



Dominic Lydon (Galway) Ltd

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Carbon Footprint Report 2025

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1. Introduction

At Dominic Lydon Steel (Galway) Ltd, we are committed to minimizing our impact on natural systems and the environment, with a focus on energy, greenhouse gas (GHG) emissions, water, and waste. Our Vision ‘Radharc Náid’ initiative aims to eliminate workplace accidents, environmental incidents, and process-related issues, driving meaningful improvements across our operations.

Energy

Energy consumption at our site in Brownville, Bushypark, Galway represents the largest source of climate-relevant emissions. Accordingly, we focus on enhancing energy efficiency and reducing GHG emissions. In 2022, DLG Ltd installed 3 x 60KW (180kW) Solar Power Inverters in thus reducing the electricity consumed due to renewable energy. Phase 2 of our Solar Panel program is scheduled for 2027, investigate further expanding Dominic Lydon Galway Ltd renewable energy capacity.

Greenhouse Gas Emissions

We are dedicated to reducing our carbon footprint across both our operations and supply chain. Our long-term target is to achieve a net zero GHG emissions by 2050. Key initiatives include:

- Procuring 100% of our electricity from renewable sources.
- Collaborating with partner suppliers to source fossil-free steel.
- Engaging with suppliers with the largest GHG contributions to capture their reduction plans and actions.

2. Environmental

The following section details the main areas of environmental reporting for the business. This section deals with Emissions across Scope 1,2 and 3, Energy use, Waste and Water use.

2.1. Emissions

2.1.1. Methodology

For the Year 2024, Scope 1 and Scope 2 emissions were calculated in line with the GHG Protocol Corporate Accounting and Reporting Standard using the operational control approach. Scope 1 emissions were calculated from direct fuel consumption and company vehicle fuel usage, while Scope 2 emissions were calculated from purchased electricity consumption. The assessment used primary fuel and utility consumption data provided by the company and applied SEAI emission factors for all calculations. Scope 2 emissions were assessed using both location-based and market-based methodologies to reflect grid electricity consumption and renewable electricity procurement through green energy tariffs.

Scope 3 emissions were calculated in line with the GHG Protocol using DEFRA emission factors across all five assessed categories. The assessment used a combination of primary data, proxy data, engineering assumptions, estimates, and activity-based methodologies depending on data availability and quality. Transport emissions were estimated using tonne-kilometre (t-km) methodologies where applicable. The assessment establishes an initial Scope 3 baseline to support future target setting and value chain decarbonisation activities.

Emission Source	2024 Base Year (tCO ₂ e)	2025 (tCO ₂ e)	% Change
Stationary combustion (gas/oil)	[0.00]	[0.00]	[0%]
Mobile combustion (fleet vehicles)	15	14	-6.67%
Process emissions	[0.00]	[0.00]	[0%]
Fugitive emissions (refrigerants)	[0.00]	[0.00]	[0%]
Scope 1 Subtotal	15	14	-6.67%
Location-based electricity	11	13	+18.18%
Market-based electricity	0.00	0.00	0%
Scope 2 Subtotal	11	13	+18.18%
Cat 1: Purchased goods & services	Not reported	2874	N/A
Cat 3: Fuel & energy related	Not reported	6	N/A
Cat 4: Upstream transport	Not reported	149	N/A
Cat 5: Waste generated	Not reported	0.15	N/A
Cat 9: Downstream transport	Not reported	183	N/A
Scope 3 Subtotal	Not reported	3212	N/A
Grand Total (tCO ₂ e)	26	3239	N/A

Table 1 Emissions Inventory Summary

The Emissions hotspots are presented in the table below; the hotspots are across all three scopes with the estimated CO₂, the control level and the priority within the company.

Hotspot	Scope	Estimated tCO ₂ e	% of Total	Control Level	Priority
Purchased Goods & Services	Scope 3 – Cat 1	2874	88.7%	Medium	High
Downstream Transportation	Scope 3 – Cat 9	183	5.7%	Low	Medium
Upstream Transportation	Scope 3 – Cat 4	149	4.6%	Low	Medium
Fleet Vehicle Fuel Use	Scope 1	14	0.4%	High	Low
Purchased Electricity	Scope 2	13	0.4%	High	Medium

Table 2 Emissions Hotspots

2.1.2. Scope 1 Direct Emissions

The scope 1 emissions relate to the direct emissions from the company, these emissions relate to outputs from the company's operations and logistics. See the table of emissions in Table 1.

2.1.3. Scope 2 Purchased Energy Emissions

The purchased energy emissions relate to the emissions that occur from energy suppliers. Dominic Lydon (Galway) Ltd operations use a mix of electricity for machinery and administration. See the table of emissions in Table 1.

2.1.4. Scope 3 Value Chain Emissions

The scope 3 emissions relate to all emissions that are upstream and downstream in the business. These emissions relate to the emissions created from your suppliers to your facility and from goods leaving your facility to clients and the impact of the lifecycle of your products.

2.2. Energy Consumption & Efficiency

KPI Metric	Baseline (2024)	2025	2030 Target	Reporting Freq.
Total Scope 1 & 2 emissions (tCO₂e)	26	27	15	Annual
Total Scope 3 emissions (tCO₂e)	Not reported	3212	TBC (pending 2024 baseline)	Annual
Energy consumption (kWh)	110564	114370		Annual
Renewable energy share (%)	53%	67.5%	100	Annual
Revenue / tCO₂e (intensity metric)				Annual
EV / low-carbon fleet (%)				Annual
Supplier ESG assessments completed (%)				Annual

Table 3 Key Performance Indicators (Emissions)

The KPI's presented in Table 3 identify the main KPI's across Scope 1,2 and 3 and across Energy consumption and the reporting frequency.

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