

WASTE AUTHORITY

ANNUAL REPORT

2011/2012



Waste Authority



Hon Bill Marmion MLA
Minister for Environment



In accordance with section 63 of the *Financial Administration Act 2006*, we submit the Waste Authority Annual Report for the period 1 July 2011 to 30 June 2012, for presentation to Parliament.

The report has been prepared in accordance with the provisions of the *Financial Management Act 2006*.

A handwritten signature in black ink, appearing to read 'Marcus Geisler'.

Marcus Geisler
Chairman

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The report conforms with State Government requirements for accessibility and ease in downloading and can be viewed in HTML and PDF formats. The latter can be downloaded from our website, www.zerowaste.wa.gov.au.

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Waste Authority Annual Report 2011/2012

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Chairman's Report

The past year has been momentous for the Waste Authority with the release in March of the State's first waste strategy in over 20 years – the Western Australian Waste Strategy: *Creating the Right Environment*.

The release, which was the culmination of considerable effort and input from a large number of interested community members and stakeholders, has a strong focus on moving Western Australia towards best practice in waste management.

A draft Business Plan, setting out how the Strategy will be implemented, was also prepared.

Another very significant highlight for the year was to see the adoption of revised Main Roads specifications for the use of construction and demolition (C&D) waste in road base, creating a potential market for more than one million tonnes of recycled C&D waste. This is an achievement that I am certain will reap considerable rewards. I would like to pay tribute to Marcus Geisler for his leadership on this project.

Towards the end of the financial year, road base projects were suspended pending the development of guidelines for processes to be followed by the C&D recycling industry to ensure the risk of asbestos is properly managed.

We also began the critical task of working closely with our colleagues in the WA Planning Commission to ensure that waste management is a key consideration for planners and that sites for waste infrastructure, buffers and transport routes are identified in key government planning documents. Authority member Neil Foley was the driver of this major achievement.

Jennifer Bloom has brought a valued regional focus to the Authority and is playing an important role in another landmark project initiated during this year which will investigate long-term solutions to effectively manage the waste from industry construction and development and considerable population growth in the Pilbara and Shire of Broome.

The year has also seen us maintain an ongoing commitment to investing in a range of programs to deal with difficult wastes. These include the Household Hazardous Waste program; an e-waste diversion program—the envy of other States—ahead of the rollout of a national product stewardship scheme, and the introduction of an expansive Regional Funding Program to support groups of local governments across Western

Australia to implement Strategic Waste Management Plans.



In addition, we commenced a journey of investigation into the potential support for a new generation of waste to energy proposals that may offer real solutions to intractable waste issues. The Authority, together with the Environmental Protection Authority, is keen to establish the environmental and health impacts of a range of technologies to ensure that proposals for WA offer the benefits to the Western Australian community that are available elsewhere in the world and ensure there are no adverse impacts.

The 2011/12 year also culminated with an awareness raising press campaign encouraging improved recycling of newspapers, aluminium and steel cans, plastics and construction and demolition waste.

Newspapers which are members of the Publishers National Environment Bureau (PNEB) provided the substantial amount of free advertising space as their commitment to increasing newspaper recycling. I thank the PNEB, *The West Australian*, *The Sunday Times* and Fairfax Rural Press for their valuable support.

I thank all members of the Waste Authority for the expertise and dedication they brought to their roles. With my term as Chairman coming to an end on 11 July 2012, I wish the new Chairman, Marcus Geisler, the Authority and Office of the Waste Authority every success in taking Strategy implementation to its next stage.

I particularly welcome the appointment of Dr Anne-Marie Bremner to the Authority for the recycling and resource efficiency perspective she will bring.

I also acknowledge the exceptional efforts of Linda Thoresen and staff at the Office of the Waste Authority, and Bernard Ryan, Manager Waste Management Branch of the Department of Environment and Conservation and his staff.

Peter Fitzpatrick
Chairman



Overview of the Agency

Executive Summary

- Release of the *Western Australian Waste Strategy: Creating the Right Environment*
- Prepared a draft Business Plan 2012-2015
- The adoption of revised Main Roads specifications for the use of Construction and Demolition waste in road base, which has created a potential market for more than one million tonnes of recycled C&D waste. [Towards the end of the financial year, road base projects were suspended pending the development of guidelines for processes to be followed by the C&D recycling industry to ensure the risk of asbestos is properly managed.]
- Collection of nearly 250 tonnes of electronic waste through the Western Australian Transitional E-Waste Program. (The State Government is widely recognised as having the best e-waste collection system in Australia)
- The second five year Household Hazardous Waste program commenced and 258 tonnes was removed from the waste stream in 2011/12
- A new domain and website was launched with improved access, feedback and information management tools.

Operational Structure

The Waste Authority is a State Government statutory body established under the *Waste Avoidance and Resource Recovery Act 2007*.

Its primary roles include developing a waste strategy for Western Australia, providing strategic and policy advice to the State Government, implementing policies, plans and programs consistent with the Waste Strategy, and applying funding from the Waste Avoidance and Resource Recovery Account to strategic initiatives.

It does this by working closely with the community, government and industry, seeking understanding of their operating contexts and issues and providing information, advice and clear policies for reducing the amount of waste delivered to landfill.

In this leadership role it advocates a collaborative approach to encourage open and frank dialogue with local government, regional councils, peak bodies, the waste management sector and the general public to derive economic and

environmental benefits from sound resource recovery practices.

It also works with these organisations to ensure that the community understands the considerable benefits derived by the State from avoiding the generation of waste and recovering resources from the waste that has been produced.

The Waste Authority is funded from income from the landfill levy. Administrative support and management of funded programs is provided by the Department of Environment and Conservation (DEC) through a service agreement. The DEC also coordinates project specific activities on behalf of the Authority as required.

Enabling Legislation

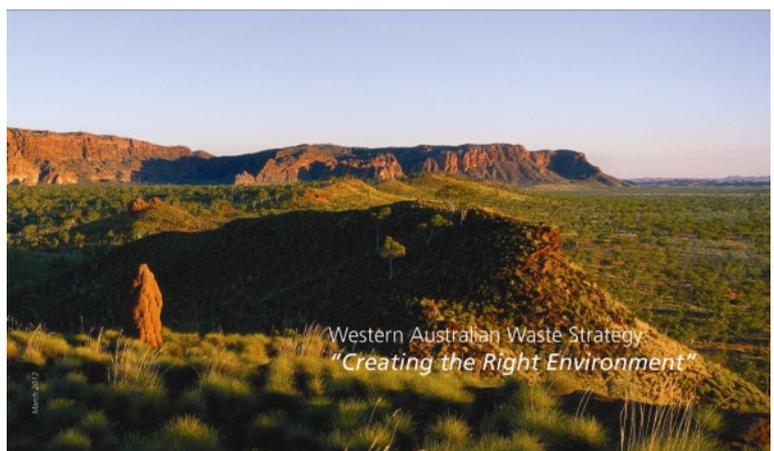
Assent was given to the *Waste Avoidance and Resource Recovery Act 2007* (WARR Act) on 21 December 2007. The Act establishes the Waste Authority and provides for waste avoidance and resource recovery and waste services by local government as well as making provision for levies on waste.

The *Waste Avoidance and Resource Recovery Levy Act 2007* (WARR Levy Act) was also assented to on 21 December 2007. It is an Act to impose a levy in respect of certain waste.

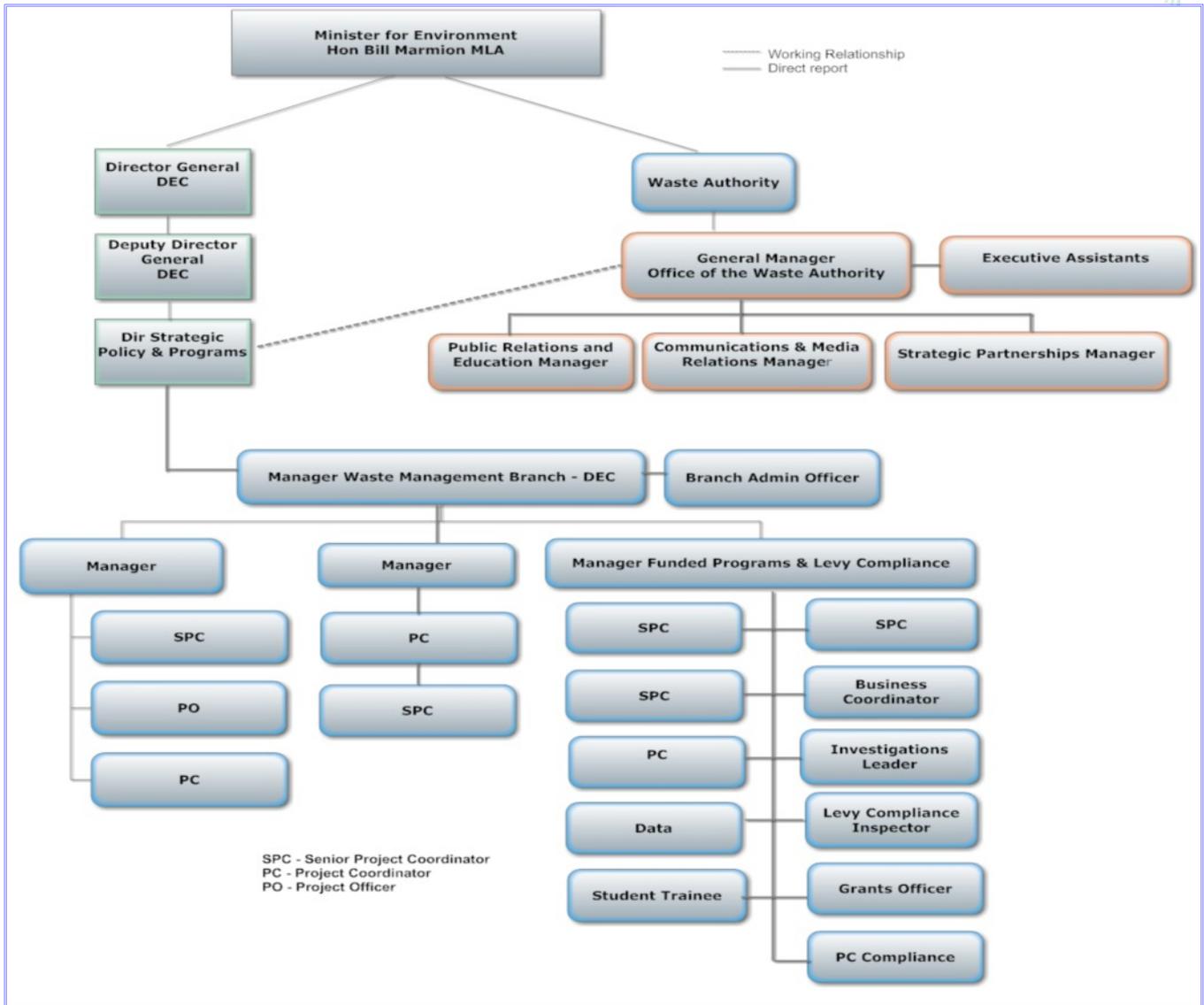
The Minister has discretionary powers in the allocation of funds.

Responsible Minister

The Waste Authority reports to Hon Bill Marmion MLA, Minister for Environment, who exercises authority under the WARR Act.



Purnululu National Park - featured on the cover of the Waste Strategy



The Waste Authority

Waste Authority members were appointed for a 12 month term by the Governor on the recommendation of the Minister for Environment, Hon Bill Marmion MLA.

Authority Profiles

Peter Fitzpatrick - Peter Fitzpatrick is widely respected and recognised for outstanding contributions made during his professional life at the helm of two peak bodies as the Chief Executive Officer for the legal profession and the motor industry.

Prior to this Peter had a distinguished 20 year military career, including service with the elite Special Air Service Regiment as an Australian Army Officer, taking early retirement with the rank of Lieutenant Colonel.

Peter is Managing Director of Crusader Management Group, and also holds a number of directorships and voluntary positions.

Marcus Geisler - currently an Executive General Manager for Coates Hire, has long corporate experience in the waste and recycling industry. Marcus has a particular interest in construction and demolition waste, and he has been instrumental in negotiating for new specifications for road base in WA.

Jennifer Bloom - director of a change management and strategic planning consultancy, and a Broome Shire councillor. Jenny adds a very valuable regional perspective to the Authority and, needless to say, she has a strong interest in what happens to waste from the growing resources industry in the Kimberley.

Neil Foley – is a town planning consultant and professor in urban and regional planning at the University of Western Australia. Neil has been focused on ensuring the Authority gained a place at the planning table and, largely thanks to his expertise and efforts, for the first time the identification of land for waste infrastructure is to be included in the State planning framework.

Michele Rosano – Michele is an economist in natural resource management. She is Director Sustainable Engineering Group at Curtin University and is experienced in sales and marketing for the resources and industrial products areas.

Office of the Waste Authority

The Office of the Waste Authority (OWA) was established in 2010 to provide representation for the Authority on a full-time basis and comprises:

- General Manager
- Manager Strategic Partnerships
- Manager Public Relations and Education
- Manager Communications & Media Relations
- Executive Officers (1.2 job share)

Legislation administered by the Waste Authority

- *Waste Avoidance and Resource Recovery Act 2007* (WARR Act)
- *Waste Avoidance and Resource Recovery Levy Act 2007* (WARR Levy Act)

Performance Management Framework

Contribution to Government Goals

The Waste Authority's key tasks of developing and implementing a Waste Strategy for the State aligns with the *State Government Goal 5: Social and environmental responsibility* and *State Government Goal 2: Financial and economic responsibility* encouraging economic activity and efficient service delivery.

In addition, The Waste Authority also contributes to the *State Government Goal 4: Stronger Focus on the Regions* through policy, grants and other support to regional local government and community groups to improve regional waste management.

Major projects such as the Pilbara Cities and Broome Waste Infrastructure Planning project also contribute to this goal which includes waste management planning for the Pilbara Cities and Broome.

Government goals are mapped against the strategies and principles of the Waste Authority in [Table 1](#) in Appendix 2.

Financial Operation

Following amendments to the WARR Act in 2009, the WARR Account is to be allocated funds of not less than 25% of the forecast landfill levy for each financial year.

The forecast landfill levy amount in 2011/12 was \$42 million from which \$10.5 million was approved by the Minister to be allocated to the WARR Account.

As in previous years, the funds were paid to a DEC operating account established under the Financial Management Act 2006 section 16(1)(a).

In addition to the landfill levy, the WARR Account received a calculated interest on the Account balance and late penalties on quarterly payments. The Account had an opening balance of \$15.5 million.

WARR Account expenditure is consistent with the approved work plan and/or any programs approved by the Minister. The WARR Account revenue and expenditure is summarised in the [Statement of Cash Flows](#) in Appendix 7.

Financial Snapshot as at 30 June 2012

The WARR Account was credited with \$10.5 million from the landfill levy income and \$843,899 of interest on the account.

The 2011/12 WARR Account expenditure was \$7.7 million. Taking into account the \$15.5 million opening balance, the WARR Account was left with a balance of \$18.3 million at the end of 2011/12.

Total WARR Account revenue, expenditure and opening/closing balances are disclosed in DEC's Annual Report under the Special Purpose accounts of the Financial Statements.

The Auditor General provided an independent audit opinion on DEC'S financial statements and key performance indicators that included the WARR Account.

Agency Performance

Report on operations

Strategic Objective 1 - Initiate and maintain long-term planning for waste and recycling processing, and enable access to suitably located land with buffers sufficient to cater for the State's waste management needs.

During 2011/12, the Waste Authority:

- Coordinated inter-agency participation to enable land use planning for waste management to feature in the State Planning Strategy and regional planning documents for the Perth Metropolitan and Peel regions
- Hosted a forum on waste to energy involving international experts and a local panel of industry and government, to better inform Government decisions making.
- Commenced work on the Pilbara Cities and Broome Waste Infrastructure Planning project, with the objective of contributing to strategic waste management planning for Pilbara Cities and Broome to meet the growing demand by the resources industry for waste treatment and disposal services.

This project is in the initial stages and preliminary discussions have occurred with the Pilbara Cities Office, local government, the Waste Management Association of Australia and industry.

Strategic Objective 2 - Enhance regulatory services to ensure consistent performance is achieved at landfills, transfer stations and processing facilities.

During 2011/12, the Waste Authority:

- Developed and released the *Western Australian Waste Strategy: Creating the Right Environment* and prepared a draft Business Plan, which outlines the steps the Authority will take to work towards this objective
- Co-funded a review of the regulatory framework for landfills with DEC, comparing WA with other Australian and overseas jurisdictions

Strategic Objective 3 - Develop best practice guidelines, measures and reporting frameworks and promote their adoption.

During 2011/12, the Waste Authority:

- Expanded the Regional Funding Program (RFP) which supports groups of local governments working together to implement regional Strategic Waste Management Plans
- Collected nearly 250 tonnes of electronic waste through the Western Australian Transitional E-Waste Program



- Collected nearly 260 tonnes of household hazardous waste from metropolitan and regional areas



Strategic Objective 4 - Use existing economic instruments to support the financial viability of actions that divert waste from landfill and recover it as a resource.

During 2011/12, the Waste Authority:

- Developed and released the *Western Australian Waste Strategy: Creating the Right Environment* and prepared a draft Business Plan, which outlines the steps the Authority will take to work towards this objective
- The Community Grants Scheme funded projects to assist the State achieve better environmental outcomes. In the first round of funding for 2011/2012, four grants worth \$74,100 were approved for CGS projects.

Strategic Objective 5 - Communicate messages for behaviour change and promote its adoption, and acknowledge the success of individuals and organisations that act in accordance with the aims and principles in the Strategy and assist in its implementation.

During 2011/12, the Waste Authority:

- Developed an awareness raising newspaper advertising campaign focused on recycling and re-use of newspapers, aluminium and steel cans, plastics and construction and demolition waste (see [case study](#) in Appendix 1)
- Ran the 2011 Waste Awards program and upgraded and expanded the program for 2012
- Hosted a World Environment Day promotion with the City of Perth involving reusable coffee cups to encourage reduced use of disposable cups
- Developed, with the support of Finance Department procurement staff, a tender to undertake market research to gain a more detailed understanding of opportunities to increase recycling and decrease waste by business and industry. The goal is to identify how households can be encouraged to influence the waste management and recycling behaviour of businesses
- Upgraded the Waste Authority's domain name and website – www.zerowaste.wa.gov.au
- Sponsored the Housing Industry Association's *Green Smart Awards*
- Provided funding to Waste Wise Schools, Keep Australia Beautiful Council (WA), Greenstamp program, Conservation Council of WA, WA Local Government Association and Waste Management Association of Australia (WA)

Programs

Zero Waste Plan Development Scheme (ZWPDS)

The Scheme ran from July 2007 until June 2011 and funded local governments for preparation of Strategic Waste Management Plans (SWMP). The program captured over 94% of local governments in WA, resulting in 122 local governments working collaboratively in 24 group and 12 local governments working independently to develop SWMPs.

Almost \$2.1m in funding was provided to local governments under the program.

The ZWPDS was followed up by the pilot Regional Funding Program (RFP), a \$2.3m program providing funding to local governments towards implementation of their SWMPs. The pilot was completed during 2011/12.

The RFP pilot funded 21 groupings of local governments, with a total of 64 individual projects being undertaken.

Regional Funding Program for Local Government Authorities 2011-2016

In May 2011, the Minister for Environment approved the continuation of the RFP. The new RFP incorporates changes to the program duration, funding criteria and assessment guidelines and runs from 2011/12 –2015/16, with an initial funding allocation of \$6,780,000.

Local authorities were encouraged to form Regional Council Groups (RCGs) and undertake projects with regionally developed priorities which are consistent with the Waste Strategy. Running the RFP over five years will allow RCGs adequate time to plan and implement strategic projects. The program will be run in three phases:

- July 2011- June 2013 - Fixed funding stream, where regional groups are allocated a fixed amount based on the number of local governments in the group, regional needs and population
- July 2013 – June 2015 - Competitive bid funding stream, where regional groups will compete for funds for projects which demonstrate best value for money in meeting the Authority's waste diversion targets
- July 2015 – June 2016 - No funds will be allocated in the fifth and final year of the

program which will be for implementation, completion and reporting of funded projects.

The closing date for commitment to RCGs for the RFP was 6 January 2012. Twenty four RCGs comprising 121 local authorities from across the state notified their involvement in the program.

RCGs are now in the process of developing and submitting project proposals.

The Western Australian Transitional E-Waste Program (WATEP)

The program supports the responsible management of electronic waste in Western Australia prior to the implementation of the National Television and Computer Recycling Scheme (National Scheme).

Funding to the value of \$403,852 was allocated for local governments to operate depots and transfer stations to provide collection drop-off facilities to residents and send e-waste to recyclers for processing.

The WATEP was launched in 2011 with 12 council operated depots participating in Year 1 of the program. Between 1 January 2011 and 31 December 2011, 1,055 tonnes of e-waste was diverted from landfill. From the dismantling process, 94% of material was recovered, with glass having the highest recovery rate.

The WATEP is scheduled to run until December 2013, or until the National Scheme is implemented if that is earlier.

Household Hazardous Waste Program (HHW)

The second HHW program funded under agreement with the Western Australian Local Government Association commenced in this financial year. The new program is due to run over the 2011 to 2015 financial years and has an allocated budget of \$10 million. The program has focused on permanent collection facilities both within the metropolitan area and regional centres.

Unused paint continues to comprise the greatest proportion of all hazardous waste collected and in the first half of the financial year alone accounted for 67% of material collected by volume.

Additionally, the household battery collection sub-program has been extremely successful and it is estimated that 60 tonnes of batteries have been collected by the permanent facilities to date.

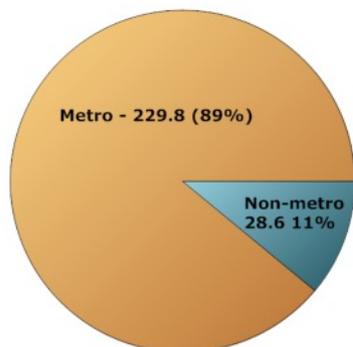


In total, 258 tonnes of HHW was disposed of in the 2011/2012 financial year at a disposal cost of \$666,748 (excl. transport). Of this, 229,865 kg came from the metropolitan area with a further 28,628.5 kg arising from the non-metropolitan area.

meet the landfill diversion targets of the Waste Strategy for the Perth Metropolitan and Peel regions.



HHW Collected - '000 kilos



Strategic Waste Infrastructure Planning Project

Long term planning for waste management at a State level is a priority for the Waste Authority and forms one of the objectives of the *Western Australian Waste Strategy: Creating the Right Environment*.

To initiate this process, and further integrate waste management into the strategic planning processes of the Department of Planning, the DEC has established the Strategic Waste Infrastructure Planning Project (SWIPP).

The aim of the SWIPP is to plan for the future waste disposal and recycling infrastructure needs of the Perth Metropolitan and Peel regions, and secure sites for the potential development of this infrastructure. The project is a collaboration between DEC and the Department of Planning (DoP).

In the last 12 months, activities of the SWIPP have included:

- Discussions with the DoP establish a framework for the incorporation of potential waste management infrastructure areas into the DoP's draft sub-regional structure plans for the Perth metropolitan and Peel regions. This will provide a basis for a more detailed analysis of needs, as well as future policy direction, funding models and site reservations/acquisitions through the landuse planning process
- Undertaking a survey of waste management service providers to establish some baseline data for the project
- Finalisation of the *Snapshot of Waste Management Infrastructure in the Perth Metropolitan and Peel Planning Regions* for the Department of Planning
- Engagement of Hyder Consulting to undertake modelling of a range of waste management infrastructure combinations that could potentially

Shared Responsibilities with Other Agencies

A Memorandum of Understanding and Service Level Agreement exists between the Authority and DEC and includes the provision of corporate services by the Department as well as waste expertise and program management by the Waste Management Branch (WMB).

Office of Waste Authority staff fulfil specialist roles that draw on the expertise of the WMB staff, as well as obtain additional advice from external sources. This collaborative structure ensures that there is a natural link between policy advice and the delivery mechanisms for strategic partnerships and programs, the bulk of which are carried out by the WMB staff.

National Waste Policy: Regional and Remote Australia Working Group

The National Waste Policy aims to avoid the generation of waste, reduce the amount of waste, including hazardous waste, for disposal, manage waste as a resource and ensure that waste treatment, disposal, recovery and reuse is undertaken in an environmentally sound manner.

The Policy establishes six key directions and 16 strategies for the period to 2020 to be implemented by national working groups, including 'Tailoring solutions—increased capacity in regional, remote and Indigenous communities to manage waste and recover and reuse resources'.

The *Regional and Remote Australia Working Group* is chaired by the DEC Director of Strategic Policy and Programs, and includes representation from the Waste Authority through the Office of the Waste Authority.

A compilation of case studies is nearing publication and will enhance network creation and provide examples of projects that can guide others.

Department of Planning

The SWIPP works in collaboration with the DoP to facilitate better planning for infrastructure, growth and landuse.

Stakeholders

A variety of organisations and groups share responsibility for the management of waste either through regulation, policy and advice or the direct management of waste. In undertaking its responsibilities, the Waste Authority liaises with many organisations to enhance progress towards better waste management outcomes.



Waste management responsibilities are undertaken by a number of entities:

- Local government and Regional Councils have a primary role in managing municipal waste and developing and operating waste infrastructure
- The waste and resource recovery industry provides privately funded collection, sorting, reprocessing and disposal services
- Waste generators, including households and businesses, through their use of recycling and disposal systems
- A number of not-for-profit, industry and government groups provide community and commercial perspectives that contribute to Waste Authority planning and decisions. These include the Municipal Waste Advisory Council, Waste Management Association of Australia, Forum of Regional Councils, Conservation Council of Western Australia and Compost WA.

Some of these relationships are formalised through strategic partnership arrangements that benefit from funding from the Waste Authority for the provision of consolidated information and stakeholder consultation.

The Authority also provides policy advice to the Minister for Environment on national issues being addressed through the Environment Protection and Heritage Council.

Strategic Partnership Details

Strategic partnerships are formal alliances between the Authority and key stakeholders to enable consolidated engagement and/or the building of mutual long-term goals and commitments to waste avoidance and resource recovery.

The Authority currently has seven strategic partnerships in place with a variety of stakeholders representing industry, local government and community groups, who are best placed to assist with advancing the WARR Act and the Waste Strategy objectives and targets.

In the community sector, the Authority has strategic partnerships with Waste Wise Schools, Keep Australia Beautiful Council (Western Australia Branch) and the Conservation Council of Western Australia.

Waste Wise Schools

A major milestone was reached in the program, celebrating 10 years since it was first launched in WA. Since 2002 the program has engaged with over 700 schools and reached 250,000 students.

The partnership with Waste Wise Schools supports the program throughout Western Australia and is aimed at changing attitudes and behaviour for sustainable waste management in students and the whole school community. The program models responsible environmental behaviours through hands-on learning experiences that are linked to the Western Australian Curriculum Framework.



From back:L.Thoresen, S. Cowie staff and students from Andross & Upper Swan schools and Chairman, Peter Fitzpatrick

Keep Australia Beautiful Council (WA)

KABC WA involved over 9,000 community members and businesses in the litter program *Adopt-a-Spot*. On average, 10 Community Clean Ups were conducted per month with 6,000 bags of rubbish collected during the year.

In 2011, the *Trash My Ad* competition continued to engage young people across Australia in the anti-litter debate. The winning advertisement, "Kevin the Crab", was showcased at a range of outdoor cinema events and in main-stream theatres around Perth. He is being used in a social media campaign with *Facebook* and *Twitter* in 2012..

There were 306 category entries in the Tidy Towns Sustainable Communities Awards (won by West Arthur), 26 entries for Clean Beach Awards (won by Jurien Bay Town Beach) and 41 category entries representing 141 separate projects for the Sustainable Cities Awards.



Hon Bill Marmion MLA, Minister for Environment, Mike and Jean Sheppard from Jurien Bay Progress Association and KABC Chairman, Mel Hay at the Clean Beach Awards

Activities included a 'Cleaner Printing Technology Workshop' held by PIAA in conjunction with Enterprise Connect (AusIndustry) and CarbonWise. The workshop focused on providing information on how to reduce energy costs and improve efficiency, as greenhouse gas emissions are one of the printing industry's major environmental impacts.

Waste Management Association of Australia (WMAA WA)

The partnership with WMAA Western Australia branch focused on assisting industry to prepare for the implementation of the Carbon Price. The WA Branch Carbon Working Group organised and delivered a carbon forum which provided an opportunity for the WA waste industry to understand the impact of a carbon price, as well as hear the latest Carbon Price and Carbon Farming Initiative news and advice from industry experts.

A funding agreement with Compost Western Australia (Compost WA) promotes and supports the recycled organics industry sector through Marketing and Industry Development Officer promoting and supporting sustainable market development for the recycled organics industry in Western Australia.

A Compost Science Mini-Symposium was held on 8 May 2012 where three presentations on cutting edge technology and research were heard by attendees from a wide range of organisations including compost manufacturers, government departments, local and regional government, consultants, landscapers and other allied industries.

Conservation Council of Western Australia (CCWA)

Funding provided to CCWA resulted in the development of an online community sharing information about waste reduction and included the use of social media tools. It also formed a Community and Industry Waste Avoidance Alliance and is working with the mining industry to explore and promote improved waste management options in mining communities.

Western Australian Local Government Association (WALGA)

The Authority's partnership WALGA supports a consultation mechanism with the 141 Local Governments in Western Australia on waste management policy discussion and development.

Through the support of the Waste Authority, WALGA has responded to a number of issues including the Metropolitan Local Government Review, the Regulatory Impact Statement on Packaging Impacts, and the development of the National Television and Computer Recycling Scheme.

WALGA has provided information to the Local Government sector and engaged on issues such as alternative waste treatment, the landfill levy and C&D waste.

Green Stamp Association

Representing the motor trade, printing and cleaning industry sectors, the Green Stamp program assists small to medium-sized businesses to incorporate processes that avoid, reduce, reuse, recycle and dispose of waste in an environmentally sustainable manner. Green Stamp was developed in conjunction with the Motor Trade Association, the Printing Industries Association of Australia (PIAA) and the Cleaning Council of Western Australia.

Strategic Partner	\$ Amount
Waste Management Association of Australia - WA Branch	35,751
Greenstamp	162,248
Keep Australia Beautiful Council	766,875
WA Local Government Association	75,000
Waste Management Association of Aust - Compost	100,000
Waste Wise Schools	742,000
Conservation Council of WA	100,000
TOTAL	1,981,874

Sponsorships

The Authority is a gold sponsor of the annual *Waste and Recycle Conference*. This is the key industry event of the year, attracting international experts, delegates from government, community and business across the state as well as national representatives.

The Authority provided \$10,000 in sponsorship funding for the *resource and waste management* category of DEC's 2011 WA Environment Awards. The award was sponsored in the previous year and aligns with the Authority's core business. The winner is eligible for nomination in the annual *National Gecko Awards*.

An opportunity to support *Compost Awareness Week* was taken up with the national organisation Centre for Organic & Resource Enterprises, which supported WA initiatives.

Similarly the Housing Industry Association's *Green Smart Awards* encourage the building industry to consider ways of reducing waste and increasing recycling, not only in the construction phase of a house, but in its ongoing energy and resource requirements. Award categories sponsored included Partnership, and Resource Efficiency.

Keep Australia Beautiful Council's *Clean Clubs* was supported by the Australian Packaging Covenant of which the State Government is a signatory. *Clean Clubs* is an education and awareness campaign about waste and litter management for sports clubs, grounds and sports events.



Gary Wright, Chairman Peter Fitzpatrick and Griff Morris with their *Green Smart* Partnership category award

Sponsored Recipient	\$ Amount
Environment Awards - 2010 & 2011	20,000
Waste & Recycle 2011 Conference - Fresh fruit sponsorship	3,750
CORE - Composting week	5,000
Waste & Recycle 2011 Conference - Gold sponsorship	16,000
HIA Greensmart Awards	4,500
Keep Australia Beautiful-Clean Clubs sponsorship	14,000
TOTAL	63,250

Jurisdictional Projects Group

The Waste Authority provides funds from the WARR Account for DEC to act as Jurisdictional representative for the Australian Packaging Covenant, a co-regulatory government and industry initiative to reduce packaging waste across Australia.

A function of the Jurisdiction is to manage projects that were jointly funded under the previous National Packaging Covenant (NPC) through the Jurisdictional Projects Group (JPG). The Western Australian JPG is currently overseeing the progress of nine projects that have committed funds under the previous NPC. (See [Table 2](#) in the Appendix)

Since the inception of the new Australian Packaging Covenant (APC) in July 2010 the APC Secretariat now manages all funded projects. However, funding is still provided on a 50/50 basis with the National Packaging Covenant Industry Association (NPCIA) for both local and national projects.

Currently there are four Western Australian and three National Projects that are being funded. These are shown in the [Table 3](#) in the Appendix.

For the 2011/2012 financial year \$189,015 (ex GST) in funding has been committed to the projects.

Funds committed (in principle) over the last 6 years (2005-2011) to JPG projects include:

- \$3,706,659.75 in jurisdictional funds (ex GST)
- \$22,879,456.76 in NPCIA (Industry) funds (ex GST)

These funds leverage a further \$23 million in value to Western Australian project budgets.

Current and Emerging Issues/Strategic Focus in 2012/13

As a result of the new membership of the Authority, the work of addressing the targets and goals of the waste strategy becomes paramount. To this end the priorities will be:

- Increased data collection
- Developing innovative approaches to recycling more C&D materials by government and industry
- Establishing new reference groups with industry representatives to focus on issues such as the complex C&I sector and work on measures to increase diversion from landfill
- Reviewing the progress of the Australian Packaging Covenant and considering complementary options for increasing the rate of recycling of packaging materials and controlling litter
- Reviewing the landfill levy.

The Authority is developing an engagement plan which includes the roles and responsibilities of stakeholders.

The Waste Authority will continue to work closely with all levels of government and stakeholders in pursuing its strategic focus during 2012/2013.

*"It has changed my way of thinking about recycling and waste."
Scotch College student Bailey reflects on the Waste Wise Schools waste audit.*



Disclosures and Legal Compliance

Comment on events occurring after the reporting period

Peter Fitzpatrick's term as Chairman, concluded on 11 July 2012. Marcus Geisler was appointed Chairman on 12 July 2012.

Ministerial Directives

The Waste Authority received no Ministerial directives in the 2011/12 reporting period.

Pricing Policies

The Waste Authority is funded out of the landfill levy collected under the WARR Levy Act 2007. The Waste Authority is a statutory body that has responsibility for administering the WARR Account. The Authority does not apply fees or charges for goods or services.

Levy Collection and Compliance

In 2011/12, the total amount of landfill levy collected was \$40,718,023.

The landfill levy is collected from 26 individual sites, most of which are located within the metropolitan area. The landfill levy only applies to waste disposed at metropolitan landfills, or for waste disposed to landfill anywhere in the State which is generated in the metropolitan area.

At the present time, less than five per cent of waste that is subject to the levy is disposed to landfill in regional areas, and the levy is being collected in these instances. Monitoring the movement of waste beyond the metropolitan boundaries is part of DEC's landfill levy compliance monitoring function.

Landfills located in regional areas which receive metropolitan waste as part of their total waste are not required to have weighbridges or to undertake volumetric surveys. In these instances, the landfill levy liability is established by transport mode in accordance with DEC's Landfill Levy Administration Policy 2006.

Employment and Industrial Relations



Staff in the Waste Management Branch and the Office of the Waste Authority are employed by DEC and are subject to DEC's industrial agreements, staffing policies, recruitment practices and professional development opportunities. Workers compensation statistics are included in the DEC Annual Report for 2011/12.

Governance Disclosures

The Authority's corporate governance arrangements ensure transparency in decision making and operation, as well as accountability to stakeholders by promoting strong leadership, sound management and effective planning and review.

The [Code of Conduct](#) and [Conflict of Interest Policy](#) are available on the website.

Disclosures of potential conflicts of interest were made by Waste Authority members on five occasions during the 2011/12 financial year. Members either abstained from voting or withdrew from involvement as per the Authority's Conflict of Interest policy.

Directors and Officers Liability Insurance

Insurance cover for Waste Authority members is provided under DEC's cover with arrangements for public liability, professional indemnity and employment practices insurance.

Authority members received the following remuneration:

Position	\$ per annum
Chairman	39,100
Deputy Chairman	24,300
Member	19,600

Authority Members attendance at meetings

Members Meeting Attendance	No. of meetings attended
Peter Fitzpatrick	9
Marcus Geisler	9
Jenny Bloom	9
Neil Foley	9
Michele Rosano	9



There are five records of “Resolution without meeting” pursuant to Schedule 1, Division 2, clause 11 of the WARR Act. (See [Table 4](#) in the Appendix)



Two office workers gladly taking up our World Environment Day promotion with the City of Perth. We distributed alternative re-useable cups to reduce disposable cups and encourage waste reduction.

Other Legal Requirements

Advertising

Section 175ZE of the Electoral Act 1907 requires the inclusion of a statement detailing all expenditure incurred by the Authority. All advertising expenditure appears in [Table 6](#) in the Appendix.

Disability Access and Inclusion Plan Outcomes

The DEC Disability Access and Inclusion Plan outcomes apply to the Waste Authority.

Compliance with Public Sector Standards and Ethical Codes

The Waste Authority operates in a compliant manner with the Public Sector Standards and Ethical codes. Some elements of governance are managed by DEC on behalf of the Waste Authority.

Public Sector Principles

Government and public sector relationship

A Communication Agreement was considered by the Waste Authority in the early part of the 2011/2012 financial year and approved by the Minister for Environment.

Management and Oversight

The [Waste Authority Charter](#) was endorsed by the Waste Authority in the March 2011.

Organisational Structure

The Authority has no explicit employer role. Sections 16(1) and 17(1) of the WARR Act provide for the Minister to ensure that the Waste Authority is provided with services and facilities to enable it to perform its functions.

The OWA and the WMB are staffed by officers employed by DEC under the provisions of the *Public Sector Management Act 1994* and as provided for pursuant to section 16(1) of the WARR Act. Officers are subject to DEC human resources policy, information technology, administrative processes and other policy matters regulated by the Financial Management Act 2006 and the Treasurer’s Instructions, but are otherwise subject to the direction of the Authority.

Ethics and Integrity

The Waste Authority has an approved conflict of interest policy which was developed with the guidance of the Office of the Public Sector Standards Commissioner.

Procurement practices follow Government guidelines via the DEC procurement policy.

Finance

Structured processes are in place within DEC to monitor and audit the financial performance of the Waste Avoidance and Resource Recovery Account, as required by section 81 of the WARR Act and in accordance with the *Financial Management Act 2006* (FMA). The administration of the WARR Account is regarded as a DEC service for the purposes of section 52 of the FMA.

Communication

The Waste Authority's Code of Conduct comprehensively outlines how the Authority ensures that official information remains confidential to the Authority, describes the process for public interest disclosure and provides guidelines on freedom of information.

The Waste Authority ensures that records of decisions and all other documentation is securely retained. Minutes of Authority meetings are promptly circulated to members.

In addition to maintaining the website, the Authority communicates through media releases, newsletters, communiqués and other communications prepared by the Office of the Waste Authority.

Risk Management

The DEC Risk Management Section is responsible for developing and implementing risk management policies and procedures in regard to occupational safety and health, general liability and the corporate insurance portfolio.

Record Keeping Plans

Waste Authority compliance with the State Records Act 2000 is currently by association with the DEC Record Keeping Plan. The Waste Authority follows a range of procedures required under the *State Records Act 2000*.

In addition a Customer Relationship Management system was specifically developed by the Communications Manager for the OWA to track correspondence and provide multi-user access to record client interactions.

A Record Keeping Plan has been developed and submitted to the DEC Corporate Information Service Branch for compliance with the State Records Office.

Government Policy Requirements

Substantive Equality

As the employing body, DEC has carriage of a Policy Framework for Substantive Equality. The DEC Substantive Equality Statement/Statement Flexible

Working Arrangements is an element of job advertisement text.



Occupational Safety, Health and Injury Management

DEC is responsible for the provision of occupational safety, health and injury management for all employees, including those in the Office of the Waste Authority.

Payroll as at 30 June 2012			
Staffing Numbers	Waste Management Branch	OWA	Waste Authority
Full Time Permanent	15	3	0
Part Time Permanent	3	2	0
Full Time Contract	1	0	0
Part Time Contract	1	1	5

Waste Authority Publications

- *Western Australian Waste Strategy: Creating the Right Environment*
- *Zeroing In* (Newsletter - ceased in 2011)
- *Too Good to Waste* (replacement Newsletter commenced 2012)
- *Communiqué* (decisions from Authority meetings)



1. Case study - awareness raising campaign

Case Study
A partnership
to
increase
recycling



With the Waste Strategy successfully launched in March 2012, the Authority's attention turned to encouraging improved recycling practices.

The Authority was able to commence its education program with the very generous support of Publishers National Environment Bureau (PNEB) members. NEB members, which include most of the larger Australian newspaper publishers, support, encourage and promote the recovery and reuse of old newspapers.

Under the PNEB's National Environmental Sustainability commitment newspapers provide free advertising space to help promote the recycling message. Our advertisements compared the quite reasonable newspaper recycling rate in Western Australia with the lower rates for steel and aluminium cans, plastics and construction and demolition waste.

Advertisements featured everyday Western Australians committed to the recycling message. Elizabeth and Brianna, who are both very committed to "reducing, reusing and recycling" message featured in the steel can advertisement. The campaign attracted a lot of interest with an increase in calls and emails as well as an increased number of hits to our website.

A number of local government authorities, including Vincent, Margaret-River Augusta, Cockburn, Esperance, and the Roe Regional Council shires – Corrigin, Kulin, Kondinin and Narembeen - adapted the advertisements to promote messages to their communities.





2. Table 1 - Mapping of Government goals to the Waste Strategy

Government Goal	Waste Strategy Strategic Objective	Waste Strategy Principles
<p>Social and environmental responsibility</p>	<p>Objective 1 – Initiate and maintain long-term planning for waste and recycling processing, and enable access to suitably located land with buffers sufficient to cater for the State’s waste management needs.</p> <p>Objective 2 – Enhance regulatory services to ensure consistent performance is achieved at landfills, transfer stations and processing facilities.</p> <p>Objective 3 – Develop best practice guidelines, measures and reporting frameworks and promote their adoption.</p> <p>Objective 5 – Communicate messages for behaviour change and promote its adoption, and acknowledge the success of individuals and organisations that act in accordance with the aims and principles in the Strategy and assist in its implementation.</p>	<ul style="list-style-type: none"> ● Intergenerational equity – ensuring that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of future generations ● Waste minimisation and waste avoidance – in which all reasonable and practicable steps should be taken to minimise the generation of waste and its discharge to landfill and the environment ● Considering management options against the waste hierarchy of avoidance, recovery (including reuse, reprocessing, recycling and energy recovery) and disposal ● User pays and polluter pays – where those who generate waste bear the full lifecycle cost of managing their waste ● Open dialogue with community, industry, government and others ● Government leading by example ● Continuous improvement
<p>Financial and Economic Responsibility</p>	<p>Objective 1 – Initiate and maintain long-term planning for waste and recycling processing, and enable access to suitably located land with buffers sufficient to cater for the State’s waste management needs.</p> <p>Objective 2 – Enhance regulatory services to ensure consistent performance is achieved at landfills, transfer stations and processing facilities.</p> <p>Objective 3 – Develop best practice guidelines, measures and reporting frameworks and promote their adoption.</p> <p>Objective 4 – Use existing economic instruments to support the financial viability of actions that divert waste from landfill and recover.</p>	<ul style="list-style-type: none"> ● Intergenerational equity – ensuring that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of future generations ● Promoting the most efficient use of resources, including resource recovery ● User pays and polluter pays – where those who generate waste bear the full lifecycle cost of managing their waste ● Open competition and fostering innovation. Benchmarking and demonstrated best practice. Continuous improvement.





3. Table 2 - Jurisdictional Projects overseen by the Waste Authority

Organisation	JPG Project	Description	Funding exc GST
Transpacific Cleanaway	C&I Packaging Recycling focused primarily on SMEs	Provision of a commercial and industrial recycling service for Small to Medium Enterprises (SME's). Project has recovered 9441 tonnes from landfill to date	\$290,000 (50% NPCIA and JPG funds)
Shire of Gingin	Gingin and Lancelin Recycling Stations	Establishment of a recycling facility for the Shire of Gingin and Lancelin	\$50,000 (JPG only)
Colmax Glass Pty Ltd	New Glass Processing Plant in Perth	Establish glass processing plant in Perth. The glass plant has processed 10,000 tonnes to date and has an expected maximum capacity of 24,000 tonnes per annum.	\$3,900,00 050% NPCIA and JPG funds
Shire of Augusta-Margaret River	Loading Infrastructure for Increased Recycling and Efficiency	Installation of a conveyor belt to assist loading of cardboard into balers for processing. Project aims to recover 325 tonnes of cardboard from landfill	\$137,520 (including NPCIA and JPG funds)
Shire of Quairading	Co-located Waste Management and Recycling Facility	Establishment of a waste recycling facility for the region. Project has recovered 51 tonnes to date with an annual capacity of 300 tonnes	\$16,000 (including NPCIA and JPG funds)
Packaging Stewardship Forum	Westfield Out and About Recycling	Installation of public place recycling bins Westfield stores across Australia. Project has recovered 11 tonnes of beverage container recyclables from landfill to date	\$38,534 (including NPCIA and JPG funds)
Packaging Stewardship Forum	Yum! Restaurants (KFC Australia)	Installation of public place recycling bins in KFC stores across Australia	\$56,000 (including NPCIA and JPG funds)
Transpacific Cleanaway	Enhancing Plastic Recovery from Kerbside Recyclables	Installation of a combined disc rolling screen to increase recovery of plastics. Project aims to recycle 3120 tonnes from landfill	\$265,000 (JPG only)
Hive Resource Recovery	Hamilton Hills Materials Recovery Facility Efficiency Project	Installation of a ballistic separator and baler to increase recovery of plastics. Project aims to recycle 7,750 tonnes from landfill	\$200,000 (JPG only)





4. Table 3 - Ongoing National Packaging Covenant Industry Association Jurisdictional Projects

Organisation	JPG Project	Description	Funding exc GST
Eastern Metropolitan Regional Council	Cardboard Recycling Infrastructure @ 4 transfer stations & mobile baler	EMRC will collect and bale cardboard at transfer stations to provide economically viable cardboard recycling	\$142,100 (including NPCIA and JPG funds)
Australian Food and Grocery Council	Mobile Glass Crusher ROEROC	The project is a collaboration between four councils within the ROEROC region of WA and the AFGC and is aimed at increasing recycling of glass bottles and jars	\$49,500 (including NPCIA and JPG funds)
Mid West Regional Council	Introduction to Cardboard Recycling	The MWRC will introduce cardboard recycling services using a low energy air powered compactor that will compact a variety of materials including plastic. The collected material will be transported to Perth for recycling	\$117,150 (including NPCIA and JPG funds)
Keep Australia Beautiful Council WA	Clean Clubs Project	To encourage better litter disposal and recycling behaviour at sporting venues and clubs by providing waste and recycling infrastructure and education programs	\$50,000 (including NPCIA and JPG funds)
Australian Council of Recycling	Revision of industry recycling materials specifications manual	The Industry Materials Specifications Manual containing Kerbside Recycling Specifications for Post Consumer Materials and manufacturers' Recycling Guides will be updated to reflect contemporary materials utilisation and industry best practice	\$4,140 (National Project JPG funds only)
Australian Food and Grocery Council	E-learning Training module for Business	Using a visually appealing web-based application the e-learning package will deliver such information as; an introduction to sustainability and sustainable packaging, information on the APC, and the role of marketing and communications professionals in packaging design	\$3,500 (National Project JPG funds only)
Product Stewardship Forum	Increasing access to Away From Home Recycling across Colonial Regional and Urban Mixed Use and Retail Shopping Centres	Complete installation and/or upgrade away from home recycling stations in Colonial's 28 Regional, Urban and Mixed Use retail Shopping Centres across Australia	\$2,000 (National Project JPG funds only)





5. Table 4 - Resolutions without meeting

	Meeting	Date	Subject	Out of Session Decision
1	17/2011	14 Nov 2011	Draft Waste Strategy – approval to forward to Minister	Not approved. Revised recommendations circulated in OOS BN 18/2011.
2	18/2011	14 Nov 2011	Draft Waste Strategy and Construction and Demolition Levy	Approved release of draft Strategy; transmittal letter & C&D Levy advice.
3	20/2011	21 Dec 2011	Construction & Demolition Waste – Scoping Study	Approved research project proposed by WAPARC & \$50,000 of WARR Funds.
4	2/2011	17 Feb 2011	New Logo - Recommendation to support Option 1 – Western Australia – Too good to waste	Approved Option 1 as its new logo and branding identity.
5	3/2012	17 Feb 2012	Recommending Option 1 - Authorisation of Director General DEC to sign contracts on behalf of the Waste Authority Chairman	Approved Option 1 for DG DEC to sign contracts on behalf of Waste Authority.

6. Table 5 - Advertising

Type of Advertising	Group Totals \$	Grouped Details	Details	Amount \$
Advertising Agencies	28,408	Adcorp Australia	Grant schemes (CGS)	15,307
			Advertising-National Recycling Week	7,544
			Advertising-Staff recruitment	2,586
		Government Gazette	WARRA Levy & Amendment	1,071
			Advertising Waste Strategy	47
		Envirojob	Advertising-Staff recruitment	750
		ISWA	Advertising-Staff recruitment	387
IWM Business Services	Advertising-Staff recruitment	716		
Direct Mail	237	Campaign Monitor	Bulk emailing subscribers	185
		Australia Post	Bulk mail	52
			TOTAL	28,646



7. Statement of Cash Flow



Balances and transactions for special purpose accounts such as the WARR Account are separately identified in a note to the financial statements included in DEC's Annual Report. A summary appears below

Statement of Cash Flows For the year ended 30 June 2012

CASH FLOWS FROM WASTE LEVY	
Landfill Levy	10,500,000
Net cash received from the landfill operators	10,500,000
Utilised as follows:	
CASH FLOWS FROM OPERATING ACTIVITIES	
PAYMENTS	
Environment Protection & Heritage Council	-43,200
National Packaging Covenant	-889,226
Product Stewardship Programs	(0)
Governments Leading by Example	(0)
Regional Funding Program	-47,900
Infrastructure Planning	-116
E-Waste	-235,552
Used Oil Management	-33,208
Construction and Demolition	-36,068
Investigation - Performance of Waste to Energy Technologies Internationally	(0)
Waste Management Review- Karratha & Broome	-1,264
Remote Community Waste Management Planning & Implementation	(0)
Remote Community Waste Management Planning & Implementation	(0)
Household Hazardous Waste	-1,239,285
Landfill Policy & Regulation-Guidelines, Regulation Review & Landfill Bans	-51,534
Data Program	-287,506
Sponsorship	-50,774
Waste Authority Website	-20,423
Strategic Waste Initiatives Scheme & Community Grants Scheme	-465,595
Strategic Partnerships	-382,499
Recycled Organics Market Development	-100,000
Waste Wise Schools	-742,000
KABC	-766,875
Waste Management Branch Direct Costs	-1,684,414
Staffing of Office of the Waste Authority	-790,874
Waste Management Branch Indirect Costs	-1,196,052
Waste Authority Contingency Fund	-45,623
RECEIPTS	
Interest received	843,899
Other receipts	560,080
Net cash used in operating activities	-7,706,010
Net increase in cash	2,793,990
Cash at the beginning of the period	15,526,200
Cash at the end of the period	18,320,190

