

Carbon Footprint 2022

The Dolder Grand



14.04.2023

This report summarizes the carbon footprint of The Dolder Grand for the year 2022. The carbon footprint is based on the internationally recognised standard 'The GHG Protocol: A Corporate Accounting and Reporting Standard' and includes the climate-relevant greenhouse gases that are under the 'operational control' of the hotel. The data for the calculations is taken from ecoinvent 3.6 and the IPCC 2013 (GWP 100a). The total greenhouse gas emissions amount to 2'951 t CO₂e (Tab. 1). A contribution to financing myclimate climate protection projects amounting to the total emissions of 2'951 t CO₂e has already been made.

	(t CO ₂ e)	%
Purchased Electricity	129.0	4%
Heating and Cooling	396.3	13%
Employee Commuting	406.9	14%
Business Travel	93.2	3%
Fuel Consumption	71.2	2%
Transport (3rd Parties)	0.0	0%
Food & Beverages	1'433.2	49%
Administration	24.9	1%
Toiletries and Detergents	60.4	2%
External Laundry Service	228.8	8%
Waste and Recycling	106.9	4%
Total	2'950.9	100%

Tab. 1: Greenhouse gas emissions divided into different categories

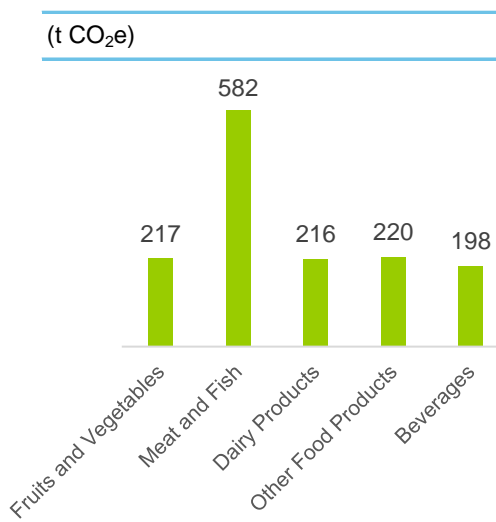


Fig.1: Emissions from Food and Beverages

The hotel operations themselves accounted for 2'453 t CO₂e in 2022. Further emissions occurred due to events which accounted for 497 t CO₂e. The following numbers illustrate the emissions per overnight stay, as well as per event and guest:

Greenhouse gas emissions per overnight stay: 39.6 kg CO ₂ e
Greenhouse gas emissions per event and guest: 11.6 kg CO ₂ e

Greenhouse gas emissions are assigned to the three scopes below. A distinction is made between where the emissions occurred - at the hotel itself or in upstream or downstream processes for manufacturing and transporting goods:

- Scope 1: Includes all direct emissions from owned or controlled sources, such as business travels in company cars or the combustion of fuels in heating systems.
- Scope 2: Includes all indirect emissions from the production of purchased energy consumed by the hotel.
- Scope 3: Includes all other indirect emissions resulting for example from purchasing food products.

Scope 1, 2 and 3 accounted for 12%, 0% and 88% of the total greenhouse gas emissions.

	(t CO ₂ e)	(%)
Scope 1	365	12.4%
Scope 2	0	0.0%
Scope 3	2'586	87.6%
Total	2'951	100%

Tab. 2: The three scopes according to the GHG Protocol

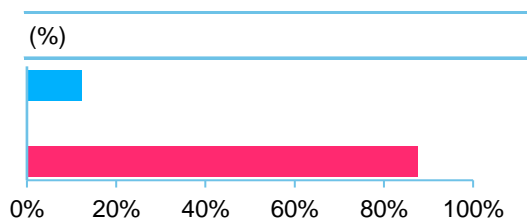


Fig. 2: Percentage per scope of total emissions