GRIFFON

ILLUSTRATIVE SAMPLE

Food-Waste & Carbon Report

Reporting period: FY 2025 · generated from primary on-site measurement

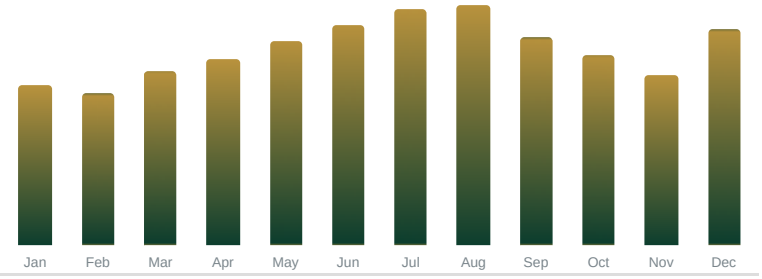
Site	Unit	Operation	Data source
Sample 4★ Hotel	Griffon GR-150	365 days / year	On-board scale (primary)

62.1 t
FOOD WASTE DIVERTED ON-SITE

182.7 t
CO_2e AVOIDED VS LANDFILL

0
COLLECTION TRIPS

Primary data — measured at the source



Each kilogram weighed automatically at the point of input by the unit's built-in scale. No manual entry, no hauler estimates.

Jan	4,200 kg
Feb	4,000 kg
Mar	4,600 kg
Apr	4,900 kg
May	5,400 kg
Jun	5,800 kg
Jul	6,200 kg
Aug	6,300 kg
Sep	5,500 kg
Oct	5,000 kg
Nov	4,500 kg
Dec	5,700 kg
Total FY 2025	**62,100 kg**

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Derived metrics & equivalences

87
CARS OFF THE ROAD / YEAR

11,005
TREE SEEDLINGS · 10 YEARS

1.33 t
PROCESSING FOOTPRINT (ELECTRICITY)

CO_2e avoided is calculated against landfill without gas capture using the 2,944 kg CO_2/t factor from the University of Zagreb (2022) study. The processing footprint (electricity, 21.40 kg CO_2/t) is reported separately and is not netted against the avoided figure. Car equivalence 2,100 kg CO_2/yr (EEA); tree seedlings 16.6 kg over 10 years (US EPA).

Reporting alignment

ESRS E1 · Climate

Avoided greenhouse-gas emissions from landfill diversion, backed by primary activity data (mass) and a published emission factor. Suitable as Scope 3 evidence for food-waste handling.

ESRS E5 · Circular economy

Food-waste mass diverted from landfill at source; resource-flow accounting per period. Demonstrates waste prevention and treatment in line with the EU food-waste reduction targets (Directive (EU) 2025/1892).

Methodology & sources

- **Primary data:** food-waste mass weighed automatically by the Griffon unit's built-in scale; logged daily, aggregated monthly and annually.
- **Avoided emissions:** mass × 2,944 kg CO_2/t (landfill without gas capture vs aerobic on-site treatment), University of Zagreb, Faculty of Geotechnical Engineering, 2022.
- **Processing footprint:** mass × 21.40 kg CO_2/t (device electricity), same study.
- **Framework:** GHG Protocol / ISO 14064-1 structure. This sample does not include wastewater-treatment emissions of the effluent, which the study notes require further research.
- **Donation first:** the report assumes non-donatable residual food waste; edible surplus should be donated before treatment.