Sample GHG Inventory Report

Organisational Greenhouse Gas Inventory Report — CarbonTiers Platform

SECTOR
S1-S2 — Organisation inventory (extract)

REPORTING STANDARD
GHG Protocol Corporate Standard; IPCC 2006 Vol. 2 Ch. 2, Tier 1

GWP VERSION
AR6: CH_4 = 29.8, N_2O = 273

COUNTRY / ENTITY
Example Manufacturing Ltd. (fictional)

PREPARED BY
CarbonTiers sample

GENERATED
31 October 2026

UNITS
Gg CO_2eq unless otherwise stated

INVENTORY BOUNDARY

Illustrative extract: stationary combustion and purchased electricity at one fictional site. All activity data is invented. Not a complete inventory.

Summary

Category / Sub-Category	tCO_2e
Scope 1, stationary combustion	1,698.35
Scope 2, purchased electricity (location-based)	1,617.00
Total of this extract	**3,315.35**

Scope 1: stationary combustion by fuel

Manufacturing sector default factors. Biomass is not part of this example.

Code	Category / Sub-Category	Activity	Unit	CO_2 (t)	CH_4 (kg)	N_2O (kg)	tCO_2e
1A2	Natural gas	850,000.00	Sm³	1,573.60	28.05	2.80	1,575.21
1A2	Diesel / gas oil	42,000.00	litres	113.08	4.58	0.92	113.47
1A2	LPG	6,000.00	litres	9.67	0.15	0.02	9.68

Scope 2: purchased electricity

Category / Sub-Category	Activity (MWh)	Factor (tCO_2/MWh)	Factor year	tCO_2
Grid electricity, Germany	4,200.00	0.385	2022	1,617.00

Methodology: factors used

Every result in a CarbonTiers report discloses its method, tier and factor reference.

Code	Category / Sub-Category	NCV	CO_2 (kg/TJ)	CH_4 (kg/TJ)	N_2O (kg/TJ)	Source
F	Natural gas	33.00	56,100.00	1.00	0.10	IPCC 2006 default
F	Diesel / gas oil	43.00	74,100.00	3.00	0.60	IPCC 2006 default
F	LPG	47.30	63,100.00	1.00	0.10	IPCC 2006 default

* Grid factor: 0.385 tCO_2/MWh, 2022, UBA.
* NCV is in TJ/Gg for liquid fuels and TJ/10^6 m³ for natural gas.

CARBONTIERS · SAMPLE