



INFORMATION BULLETIN

**Issue No. 43
September 2018**



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RESOURCE RECOVERY FACILITY UPDATE REPORT	
File No:	WST/13-07
Attachment/s:	Nil
Date:	8 August 2018
Prepared by:	Acting Director Corporate Services

This report presents a summary of activities that have taken place in the reporting period covering 15 June 2018 to 8 August 2018.

OPERATIONAL MATTERS

No Operational issues to report in June and July 2018.

OPERATIONAL INFORMATION

Waste Delivery

Waste Delivery Summary for Reporting Period

MONTH	SCHEDULED TONNES	DELIVERED TONNES	DIFFERENCE TONNES
June 2018	8,400	9,067	667
July 2018	8,800	9,624	824

For the completion of the 9th Contract Year ending 15 July 2018, the RRF was 5,573 tonnes ahead of schedule as a result of additional throughput at the plant.

For the 10th Contract Year, for the period ended 31 July 2018, the RRF was 538 tonnes ahead of schedule as a result of additional throughput at the plant.

The RRF is operating as anticipated in the Resource Recovery Facility Agreement (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 past six months (February 2018 to July 2018) was 50.7% with a Waste Diversion Target of 51.3%.

Community Complaints

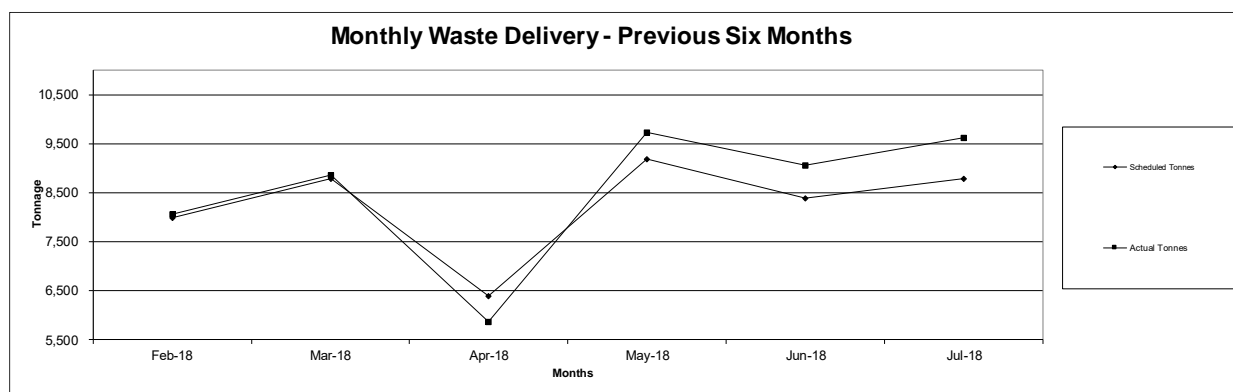
BioVision conducted a tour for its community stakeholders in July 2018, the Chairman of the Banksia Grove Residents Association accompanied by nine of its members. The group was given a full facility overview to help them gain a better understanding of the RRF operations. During the presentation, residents were informed of the numerous odour generating sources identified on the Neerabup industrial estate, possible impacting their neighbouring housing development.

COMMUNITY COMPLAINTS SUMMARY FOR THE REPORTING PERIOD

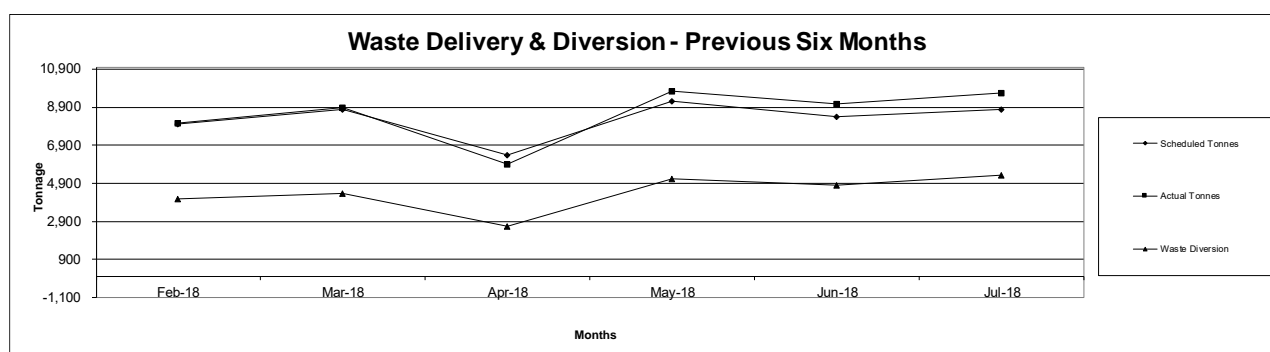
Date	Complaint	From	Outcome
June 18	None	N/A	N/A
July 18	None	N/A	N/A

The graphs below provide data up to **31 July 2018**.

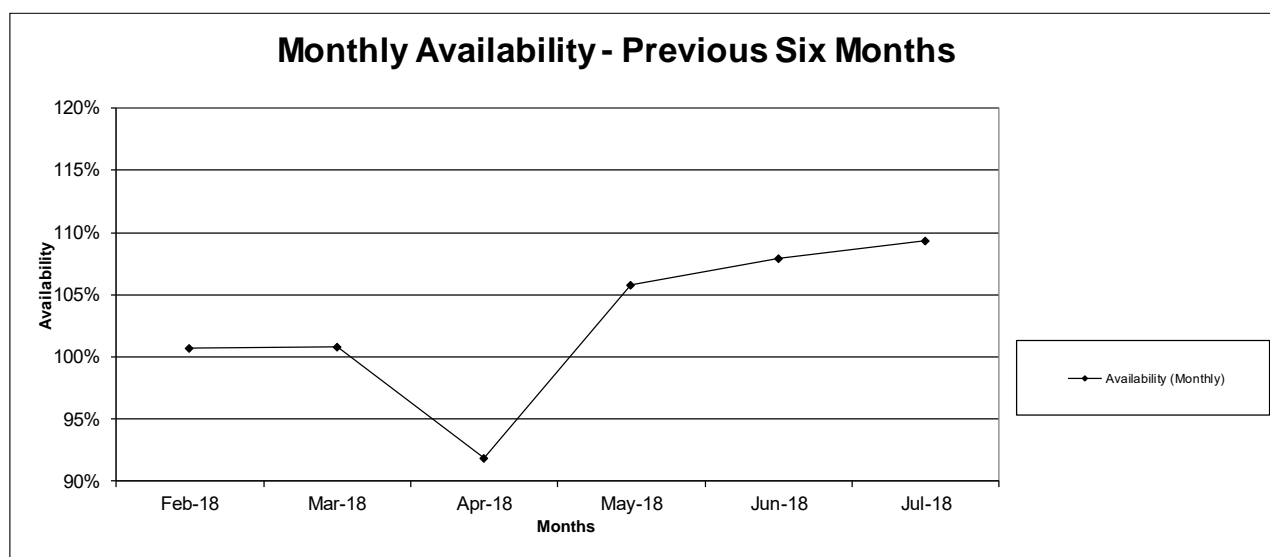
Graph No. 1 – Monthly Waste Delivery – Previous Six Months

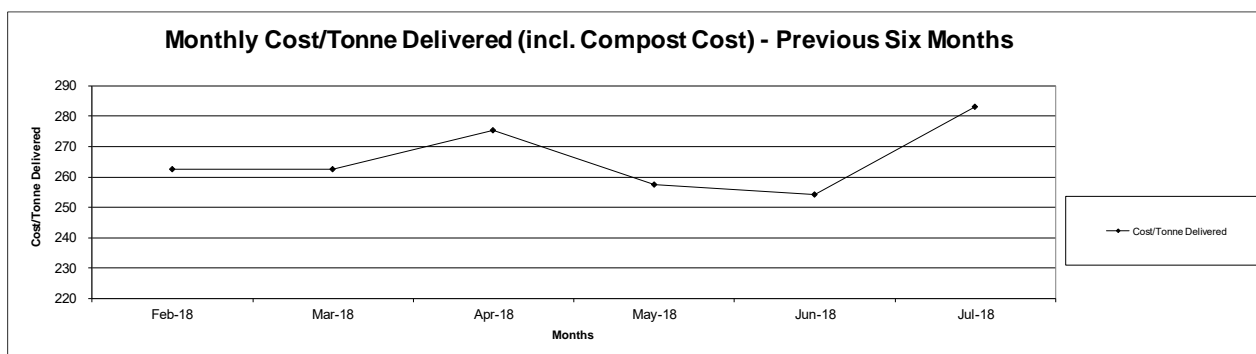
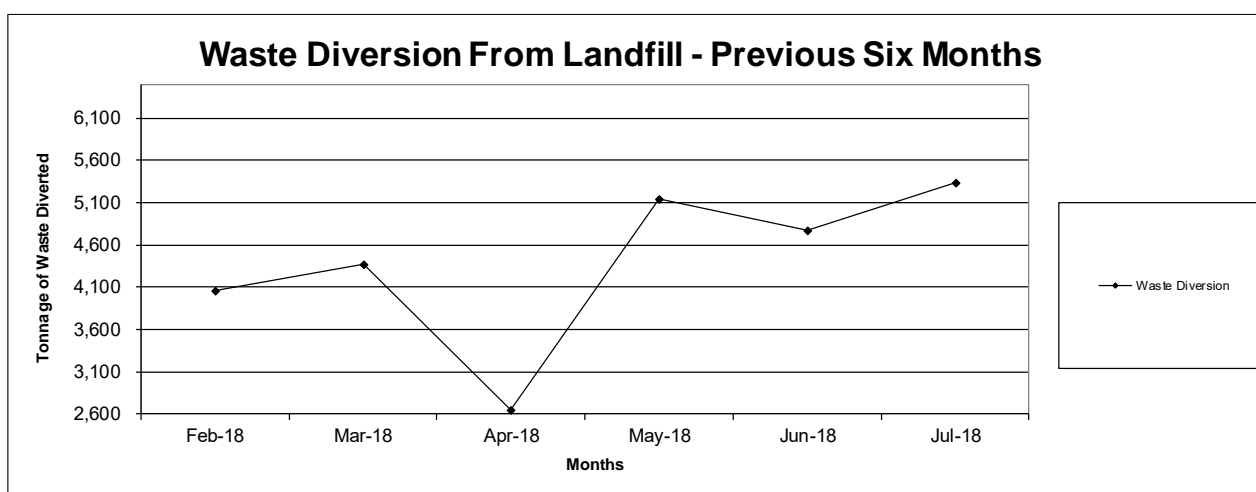


Graph No. 2 – Waste Delivery & Diversion – Previous Six Months



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 31 July 2018)

KPI	Target	Previous 6 Months	June	July
Availability*	95%	102.8%	108%	109%
Environmental Standard - Number of Breaches	0	0	0	0
Waste Diversion	51.3%	50.9%	52.7%	55.5%
Quality of Compost - Number of Breaches**	0	0	0	0
Quantity of Recyclable Packaging ***	1.2%	1.5%	1.6%	1.9%
Health and Safety - Number of LTI's	0	0	0	0
Community Acceptance - Number of Complaints ****	0	0	0	0
Project Culture - PAG Chairperson Score	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.

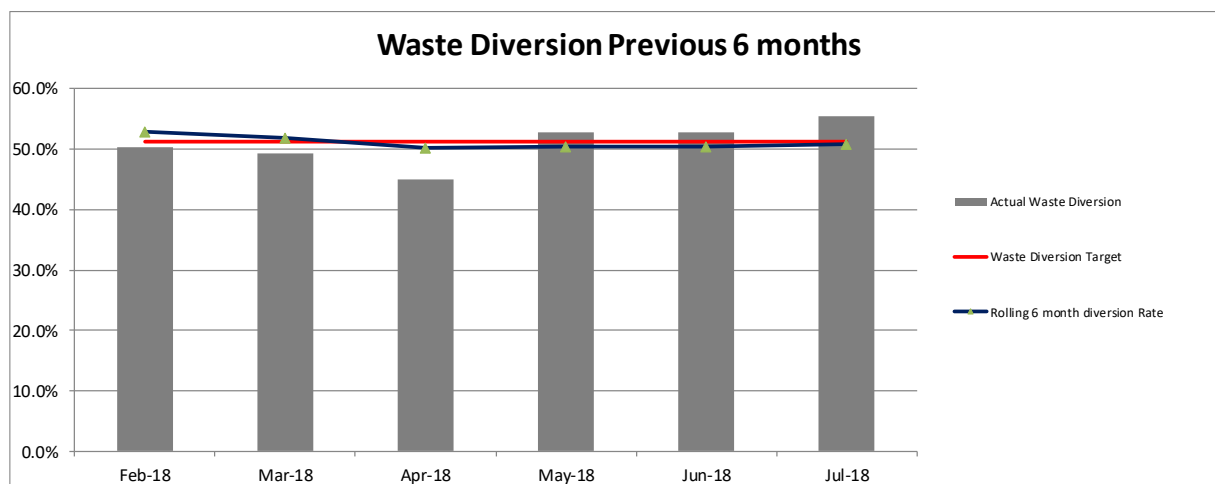
** The compost standard within the RRFA was amended by the revisions to the RRFA approved by Council at its meeting of 6 December 2012 and signed under common seal in May 2013.

*** 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 (February 2018 2017 to July 2018) has been 50.9%.



Project Advisory Group (PAG) as at 8 August 2018

MRC Representatives:

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

BioVision Representatives:

Craig Barker
 Nial Stock
 Frank Sciarrone (apology)
 Alan Turner
 Emmanuel Vincent (apology)

Chairperson:

Ian Watkins

The PAG last met on 8 August 2018.

Items dealt with by the group included:

- The impact of 3 bins systems to the facility
- BioVision Monthly Report/Update
- Insurances

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 31 July 2018

Mindarie Regional Council OPERATING STATEMENT For the month ended 31 July 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)	10,600	883	815	9,785	92.31%
Window cleaning	2,000	-	-	2,000	100.00%
	12,600	883	815	11,785	93.53%
Information System Expenses					
Computer System Maintenance					
ICT contractors costs	2,000	-	-	2,000	100.00%
Newcastle Weighing Services-Gen Maintenance	11,500	958	869	10,631	92.45%
Vertical Telecom P/L-Maint of Microwave Ant	8,000	500	435	5,565	92.75%
	19,500	1,458	1,304	18,196	93.31%
Building Maintenance					
Building Maintenance					
Airconditioning Maintenance	3,000	-	-	3,000	100.00%
Community Education Centre	2,000	-	-	2,000	100.00%
Weighbridge and Calibration	7,500	-	-	7,500	100.00%
Building Security					
Security - Monitoring	-	-	-	-	
Security - Alarm maintenance	-	-	-	-	
Security - call out	-	-	-	-	
	12,500	-	-	12,500	100.00%
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%
Vermis control	500	-	-	500	100.00%
Spills/leaks/incident management	500	-	-	500	100.00%
Vehicle Wash Facility Operations	-	-	-	-	
Landscaping and Gardens	6,000	-	-	6,000	100.00%
Compost Disposal	433,500	39,000	38,753	394,747	91.06%
Contractor's Fees	28,338,000	2,607,096	2,698,537	25,639,463	90.48%
RRF Maintenance Funding	250,000	-	-	250,000	100.00%
	29,050,500	2,649,656	2,742,150	26,308,350	90.56%
Utilities					
Electricity	15,800	420	420	15,380	97.34%
Rates	108,894	9,075	8,920	99,974	91.81%
	124,694	9,495	9,340	115,354	92.51%
Insurance					
Municipal Property Insurance	3,500	292	293	3,207	91.62%
Public Liability Insurance	5,650	470	443	5,207	92.15%
	9,150	762	737	8,413	91.95%
Cost of Borrowings					
Interest on Loans					
Loan 10A	56,088	5,075	4,277	51,811	92.37%
Loan 10B	-	-	-	-	
Loan 10C	-	-	-	-	
Loan 11	-	-	-	-	
Loan Expenses	-	-	-	-	
	56,088	5,075	4,277	51,811	92.37%
Amortisations					
Amortisation Pre-operating Costs	104,784	8,732	8,732	96,052	91.67%
Amortisation Costs	358,007	29,833	29,833	328,174	91.67%
	462,791	38,565	38,565	424,226	91.67%
Depreciation					
Depreciation on Building	25,124	2,093	2,094	23,030	91.67%
Depreciation on Infrastructure	26,697	2,224	2,906	23,791	89.12%
	51,821	4,317	4,999	46,822	90.35%
Total Operating Expenditure	29,799,644	2,710,210	2,802,187	26,973,666	90.52%
Net Total	(29,799,644)	(2,710,210)	(2,802,187)	(26,973,666)	90.52%



Communications and Education Report

June 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 2017/2018.

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 being launched.

Taking place at the same time was the development and production of a number of high profile engagement pieces along with supporting outdoor, print and digital media advertising. This to engage and capture peoples interest then direct them to a dedicated Face Your Waste website 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.**



The central engagement piece at the launch were 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.



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 and appeared in online tabloids in London.

Features focussing on Face Your Waste also appeared in:

- The West Australian, World Environment Day;
- Kids in Perth - Parents Paper (April to June editions)
- Offspring magazine (Winter edition)

In June the clear bins were deployed in the City of Stirling and City of Vincent. The supporting media campaign, print and online, was targeted into these Cities.

By the end of June over 300 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.

The bin is the property of Face Your Waste.
Where possible, please take care of the bin
to avoid it being damaged.

2

Handy FYW reusable bags were produced to help people engage with the State's plastic bag ban and push the use to reusable bags.

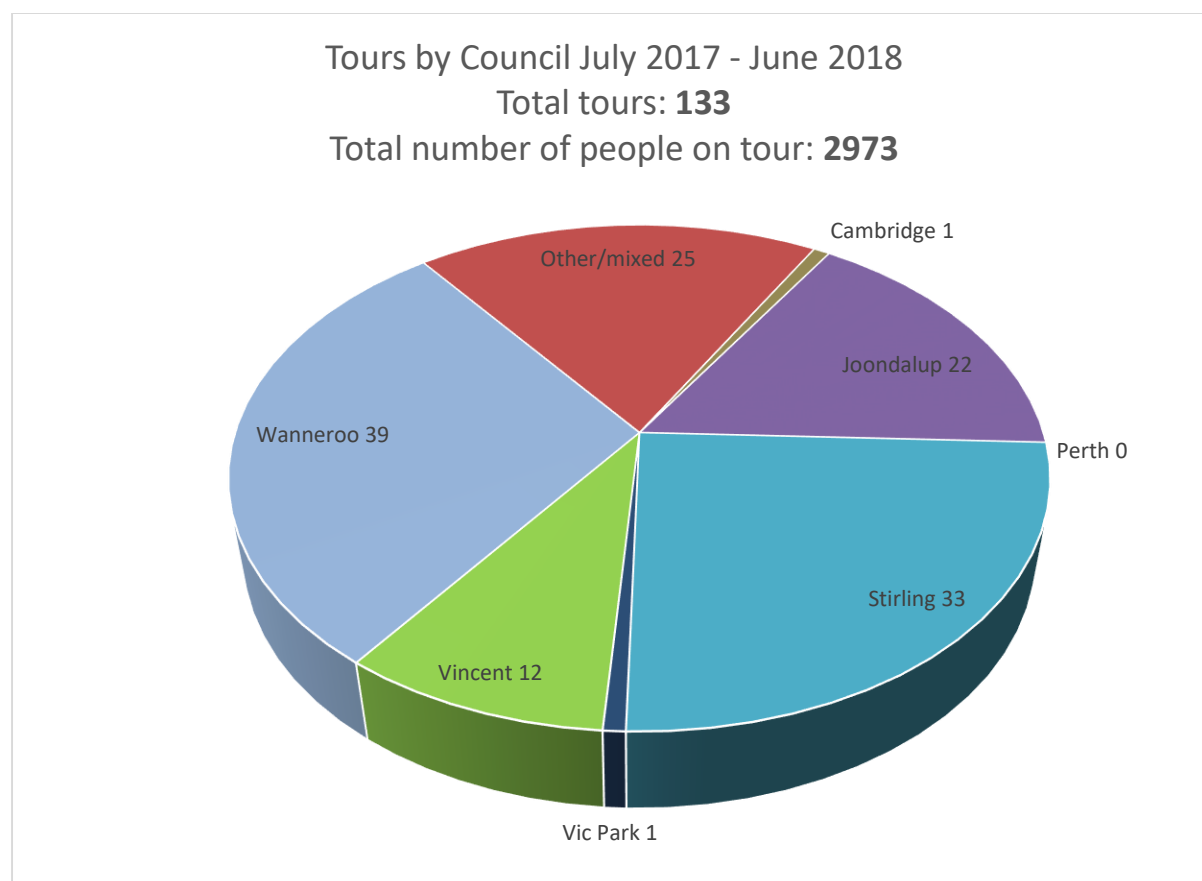


3. Community Engagement

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 2017/2018 year 133 tours took place with 2,973 people viewing the facilities and learning about how we deal with waste.



Of the tours about half were school groups with most coming to Tamala Park.

TOURS BY GROUP	
	Number
Business	20
Community	33
Schools	76
Out of School	0
Tertiary	4
TOTAL	133

TOURS BY LOCATION	
	Number
Tamala Park	110
RRF	7
TP & RRF	16
TP & Balcatta	0
TP, RRF & Gas & Landfill	0
TOTAL	133

The quality of MRC facilities and tours was acknowledged where WALGA chose Tamala Park and RRF to host its Councillors tour/workshop and Tamala Park as the venue for its Cert III waste industry training.

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.

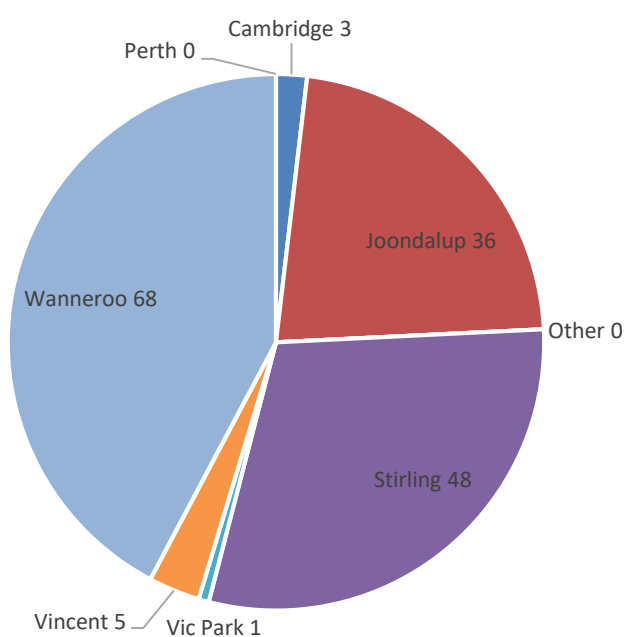
The MRC Education Team have continued to developing a closer working relationship with Waste Wise Schools with the purpose of delivering a broader and more consistent waste education program into schools throughout the region.

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.

Total number of people taking part from Schools and Early Learning Centres and workshops in the 2017/2018 year was 7536.

Visit to Schools and Early Learning Centres
June 2018 - July 2018
Total visits: **161**



TOTAL VISITS, TALKS, WORKSHOPS 2017 - 18	
	Number of Attendees
Battery Assembly	1382
Composting, Worms & Gardens	2926
Nude Your Food	103
Waste & Recycling Talks	2799
Waste Audit	326
Other	2
TOTAL	7536

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.

DAY CARE/ OUT OF SCHOOL VISITS, TALKS, WORKSHOPS 2017 – 18	
	Number of Attendees
Composting, Worms & Gardens	776
Waste & Recycling Talks	355
TOTAL	1131

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 2017-18	
	Number
Cambridge	12
Joondalup	42
Perth	9
Stirling	59
Victoria Park	5
Vincent	7
Wanneroo	76
Other	1
TOTAL	211

TYPES OF TALKS 2017-18	
	Number
Battery assembly	5
Composting, worms & gardens	114
Nude Your Food	2
Waste & recycling	80
Waste Audit	10
TOTAL	211

COMMUNITY VISITS, TALKS, WORKSHOPS 2017 - 18	
	Number
Composting, worms & gardens	911
Waste & recycling	553
TOTAL	1464

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.

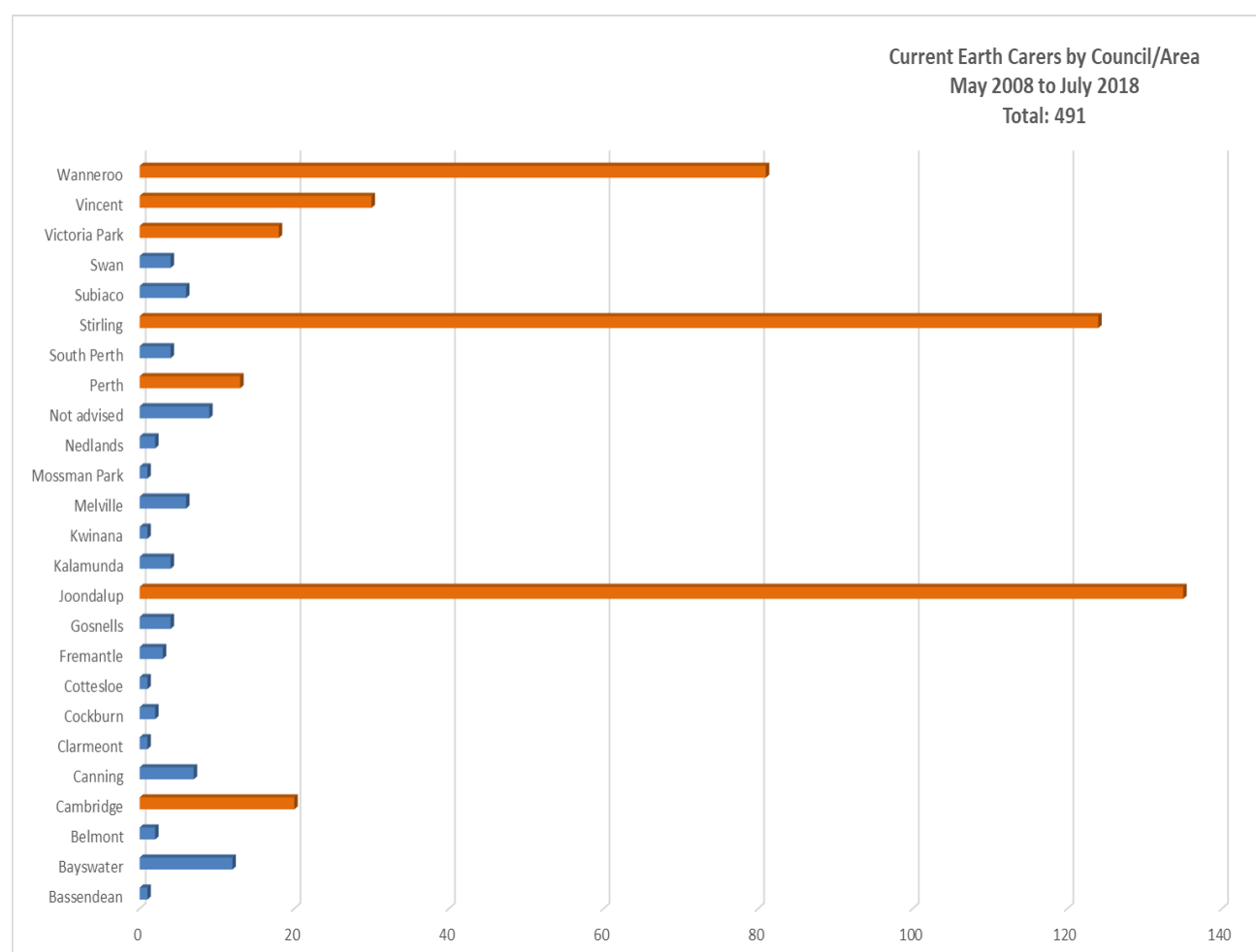
ROAMING RECYCLER EVENTS	
	No Days Out
Cambridge	8
Joondalup	8
Perth	6
Stirling	11
Victoria Park	5
Vincent	8
Wanneroo	13
Other	3
TOTAL	62

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 495 people have completed the MRC Earth Carer training courses and of them over 400 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 March 2018 training course had 35 people attend and 33 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			
	Courses	Participants	Graduated
Earth Carers	2	73	70
EC Advanced	1	23	18
EC Kids	2	28	N/A

EARTH CARER EVENTS/TALKS			
	No of Course sessions	No of Events	No of Attendees
Earth Carers	12	7	333
EC Advanced	4	7	283
EC Kids	4	2	28

To start the new year off Earth Carers were sent a newsletter 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 700 followers currently engage with the Earth Carers North page.

To 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.

Composting in May is a month dedicated to diverting organic waste from landfill. Included in this month is International Compost Awareness Week (ICAW) but a week doesn't seem long enough to celebrate the importance of composting both to the waste industry and the environment in general. During this week a number of compost related workshops were held across the region. The MRC workshops attracted nearly 200 participants.

Boomerang Bag sewing sessions took place weekly, producing reusable shopping bags from curtains and clothing dropped off at the Tamala Park tip shop. This activity was an excellent precursor to the Plastic Bag Ban that was introduced on 1st July 2018, making people think about alternatives to plastic bags.

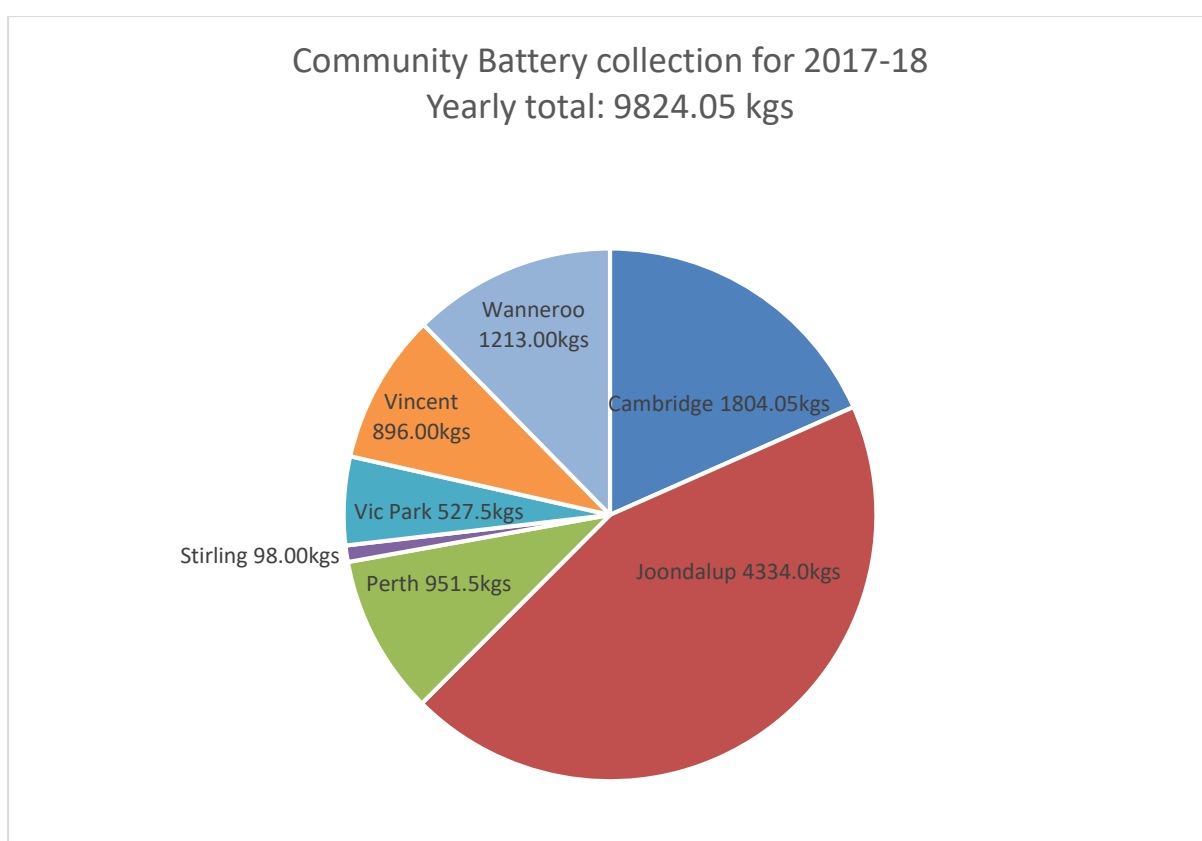
Resource Rescuers is an Earth Carers program for school aged children. A two day workshop event was held at the Tamala Park Education Centre during the April School Holidays. Ten children attended and engaged in a number of fun activities that encouraged them to look at waste that is produced and to get them thinking about how waste could be minimized and reused.

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.



Note* An increase of 1807.55kgs of batteries collected during 2017-18 in comparison to 2016-17

As of July 2018 the City of Stirling will join 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. 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 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

In this reporting period the City of Stirling still operated its own school battery program and their figures are not included here.

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

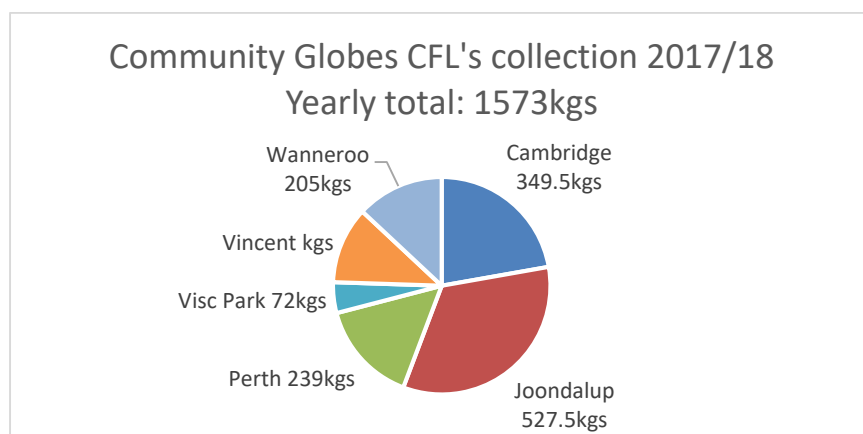
4.2 Other Community Recycling Programs

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.

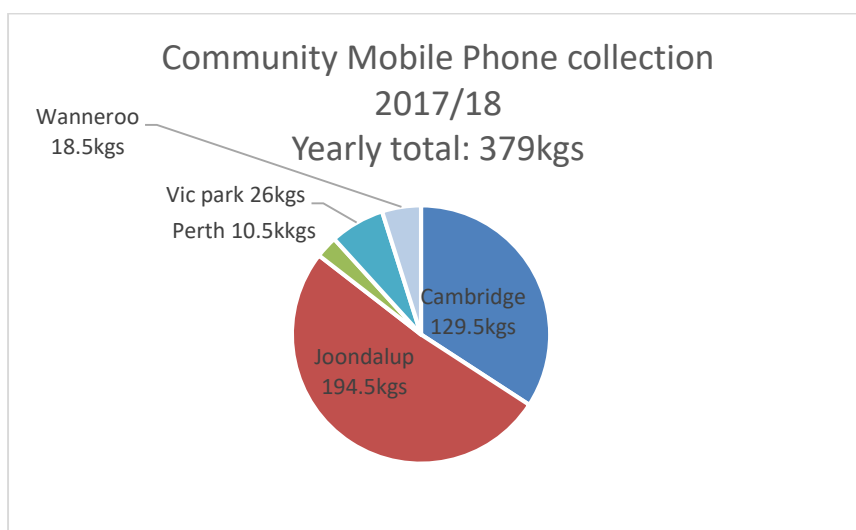
Totals for community collections from June 2017 to July 2018

Council	Batteries	Globes CFL's	Mobile Phones	Ink Cartridge
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

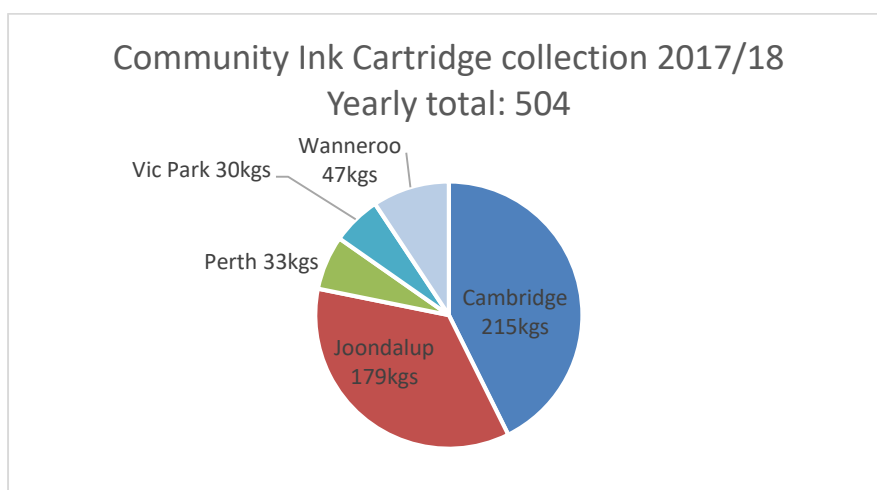
As of July 2018 the City of Stirling will be joining the MRC battery and small recyclables collection and will be reported here in the future.



Note* An increase of 735kg CFL globes collected during 2017-18 in comparison to 2016 -17



Note* An increase of 203kg mobile phones collected during 2017-18 in comparison to 2016-17



Note* An increase of 228.5kg Ink Cartridges collected during 2017-18 in comparison to 2016-17

4.3 No Glass Campaign

The campaign to divert glass from the green top bin to reduce glass contamination in the organic soil conditioner produce at the RRF continued through these months with messaging on the City of Wanneroo waste trucks and in various community publications, including Kids in Perth and the Northern Guide (Jindalee, Butler, Quinns Rocks, Ridgewood, Merriwa, Clarkson & Mindarie).

This campaign whilst initially very effect has in recent times seen glass levels in the RRF produced composted organic soil conditioner level out and maintained slightly above the accepted Australian Standard for glass and hard plastics in this product.

The No Glass campaign going forward will be incorporated under the Face Your Waste banner as one of the many waste issues confronting residents.

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
- FOGO
- No Glass in green lid bin
- Bulk verge collections
- Yellow lid recycling

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:

- Compost in May
- Plastic Free July
- Garage Sale Trail
- Recycling Week

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
- Waste Authority Community and Industry Engagement (CIE) grants
- Face Your Waste
- Perth Royal Show
- 10 week bin transformation

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.