



Geosmart Information Ltd

Carbon Reporting and Reduction Plan

Baseline year 2024-25

Current reporting year July 2024 – June 2025.

Contents

1.	Introduction	2
2.	Scope 1, 2 and 3 Emissions Definitions	3
3.	Carbon impact for the baseline year 2024/25	4
3.1	Carbon emissions by source	4
4.	Carbon impact for the current reporting year 2024/25	5
4.1	Carbon emissions by source.	5
5.	Carbon Assessment Observations	6
6.	Carbon Reduction Commitments /Actions	6
7.	Measurement	6
8.	Prioritise	8
9.	Carbon Reduction Trajectory and Action Plan	8
9.1	Reduction Trajectory	8
9.2	Action Plan and Assumptions used	9
10.	Audit	10
11.	Offsetting	11
12.	Declaration	12

1. Introduction

Geosmart Information Ltd has committed to reducing its carbon emission to Net Zero by 2050, using direct emissions reduction as far as possible.

We do this because we are conscious of the environmental, social and economic imperative to act on climate change.

The UK Government amended the Climate Change Act 2008 in 2019 by introducing a target of at least 100% reduction in the net UK carbon account (i.e. a reduction of greenhouse gas emissions when compared to 1990 levels) by 2050. As a result, Central Government Departments, their Executive Agencies and Non-Departmental Public Bodies are required to ensure that suppliers to contracts with an annual value of in excess of £5 million (excluding VAT) per year are committed to achieving “Net Zero by 2050” for all procurements after 30th September 2021. However, in April 2024, that £5m threshold was removed, and carbon reporting became mandatory for all suppliers.

This has led to PPN 06/21 which applies to all new procurements from this date and this includes framework call-offs and Dynamic Purchasing Systems where the anticipated individual value of the call-off or DPS is £5 million (excluding VAT) per annum or more. To demonstrate compliance, we have set out our environmental management measures in our Carbon Reduction Plan which includes:

- Confirming our commitment to achieving Net Zero by 2050 for our UK operations.
- Details of our carbon footprint/current emissions for the sources included in Scope 1 and 2 of the GHG Protocol and the relevant Scope 3 emissions as defined by PPN 006.
- Providing emissions reporting of the CO₂e (Carbon Dioxide Equivalent) for the greenhouse gases covered by the Kyoto Protocol (predominantly carbon dioxide, methane and nitrous oxide).
- Setting out the environmental management measures we have adopted including specific carbon reduction measures.
- Publication of our Carbon Reduction Plan on our website.

2. Scope 1, 2 and 3 Emissions Definitions

Scope 1 Direct Emissions - these are direct greenhouse gas emissions that occur from sources that are controlled or owned by us (e.g. emissions from boilers, vehicles etc).

Scope 2 Energy Indirect Emissions - these are indirect greenhouse gas emissions associated from the purchase of electricity, heating or cooling and are measured and reported in alignment with our energy use.

Scope 3 Other Indirect Emissions - these fall into 15 categories and include all sources not specified within Scopes 1 and 2 above. The Scope 3 emissions that we are required to report on are:

- **“Upstream” transportation and distribution** of products purchased by us from Tier 1 suppliers (e.g. office consumables).
- **Disposal and treatment of waste** generated in facilities not owned or controlled by us.
- **Transportation of employees for business related activities** in vehicles not owned or operated by us.
- **Transportation of employees between home and work** in vehicles not owned or operated by us including in their own vehicles.
- **“Downstream” transportation and distribution** of products sold by us including retail and storage. This category is not applicable as Geosmart Information is a service business and does not produce, transport or distribute products.

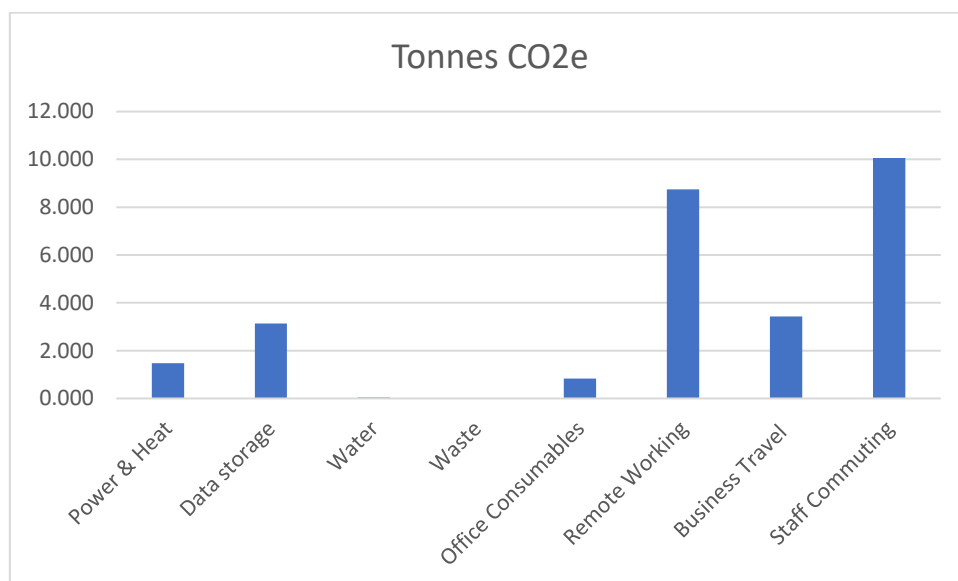
3. Carbon impact for the baseline year 2024/25

The tables below show our carbon footprint in our baseline year July 2024 to June 2025, when we first started measuring our emissions.

Baseline Year:	2024/25
Baseline Emissions Calculations:	All Scopes – tonnes CO2e/ year
Scope 1 CO2e:	0
Scope 2 CO2e:	1.47
Scope 3 CO2e (included sources):	26.24
Total Emissions:	27.71

3.1 Carbon emissions by source

Source	Scope	Tonnes CO2e
Electricity	2	1.47
Water	3	0.04
Waste	3	0.002
Office consumables	3	0.83
Offsite Data Services	3	3.13
Staff Commuting	3	10.05
Homeworking	3	8.75
Business Travel	3	3.43
Total		27.71



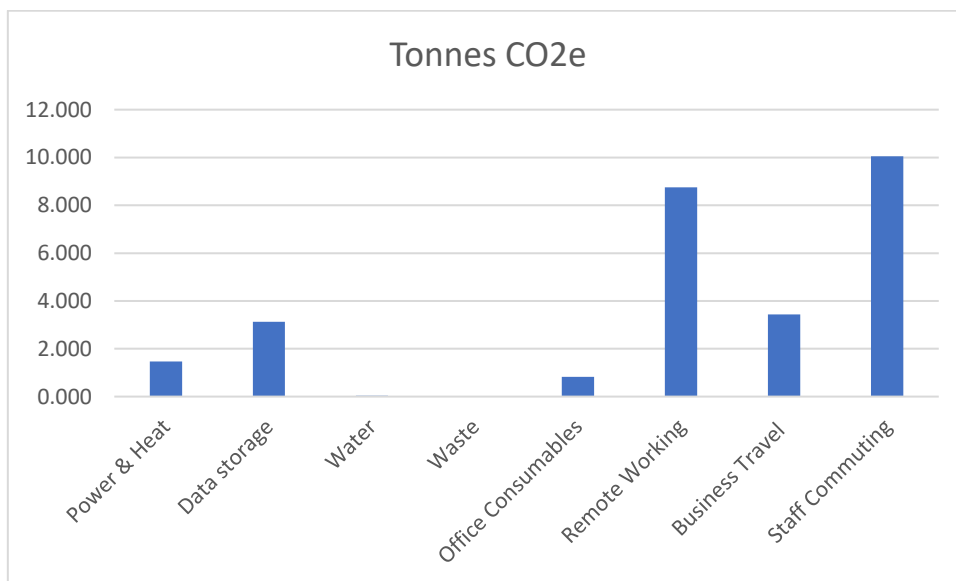
4. Carbon impact for the current reporting year 2024/25

The tables below show our carbon footprint in our current reporting year **July 2024 to June 2025**

Baseline Year:	2024/25
Baseline Emissions Calculations:	All Scopes – tonnes CO2e/ year
Scope 1 CO2e:	0
Scope 2 CO2e:	1.47
Scope 3 CO2e (included sources):	26.24
Total Emissions:	27.71

4.1 Carbon emissions by source.

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5. Carbon Assessment Observations

Geosmart Information currently operates from offices in a historic building Shrewsbury town centre, although the company plans to move to new premises during 2026. The following observations were made by an external assessor in January 2026:

- The business is currently located a range of poorly-performing, energy inefficient rooms in a historic building in Shrewsbury Town Centre. The rooms are rated D, E and E respectively in current EPC certificates (completed in 2022).
- The company is planning to move to new premises during 2026 and this is likely to provide opportunities for improved energy efficiency and emissions reduction from heating.
- Due to the nature of the business, its use of offsite data processing and storage is extensive, and this currently makes a significant contribution to its carbon emissions.
- Staff commuting represents the most significant current source of carbon emissions. Of 23 office-based staff, 14 (61%) walk or cycle to work. However 8 staff (35%) travel by car and one person by bus.
- In addition to office-based staff, the company employs 6 remote working staff and provides for homeworking by other staff. Home energy consumption and office consumables for these staff represent the second-highest source of carbon emissions.

6. Carbon Reduction Commitments /Actions

Geosmart Information is committed to achieving Net Zero by 2050 and as part of this commitment, has an interim targets of reducing emissions by 2030, 2035, 2040 and 2045. This plan is reviewed annually by the Directors to check progress and establish if changes should be made to the actions we have in place to maximise our reduction in carbon emissions.

The basis of our Carbon strategy is one of **Measure – Prioritise – Act – Measure – Repeat**.

7. Measurement

We report on the sources of environmental impact over which we have operational control and calculate our carbon footprint monthly, in accordance with the Greenhouse Gas (GHG) Protocols Corporate Standard and report against the Kyoto Protocol greenhouse gasses in terms of:

*Geosmart Information Ltd:
Carbon Reporting and Reduction Plan 2024-25*

- Actual targets – absolute reduction targets which compare actual figures in the target year to those in the base year.
- Intensity targets – based on a normalising factor.

We subscribe to a third-party service to manage our data inputs, conduct the required calculations, set and record our intensity metrics, and provide annual carbon reporting. The data that sits behind this is the UK Government Greenhouse Gas reporting database, updated when appropriate.

This provides us with our emissions by source, and total annual emissions, sets our intensity metrics and demonstrates our progress.

Our chosen intensity metrics are tonnes CO²e per employee.

For the current year therefore, our **Carbon Intensity** is:

Carbon Intensity (tonne CO ₂ e per employee)
0.95 t/employee

This is slightly higher than the UK average for Professional, scientific and technical activities which was 0.6 t/employee in 2023 (ONS 2025).

Our base year for all measurements is Financial Year 2024-25. This will not change unless there is a significant change to our company structure (e.g. a merger or acquisition) or a change in the company's ownership, in which case the base year may move to the reporting year following the structural change.

Specific inputs and output used to calculate figures quoted in our Carbon Reduction Plan include:

- Electricity for power, lighting and heating
- Water supply and waste water
- Employee commuter mileage by type – walk / cycle / motorcycle / car / bus / train
- Business travel by private car / bus / rail
- Office consumables including paper and printer ink
- Waste and recycling
- Offsite data storage and processing
- Remote working by company staff

Conversion Factors

The conversion factors used throughout are the ‘2025 UK Government Greenhouse Gas Conversion Factors for Company Reporting’ (DESNZ 2025) as applied to measured data, with the exception of the following:

- GHG emissions from offsite data storage and processing have been calculated by applying the industry standard performance factor for energy consumption of 0.1 kWh/Gb of data to calculate energy consumption and then applying the 2025 UK Government factor for grid electricity to calculate emissions
- In the absence of complete data (due to the use of shared facilities) GHG emissions for water have been calculated using average UK consumption per employee of 15 litres per employee per day and then applying the relevant 2025 UK Government factor to calculate emissions

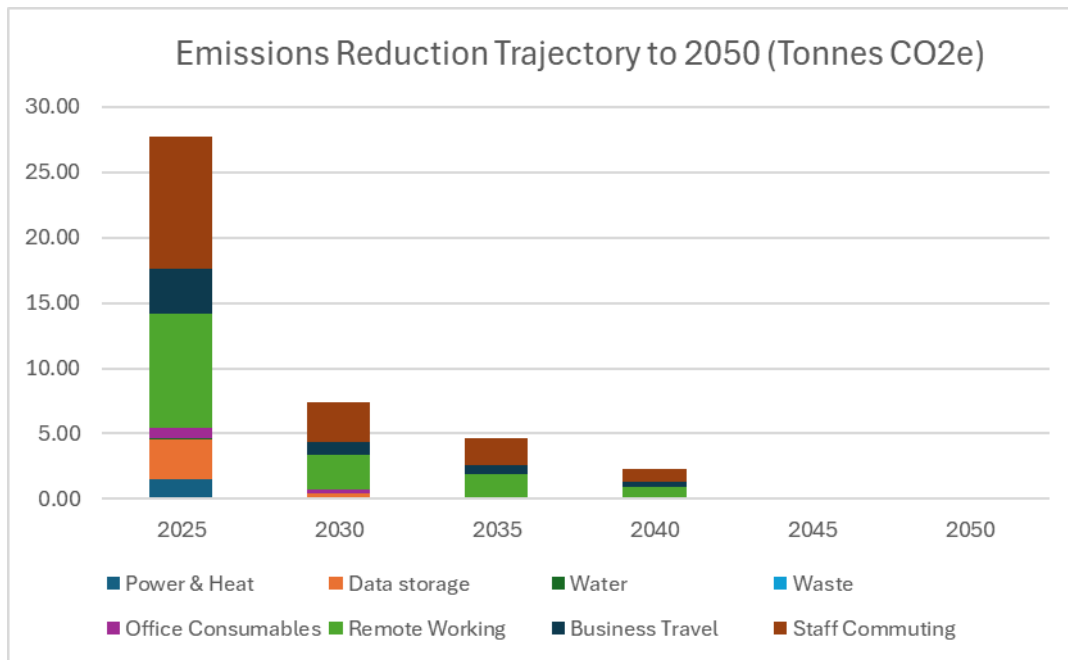
8. Prioritise

Our annual carbon calculation has enabled us to identify the largest sources of GHG emissions, and to focus our areas of impact. That does not imply however that we are not implementing actions across the board. We have been able to identify quick and easy wins which relate to relatively low-impact areas whilst also implementing longer term multi-facet strategies for the larger emission areas.

9. Carbon Reduction Trajectory and Action Plan

9.1 Reduction Trajectory

	2025	2030	2035	2040	2045	2050
Power & Heat	1.47	0.15	0	0	0	0
Data storage	3.13	0.31	0	0	0	0
Water	0.04	0	0	0	0	0
Waste	0.00	0	0	0	0	0
Office Consumables	0.83	0.25	0.17	0.08	0	0
Remote Working	8.75	2.62	1.75	0.87	0	0
Business Travel	3.43	1.03	0.69	0.34	0	0
Staff Commuting	10.05	3.02	2.01	1.01	0	0
TOTAL	27.71	7.38	4.61	2.31	0	0



9.2 Action Plan and Assumptions used

Electricity

Electricity, whilst not one of our highest sources of carbon emissions, is currently used for both heating and power a significant operating cost and does have a carbon emissions associated with it. The UK Government has targeted the complete decarbonisation of UK electricity by 2030, and our trajectory reflects that policy, albeit with a more cautious approach.

We will nevertheless target energy efficiency measures, as both a carbon and a cost saving measure:

1. **Lighting use** – we will conduct an ongoing campaign to encourage users to turn off lights when not required or rooms are not in use. Otherwise, install further proximity controls or timers to lighting.
2. **Lighting type** – Make it policy to only replace failed units with the lowest energy types available, currently LED.
3. **IT equipment** - make it policy that all IT equipment is turned off (not stand-by) when not in use – lunchbreaks, meetings and out of hours. Otherwise, configure the technology to do this automatically.
4. **Heating controls** – we will ensure that the office heating controls are optimised so as not to overheat or heat when unoccupied. We will ensure that key staff are proficient in the use of heating controls.

Data Storage

Geosmart Information works in a 'data dense' sector and is reliant on offsite services for data processing and storage. We will encourage data efficiency measures and will seek further information from our service providers about their actual carbon performance as well as exploring whether alternative low carbon alternatives are available. Our trajectory assumes a 90% reduction in emissions by 2030, with net-zero performance by 2035.

Office consumables, Water and Waste

The emissions for water and waste are negligible. We will encourage efficiency measures to reduce the consumption of office consumables, particularly paper and ink and will explore the availability of low carbon alternatives with suppliers. Our trajectory assumes a 90% reduction in emissions by 2030, with net-zero performance by 2045.

Remote Working

Our assumption is that our staff will decarbonise their home energy over time, through energy reduction measures and by progressively moving away from the use of fossil fuels through new technology and the adoption of a low carbon tariff. Staff will also be encouraged to adopt at home the energy efficiency measures set out under 'electricity' above. Our trajectory assumes a gradual improvement as part of an organic shift away from fossil fuel to electric power, complete by 2045.

Business Travel

Our trajectory assumes an organic shift away from fossil fuel to electric power for business travel, complete by 2045.

Staff Commuting

Although most office-based staff already walk or cycle to work, for Geosmart Information, commuting currently represents our greatest carbon impact. Our trajectory assumes that the remaining staff will adopt an organic shift away from fossil fuel to electric power, complete by 2045.

Carbon Literacy Training

Many of the actions which are needed to improve the carbon performance of the business rely on staff behaviour, both at work and at home (see above). Geosmart Information will support its staff to improve their knowledge and confidence in taking action on carbon emissions by exploring the provision of accredited Carbon Literacy Training.

10. Audit

Whilst not compulsory, we have committed to an annual audit of our carbon data reporting, by an independent third party.

11. Offsetting

Offsetting our emissions is an option for us, and one that we will explore further. We appreciate that offsetting will not impact of the gross carbon emission figures we are required to report, but it may play a role in achieving net-zero in the longer term.

Whilst carbon offsetting is currently an unregulated market, and has suffered some negative publicity due to exaggerated claims on carbon savings, we will take expert guidance to identify a credible science-based and verifiable carbon offsetting scheme. We note that the UK market has relatively little capacity at present, we note that there may be future potential to invest in local schemes in Shropshire such as the manufacture of biochar, which can be used to capture and store carbon in a stable form as well as providing a range of co-benefits including the mitigation of existing environmental challenges and local economic growth

12. Declaration

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans, the GHG Reporting Protocol Corporate Standard and we use 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.

We confirm this Carbon Reduction Plan is reviewed and signed off at board level on an annual basis and is available on the home page of our website.

Signature: _____
Name: Markster
Job Title/Designation (must be a director or equivalent): Director and
Date: 10/2/26
Chief Executive
