



Carbon Reduction Plan

PPN06/21

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Supplier: Silver Energy Management Solutions

Company number: 07956897

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Introduction

Silver Energy Management Solutions Limited provides mechanical, electrical, power and mobility design and delivery services to empower private and public sector clients with the training, tools and technical expertise required to address the world's energy challenges. We also offer energy consultancy and facilities management to private and public sector organisations.

We're engineers who work for the planet, aiming to help the built environment industry embrace clean, just energy transitions that foster social and climate resilience.

1. Commitment to achieving net zero

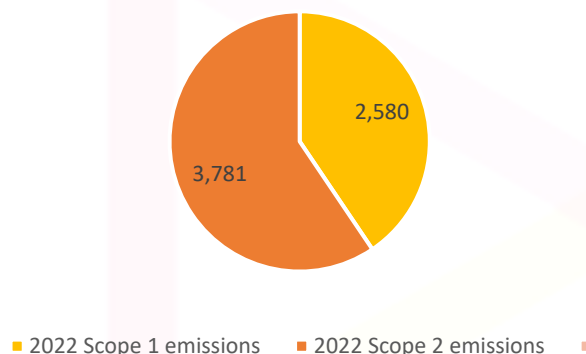
Silver Energy Management Solutions are committed to achieving Net Zero emissions by 2030.

2. Baseline emissions footprint

Baseline emissions are a record of the greenhouse gases (GHG) that have previously been produced before the implementation of any carbon reduction strategies. Baseline emissions are used as a reference point against which emissions reduction can be measured.

Our baseline emissions footprint was calculated using data from 2022.

2022 Baseline Emissions



Scope 1: 2,580 kgCO₂e

Scope 2: 3,781 kgCO₂e

Our current reporting year emissions are the same as the baseline due to using 2022 data for baselining. However, this is a live document that will be published year on year to update on our progress against our carbon reduction initiatives.

We have been unable to include Scope 3 emissions due to limited data availability. This will be reviewed and updated in line with our ISO audits and included for the next reporting period.

2.1. Assumptions

To develop our baseline emissions footprint, we have made a few assumptions. These are detailed below:

- Online CIBSE Benchmarking tool which is populated by data from CIBSE Guide F has been used to calculate office electricity and fossil fuel usage due to incomplete data from office landlord. Average of good and typical electricity and fossil fuel (kWh/m²/year) has been assumed.
- Electricity usage of company vehicle has been calculated based on mileage recorded by a third-party vehicle tracking software.
- Baseline emissions for Scope 1 and 2 have been based on carbon factors published by BEIS in 2022¹
- Scope 3 emissions are not reported due to limited data availability

3. Emissions reduction targets

To progress towards achieving our Net Zero targets, we have adopted the following carbon reduction targets:

- We intend to become a zero-carbon regenerative design consultancy by 2030.

4. Carbon reduction initiatives

We have developed several carbon reduction initiatives to reduce our carbon footprint in all stages of project development and delivery. We have planned the following initiatives for the next 5-year period:

- We will prioritise insightful data collection to improve our carbon emissions reporting methodology
- We will commence auditing of subcontractors' ESG commitments and target the appointment of contractors performing the best against those criteria
- Encourage staff to prioritise the least carbon intensive modes of transport to travel to office and site engagements.
- Implement low consumption IT equipment throughout the organisation to reduce the carbon associated with design workstation operation. This will also include a transition to cloud hosted design environments where data centres utilise renewable energy.
- Reducing business travel by utilising remote meeting solutions and by reducing the amount of travel to the office through allowing home working amongst our staff.
- Through our transition to a regenerative design consultancy, we intend to influence the mindset of our clients towards regenerative design, moving beyond sustainability, where the intention is to give back to nature more than is sequestered through the build and operation lifecycle.

¹ [Greenhouse gas reporting: conversion factors 2022 - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022)

5. Declaration and sign off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21, associated guidance and the relevant reporting standards for Carbon Reduction Plans.

All 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 uses 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 have 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 the Supplier:



Justin Fletcher

CEO of Silver Energy Management Solutions

17th January 2023