

ESOS Phase 2 Summary Report

07/09/2021





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This report has been prepared for Genius Sports Group Limited by

Robbie Howlett
Energy & Environment Manager

T: 07764 300 186

E: Robbie.howlett@inpireenergy.co.uk

For further information, please get in touch, or visit

Executive Summary

The Energy Saving Opportunities Scheme (ESOS) is a mandatory energy assessment scheme of buildings, industrial process and transport, for organisations in the UK that meet the qualification criteria. The Environment Agency is the UK scheme administrator.

This summary report has been compiled to document the route taken by Genius Sports Group Limited to comply with the requirements of ESOS Phase 2 and to summarise the results of this work.

Page 4 of this document provides a Genius Sports Group Limited Board Level Director with the opportunity to confirm that the findings of the assessment have been reviewed, and that Genius Sports Group Limited is, to the best of their knowledge, compliant with ESOS.

Total energy savings across the business of 9,161 kWh have been identified. Should the recommendations be implemented, we estimate year 1 cost savings of £916 and an overall payback period of 1.36 years.

Due to the continual increase in non-negotiable third-party non-commodity energy costs, which typically account for over 50% of current energy bills, the financial savings identified are expected to rise year on year. Notwithstanding likely increases to commodity costs, third-party charges are forecast to rise 34% over the next 5 years. It is important, therefore, that the savings identified are considered beyond this report to help protect against these rising costs.

Inspired Energy would welcome the opportunity to work with you to ensure you reap the maximum benefit from your compliance with ESOS.

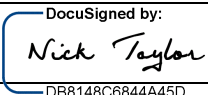
ESOS Summary Report for Genius Sports Group Limited

ESOS assessment sign-off

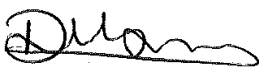
In order to finalise the ESOS compliance process and to allow Inspired Energy to complete our organisation's notification to the Environment Agency, I acknowledge my understanding and acceptance of the four points below:

1. I have reviewed the recommendations of the ESOS assessment undertaken for our organisation.
2. I am satisfied, to the best of my knowledge, that our organisation is within the scope of ESOS.
3. I am satisfied, to the best of my knowledge, that our organisation is compliant with the scheme.
4. I am satisfied, to the best of my knowledge, that the information provided in our organisation's notification is correct.

Board Level Director (Genius Sports Group Limited):

Name: Nick Taylor	Position: CFO
Signature:  <small>DB8148C6844A45D...</small>	Date: 10-09-2021 15:49 BST

ESOS Lead Assessor (Inspired Energy):

Name: Robbie Howlett	Position: Energy & Environment Manager
Signature: 	Date: 31/08/2021

Introduction

Qualification and scope

ESOS is an energy assessment and energy saving scheme that applies to large undertakings and groups containing large undertakings in the UK. An undertaking, as defined in the Companies Act 2006, is:

- a corporate body or partnership
- an unincorporated association carrying on a trade or business, with or without a view to profit

A large undertaking is any UK undertaking that meets either one or both of the conditions below:

- it employs 250 or more people
- it has an annual turnover in excess of 50 million euro (£44,845,000), and an annual balance sheet total in excess of 43 million euro (£38,566,700).

You also must take part in ESOS if your undertaking is part of a corporate group which includes another UK undertaking that meets either of these conditions.

It has been established that Genius Sports Group Limited meets the qualification criteria and needs to comply with the requirements of this legislation before the Phase 2 compliance date of 5th December 2019.

Where a corporate group participates in ESOS unless agreed otherwise the highest UK parent will act as a 'responsible undertaking' and be responsible for ensuring the group as a whole complies.

Genius Sports Group Limited is part of a corporate group containing 13 organisations in the UK in total (as of 31 Dec 2018) and acting as the responsible undertaking for this group.

Details of other organisations within the corporate group to be included in the notification of compliance can be found in Appendix 1.

Key dates

ESOS operates in consecutive four-year phases. Figure 1 below shows the qualification dates, compliance periods and compliance dates for each phase.

Phase	Qualification date	Compliance period	Compliance date
1	31 st December 2014	17 th July 2014 to 5 th December 2015	5 th December 2015
2	31 st December 2018	6 th December 2015 to 5 th December 2019	5 th December 2019
3	31 st December 2022	6 th December 2019 to 5 th December 2023	5 th December 2023
4	31 st December 2026	6 th December 2023 to 5 th December 2027	5 th December 2027

Figure 1

Energy Consumption

Total Energy Consumption (TEC), Significant Energy Consumption (SEC) and de minimis energy

During each phase, organisations carrying out an ESOS assessment must identify their 'Total Energy Consumption' (TEC) using data that crosses the ESOS qualification date from all buildings, industrial processes and transport.

After calculating the TEC, assets and activities that contribute to at least 90% must be identified. Energy use from these assets and activities is known as the Significant Energy Consumption (SEC) which is required to be assessed for energy saving opportunities via energy audits or an alternative route to compliance. The remaining 10% is known as 'de minimis' energy consumption and can be excluded from any auditing activities.

Data used in calculating the TEC must be recorded in a common unit, which can either be a unit of energy (such as kWh) or energy spend using pound sterling. The basis of measurement within this ESOS assessment is units of energy measured in kWh.

- Total energy consumption included in this ESOS assessment was 198,508.24 kWh.
- Energy consumption for assets and activities that form part of the SEC account for 195,075.01 kWh which represents 98.27% of the total.
- De minimis energy consumption contributes 3,433.23 kWh towards the total, equivalent to 1.73%.

Data used in calculating the TEC includes supplier invoices / meter / summary data provided by Genius Sports Group Limited based on travel expenses.

Tables on the following pages provide a breakdown of the TEC, SEC and de minimis energy by various categories. Figure 2 shows the TEC, SEC and de minimis energy for all supplies included within the scope of assessment. Figure 3 shows consumption by activity, Figure 4 by fuel type, and Figure 5 by item such as building name or address.

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Activity & assets	TEC (kWh)	SEC (kWh)	De minimis (kWh)	SEC contribution (%)	De minimis contribution (%)
All	198,508.24	195,075.01	3,433.23	98.27	1.73

Figure 2

Activity	TEC contribution (kWh)	SEC contribution (kWh)	De minimis contribution (kWh)	TEC contribution (%)	SEC contribution (%)	De minimis contribution (%)
Buildings	195,075.01	195,075.01	0.00	98.27%	98.27%	0.00%
Industrial process	0.00	0.00	0.00	0.00%	0.00%	0.00%
Transport	3,433.23	0.00	3,433.23	1.73%	0.00%	1.73%
TOTAL	198,508.24	195,075.01	3,433.23	98.27%	98.27%	0.00%

Figure 3

Fuel type	TEC contribution (kWh)	SEC contribution (kWh)	De minimis contribution (kWh)	TEC contribution (%)	SEC contribution (%)	De minimis contribution (%)
Grid supplied electricity	195,075.01	195,075.01	0.00	98.27%	98.27%	0.00%
Unknown*	3,433.23	0.00	3,433.23	1.73%	0.00%	1.73%
TOTAL	198,508.24	195,075.01	3,433.23	100.00%	98.27%	1.73%

Figure 4

* Unknown fuel includes petrol and diesel where the fuel type of transport activities cannot be determined.

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Item/Reference	TEC contribution (kWh)	SEC contribution (kWh)	De minimis contribution (kWh)	TEC contribution (%)	SEC contribution (%)	De minimis contribution (%)
Grey Fleet	3,433.23	0.00	3,433.23	1.73%	0.00%	1.73%
Soho Square	164,874.00	164,874.00	0.00	83.06%	83.06%	0.00%
10 Bloomsbury Way	30,201.01	30,201.01	0.00	15.21%	15.21%	0.00%
TOTAL	198,508.24	195,075.01	3,433.23	100.00%	98.27%	1.73%

Figure 5

Item/Reference	TEC contribution (kWh)	SEC contribution (kWh)	De minimis contribution (kWh)	TEC contribution (%)	SEC contribution (%)	De minimis contribution (%)
Road	3,433.23	0.00	3,433.23	1.73%	0.00%	1.73%
Air	0.00	0.00	0.00	0.00%	0.00%	0.00%
Sea	0.00	0.00	0.00	0.00%	0.00%	0.00%
TOTAL	3,433.23	0.00	3,433.23	1.73%	0.00%	1.73%

Figure 6

Estimated Energy Consumption

Wherever possible the TEC must be calculated using verifiable sources of data. However, participants are permitted to use estimates to fill any gaps when verifiable data is unavailable. There are three methods permitted for use in making estimates. These include

- Direct comparison
- Pro-rata extrapolation
- Benchmarking

Direct comparison means using figures from another comparable time period to fill the gap.

Pro-rata extrapolation means using figures you have for one period of time to get average consumption figures for a shorter period.

Benchmarking means using the energy consumption of one asset or activity as a proxy to estimate the consumption of another asset.

During this ESOS assessment, 100% of energy consumption is based on verifiable data and no estimates were required.

Energy Consumption Profiles

Participants in ESOS are required, where practical, to use energy consumption profiling in the analysis of energy use for the ESOS energy audit.

Energy consumption profiles are a breakdown of how energy is used by a particular asset or activity and how that energy use varies. For example, in an office building, the energy consumption profile could include energy used for heating, ventilation, air conditioning, lighting, and appliances. The ESOS energy audit should review the energy consumption profile of buildings or groups of buildings, industrial processes and transportation.

Different types of profiles that may be useful are:

- **Static profiles:** these are useful in situations where there are many different energy uses within an asset or activity (e.g. at a manufacturing site) at any given time and the profile of energy use is poorly understood.
- **Time profiles:** these are useful in situations where there is a cyclical or identifiable pattern of energy use over time within an asset or activity and you want to (further) understand what is driving that pattern – e.g. seasonal demand, weather, or human behaviour (e.g. shift patterns)
- **Time interval profiles:** this is where two or more time profiles are undertaken at intervals to identify any changes in energy use highlighted by the changing profiles (e.g. conducting short time profiles before and after the implementation of an energy saving measure).

The Environment Agency advise that the use of energy consumption profiles for ESOS energy audits is flexible, as it may not always be possible or proportionate to develop energy consumption profiles. However, where consumption profiles are not used there needs to be a justification of this included within the evidence pack.

During this ESOS assessment, a time profile was used to analyse energy consumption within the energy survey report.

Route To Compliance

ESOS allows participants to choose one or more routes to compliance that cover all areas of Significant Energy Consumption. These include:

- ISO 50001 certification
- ESOS compliant energy surveys
- Display Energy Certificates (DECs)
- Green Deal Assessments

After consideration of Genius Sports Group Limited's Significant Energy Consumption, it was decided that ESOS compliant energy audits would be used to identify and report on energy saving opportunities.

The percentage of total energy consumption that is covered by each of the ESOS compliance routes or included as de minimis is shown in Figure 7 below.

ESOS compliance route	TEC contribution (kWh)	TEC contribution (%)
ISO 50001 certification	0.00	0.00%
ESOS compliant energy surveys	195,075.01	98.27%
Display Energy Certificates	0.00	0.00%
Green Deal Assessments	0.00	0.00%
De minimis energy	3,433.23	1.73%
TOTAL	198,508.24	100%

Figure 7

ESOS compliant energy surveys

All areas of Significant Energy Consumption which aren't covered by one of the alternative routes to compliance must be audited to identify energy saving opportunities. For participants where ESOS compliant energy surveys are used to audit energy consumption, it is permitted to incorporate a sampling approach where the Lead Assessor and participant are satisfied this will provide a valid representation of energy consumption.

To evaluate a representative sample, it was agreed that 1 energy survey and report would be undertaken reflective of the energy consumption patterns of assets and activities included within the scope of assessment.

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To meet the requirements of the scheme, the data used in any ESOS energy audit must:

- Detail a period of 12 consecutive months' energy use for the asset or activity
- Begin no earlier than 12 months before the start of the compliance period (for Phase 2 this means it must begin no earlier than 6th December 2014)
- Begin no earlier than 24 months before the start of the ESOS energy survey (for example, for an ESOS energy survey on 1st April 2018, data must begin no earlier than 1st April 2016)
- Not extend beyond the compliance date (for Phase 2 this means it must not extend beyond 5th December 2019)
- Not have been included in energy audits for a previous compliance period

Methodology:

Each of the energy survey reports has been produced based on a methodology developed in-house by Inspired Energy.

All fuel conversions to kWh and CO₂ emissions data has been calculated in line with the 2013 UK Government environmental reporting guidance using UK Government GHG conversion factors for company reporting.

Energy Saving Opportunities have been presented using life-cycle cost analysis where possible, and where not it is expected that this method will be used prior to the implementation of energy saving projects.

Energy Saving Opportunities

Savings and recommendations identified by ESOS Compliant Energy Surveys

Figure 8 provides a reference to each of the energy surveys and transport reviews used to audit areas of Significant Energy Consumption.

Report Title	Reference	Issue date	Energy Data Start Date
10 Bloomsbury Way	ES1	07/09/2021	01/07/2019

Figure 8

A summary of energy saving opportunities identified during the ESOS audit via surveys is shown in Figure 9 below¹.

This includes the energy, cost and CO₂ savings calculated from all energy surveys and transport reviews. Between them, these energy surveys and reviews account for 75.3% of all energy supplies included in the TEC. Extrapolated savings are also shown for assets and activities that form part of the TEC but not covered within individual reports.

	Identified ²	Extrapolated ³	Total
Energy Saving (kWh/Year)	1,418	7,743	9,161
Year 1 Cost Saving (£)	142	774	916
Year 1 CO ₂ e Saving (tn)	0.33	1.81	2.14
Guide Price (£)	192	1,048	1,240
Payback (Years)	1.36	1.36	1.36

Figure 9

Figure 10 that follows provides a breakdown of energy saving opportunities identified from surveys carried out on buildings and processes by type.

¹ Cost-benefit analyses based on simple payback period (SPP). Individual reports may use of life-cycle cost analysis (LCCA) resulting in different payback periods. Figures exclude recommendations where insufficient information was available to calculate energy savings or provide an indication of guide price.

² Based upon the percentage saving identified in audits of assets or activities when applied to their TEC contribution. Actual savings identified may differ.

³ Based upon the percentage saving identified in audits extrapolated to all assets & activities not audited.

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ESO by type	Energy Saving (kWh/Year)	Year 1 Cost Saving (£)	Year 1 CO ₂ e Saving (tn)	Guide Price (£)	Payback (Years)
Management	2,990	299	0.70	500	1.67
Fans, pumps, controls	931	93	0.22	0	0.00
Hot water	1,117	112	0.26	450	4.03
Office equipment	1,983	198	0.46	0	0.00
TOTAL	7,020	702	2	950	1.35

Figure 10

Next Steps

We welcome your feedback and look forward to helping your organisation move forward with managing your energy reductions, lowering your energy costs and carbon emissions whilst minimising the impact on the day to day travel operations.

There are several areas in this report that should be investigated in more detail to establish true costs, savings, compatibility, pay back periods and impact on your business. However, energy management is also an on-going process and regular savings will only be achieved if consumption is regularly monitored and targets are set for the whole business.

Inspired Energy can help you achieve these reductions by:

- Providing sub-contract energy managers to advise and work alongside your staff.
- Provide monthly consumption data reports (subject to sub-metering availability).
- Project management for energy saving projects.
- Arranging specialist feasibility surveys and project costs.
- Developing an energy management plan and policy.

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Appendix 1

Genius Sports Group Limited – corporate group (as of 31 December 2018):

Genius Sports	Companies House registration number	Global Parent	Highest UK Parent	Responsible undertaking
Maven Midco Limited	11473377	-	YES	
Genius Sports Group Limited	09706742	-	-	YES
Genius Sports Holdings Limited	10326954	-	-	-
Betgenius Limited	04062777	-	-	-
Genius Sports Limited	10197219	-	-	-
Genius Sports Media Limited	10197166	-	-	-
Genius Sports Services Limited	10327058	-	-	-
Sports Integrity Monitor Limited	07415240	-	-	-
Connextra Limited	03608362	-	-	-
Boolabus Limited	06614234	-	-	-
Bestbetting Limited	07415092	-	-	-
Maven Debtco Limited	11473373	-	-	-
Maven Bidco Limited	11462078	-	-	-

Inspired

29 Progress Business Park . Orders Lane
Kirkham . Lancashire . PR4 2TZ

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29 Progress Business Park . Orders Lane
Kirkham . Lancashire . PR4 2TZ

Registered in England & Wales: No. 07639760

Registered address: As stated

VAT No: 123379519

