

# KESAB Annual Report

# 2010/2011



**KESAB**

*environmental solutions*

# OUR MISSION



Arno Bay 'welcome wall' constructed by local community



Litter awareness campaign on trams in King William Street

## MISSION STATEMENT

*To inspire the South Australian community to restore, preserve, and improve the environment through active participation.*

## OBJECTIVES

- To inspire, influence and advocate for environmental sustainability.
- To provide support through education, innovation, engagement and research.
- To deliver effective partnerships and programs ensuring mutually beneficial environmental outcomes.
- To establish and maintain a public fund, to be called the KESAB Gift Fund, for the specific purpose of supporting the environmental objects of Keep South Australia Beautiful Inc. The Fund is established to receive all gifts of money or property for this purpose and any money received because of such gifts must be credited to its bank account. The Fund must not receive any other money or property into its account and it must comply with subdivision 30-E of the Income Tax Assessment Act 1997.

## GOVERNANCE STATEMENT

The KESAB Board is responsible for the corporate governance of the organisation. A full Statement of KESAB Corporate Governance is available on request.





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Tram side panel



KESAB waste and water education project officers at your service - Annual Awards 2010

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# FROM THE MINISTER FOR ENVIRONMENT AND CONSERVATION

Hon Paul Caica MP  
Minister for Environment and Conservation



KESAB continues to be an integral partner in meeting our State's challenge towards South Australia's Strategic Plan target to reduce waste to landfill by 25% by 2014.

KESAB's key activities – to educate and encourage participation within the community – have underpinned key State Government environmental strategies, in particular, the State's first waste strategy, South Australia's Waste Strategy 2005-2010.

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**KESAB's work delivers major benefits to Local Government, schools, State Government and importantly, encourages South Australian communities to keep our State beautiful.**

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Wipe Out Waste, a model education program launched by Zero Waste SA in 2006, is delivered by KESAB and continues to influence our young people to adopt more sustainable behaviours and to reduce the environmental impact of kindergartens through to primary and secondary schools. KESAB also assists the delivery of the Adelaide and Mount Lofty Ranges Natural Resources Management Board's NRM Education program which works with schools to build capacity in young people in a range of areas including climate change, water, biodiversity, waste, food, transport, air and purchasing.

KESAB's iconic Sustainable Communities Awards continue to inspire South Australians to take pride in their communities through action on a range

of environmental projects covering waste, water, education and innovation, biodiversity, conservation and energy.

Litter monitoring and reduction programs remain key activities of KESAB. KESAB's litter survey still provides the best continuous data set for measuring litter incidence in Australia and helps to monitor the effectiveness of recycling programs and inform litter management strategies.

KESAB's community and public place litter resources and strategies, have also assisted in raising awareness of litter and illegal dumping. An online Illegal Dumping Toolkit, developed by KESAB in collaboration with councils, Environment Protection Authority and Zero Waste SA, helps organisations and councils implement effective programs to reduce and prevent illegal dumping.

As the State Government is ready to release its second waste strategy – South Australia's Waste Strategy 2011-2015 – it is clear that the State's continued partnership with KESAB will be vital to help achieve targets in the new Strategy. A new agreement has been signed with Zero Waste SA and KESAB for three years, commencing in 2011-12, which will ensure that KESAB's activities and programs are aligned with the new Waste Strategy and the Zero Waste SA Business Plan.

I would like to thank KESAB and its members for their continuing role in helping South Australia create a more sustainable community and environment.

# REPORT FROM THE CHAIR

**Ashley Watson**  
Chair



In the 2010/2011 year, KESAB has continued to provide strong leadership and direction in both the public and private sectors. Through our programs of education and awareness, community members are made aware of the environmental issues that surround them and respond through action and change.

Community engagement has become increasingly demanding as we face the challenges of climate change, the carbon tax debate, global economic uncertainty and development of new environmental policy and regulatory measures at State and Federal levels. These highlight the importance of considered development and delivery of environmental sustainability education embracing community engagement and partnerships.

The KESAB Board has overseen a range of dynamic and diverse programs and activities during the year, achieving the high level of engagement demonstrated in the other reports in this document.

We have achieved stronger relationships and Service Level Agreements with government agencies and local government, producing value-adding outcomes that return millions of dollars and thousands of voluntary hours of community commitment to environmental sustainability.

Specifically through joint service provision with Zero Waste SA, Adelaide Mt. Lofty Ranges NRM Board, DTIE and AARD our education initiatives have reached hundreds of schools. With the State Attorney General's department we have been able to re-focus on the impact of graffiti crime and how to reduce damage to personal property. All these demonstrate the value of applying the skills within KESAB to the delivery of very tangible projects at a community level.

Increased resource recovery and reduced waste to landfill, ongoing litter reduction strategies, improved

knowledge and understanding of water quality and conservation, impacts on energy demands, and the value and use of our fragile biodiversity are all core elements of KESAB programs.

We know that the community remains keen to learn and participate, but usually on condition that change is simple and cost effective. During this reporting period the community has faced many strategic and structural challenges and it has not always been easy to maintain an appropriate level of engagement.

To address the many day-to-day issues the community faces KESAB programs are continually reviewed and updated, ensuring alignment with the Environment Protection Policy (*Waste*), Illegal Dumping Strategy, Australian Packaging Covenant, State Government and Zero Waste Strategy (2010 – 2015) and the restructuring of the Natural Resource Management sector.

I particularly thank our network of partners and sponsors. By working together we achieve great outcomes and results, reaching tens of thousands of South Australians and improving and protecting their environment.

The members of our Board, each of them volunteers chosen for their ability to bring high levels of relevant expertise to the organisation, have continued to perform in a highly creditable and professional manner. I thank them for the hours they put in to ensure their ongoing high levels of performance and scrutiny of the organisation as a whole.

KESAB staff and in particular our Executive Director, John Phillips, are also integral to the overall success of environmental education and community engagement and I thank them for their dedication and commitment to the delivery of environmental sustainability.

# REPORT FROM THE EXECUTIVE DIRECTOR

**John Phillips OAM**  
EXECUTIVE DIRECTOR



## Community and environment are the core business of KESAB.

The goals of engagement and behavioural change have not diminished for over 45 years.

Our role is to influence mums and dads, teachers and students, commerce and industry to improve understanding and awareness and to encourage all of us to reduce our impact on the environment. Nevertheless, the task becomes increasingly complex and demanding each year.

The combination of society and communities meeting workplace, family, recreational and household commitments are demanding and invariably come with increased economic cost and time demands on a relatively affluent Australian way of life.

Looking back over four decades of KESAB, I believe that South Australia demonstrates environmental leadership and community commitment when compared to other States and Territories across our vast nation.

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During the past twelve months South Australia has been recognised as the best recycling performer in the country. KESAB has played a role in achieving this important goal of increased waste diversion as we head towards a target of zero waste.

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To reach such a goal requires community participation and action. The KESAB programs, initiatives and partnerships (*with Zero Waste SA, NRM Education, DETI, Veolia, Simsmetal, Wrigley's and local government, to name just a few*) help to showcase South Australia as a can-do State that cares for the environment.

The various KESAB programs reported in the 2010 – 2011 Annual Report make interesting reading and highlight the dynamics required to engage respective sectors depending on the issues at hand.

Recycling and waste diversion, decreased energy use, litter reduction and water conservation are all facilitated by KESAB school, community and business programs delivered by keen, skilled and enthusiastic educators and project managers.

Collectively, KESAB programs and campaigns engaged an estimated 254,000 school teachers, students, community groups, businesses and individuals during the year. This equates to over 48,000 volunteer hours, estimated to contribute the equivalent of \$15 million towards environmental improvement.

As a peak NGO, the above figures show a ratio of \$10 to \$1 investment return for KESAB stakeholders and partners.

Outcomes show the following key results:

- 2% reduction in general litter \*May 2011 KESAB Litter Index
- Over 30 school and council waste audits conducted
- 20 – 30% waste reduction in schools through WOW program
- Engagement with over 400 schools (*litter, waste, recycling, water, energy efficiency*)
- Coordinating 250 Road Watch groups
- 225 category entries in Sustainable Communities (*tidy towns*) program
- \$15,000 allocated through Coca-Cola beverage container recycling grants
- Wingfield Interpretative Education Centre and outdoor area upgraded
- 13,280 tonnes of waste (95%) diverted at Adelaide Aqua DESAL plant
- Litter reduced by 33% in shopping centre car parks trial (*National Packaging Covenant and ZWSA-funded campaign*)

Environmental education and awareness will become more focused in coming years with the proposed introduction of a carbon tax and ultimately an emissions trading scheme. The challenge will be for the entire community to understand the impacts if we do not take action at the individual level and assume personal responsibility for all our actions.

Outcomes showcased by KESAB during the past 12 months tell us that by taking simple steps such as turning off lights and computers, fixing dripping taps, reducing our time behind the steering wheel (*walk to the corner store*) and adjusting the air conditioner or gas heater we can all make a difference, reduce our impact on the environment, and save money as well.

KESAB will continue to play a role by informing and educating. We are pleased that new three-year agreements have been signed with Zero Waste SA and Adelaide Mt Lofty Ranges NRM Board. We will also continue a special clean-up and recycling program on the remote APY Lands.

These outcomes show confidence by stakeholders and partners in how we go about our business and work successfully with a diverse range of sectors to contribute to creating Australia's best-performing environmental State.

KESAB could not achieve its impressive level of engagement and respond to the many other issues, including illegal dumping, roadside litter reduction, butt reduction and providing event organisers with advice and litter bins, without a broad government, business and community support base. Thank you one and all for another great year.

A special thanks to all of our staff, who are creative in a special way and are the backbone of KESAB programs and services.

The KESAB Board plays an important role behind the scenes, ensuring that policy and strategy remain focused and maintaining a watching brief on the ever-increasing governance required to oversee the diverse NGO and iconic organisation that is KESAB.



Green Team members Amy and Elisia plant natives in the front garden



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## KESAB GREEN TEAM

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Another exciting year for the KESAB Green Team; building and planting a staff veggie patch, planning a new native garden and building on the achievements of the last two years.

Over the summer a veggie garden was built in the rear carpark, using seedlings and kind donations from staff veggie gardens. The garden created much excitement as we watched the veggies grow. We had a very productive crop of lettuce and tomatoes which were shared over lunches. Another big winner was the pumpkin harvest, which resulted in a surge of pumpkin soup. The fruit trees are growing well and the planting of winter veggies is planned.

A native garden has been designed and planted in front of the KESAB office using locally sourced indigenous plants. To prepare this area, we covered the front lawn with cardboard and mulch which was kindly donated by Jeffries. Very few weeds have grown and the soil is now perfect for the new natives. The native garden theme will continue down the side of the KESAB building.

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Recently, two staff members began the TAFE Diploma of Sustainability. Their new knowledge is being put to good use to identify improvements in Green Team processes and assist with any barriers to workplace behavioural change.

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### Highlights from 2011 Green Team auditing are:

**Water** – We have reduced our consumption of water by 22 KL, down from 78 KL in 2009-2010 to 56 KL for July 2010-June 2011. It is believed that this is due to ongoing staff support for the bowl in the sink to wash dishes and the introduction of native plants that require no watering.

**Emissions** – In 2010 there was a reduction of 5,083km by KESAB staff, a saving of 1.27 tonnes of carbon dioxide which is equivalent to the amount of carbon dioxide generated by flying from Adelaide to Vietnam and back. This reduction in kilometres is in addition to the 21,631km reduction in 2009. Our target is to further reduce emissions as the old KESAB fleet is upgraded.

**Energy** – From August 2010-March 2011 KESAB saved 896 kWh, compared with the same period in the previous year. This is a saving of 0.8 tonnes of carbon dioxide, the equivalent of running an electric clothes dryer for a year, or the amount produced by a cow over its lifetime. This is a great improvement on the 0.5 tonne carbon dioxide increase observed last year.

For the next year, focus will continue on increasing the green spaces around the KESAB building, in-depth energy auditing and building whole-of-staff input into Green Team activities.





Albatross chick choked with plastic litter

## LITTER INDEX

The KESAB Litter Index is South Australia's official litter item count and volumetric tracking data base.

The KESAB methodology (*slightly abridged version*) is also used by the Keep Australia Beautiful National Association to measure litter at 980 sites across the nation.

The KESAB Litter Index counts litter at 151 sites in metropolitan and rural areas of South Australia. The average footprint of each site is 1,526m<sup>2</sup>, with a total area of 228,900m<sup>2</sup> counted four times per year.

Three noteworthy events have taken place since the beginning of this longitudinal study:

1. The range of beverage containers included in Container Deposit Legislation (*CDL*) was increased in 2003 to include flavoured milk, juices, waters etc.
2. The deposit on beverage containers was increased from 5c to 10c in 2008.
3. A ban was implemented on thin (*under 35 micron*) plastic shopping bags in May 2009.

Count sites are regularly monitored for any changing characteristics and 11 original sites have been reviewed and replaced to ensure meaningful comparisons.

Data is collected in February, May, August and November each year, and all data is available at: [www.kesab.asn.au](http://www.kesab.asn.au)

The May count period is used as the data set for comparison of performance in the Annual Report. Wave 53 (*May 2011*) has been used in this report.

A total of 13,021 litter items were counted at 151 sites in May 2011. This compares to 14,159 items counted in May 2010, a reduction of 1,138 (8%) compared to last year.

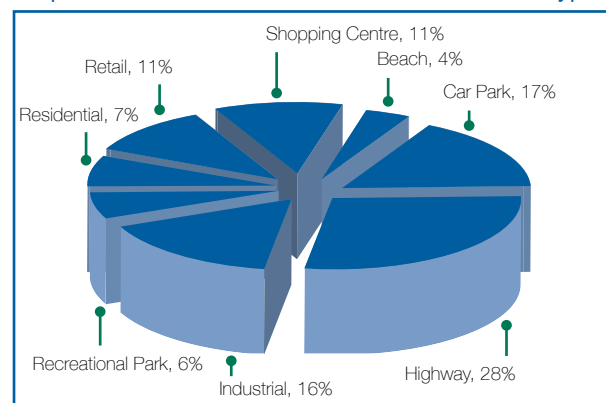
Cigarette butts are the most significant contributor, constituting 44% of all litter.

In May 2011 butts made up a greater proportion of litter (44%) than in May 2010 (42%). However, the total number of butts counted in May 2011 (5,715) was less than in May 2010 (5,972).

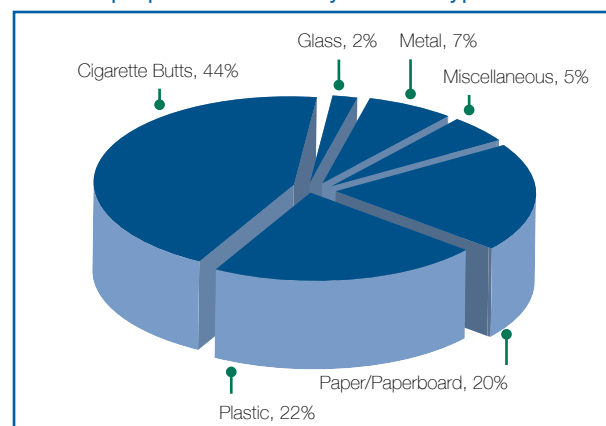
Overall we have seen a slight drop in butt litter during the count period.

Highways remain the most littered site type, with 29% of all litter counted in May 2011, compared to 31% in May 2010, a reduction of 2%.

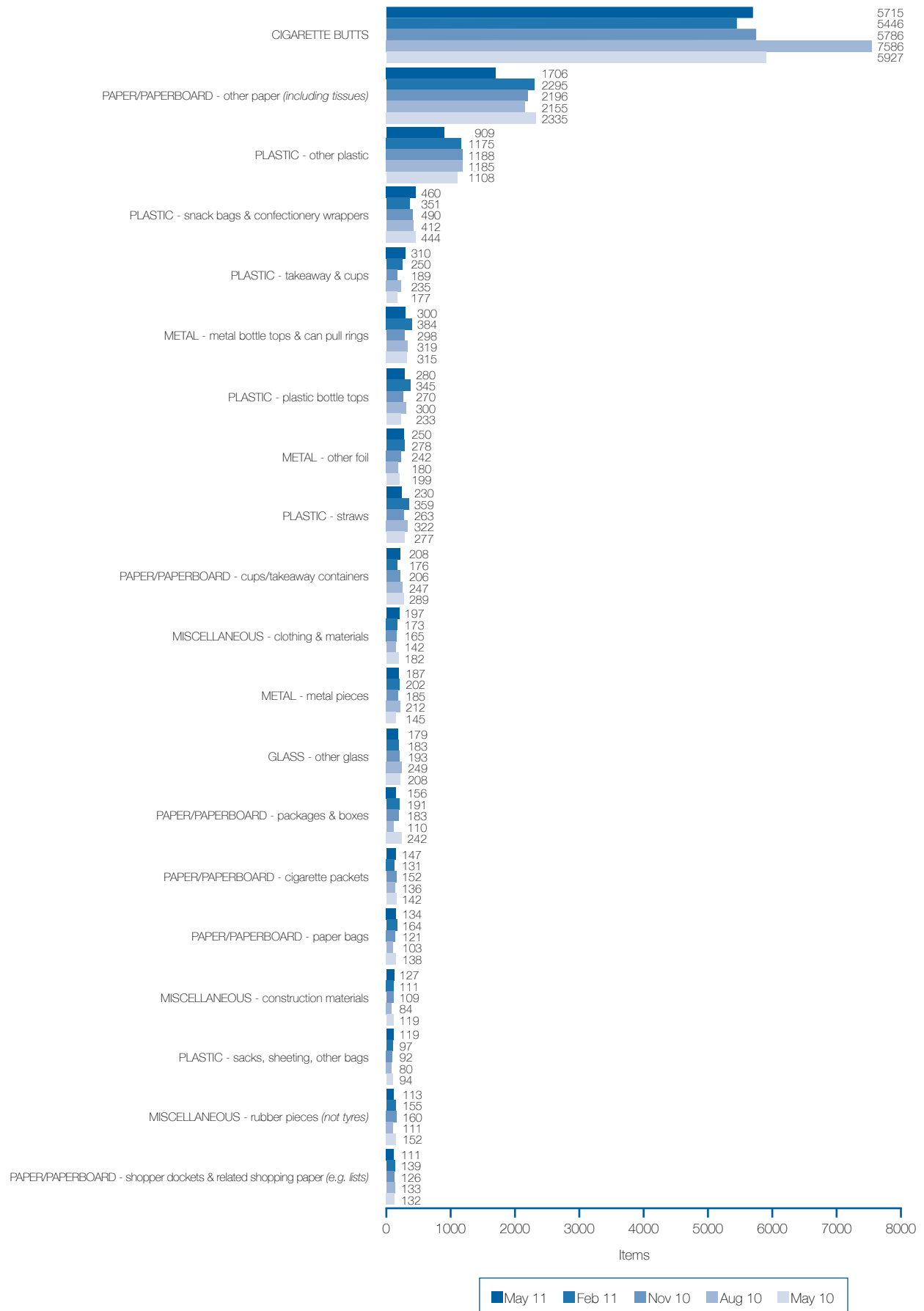
Proportion of total litter items counted within site type



Items as proportion of total by material type



Top 20 categories - highest counts





Boat sticker launched at Adelaide Boat Show focusing on marine litter pollution

## CONTAINER DEPOSIT LEGISLATION (CDL)

South Australia is the only State or Territory in Australia to legislate a beverage container deposit return system, although the Northern Territory proposes to implement a similar system in 2012.

KESAB litter data overwhelmingly shows the success of CDL in reducing beverage container litter in South Australia, with the added advantage of our State's outstanding recycling rate of CDL items.

Beverage container litter data captured in the Keep Australia Beautiful National Litter Index (2009/2010) shows the South Australian litter stream is significantly below other States. Comparisons for the same period show NSW at 7.1% and Qld 4.2% of can and glass beverage containers in the litter stream, whereas South Australia was only 2.2%. This reflects the lowest beverage container litter in Australia.

Beverage containers accounted for 2.3% of litter in May 2011, slightly up from May 2010 (1.4%). Compared to immediately prior to the 10c deposit being implemented (September 2009), CDL items made up over 3% of litter counted.

At the time of deposits being extended to a wider range of beverage containers (January 2003) containers made up over 5% of all litter.

Whilst CDL has had a huge impact on reducing highly visible litter along highways and in public areas it has also had the added benefit of engaging communities to clean up and earn money by recycling and resource recovery.

**South Australians achieve the best return rates for beverage container recycling in Australia.**

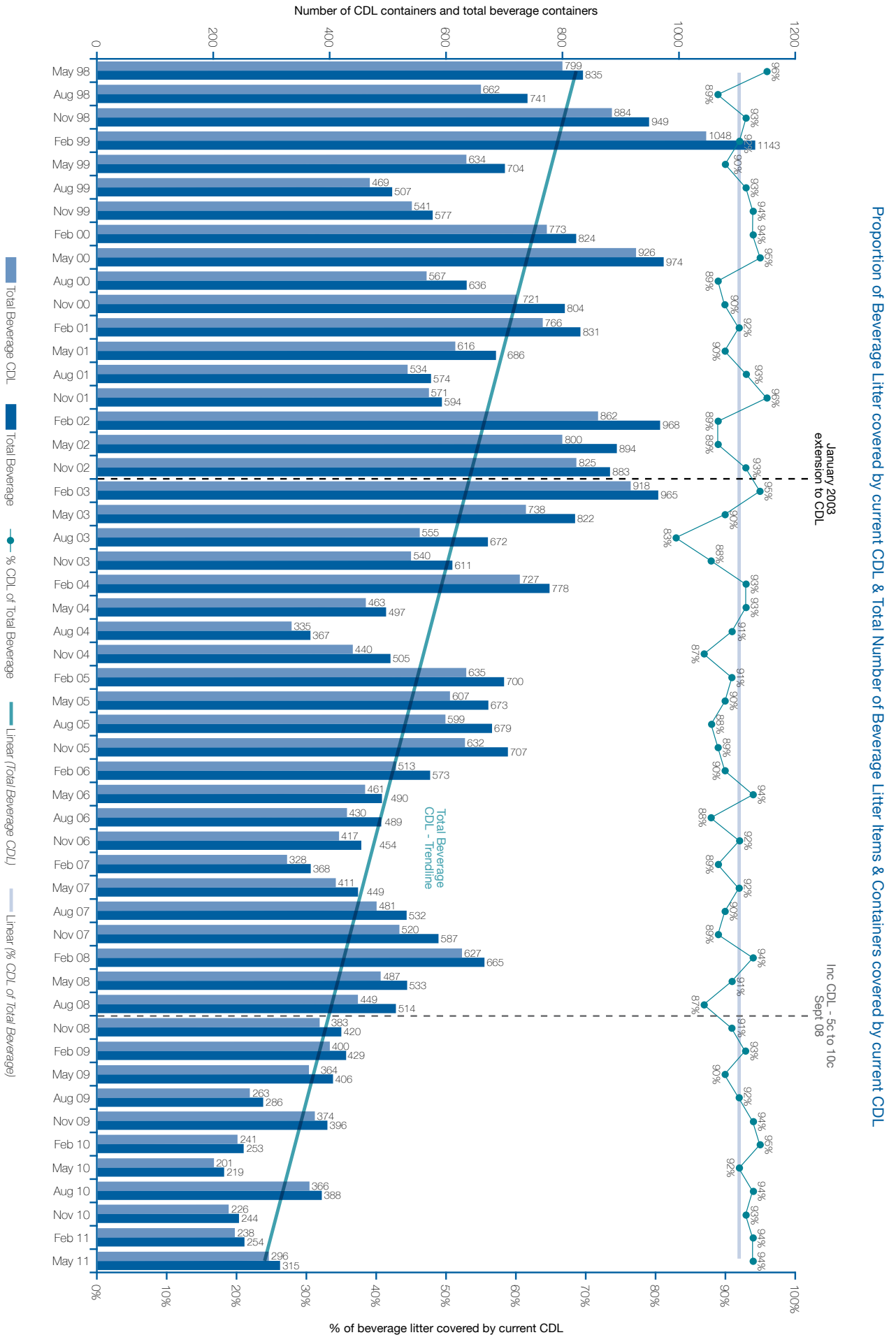
Return rates for the 2009/2010 period show an overall return rate of 80%. When broken down into categories of packaging type, data shows; glass 83%, aluminium 88%, PET 72%, HDPE 59% and LBP 55%.

South Australian recycling levels continue to increase following the introduction of the 10c deposit (*increased from 5c*), and outstrip interstate resource recovery performance in most instances by more than 20%. In a litter context, beverage containers are 75% less likely to be in the litter stream in South Australia compared to some other States.

The CDL has contributed to the collection of over 620,000,000 beverage containers in South Australia, all of which are potential litter or landfill items. This equates to 50,000 tonnes of litter diverted from the waste and litter stream. Many of these items (*aluminium, PET, LPB, HDPE, glass*) are recycled into new beverage containers or other products.

Over \$6 million per annum (2009/2010) has been returned to the community including schools, sports clubs, Scouts etc. as a result of this great effort by all South Australians.

# Container Deposit Legislation (CDL)







Shopping centre car parks and trolley bays are a major source of litter

# SHOPPING CENTRE CAR PARK LITTER PREVENTION AND AWARENESS CAMPAIGN

The KESAB Litter Index consistently shows shopping centres, retail strip street precincts and car parks in public areas to be among the top four littered sites.

KESAB applied successfully for funding from the National Packaging Covenant to implement a Car Park Litter Prevention and Awareness Campaign.

The project was a joint initiative between KESAB, the National Packaging Covenant, Zero Waste SA, the Cities of Holdfast Bay, Onkaparinga and Playford, Munno Para Shopping Centre and Noarlunga Shopping Centre. Partners providing support also included the Local Government Association and DTEI.

Three metropolitan locations were identified: Colonnades Centro Shopping Centre (*southern suburbs*), Munno Para Shopping Centre (*northern suburbs*) and Jetty Road, Glenelg shopping and café precinct (*iconic high-visitation coastal location*). The sites met important criteria including:

- geographic position
- links to major public transport hubs
- the presence of drive-through food and petrol station facilities
- a high propensity for litter to be generated
- a representative cross-section of the community
- undercover and open space shopping areas.

To gain an understanding of the community's perception of litter and litter in the environment and to develop key messages the following research was undertaken;

1. Focus group to gauge the perception of litter in South Australia (*various age groups*)
2. Litter surveys conducted on site
3. Pre-campaign litter counts
4. Focus group to test litter campaign messages (*18-24 year olds*)
5. Post campaign litter counts

A message and images developed using these research findings were erected at strategic positions in shopping bays, around shopping centre car parks, on bus shelters, on banner poles and on the sides of City to Glenelg trams.

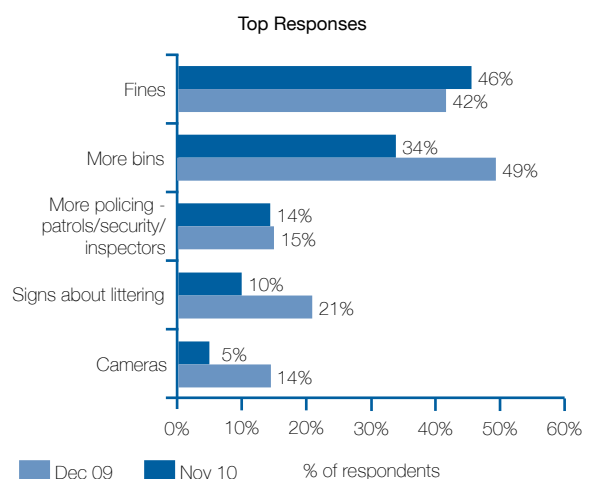
Post-campaign surveys were conducted on recall of the campaign message and it was encouraging that after only four weeks 3% of respondents (*from 750 people surveyed*) could recall the message. When prompted with a visual, 29% of respondents recalled the message.

There was also an overall reduction of 22% in the number of littered items counted across all locations, with post campaign litter counts down to 2,549 items from 3,232 in pre campaign litter counts.

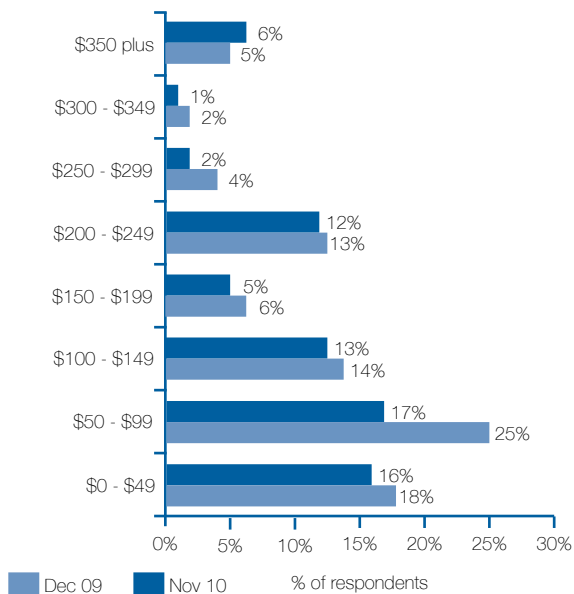
## RESEARCH

All research reports and the final report can be found on the KESAB website: [www.kesab.asn.au](http://www.kesab.asn.au) under Programs – Litter in Car Parks.

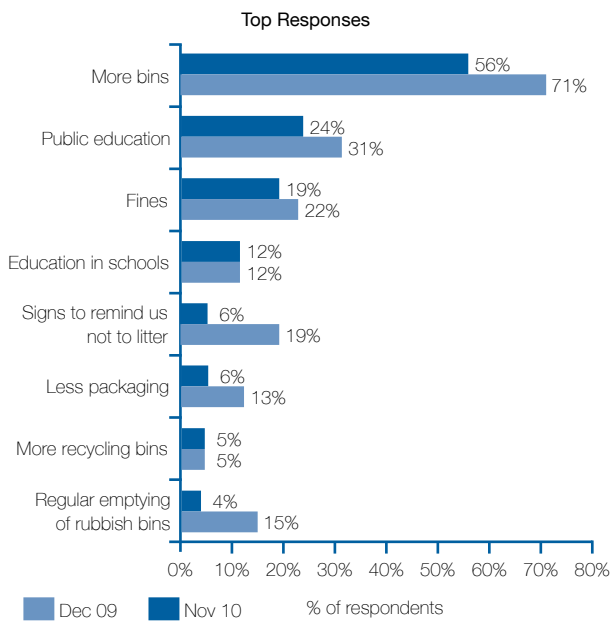
**What types of things would discourage people from littering in car parks at shopping centres during the day and night? Unprompted, multiple response.**



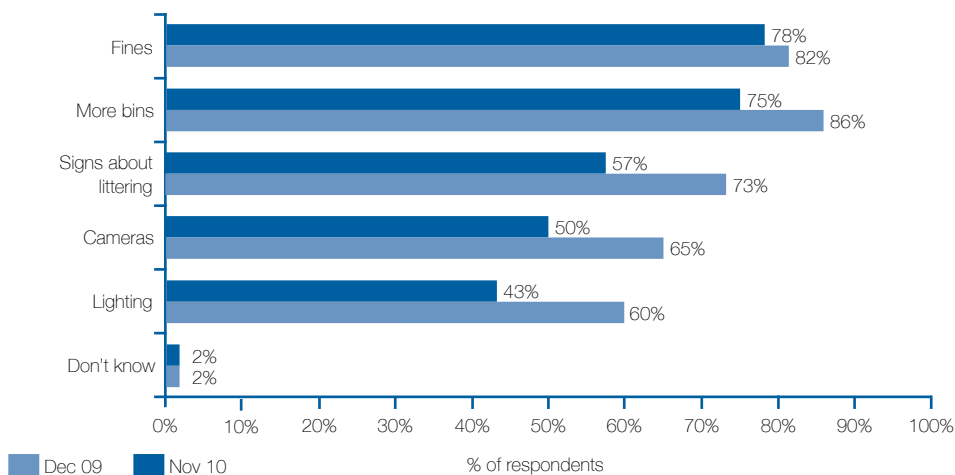
How much do you think the fine for littering is? Unprompted, single response.



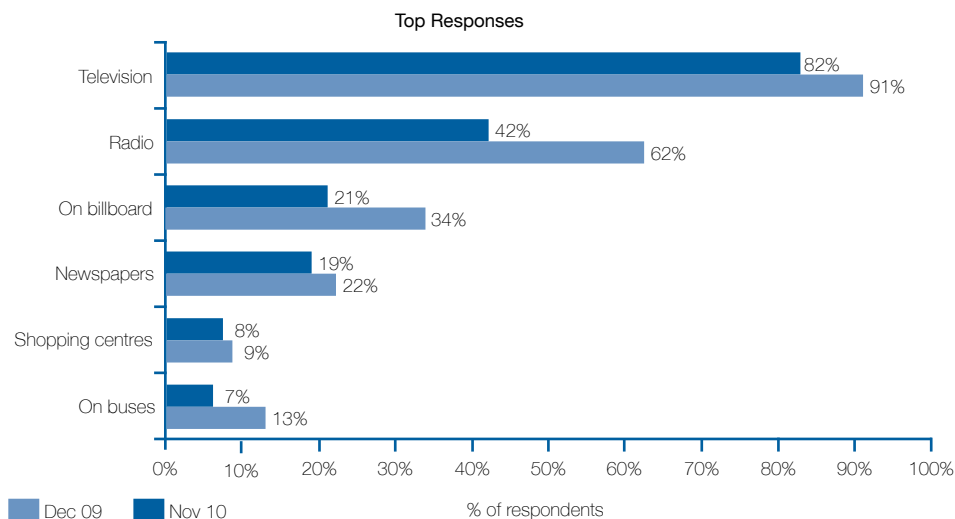
What sorts of things do you think would help improve the disposal of litter or reduce litter? Unprompted, multiple response.



From the following list what do you think would help discourage people from littering in car parks at shopping centres during the day and night? Multiple response.



Where would you expect to see or hear information about a campaign about litter? Unprompted, multiple response.





Beverage Container Recycling Community Grants logo

# COCA-COLA FOUNDATION BEVERAGE CONTAINER RECYCLING COMMUNITY GRANTS 2010

Keep Australia Beautiful National Association member States and Territories successfully implemented a community-focused beverage container recycling grants program funded by the International Coca-Cola Foundation.

KESAB *environmental solutions* promoted the grants in South Australia through local government and community groups to increase local recycling opportunities.

Interest was strong, and many applications demonstrated joint initiatives between councils and communities adding value to the projects.

KESAB approved three grants totalling over \$12,000.

## City of Mt Gambier

**Project:** To provide dedicated beverage container recycling bins at local events and in tourist areas.

**Outcomes:** Recycled an estimated 4,000 beverage containers at 10 local events attended by 53,200 people. Overall project and media valued at \$50,000, including infrastructure to be utilised at future events.

## Gawler A & H Show Society

**Project:** To implement infrastructure and signage and promote beverage container recycling and waste diversion from landfill through a recycling project at the annual Gawler A & H Show.

**Outcomes:** Over 20,000 beverage containers collected and recycled. In addition to targeted recycling, 1.5 tons of cardboard and 6 tons of straw mulch were diverted from landfill.

An estimated 20,000 people participated in the initiative, with the overall project valued at \$20,000.

## Wakefield Regional Council

**Project:** An Owen Adopt a Town Committee fundraising initiative to support the Victorian communities of Traralgon South and Callignee, which were severely affected by the 2009 bushfires.

**Outcomes:** An exceptional effort with over 33,500 beverage containers (\$3,350) collected and recycled. Wakefield Regional Council and local communities combined in a project valued at \$15,000 to assist interstate communities.

Total outcomes:

- 58,000 beverage containers collected for recycling
- over 80,000 people involved in three projects
- three projects valued at \$85,000
- total investment approximately \$20,000.



Typical 'midnight' illegal dumping site



## ILLEGAL DUMPING

Illegal dumping continues to be a major concern in South Australia, causing social, financial and environmental challenges.

KESAB environmental solutions, Zero Waste SA, the Environment Protection Authority and local governments have been working together to study the causes and effects of illegal dumping and to create new strategies to combat the problem and its impacts.

With a new Environmental Protection Policy (*Waste*) and high level of building and construction and Do It Yourself activities, reducing illegal dumping is a priority for both councils and waste industry stakeholders.



Local government signs are in high demand

A discussion paper on illegal dumping was completed and presented to the EPA embracing the following objectives:

1. To determine the extent of illegal dumping using existing data.
2. To summarise the legal framework and formulate recommendations.
3. To catalogue the current roles and responsibilities in SA of existing actions and programs.
4. To review approaches in other jurisdictions.

The Discussion Paper was presented to the EPA Executive in November 2010 and subsequently a strategy for dealing with illegal waste disposal, including dumping and landfill, was approved.

Additional funding through Treasury was allocated to the EPA to implement a 'Task Group' to strengthen enforcement and compliance and deliver a higher focus on prosecution of illegal dumping offenders.

KESAB has been working with a number of councils and the EPA to install surveillance cameras to identify illegal dumping offenders. To date, the surveillance has been successful, with two captures and both offending parties paying hefty fines.

The surveillance cameras will continue to operate in local council areas and case studies will be available on the illegal dumping toolkit [www.lga.sa.gov.au](http://www.lga.sa.gov.au) (roll your mouse over 'Policy and Projects' in the top menu and then click on 'Environment').





Litter Less workshops held at Wingfield Interpretative Centre are very successful

**WRIGLEY**  
A Subsidiary of Mars, Incorporated

## LITTER LESS

Litter Less continues to flourish, enhanced by the program's relationship and connection with WOW-Wipe Out Waste.

Litter Less workshops, in conjunction with WOW events during the course of the year, were very well supported, attracting over 90 representatives from 69 schools and other agencies delivering Education for Sustainability, such as NRM Education and AuSSI schools.

Workshops on July 7, October 6 and April 28 involved Holiday Field Trips to resource recovery and waste management sites at Wingfield, as well as information sessions and presentations on WOW and Litter Less.

Workshops in this format are now held regularly in the school holidays to provide an opportunity for representatives from rural and regional areas to attend.

The tours are a great drawcard and their popularity is evident in the total attendance of 62 representatives from 46 schools.

Other metropolitan workshops were held at Wingfield Interpretive Centre on November 17 and at Portside Christian College on April 7. A total of 18 schools were represented by 31 staff.

The program has been given an even higher profile, with the Litter Less logo and WOW-Wipe Out Waste branding now displayed on one of the KESAB vehicles.

The success of Litter Less is further demonstrated in a global context. The Wrigley Company, a funding partner of Litter Less, has engaged the Foundation for Environmental Education to implement pilot Litter Less programs in 15 countries around the world. Participating countries include the UK and New Zealand, with EU and African based education groups also working with the FEE.



Straw bale wall under construction by volunteers



## WINGFIELD INTERPRETIVE CENTRE (WIC)

The newly developed Wingfield Interpretive Centre provides a venue for education and waste and recycling tours for schools, community groups and local government through the ZWSA Recycle Right education campaign.

Interactive displays have been installed for Jeffries, Transpacific Industries, Wastecare and Adelaide Resource Recovery. Work has begun on a display and activity for VISY Recycling who have recently joined KESAB as an Education Partner.

A visit to the Wingfield Waste and Recycling Precinct begins with a site tour and opens people's eyes to the massive scale of operations and the expensive machinery required to recover and process materials from commercial, industrial and kerbside collections, and to transfer residual waste to road trains for the trip to the TPI Inkerman landfill.

Students have been 'road testing' the interactive displays that focus on reducing contamination in organics and recycling bins and diverting materials from landfill that can be recovered from commercial and industrial sites, as well as households.

Students are challenged to find out where, and how, tricky and potentially dangerous items such

as electronics and light globes are disposed of and to consider what happens to everyday household items at the end of their life.

An interactive whiteboard has become a valuable tool for developing support material and activities for use at WIC and back in the classroom, as well as allowing for PowerPoint and video presentations.

Outside the centre the barren ground has been transformed by a 24m curved straw bale wall, built as part of a workshop with SA House of Bales and The Food Forest. The garden and pergola are taking shape, with the assistance of senior students from Oceanview and St Paul's Colleges.

The use of recycled sands and aggregates from ARR and Jeffries compost and mulch products will link indoor and outdoor learning activities.

### WASTE AND RECYCLING EDUCATION

KESAB continues to deliver education for schools and community groups in Port Adelaide Enfield, Tea Tree Gully and Unley Councils. Prospect and Campbelltown Councils have also utilised our experience to provide a waste and recycling tour for their residents.



Volunteers and students from Ocean View P12 College install plant beds and pergola



**Sustainability in the home makes a difference**

Paper making has proved to be popular with preschools and schools, with many sites adopting an annual paper recycling focus. Resource recovery sessions, recycle relays and composting education have also been delivered.

Several sites have benefited by participating in the Wipe Out Waste program to obtain baseline audit data for use as a platform for whole school education to introduce source separation collection systems for 10c containers, paper and food scraps. Links between KESAB Education, WOW and NRM-delivered programs offer many options for achieving waste reduction goals.

Community groups from our partner councils have enjoyed waste and recycling presentations and several groups have taken up the offer of a tour of the Wingfield Precinct, VISY Recycling, Integrated Waste Services and E-Cycle Recovery. A tour for Wastecare member councils has also led to requests for tours for their residents.

We are fortunate to have the expertise of representatives at each site to give presentations and answer questions.

Composting workshops have been held at Ridley Grove, Kurruru Pingyarendi and Fern Avenue Community Gardens. The KESAB team enlists the assistance of volunteer gardeners who can raise funds through food, drink and plant stalls on the day and attract people to their gardens. We now have a number of expert presenters to call upon for these events.

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### Port Adelaide Enfield Council combined workshops with a 'Big Aussie Swap' with great success during National Recycling Week 2010.

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Other education for councils included a display at the Lightsview Festival for PAE Council, and shopping centre displays for Tea Tree Gully to support the roll-out of their three bin system.

Door stepping was undertaken to gauge the response to food scrap collection in the Port Adelaide Enfield Council area, and was very positive.

In April 2011, KESAB's audit team undertook an audit of 600 kerbside bins to ZWSA-specified reporting guidelines. The audit collection was designed to cover a range of demographics, with a collection truck depositing six loads a day over five days, including waste, recycling and organics collections. The audit was completed without incident and with enthusiasm, despite the nature of the materials! The information gleaned will provide valuable comparative targets for the two councils audited.





## KERBSIDE BIN AUDITS

KESAB environmental solutions have been involved in many commercial and school waste audits through the Wipe Out Waste and business partnership opportunities.

Skills and experience developed by the waste auditing team provided new opportunities to deliver specialised council kerbside bin audits for the Cities of Prospect and Port Adelaide Enfield Councils.

The process included an intensive week of auditing the three bin systems, residual waste, recycling and green organics.

The methodology was based on Zero Waste SA's Guide to Kerbside Performance Reporting. The intent of the Guide is to promote greater

standardisation of future audits, allowing councils to compare the performance of their waste and recycling management systems over time and with other councils.

The bin audit assists councils to:

- accurately measure the composition of residual waste, recyclables and green organics bins
- establish waste generation trends
- plan infrastructure and systems
- report, review and track waste resource recovery performance
- increase opportunities to divert materials for recycling from residual waste bins
- accurately measure contamination rates in recycling and green organics services
- set and monitor benchmarks and continual improvement targets for waste minimisation and recycling within their communities
- accurately assess their own performance over time and compare audit outcomes with other councils using similar methodologies.



KESAB auditors hard at work sorting waste into categories





Clean Site Toolbox meeting



## CLEAN SITE® – BUILDING A BETTER ENVIRONMENT

KESAB's **Clean Site®** program is an educational partnership working with the building and construction industry, industry associations, local government and the resource recovery industry.

Outcomes support best practice and improved health, safety and environmental performance on construction sites.

Consultation with stakeholders demonstrates the need for ongoing engagement through education to change current workplace practices and implement new standards. These complement and support state and local government legislation, the State Waste Strategy and EPA stormwater management policies ensuring a sustainable clean environment.

Program outcomes focus on reducing stormwater pollution entering waterways and coastal regions, increasing recycling and resource recovery from building and large construction sites and increasing waste diversion from landfill, all of which embrace Zero Waste SA targets.

**Considerable success has been achieved over the past 12 months including:**

- Extensive delivery of 'Environmental Toolbox' presentations at industry health and safety inductions on major construction sites providing 'on ground action' which underpins Environmental Management Systems e.g. Adelaide Desalination Project etc.

- Program resources support training and education through Master Builders SA Green Living, HIA Greensmart, Construction Industry Training Board training providers together with TAFE SA building and construction courses.
- Partnering with major construction companies to achieve extensive resource recovery and recycling rates (*over 95%*) at major construction projects, including Adelaide Desalination Project and Defence SA - Techport.
- Delivery of local government seminars focusing on regional areas e.g. Mount Barker, Riverland and Murraylands.
- Successful onsite demonstration days delivered (*in partnership with Bianco Construction Supplies*) on major housing development sites within metropolitan Adelaide, including Blake's Crossing in Playford and developments in Mount Barker.



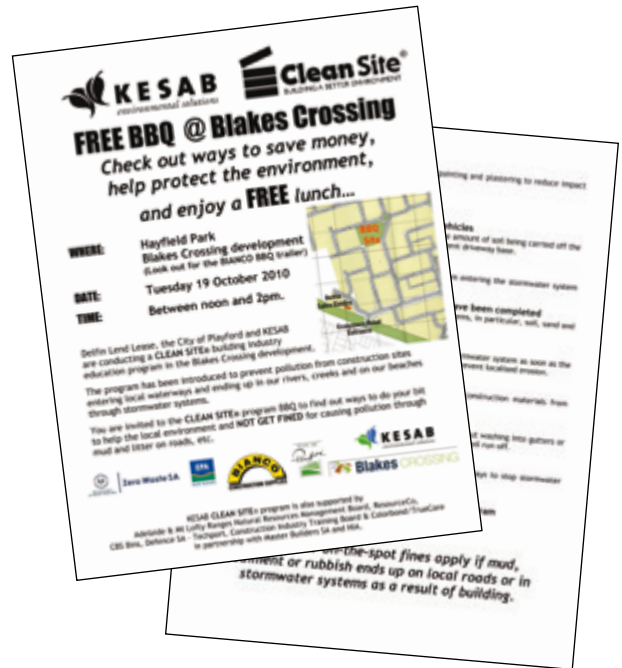
The Clean Site Environmental Toolbox

- Recognition as an important partner of major recycling and environmental initiatives e.g. state plasterboard recycling trial scheme steering committee and Master Builders SA environmental working group to assist construction companies to develop environmental management systems as a pathway to ISO14001 accreditation.
- Major focus on TAFE SA in trialling **Clean Site®** program and initiating demonstration sites to assist in delivering hands-on training opportunities to complement organisational sustainability strategies.
- **Clean Site®** program recognised as being integral in assisting major construction companies to gain construction project tenders and contracts.
- Industry awareness, engagement and participation achieved by implementing **Clean Site®** program approaches.
- Further engagement with local government to ensure industry compliance.

To ensure the effective delivery of the **Clean Site®** program, the following organisations contributed to achieving a broad range of environmental outcomes: Zero Waste SA, the EPA, Land Management Corporation, Defence SA – Techport, ResourceCo, CBS Bins, the Adelaide & Mount Lofty Ranges Natural Resource Management Board, the Construction Industry Training Board, ECO Construction & Project Management, participating Councils and in partnership with Master Builders SA, the HIA and industry training providers.

The **Clean Site®** program provides a proactive approach to improving environmental practices within the building and construction industry. It is essential that continuing education and raising awareness of environmentally sustainable approaches are integrated into general work practices.

The **Clean Site®** program is accepted at both industry and government levels to be ideally placed for ensuring industry compliance with environmental legislation in order to build a better environment and to provide a sustainable future for SA.



Invitation to Clean Site Blakes Crossing



Contractors attending Clean Site BBQ Blakes Crossing



Excessive concrete pour recycling at Desal Plant

## ADELAIDE DESALINATION PROJECT KESAB CLEAN SITE® PROGRAM

KESAB environmental solutions and SA Water formed a successful **Clean Site®** program partnership on the Adelaide Desalination Project (ADP). Partners included SA Water, jointly with contractors, Adelaide Aqua, McConnell Dowell and Built Environs Joint Venture and ETSA Utilities.

The **Clean Site®** program partnership aims at preventing pollution onsite by educating construction contractors and seeks to achieve environmental best practice management. Outcomes complement key environmental commitments made through the project's Environmental Impact Statement and assist with encouraging positive onsite environmental actions.

Key initiatives include:

- Continuous improvement embracing waste management with a focus on maximising recycling and resource recovery initiatives.
- Monthly reporting and promotion of the project's recycling performance.
- **Clean Site®** Environmental Toolbox presentations to construction contractors.
- Placement of environmental signs/banners encouraging positive action.

The program is supported by the SA Water ADP team senior management and contract partners, and has proved to be an effective method of raising environmental performance onsite.

To date, contractors have recycled almost 15,000 tonnes of waste for the project, with a recycling rate of over 95% which is an outstanding effort. All project partners are also effectively recycling bottles and cans, with proceeds donated to local community groups.

SA Water and its ADP partners are pleased to be part of the KESAB **Clean Site®** program and are looking forward to continuing to deliver mutually rewarding outcomes for the environment as well as staff and contractors onsite.



Presenting certificate to Desal Project Manager Duncan Whitfield



**State Winner Waikerie 2010**  
Hon Paul Caica MP, Margaret Thiel (*Waikerie*),  
KESAB Sustainable Communities Programs Manager  
Alex Hammett and Executive Director John Phillips



## SUSTAINABLE COMMUNITIES, SUSTAINABLE CITIES, CLEAN BEACHES

Sustainable Communities finished its transition from Tidy Towns in 2010-2011.

Whilst the program has undergone some changes, community action remains at its heart and the quality and quantity of participants highlighted this. Over 50 community groups, schools, local governments and businesses entered the program in over 230 categories.

Entrants from all over South Australia demonstrated their communities' commitment to sustainability with many different actions, from picking up litter on a morning walk to capturing rainwater to supply entire schools.

The program culminated with an awards ceremony in November 2010 at which over 50 awards were presented to winning participants. The table below shows the entry breakdown by category. The Riverland town of Waikerie was the overall winner, and went on to represent South Australia at the National Awards in Beechworth, Vic. Here they won the Energy Innovation category, and were highly commended in the Young Legends and Environmental Innovation and Protection categories.

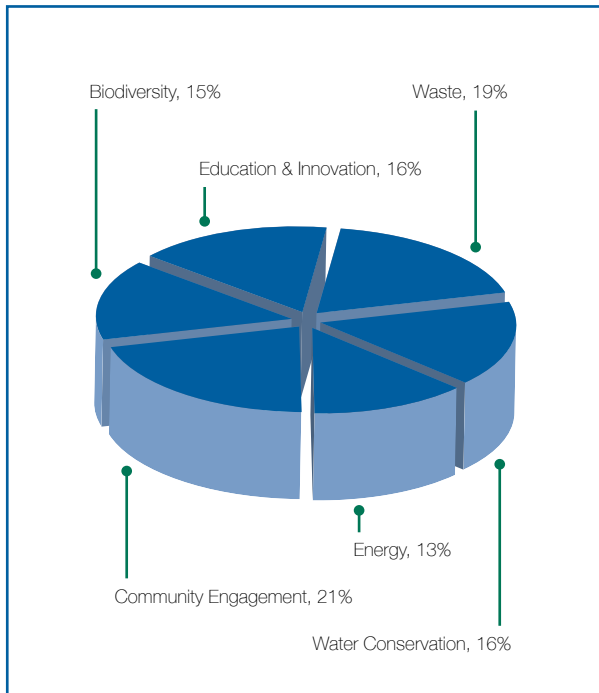


Alan Jones (*Goolwa*) receives Certificate of Merit from Marcia Hewitt (*ZWSA*)

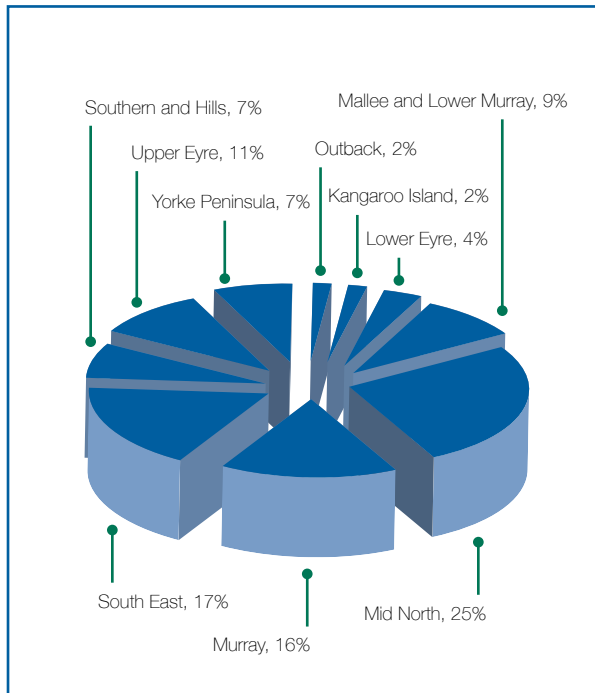
Region	Entrants	Community Engagement	Waste	Water	Energy	Biodiversity	Education & Innovation	Commendation Nomination
Eyre Peninsula	3	2	1	0	0	1	1	0
Flinders	8	6	4	5	4	5	4	2
Mallee	2	1	1	1	1	2	2	1
Mid North	9	9	6	6	7	5	5	2
Murray	9	6	8	7	6	7	7	1
Outback	1	1	0	0	0	0	0	0
South East	6	5	5	3	1	3	3	1
Southern & Ranges	10	9	8	8	7	9	7	1
Yorke Peninsula	4	4	4	4	4	4	4	4
<b>Totals</b>	<b>52</b>	<b>43</b>	<b>37</b>	<b>34</b>	<b>30</b>	<b>36</b>	<b>33</b>	<b>12</b>



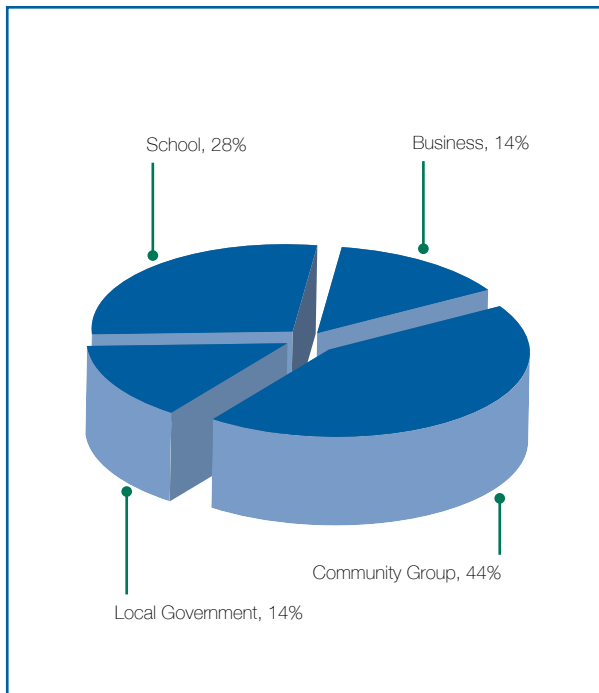
Entries by category



Entries by region



Entries by type



Note: There were collaborative entries this year, with a trend for community groups to enter on behalf of other organisations (e.g. schools, businesses and councils). For the purpose of this graph the collaborative entries have been classified as community groups.

Thank you to our program partners.



## SUSTAINABLE CITIES

Sustainable Cities was launched in 2010 and high-quality entries were received from metropolitan local governments on behalf of their communities. The categories in the Cities program are water conservation, waste management, energy, biodiversity, community engagement and education and innovation.

The City of Onkaparinga took out the title in the Cities awards, and represented South Australia at the National awards in Sydney in November 2010, where it won the Water Conservation category.

The Australian Sustainable Cities Awards are delivered by Keep Australia Beautiful and sponsored by the Packaging Stewardship Forum, Grundfos Pumps, Sinclair Knight Merz and Toys 'R' Us.



**State Winner Sustainable Cities 2010**  
Hon Paul Caica MP, City of Onkaparinga Mayor Lorraine Rosenberg and Chief Executive Officer Jeff Tate, and KESAB Board Member Phil Barry

## CLEAN BEACHES

Port Vincent was nominated to represent South Australia in the 2010 National Clean Beaches Awards, after demonstrating its community members' strong commitment to the protection and enhancement of the coastal environment that forms the hub of their town.

Port Vincent won two awards; Resource Recovery and Waste Management and Energy Innovation at the national event, held at the City of Onkaparinga and South Port Surf Lifesaving Club. They were also highly commended in four other categories; Young Legends, Water Conservation, Environmental Innovation and Protection and the Dame Phyllis Frost Litter Prevention Award.

The Australian Clean Beaches Awards are sponsored by the Do the Right Thing Program of the Packaging Stewardship Forum, Replas Recycled Plastic Products, Steve Parish Aussie Beaches Calendar 2011 and the Keep Australia Beautiful Green Ribbon Program.



Pt Vincent School Clean Beach judging



Pt Vincent community Clean Beach dune conservation and litter reduction



Regional Winners with Minister for the  
Environment Hon Paul Caica MP

## SUSTAINABLE COMMUNITIES (*tidy towns*) AWARD WINNERS 2010

<b>Overall Winner</b>	Waikerie
<b>Small</b>	Stansbury
<b>Medium</b>	Waikerie
<b>Large</b>	Mount Gambier

### REGIONAL AWARDS

<b>Mallee &amp; Lower Murray</b>	Keith
<b>Southern &amp; Hills</b>	Goolwa
<b>Mid North</b>	Blyth
<b>Yorke Peninsula</b>	Stansbury
<b>South East</b>	Mount Gambier
<b>Upper Eyre</b>	Whyalla
<b>Lower Eyre</b>	Cowell
<b>Kangaroo Island</b>	Parndana
<b>Murray</b>	Waikerie
<b>Outback</b>	Andamooka

### CATEGORY AWARDS

#### Water Conservation

##### Water Infrastructure

District Council of Loxton Waikerie (*Loxton*)

##### Water Conservation Education

Stansbury

##### Changes in Water Use

District Council of the Copper Coast

#### Waste

##### Waste Infrastructure (*Litter, Recycling & Resource Recovery*)

City of Mount Gambier

##### Waste Education

City of Whyalla

##### Integration

Goolwa

##### Commendation

Mundulla on the Move

Kingston District Council

#### Energy

##### Energy Efficiency Initiatives

Loxton High School

##### Energy & Climate Change Education

Jervois Primary School

##### Biodiversity Education

Kingston Community School

Naracoorte South Primary School

##### Conservation Activities - Flora

Mannum Plains Roadwatch

##### Conservation Activities - Fauna

Dragons Rest Habitat Garden

## Recyclers

**Recyclers Award**      Streaky Bay Recyclers  
                                 Renmark Recycling Services

## Education & Innovation

**School Initiatives**      Miltaburra Area School  
                                 Waikerie Primary School  
                                 Port Vincent Primary School

**Community Initiatives**  
Alternative Port Working Party  
Rural City of Murray Bridge

**Commendation**  
HETA Incorporated - Whyalla

## Community Engagement

**Appearance**          Mundulla  
                                 Naracoorte

**Local Government Partnerships**  
District Council of Yorke Peninsula

**Commerce and Industry**  
Port Vincent Caravan Park and Seaside Cabins  
Banrock Station Wine and Wetland Centre

**Community Involvement (*Heritage*)**  
Brinkworth

**Community Involvement (*Engagement*)**  
Kingston District Council  
Forestry SA - Mount Gambier Community Garden  
Committee

## COMMENDATION AWARDS

**Best Vegetable Garden**  
Jervois Primary School

**Student Concepts**  
Blanchetown Primary School  
Birdwood Primary School

## INDIVIDUAL AWARDS

Max Sly                      Kingston SE  
Molly Werchiwski      Naracoorte South Primary School  
Gail Rostig                City of Whyalla  
Chantelle Hislop        Riverland Regional Health Services  
Alan Jones                Goolwa Tidy Towns

## SUSTAINABLE CITIES

**Water**  
City of Onkaparinga

**Waste**  
City of Unley

**Community Engagement**  
City of Onkaparinga

**Biodiversity**  
City of Tea Tree Gully

**Energy**  
City of Campbelltown

**Education and Innovation**  
City of Onkaparinga

**Overall Winner**  
City of Onkaparinga

## CLEAN BEACHES

**Overall Winner**  
Port Vincent

## KEEP AUSTRALIA BEAUTIFUL NATIONAL AWARDS

**2010 KAB Sustainable Communities**  
Waikerie  
Winner Energy Innovation Award

**2010 KAB Sustainable Cities**  
City of Onkaparinga  
Winner Water Conservation Award

**2010 KAB Clean Beaches**  
Port Vincent  
Winner Energy Innovation Award  
Winner Resource Recovery & Waste Management





Unley High School WOW sign



## WIPE OUT WASTE

WOW staff, Jo, Kathy and Margaret, welcomed Michael De Boo to the team after Simone returned to her council waste education role.

It has been a busy year as always, with a number of WOW workshops including three holiday field trips, two national conferences, (*geography teachers and home economics*), SA conferences for Studies of Society and Environment (SOSE) and ECHO (*Early Childhood*) and presenting to more than 300 students in the Botanic Gardens on World Environment Day.

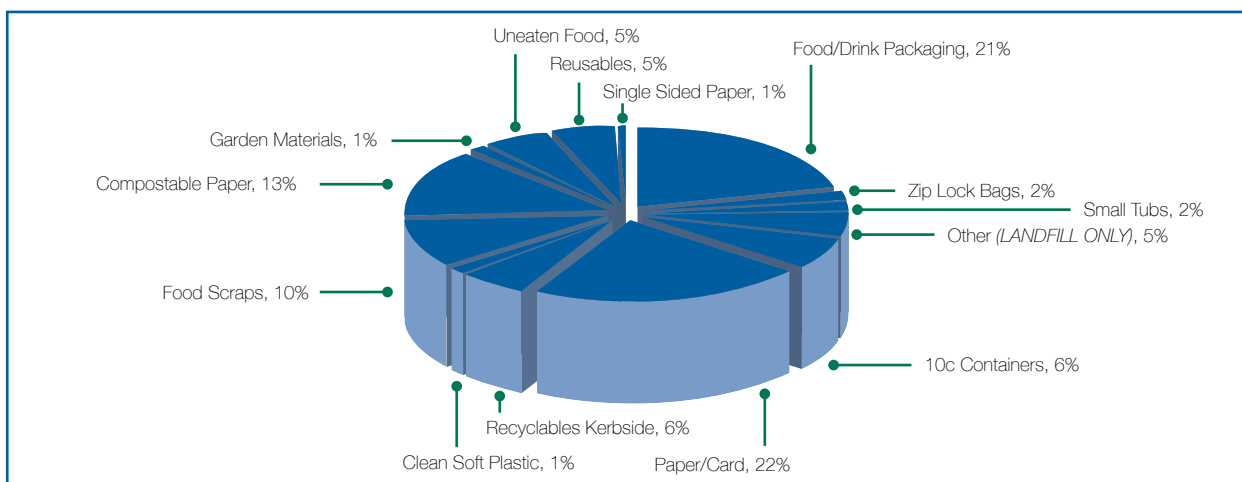
Speaking at the SA Waste Conference in October was a highlight as it provided a valuable opportunity to keep industry and other groups informed about what is happening in SA schools. A six-day visit to WA to meet with WA Waste Wise schools was very informative.

Two workshops focusing on preschool sites were very well attended and extremely valuable. Bin materials audits (*see Average volume graph*) show that food and drink packaging are one of the greatest volumes of material brought to school, so if sustainable family purchasing patterns can be encouraged at preschool, this behaviour can also have significant long-term impact on waste generation and cost savings for education sites.

To coincide with the new WOW branding, corflute school signs have been printed and distributed to sites across the State that have been involved in WOW activities. These are proudly displayed at these sites and have been presented at several whole school assemblies, including Blackfriars, Allenby Gardens Primary School and Star of the Sea, an effective way for the whole school community to be involved. (*See Unley High School WOW sign photograph above.*)

Christies Beach High School launched their Sustainability Centre this year and included an interactive WOW Wall based on the images at the Statewide Recycling Education Centre. This centre

Total Average School Materials in bins to landfill by volume n = 95





Less to landfill bin next to the 'usual' bin, Kingston on Murray Primary School

is visited by other local schools and community groups, so the WOW message is being spread in the south.

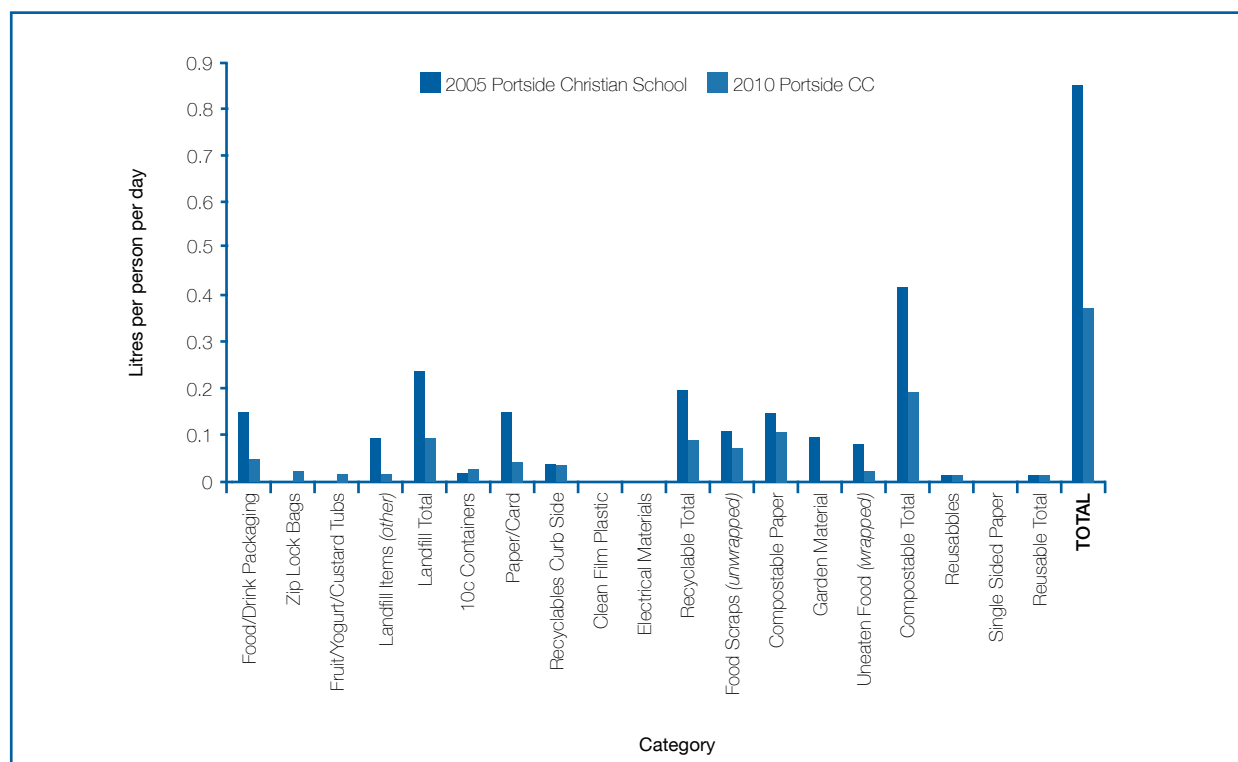
WOW has also been developing new resources and activities. In Term 3, 2010, the 'Less to Landfill' Challenge was trialled in the Riverland and South East regions. This involved classes at schools or

preschools trying to reduce their daily waste material to landfill to a 300ml mini bin. The challenge was enthusiastically embraced, with some classes at Loxton Primary school having ZERO material to landfill on several days! This was achieved by classes developing their own simple source separation systems to sort materials in up to six ways for reuse, recycling or composting. Reducing food and drink packaging was a strong emphasis in this challenge.

In 2011, the 'Less to Landfill' Challenge is again being run in Term 3, in collaboration with participating 'Eat Well Be Active' sites and OPAL (*Obesity Prevention and Lifestyle Program*) sites across SA, to reinforce the close links between good food choices and reduced packaging in school lunchboxes.

Another WOW resource currently being trialled is a DIY audit kit for preschools and schools with fewer than 100 students. Edithburgh Primary School conducted their own audit, by having 12 boxes for students to separate waste materials into over a few days, after which they collected the data. Realising that smaller sites can easily 'pre-sort' materials into audit categories, we began developing some pictorial and graphic aids to assist with the

Portside Christian College bin audit results 2005 – 2010





WOW wall board at Christies Beach High School

separation process. This will make auditing much more accessible to preschools and smaller country sites, with resources available online later in 2011.

Since WOW audits began, several sites have now been audited twice, and the results indicate that involvement with WOW does reduce materials being sent to landfill from schools. Of the 10 sites audited twice, all have reduced the volume of materials being sent to landfill. Eight sites reduced the volume by between 40-70%, while two sites had a 20-30% reduction. Jervois Primary School has had the smallest amount of material in recent years, with only 0.13L of material to landfill generated daily by each person in the school. This is well below the average figure (over 95 sites) of 0.81L/person/day. Well done Jervois PS!

Our strong ties with the Australian Sustainable Schools Initiative (AuSSI) and Natural Resource Management (NRM) Education continue. There are currently 175 sites involved with both WOW and AuSSI, and many of these, 61 so far, have conducted Bin Materials audits with the assistance of WOW staff. Twenty-nine audits were conducted in the last year, with great demand from AuSSI sites working on the 'Waste' part of their School Environmental Management Plans (SEMP). This year we have conducted preschool audits for the first time, with the results being surprisingly similar to schools in terms of the food and drink packaging being brought from home.

WOW works with NRM Education staff from across the State, but particularly the Adelaide Mount Lofty Ranges (AMLR) region, often working collaboratively with schools and in planning workshops and presenting at youth forums in the region. WOW

was invited to share in the NRM education space at the Royal Adelaide Show, which was a great opportunity for show goers to see a range of Education for Sustainability options.

Zero Waste SA (ZWSA) is currently reviewing the School and Community grants program. We worked with Meg and Erin at ZWSA to survey and visit a number of the schools that have received grants. Schools are always grateful for funding to support the actions and behaviours suggested by programs such as WOW and the grants have allowed many sites to purchase infrastructure to encourage resource recovery behaviours.

An opportunity to visit WA Waste Wise schools and program staff provided insight into their successful grants program as well as the opportunity to share resources and discuss common links between the SA and WA programs, and bring back some great ideas!

Finally, to round off the year, WOW was invited to the World Environment Day for schools in the Adelaide Botanic Gardens. It was the first time that we have been involved with this event and was a great way to reach more than 300 students in a few short hours! We look forward to being involved in the future and helping to make it a Zero Waste event for all the schools that attend.



Star of the Sea School source separation bins



Christies Beach High School and Southern Vocational College

*Education For All*

23 March 2011

John D Phillips OAM  
Executive Director  
KESAB *environmental solutions*  
214 Grange Road  
FLINDERS PARK SA 5025

Dear John

I would like to express our thanks for the support that your organisation has given to our school.

Your staff has provided extremely valuable help to us in implementing sustainable initiatives.

It is not easy getting programs in place in secondary schools and the success that we are achieving has been a team effort between the school and organisations such as KESAB.

We have finally been successful in establishing an environmental cluster of schools in our area and the number of students visiting our school, in addition to our own, has increased.

Our yet-to-be-opened Environmental Learning Centre has opened up new opportunities to 'spread the word' and your generous donation of the interactive WOW wall is already proving popular with the students and teachers.

I hope that you will be able to attend the official opening of the ELC. This is likely to be early next term.

Again, thanks for your help and I look forward to catching up soon.

Yours sincerely

Paul Wilson  
Principal

David Greenshields  
Humanities Coordinator

Morton Road, CHRISTIE DOWNS SA 5164

Email: [cbhs@cbhs.sa.edu.au](mailto:cbhs@cbhs.sa.edu.au)

Ph: (08) 8329 9777 Fax: (08) 8329 9778

Thank you letter values Wipe Out Waste through school interaction





250 Road Watch volunteer groups work throughout South Australia



**Government of South Australia**

Department for Transport,  
Energy and Infrastructure

## ROAD WATCH

Roadside litter remains an important part of KESAB's ongoing litter focus. Highways account for about a third of all litter discarded in South Australia (*KESAB Litter Index May 2011*).

Road Watch groups 'adopt' a section of road and then carry out various activities such as litter collection and planting and maintenance of native vegetation. Groups send in reports on their activities, providing an important snapshot of road litter and related issues across the State.

### ROAD WATCH GROUPS

Around 200 groups participate in the program, with a significant number of these extending their commitment well past the two year minimum requirement. Some groups have remained in the program since its inception 15 years ago.

A key component in retaining groups has been the installation of recognition signs that draw attention to the roadside volunteer effort. DTEI has provided invaluable support with installation of signs on major arterial roadways and as a consequence Road Watch enjoys a high program recall rate in regional communities.

Some 80% of our groups are country based, with the majority being community groups (60%), followed by schools (20%), individuals (15%) and businesses (5%).

Throughout the year, groups have continued to keep us challenged with ideas and suggestions for improved litter outcomes on our roads and highways, such as trailer-mounted Variable Message Signs (VMS). VMS units are typically used on roads and highways to advise of speed restrictions, changed road conditions etc. In our program context a VMS unit that displays road litter messages 24/7, could provide welcome support

for many of our volunteer groups. Further evaluation and underpinning funding will be explored in the coming financial year.

### ROADSIDE LITTER - IMPLICATIONS

In terms of litter volumes, residents and visitors to South Australia generally rate our roadsides quite favourably in comparison to other States, and the part our volunteers play in this has even been mentioned in letters to motoring magazines interstate.

Roads are an important 'shop window' for visitors to our State. Good road litter outcomes are good for business and the tourist experience, as well as being important in reducing the impacts of litter on our fragile environment.

### IAAHA CONFERENCE CONNECT 2010

Road Watch joined the International Adopt-A-Highway Association (IAAHA) community in an online webinar held in December 2010. This international link-up takes place once a year to facilitate an exchange of ideas and information between various international Adopt A Highway organisations.

Over 35 representatives took part in the exchange, with Road Watch featuring as the program 'Down under' and as one of this year's eight main presenters.

### PARTNERSHIP SUPPORT

DTEI has again played an essential part in the program for this year - underpinning the support we are able to give to our volunteers and the outcomes they deliver to our State's roads and highways.

A Zero Waste SA grant helped the Tulka Progress Association to expand recycling in the local community



## ZERO WASTE SA

Zero Waste SA, established by the Zero Waste SA Act 2004, promotes waste management practices that, as far as possible, eliminate waste to landfill in South Australia, and advance the development of resource recovery.

This year, Zero Waste SA celebrates eight years of leadership in changing the way the South Australian community deals with, and thinks about, waste. Awareness, engagement, and, above all, partnerships are the hallmarks of Zero Waste SA's approach.

We are the only Australian jurisdiction to show a steady reduction in the amount of waste sent to landfill. Since 2002 we have reduced the amount by more than 17%, or about 200,000 tonnes. Our recycling rate has rapidly improved and is among the world's best. We are diverting more than 70% of all waste generated.

Our success is due to a whole-of-community effort – from school children to householders, business, industry and, more recently, the tertiary sector. The 'habit' of recycling is an entrenched behaviour for many South Australians through the iconic Container Deposit Legislation and Zero Waste SA's funding to assist councils to introduce easy-to-use, best practice kerbside recycling services for some 685,000 households throughout South Australia.

Our Recycle Right household education program has also provided opportunities for Zero Waste SA and KESAB environmental solutions to collaborate through popular workshops for council staff and elected members and the development of a teaching resource for teachers of English as a second language.

Zero Waste SA's partnership with KESAB environmental solutions remains an important element of the way we do business, particularly as we tackle the challenges in South Australia's new waste strategy for 2011-2015.

Zero Waste SA's priorities include:

- Supporting councils that are keen to drive reductions in waste to landfill by introducing kerbside food waste collections, as well as encouraging home composting.
- Assisting councils to run household electronic waste collections as South Australia moves towards phased bans of some waste types from entering landfill, and in advance of a national approach towards e-waste recycling.
- Helping businesses and local and state governments to understand, develop and implement cost-saving and resource-efficient measures that will reduce waste through the flagship Resource Efficiency Assistance program.
- Continuing efforts to encourage desirable household recycling behaviour through the Recycle Right educational program, which includes resources for councils and schools.



Fulham North Primary Students working in their new school food garden (photo: Event Imaging)



## NRM EDUCATION

NRM (*Natural Resource Management*) Education is proud to be hosted at KESAB and is the flagship environmental education program of the Adelaide and Mount Lofty Ranges Natural Resources Management (AMLR NRM) Board.

NRM Education supports schools to become more environmentally sustainable through the delivery of quality professional development, the roll-out of successful youth environment forums, assisting schools with on-ground projects, encouraging student exploration of local environments and provision of quality resources.

A teacher survey conducted at the end of 2010 revealed a high level of satisfaction among respondents with the support services provided by NRM Education.

Our work to encourage environmental sustainability in schools is guided by the South Australian Sustainable Schools Initiative (AuSSI-SA) model. NRM Education is the lead program for implementing this model in schools in the Adelaide region.

NRM Education also delivers 'Engaging with Nature' which is a whole-of-environment biodiversity monitoring and taking action program undertaken by schools at a local site encompassing both water quality monitoring and weed control activities previously carried out under the Waterwatch and Weed Warriors brands.

### SUPPORTING SUSTAINABILITY IN SCHOOLS

The AuSSI-SA model encourages schools to embed sustainability across all their areas of operation including curriculum, procurement, decision making and community links. The ultimate goal is to develop

a school culture of sustainability. Schools show their commitment to this process by registering as an AuSSI-SA school.

To better meet the needs of schools, the AuSSI-SA model continues to evolve, with significant input from NRM Education staff in partnership with staff from the Department of Education and Children's Services (DECS).

Over the last 12 months NRM Education staff have directly assisted 116 AuSSI-SA registered schools and 50 non AuSSI-SA registered schools.

Schools are reporting the support offered by NRM Education through the AuSSI-SA model to be very beneficial, with outcomes such as:

- Clear processes for exploring sustainability as a whole school focus.
- Developing and implementing goals for reduced resource use, bringing associated financial savings.
- A School Environmental Management Plan (SEMP) developed with support from the majority of the school, which provides a clear vision and focus for the activities of the school community and in turn increases school access to grant applications.
- Professional development for staff which encourages stronger support and builds skills to increase staff and student engagement in sustainability issues at a site.
- Access to expert advice and the experience of other schools that have implemented similar sustainability initiatives.
- Strategies for ensuring sustainability issues are being incorporated across the school curriculum as required by the new Australian Curriculum.

Youth Environment Forums continue to be an important tool for supporting student groups in schools to carry out sustainability projects. In 2010, four environment forums (*Holdfast, Adelaide City,*



*Le Fevre Peninsula and Northern Hills*) with 146 students from 23 schools (including *Ungarra PS from the Eyre Peninsula*) worked on sustainability projects in their schools and local communities.

In 2011, four forums are once again up and running, with 108 students from 18 schools working on sustainability projects.

A further avenue for supporting student groups to undertake sustainability projects is the role of the Youth Environment Council. NRM Education and DECS are partners in delivering this initiative to 52 students from 40 schools across South Australia. Student representatives come together to develop skills, share ideas and plan projects to implement in their schools.

Teacher professional development (PD) remains a strong priority. Topics covered over the year include mentoring youth voice, school food gardens, worm farming, developing sustainability units of work and curriculum, school environmental management planning and auditing and exploring sustainability topics. Another valued PD event has been after-school sharing, where teachers visit a school site to hear about and view sustainability initiatives. Participants have reported that these events provide valuable ideas and advice for implementing projects in their own schools. In all, 39 PD events were delivered to 772 teachers and student teachers.

The NRM Education loan resource library at KESAB continues to grow, with a further \$2,500 being spent on resources relating to sustainability topics such as food gardens, youth action, resource recovery, energy, biodiversity and water.

One hundred and three teachers, educators and students from 79 schools and organisations, borrowed 497 items from our resource and equipment library, including DVDs, books, teacher resource folders, posters, identification charts and resource packs.

The NRM Education EDNA mail out list continues to grow, with an additional 192 people joining in the last 12 months, bringing the total to 1,342 school and service provider contacts that receive regular updates about teacher training, education sessions, grants, resources and other school support opportunities. This distribution list is highly valued by other sustainability education providers, such as council sustainability officers, Wipe Out Waste, the



**Glenn Hart (Richmond PS) hones his bird identification skills at Lochiel Park Wetlands (PD session conducted by NRM Education)**

Stephanie Alexander Kitchen Garden Foundation and the Urban Biodiversity Unit, that regularly promote events through our list.

Education sessions for students will no longer be offered from 2011, due to the increased interest and demand for supporting sustainability projects in schools. However, in 2010 we were still able to deliver 26 sessions to 641 students at 16 schools.

Supporting schools to celebrate their achievements is an important element of our program. In 2010, NRM Education ran celebration events as part of the four Youth Environment Forum Clusters we coordinated. We attended end-of-year assemblies to hand out certificates of achievement to five schools. Also, we nominated Woodville High School and Rostrevor College for environment awards from their respective local councils (*City of Charles Sturt and City of Campbelltown*), which they went on to win.

## PARTNERSHIPS

Our partnership with DECS involves the roll-out of the AuSSI model and Youth Environment Council which are integral components of our program. In our work with DECS we co-develop resources (*AuSSI delivery approach, indicators project, SEMP template, YEC templates and website*), organise and manage events and teacher training, and cross-promote resources and services.

In 2011, a consultant was funded by DECS to work with NRM Education staff to deliver a six-month Focus School project. This was a project aimed at rapidly progressing selected schools through the AuSSI-SA model through provision of additional resources. Nine schools were involved with the NRM Education team at KESAB out of a total of 40 from across the State.



We also appreciate our strong working relationships with service provider organisations such as Wipe Out Waste (*A Zero Waste SA program delivered by KESAB*), Urban Biodiversity Unit (*DEH*), Spotless, Energy SA, SA Water, the Stephanie Alexander Kitchen Garden Foundation, the Department for Environment and Natural Resources (*DENR*) and municipal councils. We often refer schools to the resources and services available from these organisations.

The NRM Education team based at KESAB is an integral part of the wider NRM Education team hosted at five other sites across the Adelaide and Mount Lofty Ranges (*AMLR*) region to deliver the NRM Education program. We work with NRM Education staff from other sites on activities such as teacher training, communications, coordinating the Northern Hills Youth Forum, developing the AuSSI-SA model, developing and implementing the 'Engaging with Nature' program and strategic planning.

In recent months the Catholic Education Office (*CEO*) has begun rolling out the Catholic Church's suggested approach for schools to explore sustainability, named 'On Holy Ground'. We are working closely with the CEO to ensure that 'On Holy Ground' and the services provided by NRM Education are complementary.

We provided interactive displays, presentations and/or activities for the following organisations: Operation Spider (*SA Museum*), World Environment Day and National Water Week (*Adelaide Botanic Gardens*), Schools Tree Day at Patawalonga Creek (*Friends of Pat Creek and Adelaide Airport Inc.*), NRM Education classroom display at Royal Adelaide Showgrounds, Breakout Creek Launch (*Adelaide and Mount Lofty Ranges NRM Board*), Lobethal Science Teacher Expo (*DECS*), presentation about 'Engaging with Nature' to the South Australian Science Teachers Association and frog talks to four community groups.

## ENGAGING WITH NATURE

In 2011, NRM Education launched the 'Engaging with Nature' program. 'Engaging with Nature' is a whole-of-environment biodiversity monitoring program based on observational data collection undertaken by a school, a class, or a group of students at a local site. Data collected is shared between participating schools to build a



Nick Dinan (*Urban Biodiversity Unit*) and Tanya Lesneuck (*Campbelltown City Council*) hunt for water-dwelling invertebrates at our 'Engaging with Nature' professional development session at Lochiel Park, Tuesday 15 March

bigger picture of their site, catchment or region. Ongoing monitoring by schools will build greater understanding and ownership of local environments.

The monitoring is connected to an essential 'taking action' component that is a response to the environmental indicators. Towards the end of the year, sharing events at key regional monitoring sites will showcase student learning to other schools and local communities.

The 'Engaging with Nature' program includes activities previously badged under Waterwatch and Weed Warriors, as well as newly developed resources including Terrestrial Birds, Terrestrial Habitat, Butterflies, and Taking Action for Biodiversity. A series of interactive Google maps have also been developed to present engaging activities in a fun and interesting way.

It is anticipated that 49 schools and community groups will participate across the Adelaide and Mount Lofty Ranges NRM Board region in 2011.

The NRM Education team at KESAB has played a significant role in developing resources for this program, including teacher packs and interactive Google maps for a number of the activities.

Gioia Small, Regional Manager Sustainability at Treasury Wine Estates with a new Waste Management Toolkit developed with the support of Zero Waste SA



## RESOURCE EFFICIENCY ASSISTANCE PROGRAM

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Zero Waste SA has been successful in helping industry to identify new outlets for recycling and reduce the amount of waste sent to landfill.

Organisations participating in the Resource Efficiency Assistance Program are reaping many benefits, from creating resource efficiencies and helping to lower operational costs, to engaging staff in 'greening' activities and enabling their industry sector to share best environmental practices.

The program provides organisations with a single point of contact and a range of support tools, as well as training, mentoring and financial support for resource efficiency audits.



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More than 100 organisations are involved in different aspects of the REAP program, with a focus on the manufacturing, retail, hospitality, mixed small to medium enterprises, government, health and community services sectors.

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Case studies documenting the outstanding achievements in environmental performance by a range of public and private sector organisations can be found on the Zero Waste SA website at [www.zerowaste.sa.gov.au](http://www.zerowaste.sa.gov.au)



Ernabella School students at work collecting cans and bottles

## APY LANDS – ANANGU PITJANTJATJARA YANKUNYTJATJARA

KESAB and the communities in the remote APY Lands have undertaken a number of clean-up events and environmental activities during the year.

Key objectives for KESAB were:

- to implement community clean ups and beverage container collection
- to coordinate a container deposit system and back loading program
- to engage school communities through the Wipe Out Waste program
- to work with stakeholders to encourage clean communities through the PALYA (*Tidy Towns*) program.

The planners and managers of these events could not have achieved such successful outcomes without the assistance of a number of community based groups and a very positive response throughout the school network.

Support groups included Bungala, Regional Anangu Services (RAS), AARD, ZWSA, ROC, FaCHSIA, Community Schools, students and local communities.

Clean ups were conducted in Kalka, Pipalyatjajara, Amata, Ernabella, Indulkana and Mimili. KESAB also promoted the benefits of a clean community through the TAFE Anangu Work Expo, joining with groups including Oz Minerals, SAPOL, Wesley United, Musgrave Minerals, PY Media and the Red Cross.

Clean-up events resulted in over 20 bales of beverage containers being collected and returned to Marla for recycling. All money raised (*estimated to be \$3,000*) was returned to schools for equipment and resources, which in turn encouraged the communities to improve recycling rates.

Car bodies were removed from the lands through a Zero Waste SA APY Lands joint project and new litter, waste and recycling bins were installed in several communities as part of waste trials. Outcomes of the trials and recommendations are included in the report 'Regional Waste Management Priorities & Implementation Plan' which is currently under consideration.

The 2010 winner of the PALYA Tidy Towns award was Ernabella.

The Best Clean Up award was presented to Mimili and the community was very excited and proud to erect the new sign for everyone to see.

Schools also participated in a very successful Environmental Art Awards program resulting in a diverse range of creativity demonstrated by participating students.

Changing culture and increasing participation by communities in clean ups and recycling is making a difference on the APY Lands, even though the process is challenging and requires strong focus and determination to achieve measurable change.

Pt Vincent South Australian KESAB  
Clean Beaches Winner 2010



## ACKNOWLEDGEMENTS

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### EXECUTIVE COMMITTEE

Chair	Ashley Watson	Piper Alderman Lawyers
Vice Chair	Greg Panigas	SITA Environmental Solutions
Treasurer	Courtney Morcombe	Ernst & Young
Executive Member	Phil Barry	Wakefield Regional Council

### BOARD

Brendon Corby	Master Builders Association (SA)
Edward Nixon	Private Member
Alex Kennedy	Private Member
Toby Terlet	Veolia Environmental Services
John Dangerfield	City of Tea Tree Gully

### APPOINTMENTS

Vaughan Levitzke	Minister's Representative
Gerald Welden	Accounts and Financial Management

### STAFF

John Phillips OAM	Executive Director
Louise Stewart	Office Manager and Butt Bin Sales
Alex Hammett	Sustainable Communities Programs Manager
Matt Cattanach	NRM Education - Central, Coordinator
Amy Blaylock	NRM Education - Central, Education Officer
Steven Walker	NRM Education - Central, Education Officer
Elisia Brook	NRM Education - Central, Education Officer
Jo Hendrixx	Wipe Out Waste Project Co-Ordinator
Margaret Steuart	Waste Education Officer
Michael De Boo	Waste Education Officer
Kathy Scarborough	Waste Education Officer
Tony Jones	Road Watch Program Manager
Jackie Martin	Casual office support
Dick Olesinski	Clean Site Program Consultant
Grace Barila	Business Development and Special Projects Consultant



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City of Port Adelaide Enfield  
City of Prospect  
City of Salisbury  
City of Tea Tree Gully  
City of Unley  
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That's NOT Garbage  
The Advertiser  
Veolia Environmental Services  
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Wirra Wirra Vineyards  
Wrigley, A Subsidiary of Mars, Incorporated  
Zero Waste SA

# AUDIT STATEMENT

KEEP SOUTH AUSTRALIA BEAUTIFUL INC  
ABN 93 227 182 519

## STATEMENT BY MEMBERS OF THE BOARD

In the opinion of the members of the Board the Financial Report as set out on pages 3 to 14:-

- (a) Presents a true and fair view of the financial position of Keep South Australia Beautiful Inc as at 30 June 2011 and its performance for the year ended on that date, in accordance with Australian Accounting Standards including Australian Accounting Interpretations of the Australian Accounting Standards Board.
- (b) At the date of this Statement there are reasonable grounds to believe that the Association will be able to pay its debts as and when they fall due,
- (c) During the year ended 30th June 2011, no
  - (i) officer of the Association,
  - (ii) firm of which the officer is a member, or
  - (iii) body corporate in which the officer has a substantial financial interest, has received or become entitled to receive a benefit as a result of a contract between the officer, firm or body corporate and the Association, other than as disclosed in Note 16.
- (d) During the year ended 30th June 2011, no officer of the Association received directly or indirectly from the Association any payment or other benefit of a pecuniary value other than members of the Board who are also employees of the Association received salaries and related benefits in accordance with their terms of employment, other than as disclosed in Note 16.

This statement is made in accordance with a resolution of the Board and is signed for and on behalf of the Board by:



Watson A  
Chair



Morcombe C  
Treasurer

Signed at Adelaide this 18th day of August 2011

KESAB 2010 – 2011 Financial Report and Statements of Financial Position are available on request from KESAB Inc.

# SPONSORS/PARTNERS



CITY OF  
Port Adelaide Enfield



Government of South Australia  
Department for Transport,  
Energy and Infrastructure



Recover Recycle Reuse





The new 'Bazza the Bunyip' with Peter Scott (EPA) and Dick Olesinski (KESAB) at the Adelaide Boat Show 2011



*environmental  
solutions*

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Beautiful Inc.

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