

# Switched on

THE LATEST NEWS ON ENERGY EFFICIENT APPLIANCES AND ELECTRICAL EQUIPMENT

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April 2005

## Editorial

This quarter's newsletter focuses on compliance issues, a topic close to energy efficiency regulator's hearts. In 2004/05, the NAEEEP will devote \$0.5m to standards development and the checktesting of products. This issue reports on some of these aspects.

## 2005 Autumn NAEEEEC Forum - April 27 in Melbourne

The 2005 Autumn NAEEEEC Forum will be held on 27 April, in Melbourne. This is an exciting opportunity to hear the latest developments in standards and labelling from international experts.

Noah Horowitz is a Senior Scientist with the environmental advocacy group, at the Natural Resources Defense Council (NRDC). At NRDC, Noah works on a wide range of energy efficiency programs on national and international levels. His areas of expertise include residential lighting, consumer electronics, and residential building codes. Mr. Horowitz has a MS in Environmental Engineering from the Illinois Institute of Technology and a BS in Chemical Engineering from Carnegie Mellon University.

Peter Du Pont PhD. is the chairman of the International Institute for Energy Conservation and the Director for Asia of the Danish Energy Management Group. He has a long history of working on standards and labelling issues in South East Asia and is currently based in Bangkok managing a consulting network throughout Asia. He manages a number of APEC projects including the Energy Systems Information Service which reports on standards and labelling issues for all APEC economies.

This year the forum is being held in conjunction with the Business Council for Sustainable Energy's (BCSE), annual conference. This is to enable stakeholders to keep up to speed with the latest topics on 'sustainable energy' and to network with other stakeholders, industry, government and technical experts.

**NOTE:** Both of these events are open to the general public, the NAEEEEC Forum on Wednesday 27 April is a free event, however the BCSE Annual Conference on Thursday 28 April requires a registration fee. For more information and to book your place at either event please send an email to: [services@profconferences.com](mailto:services@profconferences.com)



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National Appliance & Equipment Energy Efficiency Committee – Autumn Forum 2005

**ENERGY EFFICIENCY**

Australian codes and standards program –striving for world's best regulatory practice

# Congratulations to Bing Lee

In a recent Bing Lee advertisement published in The Sun-Herald March 6 2005, they have included prominent energy and water ratings for a large majority of their advertised products. The Chairman of the National Appliance and Equipment Energy Efficiency Committee would like to congratulate Bing Lee on this approach to advertising.

## Labelling Compliance Studies

In following on from the 'Whitegoods Labelling Compliance Survey 2004', which showed a 96% national compliance level and was reported on in our January 2005 edition of Switched On, the AGO has entered into discussions with industry to try and remedy areas of low compliance.

Energy efficiency regulators are developing a package of materials to assist appliance retailers to understand their responsibilities in relation to labelling. The AGO will write to all national brand suppliers to offer these materials and to work cooperatively with them and their retailer networks in the near future.

The AGO has arranged meetings with the national brand suppliers, whose results from the survey showed the lower levels of compliance. The purpose of these meetings is to assist these suppliers and their retailer networks, to increase their awareness and understanding of the regulations and in turn their levels of compliance.

## 2004 MEPS Audit Summary

In 2004, NAEEEEC commissioned Millward Brown to conduct a national compliance survey for appliances that were covered by Minimum Energy Performance Standards (MEPS) at that time. The purpose of the survey was to check whether products offered for sale had a valid registration for MEPS.

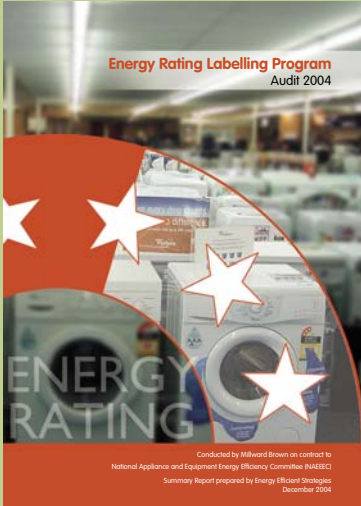
The survey was undertaken in 480 stores in metropolitan and regional areas nation wide, surveying more than 18,060 products. The table below outlines the draft product findings of the survey, which in some cases are yet to be discussed in detail with industry.

Product	Models Surveyed	Models Unregistered	Registered (%)	Unregistered (%)
Ballasts for Linear Fluorescent Lamps	101	5	95%	5%
Electric Storage Water Heaters	622	2	100%	0%
Three Phase Airconditioners	1,436	29	98%	2%
Refrigerators & Freezers	15,901	633	96%	4%

*Note: Details of unregistered products are being clarified with relevant stakeholders.*

Where the field auditors were unsure whether a product was registered for MEPS, the product details were collected (brand and model) and this information was checked against the detailed product registration database.

Regulators are investigating the status of unregistered products found in the survey. These results represent a 'worst case' scenario in terms of non-compliance as discussions are being held with suppliers to clarify if existing registrations may cover the alleged unregistered units.



# Air Conditioner Labelling Survey - 2005

In February 2005 NAEEEEC commissioned a study on the national compliance levels of energy labelling. Previous studies had been carried out in 1998 and 2001. The purpose of these studies is to provide an ongoing accurate quantitative assessment of labelling levels for Australia's appliance energy efficiency program. This study examines the proportion of airconditioners on display in retail stores that carried an energy label.

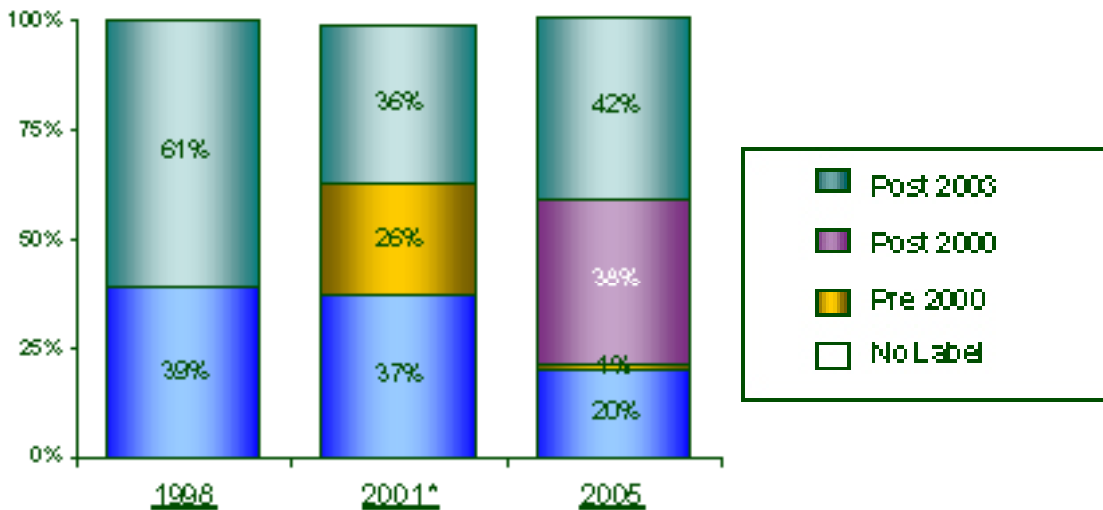
The survey was of retail outlets selling single phase airconditioners in each of the eight state and territory capital cities. The methodology was to survey all stock on display for sale and to record the number of appropriately labelled, inappropriately labelled and unlabelled appliances.

## Findings

- Some 100 retailers displaying 1,554 applicable electrical appliances were surveyed.
- 80% of all appliances examined bore an appropriate energy label, while 20% were either unlabelled or displayed a redundant label.
- The results show an improvement from the unacceptable levels reached in 1998 (61%), and in 2001 (63%).

The results from this survey ranged across jurisdictions possibly because of the small sample size. Regulators will repeat the exercise later in 2005 on a larger scale, which will include rural and regional locations in order to increase the accuracy of the results.

## National Energy Labelling Results by Year



\*Note: 2001 includes metropolitan and regional areas

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## Retailer Network Results

Some 7 national brands (defined as having 25 or more units on display) in retail stores recorded higher rates than the national average of 80%. Three of the seven have done even better than that and have recorded results of 90% and above.

### Brands with Higher Labelling Results:

	Brand	On Display (n)	Appropriate Label (%)
1	Electrolux-Kelvinator	112	96%
2	Celsius	30	90%
3	Kelvinator	60	90%

An 80% national level of compliance is an improvement on past studies, though the recent Whitegoods Labelling Survey with a 96% national level of compliance places this result in perspective. The whitegoods result sets a target level that the airconditioning industry should aspire to in the next survey.



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