



Case Study: Australian Energy Efficiency Opportunities Program

Industry Stream

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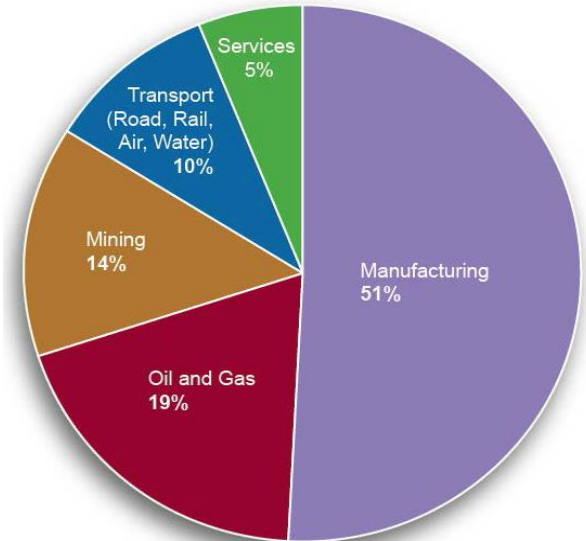
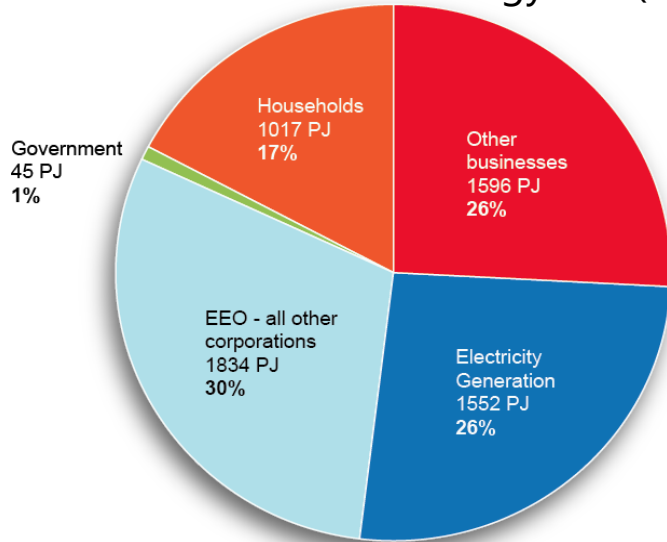
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- Established in July 2006, operated until 2014
- Built on previous voluntary programs
- 18 month industry consultation (2004-05)
- Objective of EEO Program was to:

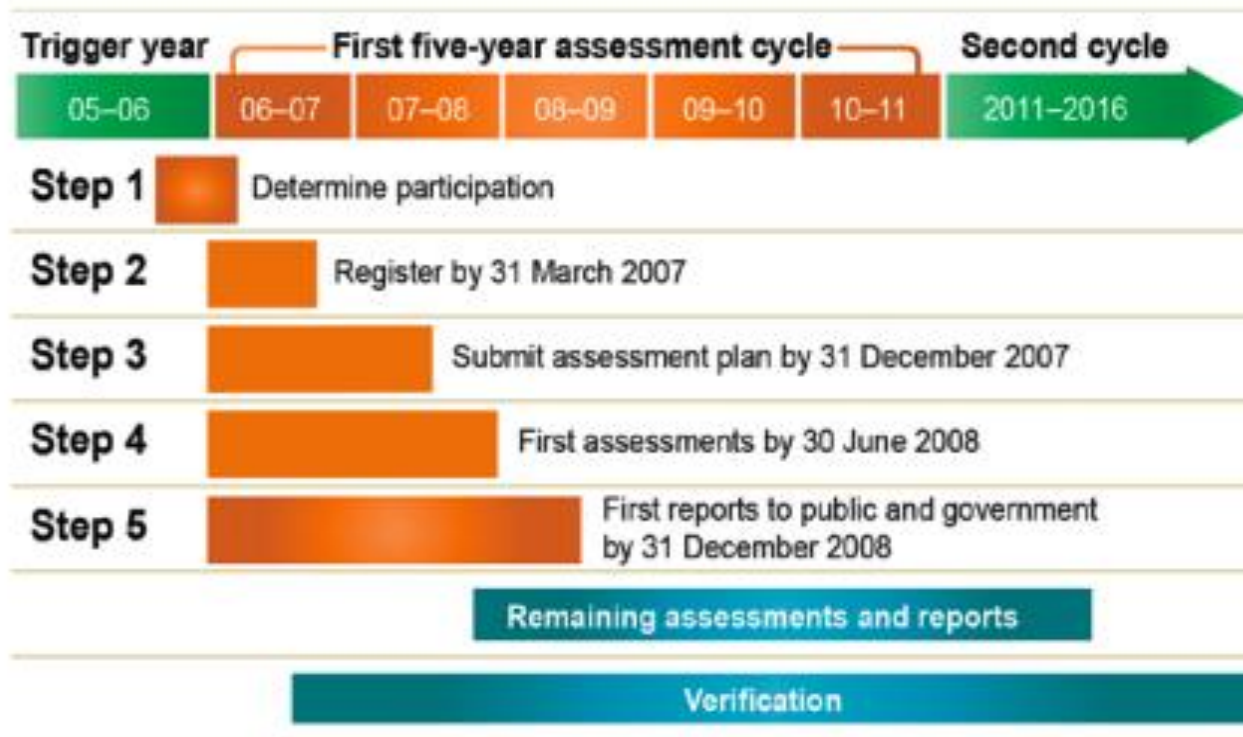
Improve the identification and evaluation of energy efficiency opportunities by large energy-using corporations and, as a result, encourage implementation of cost-effective energy efficiency opportunities.

Mandatory participation ensured strong coverage

- Participation mandatory for corporations that used more than 0.5 PJ per financial year
- Corporations in the mining, manufacturing, commercial, services, transport and electricity generation (from July 2011) sectors.
- 30% of Australia's energy use (later 56%), manufacturing largest energy using sector



A step-by-step approach



**Rigorous and Comprehensive
Assessments**



Leadership

People

Information, Data & Analysis

Opportunity Identification & Evaluation

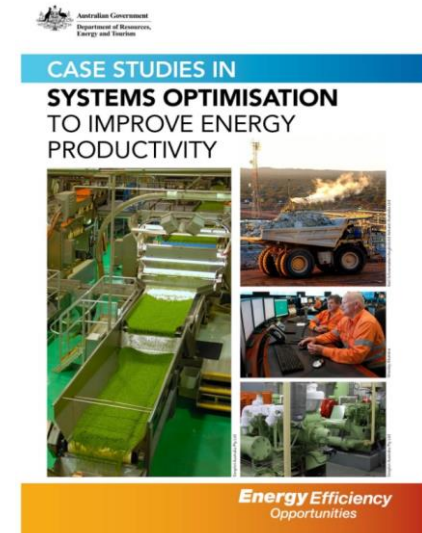
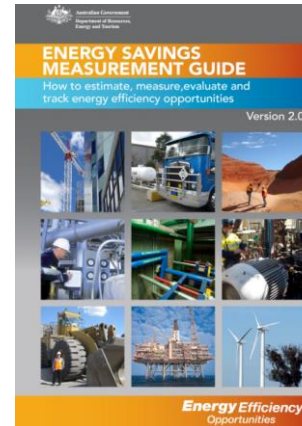
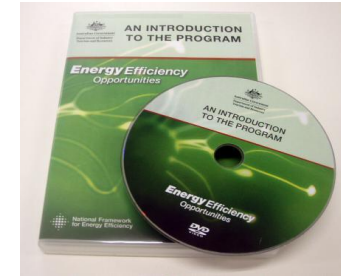
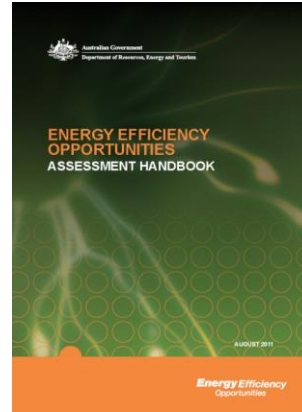
Decision Making

Communicating outcomes

SIX REQUIREMENTS

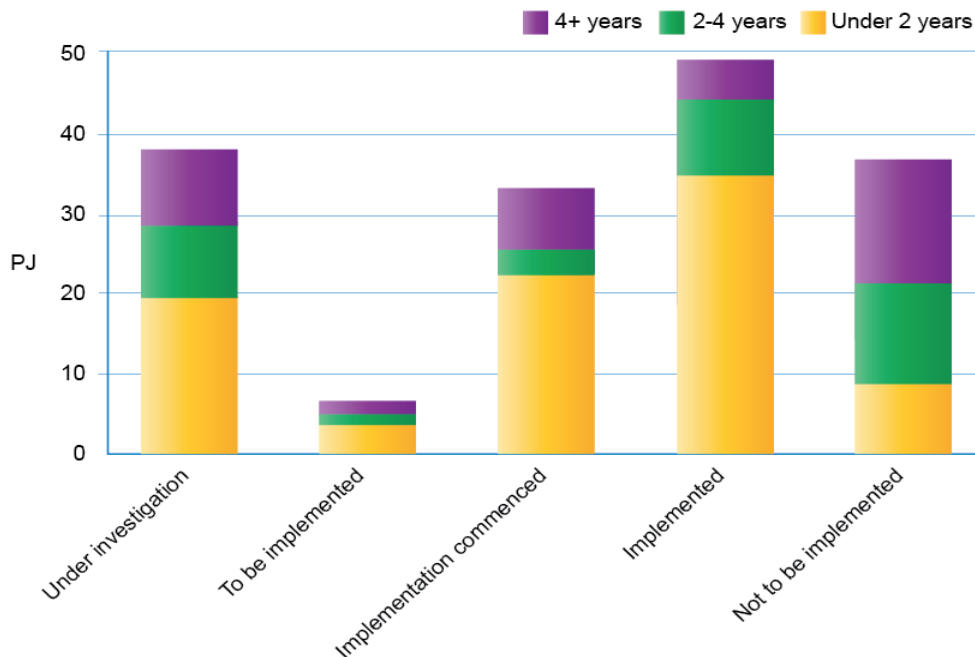
Companies were provided with a lot of support

- Guidance materials
 - DVDs, handbooks, how-to guides, case studies
- Dedicated points of contact within Government Department
- Annual workshops in every state
 - Update new participants on program requirements
 - Share lessons



Data from reports was a valuable resource

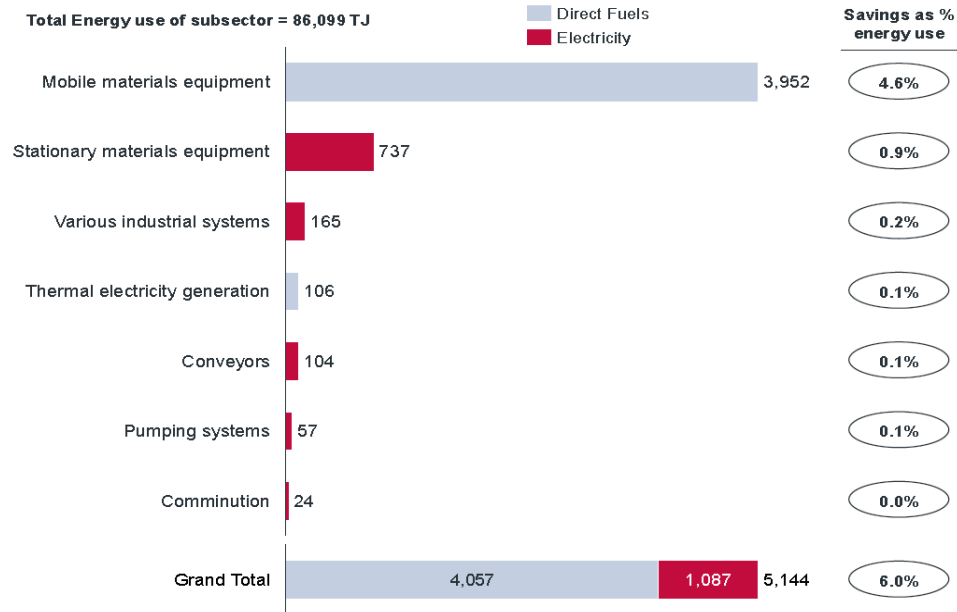
Identified energy savings by business response and payback period, 2006-11



Corporations reported that over half of the identified savings occurred in projects that had a less than two-year payback. 68% of these savings, were in projects that had been adopted.

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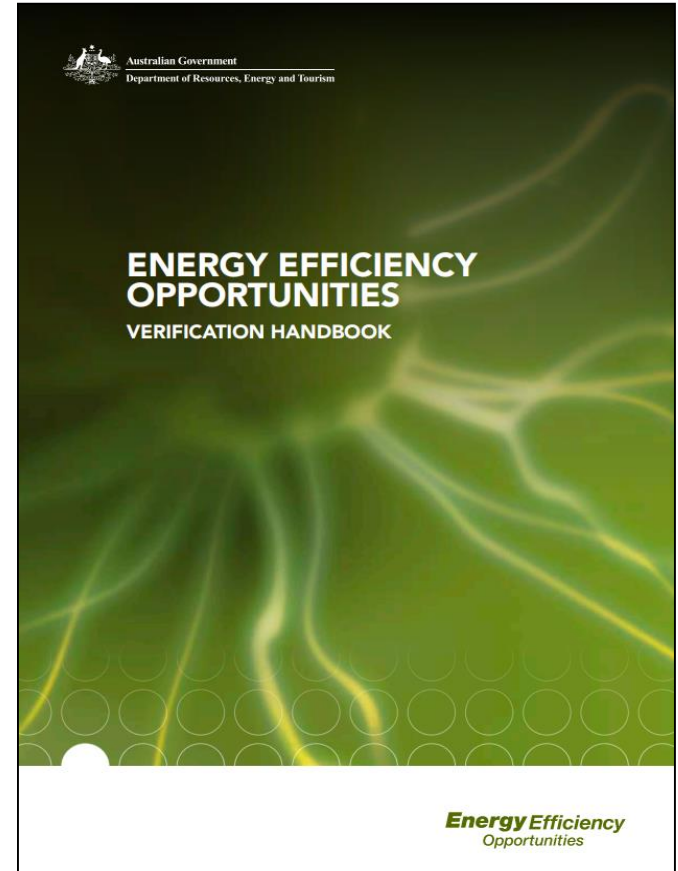
Identified energy savings in open-cut coal mining, 2010-11



Source: ClimateWorks Australia, *Industrial Energy Efficiency Data Analysis Project*, 2013

Data collected from EEO Program was provided to a research group where it was used to get a greater understanding of the energy savings possible with industry sub-sectors

- Ongoing compliance checks through annual reports.
- Desktop verification (100 per year):
 - Company survey
 - Risk rating for company
- Full verification:
 - Selected based on desktop review
 - Site visit and full day interview
 - Checking compliance against all components of EEO Assessment Framework
 - Verification report prepared and recommendations made
- Penalties could be applied for serious non-compliance.



- Company success relied on the people involved in the assessment
 - Consultants are valuable, but best results when company owns the process
- Data was critical, but reporting must not become the sole focus
- Need to allow different means of complying with program requirements
 - Energy assessment approaches vary across industry sectors
- Mandatory energy efficiency policies force action, but does change focus of company
 - Compliance becomes priority, not energy efficiency.
- Without incentives, industry may not go beyond business as usual
- Constant engagement essential for industry policy



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