

Streamlined Energy & Carbon Reporting (SECR)

**Sovereign Housing
Association Limited**

SOVEREIGN



Sovereign Housing Association Limited

Streamlined Energy & Carbon Reporting

1st April 2021- 31st March 2022 Summary

Reporting Data Completeness

For all UK electricity and UK natural gas supplies

Invoices Processed

15,688 invoices

Consumption data estimated

Current
Period: **5%**

Carbon & Consumption

YOY = Year-on-year change

Gas, Fuel & Heat

25,068,421 kWh

4,591.53 tCO₂e

Electricity

17,977,956 kWh

3,817.26 tCO₂e

Transport

12,990,852 kWh

3,064.89 tCO₂e

Carbon Intensity Metric

£m = Revenue £m

10.86 tCO₂e per £m

9.03 tCO₂e per £m

7.25 tCO₂e per £m

Overall

27.14 tCO₂e per £m

11,473.68 tCO₂e

Energy Saving Projects

Implemented

- Closure of old office sites.
- Move to a new energy efficient office hub, equipped with Solar PV panels and EV charging stations.

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Executive Summary

Energy usage, associated emissions, energy efficiency actions and energy performance for Sovereign Housing Association Limited.



Streamlined Energy & Carbon Reporting

This report summarises the energy usage, associated emissions, energy efficiency actions and energy performance for Sovereign Housing Association Limited, under the government policy Streamlined Energy & Carbon Reporting (SECR), as implemented by the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018.

It also summarises, in the appendix, the methodologies utilised for all calculations related to the elements reported under Energy & Carbon.

Sovereign Housing Association Limited are a UK incorporated business. Under the new SECR legislation we are mandated to include energy consumption, emissions, intensity metrics and all energy efficiency improvements implemented in our most recent financial year. An organisational boundary has been applied for the purposes of the reporting.

Sovereign Housing Association Limited have compiled a large amount of consumption data for our operations for the purpose of SECR – approximately 15,688 invoices have been processed for this data collation.

A total of 5% of consumption data used for SECR has been required to be estimated to achieve 100% data coverage.

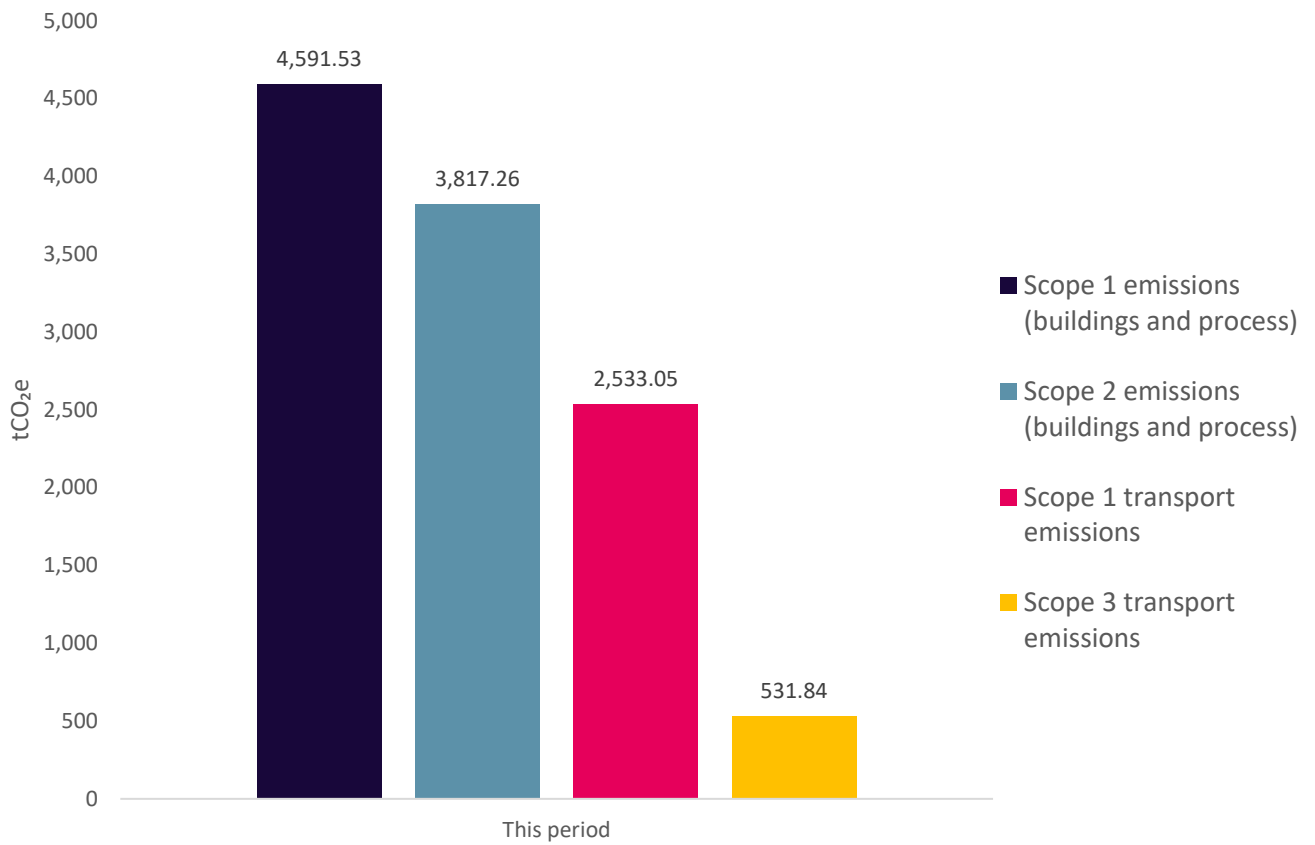
Year 1

Sovereign Housing Association Limited's Scope 1 direct emissions (combustion of natural gas and transportation fuels) for this first year of reporting are 7,656.42 tCO_{2e}, resulting from the direct combustion of 38,059,273 kWh of fuel.

Scope 2 indirect emissions (purchased electricity) for this first year of reporting are 3,817.25 tCO_{2e}, resulting from the consumption of 17,977,956 kWh of electricity purchased and consumed in day to day business operations.

Sovereign Housing Association Limited's operations have an intensity metric of 27.14 tCO_{2e} per £m for this reporting year.

Scope 1, 2 and 3 emissions (tCO₂e) for the 2021/22 period.



Organisational Structure and Qualification



Sovereign Housing Association Limited

Sovereign Housing Association Limited is a large company incorporated in the UK.

We are required to comply with SECR, as we exceed the qualification threshold of employee numbers (in 2021/22, Sovereign Housing Association Limited employed 2,167 FTE across the group) and of turnover (in 2021/22, Sovereign Housing Association Limited had a turnover of £422.8m).

Data Quality and Completeness

Invoices have been entered into a fully managed energy database up to 31st March 2022.



Data Completeness

All Sovereign Housing Association Limited's electricity and gas invoices have been entered into a fully managed energy database up to 31st March 2022, and data quality checks have been conducted for data completeness and accuracy. All transport information has been entered into the energy database up to 31st March 2022.

There were several instances, equating to 5% of the total reported consumption, where it was necessary to calculate some estimated consumption to achieve 100% data coverage. Methodology of these estimation techniques is detailed in the appendix.

Annual Reporting Figures

The total consumption and emissions figures for energy supplies reportable by Sovereign Housing Association Limited



Consumption (kWh) and Greenhouse Gas emissions (tCO₂e) Totals

The following figures make up the baseline reporting for Sovereign Housing Association Limited as 2021/22 is the first year that the Sovereign Housing Association Limited are required to report this information.

Scope 1 consumption and emissions relate to direct combustion of natural gas, and fuels utilised for transportation operations, such as company vehicle fleets, and grey fleet.

Scope 2 consumption and emissions relate to indirect emissions relating to the consumption of purchased electricity in day to day business operations.

Scope 3 consumption and emissions relate to emissions resulting from sources not directly owned by us. This relates to grey fleet (business travel undertaken in employee-owned vehicles) only.

Totals

The total consumption (kWh) figures for energy supplies reportable by Sovereign Housing Association Limited are as follows:

Utility and Scope	2021/22 UK Consumption (kWh)
Grid-Supplied Electricity (Scope 2)	17,977,956
Gaseous and other fuels (Scope 1)	25,068,421
Transportation (Scope 1)	10,697,200
Transportation (Scope 3)	2,293,653
Total	56,037,229

The total emission (tCO₂e) figures for energy supplies reportable by Sovereign Housing Association Limited are as follows. Conversion factors utilised in these calculations are detailed in the appendix:

Utility and Scope	2021/22 UK Consumption (tCO ₂ e)
Grid-Supplied Electricity (Scope 2)	3,817.26
Gaseous and other fuels (Scope 1)	4,591.53
Transportation (Scope 1)	2,533.05
Transportation (Scope 3)	531.84
Total	11,473.68

Intensity Metric

An intensity metric of tCO₂e per £m has been applied for the annual total consumption / emissions of Sovereign Housing Association Limited. Additional intensity metrics of tCO₂e per FTE and tCO₂e per Number of properties have also been applied to the total consumption of Sovereign Housing Associations operations. The methodology of the intensity metric calculations are detailed in the appendix, and results of this analysis is as follows:

Intensity Metric	2021/22 UK Intensity Metric
tCO ₂ e / Revenue £m	27.14
tCO ₂ e / FTE	5.29
tCO ₂ e / Number of properties	0.18

Energy Efficiency Improvements

Sovereign Housing Association Limited are committed to year on year improvements in their operational energy efficiency.



Energy Efficiency Improvements

Sovereign Housing Association Limited are committed to year on year improvements in their operational energy efficiency. As such, a register of energy efficiency measures available to Sovereign Housing Association Limited has been compiled, with a view to implementing these measures in the next five years.

Measures ongoing and undertaken through 2021/22:

- In this financial year, the main project completed was the move to Greenham Hub. This allowed the closure of multiple older office sites (Saxon Court, Fulton Court, Berkshire House, and Abingdon House).
- Greenham Hub is equipped with solar PV panels and EV charging points. The new building also has modern fittings such as LED lightings, TM44 checked air con, and lighting is fitted with Passive Infrared sensors (PIR). These new office upgrades allow for a reduction in energy consumption for Sovereign Housing Association.
- Old offices, with poor energy efficiency, were closed to allow improved ways of working and increase environmental awareness in the workplace. One example of this is the implementation of a new waste transfer station allowing colleagues to sort waste more efficiently.

Measures prioritised for implementation in 2022/23:

- Following the successful move to Greenham Hub, Sovereign Housing Association are planning to move to a hub model in all localities, where all new buildings will have the same energy efficiency requirements as Greenham and be optimised for energy saving.

Compliance Responsibility

This report has been prepared for Sovereign Housing Association Limited by Net Zero Compliance: a division of Inspired Energy PLC



Inspired Energy

This report has been prepared by Net Zero Compliance (a division of Inspired Energy PLC) for Sovereign Housing Association Limited by means of interpreting the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 as they apply to information supplied by Sovereign Housing Association Limited and its energy suppliers.

Sovereign Housing Association Limited's registered CEO and CFO are ultimately responsible for complying with the Regulations. They must be satisfied that to the best of their knowledge all relevant information concerning Sovereign Housing Association Limited's organisation structure, properties, activities and energy supplies has been provided to Inspired Energy.

This includes details of any complex ownership structures (for example, private equity funds, franchises for private finance initiatives) and electricity/gas usage that is covered by EU ETS or CCA schemes, generated on-site (including CHP), or supplied to/from a third party (i.e. not a licenced energy supplier or a landlord/tenant).

Appendix

Reporting Methodology

Scope 1, 2 and 3 consumption and CO₂e emission data has been calculated in line with the 2019 UK Government environmental reporting guidance. The following Emission Factor Databases consistent with the 2019 UK Government environmental reporting guidance have been used, utilising the current published kWh gross calorific value (CV) and kgCO₂e emissions factors relevant for reporting year [01/04/2021 – 31/03/2022]:

Database 2021, Version 1.

Estimations undertaken to cover missing billing periods for properties directly invoiced to Sovereign Housing Association Limited were calculated on a kWh/day pro-rata basis at meter level. These estimations equated to 5% of reported consumption.

For properties where Sovereign Housing Association Limited is indirectly responsible for utilities (i.e. via a landlord or service charge), an average consumption for properties with similar operations was calculated at meter level and applied to the properties with no available data.

These full year estimations were applied to 62 electricity supplies, and one gas supply for Sovereign Housing Association Limited.

Intensity metrics have been calculated utilising the 2021/22 reportable figures for the following metrics, and tCO₂e for both individual sources and total emissions were then divided by this figure to determine the tCO₂e per metric:

- | | |
|-------------------------------|----------------|
| • Total Revenue (£m) | £422.8m |
| • Full time equivalents (FTE) | 2,167 |
| • Number of properties | 64,496 |



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