

IS YOUR DEPARTMENT POWERED-UP TO MEET ENERGY EFFICIENCY POLICY?

FACT SHEET

QLD STATE GOVERNMENT POLICY

The Strategic Energy Efficiency Policy for Queensland Government Buildings (SEEP) aims to reduce energy consumption and increase energy efficiency in Queensland government buildings.

The Department of Public Works (DPW) is the nominated management authority for this policy. Under the SEEP, departments are responsible for developing an Energy Management Plan (EMP) to reduce energy use in their buildings. An Energy Efficiency Audit forms part of the EMP.

Targets

The policy sets energy use reduction targets (compared with 2005 levels):

- 5% by 2010
- 20% reduction in energy consumption by 2015.

http://www.works.qld.gov.au/tdd/climate/energy_management.asp



HOW CAN ECOFUND HELP?

Ecofund specialises in helping your department meet its obligations under the Strategic Energy Efficiency Policy (SEEP). Ecofund offers SEEP compliance services to deliver a detailed Energy Management Plan that includes a Level 2 Energy Audit based on the Australian Energy Audits Standard AS/ NZS 3598: 2000 (lighting and HVAC analysis).

Ecofund's specialised SEEP Energy report includes something you won't find from most other energy auditors, a Marginal Abatement Cost Curve (MACC). A MACC is an effective management tool that ranks the energy reduction recommendations in your energy efficiency report - from the most cost-effective (cost per kWh) to the least cost-effective making it easy for your department to evaluate pay-back periods for any recommendations.

Ecofund also offers all its energy efficiency clients access to an innovative energy education kit. The kit provides a unique opportunity to educate staff about their impact on the environment whilst at work making it easy to implement energy saving recommendations.

By getting an Energy Efficiency Audit, you can identify ways to decrease your energy consumption, financial costs and greenhouse gas emissions.

WHY GET AN ENERGY EFFICIENCY AUDIT?

Not only will it help you meet your obligations under the Strategic Energy Efficiency Policy but in a time of rising electricity prices, an Energy Efficiency Audit gives government an opportunity to reduce spending on electricity.

There are three direct benefits gained:

- **Financial benefits:** through behaviour changes, supply changes and investment.
- **Operational benefits:** information for asset planning and decision making, which can lead to improved workplace efficiency. These can include reduced maintenance costs or increased productivity, long-term options involving major refurbishment or influencing future policy on design and operation, and planning for a more effective approach to energy management.
- **Environmental benefits:** using energy more efficiently, reducing greenhouse gas emissions and other environmental impacts related to energy, a reduction of regional and national energy demand, conservation of natural resource, and promotion of your organisation's commitment to the environment.

WHAT IS AN ENERGY EFFICIENCY AUDIT?

An Energy Efficiency Audit looks at the main uses of energy within a building or facility (site) and makes recommendations for possible improvements in energy efficiency. The Australian Energy Audits Standard AS/ NZS 3598: 2000¹ defines three levels of Energy Audit as follows:

Level 1

A Level 1 'overview' audit provides an assessment of the overall energy consumption of a site, benchmarks the energy consumption as reasonable or excessive, and allows for energy measures to be tracked and evaluated. It may be in the form of a desktop study, but needs to have sufficient information to determine the site's overall level of consumption. Tracking records bulk energy use information, such as from billing records, to give an overview of energy use patterns. Monitoring implies closer measuring of energy use patterns.

A Level 1 audit provides a cursory guide to potential savings and costs to a level of accuracy of $\pm 40\%$.

Level 2

A Level 2 audit identifies the sources of energy for a site, the amount of energy supplied, and what the energy is used for, via tracking and some monitoring. It also identifies areas where savings may be made, recommends measures to be taken, and provides a statement of costs and potential savings.

A Level 2 audit provides a preliminary assessment of costs and savings with accuracy of figures to generally within $\pm 20\%$. (Level 2 includes a heating, ventilation and air conditioning (HVAC) analysis).

Level 3

A Level 3 audit provides a comprehensive analysis of energy usage, savings and costs. It incorporates both tracking and monitoring, and may cover the whole site or focus on an individual operational area. In general, the results identified within the report require an appropriate level of accuracy and economic analysis to justify a substantial capital investment by stakeholders.

A Level 3 audit provides a firm estimate of savings and costs. Accuracy of figures is $+10\%$ of costs.

"Ecofund simplified the process providing practical energy efficiency solutions that far exceeded our expectation of cost savings. Their advice has provided fundamental input to our strategic planning and we would highly recommend their services to anyone."

Kevin Stone, Manager Facilities Services, Department of Justice and Attorney-General

¹ Australian Energy Audits Standard AS/ NZS 3598:2000. Standards Australia.

At Ecofund, we're dedicated to saving you money.
That's why our Energy Efficiency Audits provide real value,
identifying practical ways to reduce your energy costs.

WHO IS ECOFUND QUEENSLAND?

The Queensland Government established Ecofund Queensland as the sole supplier and broker of environmental and carbon offset services for all Queensland Government departments and statutory authorities. Ecofund offers a cost-effective service, and provides expert advice and tailored solutions to help you meet your sustainability targets and objectives.

The level of service Ecofund can provide is determined by you. There are no set consultancy fees and project assumptions. Solutions can be customised to meet your needs from full project management to selected specialist tasks.

Ecofund's specialised carbon and renewable energy services include:

- National Carbon Offset Standard (NCOS) and National Greenhouse and Energy Reporting Scheme (NGER) carbon footprinting (greenhouse gas inventories) and reporting
- Verification & Audits – Ecofund's specialised team includes an Australian Government approved Registered Greenhouse and Energy Auditor
- Energy Efficiency Assessments (AS/NZS 3598:2000)
- Carbon offset and GreenPower™ brokerage
- Other specialist carbon management advisory services.

Benefits of working with Ecofund include:

- Ecofund has been established to centralise and coordinate all environmental and carbon offset needs across government to achieve greater outcomes for Queensland
- creates a positive environmental reputation for your department through the delivery of highly credible offset projects
- transparency of offset agreements and an understanding of obligations are key priorities. Ecofund has an ethical business framework to ensure all parties are represented fairly
- genuine and trustworthy organisation that is passionate about the environment – tackles everything with a sense of energy
- supports the Towards Q2 green targets of reducing the State's greenhouse gas emissions and expanding Queensland's recreation and conservation areas.



Contact us today to find out how we can help your department reduce its energy use and save money.

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