

Waste and Recycling Tracker

How-to guide: what the workbook does, how to use it and what every number means.

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Waste and Recycling Tracker

Log every waste collection and see the diversion rate, tonnes by stream and route, hazardous waste and net cost after rebates.

For: EHS and environmental managers, plant and facility managers, and anyone running a zero-waste-to-landfill or recycling programme.

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Quick start

1. On Setup, type your plant name, currency, diversion target and whether energy recovery counts as diverted, then replace the example waste streams and routes.
2. On Waste Log, add one row per collection from the weighbridge ticket or hauler invoice: date, stream, route, weight and its unit, charge and any rebate.
3. Read the Check column: anything other than OK names the problem in words.
4. Open the Dashboard; use the From and To dates at the top to look at one month, a quarter or a year.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Plant, currency, diversion target and rule, report unit, and the waste stream and route lists.
Waste Log	One row per collection: weighbridge ticket, consignment note or invoice line.
Dashboard	Waste by stream and route, diversion rate, hazardous waste and net cost for the dates you choose.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
Weight (kg)	Weight x 1 (kg), 1000 (t), 0.45359237 (lb) or 907.18474 (US ton).	kg
Class, Hazardous	Looked up from the Routes and Streams lists on Setup (INDEX/MATCH).	-
Diverted (kg)	Weight (kg) when the class is Material recovery, or Energy recovery and Setup counts it; otherwise 0.	kg

Quantity	How it is calculated	Units
Net cost	Charge - rebate for the collection. Negative when the material earned more than it cost.	currency
Diversion rate	Sum of diverted kg / sum of weight (kg) for the rows in view (month, stream or the whole range).	%
Report-unit weights	kg / 1000 for t, or kg / 907.18474 for US ton (Setup). Display only.	t or US ton
Net cost per report unit	Sum of net cost / total weight in the report unit.	currency/t
Roll-ups	SUMIFS over rows whose View date is filled in (inside the From and To dates), by month, stream and route. The Pareto ranks streams with COUNTIF (helper columns AN:AP, hidden).	-

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Northgate Packaging, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

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Waste by stream and route, diversion rate, hazardous waste and net cost for the dates you choose.

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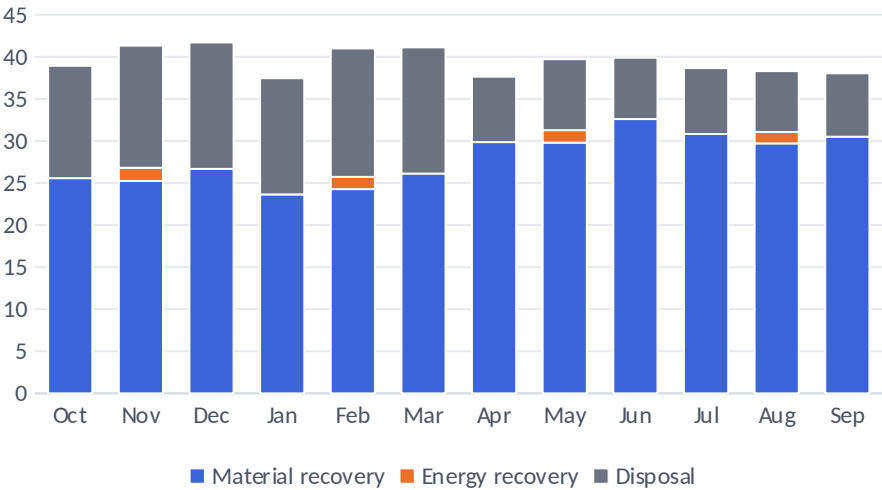
From

To

Showing 184 collections. Weights in t, money in USD. Energy recovery counted as diverted: Yes.

TOTAL WASTE (T)	DIVERSION RATE	SENT TO DISPOSAL (T)	HAZARDOUS WASTE (T)
473.8	71.9%	133.0	5.86
All streams and routes in view	Target 80.0% Below target	Landfill and incineration	Streams marked hazardous

Waste by month and treatment class



Diversion rate by month

