



# A Climate of Change

Book One



**In 2007/08 the Victorian Government  
helped lead a climate of change for  
a ResourceSmart future.**



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# Chair and Chief Executive Officer's Foreword



*Jan Trehwella (acting CEO, Feb-June 2008);  
Mike Waller (Chair); Anita Roper (CEO).*





# Climate **change** is one of the most pressing issues for our community.

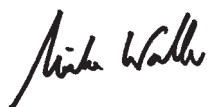
**The Green Light Report, an extensive research report into behaviours and attitudes to climate change commissioned earlier this year, revealed that 84 per cent of Victorians are ready to act on climate change. They are asking what actions they can take at home, at work or in their local communities to make a difference.**

We have a number of key programs and partnerships in place which have helped Victorians make major progress in reducing greenhouse gas emissions. Last year these initiatives achieved 1.2 million tonnes more greenhouse gas abatement than the previous year, with Victorians cutting emissions by a total of 3 million tonnes. This has put Sustainability Victoria on track to achieve our target of cutting 10 million tonnes by 2010.

In 2007/08, through the Victorian Government's rebates program, we helped more than 3,000 households install insulation and highly efficient solar and gas hot water systems. We supported low income households to reduce energy costs and greenhouse emissions through home retrofits under the Energy and Water Task Force.

We also continued our work with industry and local governments to improve resource recovery across the state, ensuring we remain on track to deliver Victoria's Towards Zero Waste targets.

As national marketing manager of GreenPower, we supported the 28 per cent growth in GreenPower sales and raised awareness of accredited renewable energy products with the launch of Melbourne's first wind-powered tram.



**Mike Waller**  
Chair

With the 'Change the Globe' campaign we put 500,000 low energy globes into Victorian homes, cutting greenhouse emissions by at least 220,000 tonnes.

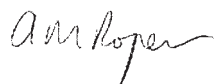
The Renewable Energy Support Fund showcased the broad range of renewable energy resources available in Victoria by supporting practical commercial applications of renewable energy technologies.

In our own operations, we remained carbon neutral and secured international standard ISO 14001 certification for our Environmental Management System. This was achieved alongside a strong financial performance.

Book one explains our activities, and how we worked with others to deliver solutions. It also includes a performance snapshot showing how we measured up to the targets we set ourselves at the beginning of the year. Book two contains our core reporting and financial data. Importantly, this section also includes independent verification of our greenhouse gas abatement.

The year was also one of internal change. The Sustainability Victoria Board welcomed Mr Mike Waller as Chair following the departure of Mr Bob Welsh in December. In February 2008, former Chief Executive Dr Geoff Mabbett resigned, with Ms Jan Trewhella acting in the role until the appointment of Mrs Anita Roper as Chief Executive Officer in July. Our thanks go to Bob, Geoff and Jan for their valuable contribution to the organisation, and to outgoing staff and board members for their dedicated service.

We would also like thank the efforts of the current board, management team and staff for their continued commitment and innovation.



**Anita Roper**  
Chief Executive Officer

# About Sustainability Victoria

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**Sustainability Victoria is one of the Victorian Government's delivery agencies for its environmental sustainability policies and programs. We are a statutory authority that facilitates and promotes environmental sustainability by turning policy into practical action.**

**We work** collaboratively with our stakeholders, partners and customers to deliver positive changes in behaviour and introduce innovative technologies and practices. Our programs reduce greenhouse gas emissions and waste generation and increase resource recovery.

**We enable** Victorian businesses and communities to act on climate change and sustainable resource use by demonstrating practical and effective sustainability measures they can easily adopt.

**We invest** in businesses, helping to improve their bottom line by providing incentives and rebates for activities that underwrite sustainable business practices.

**We support** learning and experimentation by local governments and community groups to develop environmental initiatives that can be expanded or offered elsewhere in Victoria.

## **We are a statutory authority that facilitates and promotes environmental sustainability by turning policy into practical action.**

Sustainability Victoria was established under the Sustainability Victoria Act (2005), reporting to the Minister for Environment and Climate Change, the Hon Gavin Jennings MLC. The Hon John Thwaites MLA, Minister for Water, Environment and Climate Change (1/07/2007 – 29/7/2007) was also the responsible Minister during the reporting period.

Our role encompasses:

- delivering sustainable solutions for Victorians
- providing information and advice on sustainability issues to all Victorians
- building the capacity of Victorian communities to create change
- encouraging the development of sustainable markets and industries
- promoting the uptake of sustainable practices and technologies
- sharing knowledge and expertise in environmental sustainability
- providing support for the development of policy and regulation to deliver increased environmental sustainability
- driving environmental leadership in Victorian and local governments, and
- delivering the Secretariat function for the Victorian Government's Sustainability Fund.

### **Our mission**

Sustainability Victoria facilitates and promotes the sustainable use of resources.

### **Our vision**

That Victorians will use resources sustainably to support a thriving community and economy.

### **Our purpose**

We work with Victorians to create ResourceSmart communities, businesses and governments.



## Our values

### Collaboration

- we work with others to maximise achievements
- we work in partnership with individuals and organisations across the public and private sectors to deliver ResourceSmart outcomes.

### Action

- we make things happen
- everything we do is dedicated to reducing Victorians' greenhouse gas emissions and changing the way Victorians supply and use resources.

### Leading thinking

- we apply the best ideas
- we contribute, challenge, communicate and apply the world's leading thinking in sustainability
- we encourage debate and discussion, helping formulate new ways of responding to the challenges we face.

### Inspiration

- we motivate others to action
- we seek to inspire and motivate Victorians to become involved in creating a ResourceSmart Victoria.

## The policy framework

Sustainability Victoria translates the Victorian Government's environmental policies and initiatives into practical actions. The Government's policy framework includes:

- Growing Victoria Together (2001, 2004)
- Victorian Greenhouse Strategy (2002, 2005)
- Victorian Greenhouse Challenge for Energy (2004)
- Our Water Our Future (2004)
- Towards Zero Waste (2005)
- Our Environment Our Future: Victoria's Environmental Sustainability Framework (2005)
- Our Environment Our Future: Sustainability Action Statement (2006)
- Renewable Energy and Energy Efficiency Action Plans (2006)
- Victorian Government commitments: Tackling Climate Change; and Water – Make Every Drop Count (2006).

# Our Board



# The Board is responsible for good governance and effective leadership of Sustainability Victoria

## Our Board

The Sustainability Victoria Board consists of eight members, comprising a non-executive Chair, non-executive Deputy Chair and six non-executive directors and is appointed in accordance with the Sustainability Victoria Act (2005). The Minister for Environment and Climate Change is ultimately responsible for all appointments to the Board, ensuring that collectively the Board members have the relevant skills, experience and knowledge to oversee our strategy and functions. The Minister for Energy and Resources and the Minister for Water also each nominate one member to the Sustainability Victoria Board.

## Role of the Board

The Board is responsible for the good governance and effective leadership of Sustainability Victoria by:

- setting the strategic direction, objectives and performance targets of the organisation
- selecting the Chief Executive and monitoring performance against agreed objectives
- monitoring the operational and financial performance of the organisation
- overseeing compliance with laws, regulations and other obligations
- setting and monitoring internal controls to manage known and emerging risks
- ensuring appropriate conduct and effective stakeholder relationships
- managing and monitoring the Board's and its committees' own conduct and performance.

## Board members

Mike Waller, Chair  
Cheryl Batagol, Deputy Chair  
Mick Bourke  
Don Chambers  
Tanya Ha  
Mike Hill  
Carolyn Lloyd  
Colin Sutherland

Also serving on the Sustainability Victoria Board in the 2007/2008 financial year:

Bob Welsh, former Chair  
(1 October 2005 – 10 January 2007)

Dr Russell Peel  
(1 October 2005 – 31 December 2007)

*Left to right: Cheryl Batagol (Deputy Chair); Tanya Ha; Don Chambers; Mike Hill; Mick Bourke; Colin Sutherland; Mike Waller (Chair). Absent: Carolyn Lloyd.*

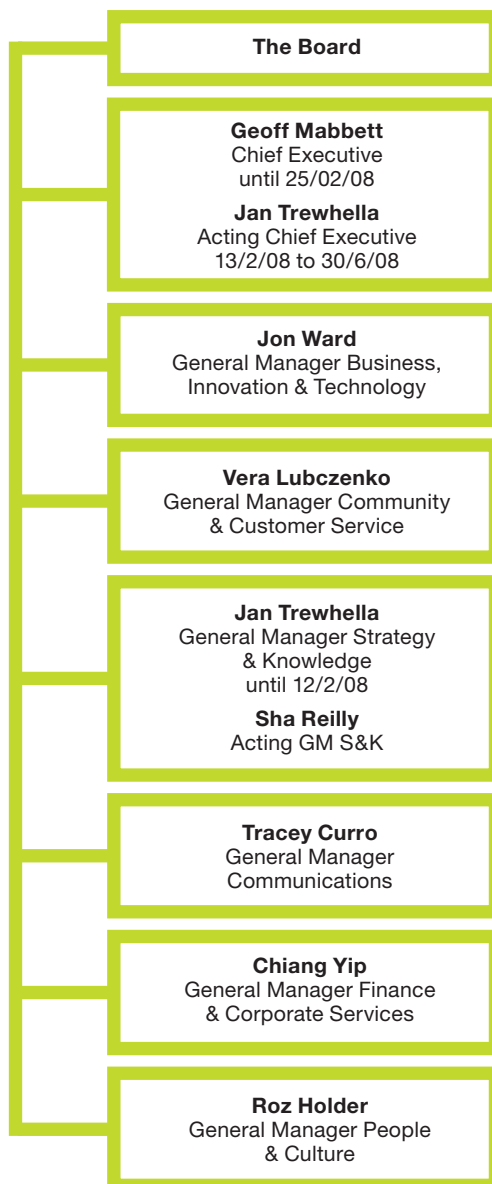
# Our Executive Team





# Organisational Structure

The executive management team comprises six direct reports to the Chief Executive Officer. The executive management team is accountable for line management, strategic direction, key organisational functions and delivery of the programs in our Business Plan.



Left to right: Jan Trehwella; Simon Clay (acting General Manager Business, Innovation & Technology); Anita Roper (Chief Executive Officer); Vera Lubczenko; Chiang Yip; Roz Holder; Tracey Curro.

\* Anita Roper was appointed Chief Executive Officer on 18 July 2008.



~~3,087,987~~



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## **Delivering ResourceSmart Greenhouse Gas and Waste**

**The Victorian Government has a target to achieve a 60% reduction in Victoria's greenhouse gas emissions from 2000 levels by the year 2050. Sustainability Victoria's programs have contributed to this target by helping Victorians cut greenhouse gas emissions by 3 million tonnes in 2007/08.**

**That's an additional 1.2 million tonnes compared to last year. By helping others to take action, we are driving towards a goal to cut 10 million tonnes of greenhouse gas by 2010.**



**The single biggest contributor to reducing Victoria's greenhouse gas emissions came from our work as part of the national Equipment Energy Efficiency Program which puts in place regulated Minimum Energy Performance Standards for appliances and equipment. In 2007/08 the program delivered an estimated 1.47 million tonnes of greenhouse gas abatement, an extra 656,547 tonnes compared to last year.**

Our Change the Globe campaign created a greenhouse gas saving of at least 220,000 tonnes, as part of our continued efforts to educate Victorians about simple, effective ways to reduce their greenhouse gas footprint.

Our continuing support for the GreenPower brand saw Victorians purchase renewable energy in record numbers, which reduced greenhouse gas emissions by 558,573 tonnes, an extra 138,104 tonnes of abatement compared to last year.

#### Top Greenhouse Gas Reduction Programs

Program	2007-08 Targeted Abatement	Increase From 2006-07	Target
Minimum Energy Performance Standards	1,469,547	656,547	360,000
Change the Globe <sup>1</sup>	220,000	220,000	n/a
5 Star <sup>2</sup>	576,306	154,274	25,000 <sup>3</sup>
GreenPower	558,573	138,104	300,000
ResourceSmart Business	123,480	54,928	60,000
Commercial and Industrial Resource Recovery	65,932	8,546	78,000
ResourceSmart Buildings	6,981	6,981	90,000
Expand organics recycling	29,512	5,330	72,000
Rebates	9,570	5,071	n/a
Municipal Resource Recovery	15,000	2,868	3,000
Renewable Energy Support Fund	13,086	750 <sup>4</sup>	40,000
<b>Totals</b>	<b>3,087,987</b>	<b>1,253,399</b>	<b>1,025,000</b>

<sup>1</sup> 220,000 tonnes is representative of the number of globes installed as at March 2008. When all of the globes are installed, the initiative has the potential to save in excess of 300,000 tonnes of greenhouse gas emissions (over the life of the globe).

<sup>2</sup> The 5 Star building standard is a Victorian Government initiative implemented by the Department of Sustainability and Environment in conjunction with the Department of Planning and Community Development, Building Commission and Master Builders Association of Victoria. Sustainability Victoria worked with these agencies to develop the 5 Star standard and continues to support its implementation, particularly through developing and maintaining the FirstRate5 energy rating software program and training industry practitioners.

<sup>3</sup> The original target was based on the savings associated with solar hot water only. The methodology has been reviewed and abatement is now based on the benefits achieved by the entire program.

<sup>4</sup> The measurement methodology for this program has been reviewed and methane has been removed from the 2007-08 calculations although it was included in 2006-07.

### Working towards zero waste

Guided by the targets set out in the Towards Zero Waste strategy, Sustainability Victoria is helping Victorians work towards a ResourceSmart future. Based on latest figures, Victoria exceeded its targets in commercial and industrial (C&I) and construction and demolition (C&D) resource recovery. While resource recovery of municipal solid waste also exceeded the 2006/07 target, the Metropolitan Waste and Resource Recovery Strategic Plan, to be launched in 2008/09, will ensure continued progress on municipal recovery.

#### Progress Towards Zero Waste (2006/07\*)

2014 Targets	Projected Result*	Actual Result
<b>1.5 million tonne reduction in solid waste generated (reported as total solid waste generated)</b>	10.13 million tonnes generated	10.28 million tonnes generated
<b>75% by weight of solid waste recovered for reuse, recycling and/or energy generation</b>	57%	62%
<b>Sectoral recovery rates achieved</b>	38%	41%
• Municipal waste (65%)	63%*	68%*
• Commercial & industrial waste (80%)	65%*	71%*
• Construction & demolition waste (80%)		
<b>A 25% improvement in littering behaviour from 2003 levels.</b>	10%	7.7%

\* Figures generated through modelling. 2007/08 figures not yet available.









A background image showing a close-up of a hand placing a white plate into a dishwasher. The dishwasher's interior is visible, showing a white wire rack filled with various dishes, including a green mug and several white plates. The lighting is soft, and the overall tone is clean and domestic.

## **Living ResourceSmart** **Households and Communities**

**With one in three Victorians purchasing a new appliance in the last year, our Right Advice at the Right Place campaign successfully secured support from Australia's leading retailers to provide information about the energy rating of products – at the point of sale.**

## **With lighting, appliances, water heating and temperature control making up 61 per cent of household energy consumption, in 2007/08 Sustainability Victoria set out to provide consumers and retail staff with information about energy efficient products.**

We engaged with 15 major retailers to deliver the program, including Origin Energy, Myer, Retravisson, Clive Peeters, The Good Guys, Harvey Norman, Bunnings Warehouse and Mitre 10.

A total of 260 stores introduced the program and all staff at participating stores were trained in the energy efficiency features of the appliances in their stores. Staff response to the program was positive. Retail partners also showed improvements in efforts to increase sales of more efficient products – in line with our objective of influencing positive sales trends in efficient products.

### **Key partners:**

*AGL; Beacon Lighting; Bunnings Warehouse; Camberwell Electronics; Clive Peeters; Dahlsens; Elgas; The Good Guys; Harvey Norman; Kleenmaid; Mitre 10; Myer; Origin Energy; Retravisson; Warehouse Sales.*

### **Helping Victorians Change the Globe**

Through the Change the Globe campaign, Sustainability Victoria delivered 500,000 energy saving globes into the hands of Victorians. This will cut household emissions by at least 220,000 tonnes and will save \$40m in energy costs over the life of the globes. The campaign showcased energy saving globes as a simple and practical way of improving household energy efficiency. Globes were given out through the Herald Sun newsagency network and Bunnings Warehouse outlets on the event day, 2 February 2008. A further 89,000 globes were provided to the Office of Housing for distribution to public housing tenants and to Scienceworks Museum for promotional and educational use.

### **Key partners:**

*Herald Sun; Bunnings Warehouse; Cool NRG; Office of Housing; Scienceworks.*

### **Funding free energy and water efficient devices for low income households**

With low income households spending up to seven per cent of annual income on energy bills compared to three per cent for average households, the Energy and Water Taskforce continued to fund free energy and water efficiency improvements for low income households. Residents in Werribee, East Reservoir and Heidelberg West benefited from the scheme, with improvements to homes including installation of insulation, energy-efficient lighting and low flow shower heads. It is estimated householders will save about \$120 annually on energy bills and around three quarters of a tonne of greenhouse gas emissions. Additional funds were secured late in the year for the roll out of retrofits to more homes over the next four years.

### **Key partners:**

*Department of Human Services; Department of Planning and Community Development; Mission Australia; Brotherhood of St Laurence.*

### **Solar and insulation rebates for households**

In 2007/08 the Solar Hot Water Rebate program delivered twice as many rebates than in 2006/07. A total of 1317 Victorian households accessed solar hot water rebates – 567 beyond our target of 750 for the year. The Victorian Government's Regional Solar Hot Water rebate scheme was launched at the end of the financial year with the intention of providing 5,000 rebates a year over three years to country Victoria.

An Insulation Rebate program was also launched with 1165 Victorians taking advantage of the scheme, which offers up to \$500 to individual households. The program also trained 90 insulation installers through a TAFE accredited system.

Rebates were also offered to Victorians who replaced their old electric hot water system with a more efficient gas or solar system. In partnership with Consumer Affairs Victoria, Sustainability Victoria conducted a targeted mail out to landlords, as these energy intensive systems are normally found in rented flats.

#### **Key partners:**

*Department of Sustainability and Environment; participating retailers; solar hot water manufacturers; insulation installers; Consumer Affairs Victoria.*

### **Supporting community-based renewable energy initiatives with Smart Energy Zones**

We continued to develop Victoria's Smart Energy Zones program, which supports the integration of small scale community applications of renewable energy. Agreements were reached with a further 13 proponents during 2007/08. As part of these agreements, Sustainability Victoria provided funding to 10 research projects that will examine the renewable energy potential of sites across Victoria.

#### **Key partners:**

*Sustainable Regional Victoria (Central Victorian Solar Cities project).*

### **Encouraging behaviour change through the save energy campaign**

Together with our key partner the Department of Sustainability and Environment, we continued to promote behaviour change to Victorian householders through the black balloons energy savings campaign. Over half the respondents who have seen the campaign (57 per cent) indicated that it motivated them to implement additional energy savings behaviour within their household. The black balloons message has become part of the vernacular, with awareness of the campaign growing from 46 per cent in May 2007 to 61 per cent in March 2008. The campaign has also been adopted by governments in Queensland, the Northern Territory, South Australia and Western Australia.

#### **Key partners:**

*Department of Sustainability and Environment; Department of Primary Industries.*

### **Delivering best practice recycling to public places**

The Public Place Recycling Grants initiative funded 11 projects with a total of \$168,802 to increase recycling in popular public spaces across Victoria. Funding was offered to privately and publicly managed venues with over 200,000 visitations per year. Melbourne Zoo, Winton Raceway and the Yarra Ranges were among the venues to benefit in 2007/08.

While not a PPRG recipient, we also helped to improve litter and waste management at Skilled Stadium. Working with the Alcoa Foundation, the City of Greater Geelong and others, we helped install recycling infrastructure. The project case study informed our Public Place Recycling Toolbox CD – used as a best practice waste management guide for local government and community.

#### ***Key partners:***

*Local governments; regional and metro waste management groups; venue owners and managers.*



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The Hayloft Project presents  
**THE HAYLOFT PARTY**

Launching Melbourne's hottest theatre space.  
In a rocking warehouse, with smoking bands:  
The Bellows, On Like Kong,  
Manners, Bullshit Rare, and more.

To be held at "The Hayloft"  
Cnr Whitehall St & Harris St, Footscray  
Saturday, February 2nd from 8PM  
Cheap Mountain Goat all night

\$10 entry, proceeds help cover our medical costs  
Check out more details at [hayloftproject.com](http://hayloftproject.com)

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A young child with brown hair, wearing a dark grey school uniform with a red collar, is watering plants with a white watering can. The child is smiling slightly. In the background, another child is visible, also in a school uniform, holding a similar watering can. The scene is outdoors with green foliage in the foreground and a clear blue sky in the background.

## Thinking ResourceSmart Schools and Skills

**Our efforts to up skill tradespeople to support a ResourceSmart future for Victoria exceeded annual targets. Hundreds of the state's electricians were trained in energy efficient practices and products.**

**In 2007/08, demand for the EcoSmart Electricians program exceeded expectations. By the end of the financial year, 21 courses had been run, with more than 300 electricians and 22 TAFE electrical teachers trained. The 'Course in Electrical Energy Efficiency' is now a fully-accredited short course.**

Sustainability Victoria's 'Home Sustainability Assessment' course created strong interest, with 12 institutions committing to deliver the course in 2008/09 and two courses completed to June 2008. Accredited in January 2008, demand is expected to grow rapidly as home owners seek to improve energy and cost efficiencies and as the Victorian Energy Efficiency Target scheme begins. It has also sparked a series of future initiatives – including a Train the Trainer program for teachers planning to run the course, and support for not-for-profit organisations to undertake training.

Graduate Certificate courses in energy efficiency and analysis were developed to upskill heating, ventilation and air conditioning specialists and facility managers to support energy efficiency in the commercial built environment.

**Key partners:**

*National Electrical Contractors Association; Holmesglen Institute of TAFE; Swinburne University (National Centre for Sustainability); Australian Building Council for Sustainable Energy; Facility Managers Association of Australia; Australian Council of Refrigeration, Air Conditioning and Heating; Australian Mechanical Contractors Association; Facility Management Training Partners.*

**Building on our existing sustainability education curriculum for use in Victorian schools**

Sustainability Victoria set out to strengthen and integrate existing programs that support improvements in schools' sustainability performance and practices. Major action areas included: the expansion of the Australian Sustainable Schools Initiative (AuSSiVic); the supply of photovoltaic systems to schools under the Victorian Government's Solar in Schools program; and the expansion of the ResourceSmart Waste program.

In 2007/08 Sustainability Victoria also established the Sustainability in Schools State Steering Committee, with representation from across government and the education sector to coordinate the Victorian Education for Sustainability program.

**Key partners:**

*Department of Education and Early Childhood Development; Department of Sustainability and Environment; Victorian Association for Environmental Education; Centre for Education and Research in Environmental Strategies (CERES).*



### **ResourceSmart School Awards**

In November 2007, Sustainability Victoria hosted the ResourceSmart School Awards. Over 84 entries from 50 schools were received, competing in six entry categories: the ResourceSmart School of the Year; Energy Smart School of the Year; Water Smart School of the Year; Waste Smart School of the Year; Biodiversity Smart School of the Year; and ResourceSmart Hero Award. More than 200 students attended the presentation ceremony held at the Melbourne Cricket Ground, which included four presentation sessions for students and teachers about becoming ResourceSmart. A case study booklet highlighted the stories of the winning schools and was distributed throughout Victoria to encourage other schools to become ResourceSmart.

### **Key partners:**

*The Gould Group; CERES; VAAE; Department of Education and Early Childhood Development; Department of Sustainability and Environment; Metropolitan Waste Management Group.*



A background image showing a hand in a blue sleeve spreading a dark, granular material (likely concrete or a similar construction material) onto a light-colored surface. The hand is positioned in the upper right quadrant, and the material is being spread across the center and lower portions of the frame.

## **Investing ResourceSmart Business**

**A world first in concrete production was launched with help from our ResourceSmart business team. The award-winning product reduces life-cycle greenhouse gas emissions by up to 60 per cent compared to standard concrete.**



**With cement production making up about five per cent of the world's greenhouse gas emissions, Sustainability Victoria backed the development of a low carbon concrete product known as E-crete. Sustainability Victoria assisted Zeobond Pty Ltd to build its business case, and supported the installation of equipment, life-cycle assessment and strategic market reviews.**

Concrete made by Zeobond is unique in that it is manufactured without using ordinary cement but rather, industrial waste materials sourced from the electricity generation and steel making industries. E-crete demonstrates a viable reuse of industrial waste, caters for a growing market in the building and construction industry, and provides further employment opportunities.

The product has been recognised as a major breakthrough in eco-friendly manufacturing – winning the INNOVIC 2008 Next Big Thing Award for its export potential. Zeobond has now established a plant in Campbellfield to manufacture the concrete on a commercial scale.

#### **Partnering with business for better environmental outcomes**

Sustainability Victoria partnered with peak industry organisations to drive sustainable practice in core sectors of industry. In 2007/08, our Industry Partnership program continued to strengthen our relationships with businesses engaged in resource efficiency initiatives. Major outcomes for the year included:

##### **Davey Water**

As part of the Lean to Green Program, the company has made changes that have made its production 15 per cent more efficient, using fewer resources to produce quality pumps, filtration systems and water products.

##### **Geelong Manufacturing Council (GMC)**

We helped GMC members, including Blackwell IXL, CMTP, EP Robinson, Huyck Australia, Jeff Sykes and Associates, and L&B Williams, share successful sustainable practices with others through professional networking. Through the program each company identified resource efficiency opportunities and set in place action plans for improving resource efficiency.

##### **Key partners:**

*Australian Industry Group; Business Transformer; Carpet Institute of Australia; Geelong Manufacturing Council; Manufacturing Best Practice Program; Shire of Yarra Ranges; Tourism Victoria.*

#### **Helping industry leaders to build best practice businesses**

Sustainability Victoria's case studies and best practice guides are intended to help Victorian businesses improve operational efficiencies and reduce costs. The guides include information about commercial lighting, compressed air systems, refrigeration, pumps, and steam, hot water and process heating. Six case studies have also been prepared for release in early 2008/09, to demonstrate viable commercial sustainable business practices. These include:

##### **Nestlé Pakenham refrigeration system upgrade**

Changes to refrigeration systems reduced site energy consumption by six per cent – cutting greenhouse gas emissions by about 840 tonnes annually and recovering the costs within six years.



**Ford Australia retrofitted lighting system**

A retrofit of the existing lighting system saved 321 tonnes of greenhouse gas annually.

**Amcor's Scoresby Fibre Packaging Plant steam system upgrade**

Changes to the plant's steam systems cut gas use by more than six per cent and reduced electricity use by more than 115,000 kWh. The result was an annual cut in emissions of 412 tonnes.

**Murray Goulburn Cooperative compressed air system upgrade**

Changes to compressed air systems at the business's Leongatha plant reduced energy and maintenance costs by more than \$147,000 each year – saving 1,908 tonnes of greenhouse gas annually and recovering the cost of the project within two and a half years.

**Princes Laundry energy efficient drier upgrades**

Recovering heat from the exhaust of gas fired driers cut gas use by more than 33 per cent and reduced greenhouse gas emissions by 260 tonnes annually, with a payback period of just over 5.3 years.

**Mushroom Exchange refrigeration project**

Changes to refrigeration systems reduced site energy consumption by 307,000 kWh annually, reducing greenhouse emissions by 455 tonnes.

**Supporting industry leaders in sustainable business and launching Victoria's first hybrid truck**

With design support from Sustainability Victoria, Ferguson Plarre, a leading baking franchise, built a facility that now stands as a model of viable sustainable business practice. Recognising that 60 per cent of a building's environmental impact can be resolved at the design stage, Ferguson Plarre Bakehouses consulted with Sustainability Victoria to determine the optimal design for the state-of-the-art bakehouse. Building features included an innovative cake production system which reclaimed heat from the refrigeration plant, real-time monitoring of energy and water consumption, and rain water tanks for truck washing, toilets and irrigation. Ferguson Plarre also worked with our business team to address energy, water and waste efficiencies across its operations – including the introduction of Victoria's first hybrid truck. The overall greenhouse gas reduction for the business was 2,624 tonnes compared to the old facility. Turning out more than 20,000 products daily for delivery to 35 locations across Melbourne, the business continues to work with Sustainability Victoria to extend its efforts to introduce sustainable practices through its entire supply chain.

**Key partners:**

*Ferguson Plarre.*

### **Partnering to grow sustainability in small to medium businesses**

In November 2007, Premier John Brumby launched a \$10 million partnership with the Victorian Chamber of Commerce and Industry to drive sustainability in small and medium enterprises (SMEs). The Carbon Down initiative will provide targeted information and programs to help SMEs improve resource efficiency with positive bottom line benefits. Over the longer term the program will provide a baseline for SMEs to measure the results of sustainable practices. A business plan for the partnership was approved by the Minister for Environment and Climate Change, Gavin Jennings MLC, in June 2008.

#### ***Key partners:***

*Victorian Chamber of Commerce and Industry.*

### **Benchmarking business behaviours with leading research**

Working with the Australian Industry Group, Sustainability Victoria researched and published the first large-scale survey on sustainable practices in Australian businesses. More than 800 companies in the manufacturing and commercial construction sectors - turning over a total of \$41 billion annually and employing 56,300 people - were surveyed. The study revealed most Australian businesses were concerned about lowering greenhouse gas emissions, but only 10 per cent knew how to manage risks associated with climate change. More than half of companies (56 per cent) also recognised engaging in sustainable practices as an opportunity to save energy, lower costs, and promote themselves as environmentally responsible to consumers.

#### ***Key partner:***

*Australian Industry Group.*

### **Eat Green Design and DIA awards**

With between 65 per cent and 85 per cent of a product's environmental impacts locked in at design stage, Sustainability Victoria engaged with designers and marketers to promote and develop sustainable design. Sustainability Victoria's key projects for the year included the Design for Sustainability (D4S) hall at the designEx exhibition; the Australian Marketing Institute's Marketing for Sustainability breakfast forums; partnership with Standards Australia in the 2008 Australian International Design Awards and judging the award for Excellence in Sustainable Design; sponsorship of a special award in the Australian Interior Design Awards; and supporting the development of the Eat Green Design initiative which included hosting a lunch for some of the state's leading marketers and designers.

#### ***Key partners:***

*Design Institute of Australia; Australian Marketing Institute; Standards Australia; Plastics and Chemicals Industries Association; Centre for Design; Sustainable Packaging Alliance; Design Victoria.*

### **5 Star ResourceSmart**

Sustainability Victoria completed the first phase of the 5 Star ResourceSmart voluntary certification system following an extensive stakeholder engagement, research and modelling process. A pilot was commenced in late 2007/08 with a sample of manufacturing businesses. This will inform a review of the accreditation system and performance benchmarks in preparation for an extensive trial with key manufacturing stakeholders and industry participants.





## **Practicing ResourceSmart**

### **Resource Recovery**

**With the ban on smoking in pubs and clubs, Sustainability Victoria moved to educate and support Victorian venue owners and patrons to reduce butt litter. The ‘Don’t be a tosser: Bin your butts’ campaign was heard – and butt litter was almost halved at participating venues.**

## The 'Don't be a tosser' campaign included advertising, information and advice for traders and staff and a butt bin rebate scheme for licensed venues.

Sustainability Victoria had 50 active campaign partners from state and local government, NGOs and industry groups.

Independent research also showed all major campaign objectives were achieved, including a 50 per cent cut in butt litter around participating venues. Support for the campaign was high, with 73 per cent of licensed venues and 66 per cent of local governments supporting the initiative.

### **Key partners:**

*Australian Hotels Association; Clubs Victoria; local governments; Victorian Litter Action Alliance; Environment Protection Authority; Municipal Association of Victoria; Regional Waste Management Groups; Department of Sustainability and Environment; Department of Human Services.*

### **Moving towards a ResourceSmart future**

Sustainability Victoria's resource recovery programs are on track to meet the Victorian Government's Towards Zero Waste targets, to the year 2014. Latest figures, based on data from the previous financial year, show Victoria tracking ahead of target on most measures. Municipal resource recovery was three per cent ahead of target at a rate of 41 per cent. Commercial and industrial and construction and demolition recovery levels reached 68 per cent and 71 per cent respectively (against 63 and 65 per cent). However, total solid waste generated reached 10.28 million tonnes, compared to a goal of 10.13 million for the year. And based on the Victorian Litter Report (2007), at 7.7 per cent, litter prevention behaviours are below the projected target of 10% improvement from 2003 levels.

### **Improving infrastructure to increase municipal resource recovery**

Sustainability Victoria invested more than \$1.7 million in municipal resource recovery projects in the past financial year, with the aim of improving infrastructure and extending the types of waste able to be diverted from landfill. Twenty-two projects were completed under our Municipal Resource Recovery program, with a total of \$2.2 million dedicated by Sustainability Victoria over the life of the projects. Sustainability Victoria also helped 15 regional councils increase their waste recycling capacity through the Best Practice Kerbside Recycling program. Major projects included:

#### **Western Composting Technology**

A \$200,000 grant has helped establish a composting facility to process 15,000 tonnes of green waste annually from kerbside collections in Shepparton, as well as commercial and industrial organics. Five composting tunnels enable product to be rapidly processed and ready for sale for gardening, landscaping and agricultural applications.

#### **Anglesea Resource Recovery Facility**

A \$41,000 project extended the types of materials diverted from landfill to include construction and demolition waste. Green waste volumes were also increased.

#### **Ararat and Tatyoon Transfer Stations**

The municipality received \$50,000 for two transfer station upgrades, which improved infrastructure and safety standards and is expected to increase landfill diversion by 525 tonnes in the coming year.

#### **Beulah Resource Recovery Centre**

A \$20,000 grant enabled the closure of an unlicensed landfill, and upgrades to the Beulah facility including new commingled, steel and paper recycling infrastructure.

#### **Heywood Transfer Station**

An \$87,000 best practice facility was completed in June.

#### **Jeparit Resource Recovery Facility**

Hindmarsh Shire established a \$45,000 best practice facility that increased recovery of recyclables, including commingled and steel, and included leading OH&S standards. It is expected to divert an additional 150 tonnes from landfill in the coming year.

#### **South Gippsland Shire Council**

A best practice kerbside recycling program was established within the South Gippsland municipality, with council services meeting five key standards set out in the program, including service cost and material yields per household.

#### **Swan Hill Landfill Reuse Sales Centre**

A \$25,650 grant helped establish a collection centre for used goods, with the aim of reducing landfill and educating the community about individual waste generation and consumption behaviours.

#### **Key partners:**

*Victorian regional and metropolitan local governments.*

#### **Providing safe disposal of household chemical waste for Victorians with Detox Your Home**

Nearly 1,000 tonnes of household chemical products were disposed of by Victorians through our Detox Your Home program. With the objective of improving access to a free and safe household chemical disposal, Sustainability Victoria provided Victorians with a mobile collection service and seven permanent collection facilities.

#### **Key partners:**

*Local governments.*

#### **Exceeding targets by more than 65 per cent in commercial and industrial resource recovery**

The Commercial and Industrial Resource Recovery program exceeded projected targets by more than 65 per cent – with 535,389 tonnes of waste diversion capacity compared to our 2007/08 annual target of 324,000 tonnes. The recovered resources also contributed to 65,932 tonnes of greenhouse gas abatement. The success of the scheme can largely be attributed to a series of major projects completed throughout the year, including:

#### **Delta Recycling construction and demolition waste processing plant**

\$189,750 to assist in the installation of an additional crusher and upgrade to conveyor capacity, increasing overall production capacity. The upgrade also allows Delta to produce higher quality recycled products for pavement construction, concrete production and various civil construction works. It is estimated that Delta's recycling capacity increased by 150,000 tonnes per year.

### **City Circle Recycling**

\$500,000 funding provided to help develop a mobile concrete crushing and batching plant. The plant is expected to increase City Circle's recycling capacity by 200,000 tonnes per year.

### **Seymour Shavings Wood Waste Processing Plant**

\$123,000 towards a timber reprocessing plant in the Goulburn Valley, which is expected to deliver 3,500 tonnes of reprocessed timber and cut greenhouse gas emissions by 1,750 tonnes.

### **Timber Waste Brooklyn Facility upgrade**

\$114,000 of funding to Timber Waste to purchase a new timber shredder and upgrade its facility to increase recycling capacity. The upgrade is expected to divert 60,000 tonnes of timber from landfill and cut emissions by 30,000 tonnes.

### **Eco Brick Recycling Facility upgrade**

A \$200,000 grant allowed the business to purchase machinery that enabled automated cleaning processes necessary to produce a quality market ready product. It is expected 1052 tonnes of bricks will be diverted from landfill annually and 180 tonnes of greenhouse gas emissions avoided.

#### **Key partners:**

*Delta Recycling, City Circle Recycling, Seymour Shavings; Timber Waste; Eco Brick Recycling; waste industry, commercial and industrial and construction businesses.*

### **Byteback secures buy in from IT leaders**

The world's leading global IT brands, Officeworks and the industry's peak body agreed to join Byteback in 2007/08. With e-waste one of the fastest growing waste streams globally, Sustainability Victoria set

out to expand collection sites and increase industry self-regulation and responsibility for e-waste. IT brands signing onto the scheme agreed to cover the full cost of recycling own-branded products, and support a fund to promote the program to residents and small businesses. A total of 550 tonnes - 85,000 individual items of equipment - was collected during 2007/08, with 97 per cent of it diverted from landfill and 3000 tonnes of greenhouse gas avoided.

Eight collection sites were established as fully operational, with plans in place for added services in the next six months – and further collection sites, including two retail based collection points.

#### **Key partners:**

*Hewlett Packard; IBM; Apple; Brother International; Canon; Dell; Epson; Fujitsu; Fuji-Xerox; Lenovo; Lexmark; Australian Information Industry Association; Officeworks; City of Boroondara; City of Geelong; City of Surfcoast Shire; City of Moonee Valley; City of Darebin.*

### **Targeting the collection of domestic batteries with Batteryback**

Together with Cleanaway and UniRoss Australia, we launched another successful take back program to recycle domestic batteries, opening four collection sites across Victoria. As part of our actions to meet the Towards Zero Waste targets, Batteryback contributed to waste diverted from landfill. The pilot has provided a testing ground for battery resource recovery technologies and systems.

#### **Key partners:**

*UniRoss; Cleanaway; Harvey Norman; Michaels Camera, Video and Digital.*



### **Piloting new collection schemes for mercury lamps**

The Flashback program pilot was launched as Australia's first to target the recycling of domestic lamps containing mercury. Based on Victoria's other successful take back programs, such as Byteback and Batteryback, Sustainability Victoria set out to establish a framework and pilot program with industry partners including Coles, Beacon Lighting, CMA Eco Recycle, and other lighting brands. The pilot stage will gather data on the cost of recycling; returned material; disposal and behaviours.

#### **Key partners:**

*Coles; Beacon Lighting; Lighting Council of Australia; CMA Eco Recycle; BigRecyclers.*

### **Increasing Waste Wise uptake and growing key partnerships to make Victorian events ResourceSmart**

Our Events program continued to grow with 213 Victorian events Waste Wise certified during 2007/08, including some of the state's biggest music festivals – Big Day Out, Falls Festival, St Kilda Festival, St Jerome's Laneway Festival, and Golden Plains – events with up to 350,000 visitors. Several events reported diverting 100% of their waste from landfill.

The Summer of Sustainability partnership was launched with five leading Victorian music events. Initiatives at these events included composting toilets, biodiesel-fuelled generators, and minimisation of food packaging. Online forums Facebook, MySpace and YouTube were trialled as new communications avenues to promote the activities, and we held our first sustainable events forum during the Eat Green Design 2008 event.

#### **Key partners:**

*Regional Waste Management Groups; Big Day Out; Falls Festival; St Kilda Festival; St Jerome's Laneway; Golden Plains; Sustainable Living Foundation.*

### **Growing new market demand for recycled organics**

Major growth was achieved as part of our organics market development strategy, with a 72 per cent growth in the use of compost and mulch in home gardening via the Healthy and Sustainable Gardens Program, in partnership with the Metropolitan Waste Management Group. A total of \$715,610 worth of product was sold via the program. As part of the Towards Zero Waste strategy, Sustainability Victoria also set out to increase municipal and commercial garden waste collections to 250,000 tonnes, and food waste collection to 175,000 tonnes. However, continuing drought conditions resulted in less green organic material being produced, reducing total additional volumes collected to less than projected targeted rates.

#### **Key partners:**

*Compost Victoria; local governments; Victorian Compost Industry; Department of Infrastructure; Metropolitan Waste Management Group.*







## **Building ResourceSmart Buildings**

**A landmark partnership with a leading commercial property trust began a three year process to green its entire Victorian portfolio. Starting with the completion of one of Australia's largest projects of its kind, our ResourceSmart Building team worked with Industry Superannuation Property Trust (ISPT) to document the retrofit of one of Melbourne's major commercial buildings at 500 Bourke St.**

## **Sustainability Victoria's partnership with ISPT, an institutional property fund manager owned by many of Australia's largest industry superannuation funds, was the first under the ResourceSmart commercial buildings program.**

In 2007/08, Sustainability Victoria benchmarked the business's office and retail portfolio – identifying opportunities for improvement.

With commercial buildings making up about 30 per cent of Victoria's annual greenhouse emissions, the new partnership provided an opportunity to drive change in the sector by delivering a leading model of sustainable refurbishment in commercial office towers.

In close collaboration, we worked with ISPT, tenants National Australia Bank, and key consultants and builders to facilitate the green refurbishment of 500 Bourke St – one of the largest projects of its kind in Australia. Further opportunities for sustainability improvements to other buildings within its portfolio will be explored in 2008/09.

### **Key partners:**

*ISPT; Environment Protection Authority; Building Commission; Green Building Council of Australia; Australian Institute of Refrigeration, Air Conditioning and Heating (AIRAH); Facilities Management Association Australia.*

### **Providing energy-raters better tools with FirstRate5**

With research revealing 5 Star rated homes were at least 20 per cent more efficient than others, Sustainability Victoria worked with the Victorian building industry to invest more than \$550,000 in the development of the FirstRate5 software to better measure the environmental performance of new homes.

FirstRate5 training is now offered by six Registered Training Organisations (RTOs) across Victoria. An updated train the trainer course was also delivered. A bi-monthly electronic newsletter was published to keep the industry informed of new developments, advertise training and provide software tips.

### **Key partners:**

*Building Commission; Victorian Forestry Industries Association and the timber floor industry; house builders; Housing Industry Association; Master Builders Association of Victoria.*



### **Helping CBD building tenants embrace sustainable practices with CitySwitch**

In partnership with the City of Melbourne and building owners, Sustainability Victoria brought the CitySwitch program to Victoria. An initiative of the Council of Capital City Lord Mayors, the program helps CBD tenants reduce energy use in offices. Under the program, tenants agree to achieve and maintain a minimum 4-star National Australian Built Environment Rating System (NABERS) energy rating through the uptake of energy efficient practices. Program participants also attend seminars, participate in networks and share case studies with others to support and inform change in the CBD tenant community.

#### **Key partners:**

*City of Melbourne; Council of Capital City Lord Mayors; CBD commercial building owners and tenants.*

### **Promoting the viability of ResourceSmart buildings to commercial building owners**

We promoted the benefits of green commercial buildings through the Melbourne Forum series. The forums were held with the support of key partners and industry leaders to showcase the viability of sustainable practice in construction and design. Five Melbourne Forums were held – attracting over 100 participants at each event.

#### **Key partners:**

*Building Commission; Australian Institute of Refrigeration, Air Conditioning and Heating (AIRAH); Green Building Council of Australia; City of Melbourne.*



## **Powering ResourceSmart Renewable & Distributed Energy**

**A geothermal energy project was funded at a \$4.5 million tourist resort as a leading example of renewable technology. It holds a capacity to generate more than 10,300 GJ annually and cut greenhouse gas emissions by 1,000 tonnes a year.**

**Mantra Deep Blue Resort at Warrnambool exemplified the kinds of innovative commercial applications of renewable energy supported under the Renewable Energy Support Fund (RESF). Using geothermal hot water drawn from a 770m deep bore, the 122-room tourist resort has its hot water and internal heating needs met.**

Drilled into the Otway Basin aquifer, the bore extracts water at about 45°C before passing it through heat exchangers to harness the energy for domestic hot water and space heating.

The facility has the capacity to cut greenhouse gas emissions by up to 1,000 tonnes annually. The use of geothermal water saves the resort 18 million litres of potable water a year, with a further 365 million litres of potable water supplied to Warrnambool City Council and Wannon Water. Developer Barbro Investments Pty Ltd worked in partnership with geothermal experts Syncline Energy Pty Ltd to showcase the use of renewable energy in a tourist facility.

**Key partners:**

*Barbro Investments Pty Ltd; Syncline Energy Pty Ltd. RESF funding: \$235,000*

**Backing innovation with Renewable Energy Support Funding**

Three major projects, including Mantra Deep Blue Resort, were delivered with funding of \$866,000 from the Renewable Energy Support Fund in 2007/08 – resulting in 21,833 GJ of renewable energy being produced and 6,653 tonnes of greenhouse gas emissions saved in 2007/08. The funding supports medium scale renewable energy infrastructure including wind, solar, biomass, geothermal and ocean power. The other two projects were:

**Diamond Energy's Biogas Generation Project at Tatura**

A biogas powered generator developed by Diamond Energy was launched in November 2007 by the Minister for Environment and Climate Change and the Minister for Energy and Resources. It uses biogas from Goulburn Valley Water's wastewater treatment plant to produce electricity exported to the grid as base load renewable energy.

**South East Water mini-hydro installation at Hallam**

The first of its kind in Victoria, the project enabled pressure within a major water pipe network to be harnessed as useful energy. By installing a mini-hydro turbine and 215kw generator, South East Water diverted water from pressure reduction valves and now produces enough renewable energy to power an equivalent of 165 homes (869 MWh).

**Supporting the GreenPower brand**

GreenPower uptake increased by 165GWh to 426.4 GWh compared to December 2006 levels of 261.2 GWh. The number of Victorian GreenPower customers in June 2008 was up 28 per cent from June 2007 to 300,833, and sales increased by 34 per cent in 2007/08. Victorian GreenPower business customers jumped 46 per cent from June 2007 to reach 10,755 customers.



### **Promoting GreenPower with Melbourne's first wind powered tram**

With partners Pacific Hydro and Yarra Trams, Sustainability Victoria delivered Victoria's first wind-energy powered tram to promote the uptake of GreenPower. As the single most effective way households can cut greenhouse gas emissions, the highly visible promotion aims to educate consumers about the benefits of GreenPower, and build trust in the scheme.

#### **Key partners:**

*Yarra Trams; Pacific Hydro.*

### **Consulting on wind farm planning to extend the reach of renewable energies**

As the Victorian Government's central contact point on wind energy issues, Sustainability Victoria consulted on six wind farm proposals. The wind energy planning process allowed Sustainability Victoria to inform government planning panels and local councils about the greenhouse benefits of proposals and outline how each would assist in achieving renewable energy targets Sustainability Victoria provided advice on the following projects in 2007/08:

- Woolsthorpe Wind Farm, 40 MW – approved April 2008
- Ryans Corner Wind Farm, 136 MW – approved May 2008
- Oakland Hill Wind Farm, 80 MW – under consideration
- Crowlands Wind Farm, 165 MW – under consideration
- Newfield Wind Farm, 22.5 MW – under consideration
- Winchelsea Wind Farm, 29.9 MW – approved July 2008

### **Protecting Victoria's native Brolga population with the South West Brolga Research Project**

With key partners, we secured \$350,000 of funding, including a grant of \$210,000 from the Federal Government, to help launch the South West Victoria Brolga Research Project. The project will assess the impact, if any, of the wind energy industry on the Victorian Brolga bird population including the effectiveness of mitigation strategies. The project will help direct a series of Brolga management activities and help conservation investments be used more effectively.

#### **Key partners:**

*Federal Government; Department of Sustainability and Environment; Clean Energy Council; Federal Department of Environment, Heritage and the Arts.*

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## **Being ResourceSmart Government**

**Sustainability Victoria's Environmental Management System successfully met international standard ISO 14001 during 2007/08 – making us the first Victorian Government agency to attain the standard. Energy monitoring of the office also revealed it was performing at levels higher than targets.**

## **With an overarching commitment to provide a leading example of green standards in daily business practices, Sustainability Victoria targeted paper use, energy, waste reduction and transportation.**

Sustainability Victoria continued to purchase 100 per cent GreenPower and implemented further efficiencies across the organisation and off-set remaining emissions. Full carbon accounting has been undertaken for the second consecutive year.

The environmental management system target of 40 per cent reduction in energy use compared to 1999/2000 baseline levels was exceeded with a reduction of 51 per cent achieved. A 30 per cent drop of overall waste generation per employee compared to 2005/06 was targeted, with 28 per cent achieved. A 90 per cent recycling rate was achieved, compared to a target of 97 per cent.

Fleet fuel consumption was to be cut by 15 per cent per person compared to 2005/06 – with a result of 50 per cent attained. We aimed to maintain the 90 per cent rate of employees using sustainable transport to and from work – and reached 87 per cent for the year. And we met our targets to increase the percentage of employees walking and cycling to work to 25 per cent.

To demonstrate best practice in sustainable tenancy, Sustainability Victoria hosted over 30 tours of our office to international delegations, student groups, other government agencies and businesses. Sustainability Victoria also committed to the Eco-Buy Victorian Government Sustainable Procurement Program and will be part of a pilot that will test its tools, resources and services that support sustainable procurement.

### **Leading Victorian Government efforts to become ResourceSmart**

The ResourceSmart Government program exceeded its target to support 30 government agencies to implement sustainable operational practices. Working with the Department of Sustainability and Environment, Sustainability Victoria developed a successful pilot program with seven government agencies and recruited a further 50 agencies for the program in the coming year.

#### **Key partners:**

*Department of Sustainability and Environment; Department of Human Services; Department of Treasury and Finance; Commissioner for Environmental Sustainability; Monash University; ECO-Buy.*



### **Working with local government to provide better programs and support**

The ResourceSmart Local Government program undertook targeted research to assess how best to support the needs of Victorian local governments. Consulting with key partners, Sustainability Victoria identified a series of tools that will help local governments effectively identify priorities for energy and resource efficiencies and apply solutions. The work established during 2007/08 will inform trials to be commenced in the 2008/09 financial year.

#### **Key partners:**

*Municipal Association of Victoria; Victorian local governments; Department of Sustainability and Environment.*

### **Supporting the water industry to reduce emissions**

With VicWater and the Victorian water corporations, Sustainability Victoria worked to increase the uptake of sustainable practices in the water industry. Sustainability Victoria coordinated quarterly meetings of the Victorian Water Industry Greenhouse Working Group as an industry forum to network, share ideas and hear guest speakers and developed the Water Industry Sustainability Tool Kit CD.

#### **Key partners:**

*Vic Water; Victorian water corporations.*



A photograph of three people (two men and one woman) smiling at an event. The background features logos for 'Premier's Sustainability Awards 2018' and 'Sustainability Victoria'. A dark semi-transparent box is overlaid on the right side of the image, containing text.

## **Supporting ResourceSmart Funding and Rewarding Innovation**

**Sustainability Victoria helps Victorians to break new ground. The Premier's Sustainability Awards recognise and support innovation in sustainable technologies and practices. And as manager of the Victorian Government's Sustainability Fund, we are helping to foster innovation and action on sustainability.**

## Rewarding environmental excellence with the Premier's Sustainability Awards

For the second consecutive year, we managed the Premier's Sustainability Awards on behalf of the Victorian Government to recognise excellence in leadership and environmental sustainability. As one of the pre-eminent sustainability events for Victoria, these awards are helping to raise the profile of innovative developments in sustainable technologies and practices. We exceeded our target to double participation, with 88 submissions – and 620 attendees at the awards made it the largest event to date. It also attracted sponsorship from the corporate sector.

### Small business award

Etiko Fair Trade for its Fair Trade certified, Sweatshop free range of sports balls, footwear and clothing.

### Public sector award

Williamstown High School and Spowers Architects for the Bayview Street campus, which set leading standards in sustainability practice for schools.

### Product or service award

Dulux Powder Coating and CSIRO for developing an environmentally stable and emission free powder coating system for heat sensitive substrates avoiding the use of toxic solvent emissions from liquid coatings and reducing solid waste to landfill.

### Community award

The Great Ocean Road Coast Committee for conservation efforts along a 37 kilometre stretch of coast between Torquay and Lorne.

### Big business award

Davey Water Products was awarded for leading sustainable business practices. It reduced the potable water used in its manufacturing operations by 50 per cent. The company also reduced waste by 82 per cent in volume and 42 per cent by weight. The company is 15 per cent more efficient, using fewer resources to produce water pumps, filtration systems and products.

### Key partners:

*ISPT; Macquarie; TRUenergy.*

### Supporting others to innovate with the Sustainability Fund

As the Secretariat of the Sustainability Fund, Sustainability Victoria helped the Victorian Government invest \$10 million in 52 sustainability initiatives during 2007/08. The Minister for Environment and Climate Change, Gavin Jennings MLC, announced \$7.24 million for 37 successful projects supported through Round Three of the open round of the Fund. In addition, through the Victorian Local Government Accord, eight local governments in metropolitan and regional Victoria received \$801,000 for sustainability projects and seven new EcoLiving centres received \$1.9 million in support through the EcoLiving Centres program.



Major projects included:

**One million meals for Melbourne charities from FareShare's kitchen**

Sustainability Fund Round Three funded the construction of a new commercial kitchen at FareShare's new Abbotsford premises. The kitchen will enable FareShare (formerly known as One Umbrella) to make one million meals a year for Melbourne charities from rescued food that would otherwise be sent to landfill.

**New Environmental Management Systems for saw mills**

Victorian saw mill operators are now operating under a new Environmental Management System (EMS) developed to meet industry specific needs by the Victorian Association of Forest Industries. The EMS monitors waste, water and energy use on site with the support of an environmental manager. Training and resources for continued implementation and monitoring were also provided.

**New green cleaning process at child care centres that set a new national standard**

A chemical free, low waste, low water cleaning process was developed for childcare centres by Fresh Green Clean. The innovative new process has now been incorporated into national standards, a preferred process for green cleaning for childcare centres.

**Orica and Dulux technology eliminates solvent and paint waste in automotive industries**

The Sustainability Fund supported the development of the award winning powder coating technology that eliminates the need for solvents and paint waste from the coating of automotive components. Orica and Dulux were recognised for the development of this innovative process at the 2008 Premier's Sustainability Awards and subsequently at the National Banksia Awards.

*A full list of all projects funded during 2007/08 is included in Appendix Two (pg 70)*

A close-up photograph of a green traffic light. Inside the lens of the light, a map of the state of Minnesota is visible, rendered in a bright green color. The background is dark and out of focus.

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## **Becoming ResourceSmart Futures**

**In a benchmark study, Sustainability Victoria asked more than 2,100 Victorian households about the environment. The Victorian Government's Green Light Report captured existing behaviours and attitudes – and will inform future programs aimed at Victorians becoming ResourceSmart.**

## Recognising the need to develop and deliver targeted programs based on a strong evidence base, Sustainability Victoria commissioned research to benchmark householder behaviour and attitudes about climate change.

The study revealed 84 per cent of Victorians were concerned about the state of the environment to some extent and 90 per cent believed they could do something about it.

Findings also revealed that 42 per cent of Victorians consider water to be the most important environmental issue. Twenty-five per cent of Victorians identified the environment as the single most important issue.

### **Key partners:**

*Department of Sustainability and Environment; Gippsland Regional Waste Management Group.*

### **Delivering long term metropolitan solid waste management strategy**

Together with our key partners, we developed a long term plan to address solid waste management in Melbourne, which was released for consultation in April. As part of the Victorian Government's Toward Zero Waste strategy, it outlined Melbourne's Resource Recovery needs for the next two decades – recognising municipal waste and organics as priorities for meeting the state's broader waste targets. The plan has three parts – the Metropolitan Plan, which deals with solid waste for Melbourne; the Municipal Solid Waste Infrastructure Schedule, which details infrastructure needs; and the Metropolitan Landfill Schedule, which identifies locations and operations of sites. With consultation completed, the final plan will be released in early 2008/09.

### **Key partners:**

*Department of Sustainability and Environment; Metropolitan Waste Management Group, Environment Protection Authority.*

### **Drafting long term solid industrial waste plan for Victoria**

As part of the Towards Zero Waste strategy Sustainability Victoria worked to deliver a plan for the management of solid industrial waste in line with legislative requirements. Consultation with stakeholders based on the draft plan will commence in early 2008/09. The final plan will be considered for approval by the Environment Protection Authority before being released publicly.

### **Key partners:**

*Environment Protection Authority; Department of Sustainability and Environment.*

### **Delivering a long term litter strategy**

A draft future directions paper for the prevention and management of litter in Victoria has been prepared. Consultation with stakeholders and finalisation of the paper will be undertaken in the context of the National Litter Plan being developed for the Environment and Protection Heritage Council of Ministers in 2008/09.

### **Key partners:**

*Environment Protection Authority; Department of Sustainability and Environment; Victorian Litter Alliance.*



### **Evaluating performance of recycling and waste management systems**

An annual survey of all 79 Victorian local governments' kerbside services was conducted to help formulate future directions for waste management services and measure Victoria's progress Towards Zero Waste. The Victorian Local Government Annual Survey (2006/07) was completed and is due for release in early 2008/09. An annual survey of Victoria's reprocessing industry was also conducted to obtain information about material reprocessing, and monitor and report on performance against the TZW targets.

### **Delivering minimum energy performance standards for appliances and equipment**

Sustainability Victoria continued to represent Victoria on the national Equipment Energy Efficiency Committee – which implements the national program for mandatory Minimum Energy Performance Standards (MEPS) and energy labelling. In October 2007, more stringent MEPS for three-phase packaged air conditioners, and large residential air conditioners, were implemented in Victoria.

The committee also made progress on the development of new MEPS for a range of products including, external power supplies, set top boxes, televisions, incandescent and compact fluorescent lamps, commercial chillers, and gas water heaters. Sustainability Victoria also commenced the management of a number of projects on behalf of the national committee, which will lead to a further expansion of the program after 2010. This included developing 10 year strategies for both commercial catering equipment and industrial equipment, and reviewing the test standards, MEPS and labelling for gas ducted heaters.

In 2007/08, the Equipment Energy Efficiency program delivered an estimated 1.47 million tonnes of greenhouse gas abatement in Victoria, an extra 656,547 tonnes compared to last year.

#### **Key partners:**

*Department of Environment, Water, Heritage and the Arts (Federal); Energy Safe Victoria; Equipment Energy Efficiency Committee.*

### **Towards greenhouse gas abatement in the residential sector**

As a technical advisor, Sustainability Victoria assisted the Victorian Government in working towards the introduction of the Victorian Energy Efficiency Target Scheme in 2009, including the development of the algorithms for the generation of Victorian Energy Efficiency Certificates.

#### **Key partners:**


*Department of Primary Industries;; Department of Sustainability and Environment.*

### **Modelling an energy efficient Victoria**

We engaged with consultants to model energy efficiency improvement potential across the commercial, industrial and residential sectors in the Victorian economy. The findings were used to model economic, social and environmental impacts of an increased uptake of enhanced energy efficiency over the period of 2008-2020. Modelling was completed in June 2008. The report is now being finalised.

#### **Key partners:**

*ACIL Tasman; Centre of Policy Studies Monash University.*



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## **Sustainability Victoria at Work**

**We demonstrate the highest standards in our own actions. We value our people and work together towards our shared vision for a thriving, ResourceSmart state.**

## **We value the professional skills of our employees whilst recognising the need for ongoing investment in their expertise.**

### **Attracting and engaging our workforce**

Sustainability Victoria values the professional skills of our employees whilst recognising the need for ongoing investment in their expertise. In 2007/08, our staff accessed customised learning and development programmes, engaged with leading thinkers from around the globe in Food4Thought sessions, and took challenging project opportunities that built internal capability. The organisation's commitment to providing a safe environment ensured that no lost time incidents or WorkCover claims occurred during the year and the wellbeing program, including subsidised gym membership and lunchtime yoga assisted our staff in maintaining health and fitness.

### **Setting high standards**

Sustainability Victoria 'walks the talk' when it comes to environmental sustainability. Our environmental management system guides our activities and targets in relation to energy, materials and water use in the work place and externally. In line with our TravelSmart targets, 25 per cent of our staff travelled to work by bicycle and on foot, helping to win a second Ride to Work Day award for the greatest percentage of staff riding to work in our category.

### **Improving our processes**

As part of Sustainability Victoria's improvements to its internal operations and risk management systems, the Corporate Governance Charter, and policies relating to delegated authorities, crisis management, tendering and procurement were strengthened.



**Developing our knowledge assets, capability and systems**

A knowledge management strategy and roadmap was released in October 2007, to support efficient information management and build capability in knowledge management.

Extensive research was conducted with staff via interviews, focus groups and surveys, together with a consultation steering group, to identify gaps and opportunities in Sustainability Victoria's knowledge management approach. A consistent business classification system was developed in May 2007 to govern records and documents and enhance user access.

**Enhancing our engagement with key stakeholders**

In November 2007, Sustainability Victoria undertook benchmarking research to map key stakeholder relationships and to identify emerging themes and opportunities.

# Appendix 1

## Our Performance Snapshot

Program	Objective
<b>ResourceSmart Households (\$10.52m) and Communities (\$4.2m)</b>	
<b>ResourceSmart Consumer Advice Centre</b>	To provide Victorians access to expert over-the-phone and web-based advice on how to cut greenhouse emissions and referrals to other agencies and businesses.
<b>Promoting sustainable behaviour change</b>	To recognise adoption of 10 key sustainable practices and behaviours.
<b>You have the Power – Save Energy campaign</b>	To raise awareness of greenhouse gas emissions with other government agencies.
<b>GreenPower campaign</b>	To double number of customers & GWh.
<b>Compact Fluorescent Lights (Change the Globe)</b>	To achieve mass market switch from incandescent light bulbs to CFLs.
<b>Right Advice at the Right Place</b>	To train retail staff and inform shoppers at the point of sale to make energy and water efficient decisions about appliance, lighting and hardware purchases.
<b>Energy and Water Taskforce</b>	To provide low income Victorians with free energy and water efficiency improvements to their homes.
<b>Rebates</b>	To make it easier for Victorian households to conduct energy and water audits and minor energy retrofits; install ceiling insulation; install high efficiency gas hot water systems, solar hot water systems and photovoltaic (solar) panels into existing homes; and purchase higher efficiency appliances and energy savings packs.
<b>Improved access to Take Back Centres</b>	To promote shared responsibility for the collection and recovery of household computer equipment. To provide safe, easily accessible and cost effective collection and treatment of household chemical related products; and work with the lighting sector on takeback options for mercury containing lamps.

## 2007/2008 performance

The ResourceSmart website development was completed in the 07/08 financial year. An integrated call centre, on-line service centre and Customer Relationship Management system has been scoped for the 08/09 financial year.

10 key actions developed and finalised in 2007/08. Behaviours used to shape Green Light Report research. These will be integrated into our project planning in 2008/09.

Worked with Department of Sustainability and Environment and Department of Primary Industries to further develop and promote energy savings through the black balloons campaign. Research undertaken by NWC in May 2008 revealed over half the respondents who have seen the campaign (57 per cent) indicated that it motivated them to implement additional energy saving behaviour within their households.

The number of Victorian GreenPower customers in June 2008 was 300,833 up 28 per cent from June 2007 and double the number of customers from June 2006. Strong growth in Victorian GreenPower business customers was recorded for 07/08 reaching 10,755 customers in June 2008 up 46 per cent from June 2007.

500,000 energy saving globes distributed to Victorians resulting in at least 220,000 tonnes of greenhouse gas abated. (220,000 tonnes represents the number of globes installed as at March 2008. When all of the globes are installed, the initiative has the potential to save in excess of 300,000 tonnes of greenhouse gas emissions over the life of the globe).

15 appliance, hardware and lighting retail groups signed onto the ResourceSmart Retail program. Point-of-sale material placed in 260 stores.

162 Victorian households provided with free energy and water efficiency improvements to their homes.

1317 solar hot water rebates delivered. 1165 insulation rebates delivered (since August 2007). 45 gas hot water rebates delivered. 557 PVRP solar panel rebates delivered. 99 Renewable Remote Power Generation rebates delivered (200 pre-approved). Regional Solar Hot Water Rebate program initiated (June 2008). TAFE training course developed and delivered to improve quality and effectiveness of insulation installations.

Byteback – 11 brand owners, 13 local governments, a major retailer and the industry's peak body (AIIA) all formally joined the scheme. Eight collection locations now in operation. New engagement program initiated to recruit 12 additional brand owners.  
 Detox – 36 mobile collections held. 10,434 Victorians disposed of over 443 tonnes of household chemical waste. Permanent site network expanded to seven locations. The sites collected over 472 tonnes of paint, gas cylinders, household batteries and fluorescent tubes.  
 Batteryback – 59kg of batteries collected via four stores.  
 Flashback – Trial with key industry partners established.

Program	Objective
<b>Public Place Recycling</b>	To increase the availability of best practice public recycling at high profile locations.
<b>Eco-Buy</b>	To support the development and delivery of sustainable purchasing information and programs for the community, business, local government and Victorian government departments.
<b>Events</b>	Support energy, materials and water efficiency in public events.
<b>ResourceSmart Schools &amp; Skills (\$3.37m)</b>	
<b>ResourceSmart Schools</b>	To support schools to identify and adopt energy, materials and water efficiency measures; GreenPower; integrated infrastructure, behaviour change and curriculum initiatives and increased focus on biodiversity.
<b>Solar in Schools</b>	To deliver the Victorian Government's commitment to supply 500 schools (over four years) with solar energy.
<b>Trades and Professionals Training</b>	Providing skills training for trades people, technicians and professionals in sustainable technologies and practices.
<b>Businesses and Products \$6.64 million</b>	
<b>ResourceSmart Business program</b>	To assist businesses to deliver measurable improvements in resource efficiency that strengthens the bottom line and reduces their carbon footprint.
<b>5 Star ResourceSmart</b>	To recognise and endorse achievement of ResourceSmart benchmarks in resource consumption, product stewardship, sustainability practices and built environment.
<b>Carbon Down</b>	With the Victorian Chamber of Commerce & Industry, assist small-to-medium enterprises to measure, manage and reduce their carbon footprint.
<b>ResourceSmart (commercial) Buildings</b>	To undertake tuning and retrofits of up to five large (>50000m <sup>2</sup> ) & 10 medium (>25000m <sup>2</sup> ) existing commercial office & retail buildings to deliver 90,000 tonnes of greenhouse gas reduction.
<b>New building rating tool</b>	To enable mandatory disclosure of energy, material and water efficiency at time of sale.
<b>5-star standard</b>	Setting minimum efficiency standards for all new homes.
<b>Design for Sustainability</b>	To educate designers and provide tools, knowledge and capacity to limit the environmental impact of products.



## 2007/2008 performance

Eleven projects funded; six metropolitan and five regional

Funding provided to ECO-Buy Limited to accelerate the development of information, tools, communications, industry development and networks that promote sustainable procurement.

213 events Waste Wise certified.  
Average of 38 per cent of waste diverted from landfill.  
Certified events ranged in size from 30 patrons to around 350,000.  
Successfully partnered with five leading Victorian music festivals for Summer of Sustainability 2008.

60 schools funded to complete AuSSI Vic Core and 30 the Waste module; planning undertaken for schools in previous Waste Wise program (200) and AuSSI Vic (300) to become ResourceSmart Schools. Schools Environmental Tracking System (SETS) developed for use by all ResourceSmart Schools to record reductions in energy, waste and water to measure change across the school sector. Teacher guide delivered.

Installations completed on 19 schools and 10 community organisations.

EcoSmart electricians project completed. Accreditation system in place. Over 300 electricians trained. 22 TAFE electrical teachers trained. 16 courses scheduled, 21 delivered. Home Sustainability Assessors course accredited. Two courses delivered. 14 training organisations signed on to deliver the course. Resources for sustainability competency for Preapprentices in construction industry developed. Resources also developed sustainability competency for Business Services sector.

Innovation: Projects implemented this year are saving approximately 55,000 tonnes CO<sub>2</sub>e annually. Businesses include: Ford Australia; Zeobond; Ferguson Plarre; Boeing Hawker de Havilland Partnerships: Business Transformer Program delivered with the National Centre for Sustainability and Swinburne University  
Best practice: Energy efficiency program saved 6,198 tonnes CO<sub>2</sub>e through service equipment and system upgrades on compressed air, hot water, steam, refrigeration, and lighting. Businesses include: Murray Goulburn, Amcor, Ford Australia, Mushroom Exchange Pty Ltd, Nestle, Princes Laundry and Nissan.

Research conducted and framework developed. Initial testing and consultation with a small number of manufacturers undertaken.

Partnership launched in November 2007. Business plan developed and approved June 2008.

Three year partnership with Industry Superannuation Property Trust signed. Green refurbishment of 500 Bourke St commenced. Business cases for retrofit/tuning opportunities in 9 medium sized buildings owned by ISPT developed. 6,981 tonnes of carbon abatement achieved.

FirstRate5 rating tool launched August 2007. Training programs developed and delivered, together with bi-monthly newsletter.

Assisted with the development of the business case for five star housing and the delivery of the house energy rating software program, FirstRate5. Assisted in the development of industry support, seminars and training of Architects and house designers. Also worked with other agencies providing advice on the development of more stringent housing standards to move Victoria closer to the standards applied in Europe and California.

Delivery channels include: D4S hall at designEx in Sydney; Australian Marketing Institute breakfast series; 2008 Australian International Design Awards; Sponsored special award in Australian Interior Design Awards. In-house seminars; Xperiment design conference in Adelaide; Monash School of Design; Eat Green Design.

Program	Objective
<b>Resource Recovery (\$10.53m)</b>	
<b>Commercial and Industrial Resource Recovery</b>	To increase the recovery of resources from the C&I waste stream and create an additional 324,000 tonnes of capacity.
<b>Recycling of organics</b>	To recover 250,000 tonnes of garden waste and 175,000 tonnes of food waste from the municipal and commercial waste stream and to develop sustainable markets for recycled organics products.
<b>Reducing the amount of municipal waste going to landfill</b>	To increase the recovery of resources from the municipal waste stream
<b>Renewable &amp; Distributed Energy (\$3.81m)</b>	
<b>Renewable Energy Support Fund</b>	To support medium-scale renewable energy infrastructure projects to promote clean energy such as wind, solar, biomass, geothermal and tidal power.
<b>Smart Energy Zones</b>	To demonstrate sustainable energy supply and demand strategies that can be integrated in urban redevelopment and greenfield development projects in Victoria.
<b>ResourceSmart Governments (\$1.42m)</b>	
<b>Meeting government targets</b>	To provide support, information and capacity building and recognition to assist Victorian Government agencies to meet their environmental commitments to reduce water usage, increase recycling, improve energy efficiency by 20 per cent and purchase 25 per cent GreenPower
<b>ResourceSmart Local Government</b>	To provide integrated capacity building initiatives to improve local governments' capability to influence and deliver sustainability.
<b>Futures (\$1.78m)</b>	
<b>Minimum Energy Performance Standards (MEPS) (National Framework for Energy Efficiency)</b>	To increase the average energy efficiency of electric and gas products by regulating standards.
<b>Victorian Energy Efficiency Target (VEET)</b>	To provide technical support for the development and implementation of the VEET.
<b>Metropolitan Waste and Resource Recovery Waste Strategic Plan</b>	To partner with the Metropolitan Waste Management Group, EPA, DSE to develop an approved Plan by April 2008.
<b>Solid Industrial Waste Management Plan</b>	To develop an approved plan.
<b>Victorian Litter Strategy</b>	Develop a new Litter Strategy for Victoria.
<b>Reducing the greenhouse gas pollution of Water Authorities across Victoria</b>	To reduce the greenhouse gas emissions and to increase the energy efficiency of Water Authorities' operations and explore new strategic areas such as the management of biosolids.

## 2007/2008 performance

535,389 tonnes recovered which exceeded projected targets by more than 65 per cent –compared to our 2007/08 annual target of 324,000 tonnes. The recovered resources also contributed to 65,932 tonnes of greenhouse gas abatement for the year. The success of the scheme can largely be attributed to a series of major projects completed throughout the year, including Delta Recycling, City Circle Recycling and Timber Waste.

Markets for recycled organics developed in the key areas of urban amenity; viticulture, horticulture and agriculture. Certified compost scheme developed with five key Victorian composters; 50,000 tonnes garden waste diverted; 10,666 tonnes food waste diverted.

The Municipal Solid Waste resource recovery rate for 2006/07 was 41 per cent, surpassing the 2006-07 38 per cent target by 3 per cent. More than 1 million tonnes of material was recovered, an additional 123,464 tonnes on the previous year\* (07/08 figures not yet available); Alternative system for collecting reusable household items also trialled through Moonee Valley City Council.

Three projects were completed: Diamond Energy's Biogas Generation Project in Tatura; geothermal heating project at the Mantra Deep Blue Resort in Warrnambool; South East Water mini-hydro installation.

13 active partner projects signed on. 10 scoping research projects funded to examine site specific proposals; \$1m committed to the Central Victorian Solar Cities project. Also supported the development of the Coburg Solar Cities project.

The ResourceSmart Government program was successfully piloted with Victorian Government agencies. Strategic implementation plan developed.

Consultative committee developed a number of program elements including a self assessment tool, a resource kit/ portal, a data collection tool and best practice examples for a range of Council operations.

MEPS for three-phase packaged air conditioners, ducted air conditioners and large single-phase air conditioners implemented in October 2007; scoping papers developed for industrial and commercial catering equipment and for gas heater standards; draft regulation impact statements for an additional 10 products provided to the Commonwealth Office of Best Practice Regulation (OBPR) in May/June 2008. Delivered an estimated 1.47 million tonnes of greenhouse gas abatement.

Developed the algorithms for the generation of Victorian Energy Efficiency Certificates.

Draft plan launched in April 2008; Public consultation held April – May 2008.

Draft plan developed. Consultation to be held in 2008/09.

Future directions paper for the prevention and management of litter in Victoria drafted. Consultation with stakeholders and finalisation of the paper will be undertaken in the context of the National Litter Plan being developed under the auspices of the Environment and Protection Heritage Council of Ministers in 2008-09.

Coordinated Victorian Water Industry Greenhouse Working Group; Participated in the VicWater task groups for Sustainability, Water Efficiency and Biosolids Management; workshops and seminars held for water corporations on improving energy efficiency and sustainability toolkit (CD) developed.

# Appendix 2

## Sustainability Fund – Projects

### Approved for Funding in 2007/2008

Organisation	Project title
Ausplaztik Pty Ltd	Regional Victoria's Mobile Landfill Waste Shredder - Beast into Beauty
Australian Engineering Solutions Pty Ltd	On-Site Co-Generation: Improved Profitability Whilst Reducing CO <sub>2</sub> Emissions
Ballarat Renewable Energy and Zero Emissions (BREAZE) Inc.	A Climate of Change - Evaluating BREAZE and Creating Effective Community Action for a Sustainable Future
Banksia Gardens Community Centre	Banksia EcoWarriors: Community Empowerment for a Greener Tomorrow
Banyule City Council	Greensborough Principal Activity Centre Development Sustainability Initiatives
Banyule City Council	NAGA 2006 - 2009 Public Lighting Action Program - Stage 2
Bendigo Access Employment	PepperGreen Farm EcoLiving Centre
Brotherhood of St Laurence	Establishing a Sustainable Homes Community Enterprise - Footscray Seed Project
CERES Community Environment Park	CERES EcoHouse Renewal
City of Whitehorse	Sustainability Ambassadors
City of Whittlesea	Growling Frog Golf Course Subsurface Irrigation Trial
City of Yarra	Toward Zero Net Emissions - NAGA
East Gippsland Shire Council	East Gippsland Environment Strategy and Sustainability Officer
Energy Doctor PTY LTD	Solid State Lighting Trial - One Third The Energy Use Of Fourors
Environment Victoria	Green Town - Multicultural Communities for Sustainability
EW Tipping Foundation	Sustain-ability: Action for People with Disability Living in Group Housing
Frankston City Council	Greening Frankston's Children Centres
Future Employment Opportunities	FanPlastic - Eaglehawk Eco Conscious Plastic Goods
GippsDairy Board Incorporated	Green Cleaning - New Sustainable Systems for Cleaning Farm Milking Equipment
Gippsland Regional Waste Management Group	Gippsland Regional E-waste Collectors and Recyclers
Gippsland Regional Waste Management Group - on behalf of Association of Victorian Regional Waste Management Groups	Regional Data Collection and Performance Reporting
Glenelg Shire Council	Glenelg Environment Strategy
Green Collect Ltd	Green Office Move
Heide Museum of Modern Art	Heide SMart: Sustainable Museum Project
Inner City Schools Network	Carbon Sink Schools - New Approaches to Sustainability
KR Castlemaine	The Sustainable Safe Recycling of Effluents from Regional Food Processors



Funding support	2007/2007 Funding Round
\$292,670.00	Sustainability Fund Open Round Three
\$454,000.00	Sustainability Fund Open Round Three
\$152,767.00	Sustainability Fund Open Round Three
\$300,000.00	EcoLiving Grant Program
\$35,000.00	Local Sustainability Accord Round Two
\$50,000.00	Local Sustainability Accord Round Two
\$296,000.00	EcoLiving Grant Program
\$300,000.00	Sustainability Fund Open Round Three
\$180,000.00	EcoLiving Grant Program
\$157,372.00	Sustainability Fund Open Round Three
\$19,800.00	Sustainability Fund Open Round Three
\$180,000.00	Local Sustainability Accord Round Two
\$80,000.00	Local Sustainability Accord Round Two
\$49,920.00	Sustainability Fund Open Round Three
\$560,647.00	Sustainability Fund Open Round Three
\$80,000.00	Sustainability Fund Open Round Three
\$147,920.00	Sustainability Fund Open Round Three
\$52,620.00	Sustainability Fund Open Round Three
\$497,691.00	Sustainability Fund Open Round Three
\$84,630.00	Sustainability Fund Open Round Three
\$368,250.00	Sustainability Fund Open Round Three
\$30,000.00	Local Sustainability Accord Round Two
\$250,000.00	Sustainability Fund Open Round Three
\$375,000.00	Sustainability Fund Open Round Three
\$103,273.20	Sustainability Fund Open Round Three
\$230,000.00	Sustainability Fund Open Round Three

<b>Macalister Community Demonstration Farm</b>	Demonstrating Subsurface Drip Irrigation to Gippsland Dairy Farmers
<b>Manningham City Council</b>	Accelerating Sustainable Building in the Local Government Sector
<b>Maribyrnong City Council</b>	Zero Emissions Electric Vehicles for Four Victorian Councils
<b>Monash University - Department of Civil Engineering</b>	Geothermal Foundation System for Heating and Cooling of Buildings
<b>Monash University - Monash Sustainability Institute</b>	Bridging the Skills Gap: Sustainability Training and Work Placements for Professionals
<b>Moonee Valley City Council</b>	The Moonee Valley Green Precinct - Greening our Valley
<b>Moorabool Shire Council</b>	Planning for the Future of Melbourne's Peri-Urban Rural Councils
<b>Mount Alexander Sustainability Group</b>	Creating a Climate of Change - Models of Sustainability
<b>Nillumbik Shire Council</b>	Victorian Sustainable Streetlight Project
<b>North East Neighbourhood Houses Network</b>	Greener Houses Growing Greener Neighbourhoods
<b>North East Victorian Waste Management Group</b>	Applying the Waste Hierarchy to Organic Waste Management in North East Victoria
<b>One Umbrella Australia Inc</b>	Sustainability Gains Through Food Recovery and Reuse Expansion
<b>Phillip Island Landcare</b>	Sustaining Coastal Communities - Connecting the Street to the Land
<b>Port Phillip EcoCentre Inc</b>	Roadmap/Guidelines for EcoLiving Centres: Getting Started and Tools for Behaviour Change, EcoLiving Behaviour Change Roadmap and Tool kit
<b>Resource GV - on behalf of Association of Victorian Regional Waste Management Groups</b>	Sort and Save - RWMG Transfer Station Promotional Campaign
<b>Rinnai Australia Pty Ltd</b>	Design and Development of Renewable Cooling and Power Generation Systems
<b>Sandhurst Catholic Education Office</b>	On Holy Ground - The Implementation of an Ecological Vision for Catholic Education in Victoria
<b>Southern Cross Care Victoria</b>	Sustainable Retirement Village of the Future: Southern Cross Care Victoria, Lynbrook
<b>Southern Grampians Shire Council</b>	SW Regional Strategic Sustainability projects for Local Governments – Local Environment Strategy
<b>Sunraysia TAFE</b>	Towerhill EcoDemonstration Centre
<b>Sustainable Living Foundation</b>	Sustainable Living Events Platform
<b>The Environment Shop Pty Ltd</b>	EcoLighting for Vic Business
<b>Towong Shire Council</b>	Sustainable Watering of Recreation Reserves Using Treated Effluent and/or Stormwater
<b>UnitingCare Harrison Community Services</b>	Retirement Village Communities: Safely Responding to Sustainability Challenges
<b>Victoria University</b>	Iramoo EcoLiving Centre
<b>Violet Town Action Group</b>	Violet Town EcoLiving Demonstration Project

\$190,340.00	Sustainability Fund Open Round Three
\$230,000.00	Local Sustainability Accord Round Two
\$96,000.00	Sustainability Fund Open Round Three
\$250,000.00	Sustainability Fund Open Round Three
\$20,920.00	Sustainability Fund Open Round Three
\$190,909.00	Sustainability Fund Open Round Three
\$113,000.00	Local Sustainability Accord Round Two
\$107,561.00	Sustainability Fund Open Round Three
\$506,306.00	Sustainability Fund Open Round Three
\$299,677.00	EcoLiving Grant Program
\$172,387.00	Sustainability Fund Open Round Three
\$35,000.00	Sustainability Fund Open Round Three
\$289,000.00	Sustainability Fund Open Round Three
\$140,000.00	Sustainability Fund Open Round Three
\$162,100.00	Sustainability Fund Open Round Three
\$150,000.00	Sustainability Fund Open Round Three
\$143,000.00	Sustainability Fund Open Round Three
\$85,000.00	Sustainability Fund Open Round Three
\$83,000.00	Local Sustainability Accord Round Two
\$271,600.00	EcoLiving Grant Program
\$54,600.00	Sustainability Fund Open Round Three
\$111,818.00	Sustainability Fund Open Round Three
\$100,000.00	Sustainability Fund Open Round Three
\$265,000.00	Sustainability Fund Open Round Three
\$300,000.00	EcoLiving Grant Program
\$300,000.00	EcoLiving Grant Program

# Appendix 3

## Environmental Sustainability

### Action Statement Index

In July 2006, the Victorian Government released a Sustainability Action Statement *Our Environment Our Future*. The Statement outlines Victoria's approach to addressing the environmental challenges facing us today. This index identifies those actions that Sustainability Victoria has a key role in delivering.

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**We all have the power  
to *change*.**





**2007-2008 Annual Report  
Year in Review**

**To be read in conjunction with  
'A Climate of Change – Book Two'**