CELTIC DYNAMICS

# Net Zero Report -
# Carbon Reduction Plan

**Univet,**
**Tullyvin, Co. Cavan, Ireland**

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Prepared by:
**Celtic Dynamics**

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## Net Zero Commitment

Univet recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.
We commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC, i.e. to achieve Net Zero no later than 2050 and target a 63% reduction in direct emissions by 2035.
2. To set realistic short- and long-term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business, at a minimum, on an annual basis.

| | Year | Target Reduction from Baseline |
|---|---|---|
| Commitment to be Net Zero | 2050 | 100% |
| Direct Emissions Reduction | 2035 | 63% |

*Table 1. Company Targets*

## 1. Company Overview

Univet is a Private Limited Company (LTD). Company registered in Ireland, with a head office address of Univet, Tullyvin, Co. Cavan, Ireland, H16 T183.

| | |
|---|---|
| Year | January-2024 to December-2024 |
| Industry | Pharmaceutical |
| No. of Staff | 95 |
| No. of Offices – Owned | 1 |
| No. of Offices – Leased | 0 |
| No. of Company Vehicles - Owned | 0 |
| No. of Company Vehicles - Leased | 0 |

*Table 2. Company Overview*

Univet's predominant activity is Veterinary Pharmaceutical Manufacturing. Univet Ltd develops, manufactures, and distributes a wide range of veterinary pharmaceutical products, including sterile injectable preparations, oral powders, premixes, intramammary products, nutritional supplements, and anthelmintics. These products are designed to support the health and treatment of both companion animals and livestock, particularly ruminants and swine. The company operates under Good Manufacturing Practice (GMP) standards and maintains a comprehensive pharmacovigilance system to ensure regulatory compliance and product safety. Univet exports the majority of its output to international markets and continues to expand its manufacturing capacity in response to global demand. Univet also invests significantly in research and development, collaborating with national funding bodies to bring new veterinary formulations to market. Its activities are supported by an established regulatory affairs function and a focus on continuous improvement in quality and operational efficiency.

## 2. Reporting Period

Information was provided from the period of January-2024 to December-2024. This is used as the reporting period.

## 3. Organisational Boundary

This report calculates the organisation's Cradle to Gate emissions, encompassing Scope 1, Scope 2, and relevant Upstream Scope 3 Emissions as per the GHG Protocol

| Approach | Description | Approach Taken |
|---|---|---|
| **Operational Control** | The organisation has operational control over an operation if it or one of its subsidiaries has the full authority to introduce and implement its operating policies at the operation. | Yes |
| **Financial Control** | The organisation has financial control over the operation if it has the ability to direct the financial and operating policies of the organisation with a view to gaining economic benefits from its activities. | No |
| **Equity Share** | The organisation accounts for GHG emissions from operations according to its share of equity in the operation. | No |

*Table 3. Carbon Neutral Commitment*

## 4. Operational Scopes

Emissions from Scope 1 and 2 have been measured along with certain Scope 3 emissions. Unless otherwise stated, the scope 2 emissions presented in this report were derived using the Location calculation method. The Scope 3 emissions that have been included are those that have been practical to measure with available data, which are as follows:

| Scope: | Emissions Category: | Included: | Reason for Omission: |
|---|---|---|---|
| 1 | Energy | Yes | |
| 1 | Refrigerant | Yes | |
| 1 | Biogenic | No | No significant emissions present from category. |
| 2 | Imported Energy - Market | Yes | |
| 2 | Imported Energy - Location | Yes | |
| 3 | Goods & Services | Yes | |
| 3 | Capital Goods | Yes | |
| 3 | Upstream Energy | Yes | |

| | | | |
|---|---|---|---|
| 3 | Upstream Transportation & Distribution | Yes | |
| 3 | Waste | Yes | |
| 3 | Business Travel | Yes | |
| 3 | Employee Commuting | Yes | |
| 3 | Upstream Leased Assets | No | No significant emissions present from category. |
| 3 | Downstream Transportation & Distribution | No | Not within 'Cradle to Gate' boundary. |
| 3 | Processing of Sold Goods | No | Not within 'Cradle to Gate' boundary. |
| 3 | Use of Sold goods | No | Not within 'Cradle to Gate' boundary. |
| 3 | EoL Treatment of Sold Goods | No | Not within 'Cradle to Gate' boundary. |
| 3 | Downstream Leased Assets | No | Not within 'Cradle to Gate' boundary. |
| 3 | Franchises | No | Not within 'Cradle to Gate' boundary. |

*Table 4. Scope of Emissions Calculation*

## 5. Benchmark Year

This is the first time the company has measured and reported on its carbon emissions, and therefore, this is the benchmark year, i.e. from January-2024 to December-2024.

## 6. Carbon Emissions Overview

**Total Carbon Emissions: 13,117.41 $t_{CO2e}$ (tonnes CO2e)**

The calculated emissions for the business for the period Jan/24 - Dec/24 are 13,117.41 tCO2e. This is the first year the company has measured its carbon emissions. As such, this is the benchmark year of the company, with the breakdown of emissions analysed throughout this report.

## 7. Analysis by Scope

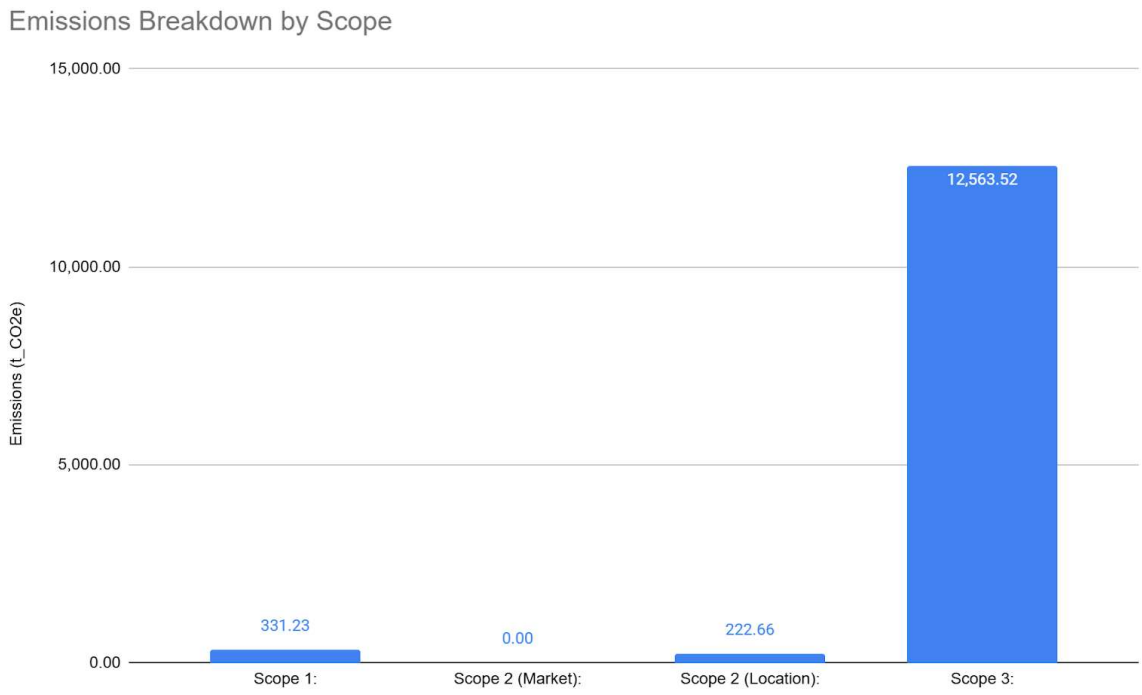


*Figure 1. Analysis by Scope Chart*

| Scope | $t_{CO2e}$ | % |
|---|---|---|
| **Scope 1** | 331.23 | 2.53% |
| **Scope 2** | 222.66 | 1.70% |
| **Scope 3** | 12,563.52 | 95.78% |
| **Total** | 13,117.41 | |

*Table 5. Analysis by Scope*

## 8. Emissions By Category

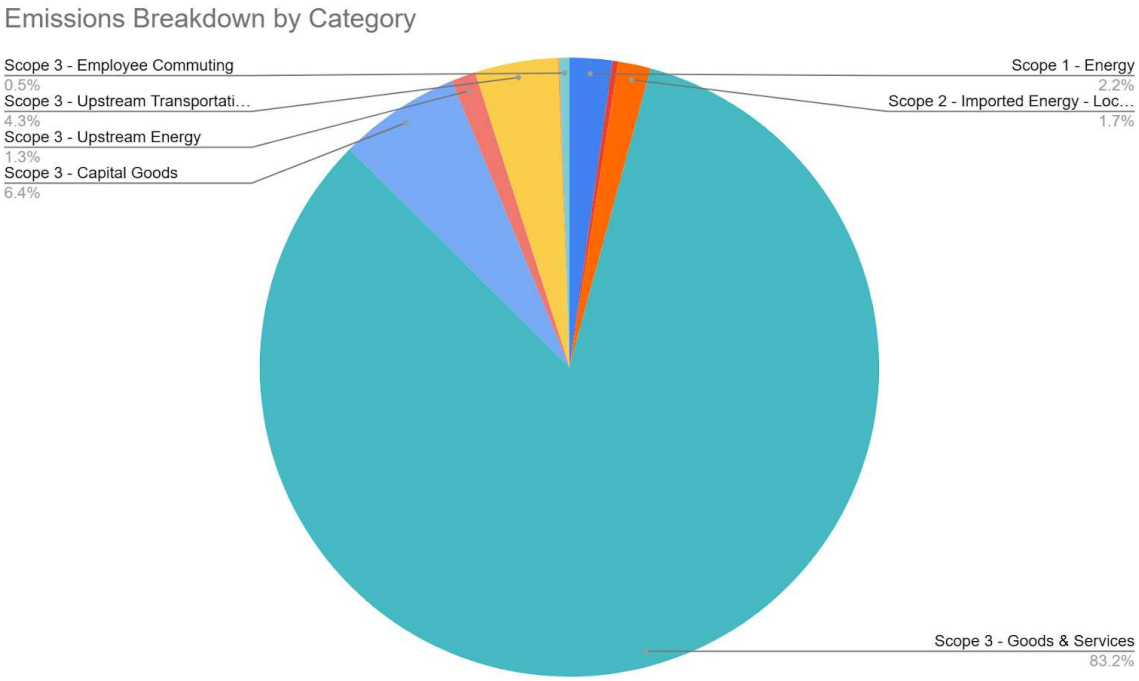


*Figure 2. Emissions by Category Chart*

| Scope | Category | Emissions ($t_{CO2e}$) | Contribution | Data Source |
|---|---|---|---|---|
| 1 | Energy | 291.80 | 2.22% | Invoices, SEAI Data |
| 1 | Refrigerant | 39.43 | 0.30% | Engineer Reports |
| 2 | Imported Energy - Market | 0.00 | - | Invoices |
| 2 | Imported Energy - Location | 222.66 | 1.70% | Invoices, SEAI Data |
| 3 | Goods & Services | 10,912.33 | 83.19% | Invoices, various CEF libraries and assumptions available separately. |
| 3 | Capital Goods | 837.44 | 6.38% | Invoices, various CEF libraries and assumptions available separately. |
| 3 | Upstream Energy | 166.34 | 1.27% | SEAI Data |
| 3 | Upstream Transportation & Distribution | 567.55 | 4.33% | Estiamted transport routes and UK government CEF data |
| 3 | Waste | 0.17 | 0.00% | Waste Invoices, UK Government Data for EoL treatment |
| 3 | Business Travel | 10.70 | 0.08% | Internal tracking, UK government Data for transport emissions |
| 3 | Employee Commuting | 68.99 | 0.53% | Internal tracking, UK government Data for transport emissions |

*Table 6. Emissions by Activity*

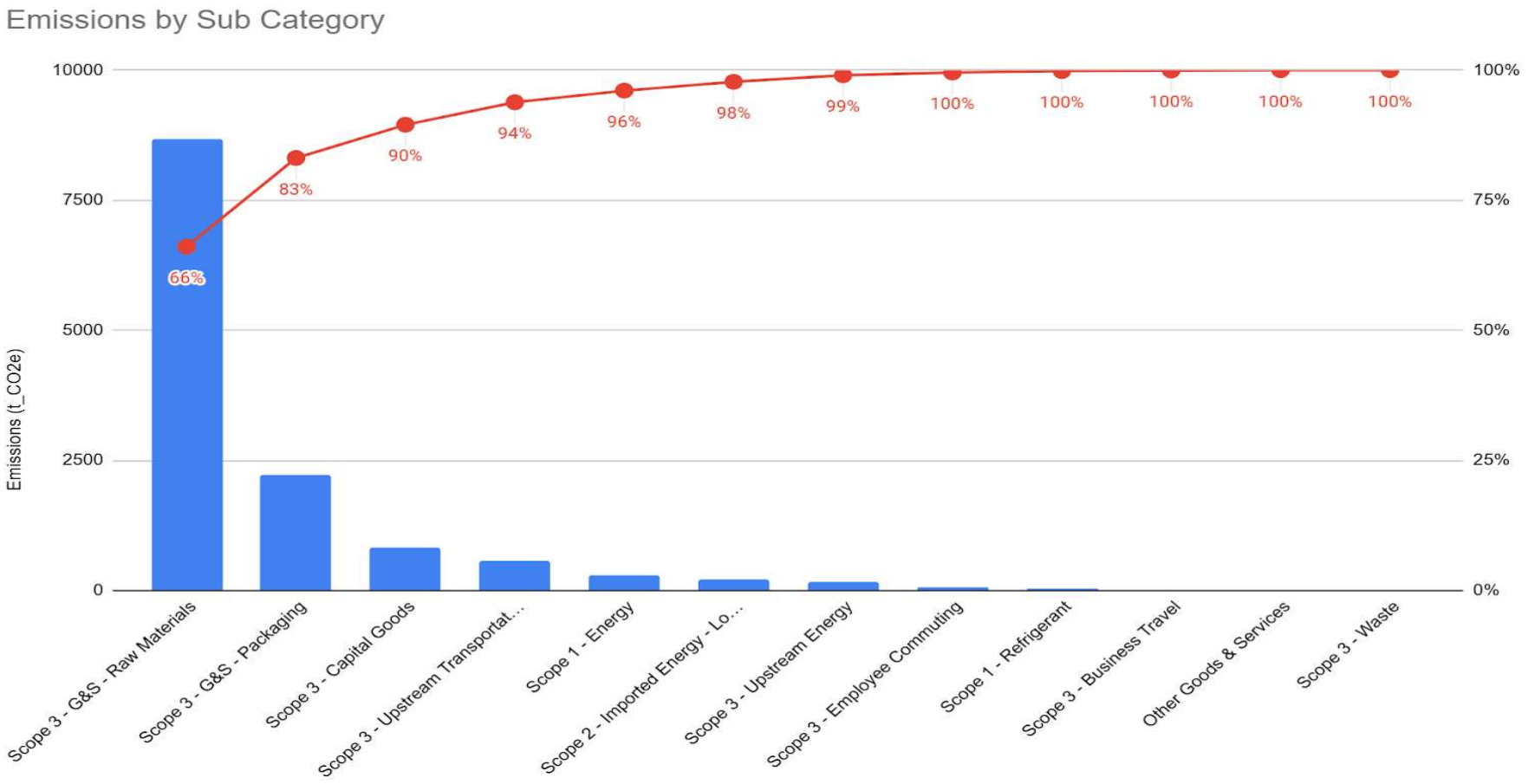


*Figure 3. Top 10 Emissions Sources*

| Rank | Source | Emissions ($t_{CO2e}$) | Contribution to Total |
|---|---|---|---|
| 1 | Scope 3 - G&S - Raw Materials | 8,670.12 | 66% |
| 2 | Scope 3 - G&S - Packaging | 2,233.23 | 83% |
| 3 | Scope 3 - Capital Goods | 837.44 | 90% |
| 4 | Scope 3 - Upstream Transportation & Distribution | 567.55 | 94% |
| 5 | Scope 1 - Energy | 291.80 | 96% |
| 6 | Scope 2 - Imported Energy - Location | 222.66 | 98% |
| 7 | Scope 3 - Upstream Energy | 166.34 | 99% |
| 8 | Scope 3 - Employee Commuting | 68.99 | 100% |
| 9 | Scope 1 - Refrigerant | 39.43 | 100% |
| 10 | Scope 3 - Business Travel | 10.70 | 100% |
| 11 | Other Goods & Services | 8.98 | 100% |
| 12 | Scope 3 - Waste | 0.17 | 100% |

*Table 7: Emissions Sources by Sub Category*

## 9. Intensity Metric Analysis

Metric 1:

Total Emissions per No. of Employees

| | Emissions ($t_{CO2e}$) | Employees (No.) | Emissions Intensity ($t_{CO2e}$/No.) |
|---|---|---|---|
| Benchmark - 2024 | 13,117.41 | 95.00 | 138.08 |

*Table 8. Metric 1 Data*

As the first year of analysis, there is no comparison to undertake for this metric. The key variable, No. of Employees, is equal to 95. This metric should be monitored in future years to measure carbon emissions performance.

Metric 2:

Direct Emissions per m2 of Floor Space

| | Emissions ($t_{CO2e}$) | Floor Space (m2) | Emissions Intensity ($t_{CO2e}$/m2) |
|---|---|---|---|
| Benchmark - 2024 | 553.89 | 7,740.00 | 0.07 |

*Table 9. Metric 2 Data*

As the first year of analysis, there is no comparison to undertake for this metric. This metric should be monitored in future years to measure carbon emissions performance.

Metric 3:

Direct Emissions per t of Product

| | Emissions ($t_{CO2e}$) | Product (t) | Emissions Intensity ($t_{CO2e}$/t) |
|---|---|---|---|
| Benchmark - 2024 | 1,998,643.03 | 1,413.73 | 1,413.73 |

*Table 10. Metric 3 Data*

As the first year of analysis, there is no comparison to undertake for this metric. This metric should be monitored in future years to measure carbon emissions performance.

## 10. Past Performance & Emissions Reductions Targets

The following graph summarises the carbon emissions reduction targets.

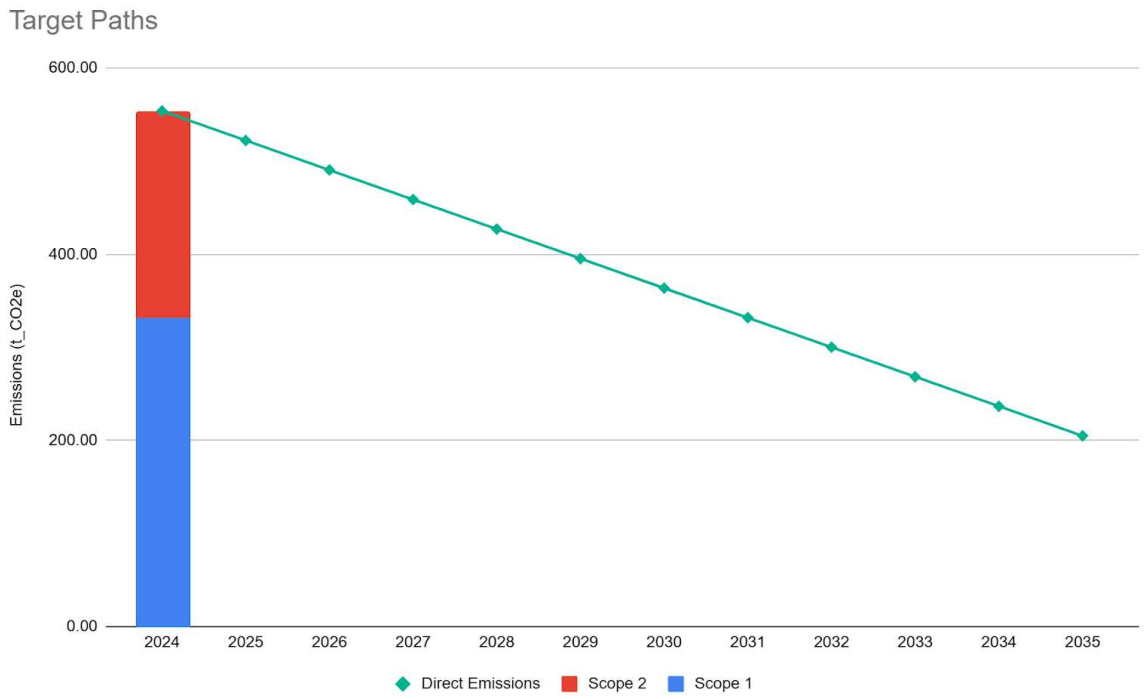


*Figure 4 Emissions Reduction Targets Line Chart*

## 11. Carbon Reduction Plan

The current roadmap for Univet is presented in the figure below. A list of energy and carbon saving initiatives were identified through an energy audit in June 2025. These identified initiatives will achieve a significant reduction in current direct emissions. Additionally, between now and the near-term SBTi target deadline (2035) the expected carbon emissions intensity of the irish grid is expected to reduce by 35% as a conservative estimate.

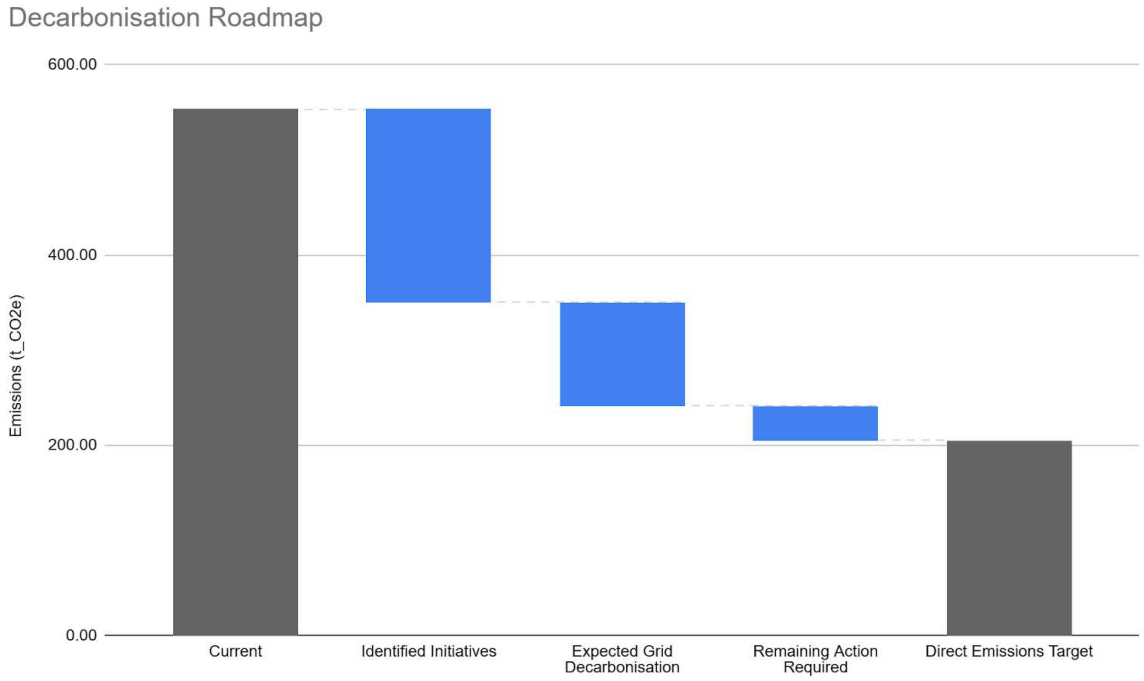


*Figure 5. Carbon Reduction Roadmap*

To reach the remaining targets, Univet will develop the following initiatives to support the company's strategies to meet Science Based Targets:

| Initiative | Action |
|---|---|
| **Employee engagement** | • We will formulate our strategy in 2025, including a clear plan for employee engagement. At the board level, this strategy will be communicated throughout the organisation to ensure alignment and commitment.<br>• We will share this report with staff and engage them to report employee commuting data by educating them on the importance of tracking their commuting data and offering incentives for sustainable travel options. |
| **Sustainable travel expenses policy** | • We will encourage use of public transport / lower carbon transport first where practical to do so. |
| **Sustainable supplier policy** | • We will create a supplier engagement strategy in 2025 to launch in 2026. |
| **Energy review** | • We are working with suppliers re: tariffs etc across the entire estate and hope to conclude this in 2026.<br>• Switch all tariffs to SEAI-certified sources<br>• Progress energy saving initiatives |
| **Data Quality** | • To improve the quality and accuracy of data to ensure more accurate measurement of our emissions. |
| **Company-owned vehicles** | • Complete the transition of the company-owned fleet from internal combustion engine to electric and other low carbon alternatives in line with the developments in the car market. |
| **Training** | • To provide Net Zero awareness to the team |
| **Carbon Accounting Process** | • Univet is committed to completing its carbon emissions dashboard on a regular basis. This is overseen by a member of the Senior Management Team and shared with the wider team on a quarterly basis.<br>• By partnering with Celtic Dynamics, we gain access to their support in reporting our emissions and how to reduce them, including best practice and insights.<br>• We will promote our activities on social media to encourage others to make lower-carbon decisions. |
| **Collaboration** | • We will work with local businesses and organisations to support collective action toward reducing carbon emissions and promoting sustainability. |

**Signed on behalf of Univet**

_____

Name: Conor Crowe

Position: Maintenance Manager

Date: _____

## 12. Emissions Data

The data contained in the table below represents the total emissions calculated and is consistent with SECR requirements. All sources of emissions that have been measured are included in the totals below. Emissions from key activities are summarised in the previous sections.

| Current Reporting Year January-2024 to December-2024 | |
|---|---|
| Energy consumption used to calculate emissions Electricity Scope 2 - Ireland and Offshore (kWh) | 968,518.00 |
| Energy consumption used to calculate emissions – Global, excluding Ireland and Offshore (kWh) | 2,241,071.00 |
| Basis of Energy reporting (Location or Market) | Location |
| % of total energy sourced from certified renewable sources | 100.00% |
| Emissions associated with energy consumption - IRE, Offshore and Global (tCO2e) | 553.89 |
| Emissions from activities for which the company is responsible including combustion of fuel and operation of facilities - Scope 1 (tCO2e) | 331.23 |
| Emissions from purchase of electricity, heat, steam and cooling purchased for own use - Scope 2 (tCO2e) | 222.66 |
| **Total Scope 1 and 2 Emissions (tCO2e)** | **553.89** |
| Emissions from upstream activities out of operational control - Scope 3 (tCO2e) | 12,563.52 |
| Emissions from use of sold products and services out of operational control - Scope 3 (tCO2e) | 0.00 |
| **Total Gross Scope 3 Emissions (tCO2e)** | **12,563.52** |
| **Total Scope 1, 2 and 3 Emissions (tCO2e)** | **13,117.41** |
| Intensity ratio tCO2e (gross Scope 1, 2 and 3) per employee | 138.08 |
| Carbon offsets (tCO2e) | 0 |
| **Total Annual Net Emissions (tCO2e)** | **13,117.41** |

*Table 11. Emissions Data*

## 13. Standard and Methodology Used

Univet categorises its Greenhouse Gas (GHG) Emissions as Scope 1, 2 or 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent ($CO_2e$) for all scopes are calculated using the conversion factors listed in the SEAI's Conversion and Emission Factors document for the relevant 12-month period over which the Carbon emissions are calculated. Procured renewable electricity and gas are calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

## 14. Data Quality / Confidence

The data used to generate this report has been collected from various sources from both within the company and using assumptions gathered by Celtic Dynamics. These emissions have been converted to $CO_2e$ using the GHG Protocol and BEIS frameworks and conversion factors for the relevant period.

## 15. Declaration and Sign-off

This Carbon Reduction Plan has been completed in accordance with Streamlined Energy and Carbon Reporting (SECR), 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 standard, and use the appropriate Government emission conversion factors for greenhouse gas company reporting.
Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions has 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 Celtic Dynamics Engineering Limited**

_____

Name: **Dylan Walsh**

Position: **Chief Executive Officer**

Date: 28/08/2025

## 16. Glossary

| | |
|---|---|
| **Benchmark Data** | The chosen 12-month period sets the calculated emissions that need to be mitigated and/or offset. |
| **Carbon Reduction** | Reduction in measured $CO_2e$ emissions |
| **Carbon Reduction Plan** | Plan to reduce $CO_2e$ emissions over a period of time, updated annually |
| **Carbon Emissions (Gross)** | $CO_2e$ emissions from Company activities |
| **Carbon Emissions (Net)** | $CO_2e$ emissions from Company activities minus verified carbon offsets the Company purchases |
| **Carbon Neutral** | When emissions are fully offset including those emissions that could be mitigated. |
| **Carbon Offsets** | A removal or reduction of carbon emissions through a verified scheme. |
| **$CO_2e$** | All greenhouse gases expressed in terms of Carbon Dioxide equivalent ($CO_2e$) for consistency of reporting. |
| **SEAI** | Sustainable Energy Authority of Ireland (https://www.seai.ie/data-and-insights/seai-statistics/conversion-factors) |
| **EEIO** | Environmentally Extended Input Output – Emissions estimated on spend https://ghgprotocol.org/ |
| **GHG Protocol** | Greenhouse Gas Protocol https://ghgprotocol.org/ |
| **Greenhouse Gases** | Carbon Dioxide ($CO_2$), Methane ($CH_4$), Nitrous Oxide ($N_2O$), Chlorofluorocarbons (CFCs and HCFCs), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride ($SF_6$) |
| **Greenhouse Gas Conversion Factors** | Annually published conversion factors normally published by relevant government departments. Converts activity into $CO_2e$ emissions. |
| **Greenhouse Gas Emissions (GHG)** | Gases in the atmosphere that absorb and radiate heat |
| **Intensity Metric/Ratio** | A metric that measures carbon emissions per relevant unit of activity in a business. |
| **Market Reporting v Location Reporting** | The market is based on specific tariffs. Location is based on the country from which you are reporting. |
| **Net Zero** | GHG emissions are mitigated and those that cannot are offset |
| **Renewable Tariff** | An energy tariff that is 100% powered by renewable energy and is |

| | |
|---|---|
| | certified. |
| **SBT** | Science Based Targets – reducing emissions by 50% by 2030 and by 90% by 2050 and offsetting the remaining amount. |
| **Scope 1** | The fuels that are burnt (gas, transport the company owns, refrigerant gases) |
| **Scope 2** | The energy that is bought (electricity from the grid, purchased heat) |
| **Scope 3** | Emissions embedded in everything a company buys and emitted as a consequence of everything a company sells. |
| **SECR** | Streamlined Energy and Carbon Reporting |
| **$tCO_2e$** | Metric tonnes of $CO_2$ equivalent emitted. |
| **WBCSD** | World Business Council for Sustainable Development https://www.wbcsd.org/ |
| **WRI** | World Resource Institute https://www.wri.org/ |