

ENERGY EFFICIENT BUSINESS TEAM

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Energy Efficient Business
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Energy Saver Program

- Energy audits and assessments (18,000 incl. 475 large sites)
- Provide businesses with EE information, resources and tools
- Develop the EE financing market
- Energy Efficiency Training (15,000 ppl)

Program evolution

2009 – program start

Energy auditing panels
Subsidy levels
Technical support
Training across disciplines
Market transforming resources

2013 – [Energy Efficiency Action Plan](#)

A new policy direction

- A market transformation approach
- Market based delivery
- Doing what only government can do to address market failures
- Cost effectiveness
- Regional delivery
- Ongoing evaluation and improvement

New Program Delivery Model

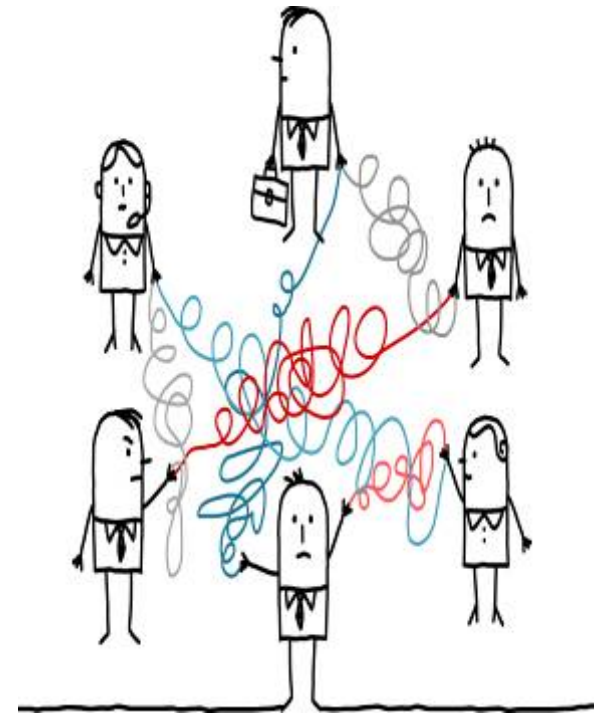


From one to one service provision

To one to many service provision

Market failures and barriers

- Information and expertise
- Transactions costs – hassle factor
- Capital cost and payback/investment period
- Organisation structure & decision making
- Split incentives

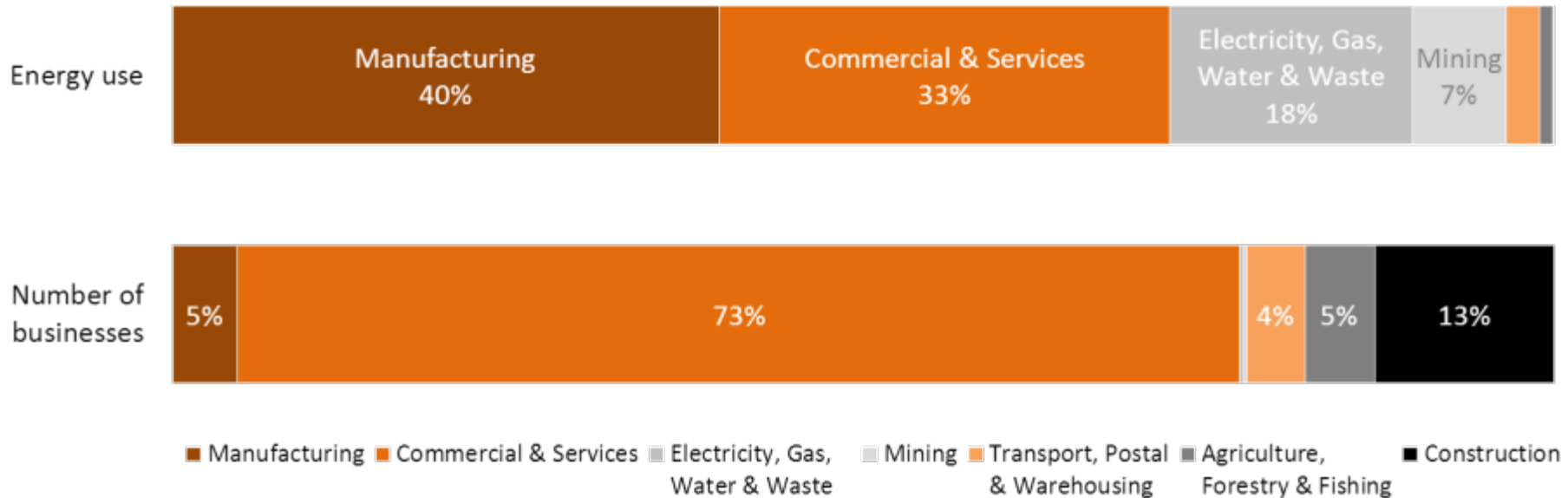


Energy Efficient Business Actions

- Targeted investigations in priority sectors, including heritage buildings
- Industry sector and technology best practice energy efficiency guides
- Energy efficiency training workshops
- Enhance the Energy Savings Scheme Rule
- Energy Savings Scheme tools
- [Environmental Upgrade Agreements](#) and other financial contracts

Knowing Our Market

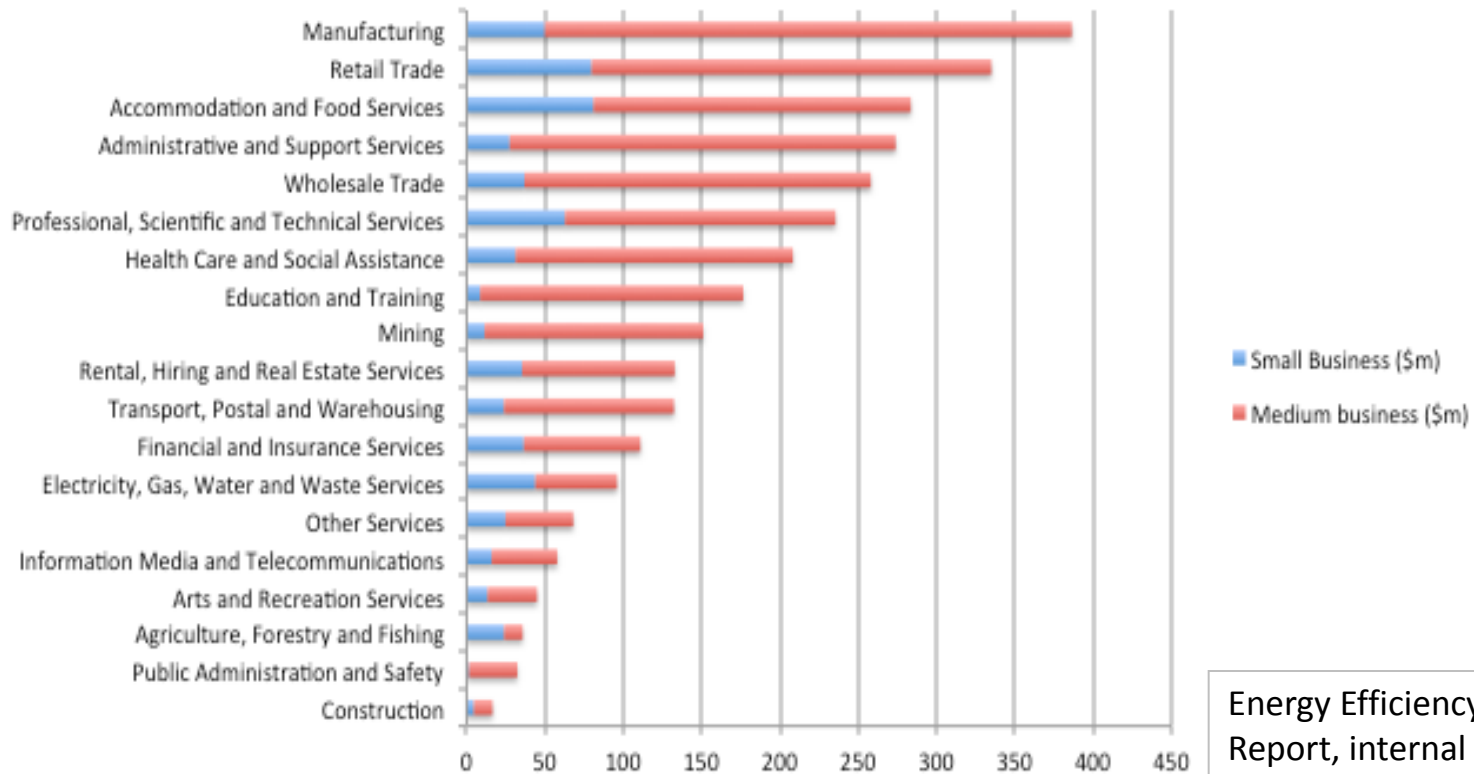
370,000 NSW businesses consume 60TWh annually



Internal OEH analysis, 2013

Total market for capital expenditure **\$3 Billion**

Estimated Sector Opportunities - Capital Cost (\$'m)



Energy Efficiency Financing Report, internal OEH report, 2013

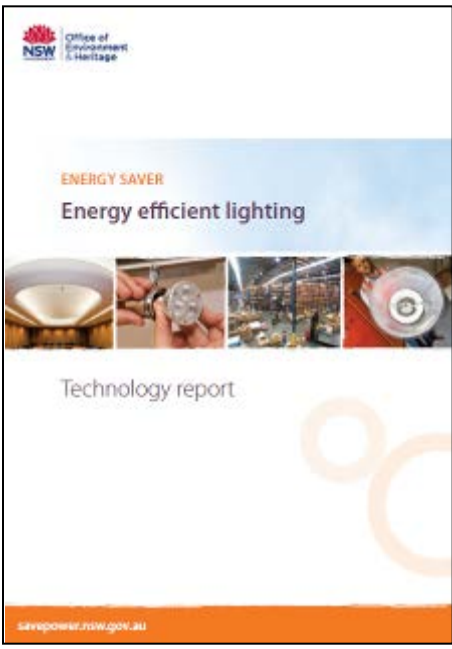
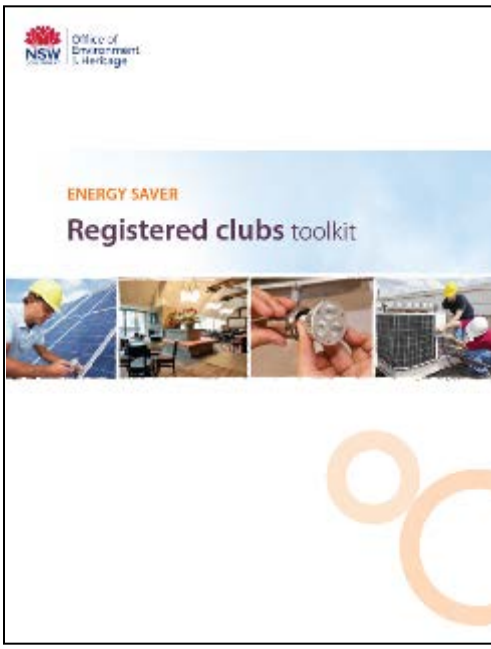
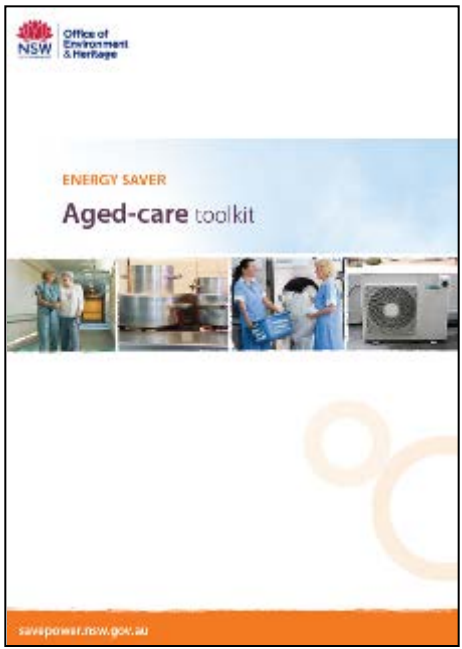
Priority Sectors and Technologies

Sector	Technology
Data Centres	Air compressors
Sawmills and wood product manufacturing	Voltage power optimisation
Polymer product manufacturing	Commercial refrigeration
Warehousing and cold storage	HVAC
Heritage buildings	Sub metering
Industrial or commercial premises for Environmental Upgrade Agreements	Cogeneration Gas



20 sectors

Best practice energy efficiency resources



- Cogeneration
- Compressed Air
- Sub-metering

Commercial Refrigeration



Photo Courtesy of REMIS America, LLC

Energy audit of supermarket commercial refrigeration



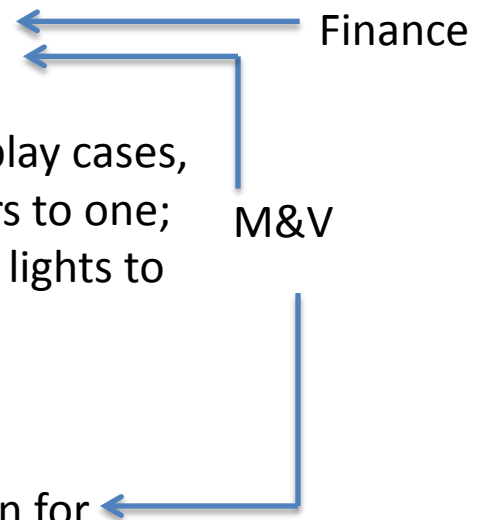
Retrofit doors to display cases, reduce 3 compressors to one; upgrade display case lights to LED



Public information for suppliers



Generation of ESCs





Thank you

Sustainability Advantage Program

Program Purpose

Help medium to large companies identify and respond to sustainability risk and opportunities.



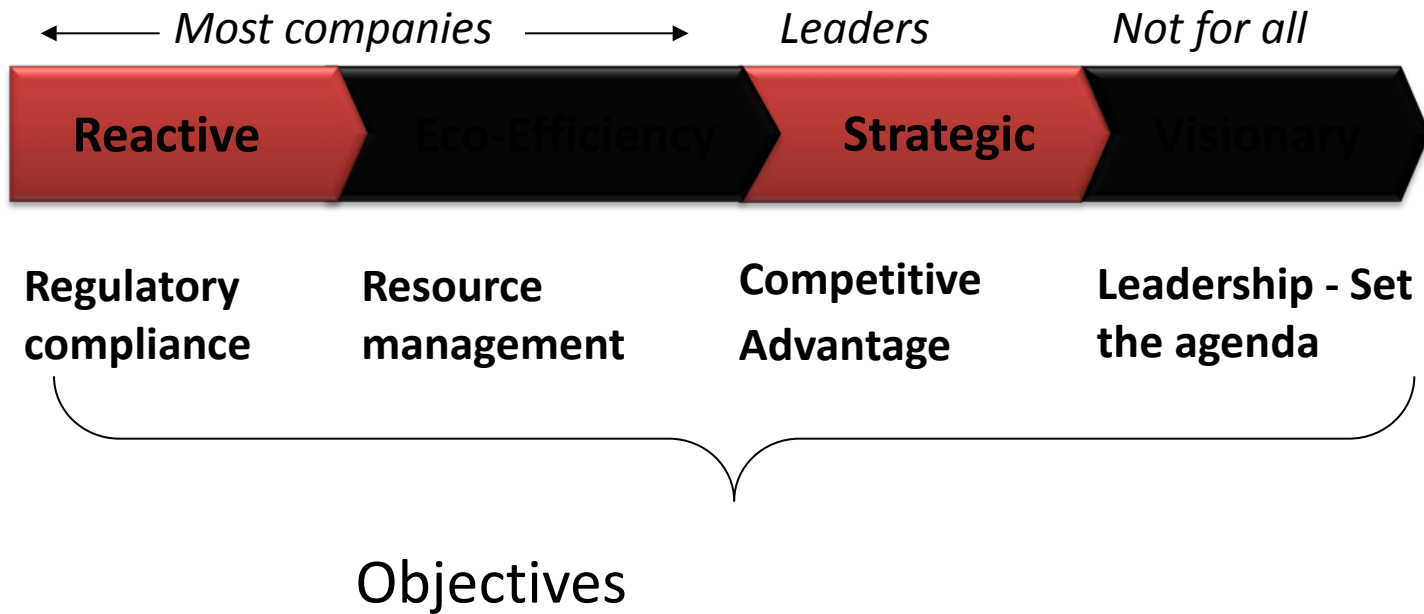
Achieved through:

- Individual support
- Networking opportunities
- Facilitated workshops

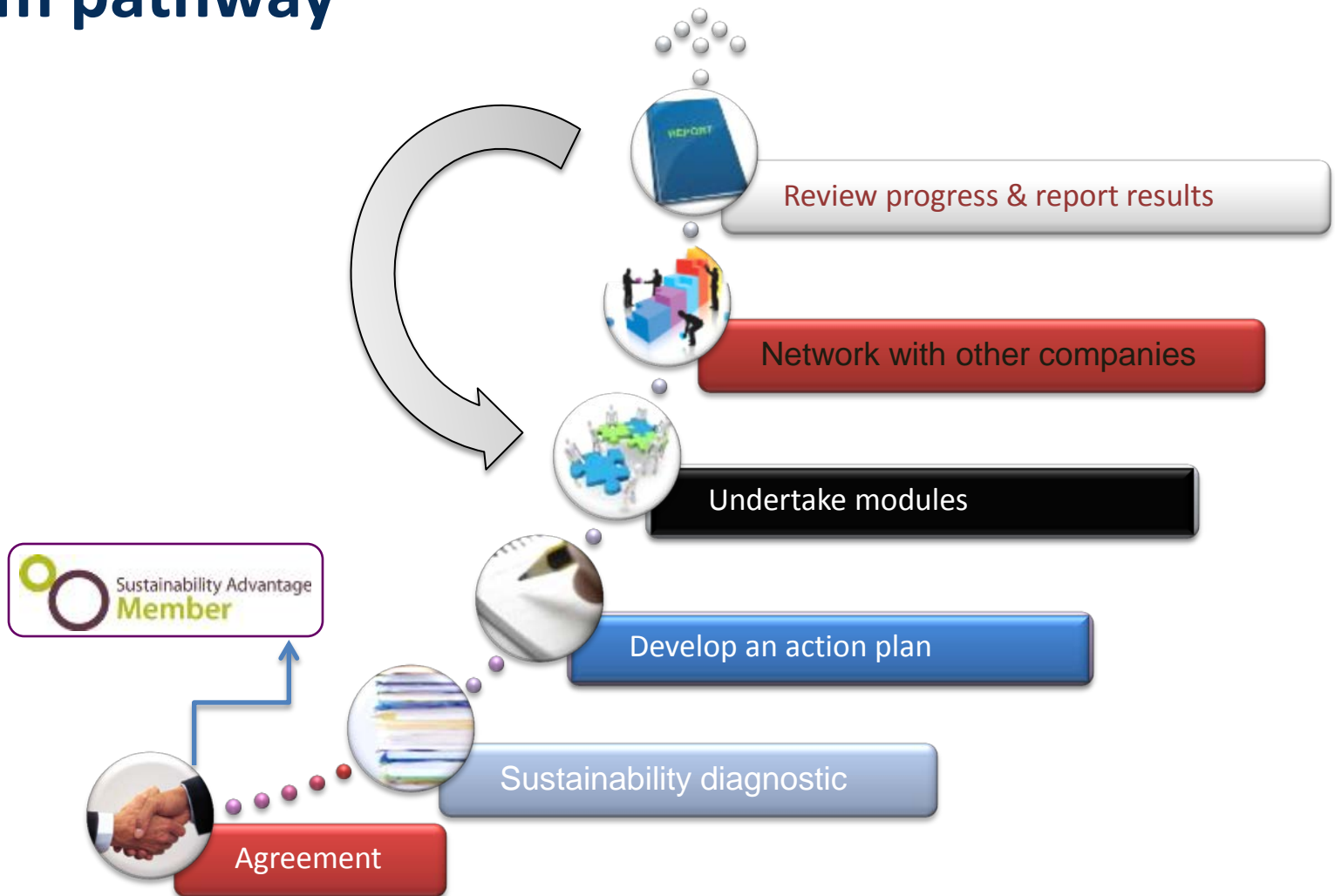
Program Overview

- Currently in its 7th year
- 536 members - 50% regional NSW
- \$84 million in annual member resource savings (energy, water, waste)
- \$1.8 million annual budget
- 14 full time employees

Program's Sustainability Roadmap



Program pathway



Expert Collaboration and Guidance



Business Planning



Resource efficiency



Staff engagement



Supply chain
management



External stakeholder
engagement



Environmental risk
and responsibility

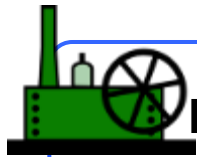


Carbon management

Networking



Aged Care



Manufacturing



Tertiary Education



Government



Property and Infrastructure



Industrial Ecology



Printing



Clubs



Tourism & Hospitality



Food manufacturing

Direct Comparison

Recognition Scheme



Industry Benchmarking

