



Cabinet Office

CARBON REDUCTION PLAN GUIDANCE

Carbon Reduction Plan Template

Supplier name: P.F.D (Carlisle) Ltd

Publication date: February 2024.

Commitment to achieving Net Zero

P.F.D. (Carlisle) Ltd is committed to achieving Net Zero emissions by 2045.

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: 2022/23	
Additional Details relating to the Baseline Emissions calculations.	
This is the first reported CO ₂ e baseline year. As a result of large company growth following the demise of Covid-19 restrictions, the 2022/23 carbon footprint is considered the most suitable for the base line year. P.F.D (Carlisle) Ltd grew sharply after the Covid restrictions were lifted and continue to do so. Using an earlier year for benchmarking would not be appropriate. The data presented is reflected in our SECR & ESOS III assessments so future reporting against these Regulations and PPN 06/21 will be aligned.	
Baseline year emissions: 2022/23	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	1,934.6 tCO ₂ e
Scope 2	833.4 tCO ₂ e

Scope 3

(Included Sources)

TOTAL 5,092.3 tonnes CO₂e.**Category 4: Upstream Transportation & distribution****4,854.98 tonnes CO₂e.**

Limited to deliveries from Tier 1 suppliers only, with whom we have some ability to influence or assist in reducing their transport emissions. Deliveries from Tier 2 suppliers do exist but we have limited opportunities to influence their emissions, and many are too small to make major financial investments re. green transport options.

Data for the weights and distances for each delivery journey are not available so a Gross Economic Value Added (GEVA) metric is used, using the UK GEVA factors for 2020. Where a supplier delivers multiple food groups, the average GEVA for all the food groups concerned is used. All GEVA factors are kg CO₂e per £1 spend.

Clarebout: Potatoes, GEVA = 0.050 * £699,000 = 34.95 tCO₂e

Central Foods: Frozen ambient foods, average GEVA 0.489
0.489 * £620,000 = 303.2 tCO₂e

Kara: Bakery, GEVA = 0.144 * £562,000 = 80.93 tCO₂e

Unilever: Ambient foods, GEVA = 0.489
0.489 * £690,000 = 337.4 tCO₂e

Caterers Choice: Fish, tomatoes, beans & Pulses, veggie, fruit
Average GEVA is 0.067
0.067 * £641,000 = 42.9 tCO₂e

Premier Foods: Ambient foods, GEVA = 0.489
0.489 * £535,000 = 261.6 tCO₂e

Jewitts Meats: GEVA = 1.618 * £1,200,000 = 1,941.6 tCO₂e

Bacon factory: GEVA = 1.618 * £575,000 = 930.4 tCO₂e

Brown Brothers: Cooked and sliced meats, GEVA = 1.618
1.618 * £570,000 = 922 tCO₂e.

Category 5: Waste from operations.

51.44 tonnes CO₂e.

April 2022 to March 2023

78.867 tonnes of butcher waste

@ 0.5kg CO₂e per kg 39.93 tonnes CO₂e

Mixed card & paper

224.9 tonnes @ 21.28 kg CO₂e per tonne = 4.786 tonnes

Glass

8.69 tonnes @ 21.28 kg CO₂e = 0.185 tonnes

Mixed waste

307.21 tonnes @ 21.28 kg CO₂e = 6.537 tonnes

Total waste emissions = 51.438 tonnes CO₂e

Category 6: Business Travel.

Included in Scope 1 calculations.

Category 7: Employee Commuting.

185.87 tonnes CO₂e.

Bike 28,560 miles per year zero emissions

Bus 10,320 miles per year
@ 0.162kg CO₂e per mile 1.672 tonnes CO₂e

Car / Lift 674,304 miles
@ 0.273316 kg CO₂e per mile 184.2 tonnes CO₂e

Therefore, our emission reduction targets will focus on reducing emissions from diesel consumption and increasing our capacity to generate solar PV electricity across the portfolio.

In both cases, we will aspire to reduce emissions by 10% in 2023/2024.

Carbon Reduction Projects

Intended Carbon Reduction Initiatives

This is the first carbon baseline submitted so we have outlined the carbon reduction programmes that we will begin to assess and deploy in 2023/24.

Our ESOS Phase III assessment identified 10# energy and carbon reduction opportunities, 5 of which had a financial / energy / carbon reduction potential. These are estimated to save £84,011, reduce energy consumption by 715,838 kWh per annum and eliminate and eliminate 170.5 tonnes of CO₂e per year. Brief details of each opportunity are given below.

Driver Eco-training	CO ₂ e reduction potential	153.4 tonnes.
Improve truck fuel efficiency	ditto	8.652 tonnes.
Food Hall, freezer temps	ditto	0.731 tonnes.
Food Hall, open freezer temps	ditto	1.827 tonnes.
Food Hall, out of hours setback	ditto	5.942 tonnes.

Our delivery fleet is entirely diesel, generally 19-tonne refrigerated DAF and Mercedes Benz vehicles. In the next 24 months we will continue to investigate the potential for gradually replacing these with 100% EV trucks. This will require a substantial financial investment and a large-scale infrastructure development, so must be considered a medium-term investment.

The redevelopment of the main production and cold storage facility at Rosehill, Carlisle will include addition of a xxx kWp solar PV array. This will be capable of generating xxx. kWh per year, all of which will be used on site. This will eliminate and estimated xxx tonnes of CO₂e per year.

The redeveloped / reconstructed portions of Rosehill will be fitted with LED lights and modern controls to keep electricity used by lighting to a minimum.

We do not have plans to gain certification to ISO 14001 but will continue to develop our environmental policies in line with the guidelines given in the Standard.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

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) Standard.

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:

A handwritten signature in black ink, appearing to be 'JGR', written over a horizontal dotted line.

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Date:23/2/2024.....