Synergize Carbon Reduction Plan

Executive Summary

The Carbon Reduction Plan outlines our ongoing efforts to progress towards the ambitious goal of achieving net zero greenhouse gas emissions, established against a baseline set in 2021. It provides a transparent account of our annual greenhouse gas emissions and delineates the strategic measures we are implementing to steadily advance towards net zero emissions. This document has been crafted in direct response to the directives outlined in Policy Procurement Note (PPN) 06/21, which emphasises the imperative of considering Carbon Reduction Plans in the procurement of significant government contracts. Additionally, it aligns with NHS England's Net Zero Supplier Roadmap, reinforcing our commitment to collaborative action towards environmental sustainability.

1. Introduction

1.1 Background

Synergize operates through three specialized divisions. **SynServ** is dedicated to comprehensive void maintenance and cleaning services, specializing in expert treatment for damp and mould. SynServ extends its expertise across residential, commercial, education, and hospital sectors. **SynFurb** specializes in the execution of major refurbishment projects within a wide spectrum of residential properties, ranging from low to high-rise, as well as in commercial, education, and hospital sectors. Meanwhile, **SynZero** conducts meticulous energy efficiency assessments for both domestic and non-domestic properties. As an accredited installer for fabric-first measures, renewables, and energy management monitoring equipment, SynZero ensures optimal energy performance and sustainability outcomes.

1.2 Objectives

Synergize is steadfast in its commitment to attaining net zero emissions for Scope 1 and 2 by 2030, with a comprehensive transition to net zero across all scopes by 2040. This pledge aligns with the UK Government's ambitious target of achieving national net zero emissions by 2050, as outlined in the Climate Change Act 2008. Our journey towards net zero comprises two crucial milestones:

- Achieving net zero carbon emissions by 2030 entails addressing Scope 1 and 2 emissions, including those originating from our offices, fleet operations, and direct emissions on operational and construction sites.
- By 2040, our aim is to extend this commitment to encompass all Scope 3 emissions, further solidifying our dedication to sustainability and environmental stewardship.

2. Carbon Footprint Assessment

2.1 Scope

In 2021, we diligently adhered to the mandates outlined in the Government's Streamlined Energy and Carbon Reporting (SECR) legislation, which necessitated the meticulous calculation and benchmarking of our carbon footprint. This initiative, in line with PPN06/21, serves as a cornerstone for driving continual improvement in our environmental performance year after year. By systematically assessing our emissions, we've gained valuable insights into areas where our carbon

footprint is most pronounced, enabling us to proactively implement targeted strategies for future mitigation. The SECR report, conducted meticulously, encompassed the quantification of our Scope 1 and Scope 2 emissions, alongside a partial assessment of Scope 3 emissions, yielding a gross carbon emissions figure of 144.82 tCO2e. Specifically:

- **Scope 1**: Encompasses carbon emissions stemming from our gas consumption and the operation of company-owned vehicles.
- **Scope 2**: Reflects carbon emissions associated with our building electricity consumption.
- **Partial Scope 3**: This includes carbon emissions attributed to staff mileage, constituting a significant aspect of our operational carbon footprint.

This comprehensive assessment, compliant with the principles outlined in PPN06/21, forms the basis for our strategic approach towards carbon reduction and sustainability initiatives moving forward.

2.2 Baseline Emissions

We utilise a baseline established in 2021 to meticulously track our advancements towards achieving net zero emissions. This baseline encompasses the financial year spanning from June 2020 to May 2021. Upholding our commitment to excellence, we persistently refine our carbon accounting methodology to align with industry best practices. Furthermore, we remain vigilant in ensuring the accuracy of our carbon emission inventory, promptly reflecting any structural changes that impact the scope or boundaries of our emissions profile. In the aftermath of such occurrences, we diligently recalibrate our baseline to maintain a consistent and transparent approach, accurately portraying our ongoing decarbonization journey.

	2021 tCO2e
Scope 1	**114.79**
Natural Gas (kWh)	2.17
Diesel (L)	112.62
Scope 2	**2.00**
Electricity (kWh)	2.00
Scope 3	**28.03**
Cars - Average Diesel (miles)	22.81
Cars - Average Petrol (miles)	5.22
Gross Emissions	**144.82**

3. Reduction Targets and Timelines

3.1 Short-Term Targets

As we embark on our journey towards decarbonisation, our foremost milestone is to attain net zero carbon emissions by 2030, targeting both Scope 1 and Scope 2 emissions. This encompasses a comprehensive approach, addressing emissions originating from various facets of our operations.

Specifically, we aim to minimize carbon footprints stemming from our offices, ensuring that our workplace environments align with sustainable practices. Additionally, we are committed to transitioning our vehicle fleet to low-carbon or zero-emission alternatives, thereby reducing emissions associated with transportation. Furthermore, we are actively working towards curbing direct fuel consumption on both operational and construction sites, implementing measures to enhance energy efficiency and promote cleaner fuel alternatives. This milestone reflects our unwavering dedication to mitigating climate change and fostering a more sustainable future for generations to come.

4. Action Plan

As an ISO 14001 certified organisation, environmental and energy management are integrated into our business management system and business processes, which governs our service delivery.

4.1 Energy Efficiency

1. **Implementing Energy-Efficient Technologies:**
    - Upgrade lighting systems to energy-efficient LED fixtures.
    - Install motion sensors or smart lighting controls to reduce unnecessary energy consumption.
    - Retrofit HVAC systems with energy-efficient models and optimize their performance through regular maintenance.
    - Implement building automation systems to monitor and control energy usage more effectively.
    - Replace outdated appliances and equipment with energy-efficient alternatives.
    - Utilise energy-efficient computers and other office equipment to reduce energy consumption in the workplace.
    - Insulate buildings properly to minimize heat loss in winter and reduce the need for excessive heating.
2. **Conducting Energy Audits:**
    - Conduct comprehensive energy audits to identify areas of energy waste and inefficiency.
    - Analyse energy consumption patterns and identify opportunities for optimisation.
    - Prioritise energy-saving measures based on the findings of the energy audit.
    - Engage employees and stakeholders in the energy audit process to foster a culture of energy conservation and efficiency.
    - Regularly review and update energy audit findings to track progress and identify new opportunities for improvement.

3. **Investing in Renewable Energy Sources:**
    - Explore opportunities for wind energy generation, especially in areas with suitable wind conditions.
    - Consider investing in on-site renewable energy technologies such as solar water heaters or geothermal heat pumps.
    - Purchase renewable energy certificates (RECs) to offset carbon emissions associated with electricity consumption.
    - Partner with renewable energy developers to invest in off-site renewable energy projects through power purchase agreements (PPAs).
    - Educate employees and stakeholders about the benefits of renewable energy and encourage their support for renewable energy initiatives.

4.2 Transportation

1. **Promoting Sustainable Commuting Options:**
    - Implement a commuter benefits program that provides incentives for using sustainable transportation options such as public transit, biking, walking, or carpooling.
    - Provide on-site amenities such as bike storage, showers, and changing facilities to encourage employees to bike or walk to work.
    - Organize commuter challenges or events to promote sustainable commuting habits and raise awareness about the environmental benefits.
2. **Switching to Electric or Hybrid Vehicles:**
    - Replace conventional fleet vehicles with electric or hybrid models to reduce emissions and lower fuel costs.
    - Install charging stations at workplace parking facilities to support employees who drive electric vehicles.
    - Provide incentives or subsidies for employees to purchase or lease electric or hybrid vehicles.
    - Partner with local government incentives or programs aimed at promoting the adoption of electric vehicles.
    - Collaborate with vehicle manufacturers or leasing companies to explore fleet electrification options and financing solutions.
3. **Optimising Transportation Routes:**
    - Utilise route optimisation software to plan more efficient delivery or transportation routes, reducing fuel consumption and emissions.

- Consolidate shipments or deliveries to minimize the number of vehicles on the road and maximize efficiency.
- Implement real-time tracking and monitoring systems to identify and address inefficiencies in transportation routes promptly.
- Collaborate with suppliers, distributors, and logistics partners to streamline transportation processes and reduce environmental impact collectively.

4.3 Waste Management

1. **Reducing Single-Use Plastics:**
    - Provide employees with reusable water bottles and coffee mugs.
    - Educate employees and customers about the environmental impact of single-use plastics and promote sustainable alternatives through awareness campaigns and signage.
2. **Implementing Waste Segregation Programs:**
    - Provide clearly labelled bins for recycling, composting, and landfill waste in prominent locations throughout the workplace.
    - Educate employees about the importance of waste segregation and provide training on how to properly dispose of different types of waste.
    - Monitor and track waste generation and diversion rates to evaluate the effectiveness of segregation programs and identify areas for improvement.
3. **Collaborating with Waste Management Companies:**
    - Establish partnerships with waste management companies to develop customized waste management solutions tailored to the organisation's needs.
    - Arrange for regular waste collection and recycling services to ensure timely and proper disposal of waste materials.
    - Explore opportunities for waste-to-energy projects or other innovative waste management technologies in collaboration with waste management companies.

Declaration

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 and uses the appropriate Government emission conversion factors for greenhouse gas company reporting. Scope 1 and 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 approved by the Managing Director at Synergize.

Mark Loftus

Managing Director