

# “Basket of Products” - A global approach to measuring standby power

The Standby Power Annex provides government policy makers with information, reports and tools to combat the energy wasted by products in standby power and other low power modes. This briefing explains the “Basket of Products” initiative that has resulted in the measurement of standby power in over 13,000 appliances, across 21 countries, demonstrating successful international cooperation and providing a cost effective methodology for collecting and sharing large amounts of data.



## Observations for Policy Makers

- **Good policy is reliant** on the availability of good data.
- **Policy makers can access the basket of products toolkit** which enables the cost-effective collection of standby power data for baseline and trend analysis as well as policy evaluation.
- **Using the same methodological approach globally** allows for sharing and comparison of results, providing policy makers with access to a broader pool of data.
- **International collaboration of this kind allows** prudent use of resources, time and financial investment, especially when dealing with globally traded products.

## More Information

Access to much of the data is available only via agreement with individual participant countries, following the rules of the data sharing agreement. However some data is publicly available and can be accessed at [www.energyrating.gov.au/products-themes/standby-power/international/](http://www.energyrating.gov.au/products-themes/standby-power/international/). In addition to the Annex website (<http://standby.iea-4e.org>), more information can be found at [www.selina-project.eu](http://www.selina-project.eu).

All publicly available documents produced by the Annex can be accessed on the Annex website <http://standby.iea-4e.org>. The Annex also produces a Newsletter providing regularly updates on international standby issues and events. Free subscription is available via the website.



## What is the “Basket of Products”?

The aim of the ‘Basket of Products’ initiative is to gather a representative set of standby measurements on a common set of products. This provides policy makers with up-to-date information on standby power consumption, enabling them to spot trends and compare results with other countries.

The project represents an international collaboration between the 4E Standby Power Annex, the Asia Pacific Partnership Program and the IEE SELINA.

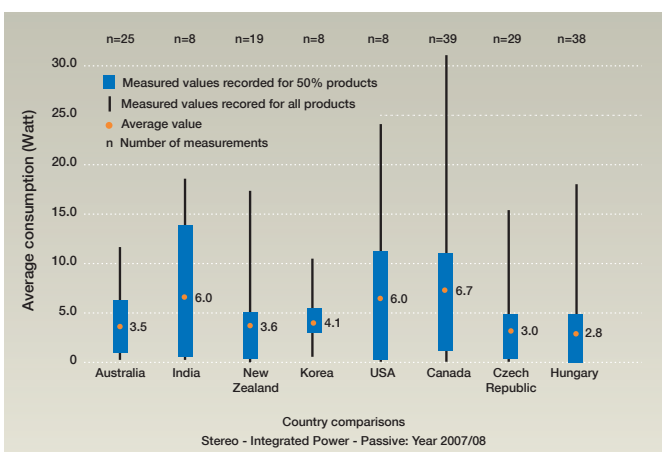
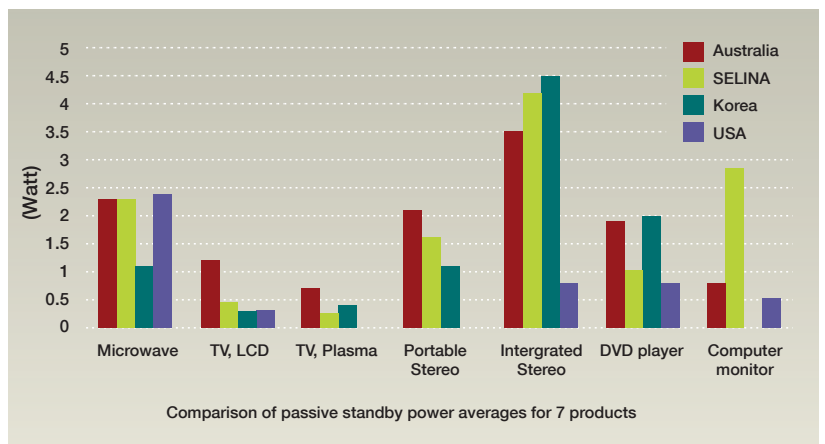
## How was the Project Organised?

The project focuses on measurements predominantly taken in retail outlets in order to capture the performance of current appliances in standby and off modes, minimise testing costs and increase the range of products included.

The standardised data collection process includes a guidebook and associated spreadsheet providing detailed instructions on how to measure each of the power modes and record model information for over 50 product types.

Participating countries have agreed to a list of core products which are measured as a priority. Well-resourced countries are encouraged to measure additional products with no limit on the number of product types that can be measured.

A data sharing protocol has been established to ensure integrity and transparency of process and security of the data.



## Achievements

Over 13,000 home entertainment, ICT and white good appliances have been measured using the common methodology across 21 countries. The results were a key component of the ‘Standby Trends for Televisions’ report submitted to the Clean Energy Ministerial Meetings in April 2012 and has had an impact on policy development in North America, Korea, Europe and Australia.

## Next steps

The IEA is currently exploring how the ‘Basket of Products’ methodology can be extended to the measurement of networked products and network standby. It is anticipated that an updated methodology will be available by the end of 2013.