Greenhouse Gas Emissions Inventory Report

Greenhouse Gas Protocol

Organizational Level

PPF Group

TEL_O2CR

Y-2023

EnviTrail

1 General Information

This report contains the carbon footprint of for the following organization:

Reporting organization	PPF Group
Contact details	Lukas Ferkl
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	Sustainability expert, Envitrail
Reporting period covered	Y-2023: 01/01/2023 to 31/12/2023

The purpose of this report is to disseminate the inventory of greenhouse gas emission with respect to consistency, comparability and completeness in the accounting procedures.

This report is intended for all stakeholders interested in the greenhouse gas emissions inventory and the associated reporting structure and explanations. All recipients are considered intended users.

This report:

- Covers the footprint of the sub-unit: TEL_O2CR.
- Has been prepared in accordance with the requirements of the Greenhouse Gas Protocol reporting standards (Corporate Accounting and Reporting Standard, 2004; Corporate Value Chain Accounting and Reporting Standard, 2011).
- Endeavours to use primary data wherever possible but especially surrounding all major emissions sources. Where primary data is not available, a consistent and conservative approach to calculation is applied.
- Excludes specific targets as well as reports on greenhouse gas removals.

The reporting period covered in this document is 01/01/2023 to 31/12/2023. Next iteration of this footprint is expected to be of the same length, starting from the first day following this reporting period. Any deviation from this will be mentioned in communication at the time of publication.

Additional details on the activities of PPF Group can be found on the company website.
More details on the applied reporting framework can be found in Appendix II.

2 Organizational Boundaries

The organizational boundaries were drawn using the consolidation based on operational control approach. This approach considers all emissions that the organization has operational control over, but not necessarily financial control.

The organizational structure of the reporting organization is listed below:

- PPF Group
  - Mobility
    - SKT_BAMT
    - SKT_GAN
    - RP_PES
    - SKT_POLL
    - SKT_SKTD
    - PPF_SKOCZ
    - SKT_SKCS
    - SKT_DIG
    - SKT_EKOVA
    - SKT_SKE
    - SKT_SKGAT
    - SKT_SKICT
    - SKT_SKI
    - SKT_PN
    - SKT_SKPOL
    - PPF_SKT
    - SKT_SKTIT
    - SKT_STU
    - SKT_TRO
    - SKT_SKTVC
    - SKT_SKV
    - SKT_SIGCO
    - SKT_VUKV
  - Real Estate
    - RE_ARC
    - RE_AOG
    - RPA_AVOW
    - RE_CAPEL
    - RE_DERELI
    - RE_EUSE
    - RE_GOG
    - RE_HOFO
    - RE_JOHAN
    - RE_KATOB
    - AS_MSEALH
    - RE_MILHO
    - RE_MILTO
    - RE_MONHE
    - RE_MONCHY
    - RE_MURC
    - RE_WESTF
    - RE_PLAZA

    - RE_POMPE
    - RE_PPFG
    - RE_REUS
    - RE_READ
    - RE_PPFREA
    - RE_RCPROP
    - RPA_SIHO
    - MANS_SUNBO
    - SOUP_SUNB2
    - RE_TANA
- Telco
    - TEL_CETIN
    - TEL_CETBG
    - TEL_CETSE
    - TEL_CETHU
    - TEL_O2NW
    - TEL_O2CR
    - TEL_O2SK
    - TEL_YETBG
    - TEL_YETSE
    - TEL_YETHU
- Finhol
    - FHO_MOBI
    - FHO_PPFB
    - FHO_FINHOL
- Biotech
    - BIO_SOTUS
    - BIO_SOBICZ
    - BIO_SOBICH
    - PPF_SCTCEL
- Media
    - CME_BTV
    - CME_CMESCR
    - CME_MARK
    - CME_MOLD
    - CME_PROPL
    - CME_PROTV
    - CME_RTLHR
    - CME_NOVA
- PPF Other
    - PPF_PPFGNV
    - PPF_DYG
    - PPF_RACUS
    - PPF_RAC
    - PPF_RACPPL
    - PPF_BSAS
    - RP_AFAI
    - RP_LEPL
    - RP_PPFAR
    - PPF_CYMAN

- PPF_PPFAS
- RP_STONE
- PPF_PRIVMA
- PPF_ARIX
- PPF_ARCZ
- PPF_CHMEL
- PPF_LEPK
- RP_PLAN
- RPA_NAYHO

This report contains the footprint of the sub-unit: TEL_O2CR.

In calculating the individual packages consisting of entities and sub-entities that are part of the sectoral and overall consolidated packages, those emissions related to intercompany trade have been excluded to avoid double counting.

The chosen consolidation approach applies to all units and subunits.

3 Reporting Boundaries

In this report 21 different sources of carbon emissions are considered, grouped in 4 blocks:

1. **Direct**
    1. Stationary Combustion
    2. Mobile Combustion
    3. Process Emissions
    4. Fugitive Emissions
2. **Electricity**
    5. Electricity
    6. Steam, Heat, Cooling
3. **Upstream**
    7. Goods & Services
    8. Capital Goods
    9. Energy Supply
    10. Transport Upstream
    11. Waste
    12. Business Travel
    13. Commuting
    14. Leased Assets as Lessee
4. **Downstream**
    15. Transport Downstream
    16. Use of Product
    17. End-of-life of Product
    18. Processing of Product
    19. Leased Assets as Lessor
    20. Investments
    21. Franchises

See Appendix I for a description of all these sources.

This includes all relevant sources of greenhouse gas emissions. These were selected based on their relevance to the organizations operations and/or their relative size in the total footprint.

Excluded emission categories are specified at the sector level and their specification is part of the calculation methodologies compiled.

Criteria used for exclusion are among others and in no particular order:
- Estimated size of the emissions is too small
- Order of magnitude of the emission source is not significant
- The organization's influence on the emission source is too limited
- High difficulty in obtaining data for that emission source
- The organization has very limited influence on the source of emissions

More details on the applied reporting framework can be found in Appendix II.

4 Quantified GHG inventory

In the reporting period Y-2023 the total emissions for the reporting organization add up to 402,815 tCO_2e.

The greenhouse gas emissions are expressed as tonnes of CO_2-equivalent.

See Appendix II for the Methodologies for the Collection and Quantification of Data.
See Appendix III for the full table of the Quantified Greenhouse Gas Inventory.
See Appendix IV for the table of the Quantified Inventory for out-of-scope emissions.

I Reporting Boundaries with description

1. **Direct** - *Direct emissions from operations that are owned or controlled by the reporting company*
    1. Stationary Combustion - *Emissions resulting from combustion of fuels in stationary sources*
    2. Mobile Combustion - *Emissions resulting from the combustion of fuels in company owned/controlled mobile combustion sources*
    3. Process Emissions - *Emissions resulting from the release of greenhouse gasses in production processes*
    4. Fugitive Emissions - *Emissions resulting from the leakage of refrigerants or the direct release of greenhouse gasses*
2. **Electricity** - *Indirect emissions from the generation of purchased electricity, steam, heating, or cooling consumed by the reporting company*
    5. Electricity - *Emissions resulting from the generation of electricity, purchased by the company*
    6. Steam, Heat, Cooling - *Emissions resulting from the generation of steam, heating or cooling, purchased by the company*
3. **Upstream** - *Indirect emissions that occur in the value chain related to purchased goods & services*
    7. Goods & Services - *Embedded emissions in purchased goods and services*
    8. Capital Goods - *Embedded emissions in capital goods like buildings, cars, ICT and machinery*
    9. Energy Supply - *Embedded emissions in the purchase of fuels and energy in other activity categories*
    10. Transport Upstream - *Emissions related to the transport of goods upstream of the production process or any transport purchased by the company*
    11. Waste - *Emissions related to the disposal and processing of waste generated in operations*
    12. Business Travel - *Emissions related to transportation of employees for business-related activities*
    13. Commuting - *Emissions related to commutes of employees in vehicles not under control of the company*
    14. Leased Assets as Lessee - *Emissions related to the operation of assets leased by the reporting company*
4. **Downstream** - *Indirect emissions that occur in the value chain related to sold goods & services*
    15. Transport Downstream - *Emissions related to the transport of goods downstream of the production process not paid for by the company*
    16. Use of Product - *Emissions related to energy use of the product during its planned lifetime*
    17. End-of-life of Product - *Emissions related to the disposal of the sold product at the end of its planned lifetime*
    18. Processing of Product - *Emissions related to further processing of the sold product*
    19. Leased Assets as Lessor - *Emissions related to the operation of assets owned by the reporting company*
    20. Investments - *Emissions related to the operation of investments*
    21. Franchises - *Emissions related to the operation of franchises*

II Methodologies for the Collection and Quantification of Data

The emissions summary reflects the consolidation of emissions data according to the Greenhouse Gas Protocol reporting standards. These being the Corporate Accounting and Reporting Standard (2004) and the Corporate Value Chain Accounting and Reporting Standard (2011).

GHG classification structure

The reported GHG are aggregated into the following category groups at the organizational level

Scope 1 - Direct Emissions from operations
Scope 2 - Indirect emissions from the use of purchased electricity, steam, heating, and cooling
Scope 3 - Indirect emission in the value chain; further divided into upstream and downstream emissions

Each of these category groups are further subdivided into categories. The full list of these can be found in Appendix III.

Each of the above categories contains non-biogenic emissions, which are reported in the table in Appendix III. All biogenic anthropogenic emissions present in these categories are reported separately in Appendix IV.

Carbon offsets are not reported in this report nor have they been subtracted from the total.

Reported GHG and GWP

The following greenhouse gases are included in the analysis: carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), sulphur hexafluoride (SF_6), nitrogen trifluoride (NF_3), hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs).

Emissions from these greenhouse gases are expressed in CO_2-equivalent (CO_2e) based on their global warming potential over a time horizon of 100 years (GWP100). The Greenhouse Warming Potential (GWP) values are based on the Intergovernmental Panel on Climate Change (IPCC) Fourth, Fifth or Sixth Assessment Report (AR4, AR5 or AR6), in accordance with the methodological choices of the emission factor publishers used in this report.

The split of the GHG emissions inventory into the individual contributions of each GHG (group) can be found in Appendix III. Activities for which a further split in greenhouse gasses is not known, are reported under the CO_2e*-column.

The emission factors for aviation were extended to include the additional effects of radiative forcing through the emission of gases and aerosols and changing cloud abundance. For this a central estimate for a multiplier to the GWP100 figure is used. This estimate tries to reflect the additional effect based on the best available scientific evidence, while being consistent with UNFCCC reporting convention.
The total emissions in this report include electricity emissions using the market-based method. Travel emissions in this report include the effects of radiative forcing for aviation.

Approach to Emission Factors

For each activity the most relevant and localised emission factor possible has been selected, at the discretion of the reporter. Apart from locality and relevancy, other considerations were the availability

of emission factors and consistency in the selection of emission factor publications throughout the document.

A full list of emission factor publications used in this report can be found in the table below:

Publisher	Publication Version	Publication Date	URL
Exiobase	3.8.2	21/10/2021	link
UK.gov	v2020 1.0	28/05/2020	link
UK.gov	v2023 1.0	15/05/2023	link
ADEME Base Carbone	2022 v22.0	24/06/2022	link
Library of emission factors for general use in EnviTrail and other companies		None	link
UK.gov	v2021 3.0	22/10/2021	link
Association of Issuing Bodies	2022 v1.0	26/05/2023	link
Library of emission factors for specific use in PPF		None	link

Each emission factor used in the calculation has an assigned validity period overlapping or partially overlapping with the application period of the reported activity. The validity period of emission factors is determined by its publication document[1].

Approach to base year reporting

The reporting period Y-2023 is the first GHG reporting period of this magnitude for the PPF Group and is counted as the base year for the current and future reporting cycles. Therefore, there have been no methodological changes in reporting between the base year and this report.

Uncertainty Assessment

For this report a qualitative assessment of uncertainty has been applied. Seen that the effectiveness of a quantitative assessment would be limited due to a general lack of accurate uncertainty data.
The applicability of these quantitative assessments will be reviewed in each subsequent reporting period.

The emissions inventory provided in the consolidated statement carries some degree of uncertainty, which can be attributed to the following causes:
- Data sources: Uncertainty about the data collection methods of third-party sources
- Data sources: Uncertainty about the interpretations of data in third-party sources
- Data sources: Involvement of different parties and a large quantities of data
- Data input: Uncertainty about the input accuracy where large quantities of data are involved
- Data input: Uncertainty about the accuracy of boundaries application on the data
- Emission factors: Structural uncertainty in the methodology of emission factors
- Emission factors: Structural uncertainty in the data on which third-party emission factors is based

Review, Internal Audit and Improvement

This emission inventory for reporting period has been compiled with highest attention for completeness and correctness.

[1] In case the application period of the activity overlaps with the validity period of more than one emission factor, the median data of the activity period is used to determine which factor to use. (example if an activity stretches from August 2021 to July 2022, the median date is 29/01/2022)

III Consolidated Statement of GHG Emissions

	Emission Category	Scope	All GHG (tCO_2e)	CO_2 (tCO_2e)	CH_4 (tCO_2e)	N_2O (tCO_2e)	SF_6 (tCO_2e)	NF_3 (tCO_2e)	HFCs (tCO_2e)	PFCs (tCO_2e)	CO_2e* (tCO_2e)
1	Scope 1 - Direct Emissions from operations		1,843	1,815	<1	23	-	-	5	-	-
1.1	Stationary Combustion	Scope 1	124	124	<1	<1	-	-	-	-	-
1.2	Mobile Combustion	Scope 1	1,713	1,690	<1	22	-	-	-	-	-
1.3	Process Emissions	Scope 1	-	-	-	-	-	-	-	-	-
1.4	Fugitive Emissions	Scope 1	5	-	-	-	-	-	5	-	-
2	Scope 2 - Indirect Emissions from electricity consumption		13,395	13,386	7	3	-	-	-	-	-
2.1	Purchased electricity - market based	Scope 2	12,420	12,420	-	-	-	-	-	-	-
	- location based	Scope 2	13,845	13,845	-	-	-	-	-	-	-
2.2	Purchased steam, heat, cooling	Scope 2	975	965	7	3	-	-	-	-	-
3	Scope 3 - Indirect Emissions in the value chain - Upstream		349,957	89,570	18,863	2,249	786	0	4,694	261	233,535
3.1	Purchased goods and services	Scope 3	316,983	65,082	15,307	1,763	616	-	3,884	193	230,138
3.2	Capital goods	Scope 3	24,307	19,220	3,555	485	170	-	810	67	-
3.3	Fuel- and energy-related activities	Scope 3	5,648	5,019	<1	<1	-	-	-	-	628
3.4	Upstream transportation and distribution	Scope 3	128	-	-	-	-	-	-	-	128
3.5	Waste generated in operations	Scope 3	445	0	0	0	0	0	0	0	445
3.6	Business travel	Scope 3	302	249	<1	1	-	-	-	-	52
3.7	Employee commuting	Scope 3	2,145	-	-	-	-	-	-	-	2,145
3.8	Upstream leased assets (as lessee)	Scope 3	-	-	-	-	-	-	-	-	-
	Scope 3 - Indirect Emissions in the value chain - Downstream		37,619	34,595	241	34	10	-	63	2	2,673
3.9	Downstream transportation and distribution	Scope 3	407	343	48	6	2	-	9	<1	-
3.10	Processing of sold products	Scope 3	-	-	-	-	-	-	-	-	-
3.11	Use of sold products	Scope 3	34,975	33,213	-	-	-	-	-	-	1,761
3.12	End-of-life treatment of sold products	Scope 3	912	-	-	-	-	-	-	-	912
3.13	Downstream leased assets (as lessor)	Scope 3	36	36	-	-	-	-	-	-	-
3.14	Franchises	Scope 3	-	-	-	-	-	-	-	-	-
3.15	Investments	Scope 3	1,290	1,004	193	28	9	-	55	2	-
	Total GHG emissions		402,815								

* This column contains all entries for which a further split in greenhouse gasses is not known.

This table was constructed following the Greenhouse Gas Protocol reporting standards.

The total emissions in this report include electricity emissions using the market-based method.

Travel emissions in this report include the effects of radiative forcing for aviation.

IV Quantified Inventory for out-of-scope emissions

	Emission Category	Other (tCO_2e)	Biogenic CO_2 (tCO_2e)
1	Scope 1 - Direct Emissions from operations	-	96
1.1	Stationary Combustion	-	<1
1.2	Mobile Combustion	-	95
1.3	Process Emissions	-	-
1.4	Fugitive Emissions	-	-
2	Scope 2 - Indirect Emissions from electricity consumption	-	-
2.1	Purchased electricity - market based	-	-
	- location based	-	-
2.2	Purchased steam, heat, cooling	-	-
3	Scope 3 - Indirect Emissions in the value chain - Upstream	5	50
3.1	Purchased goods and services	4	49
3.2	Capital goods	1	1
3.3	Fuel- and energy-related activities	-	-
3.4	Upstream transportation and distribution	-	-
3.5	Waste generated in operations	0	0
3.6	Business travel	-	-
3.7	Employee commuting	-	-
3.8	Upstream leased assets (as lessee)	-	-
	Scope 3 - Indirect Emissions in the value chain - Downstream	<1	4
3.9	Downstream transportation and distribution	<1	<1
3.10	Processing of sold products	-	-
3.11	Use of sold products	-	-
3.12	End-of-life treatment of sold products	-	-
3.13	Downstream leased assets (as lessor)	-	-
3.14	Franchises	-	-
3.15	Investments	<1	4
	Total out-of-scope emissions	5	150

The total emissions in this report include electricity emissions using the market-based method.