



# E3 ACHIEVEMENTS 2015-16

[www.energyrating.gov.au](http://www.energyrating.gov.au)

*A joint initiative of Australian, State and Territory and New Zealand Governments*

# THE E3 PROGRAM

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The Equipment Energy Efficiency (E3) Program undertakes a range of activities to improve the energy efficiency of appliances and equipment sold in Australia and New Zealand.

The Australian Government, states and territories and the New Zealand government collaborate to deliver minimum energy performance standards, energy rating labelling and education products for appliances and equipment - to reduce energy use and emissions.

Over the past 12 months, the E3 Program has contributed, in avoided energy costs, more than \$1 billion to the Australian economy and \$114 million to the New Zealand economy. Combined, this is an estimated 11.8 million tonnes of carbon emissions avoided per annum.

## ACHIEVEMENTS 2015-16

An **Independent Program Review** found that significant energy cost savings are likely to be realised by the E3 Program, in a cost-effective manner.

The **E3 Prioritisation Plan** identifies how the E3 Program will accelerate policy development and focus on regulating products that will deliver the most energy and emissions savings.

The Plan identifies six priority areas: lighting, non-domestic fans, swimming pool pumps, refrigerated storage and display cabinets, air conditioners (including chillers) and domestic fridges and freezers.

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*Our focus is on regulating products  
that will deliver the most benefits*

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The E3 Program will continue to regulate other products covered by legislation, with priorities updated regularly to reflect new and emerging products, changes in technologies and developments in international regulations.

## POLICY DEVELOPMENT

### The Energy Rating Label

Determinations for washing machines, dryers and dishwashers have been revised to allow up to 10 stars on the Energy Rating Label.

### Air conditioners and chillers

A consultation Regulation Impact Statement was released in February. Public consultation sessions were held across Australia and New Zealand.

### Commercial refrigeration

A consultation Regulation Impact Statement was completed in June and has been publicly released.

### Lighting

Commercial Lighting and Light Emitting Diodes (LED) Product Profiles were released in July and August, with public consultation sessions held across Australia and New Zealand. A consultation Regulation Impact Statement is being developed.

### Other priority areas

Consultation Regulation Impact Statements are underway for non-domestic fans, swimming pool pumps and domestic fridges and freezers.

### Residential Baseline Study

The study, released in October 2015, identifies residential energy use in Australia and New Zealand between 2000 and 2030 and will be used to inform future policy development.

### Street lighting

E3 Committee research on international street lighting efficiency best practice assisted the Road Lighting Standard Committee in their review of road lighting standards. A new technical specification published in October 2015 now includes a minimum luminaire efficacy rating.

## GEMS REGISTRATION

During 2015-16, the GEMS Regulator approved 5,027 applications in Australia and responded to 1,186 enquiries. On average, applications were approved in just 3.3 days. Two exemption requests were granted.

A stakeholder survey on the registration process found that 77 percent of respondents were satisfied with the process overall – and 80 percent agreed their applications were processed in a timely manner.

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*We've achieved a 77% satisfaction rate among registrants*

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As at 30 June 2016, a total of 22 determinations were in effect under the GEMS Act. The determinations are legislative instruments that specify GEMS requirements.

## GEMS COMPLIANCE

In Australia, the GEMS Regulator completed check tests of 103 products. Of these, 76 met GEMS requirements, while 27 did not. In response, the GEMS Regulator cancelled 11 registrations and took alternate enforcement actions against 16 models.

Market surveillance activities revealed high levels of registration compliance for a range of household GEMS products. However, labelling compliance results in Australia revealed room for improvement for other products, notably in the industrial sector. GEMS inspectors are working closely with this sector and will conduct follow-up market surveillance.

In total, 45 allegations of suspected non-compliance with the GEMS Act were investigated. The majority of these allegations related to the supply of unregistered GEMS products and labelling issues.

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*Increased market surveillance with more GEMS inspectors on board*

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New Zealand saw record numbers of products being labelled. This was achieved through the success of initiatives such as the 'No-Label No-Display' policy and retailer head office engagement. These initiatives resulted in a significant increase in compliance – to almost 100 percent.

## E3 COMMUNICATIONS

The Energy Rating website was re-launched, with a number of new products including:

- Energy Rating Calculator (online and app)
- Light Bulb Saver app
- videos and infographics
- consumer guides.

In New Zealand, the 2016 Energy Efficiency and Conservation Authority (EECA) Awards were announced, celebrating excellence and innovation in energy efficiency or renewable energy. EECA also provided sponsorship for the ENERGY STAR Supplier Partner and Retailer Partner at the 2016 Wares awards. EECA's three websites were unveiled in August 2015 following a major update.

- [www.energywise.govt.nz](http://www.energywise.govt.nz)
- [www.eecabusiness.govt.nz](http://www.eecabusiness.govt.nz)
- [www.eeca.govt.nz](http://www.eeca.govt.nz)

The **Efficiency Standard** newsletter was distributed each month to almost 1,000 subscribers, keeping stakeholders up-to-date on program and compliance activities.



## WORKING WITH RETAILERS

The National Retail Engagement Strategy was jointly developed and delivered by E3 and the Smarter Choice program in Victoria and New South Wales. The strategy defines how we work with retailers to communicate the benefits of energy efficiency and use of the Energy Rating Label.

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*Retailers are helping customers get the 'best buy' – on price and running costs*

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### Energy Rating Label online

An initiative was launched to display the Energy Rating Icon on retailers' websites.

The initiative encourages retailers to voluntarily display the Icon – which is a simplified version of the Energy Rating Label. So far, JB Hi-Fi, Kogan, ALDI, Betta Home Living and E&S Trading are already displaying the Icon.

The program also encourages retailers to make use of the Energy Rating dataset and display products' average annual running costs – and total lifetime cost. Annual running costs are now available on the comparison website, Save Energy, Save Money.

### Energy Rating Calculator

The Energy Rating Calculator is now available for retailers to embed into their own websites.

Both Harvey Norman and Bosch have integrated the calculator into their websites.

### Retailer Training

The retailer training program consists of eight online modules on labelled appliances, lighting and the Energy Rating Label. Myer, Mitre 10 and Bunnings have integrated the modules into their in-house, national learning and development programs.

## INTERNATIONAL LIAISON AND COORDINATION

In May 2016, Australia commenced its appointment as the new Chair of the International Energy Agency's (IEA) Technology Collaboration Program on Energy Efficient End-use Equipment (IEA 4E TCP).

This two year role will be performed by Michelle Croker, Chair of the E3 Program committee.

The appointment will be beneficial to E3 by increasing opportunities for information exchange and supporting Australia and New Zealand's continued work through E3 to harmonise test methods and energy efficiency standards with international requirements.



## LOOKING FORWARD

**In 2016-17, the E3 Program will be focused on delivery of the E3 Prioritisation Plan, further improvements to our registration processes, greater compliance presence, increased promotion of education products and completion of the GEMS Fees Review and GEMS Regulator Performance Framework assessment.**

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