

CLIMATE REPORT

CARBON ACCOUNTING

REPORT 2021

INTRODUCTION

This report provides an overview of the organisation's greenhouse gas (GHG) emissions. Carbon accounting is a fundamental tool in identifying tangible measures to reduce GHG emissions. The annual carbon accounting report enables the organisation to benchmark performance indicators and evaluate progress over time.

The input data is based on consumption data from internal and external sources, which is converted into tonnes of CO₂ equivalents (tCO₂e). The carbon footprint analysis is based on the international standard 'A Corporate Accounting and Reporting Standard', developed by the Greenhouse Gas Protocol Initiative (GHG Protocol). The GHG Protocol is the most widely used and recognised international standard for measuring greenhouse gas emissions and is the basis for the ISO standard 14064-I.

PWT Group wants to start measuring and accounting for its activities' environmental footprint to be able to take informed decisions on how to reduce its carbon footprint. By using Cemsys' climate reporting tool, the

Group ensures that the reporting is aligned with international principles.

For scope 1, estimates have been applied, as it was not possible to get data from the car leasing company. In terms of scope 2, the data includes headquarters, warehouse, showrooms and the Group's own stores. Franchise stores are not included, as they are largely independent from the Group.

For scope 3, upstream transportation and distribution, data has been provided by the transport supplier. Some shipments are missing in this report, as the production facilities are allowed to use local truck transportation. Well-to-wheel data has been used.

The intention for the coming years is to include more and more parameters as the data becomes available.

REPORTING YEAR ENERGY AND GHG EMISSIONS

Emission source	Description	Consumption	Unit	Energy (MWh)	Emissions tCO2e	% share
Transportation total				466.8	112.8	0.8 %
Diesel (B5)		38,939.0	liters	413.5	100.4	0.7 %
Petrol (E5)		5,593.0	liters	53.3	12.4	0.1 %
Scope 1 total				466.8	112.8	0.8 %
Electricity total				2,885.9	360.7	2.7 %
Electricity Denmark 125		2,885,891.0	kWh	2,885.9	360.7	2.7 %
Scope 2 total				2,885.9	360.7	2.7 %
Purchased goods and services total				-	12,363.4	92.1 %
Acrylic fabric (T1-4)		15,358.0	kg	-	162.6	1.2 %
Lyocell fabric (T1-4)		794.0	kg	-	11.0	0.1 %
Bamboo fabric (T1-4)		19,265.0	kg	-	270.9	2.0 %
Tencel fabric (T1-4)		454.0	kg	-	4.5	-
Modal fabric (T1-4)		308.0	kg	-	5.4	-
Nylon fabric (6) (T1-4)		6,285.0	kg	-	106.2	0.8 %
Cotton fabric, conventional (T1-4)		697,913.0	kg	-	6,483.6	48.3 %
Nylon fabric, recycled (T1-4)		6,767.0	kg	-	61.4	0.5 %
Cotton fabric, recycled (T1-4)		599.0	kg	-	4.6	-
Nylon/Polyamide (PA) fabric (T1-4)		32,929.0	kg	-	423.8	3.2 %
Leather, cow (T1-4)		5,131.0	kg	-	188.5	1.4 %
Polyester fabric (T1-4)		180,351.0	kg	-	1,899.1	14.1 %
Elastane/Spandex fabric (T1-4)		14,316.0	kg	-	153.3	1.1 %
Polyester fabric, recycled (T1-4)		26,196.0	kg	-	226.1	1.7 %
Leather, goat (T1-4)		1,471.0	kg	-	42.2	0.3 %
Polyurethane fabric (T1-4)		856.0	kg	-	8.2	0.1 %
Wool, fine (T1-4)		25,420	kg	-	1,028.7	7.7 %
Viscose/Rayon fabric (T 1-4)		53,005.0	kg	-	771.2	5.7 %
Wool, recycled (T1-4)		2,150.0	kg	-	16.7	0.1 %
Linen (flax) fabric (T1-4)		15,177.0	kg	-	284.4	2.1 %
Upstream transportation and distribution total				-	588.0	4.4 %
Sea Container Avg load		141.0	tCO2e	-	141	1.1 %
Air freight intercontinental		299.0	tCO2e	-	299	2.2 %
Rail freight		3.0	tCO2e	-	3	-
Truck avg.		145.0	tCO2e	-	145	1.1 %
Scope 3 total				-	12,951.4	96.5 %
Total				3,352.7	13,425.0	100.0 %
KJ				12,069,808,092.0		

REPORTING YEAR MARKET-BASED GHG EMISSIONS

Category	Unit	2021
Electricity market-based	tCO2e	1,090.9
Scope 2 market-based	tCO2e	1,090.9
Total market-based	tCO2e	14,155.1

ANNUAL GHG EMISSIONS

Category	Description	2019	2020	2021	% change from previous year
Transportation total		184.1	146.4	112.8	-22.9 %
Petrol (E5)		16.9	14.6	12.4	-14.9 %
Diesel (B5)		167.2	131.8	100.4	-23.8 %
Scope 1 total		184.1	146.4	112.8	-22.9 %
Electricity total		818.1	505.3	360.7	-28.6 %
Electricity Denmark 125		818.1	505.3	360.7	-28.6 %
Scope 2 total		818.1	505.3	360.7	-28.6 %

ANNUAL GHG EMISSIONS

Category	Description	2019	2020	2021	% change from previous year
Purchased goods and services total		16,138.4	11,761.6	12,363.4	5.1%
Acrylic fabric (T1-4)		263.6	116.4	162.6	39.8
Alpaca fabric (T1-4)		0.3	-	-	-
Bamboo fabric (T1-4)		269.2	440.8	270.9	-38.6 %
Cotton fabric, conventional (T1-4)		8,913.2	6,506.8	6,483.6	-0.4 %
Cotton fabric, organic (T1-4)		50.4	98.4	211.0	114.4 %
Polyester fabric (T1-4)		2,641.3	1,950.7	1,899.1	-2.6 %
Leather, cow (T1-4)		507.6	391.3	188.5	-51.8 %
Elastane/Spandex fabric (T1-4)		178.6	155.2	153.3	-1.2 %
Wool, fine (T1-4)		1,495.5	866.7	1,028.7	18.7 %
Linen (flax) fabric (T1-4)		192.1	275.2	284.4	3.4 %
Lyocell fabric (T1-4)		9.6	9.9	11.0	10.6 %
Modal fabric (T1-4)		20.1	5.4	5.4	-0.3 %
Nylon fabric (6) (T1-4)		410.4	48.0	106.2	121.1 %
Nylon/Polyamide (PA) fabric (T1-4)		190.2	246.5	423.8	71.9 %
Viscose/Rayon fabric (T1-4)		970.6	617.1	771.2	25.0 %
Polyester fabric, recycled (T1-4)		1.5	18.8	226.1	1,102.8 %
Silk fabric (T1-4)		22.3	-	-	-
Tencel fabric (T1-4)		1.8	4.4	4.5	1.1 %
Nylon fabric, recycled (T1-4)		-	7.5	61.4	715.3 %
Wool, recycled (T1-4)		-	2.3	16.7	616.7 %
Cotton fabric, recycled (T1-4)		-	-	4.6	100.0 %
Leather, goat (T1-4)		-	-	42.2	100.0 %
Polyurethane fabric (T1-4)		-	-	8.2	100.0 %
Upstream transportation and distribution total*		868.9	-	588.0	-32.3 %
Air Intercontinental freight		519.6	-	299.0	-42.5%
Sea Container Avg load		254.0	-	141.0	-44.5%
Truck avg.		88.6	-	145.0	63.7%
Rail freight		4.0	-	3.0	-25.0%
RoRo-ferry avg.		2.6	-	-	-
Scope 3 total		17,007.3	11,761.6	12,951.4	10.1 %
Total		18,009.5	12,413.2	13,425.0	8.2 %

*Data for upstream transportation and distribution for 2020 has not been available, hence the figures for 2020 is excluded in the totals.

ANNUAL MARKET-BASED GHG EMISSIONS

Category	Unit	2019	2020	2021
Electricity market-based	tCO2e	2,320.6	1,535.8	1,090.9
Scope 2 market-based	tCO2e	2,320.6	1,535.8	1,090.9
Total market-based	tCO2e	19,512.0	13,443.7	14,155.1
Percentage change		100.0 %	-31.1 %	5.3 %

METHODOLOGY AND SOURCES

The Greenhouse Gas Protocol initiative (GHG Protocol) was developed by the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). This analysis is performed according to A Corporate Accounting and Reporting Standard Revised edition, currently one of four GHG Protocol accounting standards on the calculation and reporting of GHG emissions. The reporting considers the following greenhouse gases, all converted into CO₂-equivalents: CO₂, CH₄ (methane), N₂O (laughing gas), SF₆, HFCs, PFCs and NF₃.

For corporate reporting, two distinct approaches can be taken to consolidate GHG emissions: the equity share approach and the control approach. The most common consolidation approach is the control approach, which can be defined in either financial or operational terms.

The carbon inventory is divided into three main scopes of direct and indirect emissions.

Scope 1 includes all direct emission sources. This includes all use of fossil fuels for stationary combustion or transportation, in owned and, depending on the consolidation approach selected, leased or rented assets. It also includes any process emissions, from for example chemical processes, industrial gases, direct methane emissions etc.

Scope 2 includes indirect emissions related to purchased energy: electricity and heating/cooling, where the organisation has operational control. The electricity emission factors used in Cemasy's are based on national gross electricity production mixes from the International Energy Agency's statistics (IEA Stat). Emission factors per fuel type are based on assumptions set out in the IEA methodological framework. Factors for district heating/cooling are either based on actual (local) production mixes, or average IEA statistics.

In January 2015, the GHG Protocol published new guidelines for calculating emissions from electricity consumption. Primarily two methods are used to 'allocate' the GHG emissions created by electricity generation to end consumers of a given grid. These are the location-based and the market-based methods. The location-based method reflects the average emission intensity of the grids on which energy consumption occurs, while the market-based method reflects emissions from electricity that companies have purposefully chosen (or not chosen).

Organisations who report on their GHG emissions will now have to disclose both the location-based emissions from the production of electricity, and the market-based emissions related to the potential purchase of Guarantees of Origin (GoOs) and Renewable Energy Certificates (RECs).

The purpose of this amendment in the reporting methodology is, on the one hand, to show the impact of energy efficiency measures and, on the other hand, to display how the acquisition of GoOs or RECs affects the GHG emissions. Using both methods in the emission reporting highlights the effect of all measures regarding electricity consumption.

The location-based method: The location-based method is based on statistical emissions information and electricity output aggregated and averaged within a defined geographic boundary and during a defined time period. Within this boundary, the different energy producers utilize a mix of energy resources, where the use of fossil fuels (coal, oil, and gas) result in direct GHG-emissions. These emissions are reflected in the location-based emission factor.

The market-based method: The choice of emission factors when using this method is determined by whether the business acquires GoOs/RECs or not. When selling GoOs or RECs, the supplier certifies that electricity is produced exclusively by renewable sources, which has an emission factor of 0 grams CO₂e per kWh.

However, for electricity without the GoO or REC, the emission factor is based on the remaining electricity production after all GoOs and RECs for renewable energy are sold. This is called a residual mix, which is normally substantially higher than the location-based

factor. As an example, the market-based Norwegian residual mix factor is approximately 7 times higher than the location-based Nordic mix factor. The reason for this high factor is Norway's large export of GoOs/RECs to foreign consumers. From a market perspective, this implies that Norwegian hydropower is largely substituted with an electricity mix including fossil fuels.

Scope 3 includes indirect emissions resulting from value chain activities. The scope 3 emissions are a result of the company's upstream and downstream activities, which are not controlled by the company, i.e. they are indirect. Examples are business travel, goods transportation, waste handling, consumption of products etc.

In general, the carbon accounting should include information that users, both internal and external to the company, need for their decision-making. An important aspect of relevance is the selection of an appropriate inventory boundary which reflects the substance and economic reality of the company's business relationships.