



Energy Audit

What is it?

A facility energy audit is a key step to support your sustainability journey. You can develop a roadmap of energy initiatives in line with the strategic objectives of your organisation. An audit will provide insights on current energy-related carbon emission and energy performance levels.

What does it involve?

STAGE ONE

The pre-site visit stage involves data and information gathering activities. Information requests will be issued to the client.

STAGE TWO

The site visit consists of visual inspections of buildings, processes and equipment along with interviews with relevant site operational personnel.

STAGE THREE

The Analysis and Report Development includes the following:

- Establish existing energy consumption baseline and develop opportunities to reduce energy.
- Summarise relevant measurements made during the energy audit.
- Report the energy efficiency improvement opportunities.

STAGE FOUR

Issue final report and presentation of findings.



See what it contains on p.2

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Energy Audit

What's included in the report?

1

Executive Summary

Our executive summary sets out the intention of the Energy Audit final report, introducing the challenge and benchmarking some of the findings.

2

Energy Audit Methodology

An explanation of the CGBC approach to energy and how we conduct energy audits. A clear indication as to what has taken place to compile this report.

3

Building and Systems Description

A complete evaluation of the buildings and systems within the organisation that have been considered for this energy audit and any critical factors.

4

Energy Consumption Analysis

Analysing your organisation's energy consumption enables us to identify and correct consumption inefficiencies and highlight opportunities for improvement.

5

Significant Energy Users (SEUs)

An energy user that accounts for substantial energy consumption and offers considerable potential for energy performance improvement.

6

Energy Conservation Measures (ECMs)

Clear guidance & recommendations on how your organisation can be more mindful of its energy use and what can be done to improve energy performance.

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What you'll need to prepare...

When we begin an Energy Audit, we request certain items of data to ensure that the subsequent process and site visit runs smoothly and we have all the necessary information ahead of time.

Here is the list of the information we ask for before we conduct the energy audit.

If an energy audit is the next step for your organisation, you can start by preparing the following.

Energy bills

Energy bills (electricity, gas, etc.) and any fuel delivery info for the past 12 months minimum, the past 24 months if possible.

Building Dimensions

Building area details (m²) and layout drawings if available.

Known Energy Consumers

A list of energy-consuming equipment detailing equipment name and model details, if available.

Smart Meter Data

Access to electricity smart meter data. This is often an energy retailer login.

Operational hours

Confirmation of your operating hours. A indication if there has been any changes in the past 12 months, or do you expect any changes in the coming 12 months?

All that's left to do now is book your Energy Audit with CGBC

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