness of issues included in the report:
- ii) Identification of the existence of internal management procedures leading to the implementation of economic, environmental and social policies;
- Testing, on a sampling basis, the efficiency of processes and systems in place for collection, consolidation, validation and reporting of the performance information previously mentioned, through calculations and validation of reported data;
- iv) Confirmation that operational units follow the instructions on collection, consolidation, validation and reporting of performance information;
- Execution of substantive procedures, on a sampling basis, in order to collect evidence of the reported information;
- vi) Conducting substantive testes, including analytical review tests;
- vii) Verification that the sustainability information presented in Annex I and included in the Report complies with the requirements of the GRI Standards guidelines and with the reporting criteria defined by the Company, disclosed in the Report.
- viii) Review the results of the calculation of sustainability indicators presented in Annex I.

We believe that the procedures performed provide an acceptable basis for our conclusion.

Quality control and independence

We apply the International Standard on Quality Control 1 (ISQC1) and, accordingly, maintain a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

We have complied with the independence and other ethical requirements of the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants (IESBA) and of the ethics code of the Institute of Statutory Auditors.

Independent Reasonable Assurance Report 31 December 2021

EDP - Energias de Portugal, S.A. PwC 2 of 5

Conclusion

Based on the work performed, it is our belief that the indicators identified above in the "Responsibilities of the auditor" section, presented in Annex I and included in the Report for the year ended December 31, 2021, have been prepared in all material respects, in accordance with the requirements of the GRI Standards guidelines and with the instructions and criteria disclosed in the Report.

Restriction on use

This report is issued solely for information and use of the Executive Board of Directors of the Company for the purpose of communicating its annual sustainability performance in the Sustainability Report 2021 and should not be used for any other purpose. We will not assume any responsibility to third parties other than EDP by our work and the conclusions expressed in this report, which will be attached to the Energy Consumption and Atmospheric Emissions Report (Sustainability Report 2021 addendum) of the Company.

May 17, 2022

PricewaterhouseCoopers & Associados - Sociedade de Revisores Oficiais de Contas, Lda. represented by:

Signed on the original

João Rui Fernandes Ramos, ROC no. 1333 Registered with the Portuguese Securities Market Commission under no. 20160943

Annex I Environmental Indicators

		GROUP	PORTUGAL	SPAIN	SOUTH	NORTH	REST OF	APAC
					AMERICA	AMERICA	EUROPE	
TOTAL ENERGY CONSUMPTION	TJ	138 347	34 742	65 459	37 886	189	71	0
PRIMARY ENERGY CONSUMPTION	TJ	127 897	27 445	63 944	36 494	9	6	0
Coal	TJ	71 109	0	34 727	36 382	n.a.	n.a.	n.a.
Fuel oil	TJ	21	0	21	n.a.	n.a.	n.a.	n.a.
Natural gas	TJ	45 334	27 352	17 977	0	5	0	0
Blast furnace gas	TJ	10 891	n.a.	10 891	n.a.	n.a.	n.a.	n.a.
Coke gas	TJ	0	n.a.	0	n.a.	n.a.	n.a.	n.a.
Diesel	TJ	69	1	38	31	n.a.	n.a.	n.a.
Steel gas	TJ	266	n.a.	266	n.a.	n.a.	n.a.	n.a.
Fleet gas	TJ	206	92	23	81	5	5	0
ELETRICITY CONSUMPTION								
Own consumption of production	MWh	2 869 800	2 002 784	418 907	381 551	48 392	18 164	0
Administrative services	MWh	32 975	24 111	1 978	5 136	1 626	125	0
Network losses	%	8.2	8.2	4.7	10.0	n.a.	n.a.	n.a.
GHG EMISSIONS								
Direct emissions (scope 1)	ktCO _{2eq}	9 819	1 532	4 265	4 022	1	0	0
Stationary combustion ¹	ktCO _{2eq}	9 794	1 519	4 262	4 013	0	0	0
SF ₆ emissions	ktCO _{2eq}	11	5.64	1.24	3.90	0.00	0.00	0.00
Car fleet	ktCO _{2eq}	14	7	2	5	0	0	0
Natural gas consumption	ktCO _{2eq}	0	0.00	0.00	0.00	0.22	0.01	0.00
Indirect emissions (scope 2) ²	ktCO _{2eq}	791	527	11	228	18	7	0
Electricity consumption in administrative buildings	ktCO _{2eq}	1.5	0.0	0.0	0.0	1.5	0.0	0.0
Electricity losses in distribution	ktCO _{2eq}	766.0	527	11	228	0	0	0
Self-consumption renewable plants	ktCO _{2eq}	23.3	0.0	0.0	0.0	16.6	6.7	0.0
TOTAL ATMOSPHERIC EMISSIONS								
CO ₂ 13	kt	9 794	1 519	4 262	4 013	n.a.	n.a.	n.a.
NO _x	kt	8.9	0.6	3.7	4.7	n.a.	n.a.	n.a.
SO ₂	kt	12.1	0.0	1.6	10.5	n.a.	n.a.	n.a.
Particles	kt	1.26	0.01	0.15	1.10	n.a.	n.a.	n.a.
Mercury	kg	42	0	42	0	n.a.	n.a.	n.a.
SF ₆	kg	459	240	53	166	0	0	0

¹ Stationary emissions do not include those resulting from burning of ArcelorMittal's steel gases at EDP's plants in Spain. ² Calculation according to the "location based" methodology of the GHG Protocol. ³ Includes stationary combustion emissions only.

Organizational boundaries:

The consolidation of CO_2 eq emissions calculation has used the operational control approach. The inventory applies to activities arising from operations in the EDP Group - Energias de Portugal, S.A. and its subsidiaries:

- EDP Brasil
- EDP Distribuição
- EDP Espanha
- EDP Gás
- EDP Portugal
- EDP Produção
- EDP Renováveis Europa
- EDP Renováveis Norte América
- EDP Renováveis Sul América
- EDP Valor
- EDPR EUA
- HC Distribucion
- Naturgás

Operational boundaries:

The following fields were considered:

- Direct emissions (scope 1): emissions resulting from sources owned or controlled by the organization:
 - Mobile combustion: emissions from fuel consumption of the car fleet (internal combustion engines).
 - Stationary combustion: emissions from fuel combustion in thermoelectric plants and administrative buildings.
 - Fugitive emissions: SF₆ leaks in production and distribution and refrigerant gases from air conditioning systems.
- Indirect emissions (scope 2): Indirect emissions arising from the production of electricity, steam or heat/cold consumed, acquired or purchased by the organization:
 - o Losses in the transmission and distribution network, in the part not produced by EDP.
 - Consumption of electricity in administrative buildings, provided that it is supplied by third parties
 - Self-consumption of electricity in renewable energy plants, provided that it is supplied by third parties

