



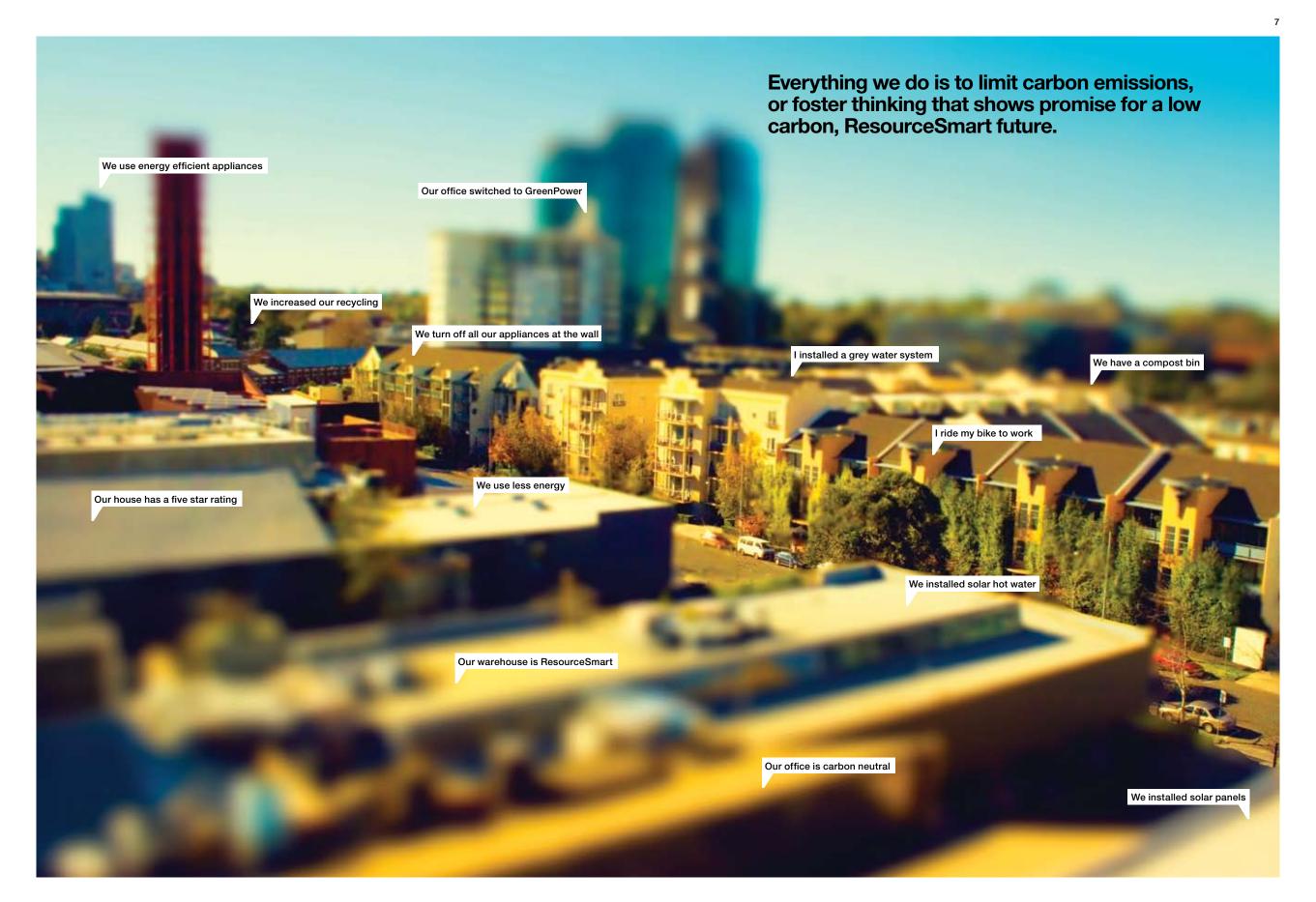


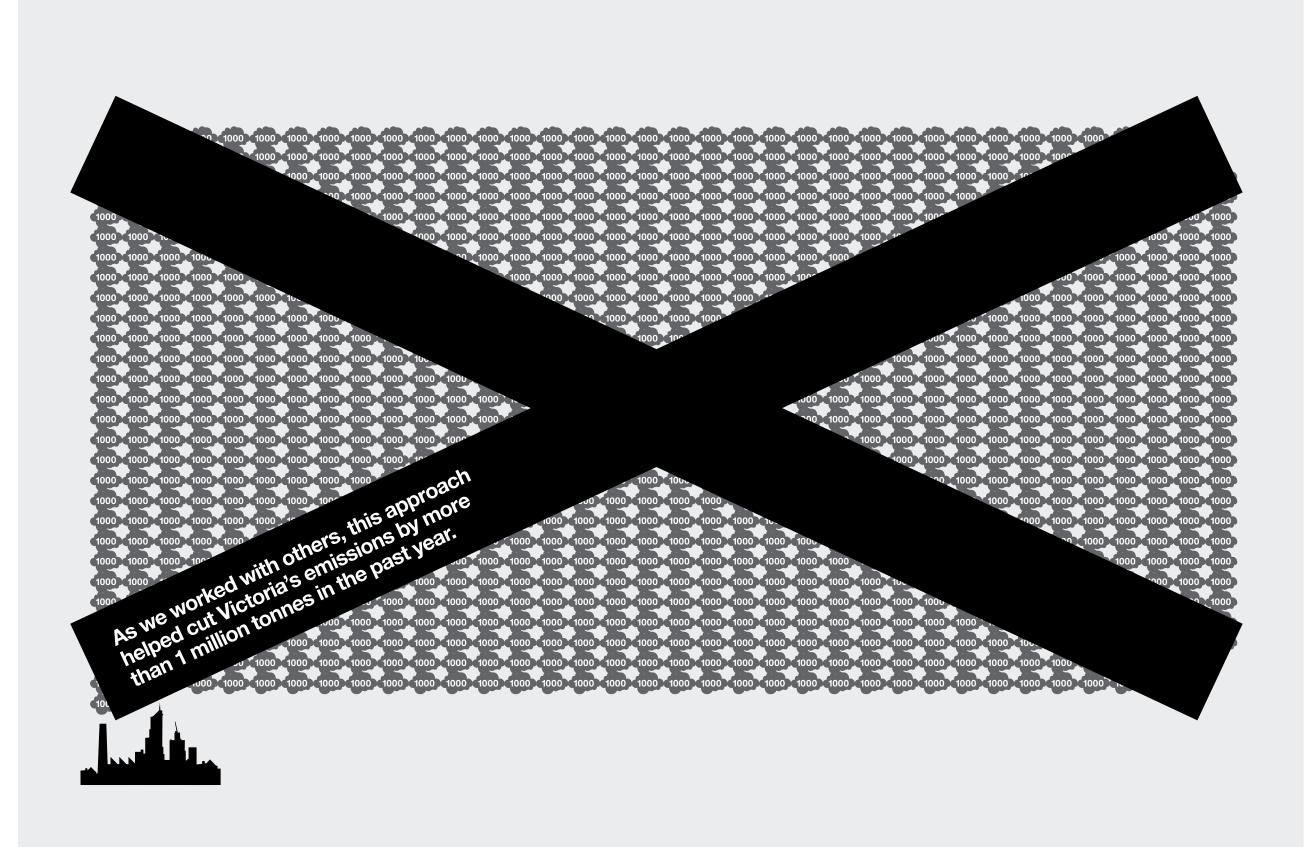
2006/07 brought climate change into sharp focus on a global scale, and shaped the way we work.

We're now in the business of cutting carbon.

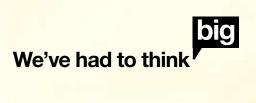


Sources: World Meteorological Organisation www.wmo.ch Australian Government Bureau of Meteorology www.bom.gov.au





And it has set us down the road to deliver 10 million tonnes of greenhouse gas abatement by 2010.



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Copies of this Annual Report are available electronically on the Sustainability Victoria website, sustainability vic.gov.au

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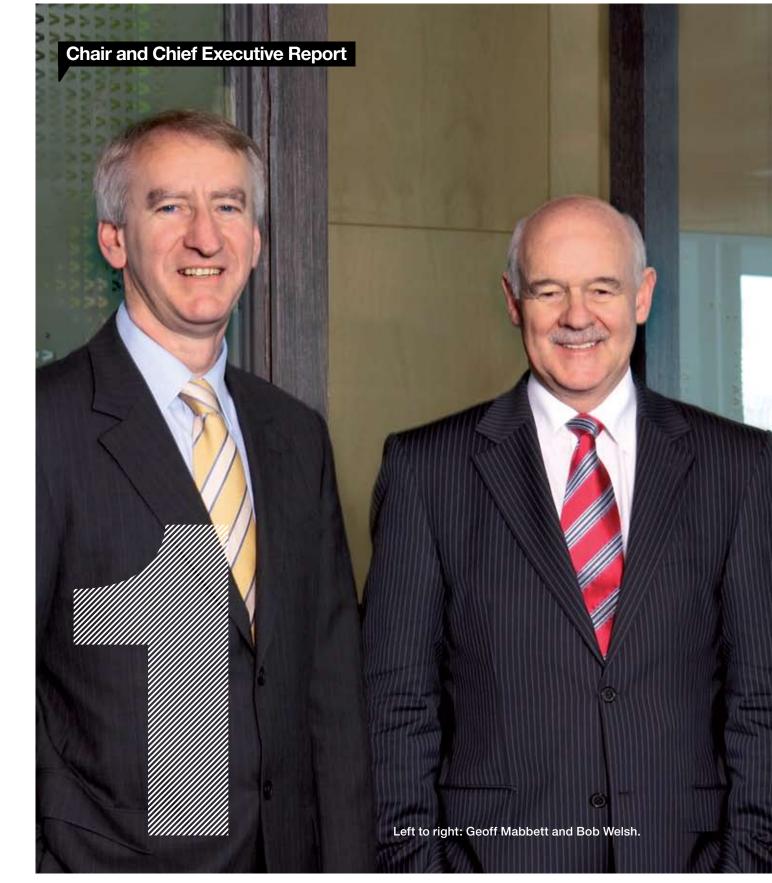
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As the ground swell of public opinion on climate change rapidly moved in favour of environmental sustainability during 2006/07, our agency's work found a foothold in Victorians' daily lives.

Widespread acceptance of the need to act to reduce human impact on the planet thrust our core business into the mainstream. And together with others, we played a pivotal role in raising the profile, and taking major steps toward securing a sustainable future for Victorians.

With industry, schools, community groups and everyday Victorians, we made an impact. Our shared efforts helped reduce greenhouse gas emissions by more than one million tonnes. And we are now working to cut 10 million tonnes of greenhouse pollution by 2010.

In 2006/07 our efforts with our key partners made major inroads to meeting our long term objectives. Victorians increased their uptake of GreenPower by 98%. We landed Victoria on the world stage, as An Inconvenient Truth filmmaker Al Gore took Victoria's energy saving black balloons campaign back to the US as the first advertising campaign of the Alliance for Climate Protection. Event holders heard our Waste Wise messages, and increased participation by 80%. In our own operations we ensured 95% of waste was diverted from landfill, as we consolidated our three offices into one. And our support of Victoria's green innovators led to national and international recognition of the highest kind, including a UN World Environment Day Award for a Sustainability Fund recipient.

Ose 2Jeb

Bob Welsh Chairman

We achieved a strong financial outcome this year with a net surplus of \$1.9m at 30 June 2007, after investing \$38.6 million in sustainable outcomes from revenue of \$40.5 million. Looking ahead, we have already committed \$15.5 million in new projects with our partners.

This year's annual report captures a year of great change. It is an open account of our own successes, the successes of others, and the challenges of our fast emerging sector. Book one explains our activities, and how we worked with others to deliver solutions. In Book two, we share our core reporting data, to show in an open way how we measured up to the targets we set ourselves at the beginning of the year.

Thank you to our Board, management and all Sustainability Victoria staff for a year that can only be described as one of action. It sets a strong foundation for our longer term challenges to deliver 10 million tonnes of greenhouse gas abatement by 2010, and the targets of Towards Zero Waste by 2014.

See Appendix one for a complete summary of our performance this year.

Geoff Mabbett Chief Executive

## Big CO<sub>2</sub> Savers

# Talking about GreenPower helped deliver some of Victoria's biggest reductions in CO<sub>2</sub>

As uptake grew more than 62% in the last year, GreenPower sales helped to cut Victoria's emissions by about 420,000 tonnes – the same as turning off power to 24,000 homes for a year.

Sales reached 314GWh	Working with our key partners, we promoted the national GreenPower program to Victorian homes and businesses in an effort to increase sales from 196GWh the previous year. By end of June 2007, sales had reached 314GWh.
228,389 residential customers converted	228,389 residential customers converted to an average of 12% GreenPower, contributing a 208,000 tonne reduction in emissions. And 7,363 commercial customers also heard the call to switch to GreenPower – reducing the state's emissions by 212,000 tonnes.
Ccredited Renewable Energy	Developing a clearly identifiable GreenPower logo and new website helped build customer awareness. And working closely with electricity retailers, we facilitated greater promotion of GreenPower to customers. New retailers were especially responsive to the call to action.
Tatal aguing 100 000 tannag laga 00	

### Total saving = 420,000 tonnes less CO<sub>2</sub>

GreenPower is electricity generated from clean, renewable energy sources, such as solar, wind, biomass and hydro power. When you buy a GreenPower product from your electricity supplier, renewable energy is purchased on your behalf. By agreeing to pay a small additional charge on your electricity bill, you are replacing conventional electricity with clean, renewable energy.

### Key partners:

Energy retailers; Department of Territory and Municipal Services ACT; Department of Water and Energy NSW; Department of Mines and Energy QLD; Department of Transport, Energy & Infrastructure SA; Sustainable Energy Development Office WA.

## Big ideas helped make big CO<sub>2</sub> savings

We've taken the first steps toward carbon accounting. We're in new territory, and we're learning constantly. We continue to challenge our thinking and refine our processes to find the best ways to accurately measure human impact. We've worked hard with others, to make a good start in reducing Victoria's growing carbon debt.

## Increase energy efficiency of electrical appliances and equipment

We've continued work with key partners through the national Equipment Energy Efficiency (3E) program to set higher efficiency benchmarks for key household appliances and business equipment. In 2006/07 we continued to expand the number of products subject to energy efficiency regulation. Major outcomes for the year included standby power consumption ratings added to the energy ratings of washing machines and dishwashers and continued work to introduce regulation for set top boxes, home entertainment equipment, gas water heaters and external power supplies. A post-implementation evaluation of fridge standards and labelling was also conducted and confirmed that expected energy and carbon savings were achieved and that regulation has not impacted product pricing or consumer choice.

### Key partners:

Australian Greenhouse Office and the 3E Committee; Energy Safe Victoria; Department of Sustainability and Environment VIC; Department of Primary Industries VIC; equipment manufacturers and suppliers.

Total Saving = 813,000 tonnes less CO<sub>2</sub>

## Making new Victorian homes 20% more efficient with 5 Star standards

About 38,000 new homes built in Victoria during 2006/07 are at least 20% more resource efficient due to efforts with our key partners to develop 5 Star housing standards, and upgrade house energy rating software FirstRate5. Compliance with the 5 Star standard requires a 5 Star energy rating for the building fabric plus water savings measures, and the installation of either a rain water tank or a solar hot water service. The result is a carbon saving of more than 136,000 tonnes this year, and 422,000 tonnes since 5 Star was introduced in 2004. We also worked to redevelop FirstRate to match national benchmark software AccuRate, and improve its functionality including the ability to zone a house according to room use. The result, FirstRate5, is available from August 2007.

### Key partners:

Department of Sustainability and Environment VIC; Building Commission.

Total Saving = 422,000 tonnes less CO<sub>2</sub>

## Change industry behaviour to make Victorian businesses ResourceSmart

We launched ResourceSmart Business in July 2006 to support the commercial transition to a low carbon economy. Program funds are directed at businesses using innovative practices to build competitive, viable, sustainable enterprises. In our first year, we helped sign Australia's first Sustainability Covenant with the nation's largest glass manufacturer -Pilkington Australia. It followed the announcement of a \$130 million joint investment with the Victorian Government in its Dandenong plant to improve resource use and reduce emissions. Pilkington will produce a high efficiency glass that helps reduce household energy consumption, and its standard product lines will be more cost competitive and resource efficient. Other major projects supported by ResourceSmart Business in 2006/07 included South East Water and Bluescope Steel water recycling project; AGL and Symex cogeneration power plant; Gippsland Water Factory renewable energy project; and Frigrite high efficiency refrigeration cabinet development (see pg 29).

### Key partners:

EPA Victoria; Australian Industry Group; various Victorian businesses.

Total Saving = 71,000 tonnes less CO<sub>2</sub>

## Support commercial and industrial sectors to reduce waste and bring down emissions

As part of our overarching Towards Zero Waste objectives we invested \$1.5 million into Commercial and Industrial Resource Recovery across 12 completed projects in 2006/07. The result was 162.000 tonnes of waste diverted from landfill and an emissions reduction equivalent of 57,000 tonnes. Project highlights included: Graham Campbell Ferrum, which diverted 85% of sand waste from used moulds with new technology using a \$197,590 grant; KR Castlemaine, which increased resource recovery from 20% to 83% with a \$108,308 grant: Sims Tyres, which increased waste recovery by 3,000 tonnes with a \$150,000 grant; and Chemsal, which now diverts about 200 tonnes of paint and 500 tonnes of metal packaging annually after receiving a \$200,000 grant. A new round of grant applications were also processed with \$5.8 million granted to 29 projects due to start in 2007/08 with an investment leverage of 5:1.

### Key partners:

Regional Waste Management Groups; waste management and recycling industry; various commercial and industrial businesses.

### Total Saving = 57,000 tonnes less CO<sub>2</sub>

### **Education and information**

# Al Gore took our big Black Balloons campaign to the Live Earth world stage

"I can't thank the Victorian Government enough for allowing the Alliance for Climate Protection to use your Black Balloons TV commercials.

From the first time I saw the films I have been very impressed by their potential to have a significant impact on the way people think about their role in the climate crisis.

We plan to show the commercials as part of Live Earth series concerts taking place around the world on July 7 and over the following months on national television in the United States."

- An Inconvenient Truth filmmaker Al Gore

Together with our key partners we created the black balloons energy saving campaign.

In June 2006 the ads hit Victorian TV screens. By May 2007, 73% of Victorians who had seen the ads believed the Black Balloons campaign had been effective in motivating them to use less energy.

Our target in 2006/07 was to increase awareness about the links between household activity and greenhouse gas emissions. It formed part of a five year push under the Victorian Greenhouse Strategy Action Plan 2005 to reduce household emissions by 10% by 2010. We led the development of the Black Balloons creative device, along with a new energy saving website (www.saveenergy.vic.gov.au) and information kits for use by local governments and intermediaries. Our key partner, the Department of Sustainability and Environment, ran the TV ad and print media campaign, and conducted research into its effectiveness. A working group including our key partners began phase two of the campaign – which will educate Victorians how to change behaviours to reduce greenhouse gas emissions.

*Key partners:* Department of Sustainability and Environment VIC; Department of Primary Industries VIC.

### We worked with a big number of industry leaders to help us inform Victorians and raise the profile of our innovators

Educating and informing Victorians is central to driving change in behaviour. With key partners, we're applying best-of-industry knowledge across each sector. And we're bringing together leading experts to drive communications that impact how Victorians use our resources.

### Giving free public forums to educate industry about improved commercial building performance

International and local industry experts were gathered for a series of eight free public talks. The Melbourne Forum talks targeted the sustainable performance of new and existing commercial buildings, with topics including: Sustainability in the Retail Sector; Financial Sustainability in Commercial Buildings; Sustainability in Existing Stock; Sustainable Buildings in the Global Market; Sustainable Tenants – Green Leasing; World SB08 launch; Future Proof or Water Proof? H2O, Tomorrow's Gold.

### Key partners:

City of Melbourne; Building Commission; Australian Institute of Refrigeration Air Conditioning and Heating; Green Building Council of Australia.

### Developing a governance model to facilitate education for sustainability in all Victorian schools

Our aim with key partners was to shape a strong sustainability education framework to facilitate widespread uptake of sustainability education in more Victorian schools. Our key target in 2006/07 for the Sustainable Schools program was to facilitate agreement about the preferred model of future programs. Extensive consultation and analysis was undertaken with key partners this year to develop and assess a range of alternative models.

### Key partners:

Department of Education VIC, Department of Environment and Sustainability VIC; EPA Victoria; Victorian Association For Environmental Education; metropolitan water retailers represented by Melbourne Water and City West Water.

## Talking to Victorians about butts to help reduce 56% of our litter problem

With cigarette butts making up 56% Victoria's litter stream, we made pre-emptive moves to reduce possible volume increases in the lead up to pubs and clubs no longer permitting indoor smoking from July 2007. Our Don't be a Tosser: Bin Your Butts campaign targeted TV news, radio and newspaper outlets. We worked with local governments and licensed venues to inform smokers about litter prevention. And we provided 8,500 information kits and grants to install butt bins at 60 venues. A full impact evaluation will be completed by September 2007, but early data shows increasing involvement from councils and venues.

### Key partners:

Victorian Litter Alliance; Local governments; Regional Waste Management Groups; EPA Victoria; Municipal Association of Victoria; Butt Littering Trust; Australian Hotels Association; Clubs Victoria; Restaurant and Catering Association; Department of Human Services VIC; Department of Environment and Climate Change NSW; Toyota Australia.

### Using leading expertise to set clear benchmarks and grow our renewable energy sector

As part of our Small Energy Systems portfolio, we gathered leading international and local expertise to grow our renewable energy sector. In 2006/07 major achievements included: The Australian and New Zealand solar water heater standards committee finalising standards which could lead to widespread use of new technology and efficiencies in industrial process heating; Solar cooling seminars led by international expert Dr Hans-Martin Henning, and attended by Australian researchers; Pilot trials to examine the potential of leading technologies to reduce the peak load on electricity supply networks and; An agreed industry standard with the Business Council for Sustainable Energy on the rating procedure for solar water heaters for Australia and New Zealand.

### Key partners:

Business Council for Sustainable Energy; Alternative Technology Association; Powercor; Standards Australia.

### Gathering international experts and local industry leaders to advance Victoria's green sector

With 'leading thinking' established as one of our core values, we set out to gather best-of-industry knowledge and host key interactions with world leading thinkers in 2006/07. We utilised expertise to grow our own knowledge and hosted forums to inform industry.

### Key speakers

Leading US green building expert	Jerry Yudelson
World leading social economist	Nic Frances
US green manufacturing expert	Gary Langenwalter
German solar energy systems expert	Dr Hans Martin-Henning
Clean technology and resource management expert	Prof Allan Ake Johansson
Sustainable city development expert	Prof Peter Newman
Canadian-based social marketing pioneer	Doug McKenzie Mohr
UK Business Council CEO	David Green
London-based energy policy expert	Dr Gill Owen
Internationally renowned sustainability researcher	Prof Jorgen Randers
World leading geothermal energy expert	Prof Jefferson Tester
IBM Corporation environmental affairs director	Edan Dionne
European environmental economist	Wim Hafkamp
UK-based sustainable city development expert	Peter Head
UN award winning environmental activist and author	George Monbiot

### Raising the profile of environmental efforts through the Premier's Sustainability Awards

The profile and calibre of the Premier's Sustainability Awards was raised significantly this year as our agency took over the role of host on behalf of the Victorian Premier.

### This years winners were:

Small business

Sustainable Living Fabrics grew profits while cutting water use by 62% and greenhouse gas emissions by 42% producing high quality, low impact wool-blend textiles for Australian and international markets.

### Public sector

Kangan Batman TAFE's new Automotive Centre of Excellence is Australia's first educational facility to receive a 5 Star Green rating from the Green Building Council of Australia (more pg 29). It was acknowledged for excellence in sustainable design, and for systems that limited greenhouse emissions and water consumption. It was also the first Victorian TAFE to sign a Sustainability Covenant with EPA Victoria – which has set a benchmark for other vocational institutes.

#### Product or service

Frigrite Refrigeration has designed and manufactured Australia's first high efficiency supermarket refrigeration, which cuts up to 84% of damaging HFC emissions, and up to 35% of greenhouse emissions compared to standard refrigeration (more page 29). And it offers significant energy savings of about 12%.

#### Community

The Centre for Education and Research in Environmental Strategies (CERES) generates \$4 million annually and reinjects it into community environmental initiatives, such as water saving projects and organic farming. Based in Brunswick East, it aims to raises environmental awareness through displays and demonstrations. As a key network for conservation and ecology groups, it also hosts education programs for about 60,000 students annually.

### Big business

Two large businesses were recognised for outstanding environmental leadership, although no formal award was made for this category. Origin Energy was recognised as one of Australia's leading providers of energy, with substantial investment in exploration and production, gas fired power generation, retail and trading, and distribution networks. Sustainable development has been integral to Origin's business strategy, and its achievements include; 140,000 green power customers and zero greenhouse gas emissions from its Australian offices, shops and LPG terminals since 2004. Sensis was recognised for its environmental and social commitments from the office through to partnerships such as the Sustainability Covenant. Sensis' Directory Recycling program resulted in 77 per cent of Yellow and White Pages directories being recycled with an additional 18 per cent being reused in the home or office in 2006.

**Collaboration with industry** 

# We took one of Australia's first big steps toward changing education in our trades sector

Working with key partners NECA we helped create Eco Smart Electricians – Australia's first sustainable training and accreditation system for electricians. Following a pilot, the course is now ready for roll out across Victoria.

The course forms part of our broader program Training for Tradies, which aims to equip tradespeople with knowledge to inform householders about ways to improve energy, water and waste use. In 2006/07 our target was to obtain industry expertise on relevant course content, develop draft resource programs, and structure pilot courses. Successful partnerships will lead to the roll out of the first courses at TAFE facilities across Melbourne and regional Victoria in 2007/08. A minimum of 240 licensed electricians are expected to receive training in domestic, commercial and industrial sectors, in units including: energy management; lighting, pumps, fans and motors; and heating and cooling.

As part of the National Framework for Energy Efficiency, consultation was also undertaken with key industry partners in trades sectors including heating, ventilation and air conditioning; engineering; and facility management.

### 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.

### We started investing in future carbon savings by taking big steps with industry now

At the grass roots of industry, we're partnering to effect long reaching change. Our financial backing and advice supports business to test new ground and look for solutions that deliver economic benefits and long term environmental security.

### Investing in groundbreaking clean technologies for long reaching sustainable change in our energy sector

We invested \$2.35 million into clean energy solutions through our Renewable Energy Support Fund. Five major projects were announced with support of our RESF scheme – delivering ground breaking innovation including Australia's first solar sound barrier and first community-owned wind park (more pg 29). The projects are projected to save about 75,000 tonnes of greenhouse gas per year. Projects announced in 2006/07 included: Hepburn Renewable Energy Association Community Wind Park; South East Water mini-hydro; Consolidated Energy and Resource green waste to energy project; Tullamarine Calder Interchange solar sound barrier; and Warrnambool Waters Resort geothermal heating project.

#### Key partners:

Renewable energy developers; water authorities and community associations.

## Making it easy for business and governments to integrate green buying programs

We fostered the expansion of Victoria's ECO-Buy program with our key partners. We aimed to reach beyond local governments to help businesses and governments introduce green purchasing programs. This year, ECO-Buy signed on six major businesses, and now has 13 businesses forming a leadership group for the scheme. Local government membership also exceeded targets to reach 77%. We commenced a partnership with a council to develop a model for introducing sustainable purchasing into core business. And a commitment was made to establish an ECO-Buy Centre for Excellence in Environmental Purchasing to make it easier for all Victorians to use their purchasing power to grow the market for sustainable products. ECO-Buy now promotes recycled content products; products and services that reduce CO<sub>2</sub> emissions; and water saving and low toxicity products and services.

### Key partners:

Municipal Association of Victoria; Department of Sustainability and Environment VIC.

### Applying new thinking to solar technology to power public facilities and community centres

Our Victorian Solar Innovation Initiative supports new applications of solar technology. It led to new technologies including the award-winning 'Channel Panel' installed at Huntly Primary School, which was featured on ABC's New Inventors program. And reports about new solar solutions were taken to major industry events including the World Renewable Energy Congress. A total of 37 refurbishments applied new solar solutions at schools, kindergartens, sporting facilities, art centres, and community health centres. And technical data sheets and case studies were published to guide engineers and architects on how to apply the designs.

### Making it easy for Victorians to choose energy efficient products with clear information at retail stores

With lighting, appliances, water heating, and temperature control making up to 61% of household greenhouse emissions, we approached 500 major retailers to introduce information about the energy efficiency of products at the point of sale. Leveraging awareness of our Black Balloons campaign – our Right Advice at the Right Place program secured agreements with some of Victoria's biggest appliance retailers. And discussions continue with other major retailers. Program roll out was set back to ensure program materials met the highest standards.

### Key partners:

Clive Peeters; Origin Energy; AGL; ELGAS; Beacon Lighting; Bunnings; Mitre 10; Camberwell Electrics; Harvey Norman; Good Guys.

## Supporting development of more sustainable cost-efficient commercial buildings

Our Commercial Building Innovation Initiative has helped developers apply new technologies at major projects across the state, including: Bendigo Bank headquarters, which installed underfloor air conditioning and other technologies to save 51% energy and 69% water; Metropolitan Fire Brigade which saved 52.5% energy and 64% water; and Szencorp headquarters, whose refurbishments delivered 40% gas reduction and 83% water savings. We also extended funding to help shopping centres, health and educational facilities go green.

#### Kev partners:

Property Council of Australia.

### Turning communities into Smart Energy Zones by combining energy demand and supply solutions

In February 2007 we launched the Victorian Government's \$4 million Smart Energy Zones program, to integrate small-scale community based energy creation with efficiency measures. It follows global trends toward localised power production, and is expected to give communities the chance to manage their own energy supply through small networks of sustainable energy technologies such as co-generation, hydro, wind and solar power. Our target in 2006/07 was to identify opportunities and scope project viability. We conducted workshops with six groups, and committed to scoping projects with Banyule City Council and the Victorian Office of Housing.

### Key partners:

Developers; local governments; industries and community-based interest groups.

### Innovation and leadership

# We helped others be the first to try out their big ideas

Hemisphere's first Tullamarine-Calder Interchange Alliance trialled the use of solar panels in freeway noise walls. A 500m section of wall with 210 solar panels will offset 5% of the freeway Key partners: lighting's annual energy demand. TCI Alliance (VicRoads; Baulderstone Hornibrook; Parsons Brinckerhoff). Australia's first Melbourne-based Frigrite is Australia's first company to design and manufacture high efficiency CO<sub>2</sub> commercial refrigeration, with our funding support. Used by Coles supermarkets, Cascade Refrigeration units have widespread potential for cutting emissions – with Key partner: supermarket refrigeration currently making up 1% of Frigrite. Australia's total electricity demand. Australia's first With 70% of a product's environmental impact able to be resolved at the design stage, we worked with key partners to develop Design for Sustainability as a legitimate design activity. We helped designers and product developers to achieve better environmental outcomes and sponsored Key partners: the inaugural Award for Excellence in Sustainable Design at the annual Australian Design Awards, won by Caroma Standards Australia, for their H2Zero waterless urinal. And if that wasn't enough, RMIT; Design Institute of Australia; Product we also hosted the first ever showcase of sustainable Ecology; Charlwood products at the national DesignEx exhibition. Design. Australia's first We've provided financial backing and expertise for Australia's first community-owned wind park – a renewable renewable wind park energy solution already used in Europe. Two wind turbines located 10km from Daylesford will produce enough power Key partners: for almost all households in the entire Daylesford/Hepburn Hepburn Renewable Springs region. Energy Association: Future Energy. Australia's first In an Australian first, Kangan Batman TAFE Automotive rainwater roof Centre of Excellence is reducing the building's energy demands by up to 71% using energy saving technology including a rainwater cooling system. Spraying recycled Key partner: water onto a metal roof deck at night, the water cools Kangan Batman TAFE. naturally, and is used in combination with an active thermal mass for cooling the building by day. We provided backing for the project via our Commercial Building Innovation Initiative. Victoria's first Moonee Valley's 48,000 residents are on track to save kerbside recycling hundreds of tonnes of unwanted clothes, mobile phones, toys and household bric-a-brac from landfill every year with an innovative kerbside collection of household goods, also believed to be an Australian first. Preloved goods are Key partners: collected from recycling bins the day following normal

kerbside service for reuse or recycling.

Backed by our Renewable Energy Support Fund, the

The Southern

City of Moonee

Valley; FM Recycling.

Towards Zero Waste

# We had a Big Day Out to sing about making Victoria and its events Wastevise

Promoting Waste Wise drove an 80% increase in the number of Victorian events certified under the scheme – far outstripping the 20% growth target set for 2006/07. Uptake by major event organisers also grew beyond target, with 11 – including the Big Day Out – now Waste Wise.

We set out to understand the drivers and barriers for the Victorian events industry in delivering greener events. And we provided in-kind support, in the way of planning advice and bin caps, to help major event organisers improve waste outcomes. By the end of 2006/07 a total of 207 events were certified as Waste Wise, compared to 115 the previous year. The total included 6 gold, 32 silver and 169 bronze events with an average of 30.7% of waste diverted from landfill, or about 449 tonnes. Events ranged in size from 200 patrons to more than 220,000 – with the level of certification based on the length of time and amount of activity dedicated to the program, such as recycling, and promotion of Waste Wise initiatives.

Major Victorian events certified as Waste Wise in 2006/07 included: FINA World Swimming Championships; Caulfield Cup; GMC Australian Motorcycle Grand Prix; Queenscliff Music Festival; Sustainable Living Festival and Rip Curl Pro. Waste materials that could otherwise be recycled or reused present a lost resource opportunity, and compound our need to draw on further resources. The impact is millions of tonnes of waste to landfill each year and increased emissions. We're working with industry and households to use resources more wisely.

### Encouraging industry ownership of waste recovery through Paintback™

With key partners we targeted the recovery of paint – the single most problematic household chemical item. With 178 million kilograms of unwanted paint and containers estimated to be dumped into the environment by the end of the decade if nothing is done, we worked with Bunnings to pilot a safe disposal centre at its Vermont South site. And Dulux worked to recvcle the paint into its Walpamur™ fence paint range. The success of the pilot extended it from 12 to 15 months, and scheme improvement over time brought recovery costs from \$8.76/kg down to \$0.74/kg – reassuring industry of its viability. Negotiations have commenced to turn the Banksia Award winning Paintback<sup>™</sup> into a permanent national scheme. And we're now investing in tests for uses for unwanted paint in the construction industry.



### Key partners: Dulux; Bunnings; Bluescope Steel; Chemsal; Steel Can Recycling Council.

### Delivering Australia's first long term IT waste recovery scheme through Byteback™

A \$2 million Victorian Government investment into the continuation of Byteback<sup>™</sup> helped secure crucial industry buy in. Agreement to participate was reached with some of the computer industry's biggest brands. Participants agreed to cover the full cost of recycling their branded product, and support a fund to promote the program to residents and small businesses wanting to dispose of old computer equipment at a planned nine sites across Victoria. In 2006/07 a total of 230 tonnes of equipment was collected at the Boroondara site, with 97.9% diverted from landfill. An additional recovery site began operating in Geelong.



### Key partners:

City of Boroondara; Hewlett Packard; Sims E Recycling; K&S Environmental; Apple; Canon; Dell; Epsom; Fujitsu; Fuji-Xerox; Hewlett Packard; IBM; Lenovo; and Lexmark.

### Targeting collection of rechargeable batteries as a Towards Zero Waste priority

Agreements were reached with key partners during 2006/07 to run a three month trial of Batteryback – a recovery scheme for rechargeable batteries. Identified as a priority under our Towards Zero Waste strategy, the products will be safely collected at retail stores. And it is anticipated that up to 35% of the product will be recovered for recycling, based on overseas experience.



### Key partners:

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

### Improving kerbside collection recycling across Victoria to increase recovery rates

Best Practise Kerbside Recycling set out in 2006/07 to increase the yield of municipal recyclables. With a rural focus, we aimed to engage 10 new councils. By the end of the year, we had assisted 12 new rural councils to introduce best practice services at rates higher than the Preferred Service Standards. This equates to 86,328 new services with an average yield of 4.39kg per tenement per week, generating 19,706 tonnes per annum of recycled materials. In addition, two metropolitan councils and one rural council gained Stage 2 funding, totalling \$171,092. 96% of Victorian households now have access to kerbside recycling services.

### Key partner:

Local governments.

## Helping fund community recycling centres

20 projects received conditional approval for the coming year through our Municipal Infrastructure Investment Grants program with a total of 30,000 tonnes of waste diversion and 11,500 of greenhouse gas abatement expected. Among major projects this year, we contributed \$400,000 to the \$1.9 million redevelopment of Stonnington's Waste Transfer and Resource Recovery Centre, which is expected to divert 7000 tonnes from landfill annually when it's completed. We also backed an upgrade of Werribee's waste transfer and recycling facility. We provided \$455,000 for the \$1 million project, which is expected to divert 5000 tonnes of materials in its first year.

*Key partner:* Local governments.

### Increasing access to mobile and permanent toxic waste disposal services to divert household chemicals from the environment

Our ongoing Detox Your Home program targeted increased participation in our free mobile collection services for household chemicals. An increased total volume of 630 tonnes of household chemicals recovery was recorded, as over 8000 Victorians used the 13 metropolitan and 23 regional mobile collections available in 2006/07 and four permanent sites. We also commenced the establishment of several new permanent collection facilities across the state with \$2 million committed by the Victorian Government, and secured funding from Melbourne's water businesses to assist program communications.

### Key partners:

Local governments; Regional Waste Management Groups; metropolitan water retailers.

## Research, reporting and policy

# We made big efforts to influence policy, research new possibilities, and assess our impact

In the fast emerging green economy, we need to understand the effectiveness of our efforts, and respond quickly. With leading thinkers, we are looking for new solutions and ways to influence better outcomes. With strong research, policy, and reporting, we're building a platform for viable environmental solutions.

### Victorian Energy Efficiency Strategy

Our key target was to be an effective partner to achieve the Victorian Energy Efficiency Targets including a 10% reduction in household emissions by 2010, and help implement parts of the Victorian Government's 2006 Sustainability Action Statement. In practical terms, this resulted in programs such as Training for Tradies (see pg 25), Right Advice at the Right Place (see pg 27); and Greener Appliances (see pg 16).

### Key partners:

Department of Sustainability and Environment VIC; Department of Primary Industries VIC; Department of Treasury and Finance VIC; Department of Premier and Cabinet VIC.

### National Framework for Energy Efficiency

Our key target was to act as an effective partner on the Ministerial Council on Energy Efficiency Working Group (E2WG), which delivers the NFEE. It resulted in completion of a stage one scoping of actions for stage two – where the goal is to realise the untapped economic potential associated with uptake of energy efficient technologies.

### Key partners:

Commonwealth Government of Australia; State and Territory Governments; Department of Sustainability and Environment VIC; Department of Primary Industries VIC.

### **Towards Zero Waste Strategy**

To meet the major waste reduction targets set out in the Sustainability in Action: Towards Zero Waste strategy, we report annually on our waste reduction and recycling programs. Latest results indicate that we are on track with targets and Victoria's municipal and commercial and industrial sectors exceeded 2004/05 recovery targets. Programs reported include:

Local Government Data Collection Report

As part of our Towards Zero Waste strategy, we collect data to analyse the performance of our bin systems, the impact of our programs to divert waste from landfill, and local government's waste diversion rates. The latest survey shows that Victorians have steadily reduced waste generation over the past five years, to less than 500kg per household in 2004/05; and that we're recycling 14% more than we did the previous year. 51% of Victorian councils provide a green organics collection service, with diversion rates up 42% in one year largely due to increased service provision. Due to delays in receiving information. 2005/06 survey results will be released later in 2007.

### Key partners:

EPA Victoria; National Packaging Covenant; local governments. Annual Survey on Recycling Industries

As part of our Towards Zero Waste strategy, we collect and analyse the performance of our recycling industry, and materials diverted from landfill. Victorians recovered a record 5,427,662 tonnes of waste in 2004/05, representing 55% of the total solid waste stream and saving about 4 million tonnes of greenhouse gases. About 89% of our recovered material is processed by local industry – with the remainder going interstate or overseas. Due to delays in receiving information, 2005/06 survey results will be released later in 2007.

### Key partners:

EPA Victoria; Australian Bureau of Statistics; Plastics and Chemicals Industry Association; Victorian reprocessing industry.

Litter strategy

We are leading the development of the new Victorian Litter Strategy to help deliver a 25% improvement in littering behaviour in Victoria. After a review of what had been done and what needed to be done, we held public consultation during March-April 2007 seeking ideas for the new strategy which will continue to focus on behaviour change, infrastructure and enforcement programs.

### Key partners:

Department of Sustainability and Environment VIC; EPA Victoria; Victorian Litter Alliance.

### Metropolitan Waste Plan

With our key partners, we are developing the Metropolitan Waste and Resource Recovery Strategic Plan to help Melbourne deliver on Towards Zero Waste commitments and identify future directions for waste and resource recovery to 2030. We have responsibility for developing the first part of the plan, which sets the framework for all solid waste management in metropolitan Melbourne. This year we focused on stakeholder consultation, with local government and industry briefings, and the development of a key issues paper. We're also keeping stakeholders up to date with the Plan's development on behalf of our partners via regular newsletters and web updates.

#### Key partners:

Metropolitan Waste Management Group; Department of Sustainability and Environment VIC; EPA Victoria.

### Distributed Generation Development Plan

We first started to assess the economic and environmental benefits of distributed generation systems and a feed-in tariff policy in November 2006. Our goals included evaluating the economic and greenhouse benefits, assessing market barriers and identifying policy options to increase distributed generation. Consultation is ongoing.

### Key partners:

Department of Primary Industries VIC; Department of Sustainability and Environment VIC; Australian Business Council for Sustainable Energy.

## Greenhouse Reduction Framework for the Water Industry

In 2006/07 we aimed to develop a greenhouse gas reduction framework for water authorities, following recognition that industry is a major user of energy resources. The framework was endorsed by the VicWater Board in October 2006. We also set out to assist at least two water authorities to conduct opportunity studies and develop action plans. We exceeded targets with 10 opportunity studies completed, and strong support from all authorities.

### Key partners:

VicWater; Victorian water authorities.

### Developing an accreditation system for sustainable products

We led a scoping study to review global product environmental labelling schemes and literature, and identify the key stakeholders in an ongoing accreditation scheme. The development of an agreed product accreditation scheme is flagged in the 2006 Sustainability Action Statement, to identify company performance in the management of lifecycle impacts and help consumers recognise sustainable products. The detailed study paves the way for wider consultation on the role and options for a viable scheme.

### Key partners:

EPA Victoria, Commonwealth Department of the Environment and Heritage; Department of Innovation; Industry and Regional Development VIC.

## Working to recognise and support business leaders

We commenced the development of a voluntary 5 Star certification program to recognise the sustainability performance of Victorian businesses. This year, we developed a roadmap to establish the program and appointed consultants to assist with the development of the program including rating criteria, stakeholder liaison and certification options.

### Leading thinking

# Backing big thinkers of the attention of the United Nations and 2.3 million Australian TV viewers

As the Secretariat of the Sustainability Fund, we are helping the Victorian Treasurer and Minister for Environment invest money wisely – with funds dedicated to Victoria's economic and social development through environmental innovation. In 2006/07 the Fund invested \$36.85 million into businesses, community groups, industry and schools to implement a total of 82 green initiatives. Victorians are now breaking new ground.

2.3 million Victorians watched reality TV show Carbon Cops Key partner: December Films.	We helped fund one of Australia's first environmental reality TV shows, with \$350,000 granted to its creators December Films. Carbon Cops aired on ABC and was watched by 2.3 million viewers in its first two episodes alone. The series followed six families as they worked to cut household emissions by 50%.
United Nations awarded efforts by Melbourne Vietnamese business woman	Funds dedicated to helping Vietnamese businesses in Melbourne's inner west improve water and energy use, resulted in business woman Kim Thien Truong receiving a United Nations World Environment Day Award. As a project manager on the Nha Dep Green Purchasing Program, Kim was recognised for her environmental education work. Other businesses are saving up to \$1000 per quarter through simple technology such as aerators and by reducing the size of pipes.
Business shopping precincts received major environmental awards for reduction in emissions <i>Key partner:</i> <i>Village Green.</i>	The Village Green Vic 1000 project supported by the Sustainability Fund received a Banksia Award for environmental education, and a Keep Australia Beautiful Sustainable Cities Award in 2006. The project works with small business in metro and regional shopping strips to reduce emissions, waste and water use.

## **Community investment**

# We've made a big investment in our community to make it easier for Victorians to change behaviour



We work with others to make our efforts count across each sector of the community. We want to make it easy for people to reduce their environmental footprint. With the support of key partners, we are helping to change the ordinary daily practices of Victorians, in their homes, at schools and in the community.

## Helping low income households to use less water and energy

With low income homes spending up to 7% of their annual income on energy bills, compared to 3% for the average household, we worked with key partners to improve home efficiencies. In 2006/07, we set out through the Energy and Water Taskforce (EWTF), to implement seven projects to retrofit 1269 homes with energy and water saving devices. Projects aim to improve affordability of energy and water use, improve comfort in the home and provide job training opportunities. We successfully implemented seven projects with our key partners - with an estimated total of \$134,000 saved off annual electricity bills, and 62 megalitres of water in addition to 954 tonnes of greenhouse emissions. Regional Victoria met or exceeded targets. However, we have extended the Mission Australia project to enable the 600 home retrofit target to be met by the East Reservoir and West Heidelberg EWTF projects.

### Key partners:

Department of Human Services VIC; Department of Victorian Communities VIC; Mission Australia; Brotherhood of St Laurence; Bendigo Access Employment; BEST Community Development; Goulburn Valley Community Health Centre; Central Highlands Water; Goulburn Valley Water; City West Water; South East Water.

## Providing Victorians rebates to increase household energy efficiency

With more than 300 retail partners across Victoria, we promoted solar hot water and energy efficient gas heaters at the point of sale. A total of 2,781 Victorians heard our message and made changes using our rebate scheme. We recorded a 21% increase in solar hot water uptake, with 628 new systems now helping to cut emissions by 1,004 tonnes per year. An 8% increase in the uptake of high efficiency gas heaters and hot water systems delivered 1,813 rebates in 2006/07 and 960 tonnes of  $CO_2$  savings annually. As administrator of the photovoltaics rebate in Victoria, we witnessed a 30% jump in uptake of the solar technology. It included 340 rebates issued and a reduction of emissions of 476 tonnes per year.

### Key partners:

Solar hot water, photovoltaic and high efficiency gas heater manufacturers and retailers; Commonwealth Government.

### Investing \$5 million into Victorian Solar in Schools programs

The Victorian Government's Solar in Schools program was launched to install photovoltaic solar panels at 500 schools over four years to save 1050 tonnes of greenhouse gas, and \$75,000 on energy and water bills. In 2006/07, Bentleigh Secondary College became the first school to benefit from the project, which also aims to deliver flow on benefits of education to school communities about green technologies.

## Moving schools towards zero waste with Waste Wise programs

We set out to increase the number of Victorian primary and secondary schools participating in Waste Wise in 2006/07. We secured 71 new schools to the program, which provides paid teacher-release professional development, curriculum resources, advisory support, and peer support. A total of 159 Victorian primary and secondary schools participated in our Waste Wise Schools program this year, as we worked hard to develop a new statewide sustainability education framework (see pg 20). We also launched the ResourceSmart School Awards to celebrate sustainability initiatives.

### Key partners:

Gould Group; CERES; regional waste management groups; local governments; environmental contractors; Department of Education VIC; Catholic Education Office; Victorian Principals Association; Firestarter.

## Investing funds to improve recycling in Victoria's public places

We worked with Highpoint Shopping Centre in Maribyrnong to model best practice in retail centres, which resulted in a 40% reduction in contamination of recyclables. We also distributed \$260,000 of funding and worked with key partners to develop best practice public recycling. Our grants largely targeted local government sites with high visitation of more than 100,000 people annually. Thirteen locations including parks, shopping precincts and sporting venues received grants.

### Key partners:

National Packaging Covenant; Queensland Environmental Protection Authority; Australian Food and Grocery Council; local governments; Major retail centres.



### Leading by example

# We recovered 95% of waste during our big move to 50 Lonsdale Street

Sustainability

We aimed to minimise waste during relocation from three premises to a single office location at 50 Lonsdale Street. We achieved a 95% recovery rate, with most redundant items able to be reused, recycled or resold.

NIN.	Waste diverted from landfill	Our target was to divert as much waste as possible from landfill as we consolidated offices in Casselden Place, Spring Street and Albert Street, in an effort to meet our agency's asset management objectives.
	1680kg of commingled items recycled	We were able to recycle 300kg of plastics, and about 1680kg of commingled items were recycled by VISY. Approximately 187kg of e-waste went to Sims E-waste, 45kg of other electronic waste was transferred to MRI Australia, and a further 30kg of metal went to Sims.
	Redundant equipment resold	All redundant desks were resold, and old computers were sold onto staff or given to PC for Kids for refurbishment or reuse. Kitchen items no longer in use were given to the Red Cross and the Salvation Army. More than 500 ring binders and folders were sent to Green Collect, CERES Community Environmental Park and Gould League.
	After our relocation, we continued to improve our own performance. Some of the ways we are achieving our goal to be a truly ResourceSmart office include: Our 12 green leaders We put key staff in place to monitor and improve our resource use, including energy, paper, travel, water, recycling and purchasing. Switching to laptops We replaced almost all desktop computers with laptops, which use about 65% less power. Energy saving technology Our lighting and temperature controls now include sensors to respond to human	activity and the amount of heat and light in the space – reducing unnecessary energy use. And we added an automated master power switch to cut all power between 7pm and 7am. We also added flow restrictors to taps and showers to reduce water use. <b>Travelling greener</b> We now offer financial incentives to staff to purchase bicycles and promote sustainable commuting. Metcards are also available to staff for work-related travel. <b>Six bin recycling system</b> We introduced a six bin waste system that included five recycling bins. And we placed Waste Wise signage at the recycling facility.

### Looking ahead

# The big picture is to become Victoria's leading agency for change, to serve to the serve of the

Our vision is for a thriving community that uses its resources wisely. And we've committed to highest standards in our own actions to lead as a role model and pave the way for change. We set ambitious targets and work to elevate sustainability in the community.

### Setting the highest environmental management standards in our own business

We have set out to achieve ISO 14001 certification for our Environmental Management System. Our target is a 30% reduction in energy consumption to 290MJ per square metre by June 2008; a 30% reduction in waste to 58.8 kg per person; and a 97% recycling rate. By June 2007, we were on track to achieve our energy goals with 298MJ/m<sup>2</sup> used on average for the year. Weekly tracking of waste from February 2007 showed we exceeded waste targets, reducing per person waste to 44.8kg. And we reached an 85% recycling rate during 2006/07, with a drop in overall paper use lowering the volume of recycling.

## Attracting and engaging a performance focused workforce

We recognise our ability to attract, engage and retain skilled employees as a key factor in delivering our results and, in 2006/07 we set out to build a strong performance focused work culture. In October 2006 we set up a dedicated people and culture function and by December we had established a forward three year strategy with a focus on attracting, developing and retaining high calibre staff. This was signed off by the Board in February 2007.

### Attracting high calibre candidates

In 2006, a complete organisational re-structure was undertaken to clearly align roles and responsibilities to our vision. And new recruitment and induction processes were put in place to support internal and external appointments.

Developing knowledge and experience

Following an analysis of our current capabilities including leadership, work in 2006/07 has focused on developing role

clarity and building self awareness. Our performance management system now includes an annual cycle of planning and review, detailed individual development plans and clear performance and behavioural expectations in the form of leadership and employee essentials. We have also provided ongoing access to relevant training and development and study programs for all our employees.

Retaining knowledge and experience

Recognising the strong link between culture and performance, during 2006/07 we undertook an organisational culture inventory, with a 95% response rate, to identify the gap between our preferred culture and our actual culture as currently experienced by employees. The results will form the basis of our 2007/08 people programs. Recognising and rewarding successful outcomes has also been a key focus.

### Managing people risks

A people and culture Risk Register was developed in 2007 including key monitoring measures for OH&S, equal opportunity, employment legislation, attraction, retention and performance management, and this is now used by the HR Committee to monitor risks. A set of monthly, guarterly and bi-annual measures is now in place to assess culture change, absenteeism, staff turnover, demographic mix and OH&S. An audit of all policies was undertaken and priorities established for their review and update. Priority has been given to developing our health and safety management system and our performance management system.

### Key partners:

Human Synergistics; Performance Architects.

## Our clear goal of 10 million tonnes of greenhouse gas abatement steers our activities to 2010.



With appliances contributing up to 30 per cent of household energy consumption, we are tackling efficiency of technologies. Fourteen major residential, commercial and industrial appliances will be added to the Minimum Energy Performance Standards program in 2007/08 – through the National Framework for Energy Efficiency.

Households powered with 100 per cent GreenPower reduce emissions by up to 70 per cent. We will drive a campaign to promote the retail sales of GreenPower. And we'll work with energy retailers to expand the current sales by a further 200

Measure: Number of GreenPower customers and amount

Measure: Number of appliances added Abatement target: 360,000 tonnes GHG

GWh to more than 450 GWh per annum.

Abatement target: 300,000 tonnes GHG

of GreenPower (GWh) purchased



Double GreenPower sales



Target commercial

resource efficiency

buildings to increase

With the commercial sector drawing up to 18 per cent of Victoria's electricity, we are driving to improve efficiency of existing buildings. Our ResourceSmart Building program will retro-fit existing commercial premises to improve energy, materials and water efficiency from one star to four star.

In line with our 2010 resource recovery target of 68 per cent for the sector, we are providing infrastructure grants

Measure: Floor area in commercial buildings retro-fitted Abatement target: 90,000 tonnes GHG

4

Expand commercial and industrial resource recovery

to help commercial and industrial businesses improve resource recovery rates. Measure: Tonnes of C&I waste recovered Abatement target: 78,000 tonnes GHG

5

Expand organic recycling in household and commercial sectors Working with local government and industry to collect and process high quantities of food waste, we will provide infrastructure grants, support innovative technologies and help develop markets for recycled organics.

Measure: Tonnes of organics recovered or reused Abatement target: 72,000 tonnes GHG Next year, across all sectors, we aim to deliver a two million tonne reduction in greenhouse pollution as part of our staged approach towards a low carbon future. A portfolio of 10 priority programs leads our response.

6 Extend ResourceSmart Business program	Extending our ResourceSmart Business program with a range of Victorian businesses. We will support business to implement carbon reduction strategies through innovation, technology upgrades and knowledge sharing. Measure: Number of ResourceSmart businesses operating in Victoria Abatement target: 60,000 tonnes GHG
Increase innovation with the Renewable Energy Support Fund	With 84.4 per cent of greenhouse emissions resulting from our use of energy, we'll continue to support the development of clean energy projects. We're backing wind, solar, wave, geothermal and biomass power, via our Renewable Energy Support Fund. Measure: Number of projects commissioned Abatement target: 40,000 tonnes GHG
<b>B</b> Expand solar hot water installations	To combat the 16 per cent of household emissions cause by hot water heating, our focus is driving the uptake of sol hot water systems in new homes to meet minimum energy efficiency requirements. Measure: Number of new homes built to 5 Star standard choosing solar hot water Abatement target: 25,000 tonnes GHG
<b>9</b> Improve municipal waste recovery	We will work with local governments to cut greenhouse pollution through increasing solid waste recovered from the municipal waste stream to 43 per cent, in line with Towards Zero Waste targets. Measure: Tonnes of waste recovered Abatement target: 3,000 tonnes GHG
<b>10</b> Retrofit 750 homes with energy and water saving devices	We will support low income homes to become more resource efficient with ResourceSmart programs run by our Energy and Water Taskforce which works to retrofit existing homes with more efficient devices and insulation. Measure: Number of homes retrofitted Abatement target: 560 tonnes

### Things we said we'd do and we didn't

# big changes in 2006/07 meant our priorities shifted and we redirected our activities

In a pivotal year for climate change we found ourselves needing to take action quickly to meet new emerging demands in the sector. As public attitudes shifted and widespread acceptance of the issues took hold, our agenda and activities were shaped to meet the new challenges. It meant some projected targets were not met.

## ResourceSmart certification program developed and 10 workshops certified

We are developing a voluntary 5 Star certification program to recognise the sustainability of Victorian businesses and encourage more action. Initial program development took longer than anticipated due to the extensive consultation required with industry stakeholders. A conceptual framework for the 5 Star certification program was completed, and its development continues.

### Four retail chains committed to going plastic bag free and 30 locations achieving plastic bag free status

In 2006, the Victorian Government announced its intention to ban the 'free' distribution of plastic bags by Victorian retailers from 1 January 2009 if plastic bag use is not phased out voluntarily by then. Our Plastic Bag Challenge has been an effective mechanism for engaging communities on plastic bags and raising the profile of the issue. Only one commitment was made this year to eliminate the use of plastic shopping bags through our Retailer Leaders program, by Collins Booksellers. Plastic Bag Challenge funding was also provided to 21 towns, shopping strips and markets to help use less plastic shopping bags in their communities. Six of 33 funded communities were successfully plastic bag free at June 2007.

Many retailers have demonstrated that they will not act without regulation and the majority of shoppers continue to use free plastic bags as long as they are available.

### Five councils committed to expanding kerbside collection service to include organics

We set out to increase the number of councils involved in kerbside collection of green waste. Kerbside organics collections commenced in three new municipalities – Cardinia, Shepparton and Whitehorse – but we need to invest greater efforts in supporting the growth of this program. In the coming year, we plan to increase efforts to increase organic recovery and achieve 72,000 tonnes of CO<sub>2</sub> abatement.

### At least 40% of target markets aware of compost products; at least 50% of those aware with a positive attitude towards products; reported increased sales by composters of at least 100,000 cubic metres more than 2005/06

We hoped to stimulate sustainable markets for recycled organic products, such as composts and mulches. It forms part of the Towards Zero Waste strategy, which aims to reduce landfill and limit emissions through reuse of existing resources. Drought conditions hampered results and we fell short of the sales target, at 30,000 cubic metres for the year, as less garden waste was generated and collected for processing. And due to unexpected program delivery delays, we've postponed market research to next year.

## Appendix one: Our performance snapshot

Focus Area	Objective	Program	Targets	2006/07 performance
nspiring action	Motivate and inspire Victorians to act and live sustainably	Consumer campaigns	<ul> <li>70% of Victorians aware that saving energy helps tackle climate change</li> <li>40% of Victorians able to recall at least one energy saving action promoted by the energy efficiency campaign</li> </ul>	<ul> <li>While the research didn't provide information to specifically measure performance against our targets, we know that:</li> <li>64% of Victorians are aware of the link between the greenhouse emissions they produce and the need to save energy</li> <li>42% of households were motivated to introduce additional energy conservation measures in their homes as a result of the campaign</li> </ul>
			A reduction in littering behaviours and littered items of 49	6 Littering levels have improved 6.25% since 2003
Building capacity for change	Increase the number of people with skills and the capacity to deliver sustainable outcomes	Sustainability in schools	New model school program developed by June 2007	Preferred model was agreed for sustainability education programs in Victorian schools
			100 new teachers trained in resource efficiency in schools	129 new teachers trained (1691 in total)
			50 new schools certified Waste Wise	71 new schools accredited (159 in total)
		Vocational education	Number of people trained in vocational education training packages	Courses are under development with pilot training completed
		Sustainable work practices	ResourceSmart certification program developed and 10 workplaces certified	Development of a conceptual framework and stakehold consultation completed
service	Ensure sustainable products, services and behaviours are	Systems and infrastructure	10 councils taking up the Best Practice Kerbside Recycling Program	12 councils participated this year
	easily accessed by Victorians		Five councils committed to expanding their kerbside collection service to include organics	Three councils participated this year
			Six permanent recovery facilities for household chemicals	Six permanent facilities available
		33 Detox Your Home collections of household chemicals	36 mobile collections (13 in metropolitan Melbourne and 23 in regional Victoria)	
		Households and small businesses	Four retail chains committed to going plastic bag free	One retail chain committed to going plastic bag free
			30 locations achieving plastic bag free status	Six locations are plastic bag free; 21 are working towards their goal
		Energy and water retrofits available to 2000 low income households	1269 households retrofitted	
		Away from home	Ten major events Waste Wise certified	11 major events Waste Wise certified
			A 20% increase in the number of Waste Wise certified events	80% increase in the number of certified Waste Wise events (207 events)
			<ul> <li>Two best practice public place recycling projects in major retail centres</li> </ul>	One major shopping centre project implemented
timulating emerging markets	Drive the uptake of sustainable	Renewable energy	Increase sales of Green Power to 185GWh	Sales of 304GWh
	technologies, products and services by eliminating barriers and stimulating markets	Organics and residual waste	At least 40% of target markets aware of compost products	Market research postponed to 2007/08
			At least 50% of those aware of compost products to have a positive attitude toward the products	
			Reported increase in sales by composters of at least 100,000 cubic metres per annum above 2005/06 levels	Sales increase of 30,000 cubic metres per annum

Focus Area	Objective	Program
Ensuring a supportive environment	Support the development of strategic approaches, policies, standards and frameworks to deliver sustainable outcomes	Product stewardship
		Innovative solutions
Proving new ways	Demonstrate and foster uptake of innovative sustainable technologies and practices	Strategic frameworks
Government leadership	Ensure the Victorian Government is a leader in sustainability	Government
		Schools, TAFEs and hospitals
Building knowledge	Build, manage and maintain knowledge resources to enhance information delivery to stakeholders	Data collection and market research
to a	Foster and establish partnerships to access and share knowledge and expertise	Skills transfer and capacity
		Leading thinkers
People in glass houses	Live and work sustainably and manage our environmental impacts according to our values	Our environmental impacts
		Our people

Targets	2006/07 performance
<ul> <li>Industry ownership of Paintback<sup>™</sup></li> </ul>	Negotiations commenced with industry on national product stewardship scheme
<ul> <li>Number of brand owners participating in Byteback<sup>™</sup></li> </ul>	Industry association and 10 brand owners committed to participate
Develop one new product stewardship partnership	Batteryback trial launched to recover household batteries
Number of renewable energy projects	\$2.35 million invested in five new renewable energy projects
Key strategies endorsed by government	Contribution to completion of Environmental Sustainability Action Statement "Our Environment Our Future" 2006; Energy Efficiency for Victoria Action Plan and Renewable Energy Action Plan
<ul> <li>Sustainability Victoria seen as an effective partner in developing state and national policy</li> </ul>	Partner in development of Victorian Energy Efficiency Strategy, Litter Strategy, Water Industry Greenhouse Reduction Framework, National Framework for Energy Efficiency, Minimum Energy Performance Standards
<ul> <li>Government EMS targets established, monitored and reported</li> </ul>	Worked closely with the Department of Sustainability and Environment to develop new policy and targets for Government operations and we developed a new sustainability monitoring and reporting program for trial
Sustainability Victoria recognised within government as a leader in delivering sustainable outcomes	Priorities established with the Department of Sustainability and Environment for a whole of government support program
• Level of investment in green products by governments	In 2005/06, per capita expenditure on green products was \$20.55, and annual average expenditure on green products was \$1.2 million
<ul> <li>Improved resource efficiency in Victorian schools, TAFEs and hospitals</li> </ul>	Worked with Department of Education and Early Childhood Development to deliver a 12.6% energy reduction in schools and TAFE Institutes; and with Department of Human Services to minimise the amount and cost of environmental waste in public hospitals
Provide public access to survey results	Two publications completed and pending release - Local
<ul> <li>Improved timeliness and usefulness of aggregated and industry data</li> </ul>	Government Data Collection Survey 2005/06 and Annual Survey of Victorian Recycling industries 2005/06
<ul> <li>Recognition of Sustainability Victoria as a key advocate in developing Victoria's capacity to create and maintain a sustainable economy and community</li> </ul>	Ongoing development and rollout of accreditation programs for schools, business and industry
<ul> <li>Effectiveness of our role in facilitating and coordinating the sharing of leading thinking</li> </ul>	We spread our sustainability message at 45 sponsored events and connected with 15 global sustainability experts throughout the year to inform activities in Victoria
<ul> <li>Recognised as an honest broker in administering government funding</li> </ul>	Independent audit confirmed that our financial position is presented fairly for the year ended 30 June 2007
Increase annual recycling rate to 97%	85% recycling rate
Reduce annual fleet fuel usage to 3.21 GJ     per employee	2.82 GJ per employee
<ul> <li>Reduce annual energy consumption to less than 290 MJ per m<sup>2</sup> of office space</li> </ul>	298MJ/m <sup>2</sup> of office space annually
Reduce annual paper usage to 6.3 reams     per employee	5.88 reams per person per year
Purchase 100% of our electricity from accredited Green Power	100% of electricity purchased from accredited Green Power
Offset 100% of our greenhouse emissions	16.5 tonnes of greenhouse pollution will be offset in 2007/08
Industry leading indicators for turnover, absenteeism     and employee satisfaction	Turnover 29%; absenteeism 34.2 hours average lost time per employee; employee satisfaction 3.5/5

### **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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## For further information visit sustainability.vic.gov.au

**big** We still have a <sup>2</sup> challenge ahead.

This year our little agency has made a big impact on climate change in Victoria.

Over the next few years we'll continue to work hard to reduce Victoria's impact on the environment and to create a sustainable future. Book one To be read in conjunction with book two, 'One little year. A lot to report'.



