



THE
**FOOT
PRIN
TERS**

**lc green
office**



Environmental Footprint
Results 2024

Dutch-Bangla
Pack Ltd.



Committed



Reliable



Loyal

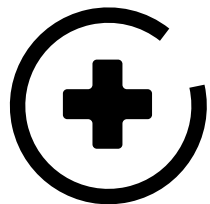


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Introduction

In 2022, Royal LC Packaging (LC Packaging) launched its [2030 Ambition](#), embedding sustainability into the core of our business and embracing our vision: Contribute to a world without waste. To bring this vision to life, we set three ambitious goals for 2030, including [reducing the greenhouse gas emissions in our value chain by 50%](#).

Achieving this ambition requires every LC affiliate and site to actively reduce their own operational footprint (scope 1 and 2 emissions). LC Packaging affiliates and LC Shankar are expected to bring their greenhouse gas emissions down to zero, while Dutch-Bangla Pack must achieve at least a **50%** reduction compared to the 2021 base year.

About this report

This report presents the results of the annual corporate environmental footprint calculations, together with the local performance of your affiliate or site. It provides an overview of the key performance indicators (KPIs), and the related targets and sub-targets. Some KPIs do not have a target attached to them, but nevertheless are monitored for external reporting obligations.

In addition to this report, you will receive the **2024 Corporate Performance Sheet**, which includes detailed insights into the data you provided and the calculations performed.

Important notes

› Changes in report scope:

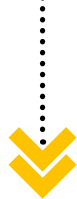
Starting this year, the emission categories '**capital goods**', '**leased assets**' and '**employee commuting**' have been excluded from this report due to their limited environmental impact compared to other categories. As a result, no further data will be collected for these categories. The category '**purchased goods and services**' is now calculated based on LC Packaging's procurement data and is therefore no longer reported separately in this report.

› Data accuracy:

The accuracy of this report depends directly on the quality of the data provided by your affiliate, both this year and in previous years. The higher the quality of the data, the more effectively we can monitor progress. If the data submitted this year represents a significant improvement compared to previous years, we recommend submitting a request for recalculation, which will then be incorporated into the next reporting cycle. For guidance on data collection and reporting, please consult our [reporting instructions document](#), available in multiple languages.

› Limitations to (local) transport data:

The overall data reported on local transport emissions this year was of such low quality that we decided to make an estimate of the transport impact based on last year's data. As a result, we unfortunately are unable to report progress or status at the local level for this year.



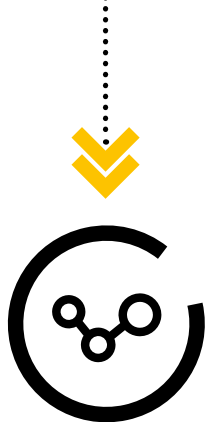
KPIs, goals and targets

Key Performance Indicator (KPI)	(sub) goal	Base year	Target
M ³ of water used in operations			
KGs of waste generated in operations	➤ 50% waste reduction by 2025 , and (close to) zero waste by 2030	2021: 7,750 KG	2025: 3,875 KG
t CO ₂ e impact of waste generated in operations			
Energy use in operations in kWh			
% renewable energy used in kWh	➤ 80% of electricity used comes from renewable sources by 2025* ➤ 100% of electricity used comes from renewable sources by 2028*	n/a	2025: 80% 2028: 100%
t CO ₂ e emissions related to operations (Scope 1 and 2)	➤ net-zero** Scope 1 and 2 emissions for all LC Packaging affiliates by 2030 ➤ 50% emission reduction for Dutch-Bangla Pack Ltd. by 2030	2021: 7,916 t CO ₂ e	2030: 3,958 t CO ₂ e
t CO ₂ e emissions related to business travel (Scope 3)			

For inspiration to green your premises, please refer to the [Sustainable Consumption checklists](#) and the [CEO Statement on Greening Offices](#).

* The renewable electricity can be sourced via the grid or produced in-house.

** A net-zero status means a reduction of at least 90% of the greenhouse gas (GHG) emissions compared to base year 2021. The remaining GHG emissions have to be compensated. Annually, a 4-5% reduction in CO₂e emissions is expected.








Global Performance 2024

The graphic below illustrates our progress in 2024 towards the targeted reductions compared to the base year, covering water consumption, energy use, and waste generation within our operations. It also shows the share of renewable energy in our energy mix and our CO₂e emissions.

Environmental footprint data in our own operations

🟢 On track 🟡 Needs attention 🔴 Not on track

 Water used	 Waste generated (*)	 Energy used (**)	 Renewable energy used (***)	 CO₂e emissions (Scope 1 & 2) (****)
42,233 M ³	455,292 KG	36,660,248 kWh	45%	9,880 t CO ₂ e
-14.4%	-29.3% 🟡	-6.3%	+32.0% 🔴	+ 1.8 % 🔴

* Total waste production = waste production – (resold/internal recycling/reused)

** For fuel and company owned vehicles we switched conversion factors to align with the calculation method for the Greenhouse Gas Inventory. The new factors are roughly 5% higher. Therefore it is hard to compare the energy used with 2021 data.










*** For this impact category we switched conversion factors to align with the calculation method for the Greenhouse Gas Inventory.

**** A substantial decrease in product sales compared to base year 2021 drove the main reduction in emissions, as the categories 'purchased goods' and 'end-of-life of sold products' are closely linked to sales and contribute most to the greenhouse gas inventory.

Greenhouse Gas Inventory 2024 | Breakdown of greenhouse gas emissions

In accordance with the Greenhouse Gas Protocol ([GHG Protocol](#))

2024 Gross GHG emissions	Total GHG emissions/ € 1,000 net turnover	Gross Scope 1 GHG emissions	Gross Scope 2 GHG emissions (market based)	Gross Scope 3 GHG emissions
287,172 t CO ₂ e	1,37 t CO ₂ e	5,419 t CO ₂ e	4,462 t CO ₂ e	277,292 t CO ₂ e

Scope	Category	t CO ₂ e	% of total emissions	Progress compared to 2021 (%)
Scope 1 (Direct emissions)	 Fuel use and refrigerants in activities	4,860	1.7	-12.5
	 Vehicles (leased and company owned)	559	0.2	-18.6
Scope 2 (indirect emissions)	 Purchased electricity for own use	4,462	1.6	+28.7
	 Purchased goods and services	214,702	74.8	-21.9
Scope 3 (indirect emissions)	 Fuel and energy related activities	950	0.3	-22.2
	 Upstream transportation and distribution	7,901	2.8	-3.4
	 Waste generated in operations	111	0.04	+37.0
	 Business travel	193	0.1	+109.8
	 End-of-life treatment of sold products	53,434	18.6	-22.4
Total		287,172	100	-20.9

Explanation: The calculations for the 2024 GHG Inventory are based on the Greenhouse Gas Protocol Corporate Value Chain Accounting and Reporting Standard. The Scope 3 emissions are calculated in accordance with the guidelines of the GHG Protocol Standard, including at least the “minimum boundaries”.

Explanation

The visual shows the results for 2024 and the progress on our [emission reduction goal](#) compared to 2021, divided into scope 1, 2 and 3 categories (direct and indirect emissions).

A summary of the results in 2024:

- Emissions related to **'purchased goods and services'** decreased by **21.9%** compared to base year 2021, and emissions related to **'end-of-life of sold products'** decreased by **22.4%**. A substantial decrease in product sales compared to base year 2021 drove the main reduction in emissions, as these categories are closely linked to sales and contribute most to the greenhouse gas inventory. In addition, emission intensity for most materials decreased in the EcolInvent database used to calculate emissions.
- The total emissions for scope 1 and 2 stayed relatively stable. There was a slight increase of **1.8%** compared to base year 2021. **Scope 1** emissions decreased by **13.2%** compared to 2021, while **scope 2** emissions increased by **28.7%**. This is because joint-venture production facility Dutch-Bangla Pack (DBPL) – responsible for over **80%** of total scope 1 and 2 emissions – had to use more electricity from the grid, instead of its own generators, while the emission intensity of the Bangladesh grid increased. Scope 2 emissions decreased by **3.4%** compared to 2023 because more renewable electricity was purchased and installed on LC Packaging premises.
- As scope 1 emissions have been reduced, emissions related to **'fuel and energy related activities'** have also been reduced **(-22.2%)**.
- Emissions related to **'upstream transportation and distribution'** decreased by **3.4%** compared to 2021 due to fewer shipments. As data quality for transport was low in 2024, most data was extrapolated from 2023.
- In 2021, COVID-related travel restrictions limited mobility. Since these constraints were lifted, we have experienced a large growth in emissions related to **'business travel' (+109.8%)**. Overall, this is still a small impact **(0.04%** of total 2024 emissions).

For more detailed information on greenhouse gas emissions in our value chain, high emitting areas and energy use in our operations, please refer to our [2024 Sustainability Report](#).








Local Performance 2024

The graphic below illustrates your affiliates' progress in 2024 towards the targeted reductions compared to the base year, covering water consumption, energy use, and waste generation within our operations. It also shows the share of renewable energy in our energy mix and our CO₂e emissions.

Environmental footprint data in our own operations

🟢 On track 🟡 Needs attention 🔴 Not on track

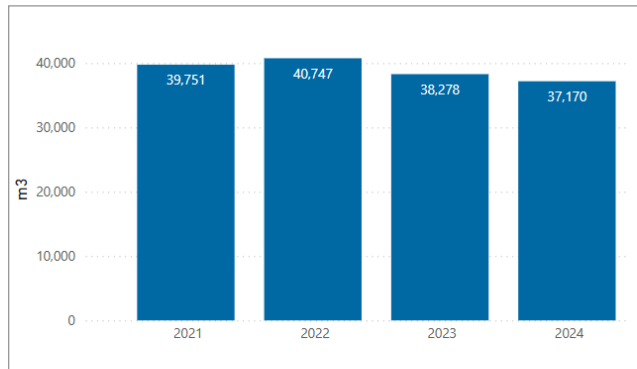
 Water used	 Waste generated*	 Energy used	 Renewable electricity used	 CO₂e emissions (Scope 1 & 2)
37,170 M ³	38,000 KG	29,903.241 kWh	11.9%	8,744 t CO ₂ e
-6%	+390% 🔴	-5%	+605% 🔴	+10% 🔴

Capacity of renewable energy	547,672 kWh*
Production percentage of recycled polypropylene	772,182 kg of plastic has been recycled internally, which is 87% of total waste production.

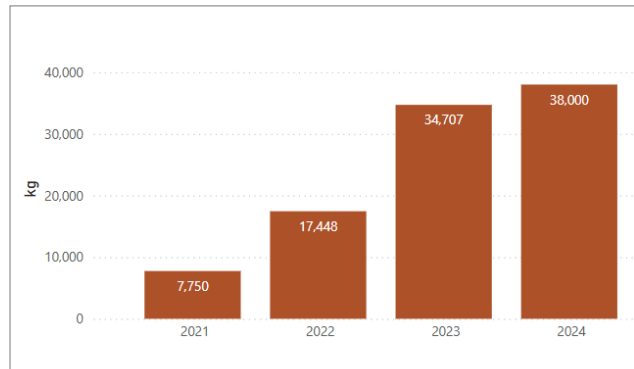
Area for (data) improvements: During the initial data submission, two data points - water consumption and gas consumption - showed unexpected variations compared to last year. These discrepancies were subsequently corrected. This will remain a point of attention for next year.

*547,672 kWh is self-generated by solar panels and 0 kWh is renewable energy purchased from the grid.

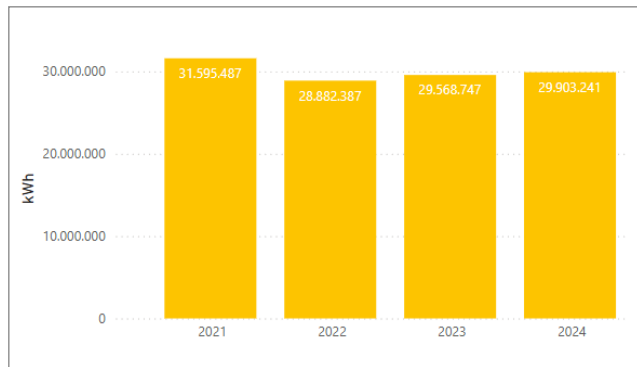
Water



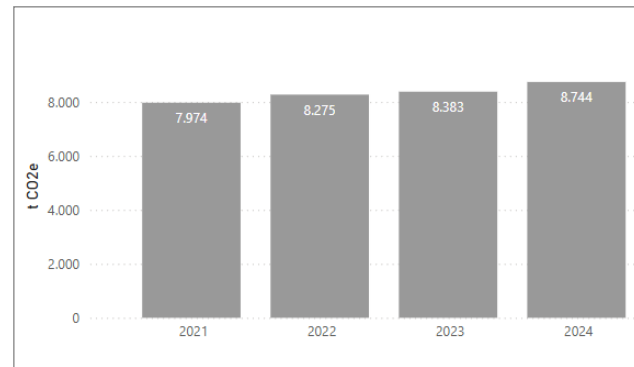
Waste



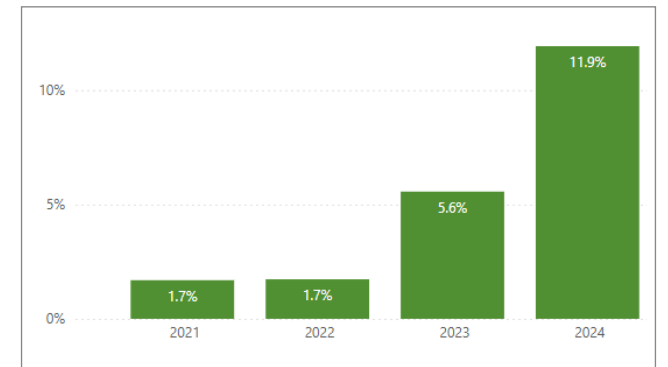
Energy

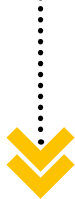


CO₂e



Renewable Electricity





Local Greenhouse Gas Inventory 2024

In accordance with the Greenhouse Gas Protocol

On track Needs attention Not on track

Scope	Category	tCO ₂ e	Performance
Scope 1 (Direct emissions)	Fuel use in activities	4,512	+10%
	Refrigerants use in activities	201	
	Company owned vehicles	136	
Scope 2 (indirect emissions)	Purchased electricity for own use	3,894	
Scope 3 (indirect emissions)	Waste generated in operations (2021)	3	
	Business travel	15	



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Our sustainability efforts have been rewarded with a Platinum CSR rating. We are among the top 1% assessed companies with the highest score.