



INFORMATION BULLETIN

**Issue No. 44
October 2018**



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DOCUMENTS EXECUTED BY AFFIXING THE COMMON SEAL	
File No:	GOV/38
Appendix(s):	Nil
Date:	12 October 2018
Responsible Officer:	Chief Executive Officer

SUMMARY

The report is for Council to note the documents executed by affixing the Common Seal of the Mindarie Regional Council.

BACKGROUND

The MRC enters into various agreements by affixing its Common Seal in accordance with *Division 3, s9.49A of the Local Government Act 1995*. Documents that are executed by affixing the Common Seal are reported to Council for information.

DETAIL

During the period 23 June 2017 to 12 October 2018, one (1) document was executed by affixing the Common Seal. A summary is provided below:

Date	Document	Signed/Sealed
04/10/2018	Deed of Variation of Sublease and Licence agreement for the landfill gas facility at Tamala Park (partial surrender and grant of additional subleased premises)	Sealed and signed by Chair and CEO

If further information is required on the documents signed under common seal please contact the Chief Executive Officer, Gunther Hoppe on 9306 6319.

RESOURCE RECOVERY FACILITY UPDATE REPORT	
File No:	WST/13-07
Attachment/s:	Nil
Date:	10 October 2018
Prepared by:	Director Corporate Services

This report presents a summary of activities that have taken place in the reporting period covering 1 July 2018 to 30 September 2018.

OPERATIONAL MATTERS

At the end of August, high winds caused a number cladding panels on the south west side of the RRF building to fail. These were repaired in a timely manner and the negative air pressure inside the facility was increased to help mitigate any potential odour issues. This does not have an impact on production.

Insurance renewals

Each year Biovision takes out insurance for the RRF in line with the requirements of the Resource Recovery Facility Agreement (RRFA), in discussions with the MRC. For the last number of years, the parties have been able to achieve significant reductions year-on-year in the insurance premiums by taking advantage of market conditions and through restructuring how the insurance was brokered. For the September 2018 renewals, we have seen an increase in these premiums as a result of worsening global insurance markets.

The agreed premiums are higher than what was originally budgeted for the 2018/19 financial year and the increase will need to be accommodated in the half year budget review. The table below reflects the RRF insurance premiums for the last 4 years.

Category	2018/19 actual	2018/19 budget	2017/18 actual	2016/17 actual	2015/16 actual
Industrial Special Risk	\$876,280	-	\$433,960	\$446,152	\$566,895
Product liability	\$36,520	-	\$35,520	\$35,520	\$43,918
Crime Policy	not yet confirmed	-	\$16,650	\$16,650	\$18,866
Total	\$912,800	\$867,000	\$486,130	\$498,322	\$629,679
Year on year	88% up	-	2.5% down	20% down	-

OPERATIONAL INFORMATION

Waste Delivery

Waste Delivery Summary for Reporting Period

MONTH	SCHEDULED TONNES	DELIVERED TONNES	DIFFERENCE TONNES
July 2018	8,800	9,624	824
August 2018	9,200	10,996	1,796
September 2018	8,000	9,034	1,034

For the 10th Contract Year, for the period to 30 September 2018, the RRF was 3,368 tonnes ahead of schedule as a result of additional throughput at the plant. August 2018 has produced the highest throughput performance of the plant in its operating life so far.

The RRF is operating as anticipated in the RRFA, with average availability of 105% over the past 12 months.

On a monthly basis, Additional Tonnes (those tonnes greater than the monthly scheduled tonnes) only incur the Variable Operating Cost charge, but not the Capital Cost or Fixed Operating Cost charges.

Unavailable Tonnes (those tonnes less than the monthly scheduled tonnes) are not paid for unless:

- Within the Contract Year there is a positive balance of Additional Tonnes, these Additional Tonnes can be off-set against the Unavailable Tonnes. In this case, the off-set Additional Tonnes incur the full gate fee cost less the Variable Operating Cost (which has already been paid on the Additional Tonnes); or
- If the RRF Availability for a month is less than 92% of the monthly Scheduled Tonnes and there are no accumulated Additional Tonnes remaining to be off-set, then the MRC is required to pay the Capital Cost on all Unavailable Tonnes up to 92% of the monthly Scheduled Tonnes.

At the end of the Contract Year, if 100,000 tonnes of waste have been delivered to the RRF then the above “overs and unders” system should balance out.

The exception to the above is the tonnes not processed during the composter replacement.

The MRC entered into a standstill deed with BioVision which deals with the operations of the plant during this period. The tonnes scheduled for processing but not processed during the shutdown have been recorded as Accrued Tonnes. The MRC has already paid the capital cost component of the RRF Gate Fee in relation to these tonnes and so the Accrued Tonnes will be processed for the MRC at the end of the RRFA contract with the MRC only have to pay the fixed and variable components of the RRF Gate Fee.

Waste Diversion

Waste Diversion for the contract year to date (September 2018) was 56.2% against a Waste Diversion Target of 51.3%.

Community Complaints

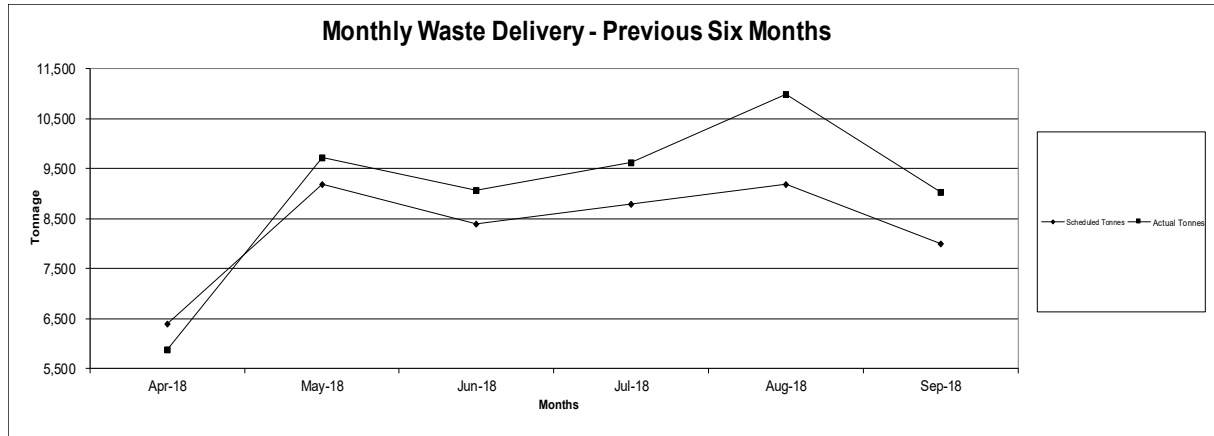
BioVision last met with its community stakeholder group on 30 November 2015 and no serious issues were raised. BioVision is continuing engagement with the selected key stakeholders, in particular the Banksia Grove development and the Wanneroo Golf Course.

COMMUNITY COMPLAINTS SUMMARY FOR THE REPORTING PERIOD

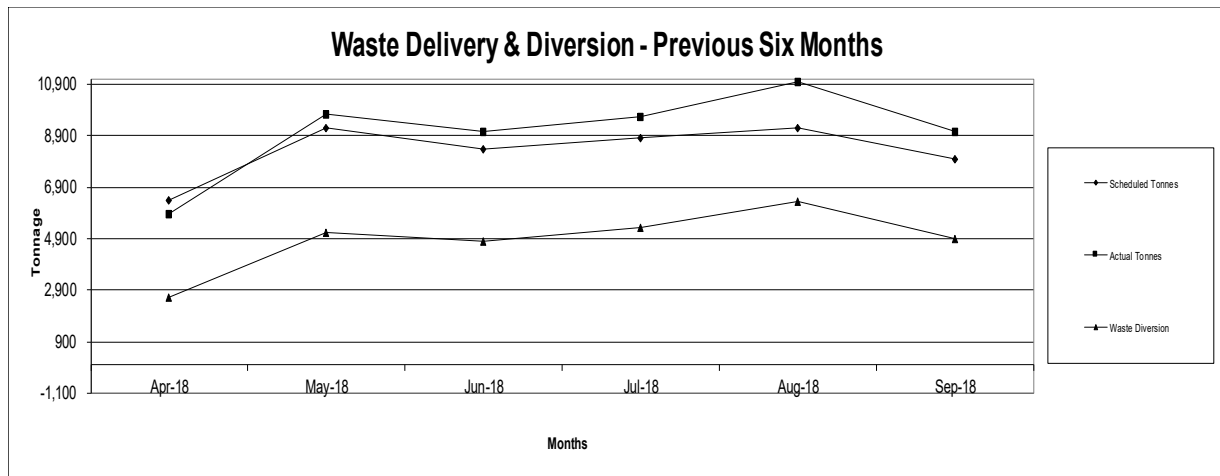
Date	Complaint	From	Outcome
-	None	N/A	N/A

The graphs below provide data up to **30 September 2018**.

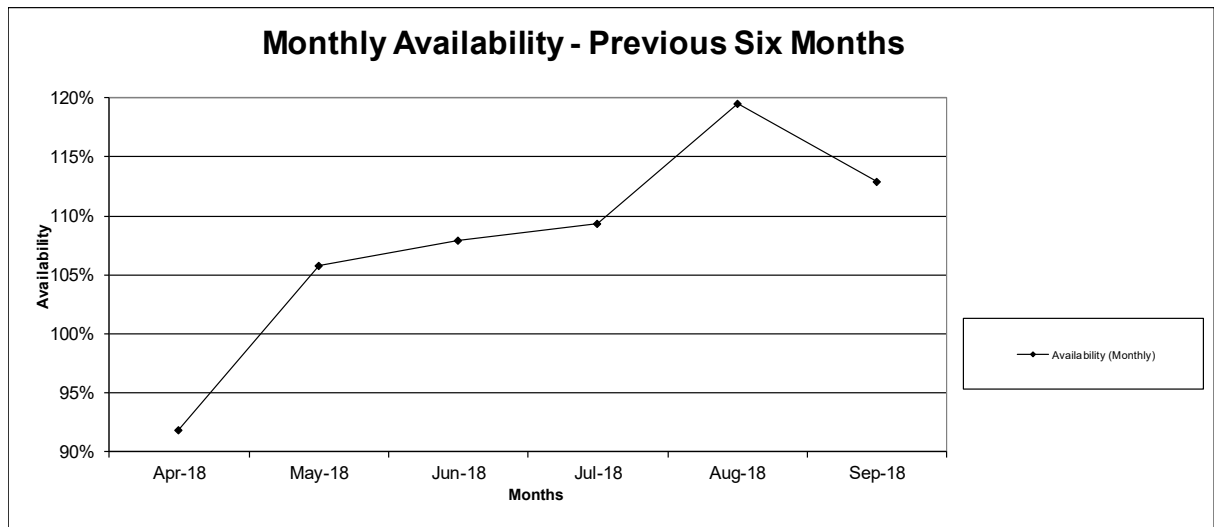
Graph No. 1 – Monthly Waste Delivery – Previous Six Months

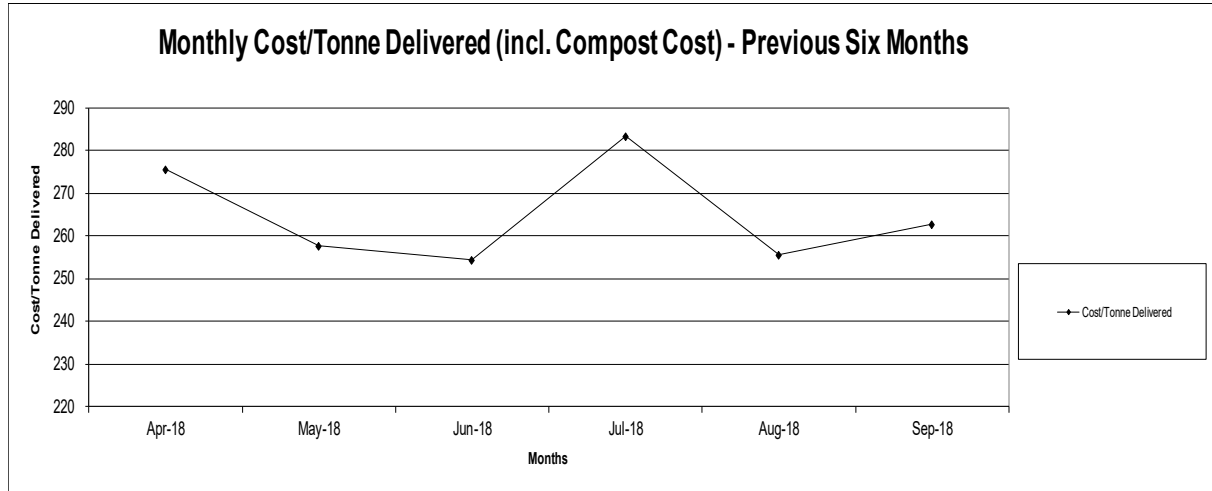
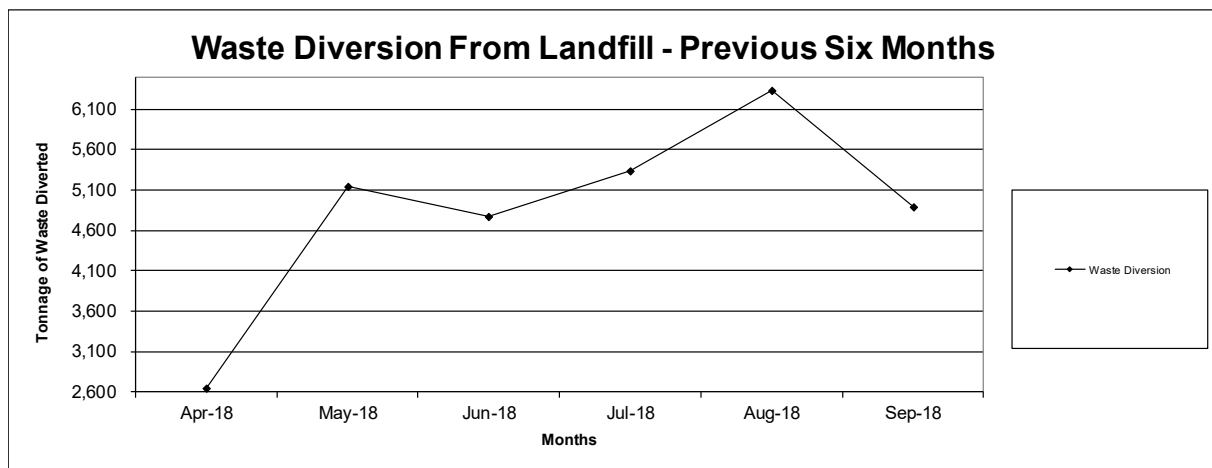


Graph No. 2 – Waste Delivery & Diversion – Previous Six Months



Graph No. 3 – Monthly Availability – Previous Six Months



Graph No. 4 – Monthly Cost/tonne Delivered (incl. Compost Cost) – Previous Six Months**Graph No. 5 – Waste Diversion from Landfill – Previous Six Months**

Performance Indicators

KPI's as per the RRFA are as follows:

Table No. 1 – KPI Summary (to 30 September 2018)

KPI	Target	Previous 6 Months	July	Aug	Sep
Availability*	95%	100.5%	109%	120%	113%
Environmental Standard - Number of Breaches	0	0	0	0	0
Waste Diversion	51.3%	52.9%	55.4%	57.6%	54.2%
Quality of Compost - Number of Breaches**	0	0	1	0	0
Quantity of Recyclable Packaging ***	1.2%	1.7%	1.9%	1.7%	1.8%
Health and Safety - Number of LTI's	0	0	0	0	0
Community Acceptance - Number of Complaints ****	0	0	0	0	0
Project Culture - PAG Chairperson Score	100%	100%	100%	100%	100%

* The Target Availability during the Initial Operating Period is to achieve an Availability of greater than 95% over a six-month period.

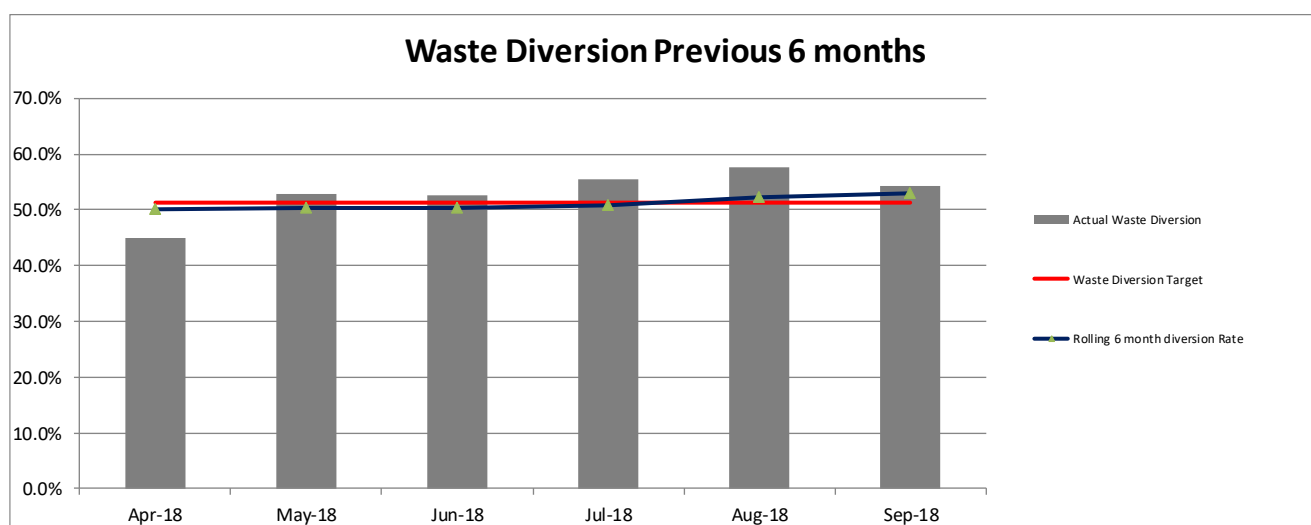
** The compost standard within the RRFA was amended by the revisions to the RRFA approved by Council at its meeting of 6 December 2012 and signed under common seal in May 2013.

*** Financial impacts of the KPI were removed by the revisions to the RRFA approved by Council at its meeting of 6 December 2012 and signed under common seal in May 2013. Ferrous diversion has recommenced.

**** Numerous complaints relating to a single event are treated as a single complaint. Biofilter odour is not registered as a complaint as this is seen as a normal operating odour condition.

Waste Diversion

The average waste diversion for the past six months (April 2018 to September 2018) has been 52.9%.



Project Advisory Group (PAG) as at 30 September 2018

MRC Representatives:

Cr Frank Cvitan
 Gunther Hoppe (A/CEO)
 Andrea Slater (A/DCS)
 Cr Russel Driver (alternative)

BioVision Representatives:

Craig Barker
 Daniel van Veen
 Frank Sciarrone (apology)
 Alan Turner
 Ian Hunter (alternative)
 Emmanuel Vincent (apology)

Chairperson:

Ian Watkins

The PAG last met on 10 October 2018.

Items dealt with by the group included:

- The impact of 3 bins systems to the facility
- BioVision Monthly Report/Update
- Compost stockpiling
- Insurance renewals for 2018
- Fogo Trial at RRF
- RRFA deed of variation to cover transition, Joondalup's transition to a 3 bin system

Copies of the meeting minutes are distributed to the Strategic Working Group members and all MRC Councillors following the meetings.

FINANCIAL IMPLICATIONS

Operational Expenditure

The Project Operational Summary below sets out the 2018/19 facility operating budget against which operational costs are tracked throughout the year. The variance over budget is as a result of the additional tonnes put through the facility during the year.

Project Operational Costs Summary for 2018/19 Financial Year – for the period ended 30 September 2018

Mindarie Regional Council OPERATING STATEMENT For the month ended 30 September 2018					
Description	Adopted Budget	YTD Budget	YTD Actual	\$ Remaining Bal of Budget	% Balance
Resource Recovery Facility					
Operating Expenditure					
Employee Costs					
Salaries	-	-	-	-	-
Allowances	-	-	-	-	-
Workers Compensation Premium	-	-	-	-	-
	-	-	-	-	-
Consultants and Contract Labour					
Consultancy	-	-	-	-	-
Contract Labour External	-	-	-	-	-
	-	-	-	-	-
Office Expenses					
Cleaning of Buildings					
General cleaning (Enviro Care)	10,800	2,649	2,445	8,155	76.93%
Window cleaning	2,000	-	-	2,000	100.00%
	12,800	2,649	2,445	10,155	80.60%
Information System Expenses					
Computer System Maintenance					
ICT contractors costs	2,000	-	-	2,000	100.00%
Newcastle Weighing Services-Gen Maintenance	11,500	2,874	2,808	8,694	77.34%
Vertical Telecom P/L-Maint of Microwave Ant	6,000	1,500	1,305	4,695	78.25%
	19,500	4,374	3,911	15,589	79.94%
Building Maintenance					
Building Maintenance					
Airconditioning Maintenance	3,000	129	129	2,871	96.70%
Community Education Centre	2,000	2,000	2,646	(646)	(32.31%)
Weighbridge and Calibration	7,500	220	220	7,280	97.07%
Building Security					
Security - Monitoring	-	-	-	-	-
Security - Alarm maintenance	-	-	-	-	-
Security - call out	-	-	-	-	-
	12,500	2,349	2,995	9,505	76.04%
RRF Operation Expenses					
Fencing and Gate Maintenance					
Fencing and Gate Maintenance	9,000	-	-	9,000	100.00%
Repair of Boom Gate	-	-	-	-	-
Road Maintenance	5,000	-	-	5,000	100.00%
Bores and Pipework					
Bore maint/calibration/electronics	4,500	1,060	1,060	3,440	76.45%
Groundwater sampling	2,500	2,500	3,801	(1,301)	(52.04%)
Bacteria sampling	1,000	-	-	1,000	100.00%
Vermine control	500	-	-	500	100.00%
Spills/leaks/incident management	500	-	-	500	100.00%
Vehicle Wash Facility Operations	-	-	-	-	-
Landscaping and Gardens	6,000	350	350	5,650	94.17%
Compost Disposal	433,500	113,784	113,784	319,716	73.75%
Contractor's Fees	28,338,000	7,481,232	7,828,955	20,509,045	72.37%
RRF Maintenance Funding	250,000	-	-	250,000	100.00%
	29,050,500	7,598,926	7,947,950	21,102,550	72.64%
Utilities					
Electricity	15,800	1,260	1,260	14,540	92.03%
Rates	108,894	27,224	26,760	82,134	75.43%
	124,694	28,484	28,020	96,674	77.53%
Insurance					
Municipal Property Insurance	3,500	875	587	2,913	83.24%
Public Liability Insurance	5,650	1,411	887	4,763	84.30%
	9,150	2,286	1,474	7,676	83.90%
Cost of Borrowings					
Interest on Loans					
Loan 10A	56,088	14,812	14,812	41,276	73.59%
Loan Expenses	-	-	-	-	-
	56,088	14,812	14,812	41,276	73.59%
Amortisations					
Amortisation Pre-operating Costs	104,784	26,196	26,196	78,588	75.00%
Amortisation Costs	358,007	89,501	89,501	268,506	75.00%
	462,791	115,697	115,697	347,094	75.00%
Depreciation					
Depreciation on Building	25,124	6,279	4,187	20,937	83.33%
Depreciation on Infrastructure	26,697	6,672	5,812	20,885	78.23%
	51,821	12,951	9,999	41,822	80.70%
Total Operating Expenditure	29,799,644	7,782,528	8,127,303	21,651,456	72.66%
Net Total	(29,799,644)	(7,782,528)	(8,127,303)	(21,651,456)	72.66%



Communications and Education Report

July and August 2018

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1. Introduction

The Mindarie Regional Council's (MRC) Education Team's focus is on Winning Back Waste through community engagement within the region. The main objectives are to:

- act as an advocate for waste behaviour change at all levels,
- improve community awareness and understanding of waste issues,
- encourage a reduce, reuse, recycle and dispose wisely ethos and behaviours associated with this,
- encourage engagement on many levels to have waste dealt with as high on the waste hierarchy as is practicable,
- promote infrastructure solutions as integral to the aim of diverting waste from landfill.

This is largely done through the provision of:

- a Regional community engagement and waste education campaign, Face Your Waste
- the Earth Carer community outreach program,
- facility tours,
- visits to schools and community groups to deliver workshops and talks,
- displays within the community (including shopping centres, libraries, fairs and events),
- messaging through a broad range of communications and advertising channels, and
- special projects/programs to facilitate greater community participation in recycling and waste disposal initiatives.

The Team works closely with:

- the Member Councils through the region's Waste Education Strategic Steering Group (WESSG) to support the councils by assisting them in delivering their waste messages and in providing programs to enable improved recycling and waste disposal outcomes to the community, and,
- the State and National Waste Educator Groups (WMAA-WA WEWG / WENG and NWED) which include representatives from the other Regional Councils, Local Governments, WALGA, Waste Wise Schools, KABWA, Waste Authority and a variety of other members (government/community/business) interested in waste issues.



The MRC recognises that waste has a value as a resource and is committed to managing waste in line with the waste hierarchy and diverting waste from landfill.



This report will look to summarise MRC's education activity for the period of July and August 2018.

2. Strategic Projects

2.1 Face Your Waste

Regional Education Campaign to engage with and improve the community's awareness of waste and waste issues and drive behavioural change.



April saw the Face Your Waste campaign launched. The central engagement piece was 20 clear bins to be deployed around the suburbs to get people to see their waste and to act as conversation starters...and that they did.

In support was a number of advertising channels used, outdoor, print and digital media, to promote the campaign. This to engage and capture peoples interest then direct them to a dedicated Face Your Waste website, www.faceyourwaste.com.au, and social media platforms to gain further information, education and tips on how to change behaviour.

FACE YOUR WASTE Campaign Report

As at June 2018



**Claude
Outdoor.**

Big Mobile

Community
newspaper group





The clear bins captured the imagination and news about them was widely reported on TV, radio, online and in the press. The reporting was not limited to Perth but was widely taken up across Australia and even ventured into New Zealand, Canada and appeared in online tabloids in London.

By the end of August over 320 people had signed up to be Bin Ambassadors, volunteering to have a clear bin at their residence. The majority of these were from the Cities of Joondalup, Stirling and Wanneroo although they include people from right across the Perth Metro area.



Bin Ambassador guides were produced to assist the bin ambassadors in using the clear bins and giving them tips on how they can reduce the waste they produce. These guides contain information addressing each level of the Waste Hierarchy.

Thank you for being one of our valued volunteer bin ambassadors!

Together, we can make a difference to the **20 million tonnes of waste** reaching landfill in Australia, every year.



Keep me on the fridge as a helpful guide!

face your waste

As a clear bin ambassador, you will be helping to raise critical awareness about how much waste is going to landfill and how we can all work together as a community to lower this volume.

TO BEGIN

- 1 A clean, clear bin will be delivered directly to you by a representative of Face Your Waste.
- 2 The bin is the property of Face Your Waste. Where possible, please take care of the bin to avoid it being damaged.

Bin Ambassadors then, after their bins have been collected, are sent a feedback form either online or as an editable pdf.

In July and August, the clear bins were deployed in the City of Vincent (a multi-unit dwelling on Beaufort Street), Town of Cambridge (bins paired in various public places throughout the Town), Town of Victoria Park (Bin Ambassadors located throughout the Town) and City of Perth (Bin Ambassadors living on one side of a street in West Perth). The bins at these locations all showed positive resident behaviours with waste being placed in correct bins and feedback given of participants being more thoughtful of the waste they produced. The supporting media campaign, print and online, was targeted into these areas resulting in greater awareness in the targeted areas.

With the Cities of Wanneroo and Joondalup not participating, all member councils have now trialled the use of the clear bins in their communities, the first stage of the campaign.

A number of schools, businesses and organisations have also come on board with the Face Your Waste campaign. Most wanting to use the bins at their events, to provide visual engagement with patrons about the waste they produce, and leverage the messaging and exposure associated with Face Your Waste.

West Coast Eagles

The West Coast Eagles hearing of the Face Your Waste campaign made contact to assist them with a waste initiative of their own.



Eagles players, Luke Shuey and Liam Duggan, visited Tamala Park, along with a film crew and Channel 7 news team, to record some waste messages which were shown on the 7 news and the Eagles website,

<http://www.westcoasteagles.com.au/the-club/community/rethink-your-waste>

RETHINK YOUR WASTE FOR OUR HOME GAMES

With over 50,000 fans attending each of our home games at Optus Stadium, it creates a lot of waste from plastic bottles, cup trays, paper bags etc. Our goal this game is to divert as much waste away from landfill as possible, and stop it ending up in landfill.

All you need to do is put your waste in the appropriate bins at the stadium.



AVOID
Avoid all single use items including plastic bags, coffee cups, plastic knives, plastic straws.

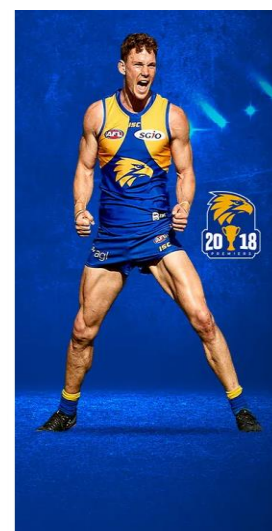
LEARN
Look through your bin at the end of the week and separate your waste. What are you creating a lot of that can be recycled?

RE-USE
Every item you consume including your clothes and electronics becomes waste. Where can these be sold or re-used?

RECYCLE
Check your council to ensure you are recycling correctly to decrease contamination



WITH THANKS TO



The segments were also shown on the big screen at the last games at Optus Stadium for the 2018 season. This to encourage patrons to Optus Stadium to think about the waste they produce and then at the end of the game place it in the bin.

The messaging was well received by the Optus crowd with most disposing of their waste thoughtfully, although bins were overflowing.





The clear bins were deployed at the Craft Beer Festival in Northbridge. The three-day event saw the bins operate with good effect with patrons using the bins as a guide to correctly sort their waste at the event.

The FYW clear bins coupled with signage provided a very visual waste system assisting patrons to sort the waste into recycling and composting streams.

The event organisers being very satisfied with the outcome enabling them to achieve an event with minimal waste going to landfill.



Plastic bag ban

Handy FYW reusable bags were produced to help people engage with the State's plastic bag ban that commenced in July and push the use to reusable bags. These were given to Bin Ambassadors and people attending MRC displays and workshops.



Features focussing on Face Your Waste with an emphasis on reducing our use of single use plastics in particular plastic bags also appeared in:

- The West Australian – Plastic Free July full page advertorial
- Kids in Perth - Parents Paper (July - single use plastics and August - alternatives to plastic bags)
- Offspring magazine (Winter edition)

The next stage

It is now planned to deploy the bins to the registered Bin Ambassadors in participating councils and where timing permits to various community events and activities to keep the waste conversations going.

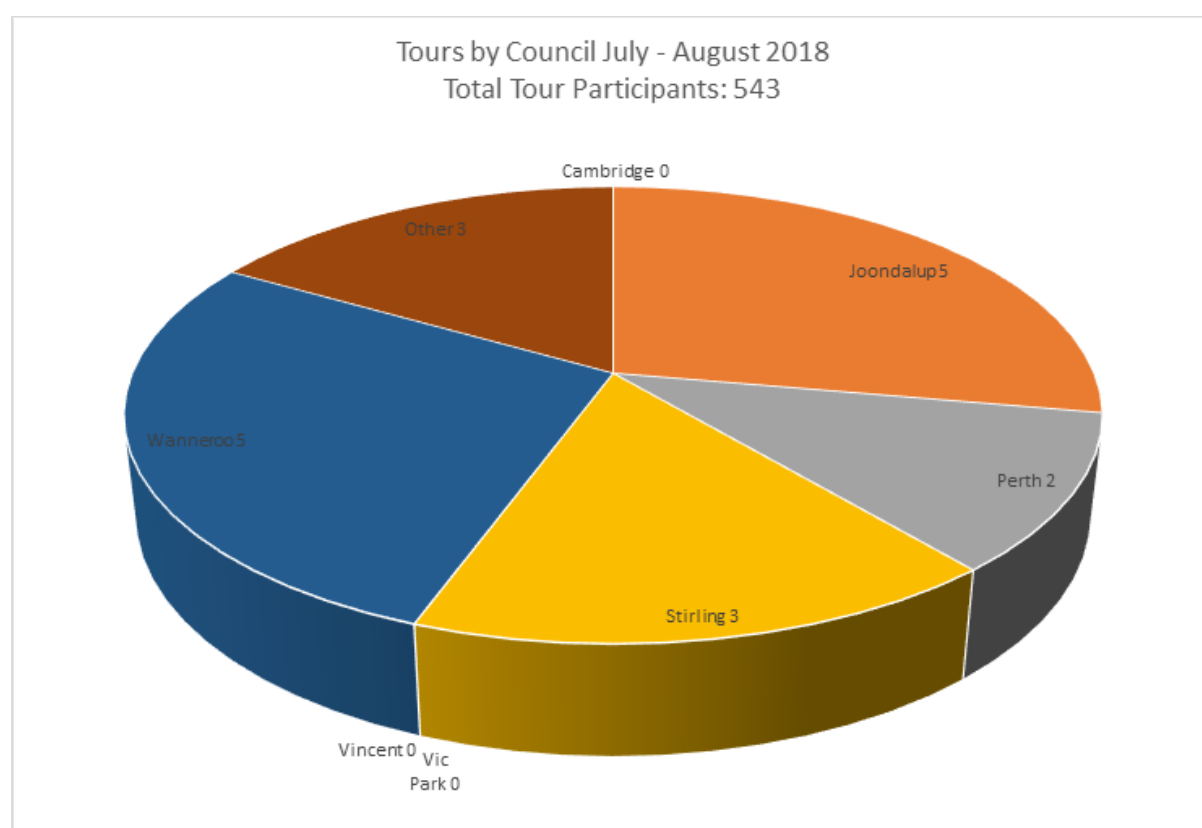


3. Community Engagement

3.1 Tours

The tours of the MRC facilities (Tamala Park and Resource Recovery Facility) are run on request Monday to Saturday and are popular with people of all age groups and from all walks of life. The duration of each tour ranges from one to three hours depending on the requirement of the group attending.

During July and August 18 tours took place with 543 people viewing the facilities and learning about how we deal with waste.



Groups on tour: City of Perth staff, CoW staff, Tracey Webster resident of Indonesia, Earth Carers, Mosman Park Primary School, St Mary's Anglican Girls' School, St Stephen's School Carramar, UWA for South China University of China, Tendercare, MRC End of Month Tour, Woodvale Primary School, Beldon Primary School, Churchlands Primary School, Quinns Baptist After School Care and Quinns Baptist College.

TOURS BY GROUP	
	Number
Business	3
Community	3
Schools	11
Tertiary	1
TOTAL	18

Of these tours 10 visited Tamala Park only, 2 the RRF only and 6 visited both Tamala Park and the RRF.

The feedback given about these tours continues to report a high level of participant satisfaction with them being described as very informative. The tours don't just point out operational aspects of the sites but discuss the 'story of waste', engaging people in how the Waste Hierarchy works and discuss behaviours that create the best outcomes. People are continually amazed at how a 'trip to the tip' can be such an eye opener and be very enjoyable.

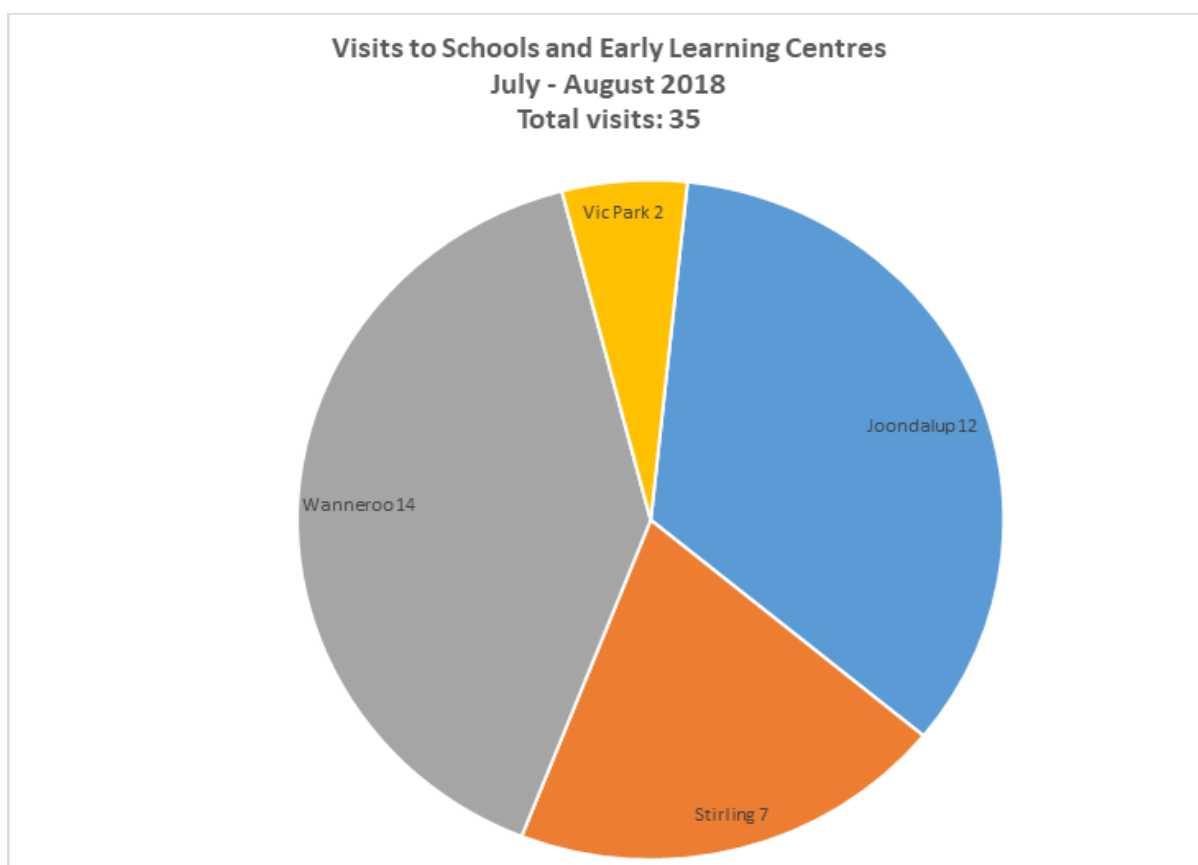
3.2 Schools

Talks and visits to schools is a focus of the MRC education team. The MRC provides a number of services to enhance a school's curriculum, these include: tours, talks, workshops and activities can be tailored to meet the individual requirements of the school.

The MRC Education Team have continued to developing a closer working relationship with Waste Wise Schools with the purpose of delivering a broader and more consistent waste education program into schools throughout the region.

In 2018 the MRC is continuing to deliver the Waste Wise Schools program into MRC schools and advise how schools can become waste wise schools and access funds to assist with development of waste related projects. Through this partnership the Region's schools are being offered a superior waste education program with ongoing local support.

MRC is also continuing to assist the City of Stirling to promote their 3 bin system by targeting schools within the city and presenting talks/workshops to students, teachers and parents on 'what goes into what bin?' Students are all given take home material describing the 3 bin system in an effort to spread the message.



Name of schools visited: Francis Jordan Catholic School, North Padbury Catholic School, Marmion Primary School, North East Metropolitan Language Development Centre, North Balga Campus, Ashdale Primary School, Alkimos Beach Primary School, Churchlands Primary School, Lake Gwelup Primary School, East Vic Park Primary School, Boyare Primary School, St Anthony's School, East Butler Primary School, Deanmore Primary School and Francis Jordan Catholic School

Visits to Child Care centres have increased in the last year with the Centres looking to enhance the environmental and sustainability education programs they do with the children. These visits aim to not only foster an interest in waste for the youngsters but also to connect with educators and to a different parent group.

Name of Early Learning Centres visited: OSHC – Mount Lawley (Perth College) OSCH, St Stephens Duncraig, Mindarie Keys Outside School Hours Care and Three Plus, Ngala Joondalup, Goodstart Early Learning Joondalup, Horizons Childcare, Goodstart Early Learning Banksia Grove, OSHC Peter Moyes, Carramar Group, Cuddles childcare, Duncraig Early Learning Centre, Meerilinga Children and Family Centre Woodvale, Atlantis Alkimos OSCH and Connections Early Learning.

3.3 Visits, Talks & Workshops

Talks and visits to community groups is also a focus of the MRC education team.

The topics of these talks and visits vary according to the group but the sessions mainly focus on three main areas:

- Organics – composting and worm farming
- The bin system – what goes in what bin
- Waste Hierarchy – reduce, reuse, recycle and dispose wisely.

The duration of the sessions ranges from an hour through to a full day and, in the case of schools, may be for single classes or for the whole school

VISITS/TALKS	
	Number
Cambridge	1
Joondalup	12
Perth	0
Stirling	8
Victoria Park	2
Vincent	0
Wanneroo	14
Other	0
TOTAL	37

TYPES OF TALKS	
	Number
Battery assembly	3
Composting, worms & gardens	14
Nude Your Food	2
Waste & recycling	17
Waste Audit	1
TOTAL	37

3.4 Events and Displays

Events and displays are a means of delivering waste messages to large numbers of people and often broader audience many of whom when visiting events find themselves engaging with the waste messaging.

ROAMING RECYCLER EVENTS	
	No Days Out
Cambridge	0
Joondalup	3
Perth	2
Stirling	1
Victoria Park	0
Vincent	0
Wanneroo	3
Other	1
TOTAL	10

Name of Events: Albatross Movie, The Good Market, Environment Day Beat Plastic Pollution, Sustainability Saturday, Joondalup ECU Open Day, Poynter PS Community Markets, Tamala Park Tree Planting day, ECU Open Day Mt Lawley and Perth Science Festival.

This period saw the commencement of the State Government ban on single use plastic bags. In support the events MRC attended had a focus on plastic bags and the alternatives to provide guidance for people to make the transition.

Plastic Free July activities were also held again with a focus on plastic bags but also on other single use plastic items like straws and coffee cup lids





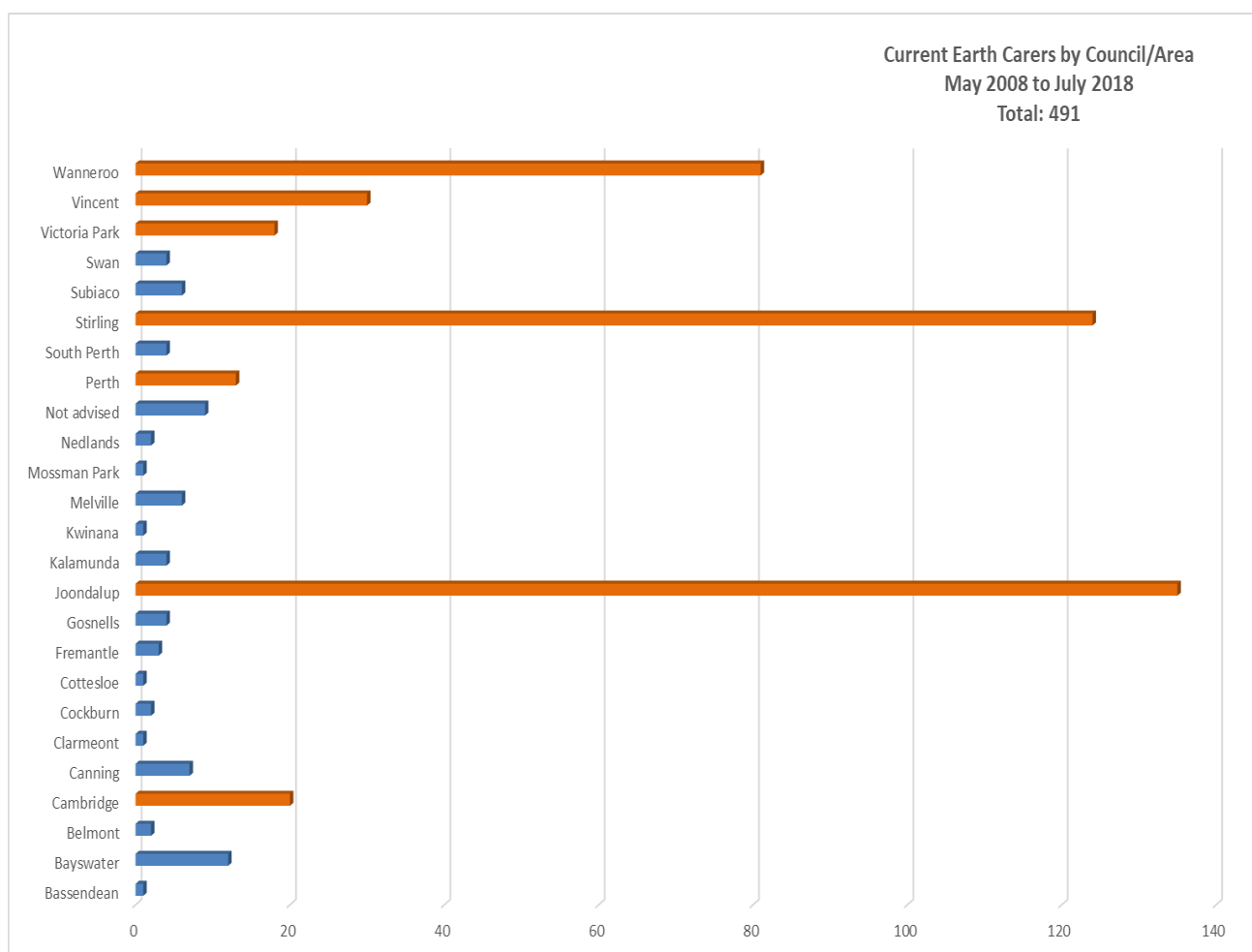
Perth Science Festival was this year at the Claremont Showgrounds. Over 5,000 people attended the event over the two days that included the MRC display, 'Plastic Fantastic? Where visitors to the display could make T shirt bags, look at compost and observe using i-pads bits of plastic.

3.5 Earth Carers

The MRC community outreach program, Earth Carers, has been an integral part of the education program. Earth Carers are seen as long term valued people interested in waste and spreading a 'Waste Less' message. Since 2008 over 520 people have completed the MRC Earth Carer training courses and most of them are still active, a good retention rate.

Two **training courses** are held each year, one in March and the other in August. On completion of the course the MRC Earth Carers continue to meet and engage with the community. A number of Earth Carers link in with Community Garden groups, Transition Towns and other groups of like minded people. These provide very fertile grounds for information exchange and promoting waste wise messages. The MRC maintains contact after the course, with Earth Carers assisting at events on an MRC stall, in schools, and through on going workshops we offer.

The August 2018 training course had 38 people attend and 35 graduated. Sessions were held at: City of Wanneroo Ashby Depot, Tamala Park & RRF, City Farm, West Leederville Community Garden and Remida. Here participants learned about the wonderful world of waste, what goes into what bin and ways that they can reduce the amount of waste they produce, either at home and/or in their work place.



Earth Carers are regularly sent newsletters and emails full of stories and updates of Earth Carer activity, information about waste issues and tips on how to live with less waste.

A Facebook Page, **Earth Carers North**, provides a convenient forum for Earth Carers and others to exchange ideas and discuss the wonderful world of waste. This page was originally set up as an Advanced Earth Carer project. Earth Carers are very important ambassadors for a responsible waste message as they have credibility with friends and neighbours we could not hope to maintain. Over 770 followers currently engage with the Earth Carers North page.

To further keep the Earth Carer group engaged a variety of activities are held to enable Earth carers to network, up skill and learn new ways of living with less waste.

Green Cleaning

This event practically showed the 18 participants some green cleaning options for both inside and outside the home.

Fab 4 Plastic event

The third in a series of four workshops, this Fab 4 workshop proved very popular with over 50 people attending to learn how to reduce use of single use plastic.

PLASTIC FREE JULY



Event: Living With Less Plastic
 When: Saturday 30 June
 Time: 1:00pm - 4:00pm
 Where: Currambine Community Centre

Free Event



Learn how to reduce your single use plastic from the entertaining and knowledgeable **Lindsay Miles**

Make stuff to help use less plastic, including:

- ♦ shopping produce bags
- ♦ Soaps, deodorant and toothpaste
- ♦ Yoghurt, kombucha and cauliflower rice

To register visit www.mrc.wa.gov.au



Email: wasteed@mrc.wa.gov.au
 Contact: 9306 6303



Participants after learning about plastics in the environment finished the session using pieces of single use plastic to create faces of how they felt about plastics.



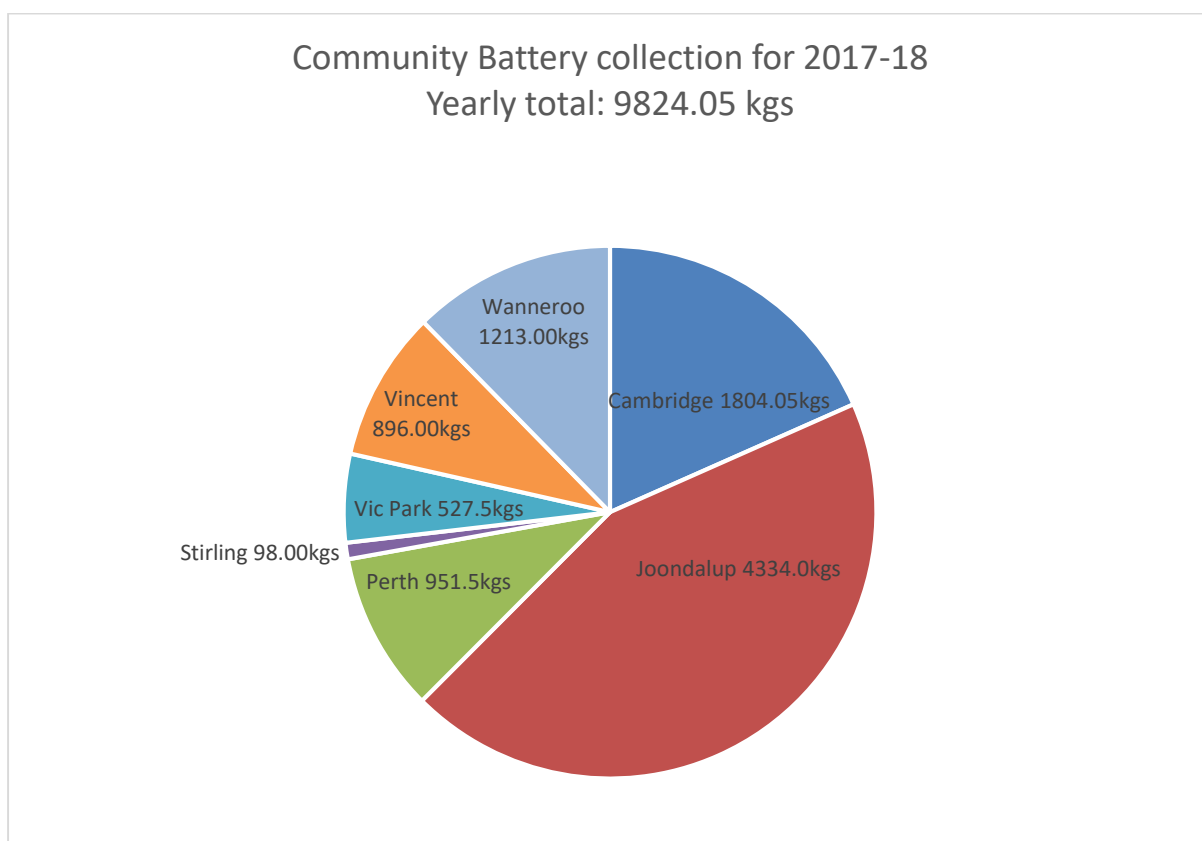
4. Community Programs

4.1 Battery Program

Batteries from school and community bins continued to be collected in large numbers. Importantly most of these batteries previously would have gone into the household green top wheelie-bin then to the RRF and the chemicals contained within ultimately into the compost. However large quantities of batteries are bought and disposed of and although the MRC is collecting and recycling tonnes of batteries it is only the tip of the iceberg.

The battery program is particularly important to MRC operations in that batteries have shown themselves to be the cause of many of the landfill fires at Tamala Park and they are still a significant problem at the RRF – providing a source of metals contamination.

Figures presented here are for the year 2017/18, with the first quarter 2018/19 figures becoming available in October.



As of July 2018 the City of Stirling has joined the MRC's program and will be reported here in the future.

The MRC currently has 95 schools in the program. The schools battery program continues to grow with 9 new schools being added this year.

Three battery assemblies were help to launch or relaunch battery recycling into the schools of Lake gwellup PS, Alkimos Beach PS and Marmion PS.

A further 59 schools have joined the program from the City of Stirling. The schools find it is a good way to engage students in a meaningful recycling program. From an MRC point of view it offers collection sites throughout the community and unlike the public battery collection bins the school ones are generally free of contamination.

The following is the MRC School Battery Program's top 25 schools for 2018 after the first two Terms. A full list of all participating schools and their ranking can be found on the MRC website.

MRC School Battery Program - League Table				
Total Batteries collected by Schools (kgs), Terms 1&2 2018				
Rank	Place	Term 1	Term 2	Total
1	St Mark's Anglican Community School	165.0	1.0	166.0
2	Sorrento Primary School	64.0	41	105.0

3	Kinross Primary School	0.0	70.0	70.0
4	Mercy College	40.0	28.0	68.0
5	Mullaloo Beach Primary School	33.0	34.0	67.0
6	Ashdale Primary School	27.0	38.0	65.0
7	Greenwood Primary School	32.0	20.0	52.0
8	Peter Moyes Anglican Community College	25.0	22.0	47.0
9	Mount Hawthorn Primary School	28.0	17.0	45.0
10	Carramar Primary School	20.0	19.0	39.0
11	Hillarys Primary School	24.0	13.0	37.0
12	East Butler Primary School	9.0	28.0	37.0
13	Halidon Primary School	16.0	18.0	34.0
14	Mullaloo Heights Primary School	22.0	11.0	33.0
15	Pearsall Primary School	18.0	15.0	33.0
16	Dalmain Primary School	23.0	8.0	31.0
17	North Woodvale Primary School	11.0	20.0	31.0
18	Madeley Primary School	7.0	22.0	29.0
19	Joondalup Education Support Centre	18.0	9.0	27.0
20	Mindarie Senior College	13.0	14.0	27.0
21	Craigie Heights Primary School	16.0	9.0	25.0
22	Quinns Rocks Primary School	13.0	12.0	25.0
23	Tapping Primary School	7.0	16.0	23.0
24	Quinns Baptist College	8.0	14.0	22.0
25	Lake Joondalup Baptist College	6.0	15.0	21.0

During the first two Terms of the school year the City of Stirling still operated its own school battery program and their figures are not included here.

4.2 Other Community Recycling Programs

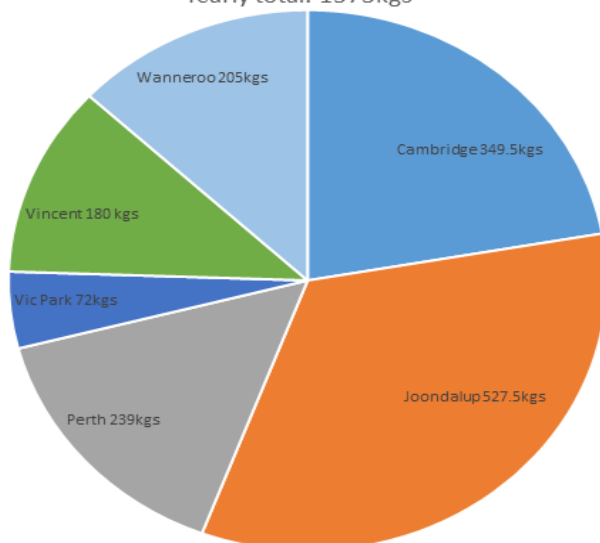
In addition to dry cell batteries there are a number of community recycling stations located throughout the region. These collect a range of problematic wastes, common household products that can't be disposed on in residential bins, like fluorescent globes, mobile phones and ink cartridges.

Totals for community collections from June 2017 to July 2018

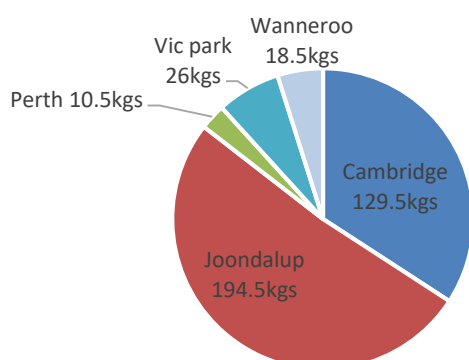
Council	Batteries (Kgs)	Globes CFL's (Kgs)	Mobile Phones (Kgs)	Ink Cartridge (Kgs)
Cambridge	1804.05	349.5	129.5	215
Joondalup	4334	527.5	194.5	179
Perth	951.5	239	10.5	33
Stirling	98	0	0	0
Vic Park	527.5	72	26	30
Vincent	896	180	0	0
Wanneroo	1213	205	18.5	47

As of July 2018 the City of Stirling has joined the MRC battery and small recyclables collection and will be reported here in the future.

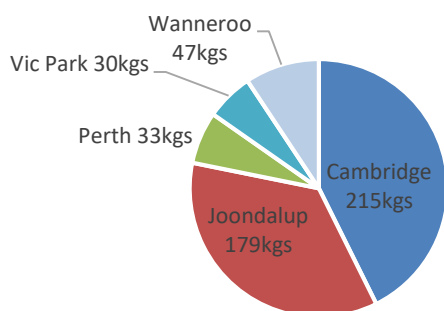
Community Globes CFL's collection 2017/18
Yearly total: 1573kgs



Community Mobile Phone collection
2017/18
Yearly total: 379kgs



Community Ink Cartridge collection 2017/18
Yearly total: 504



5. Waste Educator Groups

5.1 Waste Education Strategic Steering Group (WESSG)

The Waste Education Strategic Steering Group (WESSG) meets at the end of each month. These meetings continue to be an important forum for exchanging ideas and keeping everyone updated on happenings associated with waste within the MRC and its Member Councils. The issues have included:

- Energy from waste
- 3 bin systems, implementation
- FOGO
- No Glass in green lid bin
- Bulk verge collections
- Yellow lid recycling, consistent messaging

The Group has been invaluable in providing networking opportunity for its participants. People aren't confined to council boundaries so being aware of what is happening elsewhere is important in delivering messages to the community

The importance of Regional messaging remains on the agenda as does the Groups role in dealing with regional waste issues. Many events and activities within the Region occur regularly with WESSG playing an important role in streamlining communications, messaging and coordination between both the MRC and the Member Councils and the Member Councils themselves. These include:

- Plastic Free July
- Garage Sale Trail
- Recycling Week

The MRC also attends events in support of and/or on behalf of member councils. With displays at these events, shows, fairs within the different member council areas it is important that MRC education staff are informed of the different councils waste issues to ensure accurate information is passed onto residents.

The monthly meetings saw discussions on MRC's strategic direction and included how the 'Face Your Waste' campaign fits in with this. These discussions included looking how this campaign could be used within individual councils and how it aligned with council waste management/minimisation plans. The Group provided both content and feedback on elements of the campaign.

The MRC and City of Vincent have formed a partnership with Central TAFE, where media students are producing, with the full backing of TAFE resources, video segments to support and be used in the Face Your Waste campaign. Eight groups have presented concepts to be developed as part of their course as the year progresses.



5.2 Waste Educators Working Group & Networking Groups (WEWG/WENG)

Meetings were held at the end of each month. Apart from providing networking opportunities and the sharing of resources and ideas, topics of discussion included:

- State Waste Strategy
- Plastic Bag Ban
- Yellow lid recycling consistent communications
- Container Deposit Scheme
- Face Your Waste
- Perth Royal Show

Brief activity reports from those in attendance are also made, this giving the group a good overview of what is happening in the waste education field across the State.