

Energy Audits

Benefits

Types of Audits

Funding options

BENEFITS OF ENERGY AUDITS

- ***Crucial part of an energy management programme.***
- ***Identifies how efficiently energy is used.***
- ***Identifies energy and cost saving opportunities.***
- ***Review use of alternative energy forms.***
- ***Provide financial information to prioritise.***



ABOUT ENERGY AUDITS

- ***AS/NZS 3598:2000 – Energy Audits***
- ***Energy Management Assoc NZ
Website www.ema.org.nz
Sample Energy Audit reports***
- ***Accredited Auditors***

TYPES OF AUDITS

- ***Level 1 Energy Audits***

Walkthrough or overview.

Can be desktop study.

Rough indication of savings.

- ***Level 2 Energy Audits***

Detailed investigation.

Historical energy use by type.

Energy balance.

Energy benchmarking.

List of savings initiatives.



TYPES OF AUDITS

- ***Level 3 Audits***

Specific focus.

Part of facility or process.

Detailed economic analysis.

- ***Design Energy Audits***

Review at design stage.

Improve energy efficiency prior to construction.

Funding Options and Criteria

- ***EECA Energy Audit Grant Scheme***
50% of fee up to 3% of energy spend.
Level 2 Audit.
Minimum \$100k/yr energy spend.
Maximum Grant \$50k.
Accredited Energy Auditor.
- ***EECA Energy Intensive Business Programme***
Aimed at Businesses with high energy use
40% of Cost up to \$100k.
Case Studies.
- ***Fleet Audits***
For fleets over 50 vehicles.
Up to 50% of audit fee.