



Cabinet Office

## 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 supplier<sup>1</sup> 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 Standard<sup>2</sup> and Guidance<sup>3</sup>, 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; and
- 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 under this selection criterion.

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.

---

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

<sup>2</sup>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](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)

<sup>3</sup>Guidance can be found at: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/991623/Guidance\\_on\\_adopting\\_and\\_applying\\_PPN\\_06\\_21\\_\\_Selection\\_Criteria\\_\\_3\\_.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/991623/Guidance_on_adopting_and_applying_PPN_06_21__Selection_Criteria__3_.pdf)

# Carbon Reduction Plan Template

Supplier name: Yearsley Food Limited

Publication date: 09/04/2025

## Commitment to achieving Net Zero

**Lineage, Inc.** is committed to achieving Net Zero emissions by 20**40**.

## 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.

*[Instructions to Suppliers:*

*Please provide details of your organisation's baseline emissions below. If your organisation has not previously assessed or reported emissions, please detail this below and use your first reporting period as your Baseline.]*

**Baseline Year: 2021**

**Additional Details relating to the Baseline Emissions calculations.**

*[Instructions to Suppliers:*

*Add commentary regarding your Baseline Emissions as required: e.g. historic baseline which deviates from the requirements under this measure (e.g. no prior Scope 3 emissions reporting), where there is no previous reporting and the creation of a new baseline due to substantial organisational change or restructuring]*

Scope 1: Emission sources included in the calculation were on-site fuel combustion, mobile fuel combustion and refrigerants. CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and HFCs were included in the calculation. Emission factors were sourced from US EPA and IPCC Good Practice Guidance and Uncertainty Management in National GHG Inventories. For HFCs, estimations were created based on the age of the refrigeration system and average EPA leak rates based on refrigerant type. Sites were surveyed and asked to indicate their refrigerant gas type and age of system.

Scope 2: Emission sources included purchased electricity and renewable energy, and emissions were calculated using the market-based approach. Emissions factors were sourced from IEA, US EPA eGRID, AIB European Residual Mixes and Green-e Residual Mix.

**Baseline year emissions:**

**EMISSIONS**

**TOTAL (tCO<sub>2</sub>e)**

Scope 1	Fugitive Refrigerant Emissions – 103,283 MT CO <sub>2</sub> e Mobile Transportation Diesel – 92,441 MT CO <sub>2</sub> e Natural Gas for heating & Other – 24,481 MT CO <sub>2</sub> e
Scope 2	Market based scope 2 Electricity – 616,845 MT CO <sub>2</sub> e
Scope 3 (Included Sources)	Lineage are committed to their carbon reduction plan and have a net zero target of 2040. We have started building our scope 3 emissions and are working on this at the moment, however the data will not be ready in time for our 2024 summary which is due out in Q2 2025. We aim to start reporting this in full in the near future.
Total Emissions	837,050 MT CO <sub>2</sub> e

## Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	Fugitive Refrigerant Emissions – 111,903 MT CO <sub>2</sub> e Mobile Transportation Diesel – 169,510 MT CO <sub>2</sub> e Natural Gas for heating & Other – 32,162 MT CO <sub>2</sub> e
Scope 2	Market based scope 2 Electricity – 751,980 MT CO <sub>2</sub> e
Scope 3 (Included Sources)	Lineage are committed to their carbon reduction plan and have a net zero target of 2040. We have started building our scope 3 emissions and are working on this at the moment, however the data will not be ready in time for our 2024 summary which is due out in Q2 2025. We aim to start reporting this in full in the near future.
Total Emissions	1,065,556 MT CO <sub>2</sub> e

## Emissions reduction targets

*[Instructions to Suppliers:*

*If existing emissions reduction targets are in place for your organisation, please provide details below.*

*If you have no previous emissions reduction commitment, or if this is your organisation's first carbon footprint, please provide targets for your organisation]*

Greenhouse Gas (GHG) Emissions: Reinventing our relationship with energy and reimagining the journey of food requires careful accounting of our GHG emissions. Lineage invests in renewable and low-carbon technologies, processes and alternative energy sources to drive down our direct GHG emissions output.

Energy Consumption: Reducing the amount of energy required to power our operations is an important component of our efforts to decrease greenhouse gas emissions. Lineage assesses total energy consumed throughout our portfolio to focus our efforts in areas of the business with the largest potential impact on GHG mitigation efforts

Same Store: Lineage currently defines “same store” as facilities we have owned and operated for two or more years and are not undergoing major renovation or construction, excluding Integrated Solutions. Aligning to the same store classification allows us to create actionable ESG targets and goals while our global footprint continues to evolve over time.

Given our role in our customers’ supply chains, it is also important that Lineage’s global team can anticipate, prepare for, respond to and recover from the adverse impacts of severe weather events, power outages and other unexpected challenges. Our goal is to maintain the integrity of our operations, to keep our team members safe and maintain our access to transportation routes and sustainable power supplies to continue to provide effective service to our customers.

Every Lineage facility is required to have or develop an emergency response plan, and building one is a key action item when integrating newly acquired facilities into the network. Once established, the plans are routinely reviewed and updated, and emergency response drills are conducted. These plans cover matters including, but not limited to ammonia release, fire, hurricane, and loss of power or water.

Site resiliency is also a key consideration when we evaluate potential facility acquisitions. Before we invest in a new site, we assess multiple geographic risk factors, such as whether a proposed facility is in a flood zone and whether it has access to a sustainable water source.

For greenfield sites, resiliency is a key priority, and we keep it in mind from blueprint creation to construction. New sites are often designed in accordance with some of the latest standards for energy efficiency and are equipped with certain features designed to withstand extreme weather, such as roofs built to resist damage from hail and wind.

In addition to positioning our sites and their teams to appropriately respond to crises, we are also more fundamentally reimagining how traditional cold storage facilities interact with and depend on the grid. The food in our care is important to our customers and our communities and even a brief outage can have repercussions.

To that end, Lineage hopes to explore ways to reduce our dependence on grid-based power by stacking our own energy production assets—such as solar panels and linear generators—to create on-site “microgrids” that blend locally generated power with traditional sources of electricity. We view this combination of new technologies and new methods as an important part of our strategy to further increase the resilience of our operations

2023 – SALEM, OR – A CASE STUDY ON ENERGY INDEPENDENCE

**On-Site Generation:** Solar energy installations are generating power at a number of Lineage facilities around the globe. In 2022 (the last year the association released its report), the Solar Energy Industries Association ranked Lineage as fifth largest corporate host of installed, on-site solar capacity—with 108 MW of solar generating capacity in the U.S. alone. On-site solar installations are able to provide power for large facilities and handle substantial electric loads which pairs well with our business infrastructure and energy needs. Our Salem, OR microgrid project uses a rooftop solar array with a total of 2,742 solar panels which can generate up to 1.48MW.

**Energy Management System:** To better monitor and understand our energy usage at both the facility level and company-wide, we have worked with a longtime Lineage partner to deploy their energy management system which combines realtime energy, production and operations system data into one standardized platform. By leveraging that information, we are able to develop meaningful KPIs and actionable alerts to help us optimize our energy usage 24/7/365.

**Local Expertise & Attention:** Technology and innovation are important to our strategy for reaching net-zero as a company, but having a team empowered to take on these issues day-in and day-out will perhaps be even more essential to our success. That is why we have focused on creating a culture of continuous improvement among our team members and implemented Facility Energy Evaluations. By combining education, a standardized inspection process and cross-functional collaboration, Facility Energy Evaluations empower facility maintenance teams to identify opportunities for greater energy efficiency on a regular basis.

**Energy Storage Capacity:** When microgrids produce more energy than they use, a battery system can store excess energy to be deployed later during demand spikes. Our Salem, OR microgrid project – the first facility in Lineage’s network to incorporate an energy storage system – utilizes a lithium-ion battery energy system which can supply clean electricity to the facility or back to the local utility. It also serves as an important proof-of-concept as we explore ways to reduce our environmental impact and create more resilient buildings

**Solar Energy:** We have made significant investments in solar energy – including multiple on-site solar installations – to produce electricity and reduce our dependence on grid-based power at 87 facilities in ten countries. As of December 31, 2023, our solargenerating capacity reached 146MW.

**Linear Generators:** Linear generators are on-site generators that we can integrate with other power-generating assets. They produce power via a low-temperature reaction below the levels at which nitrogen oxide (NOx) emissions are formed, which means they generally burn fuel at a slower rate than similar generators that use diesel fuel. As of December 2023, we have 5 linear generators in operation.

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

Lineage is moving to minimize the carbon emissions from our daily operations in accordance with The Climate Pledge. To work toward realizing this, we have taken measures to reduce carbon emissions across the Lineage portfolio. These measures include:

- Utilizing additional renewable and low-emission technologies to meet our electricity needs and to generate more of our own electricity on-site
- Focusing on energy and operational efficiency across our operations—leveraging data science and digitization to identify opportunities
- Expanding our internal capabilities to monitor and one day impact Scope 3 emissions—an area in which we know there is additional work ahead of us
- Joining the move to -15C - a global coalition of supply chain and logistics companies designed to reassess the nearly century-old standard which calls for frozen foods to be stored at -18C (or 0F).
  - Initial academic research is showing that -15C (or 5F) is cold enough to keep food safe and thus carries with it the possibility of enabling the industry to reduce carbon emissions with essentially zero upfront investment and little to no impact on food safety or quality. The International Institute of Refrigeration, the University of Birmingham and London South Bank University, among others, found this small change could save 17.7 million metric tonnes of carbon dioxide per year, the equivalent annual emissions of approximately 3.8 million cars.

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

*[Instructions to Suppliers:*

*Briefly provide details of some of any likely/proposed future carbon reduction projects. This is for information only.]*

- Sustainable transportation opportunities
- Solar projects
- Continuous improvement in energy efficiency

### EPA SmartWay Certification

Lineage participates in the U.S. Environmental Protection Agency's (EPA) SmartWay Transport Partnership, a program that provides a framework to assess the environmental performance and energy efficiency of goods moving through supply chains so partnering companies can reduce their environmental footprint.

Launched in 2004, the SmartWay program helps companies advance supply chain sustainability by measuring, benchmarking and improving freight transportation efficiency. Moreover, the program also helps companies select more efficient freight carriers, transport modes, equipment and operational strategies to improve supply chain sustainability.

**Fleet Transformation:** Because transportation is a significant contributor to our GHG emissions as a company, we hope to explore options for vehicle electrification and ways to make more efficient use of the fuel resources currently at our disposal. By leveraging the data at our disposal, our team is working to drive fleet efficiencies and focus on the areas with the biggest carbon emission saving opportunities. For example, we have partnered with a third party to integrate a program that tracks the efficiency of our drivers' routes with specificity—down to the most fuel-efficient freeway lanes they can use.

**Yard Goats:** Lineage has rolled out some zero-emission yard goats to facilitate the unloading process at certain of our warehouse lots. In the traditional sense, yard goats are vehicles used to move food transportation trailers from trucks to our warehouse loading docks. Because they require diesel fuel, yard goats have historically been contributors to our total carbon emissions. As of 2023, we have transitioned to electric, zeroemission yard goats at 16 facilities. This transition to electric yard goats, combined with our work to make our unloading schedules more efficient, is helping to reduce average emissions generated during the loading and unloading process of our warehouse operations.

**From Road to Rail:** We are also optimizing on-site and off-site transportation options to leverage lower carbon emission, rail-based transportation with our customers. Rail is one of the more climate-friendly transportation options<sup>1</sup> at our disposal. Over the last four years, Lineage has expanded our rail fleet and developed solutions to help more of our customers to take advantage of rail transportation options—to reduce both their shipping costs as well as their carbon emissions.

[Lineage - 2023 Sustainability Report - Compressed – 11.06.24.pdf](#)

## **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.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>4</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>5</sup>.

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<sup>6</sup>.

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

---

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

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

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

**Signed on behalf of the Supplier:**

*Jenna Hakken*

.....  
Date: .....2/11/2025.....