Carbon Reduction Plan

Net Zero By 2045

Version & Policy Number	Version 2
Guardian	Compliance
Date Produced	May 2022
Recent Review	May 2024
Next Review	May 2025
Approved By Directors	May 2022

CONTENT

1.0 Commitment to Net Zero 2045

Our organisation is dedicated to achieving Net Zero greenhouse gases (GHG) by 2045, aligning with global efforts to combat the dangerous impacts of climate change. This commitment is embedded in our strategic Carbon Reduction Plan and involves a comprehensive approach across all aspects of our operations.

Achieving Net Zero by 2045 requires a steadfast commitment and continuous improvement. Our long-term vision includes not only meeting this goal but also contributing to a sustainable future for all. We aim to be a leader in sustainability, inspiring others to take similar actions and collectively drive positive change for the planet.

Fieldway (as a minimum) recognises its obligations under the following acts:

- The Climate Change Act 2008
- The Climate Change and Sustainable Energy Act 2006
- The Waste and Emissions Trading Act 2003
- The Environment Act 2021
- The Clean Air Act 1993

1.1 Fieldway Environmental Policy Statement

We recognise that our procurement of construction industry related equipment, electrical and fire safety related equipment, and installation and maintenance activities have an impact on the environment – both directly at our Huyton office and through our work on customers' sites.

It is the policy of the Company to aim for continuous improvement in its environmental performance, and where possible to take action to prevent pollution at the source, taking into consideration business objectives, employees and the local community.

In particular the Company will:

1) Meet and where appropriate, exceed the requirements of all relevant legislation, and where no regulations exist, we shall set appropriate standards.

2) Establish objectives and programmes for the reduction and control of air emissions, discharges to trade effluent, discharges to land, waste disposal, energy and water use.

3) Increase the proportion of waste materials that are re-used and re-cycled.

4) Implement systems for environmental control and improvement, which include the clear definition of responsibilities and objectives.

5) Maintain the necessary procedures to deal promptly and effectively with any environmental emergencies.

6) Ensure that our installation and maintenance work minimise the impact on the environment.

7) Ensure that the local community, and interested parties, are kept informed with relevant information.

8) Train relevant staff in environmental matters to enable them to participate in the above controls.

9) Review suppliers to ensure they meet acceptable environmental standards and that they supply from sustainable sources where possible.

10) Comply with the objectives and targets set in under our Environmental Management System (EMS) policies and procedures.

2.0 Recording Carbon Emissions

Monitoring and recording our carbon emissions is a multi-step process that involves identifying, measuring, recording, and reporting GHG emission from various sources within our organisation. We then identify and categorise the emissions by Scope:

- Scope 1: Direct emissions from owned or controlled sources
- Scope 2: Indirect emissions from the generation of purchased energy
- Scope 3: All other indirect emission that occur within an organisation's value chain

A summary report is generated by our Compliance department listing the relevant information including the reporting period, the amount (tCO2e) of emissions created within said period, measured CO2 for each scope, and key highlights of significant improvements and reduction initiatives.

2.1 tCO2e Statistics

EMISSIONS 2022	**TOTAL (tCO_2e/year)**
Scope 1	**138.74**
Scope 2	**6.82**
Scope 3	**76.62**
Total Emissions	**222.18**

EMISSIONS 2023	**TOTAL (tCO_2e/year)**
Scope 1	**129.03**

Scope 2	**5.92**
Scope 3	**72.79**
Total Emissions	**207.74**

We achieved a total reduction in our CO2 emissions by 6.49% between 2022 and 2023, and continue to employ measures to achieve further reduction.

2.2 Supporting Documentation

2.2.1 Methodology

Creating a detailed methodology for carbon emission calculations ensures transparency, consistency, and accuracy in reporting. Fieldway generate a thorough description of all methods and assumptions employed in calculating our annual carbon emissions.

2.2.2 Emission Factors

Sources of emission factors refer to the origin or the authority from which the emission factors are obtained. Emission factors are coefficients that quantify the emissions per unit of activity or input, such as the amount of CO2 emitted per gallon of diesel burned or per kilowatt-hour of electricity consumed.

The sources of these factors are reputable organisations that conduct extensive research and data collection to provide standardised values.

The Department for Environment, Food & Rural Affairs (DEFRA) – DEFRA publishes annual GHG conversion factors for various activities, which are widely used in the UK and internationally.

Intergovernmental Panel on Climate Change (IPCC) – IPCC publishes guidelines for national GHG inventories, including emission factors, in their reports. These guidelines are used by countries worldwide to compile their greenhouse gases inventories.

International Energy Agency (IEA) – IEA provides data and statistics on energy consumption and related emissions, which include emission factors for various energy sources.

Our Compliance department cross-references carbon emission calculations across units of measurements provided by all three organisations to ensure our tCO2e is accurate for each recorded period of carbon output.

2.2.3 Data Sources

It is crucial to use reliable and accurate data sources as supporting documentation. These data sources provide the evidence needed to verify emissions calculations, track progress, and validate the effectiveness of reduction strategies.

Data sources we use to measure and track carbon emissions include, but is not limited to:

Utility Bills – We maintain detailed and categorised records of our company usage concerning electricity, gas, water, and other energy consumption. We use the regular supply of this information to build up an average usage for each energy source.

Fuel Receipts – Our operatives, when undertaking company related travel, keep records and receipts of fuel purchases for their vehicles and any company-owned vehicles they may be using. Any equipment requiring fuel is also issued a receipt for record. The receipt includes: dates, quantities, and types of fuel purchased.

Meter Readings – We conduct regular readings for our energy meter located at our head office in Huyton. This is enforced as an extra step to ensure our bills are correct and reflecting an accurate account of our energy usage.

Employee Surveys – We encourage our employees to fill out surveys as an additional form of data collection. We ask them to document their commuting patterns, mode of transportation, and distances travelled. We compare their answers on a company-wide basis. We therefore make informed recommendations on greener travel options, which create less GHG.

Waste Disposal Receipts – Fieldway hold a Waste Carrier License that enables us to remove and dispose of our own waste. For each visit we make to the appropriate waste disposal location, we collect a receipt recording the quantities and types of waste disposed of.

Purchase Orders/Receipts – We record documentation of goods and services purchased in the name of/for the company. This can be used to assess and calculated embedded and indirect emissions.

Feasibility Study Reports – As electrical and lighting specialists, we conduct our own feasibility studies on an annual basis. Results are recorded and any recommended actions are implemented to ensure we increase our energy efficiency.

2.2.4 Third Party Verification

We have a fully implemented Environmental Management System (EMS) which has been externally accredited to ISO14001. Their requirement for continuous improvement ensures we are always seeking ways to enhance our environmental performance.

ISO14001 is an internationally recognised standard for EMS. It provides a framework that supports Fieldway in our effort to manage and reduce our environmental impact, including reducing our carbon emissions.

To achieve our ISO14001 certification, we have undergone UKAS audits that verified our EMS meets all industry requirements and standards.

2.3 Implemented Reduction Measures

2.3.1 Vehicle Management – The usage of our vehicles to make deliveries and attend site is a contributing factor to our tCO2e output. Therefore, we have implemented initiatives to minimise this wherever possible.

We use a 'buddying-up' system to ensure staff travelling to the same location do so in the same vehicle, reducing usage and CO2.

All deliveries are made to our stores and collected by a single vehicle before travelling to site. This ensures that for multiple jobs, only one delivery is being made which reduces our carbon footprint by minimising site deliveries.

2.3.2 Supply Chain Management – We evaluate the environmental sustainability of the organisation, the products and also the suppliers own supply chain. As a minimum, we ensure that suppliers have an Environmental Policy, monitor their environmental performance, comply with environmental requirements, and ensure the same standards throughout their own supply chain. We monitor this with annual audits.

We use local supply chain members where possible to deliver localised services and reduce CO2 output created by unnecessary travel.

We analyse any materials we intend to purchase for longevity and quality, using lifecycle analysis. We often make the decision to purchase higher priced and quality products initially, knowing they will last longer comparatively and will not require replacement for the foreseeable future. This reduces the creation of additional waste materials in the long-term.

2.3.3 Waste Targets – We set ourselves clear targets and objectives around the management of waste, developed by analysing contract benchmarking to identify trends and highlight areas of improvement. This includes:

- Divert more than 99% of waste from landfill
- Vet 100% of supply chains/suncontractors to assess their waste management policies
- Reduce amount of paper used within the business by 15% per year

2.3.4 Local Recruitment – By hiring locally, employees generally commute shorter distances to our head office in Huyton, reducing transportation-related emissions. This is especially significant if employees can walk, bike, or use public transportation instead of driving long distances. We have installed a work-place, accessible shower at our head office to encourage and facilitate such alternatives.

3.0 Recording and Reducing Energy Usage

Tracking, monitoring, and recording our energy usage is essential to calculating our total carbon emission output each year. Categorised as a Scope 2 contribution, our energy usage is generated as an indirect result of Fieldway undertaking "purchasing" energy to facilitate our everyday needs as a business – providing light, heat and power for the running of our office.

3.1 Tracking – We employ the use of an advanced smart meter to measure and monitor our energy use. The meter records how much energy is used every 30

minutes, analysing and reporting on energy-use patterns and trends throughout the day. This allows us to identify when our energy out put is at its highest, understand the cause, and implement measures to reduce the output going forward.

Each month our meter readings are reviewed by our Compliance department in comparison to previous statistics to ensure we are on track to meet our reduction in carbon emissions by 5% year on year.

3.2 Reducing CO2 Output – As a company who specialises in electrical, as well as fire safety services, we are uniquely positioned to understand what measures are required to reduce our energy consumption and undertake their implementation when possible.

We have replaced our whole building's lighting system with LED fittings, installed to provide a well-lit area while promoting energy efficiency. We ensure that all lights are switched off when not in use to further reduce energy consumption.

Our heating systems undergo regular maintenance to ensure they are performing efficiently. Planned preventative maintenance also guarantees cost savings in the long term by preventing the occurrence of major damage or issue. To limit our reliance on the heating systems and reduce energy consumption we have installed a number of sustainable measures to improve our office's CO2 output. Double glazed windows and insulation within walls, floors and roofs have reduced the need and demand for heating across the office.

4.0 Recording and Reducing Fuel Usage

Tracking, monitoring, and recording our fuel usage is essential to calculating our total carbon emission output each year. Categorised as a Scope 1 contribution, our fuel usage is generated as a direct result of our company-owned fleet of vehicles burning fuel through travel.

4.1 Tracking – We track and record our fuel consumption using manual measures such as fuel logs, invoices and receipts as well as telematics devices for digital collection of data. The telematics device retrieves and holds data generated by the vehicle including GPS position, speed, engine light information and faults.

4.2 Reducing CO2 Output – Manually collected data helps us to identify drivers who consistently have high rates of fuel usage. To reinforce the importance of reducing our CO2 output, our staff undergo regular training on fuel-efficient driving practices – reminding them to practice smooth driving, observe speed limits, using cruise control, and reduce idling. These combined limits excessive fuel usage for the same distances travelled.

We use the telematics information to analyse routes travelled against fuel used to identify the most efficient avenues for repeated journeys i.e deliveries to and from stores facilities.

We are encouraging and implementing the use of electric vehicles into our organisation by installing chargers at our head office. Electric vehicles offer better fuel efficiency and lower emissions compared to conventional vehicles.

5.0 Waste Creation and Management

Fieldway ensures that all waste generated by our construction-related activities is managed and disposed of in strict compliance with current environmental regulations, our EMS, and in accordance of our Waste Carriers License outline.

Site-specific waste management plans are tailored for each individual contract, emphasising sustainability and recycling above all else.

All vehicles operated by our staff are licensed waste carriers. Waste generated during our operations is promptly removed, and transported to local waste disposal partners. A waste receipt is obtained for each disposal as proof of responsible waste management and to track the qualities and types of waste we are disposing of.

Our waste management approach focuses on:

- ➢Innovating processes to minimise waste creation
- ➢Reducing waste produced
- ➢Reusing materials where feasible
- ➢Recycling
- ➢Ensuring environmentally friendly disposal methods

In instances where waste cannot be reused or recycled, we collaborate with local organisations to ensure sustainable waste management practices.

5.1 Hazardous Waste – Regarding hazardous materials and Waste Electrical and Electronic Equipment (WEEE), Fieldway prioritises the use of recyclable materials in our operations.

Hazardous materials such as batteries and fluorescent light tubes are segregated from general waste. WEEE waste is further categorised into hazardous and non-hazardous types, each placed in designated containers.

Non-hazardous waste is sent to SME partners for reuse and recycling, while hazardous materials (including batteries) is transported to certified suppliers for safe disposal.

Certificates confirming proper disposal are obtained upon completion of disposal procedures.

6.0 Future Reduction Strategies

As part of our horizon scanning ethos, we look to the future in all things regarding our company. This includes planning ahead for the implementation of reduction strategies, to continuously reduce our carbon footprint and tCO2e output.

6.1. Electric and Hybrid Vehicles – Following our recent investment into a new fleet of company vans, we are now directing our vehicle purchases towards greener alternatives. This will include electric and hybrid vehicles, reducing/eliminating our reliance on fuel. We have charging ports located at our head office in Huyton, to accommodate any electric vehicles and encourage our staff to consider switching to electric or hybrid cars.

6.2 Renewable Energy – We are taking steps to transition towards renewable energy. This will include the installation or solar panels at our head office in Huyton. Sunshine is absorbed by PV cells in the solar panel, generating energy which can be used to power various things. This will reduce our reliance on traditional energy sources, and reduce our carbon footprint.

6.3 Sustainable Land Use – We will promote agroforestry across the land near our head office, to offset our energy usage and improve the local environment via carbon sequestration. Trees and perennial vegetation absorb CO2 from the atmosphere during photosynthesis and store it in biomass (trunks, branches, leaves, roots) and in the soil.

6.4 Environmentally Friendly Equipment – We are currently researching innovative, eco-friendly fire safety equipment for potential inclusion in our service delivery. De-isonised water mist fire extinguishers can tackle a wide range of fires without the need for chemicals that negatively impact the environment.

We are also looking to prioritise cardboard packaging for our products, reducing the presence of plastics in our service delivery by at least 5% year on year.

NB: The above policy is issued for guidance and is not contractually binding on the part of Fieldway Supplies Ltd

Signed

Tony Carden
Managing Director