

A quick guide to

ESOS

Energy Savings Opportunity Scheme

ESOS at a glance

What is ESOS?

ESOS is a mandatory energy assessment and energy saving identification scheme for large undertakings (and their corporate groups). The scheme applies throughout the UK.

What does it cover?

ESOS requires the measurement and auditing of an organisation's **buildings, transport and industrial processes.**

Who does it apply to?

Business which have **250 or more employees** AND/OR have an annual turnover exceeding **€50m** and a balance sheet exceeding **€43m.**

Why is it required?

ESOS is being established by the Department of Energy and Climate Change (DECC) in response to Article 8 of the EU Energy Efficiency Directive.

What are the key dates you need to comply with?

5 December 2015: submission of ESOS audit to the Environment Agency

What are the benefits?

The scheme is estimated to lead to £1.6bn net benefits to the UK, with the majority of these being directly felt by businesses as a result of energy savings.

Are there any penalties for ignoring the scheme?

Yes. Fines up to £50,000 and/or £500 per day until compliance is demonstrated.

3 Steps to compliance

Twin & Earth have developed a simple 3 step approach to ESOS.

Step 1 will evaluate your readiness for ESOS and ensure that you have in place all the methodologies and resources required to demonstrate compliance before the **5th December 2015** deadline. During this stage, we recommend that you commission an **accredited Lead Assessor** to assist you with ESOS compliance.

STEP 1: Review if your organisation is in scope of ESOS:

Determine which areas of the business will need to be assessed under ESOS, and set out the preferred energy and audit strategy.

This step should help to answer the following:

- Do you have sufficient measurement systems in place to be able to calculate your energy consumption?
- What energy auditing procedures do you already have in place? Green Deal assessments? ISO50001? DECs?
- What buildings and activities will need to be audited?
- What resource will you need to undertake the measurement and auditing of energy across the business?

Steps 2 and 3 involve undertaking detailed measurement and energy audits across the business to identify cost effective energy reduction measures, before submitting the evidence to the Environment Agency.

STEP 2: Carry out detailed energy measurements and audits:

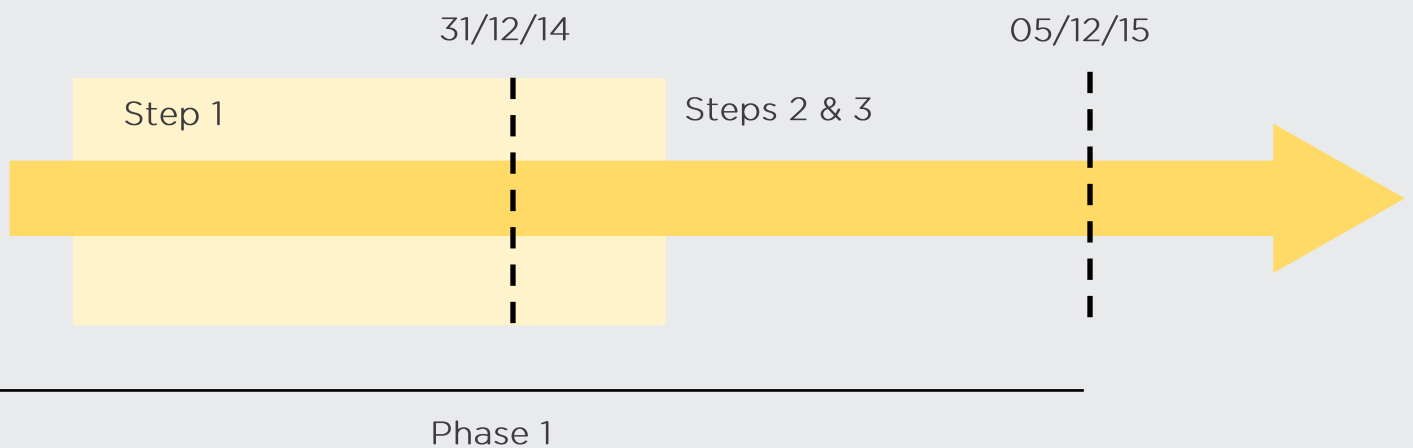
Collate detailed energy data on building, transport and industrial processes. Carry out energy audits and identify cost effective opportunities to reduce energy consumption.

STEP 3: Report the outcome to the Environment Agency:

Compile an ESOS evidence pack, gain board level sign off and submit a formal notification to the Environment Agency.

Timescales

To ensure compliance by the 5th December 2015, you should aim to have the requirements scoped out by summer 2015 (at the latest), allowing time to undertake any energy audits no later than November 2015.



12 month data collection

How can Twin & Earth help?

Twin and Earth are a leading consultancy in the fields of energy efficiency and sustainable operations. We can provide a tailored service which starts with assessing how ESOS applies to your business, resulting in a detailed measurement and auditing strategy. Our accredited ESOS lead assessors can undertake compliant energy audits which set out cost effective ways to reduce energy consumption and running costs within your business. Our services include:

- Determining the requirements of ESOS as applied to your organisation.
- Developing ESOS compliant measurement and auditing strategies.
- Collating and reviewing energy data for your business
- Undertaking energy audits covering your buildings, transport and industrial processes.
- Identifying cost effective opportunities to reduce energy consumption.
- Providing overarching project management of the ESOS process including submission of evidence to the Environment Agency.

If you would like further details on ESOS, please contact:

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