

LAND & WATER PLANT LIMITED

Carbon Reduction Plan for UK PPN 06/21

Supplier Name: Land & Water Plant Limited (LAWP)
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COMMITMENT TO ACHIEVING NET ZERO

LAWP is committed to achieving Net Zero greenhouse gas (GHG) emissions by 2050, for Scope 1, 2 and Scope 3.

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 emission reductions can be measured.

Baseline Year: January 2019 – December 2019	
<p>LAWP's carbon footprint baseline measurement was calculated for the period starting on the 1st of January 2019 and ending on the 31st of December 2019. This baseline measurement serves as the reference point against which future emissions reductions can be assessed</p> <p>LAWP's baseline focused only on Scope 1 emissions (direct emissions) and Scope 2 emissions (indirect emissions). This baseline measurement serves as the reference point against which future emissions reductions can be assessed</p>	
Baseline Year Emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	179.87 tCO₂e , which included:
Company Vehicles	- 120.30 tCO ₂ e
Fuels	- 59.57 tCO ₂ e
Scope 2	29.34 tCO₂e , which included:
UK Electricity	- 29.34 tCO ₂ e
Total Emissions	209.20 tCO₂e

CURRENT EMISSIONS FOOTPRINT

Reporting Year: January 2023 – December 2023	
<p>This report covers LAWP's inaugural year of Scope 3 (indirect, value chain emissions) reporting. Five categories of Scope 3 were assessed for this carbon footprint, as detailed below. LAWP intends to expand this scope in subsequent years.</p> <p>The data for this reporting year was provided by LAWP and calculated by 5D Net Zero in accordance with the UK Government Greenhouse Gas (GHG) Conversion Factors for Company Reporting meeting ISO 14065 Standard. All methodologies follow the activity-based method.</p>	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	159.81 tCO₂e , which included:
Company Vehicles	- 103.78 tCO ₂ e
Fuels	- 56.04 tCO ₂ e
Scope 2	27.53 tCO₂e , which included:
UK Electricity	- 27.53 tCO ₂ e
Scope 3	272.13 tCO₂e , which included:
Upstream Distribution	- 56.07 tCO ₂ e
Waste Disposal	- 0.66 tCO ₂ e
Water (supply & treatment)	- 1.39 tCO ₂ e
Business Travel	- 27.29 tCO ₂ e
Hotel Stays	- 0.52 tCO ₂ e
Commuter Miles	- 23.84 tCO ₂ e
Downstream Distribution	- 162.34 tCO ₂ e
Total Emissions	459.47 tCO₂e

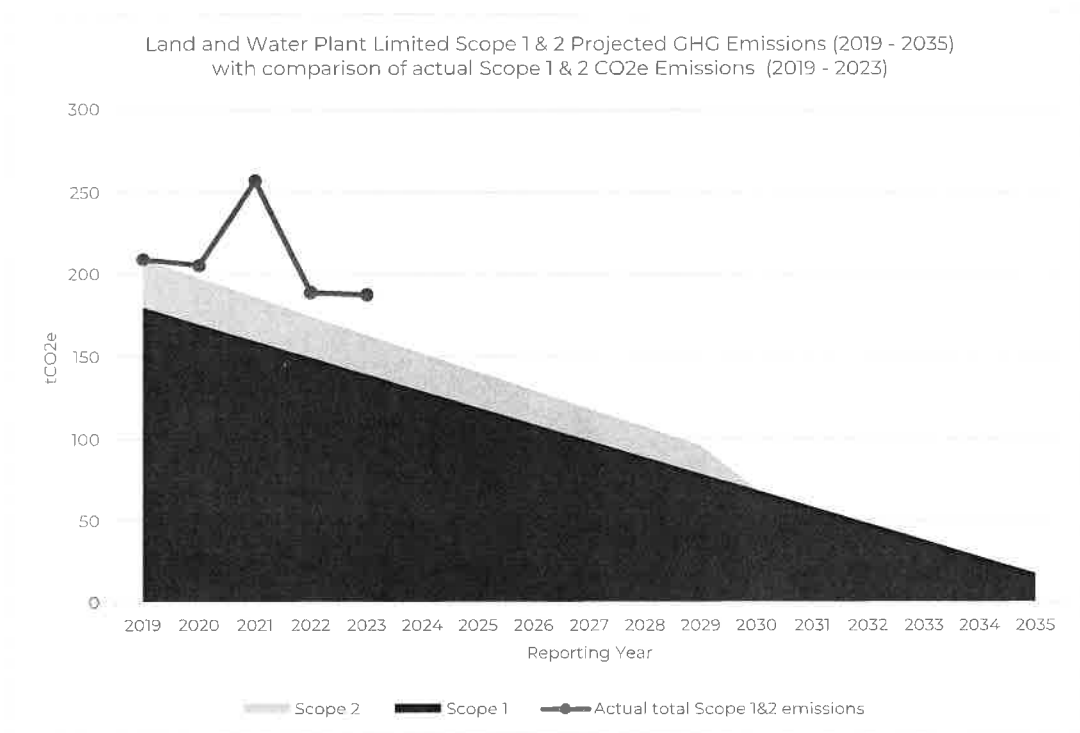
EMISSIONS REDUCTION TARGETS

To continue our progress toward achieving Net Zero, LAWP has adopted the following carbon reduction targets:

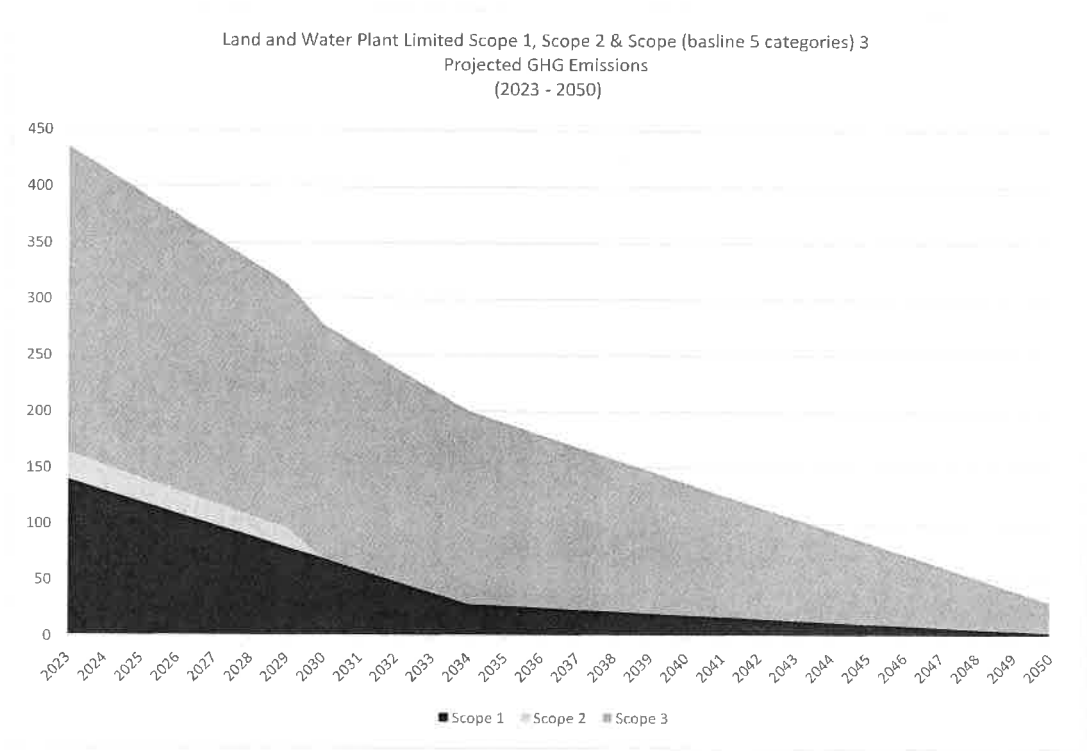
- 🕒 Decrease Scope 1 carbon emissions to 15.95 tCO₂e by 2035. This is a minimum reduction of approximately 90%
- 🕒 Decrease Scope 2 carbon emissions to 0 tCO₂e by 2030
- 🕒 Strive to reduce Scope 1, 2 & 3 emissions to 45.95 tCO₂e by 2050. This is a reduction of approximately 90%

We predict our core operational carbon emissions will decrease over the next five years to 334.07 tCO₂e, this is a total reduction of 23.28%.

LAWP's target greenhouse gas emissions for Scopes 1 and 2 can be seen in the graph below, with the actual emissions from previous years also shown:



LAWP's target greenhouse gas emissions for Scope 1, 2 and 3 can be seen below:



COMPLETED CARBON REDUCTION INITIATIVES

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equates to 21.86 tCO₂e, an 11.67% reduction against the 2019 baseline.

- *Virtual Meetings:* Microsoft Teams has been adopted across the business to hold internal and external meetings online, reducing vehicle movements and associated emissions.
- *Fleet Electrification:* LAWP has electrified part of the vehicle fleet
 - o This has had the co-benefit of encouraging members of staff to take up electric vehicles
- *EV Charger Installation:* EV chargers have been installed at both sites
- *Idling Campaign:* In 2023, our Idling Campaign was launched to reduce unnecessary engine idling. This included posters, numerous toolbox talks and eco-operator training
- *Idle Time Monitoring:* We use telemetry to measure and report idle times on the vehicles we lease. We then share this information with customers to promote operational efficiency
- *Minimum Plant Standards:* We have minimum plant standards, which included Stage V engines being implemented down our supply chain in 2023
- *Supplier Engagement:* We are engaging with manufacturers and suppliers to explore and implement lower-emission equipment options
- *Low-Carbon Equipment Development:* We are actively developing new equipment to offer low-carbon solutions for our customers
- *Waste Reduction through "LAWbay":* in 2023 we soft-launched our internal material re-use platform "LAWbay"

PLANNED CARBON REDUCTION INITIATIVES

The following environmental management measures and projects will be carried out as part of the work to further reduce the 2019 baseline

SCOPE 1

These emissions primarily come through the fuel used in our fleet of vehicles and site fuel (diesel).

I. Company-owned Vehicles (Petrol and Diesel)

- *Company Fleet Transition:* In alignment with the Land and Water Group, LAWP aims to transition the company car fleet to electric or zero-emission vehicles. For larger vehicles where electric options are not yet viable, we will shift to ultra-low emission alternatives.
- *Expansion of EV Charging Infrastructure:* We will complete our rollout of EV chargers by 2026. We will assess charging options for construction projects to further support electric vehicle adoption.
- *Continued Idling Campaign:* We will continue our anti-idling campaign until sustainable behaviours are fully embedded across the workforce.
- *Customer Engagement:* We plan to encourage customers to provide advance notice of vehicle needs, allowing us to optimise logistics planning and reduce unnecessary trips. As part of this initiative, we will educate customers on how this also helps reduce their carbon footprint.
- *Customer Education:* We will engage with customers to consider using smaller machinery where possible, reducing overall fuel consumption and emissions.

SCOPE 2

LAWP reported 27.53 emissions in Scope 2. There must be a focus on both transitioning to renewable energy and increasing efficiencies.

- *Renewable Energy:* Transition both sites to 100% renewable energy supply, to achieve this within 3 years.
- *Energy Audit:* Conduct an energy audit to identify opportunities to reduce energy consumption, such as optimising lighting and heating/cooling systems.

Scope 3

LAWP now has a greater understanding of its Scope 3 emissions from 5 Categories. The following initiatives are proposed to both reduce and improve data collection methods,

I. Data Collection Improvement

- *Data Collection Methods:* Implement better data collection methods for upstream distribution, waste disposal, water use, and business travel, as current estimates rely on assumptions. More accurate data will allow for targeted reduction strategies.

II. Policy Development

- *Review and finalise policies.* We will incorporate sustainability considerations, such as sustainable procurement and travel policies, to improve governance in these areas.

III. Employee Engagement

- *Employee Schemes:* Investigate initiatives like the Bike-to-Work and Electric Car schemes to encourage employees to transition to low-emission commuting.
- *Employee Education:* Pair these schemes with employee education, such as Carbon Literacy, to increase awareness, which may indirectly reduce emissions in other areas.
- *Sustainability Champions:* Appoint 'sustainability champions', with individuals focusing on different categories, such as energy efficiency, waste reduction and employee engagement.

IV. Supply Chain Engagement – Downstream Distribution

Scope 3 downstream distribution includes the delivery and collection of plant and equipment to customers. This is our largest identified emissions source, making up 35% of all identified Scope 3 emissions.

- The long-term goal is to implement low-carbon technology to reduce this impact (once developed) – in the short term, the footprint for each customer job will be calculated to offset up to 35% of our reported Scope 3 emissions.
- The carbon footprint for each job will be calculated at the point of quote, which will allow us to offer the customer the opportunity to provide verified carbon credit offsets for that job.
- This will also contribute to offsetting the customers' Scope 3 emissions

DECLARATION AND SIGN-OFF

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards 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 Standard¹ and used the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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

Signed On Behalf of The Supplier:



Date: 5th October 2024

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

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

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