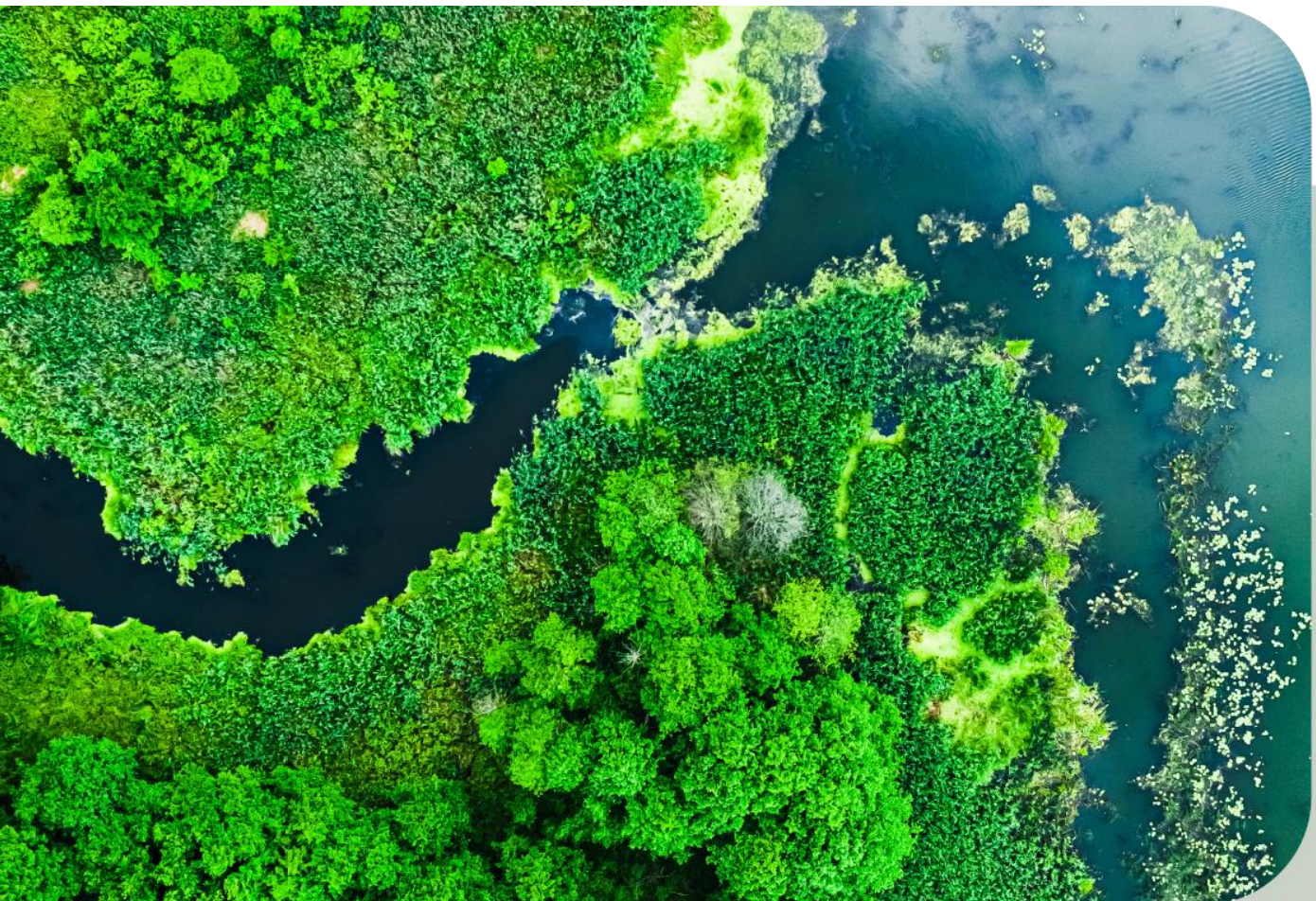


# Streamlined Energy and Carbon Report (SECR)

## T.S.G. Building Services PLC

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13 January 2025, version 1.0



# 1 Document Control

Paper copies are valid only on the day they are printed. Contact the author if you are in any doubt about the accuracy of this document.

## 1.1 Revision History

Date	Version	Description	Author
13/01/2025	1.0	Final Report	Sophie Legg

## 1.2 Contact Information

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## 1.3 Quality Control

	Name	Role	Date
<b>Prepared by:</b>	Sophie Legg	Energy Services Analyst	13/01/2025
<b>Proofread by:</b>	Nora Szigethi	Energy Services Analyst	13/01/2025
<b>Checked by:</b>	Natalia Block	Analytics Consultant	10/01/2025

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Estimates of costs and savings are based on site observations, published case studies, technical references, and professional experience. They should be regarded with caution, and recommendations are subject to detailed feasibility studies. Nothing in this report is intended to be or should be interpreted as an endorsement of, or recommendation for, any supplier, service, or product.

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## 2 Summary

The Streamlined Energy and Carbon Reporting framework (SECR), which came into effect on 1 April 2019, was introduced to bring the benefits of carbon and energy reporting to many more UK businesses.

### Who needs to comply with SECR?

Approximately 11,900 organisations across the UK will need to comply with SECR and report their energy consumption and carbon emissions in their annual financial report. The scheme sets out to support companies to cut costs, improve productivity and reduce carbon emissions.

The businesses who will need to comply with SECR reporting requirements fall into the following groups:

1. Quoted companies of any size that are already obliged to report under mandatory greenhouse gas reporting regulations.
2. UK registered, unquoted companies incorporated in the UK that meet the definition of 'large' under the Companies Act 2006. This applies to registered and unregistered companies. Note that the criteria for 'large' differs from the ESOS Regulations.
3. 'Large' Limited Liability Partnerships (LLPs) who will be required to prepare and file an 'Energy and Carbon Report'

Unquoted companies or LLPs are defined as 'large' if they meet at least two of the following three criteria in a reporting year:

- a turnover of £36m or more;
- a balance sheet of £18m or more; or
- 250 employees or more.

Based on the understanding of T.S.G. Building Services PLC, you meet the criteria for SECR.

Section 7.3 of this report provides you with the mandatory information to be included in your annual report to Companies House.

## 3 Scope of SECR for T.S.G. Building Services PLC

### 3.1 SECR Report Coverage

1. Scope 1 – All Direct Emissions from the activities of T.S.G. Building Services PLC or under their control. Including fuel combustion on site such as gas boilers, fleet vehicles and air-conditioning leaks.
2. Scope 2 – Indirect Emissions from electricity purchased and used by T.S.G. Building Services PLC. Also included are the generation or consumption of heat or steam. Emissions are created during the production of the energy and eventually used by T.S.G. Building Services PLC.
3. Scope 3 – Other indirect emissions, such as the extraction and production of purchased materials and fuels, transport-related activities in vehicles not owned or controlled by the reporting entity, electricity-related activities not covered in Scope 2, outsourced activities, waste disposal, etc.

#### Scope 1

- Natural Gas
- Company owned vehicles

#### Scope 2

- Building Electricity
- Electricity for Electric Vehicles

#### Scope 3

- Non-company-owned vehicles
- Business Travel

This SECR report will cover total CO<sub>2</sub>e for T.S.G. Building Services PLC for the period 01/01/2024 – 31/12/2024. This matches their financial year and reporting period on end of year accounts on Companies House.

## 4 Methodology

### 4.1 Carbon Emission Calculations

Carbon Emission Factors used in calculations are the 'Government conversion factors for company reporting of greenhouse gas emissions'.



Department for  
Energy Security  
& Net Zero



Department  
for Environment  
Food & Rural Affairs

Annual factors for 2024 published on 08/07/2024 have been used in the calculations of carbon emissions for this report.

In line with the scope of the SECR report, the data from the sources listed above were categorised into Scope 1, Scope 2 and Scope 3 emissions.

### 4.2 Data Collection and Estimation

All data was provided to TEAM by T.S.G. Building Services PLC in January 2025, and no estimation was necessary for the delivery of this report.

## 5 Results

TEAM have identified that between 01/01/2024 – 31/12/2024, T.S.G. Building Services PLC emitted 830 tonnes of CO<sub>2</sub>e (Carbon dioxide equivalent).

01/01/2024 – 31/12/2024	Scope 1	Scope 2	Scope 3	Total
<b>Tonnes of CO<sub>2</sub>e</b>	803	12	16	830
<b>Percentage</b>	97%	1%	2%	100%

Table 1: Summary of results for reporting year

### Total Emissions by Scope, tCO<sub>2</sub>e

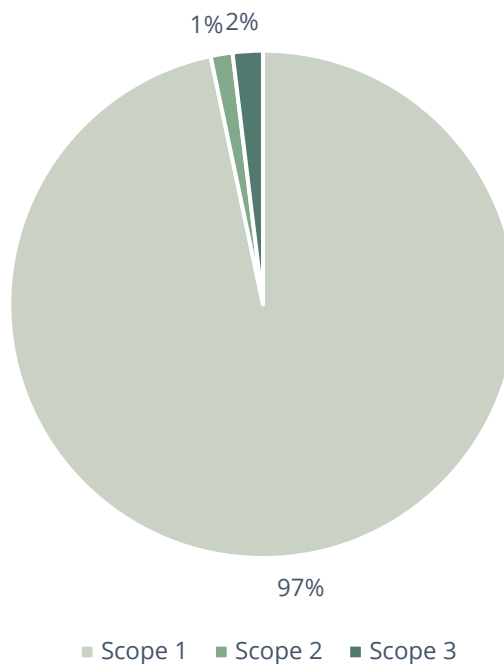


Figure 1: Total emissions by Scope for T.S.G. Building Services PLC for the financial year 01/01/2024 - 31/12/2024

The intensity measure variable that T.S.G. Building Services PLC is using for SECR is tonnes of CO<sub>2</sub>e per £100,000 turnover. This is because it is an easily trackable measure with direct correlation to the emissions of T.S.G. Building Services PLC.

Therefore, our findings conclude that between 01/01/2024 – 31/12/2024, T.S.G. Building Services PLC emitted 1.82 tonnes of CO<sub>2</sub>e per £100,000 turnover.

In the previous reporting period, T.S.G. Building Services PLC emitted 745 tonnes of CO<sub>2</sub>e.

01/04/2023 – 31/12/2023	Scope 1	Scope 2	Scope 3	Total
<b>Tonnes of CO<sub>2</sub>e</b>	720	9	16	745
<b>Percentage</b>	97%	1%	2%	100%

Table 2: Summary of results for the previous financial year

This therefore shows that T.S.G. Building Services PLC increased their emissions by 85.06 tonnes of CO<sub>2</sub>e between this reporting year and the previous reporting year. However, it should be noted that

due to a change in financial year, the previous financial year was 9 months long, whereas the most recent financial year was 12 months long, leading to a difference of 3 months which accounts in part for this increase in emissions.

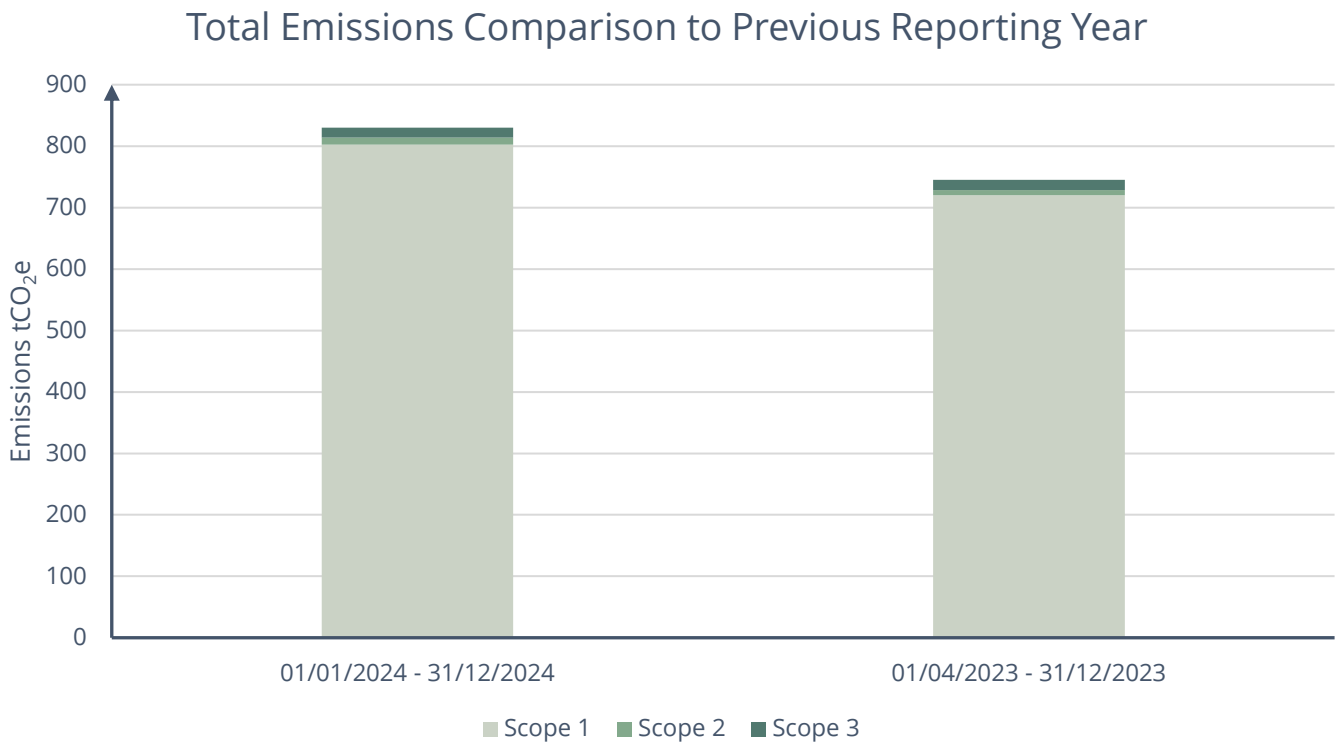


Figure 2: Total emissions difference between the current financial year and previous financial year.

Per £100,000 turnover, this represents an increase of 0.18 tonnes of CO<sub>2</sub>e between this reporting year and the previous reporting year. The intensity metric is normalised to account for the difference in length of financial year, however, may still be affected by it.

Between 01/01/2024 – 31/12/2024, the principal energy efficiency actions taken by T.S.G. Building Services PLC were:

- Installing Renewable Energy Technologies in both new build and refurbished properties, alongside commercial properties, i.e. leisure centres, including the following:
  - Cavity wall insulation
  - Loft insulation
  - Solar PV
  - Air source heat pumps
- Implemented an electric bike for staff to conduct site visits, i.e. conduct surveys, visit residents for pre-start meetings, client meetings, etc.
- Implemented energy efficient and environmentally friendly printers from HP across the business.
- Streamlined waste disposal to ensure reduction in landfill %.
- Switching a number of diesel vans for electric vans.
- Evaluation of energy efficient and correspondingly carbon reducing equipment, vehicles and plant throughout the organisation.
- Vehicle sharing and mileage reduction planning.
- Assessment and delivery of fuel-efficient vehicles.



## 6 Recommendations

TEAM recommend T.S.G. Building Services PLC continue to collect the data used in this SECR report on a monthly basis. This is to ensure the required data is available for the next submission in 12 months' time. By using the same data input methodology, it makes the data more meaningful as you would be comparing like for like results in the next SECR submission.

TEAM are able to work with you on a strategy for collating this data on a regular basis in order for the SECR report to be able to be compiled most efficiently for the next submission.

## 7 Appendix

### 7.1 Backing Data

Scope	Description	Unit	Total (12 months)	kWh	tCO <sub>2</sub> e
Scope 1	Natural Gas	kWh	13,572.00	13,572.00	2.48
Scope 1	Company-Owned Vehicles	litres	318,388.00	3,346,576.27	800.04
Scope 2	Building Electricity	kWh	46,122.00	46,122.00	9.55
Scope 2	Electricity for EVs	kWh	9,634.00	9,634.00	1.99
Scope 3	Non-Company-Owned Vehicles	miles	59,304.62	66,014.35	15.93

Table 3: Backing data for total emissions for the financial year 01/01/2024 - 31/12/2024

Intensity Ratio Name	Total for current year	Current year ratio	Difference from previous year
tCO <sub>2</sub> e/£100,000 turnover	455.23	1.823	0.182

Table 4: Backing data for intensity ratios for the financial year 01/01/2024 - 31/12/2024

### 7.2 Assumptions

- Transport data conversions assume all non-company-owned cars are average size cars of unknown fuel.

### 7.3 Mandatory Details Required to be Submitted on Annual Report

Information Required	Current Reporting Year UK and offshore [mandatory]	Previous Reporting Year UK and offshore [mandatory]
Energy consumption used to calculate emissions: /kWh [mandatory]- optional to provide separate figures for gas, electricity, transport fuel and other energy sources (taken from 7.1 Backing data)	Scope 1: Gas 13,572 kWh Scope 1: Company-Owned Vehicles 3,346,576 kWh Scope 2: Electricity 46,122 kWh Scope 2: Electricity for EVs 9,634 kWh Scope 3: Non-Company-Owned Vehicles 66,014 kWh Total: 3,481,919 kWh	Scope 1: Gas 13,041.0 kWh Scope 1: Company Vehicles 2,842,123.1 kWh  Scope 2: Electricity 37,037.3 kWh Scope 2: Electricity for EV Charging 4,103.6 kWh  Scope 3: Employee Vehicles 66,685.6 kWh  Total: 2,962,990.4 kWh
Emissions from combustion of gas (Scope 1) (taken from 7.1 Backing data)	2.48 tCO <sub>2</sub> e	2.4 tCO <sub>2</sub> e
Emissions from business travel in company owned vehicles (Scope 1) (taken from 7.1 Backing data)	800.04 tCO <sub>2</sub> e	717.9 tCO <sub>2</sub> e
Emissions from purchased electricity (Scope 2, location-based) (taken from 7.1 Backing data)	9.55 tCO <sub>2</sub> e	7.7 tCO <sub>2</sub> e

Emissions from purchased electricity for EV Charging (Scope 2, location-based) (taken from 7.1 Backing data)	1.99 tCO <sub>2</sub> e	0.9 tCO <sub>2</sub> e
Emissions from business travel in rental cars or employee-owned vehicles where company is responsible for purchasing the fuel (Scope 3) (taken from 7.1 Backing data)	15.93 tCO <sub>2</sub> e	16.2 tCO <sub>2</sub> e
Total gross tCO <sub>2</sub> e based on above (taken from 7.1 Backing data)	830.00 tCO <sub>2</sub> e	745.0 tCO <sub>2</sub> e
Intensity ratio: tCO <sub>2</sub> e gross figure based on mandatory fields above/ e.g. £100,000 revenue (taken from 5 Results)	1.82 tCO <sub>2</sub> e per £100,000 turnover	1.64 tCO <sub>2</sub> e per £100,000 turnover
Methodology (taken from 4 Methodology)	<p><b>Carbon Emission Calculations</b></p> <p>Carbon Emission Factors used in calculations are the 'Government conversion factors for company reporting of greenhouse gas emissions'.</p> <p>Annual factors for 2024 published on 08/07/2024 have been used in the calculations of carbon emissions for this report.</p> <p>In line with the scope of the SECR report, the data from the sources listed above were categorised into Scope 1, Scope 2 and Scope 3 emissions.</p> <p><b>Data Collection and Estimation</b></p> <p>All data was provided to TEAM by T.S.G. Building Services PLC in January 2025, and no estimation was necessary for the delivery of this report.</p>	<p>TEAM were able to source data covering 01/04/2023 – 31/12/2023 from:</p> <ul style="list-style-type: none"> <li>Gas, Electricity and Vehicle mileage data received from Rebecca Dewis on 10/04/2024.</li> <li>Electricity for Electric Vehicle Charging received from Rebecca Dewis on 26/04/2024.</li> <li>As data for Electric Vehicle Charging Electricity was not available for the reference period, the total charging kWh from Jan-April 2024 was used to estimate using the average kWh charger per month and applying this across the 9 month reference period 01/04/2023 – 31/12/2023.</li> </ul>
Energy Efficient Actions taken (taken from 5.1 Energy Efficiency Actions)	<ul style="list-style-type: none"> <li>Installing Renewable Energy Technologies in both new build and refurbished properties, alongside commercial properties, i.e. leisure centres, including the following: <ul style="list-style-type: none"> <li>Cavity wall insulation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Switching a number of diesel vans for electric vans.</li> <li>Evaluation of energy efficient and correspondingly carbon reducing equipment, vehicles and plant throughout the organisation.</li> </ul>

	<ul style="list-style-type: none"> <li>○ Loft insulation</li> <li>○ Solar PV</li> <li>○ Air source heat pumps</li> <li>● Implemented an electric bike for staff to conduct site visits, i.e. conduct surveys, visit residents for pre-start meetings, client meetings, etc.</li> <li>● Implemented energy efficient and environmentally friendly printers from HP across the business.</li> <li>● Streamlined waste disposal to ensure reduction in landfill %.</li> <li>● Switching a number of diesel vans for electric vans.</li> <li>● Evaluation of energy efficient and correspondingly carbon reducing equipment, vehicles and plant throughout the organisation.</li> <li>● Vehicle sharing and mileage reduction planning.</li> <li>● Assessment and delivery of fuel-efficient vehicles.</li> </ul>	<ul style="list-style-type: none"> <li>● Vehicle sharing and mileage reduction planning.</li> <li>● Assessment and delivery of fuel-efficient vehicles.</li> </ul>
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*Table 5: Mandatory Details*



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