



CARBON REDUCTION

PPN 06/21

Envar Composting Limited

Stanford Bridge Farm,
Ashford, Kent, TN27 0RU

Phone: 01487 849 840

Email: enquiries@envar.co.uk

enVar 
Regenerating our Earth

Introduction

Envar Composting

Envar Composting Limited (Envar) provides critical services to local authorities and businesses across the UK. These services include waste management and composting facilities which support the recycling of biodegradable waste materials into a quality approved soil improver product.

Envar is regulated by multiple agencies and permitting regimes, including the Environment Agency (EA), the Animal and Plant Health Agency (APHA), the Planning Authority and the voluntary commitments which Envar has made including its subscription to ISO 9/14001 management standards.

Envar employs PlanetMark as part of its parent group (Heathcote Holdings) as the consultancy providing carbon accounting services. PlanetMark undertake a series of quality assurance checks in line with industry best practice to ensure the Greenhouse Gas statements are as accurate as possible. The process follows of the principles of ISAE 3410. This process is currently underway and is expected to enhance the Carbon Reduction Plan (CRP) updates and action plans in following years. Also providing Corporate Social Responsibility indices and action plans for the businesses to show a broader and more holistic measure of our contributions to society and the environment as part of our environmental, social and governance (ESG) criteria.

Our current carbon footprint accounts for carbon emissions over which Envar has financial control.

This Carbon Reduction Plan conforms to the requirements of Procurement Policy Note PPN06/21; "Taking Account of Carbon Reduction Plans in the procurement of major government contracts", published in June 2021 and the supporting "Technical standard for the Completion of Carbon Reduction Plans". The Envar Composting financial year starts on the 1st of May and ends on the 30th of April; our carbon reporting has been aligned to this reporting cycle since financial year 2021/2. The current reporting period covered by this plan is 2021/2022

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Company Commitment

Envar Composting Limited is committed to achieving net zero emissions by 2050.

We will achieve net zero across our value chain carbon (scope 3) by 2050. As part of our pathway to net zero we will achieve a number of interim targets as below.

Now

- Installing EV chargers at all sites
- 100% Renewable electricity
- Installation of solar where practical
- Seek to show sequestration in compost

2030

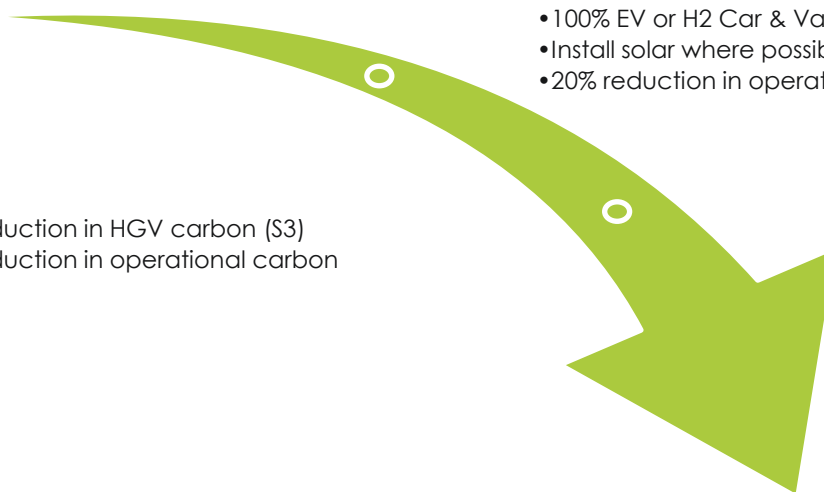
- 100% EV or H2 Car & Van Fleet
- Install solar where possible
- 20% reduction in operational carbon

2040

- 40% reduction in HGV carbon (S3)
- 40% reduction in operational carbon

2050

- Net Zero



We refer to our scope 1 and 2 carbon emissions as our operational carbon, as it relates to our own use of energy for our own operations and is under our control. We will achieve net zero for scope 1 and 2 by 2045.

Envar operations include composting, haulage, waste treatment and processing across numerous operational entities. Our pathway to net zero and associated carbon reduction targets and action plans are structured in line with our core business operations and entities:

- Envar Composting Limited
- West London Composting Limited
- Envar Composting (North) Limited
- Envar Composting (Surrey) Limited

Baseline Emissions Footprint

In previous years, Envar has not sought to record carbon or CO₂e production as part of business strategy. It is of important note however, Envar has sought to record and keep KPI data on energy use throughout the business mainly for financial efficiency savings.

It is therefore considered very likely that Envar has worked to reduce emissions significantly in the past 5 years. Examples of upgrades include new plant machinery fleet replacements in 2021 which use 2 litres of diesel less per hour than previous models but also which can handle 20% more waste in the same time period than older technology.

Other significant improvements are the procurement and installation of solar panels where possible, including a 364kW (Peak) array on the composting buildings which feeds excess renewable energy to the electrical grid and a 4.9kW (Peak) system to the offices.

Our baseline report is calculated from the emissions profile post these upgrades and has not been backdated to omit them. The baseline therefore is reduced from previous.

| | |
|---|---|
| Baseline – 2021/2022 | |
| Scope 1 & 2 – Financial Year 2021-2022 | |
| Scope 3 - Financial Year 2021-2022 (partial) | |
| Additional details relating to baseline emissions calculations | |
| <p>Envar Composting has analysed its own emissions for scope 1 and 2 historically and has now added in scope 3 emissions. The emissions in scope 3(*) include other indirect sources of GHG emissions that are within our value chain, such as employee commuting, waste generated by the company's operation and third party services contracted in. The scope 3 emissions at this time do not include production and transportation of raw materials (for example plant machinery) and the use and disposal of products and services by customers. These extra emissions are being compiled by PlanetMark and will be included in the revised report.</p> | |
| Preliminary Baseline Emissions | |
| Emissions | Total (tCO ₂ e) |
| Scope 1 | 1594 |
| Scope 2 | 411 including 20tCO ₂ e on site solar production |
| Scope 3 (*) | 1097 |
| Total Emissions | 3102 |

Normalised Emissions Footprint

When looking at emissions it is very important to look at how there absolute emissions are normalised against the expansion of the business and its market share. It stands to reason that emissions shall go up should the business acquire another entity or handle more waste materials. For this reason Envar has decided to base emissions normalisation on tCO₂e per ton of material throughput.

Based upon the throughput in the 2021/22 period the baseline emissions should be considered as below:

| | |
|---|--|
| Baseline – 2021/2022 | |
| Scope 1 & 2 – Financial Year 2021-2022 | |
| Scope 3 - Financial Year 2021-2022 (partial) | |
| Additional details relating to baseline emissions calculations | |
| <p>Envar Composting has analysed its own emissions for scope 1 and 2 historically and has now added in scope 3 emissions. The emissions in scope 3(*) include other indirect sources of GHG emissions that are within our value chain, such as employee commuting, waste generated by the company's operation and third party services contracted in. The scope 3 emissions at this time do not include production and transportation of raw materials (for example plant machinery) and the use and disposal of products and services by customers. These extra emissions are being compiled by PlanetMark and will be included in the revised report.</p> | |
| Preliminary Baseline Emissions | |
| Emissions | Total (KgCO₂e/t waste processed) |
| Scope 1 | 6.4 |
| Scope 2 | 1.7 |
| Scope 3 (*) | 4.4 |
| Total Emissions per ton (normalised) | 12.5 |

Current Emissions Reporting

Our absolute emissions shall be reported as part of the PlanetMark certification process. The relevant results are given by our normalised emissions calculations. These are in line with UK BATC which Envar is permitted under as part of the Environmental Permitting Regulations (EPR). Envar is required to produce an energy efficiency plan in line with the EPR/UK BATC & Appropriate Measures for Biological Treatment and update it annually to show energy efficiency measures are being undertaken. The report shall be appended with this CRP annually.

| | |
|---|--|
| 2022/23 Target | |
| Scope 1 & 2 | |
| Scope 3 | |
| Additional details relating to baseline emissions calculations | |
| A full analysis including all of scope 3 emissions shall be provided as part of this target and for this reason the actual value may increase next year. The target on scope 3 below refers to the reduction in baseline, including only those emissions which have been accounted for in the previous baseline. This can be updated and shall be updated in next years report. | |
| Preliminary Baseline Emissions | |
| Emissions | Total (KgCO₂e/t waste processed) |
| Scope 1 | 6.2 |
| Scope 2 | 1.6 |
| Scope 3 (*) | 4.2 |
| Total Emissions per ton (normalised) | 12 |

Emissions Reductions Targets

In order to continue to progress to achieving net zero we have adopted the following reduction targets.

- A reduction in the normalised emissions per ton handled of 0.5 kgCO₂e.t
- This is a 5% (rounded) reduction in emissions year on year

A reduction of 5% year on year would bring Envar within 3kgCO₂e.t of their absolute target by 2050. So in addition to this annual reduction target, measured as a moving average decrease, the business will consider further non-percentage targets to further improve this figure.

Carbon Reduction Projects

Completed Projects

- Solar Heathtops House – 4.9kWh Peak
- Solar Reception – 364 kWh Peak
- Replacment of 9 x loading shovels

In Progress Projects

- Planet Mark CSR & Emissions reporting
- Further Solar (In Planning) offices
- Company Car Fleet Electrification/Hydrogenisation/Hybridisation
- Charging Infrastructure

Pipeline Projects (Unconfirmed)

- Further Solar
- Energy projects
- Sustainable Alternative Products
- Sequestration

Declaration & Sign Off

This carbon reduction plan has been completed in accordance with PPN06/21 including 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 in the GHG reporting protocol corporate standard and uses the appropriate government emission conversion factors for greenhouse gas company reporting.

Scope 1 and 2 requirements 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 standards for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the appropriate senior management body.

Signed on behalf of Envar Composting



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Date: 17/05/2023