



Standby Power

Consultation Regulation Impact Statement

Rendezvous Hotel, Melbourne/The Menzies Hotel, Sydney
Presentation on behalf of the E3 Committee, 18/19 September 2013

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

Summary

- How did we get to this point?
- Scope of the standby power RIS
- The problem (market failures)
- Policy options considered
- Recommendations
- Costs and benefits, projected impacts
- Implementation
- Next Steps



How did we get to this point?

- In 1999 the IEA launched its One-Watt Initiative
- In 2000 all Australian jurisdictions agreed to support the IEA initiative.
- Since 2001, annual store surveys conducted to measure standby power of a range of products
- Also, household intrusive surveys conducted every 5 years (2000, 2005 & 2010)
- Residential standby power usage remains constant at 10% despite standby power decreasing on a per product basis



Scope of the Standby RIS

- All products covered by the EU scheme
 - Plus products that exhibit problems in AU/NZ
- Standby and off mode
 - Standby mode: connected to a mains power source and offers one or more of the user orientated or protective functions but is not providing one or more of the device's prime functions
 - Off mode: connected to a mains power source and is not providing any standby or active mode function.



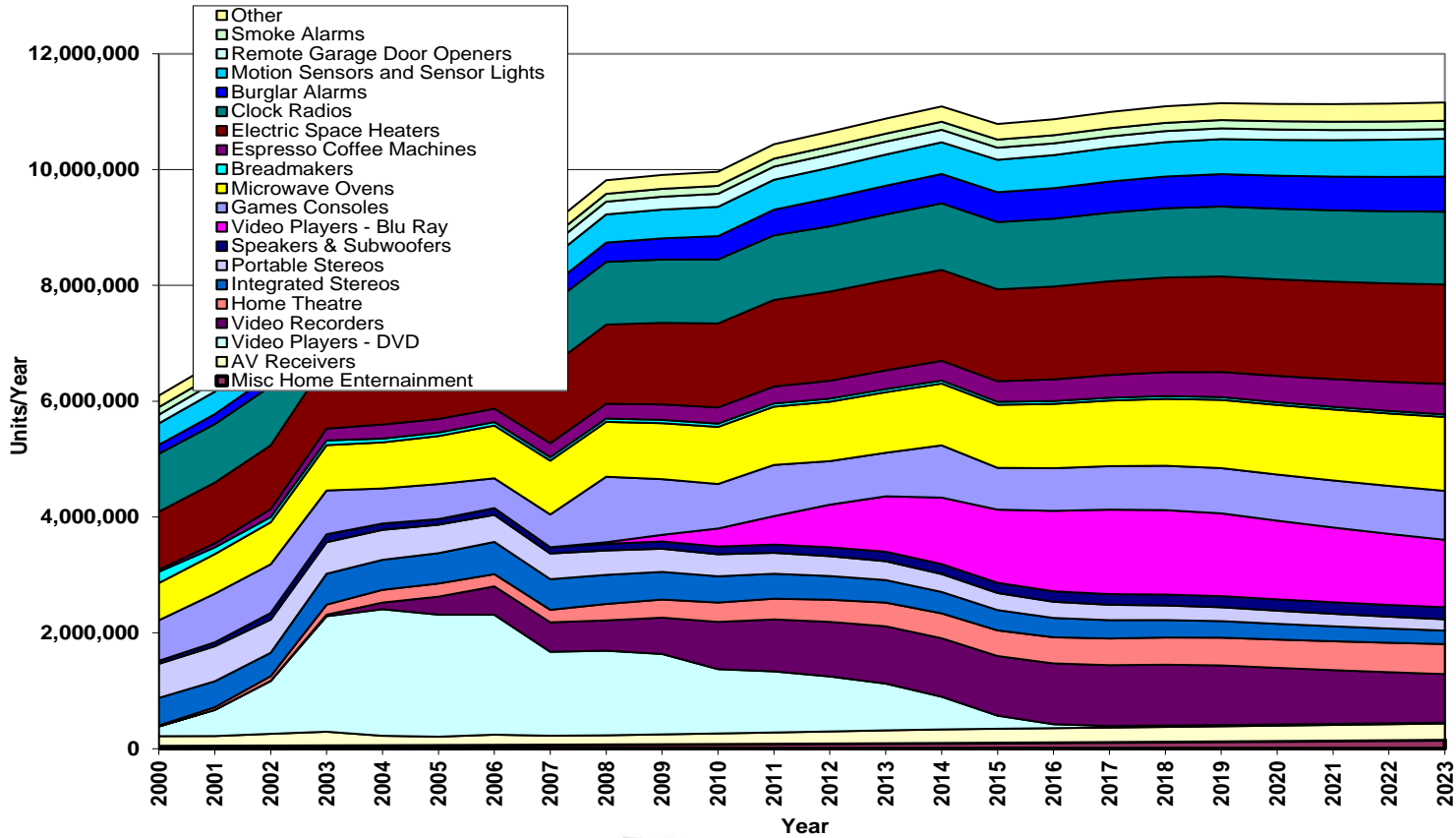
The Problem

- The level of standby power that is achievable in the manufacture of appliances
- How consumers incorporate standby power usage of appliances into their purchasing decisions
- The amount of standby power used by domestic electronic equipment and appliances



The Problem

Annual Sales of Equipment by Category: Australia Base Sales Scenario



Policy Options Considered

- Business as Usual
- Mandatory Labelling
- Mandatory MEPS
- Direct Linking to EU Scheme
 - But would not allow for AU/NZ scope changes
 - Requires all products to obtain CE mark
- Voluntary Measures
- Education Campaigns



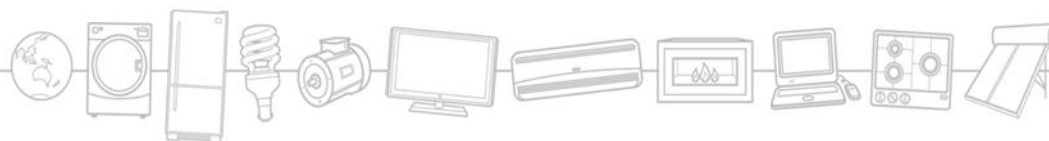
Recommended Option

- Regulate to the EU requirements
 - Mirror European Commission European Commission Regulation No 1275/2008 Tier 2

Mode	Tier 1 – 2010	Tier 2 - 2013
Off mode	1 Watt	0.5 Watt
Standby mode with only reactivation	1 Watt	0.5 Watt
Standby mode with any display function	2 Watt	1 Watt

- Auto Power Down (APD)

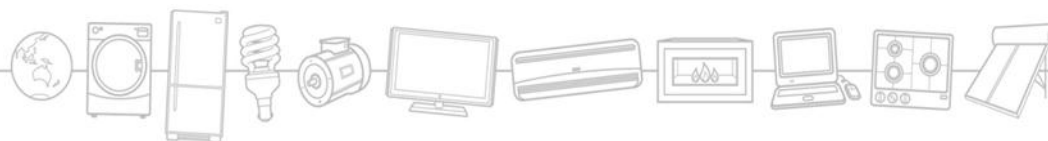
“that automatically switch equipment, after the shortest possible period of time appropriate for the intended use of the equipment, into off mode, standby mode....”



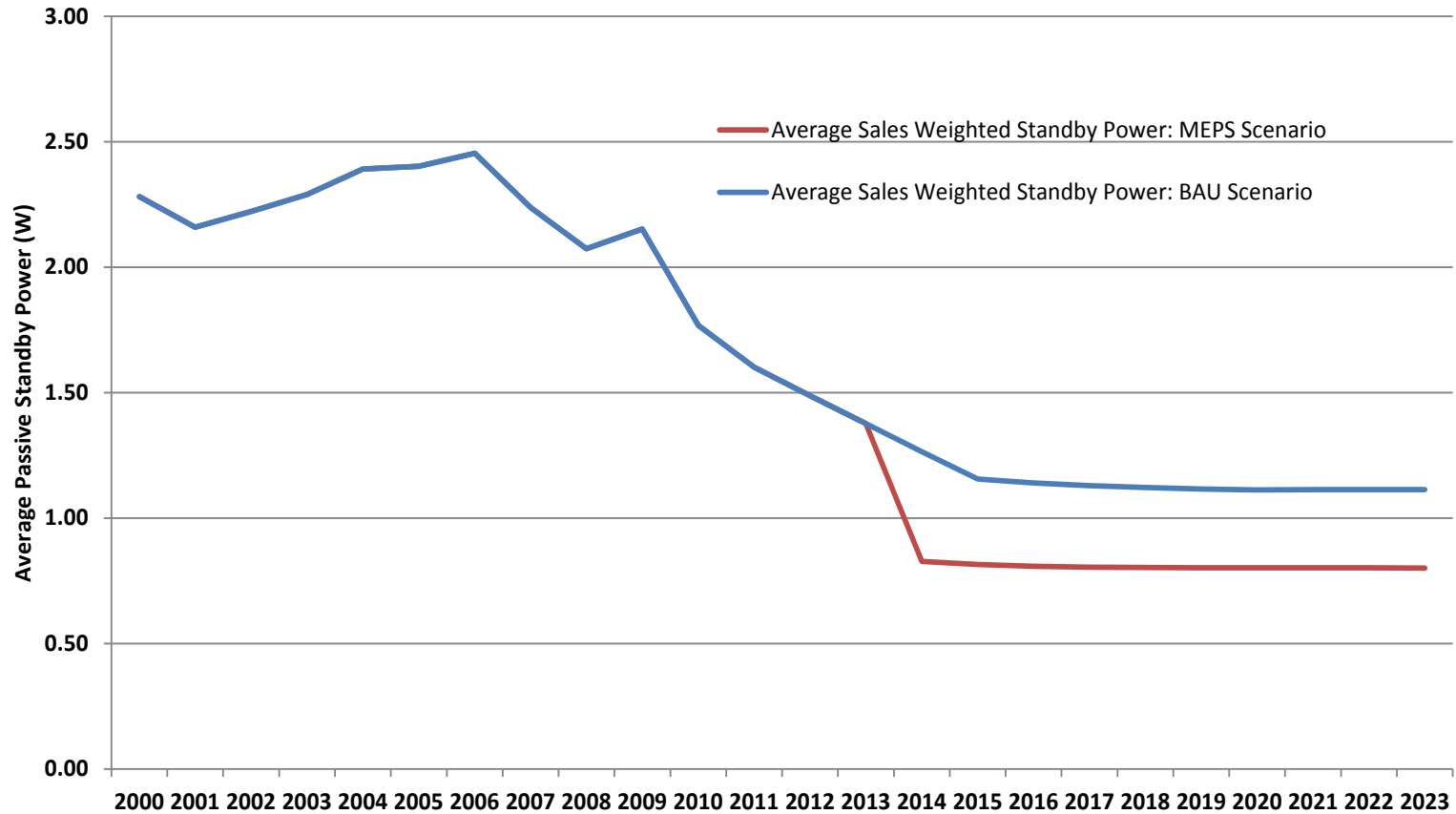
Cost Benefits

Cumulative Values from 2013-2023

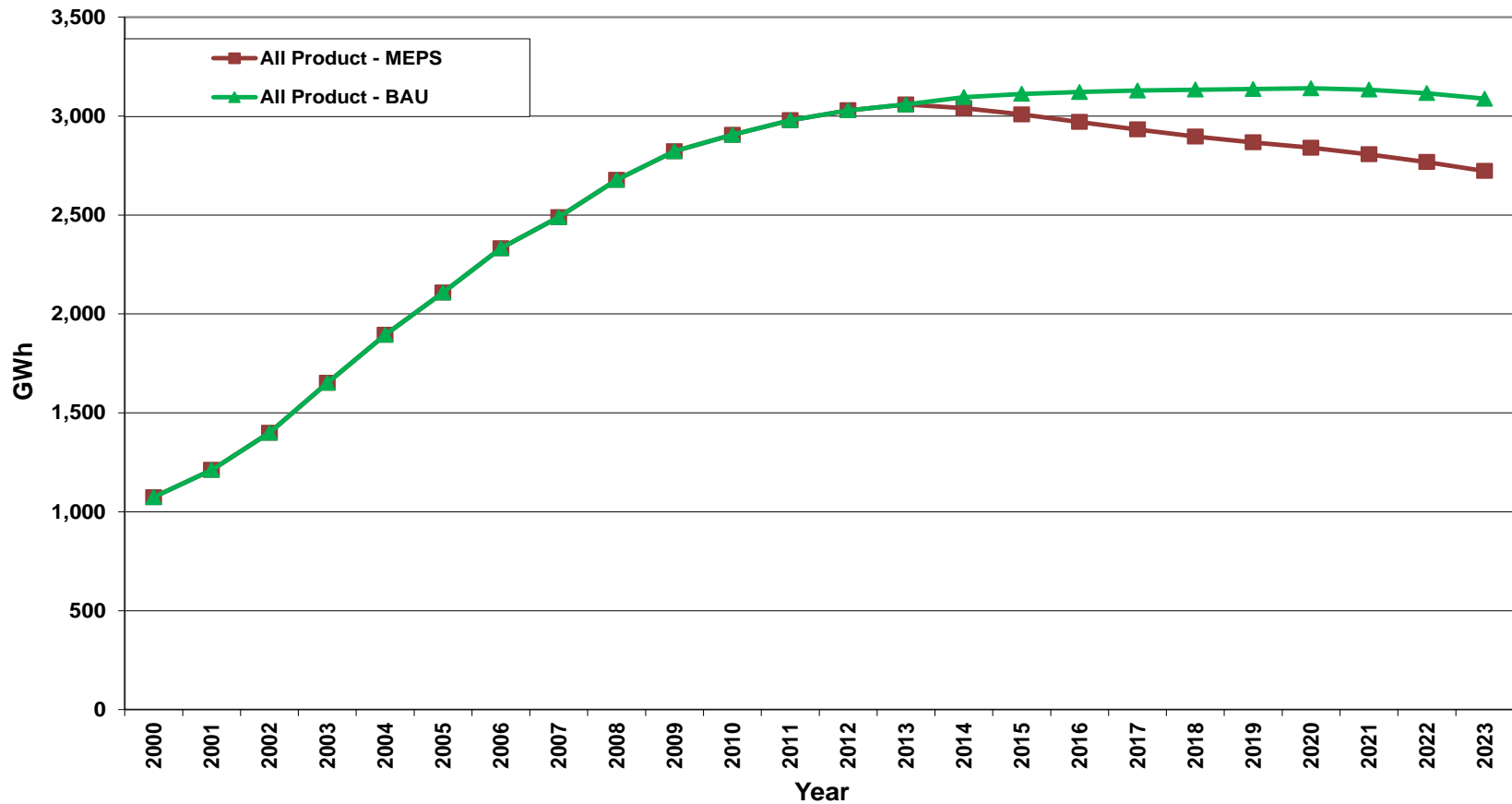
Measure	Units	Aust	NZ
Energy Saved compared to BAU	GWh	2,355	299
GHG Emission Reduction compared to BAU	Kt CO ₂ -e	1,928	39
Total Benefit	AU\$M/NZ\$M	\$679	\$75
Total Cost	AU\$M/NZ\$M	\$56	\$11
Net benefit	AU\$M/NZ\$M	\$624	\$63
Benefit Cost Ratio		12.2	6.6



BAU compared to MEPS



Australian Annual Energy Benefits



Implementation

- In Australia - GEMS Determination
- In NZ - Energy Efficiency Regulations 2002
- Regulation to cover:
 - Product categories
 - Test Standard - AS/NZS62301
 - Levels for MEPS
 - Process to exclude categories of electronic products
 - No registration is required



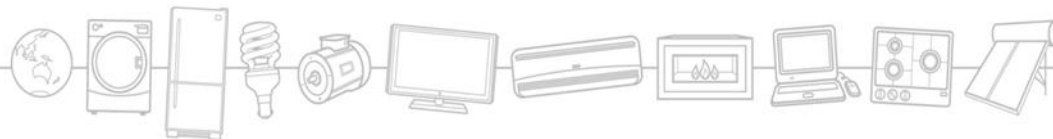
Comments on the RIS

- Additional data/information available to improve the assumptions or findings of this RIS
- Any adverse impacts to product quality and/or functionality
- Are small businesses likely to experience any disproportionate costs



Next Steps

- Consultation period to 11 October 2013
 - Written submissions required for formal status
 - Comments in information sessions will be noted but have no formal status
 - Please address questions in RIS on page 38
- Review submissions and prepare Decision RIS
 - Approval by OBPR required
 - Approval by Standing Council on Energy and Resources for Ministers' decision
- Start date to be not less than 12 months after ministerial approval

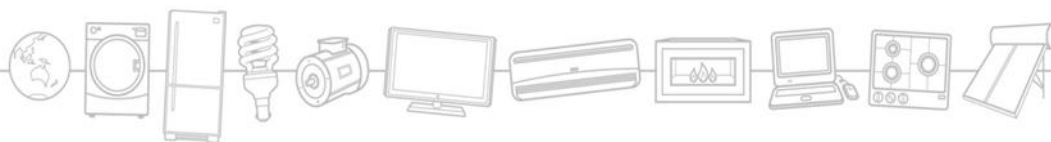


Written Submissions

Email to: E3.Appliance@ret.gov.au

Subject line “Comment on Standby Power Consultation RIS”

Mail to: Appliance Energy Efficiency Team
Energy Efficiency Division
Department of Resource, Energy and Tourism
GPO Box 1564
CANBERRA ACT 2601



Break then Questions

