



Carbon reduction plan Guidance

Notes for Completion

Where an In-Scope Organisation has determined that the measure applies to the procurement, suppliers wishing to bid for that contract are required at the selection stage to submit a Carbon Reduction Plan which details their organisational carbon footprint and confirms their commitment to achieving Net Zero by 2050.

Carbon Reduction Plans are to be completed by the bidding supplier¹ and must meet the reporting requirements set out in supporting guidance, and include the supplier's current carbon footprint and its commitment to reducing emissions to achieve Net Zero emissions by 2050.

The CRP should be specific to the bidding entity, or, provided certain criteria are met, may cover the bidding entity and its parent organisation. In order to ensure the CRP remains relevant, a Carbon Reduction Plan covering the bidding entity and its parent organisation is only permissible where the detailed requirements of the CRP are met in full, as set out in the Technical Standard² and Guidance, and all of the following criteria are met:

- the bidding entity is wholly owned by the parent
- the commitment to achieving net zero by 2050 for UK operations is set out in the CRP for the parent and is supported and adopted by the bidding entity, demonstrated by the inclusion in the CRP of a statement that this will apply to the bidding entity
- the environmental measures set out are stated to be able to be applied by the bidding entity when performing the relevant contract
- the CRP is published on the bidding entity's website

Bidding entities must take steps to ensure they have their own CRP as soon as reasonably practicable and should note that the ability to rely on a parent organisation's Carbon Reduction Plan may only be a temporary measure to satisfy this particular condition of participation.

¹ Bidding supplier or 'bidding entity' means the organisation with whom the contracting authority will enter into a contract if it is successful.

² Technical Standard can be found at:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/991625/PPN_0621_Technical_standard_for_the_Completion_of_Carbon_Reduction_Plans__2_.pdf

The Carbon Reduction Plan should be updated regularly (at least annually) and published and clearly signposted on the supplier's UK website. It should be approved by a director (or equivalent senior leadership) within the supplier's organisation to demonstrate a clear commitment to emissions reduction at the highest level. Suppliers may wish to adopt the key objectives of the Carbon Reduction Plan within their strategic plans.

A template for the Carbon Reduction Plan is set out below. Please complete and publish your Carbon Reduction Plan in accordance with the reporting standard published alongside this PPN.

Carbon Reduction Plan Template

Supplier name: **Roland Plastics Limited**

Publication date: 7th May 2025

Commitment to achieving Net Zero

Roland Plastics Limited is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2024

Additional Details relating to the Baseline Emissions calculations.

This is our first year of reporting a full carbon footprint. We have engaged an external consultant to calculate and verify our data according to the GreenHouse Gas Protocol and have followed the UK Government GHG Reporting guidelines which includes using their recommended conversion factors unless we have specific factors for utilities made available e.g. from the utility suppliers.

Baseline year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	4.2
Scope 2 Location based	107.1
Scope 3 see graph below for included GHG categories: Purchased Goods and Services; Fuel not in scopes 1&2; Upstream transportation; Leased; Employee commuting; Business travel; Downstream transportation, Waste	285.3
Total Emissions	397.3

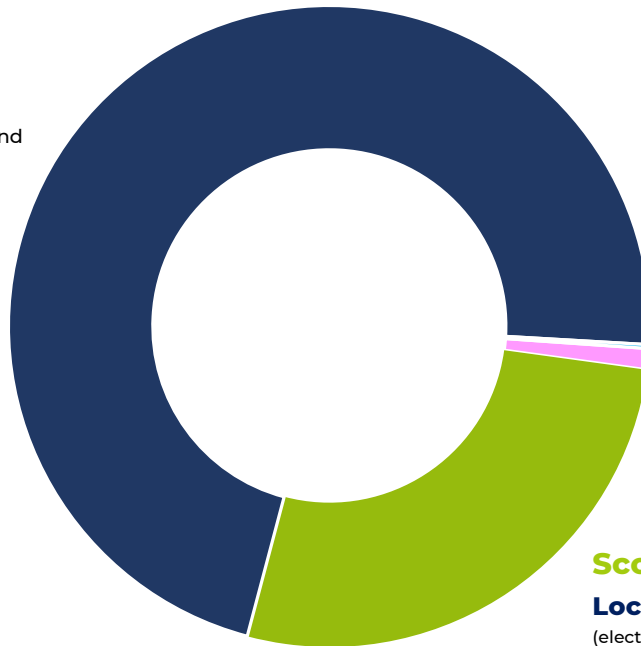
Carbon footprint analysis: Location based

Scope 3 Upstream

(incoming goods and services)

285.3 toCO₂e,

72%



Scope 3 Downstream

(sold goods, transportation)

0.8 toCO₂e, **0.19%**

Scope 1

(gas & other fuel, owned transportation)

4.2 toCO₂e, **1%**

Scope 2

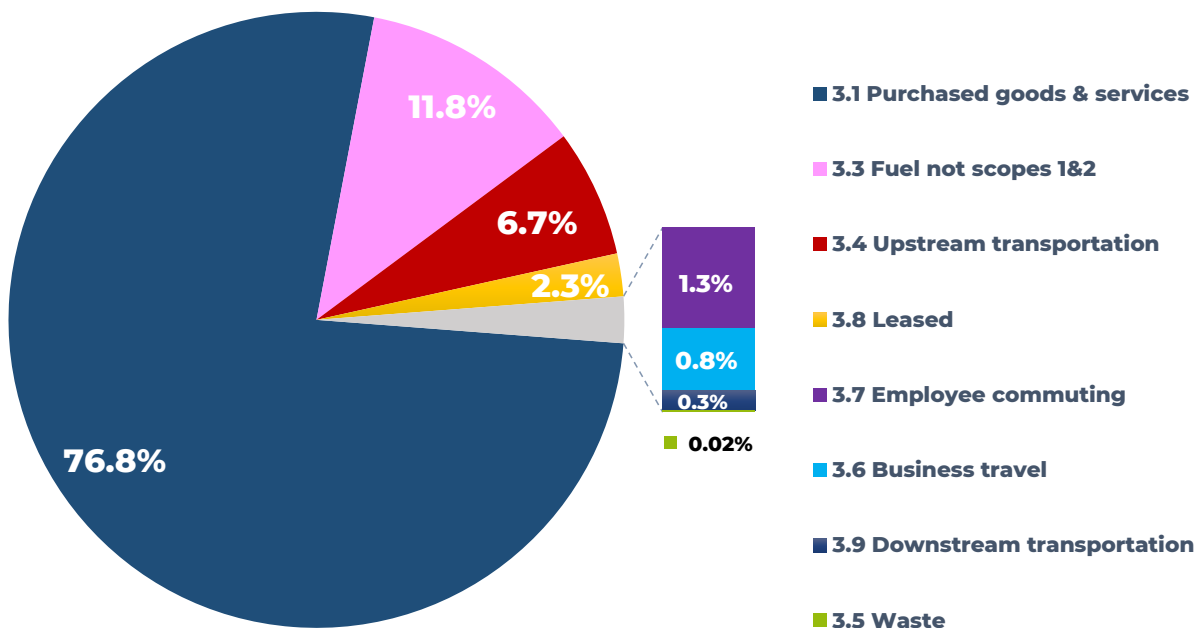
Location based

(electricity, bought in heat or steam)

107.1 toCO₂e **27%**

Fuel not in scopes 1 & 2 includes Well to Tank generation emissions and Transmission and Distribution loss emissions in line with UK government DESNZ factors

Scope 3 GHG Protocol % allocation by category



Current Emissions Reporting

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	4.2
Scope 2 Location based	107.1
Scope 3 see graph below for included GHG categories: Purchased Goods and Services; Fuel not in scopes 1&2; Upstream transportation; Leased; Employee commuting; Business travel; Downstream transportation, Waste	285.3
Total Emissions	397.3

Emissions reduction targets

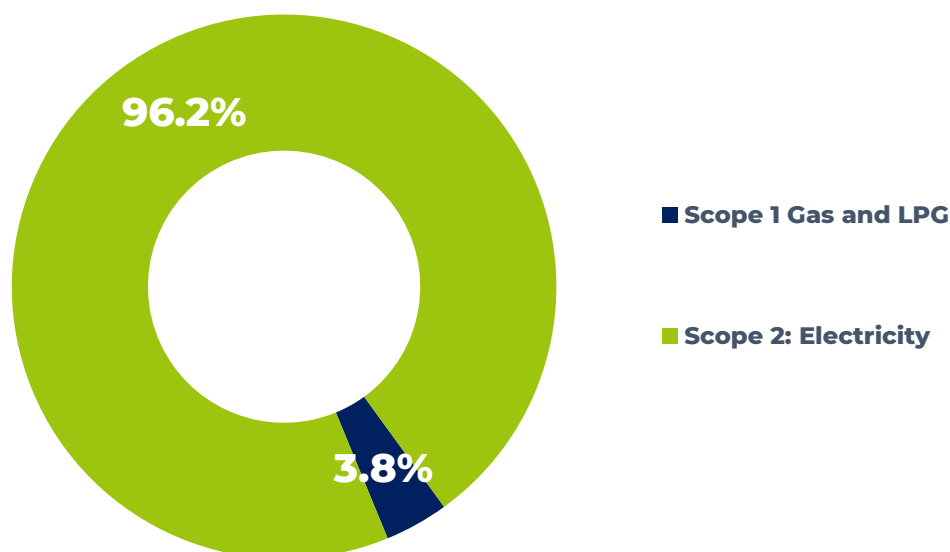
We have not had specific net zero targets previously

Our targets are both near-term and long-term.

Operational carbon emissions

Overall operational emissions are 28% of our total carbon footprint and are split 96.2% electricity and 3.87 gas and LPG

Scope 1 and 2 analysis: Operational emissions



Our near-term target is based on our operational carbon footprint (scopes 1 and 2) which is potentially trending toward net zero by 2050 overall.

Scope 2 emissions are expected to be zero by 2040 based on the published decarbonisation of the electricity grid which will reduce scope 2 to 0gCO₂e/kWh (effectively net zero). We have considered the option of using carbon neutral (so-called renewables backed electricity but the grid is unable to supply net zero electricity at present and it is prohibitively expensive to pay for low or zero emission electricity which is only carbon neutral (most suppliers only guarantee around half their supply is genuine zero emission with the remainder being offset via REGOs).

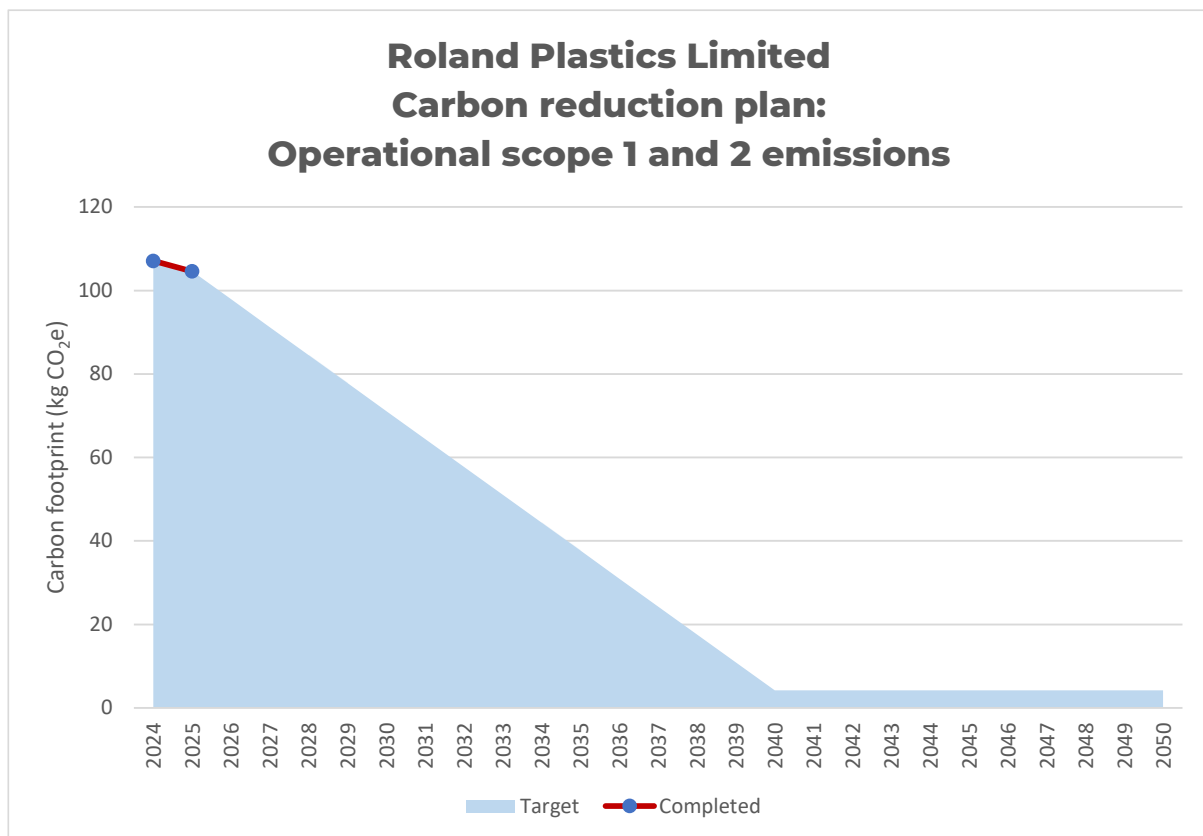
Our scope 1 emissions are low at 1.1% overall and the options for this are less clear. The LPG may be replaced with BioLPG if sufficient quantities become commercially available in the medium to long-term. This would achieve around 82% reduction in that part of scope 1. Currently there is only an option to buy offset LPG which is carbon neutral and not something we see as a good option at this time. If the gas network is improved overall to include hydrogen at up to 24% which would not require any burner change then we would benefit from a reduction of an equivalent percentage in emissions.

Our near term target is to reduce operational (scope 1 and 2) emissions by 96% by 2040 on the basis that the electricity grid becomes net zero. This effectively becomes a net zero target according to science-based target guidelines which require a minimum of 90% emissions reduction and the remainder can be offset using high integrity carbon credits. At this time the cost to neutralise those remaining scope 1 emissions would be minimal and achievable at around £500 a year.

Our scope 3 supply chain target is to be net zero for scope 3 by 2050. This is dependent on our suppliers meeting their own carbon targets which will be helped by grid electricity decarbonisation. We currently do not monitor our supply chain for carbon emissions and have at this point used spend-based estimation of scope 3 based on UK government approved models³

Our scope 3 data is based on real data for employee commuting, business travel, detailed downstream route mapping by t.km per route and spend based estimation for the remaining categories using the DESNZ model. Our expected progress against these targets can be seen in the graph below:

³ [UK and England's carbon footprint to 2021 - GOV.UK](https://www.gov.uk/government/statistics/uk-and-englands-carbon-footprint-to-2021)



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

- LED replacement policy in factory
- Already changed processing equipment for more efficient options
- Energy monitoring and efficiency reporting

Future carbon reduction initiatives

In the future we hope to implement further measures such as:

- Evaluate changing company vehicles to EV
- Consider polling the supply chain for their emissions reduction initiatives
- Air source heat pump installation
- Consider using BioLPG for FLT if sufficient becomes available on the market
- Consider purchasing carbon credits to neutralise the small scope 1 credits remaining after scope 2 becomes net zero in 2040

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard⁴ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting⁵.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard⁶.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



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Date: 12 MAY 2025

Jonathan Paul - Director

⁴ <https://ghgprotocol.org/corporate-standard>

⁵ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁶ <https://ghgprotocol.org/standards/scope-3-standard>