



INFORMATION BULLETIN

**Issue No. 51
September and October 2019**



CONTENTS PAGE

Item	Page No.
RRF Update Report	3
Communications and Education Update Report	11

RRF Update Report for reporting period October 2019

RESOURCE RECOVERY FACILITY UPDATE REPORT	
File No:	WST/13-09
Attachment/s:	Nil
Date:	25 NOVEMBER 2019
Prepared by:	DIRECTOR CORPORATE SERVICES

This report presents a summary of activities that have taken place in the reporting period covering 1 October 2019 to 31 October 2019.

OPERATIONAL MATTERS

No operational matters to report in month.

OPERATIONAL INFORMATION

Waste Delivery

Waste Delivery Summary for Reporting Period

MONTH	SCHEDULED TONNES	DELIVERED TONNES	DIFFERENCE TONNES
October 2019	9,200	8,913	287

For the 11th Contract Year, for the period to 31 October 2019, the RRF was 1,721 tonnes ahead of schedule as a result of additional throughput at the plant.

The RRF is operating as anticipated in the RRFA, with average availability of 106% 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 (October 2019) was 42.5% against a Waste Diversion Target of 51.3%, noticeably lower due to the change of waste stream being processed at the facility.

Community Complaints

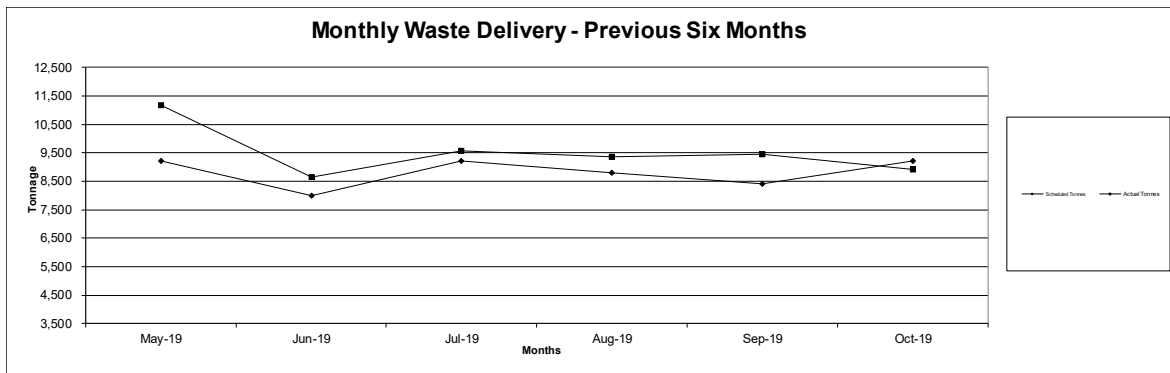
BioVision is continuing engagement with the selected key stakeholders, in particular the Banksia Grove development and the Wanneroo Golf Course.

COMMUNITY COMPLAINTS SUMMARY FOR THE REPORTING PERIOD

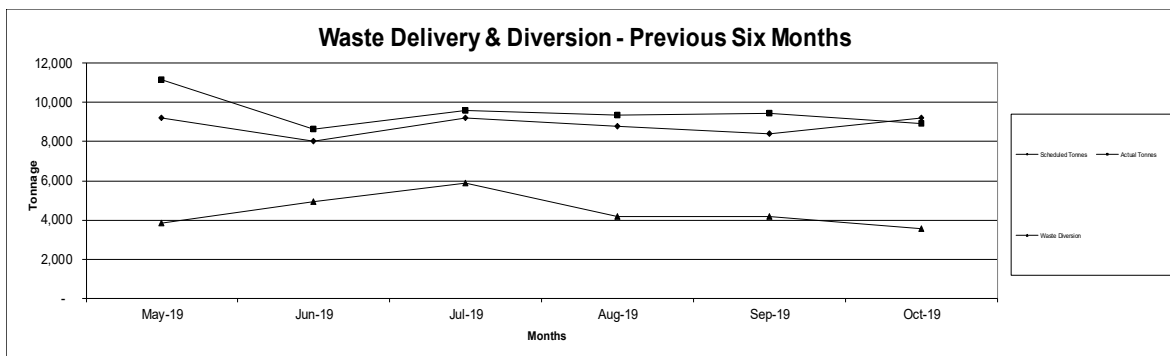
Date	Complaint	From	Outcome
October 2019	None	N/A	N/A

The graphs below provide data up to **31 October 2019**.

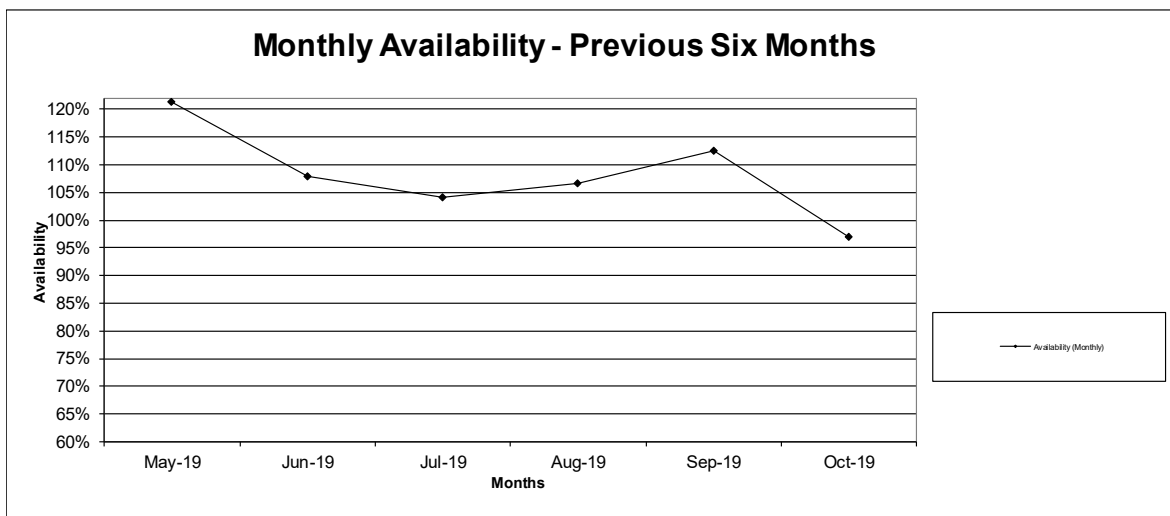
Graph No. 1 – Monthly Waste Delivery – Previous Six Months



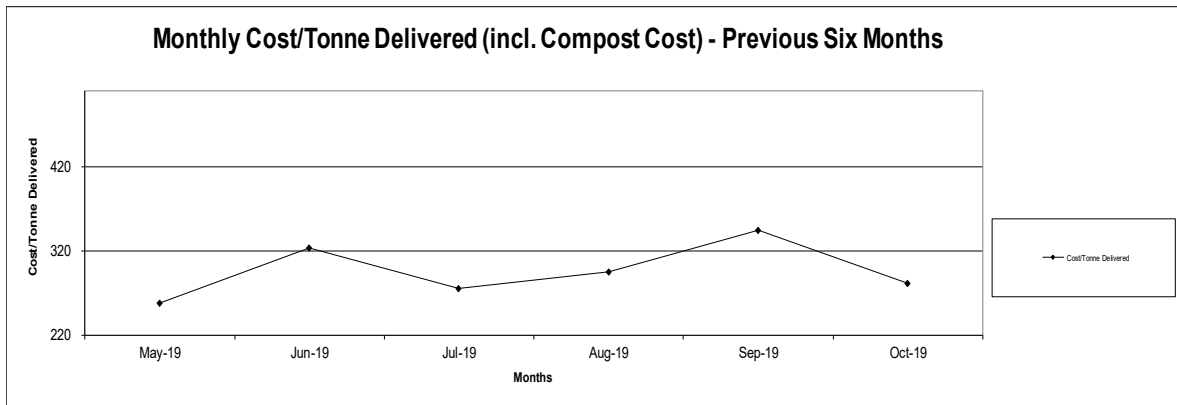
Graph No. 2 – Waste Delivery & Diversion – Previous Six Months



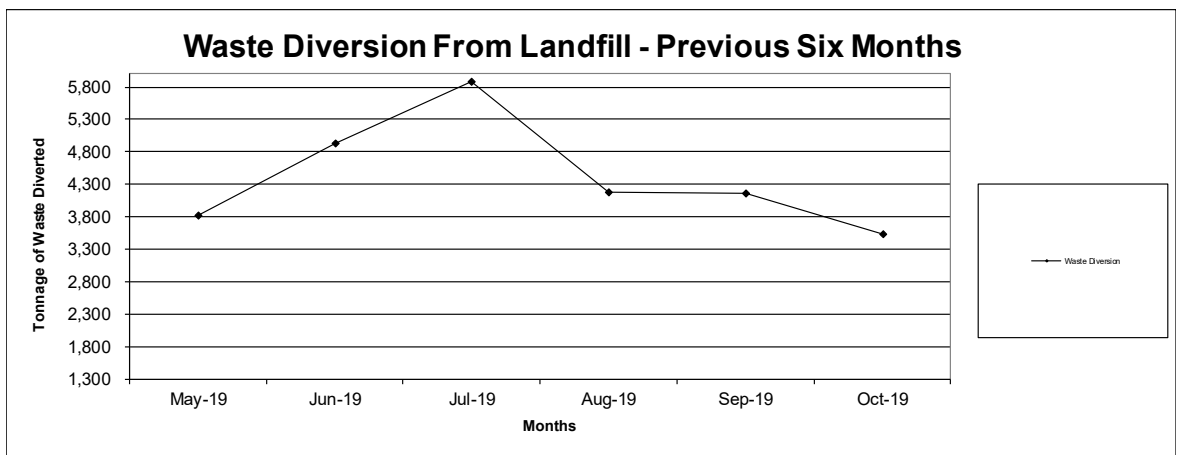
Graph No. 3 – Monthly Availability – Previous Six Months



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 October 2019)

KPI	Target	Previous six months	October
Availability*	95%	108.2%	97%
Environmental Standard - Number of Breaches	0	0	0
Waste Diversion****	51.3%	42.5%	39.6%
Quality of Compost - Number of Breaches**/*****	0	2	0
Quantity of Recyclable Packaging***	1.2%	1.4%	1.10%
Health and Safety - Number of LTI's	0	0	0
Community Acceptance - Number of Complaints ****	0	0	0
Project Culture - PAG Chairperson Score	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.

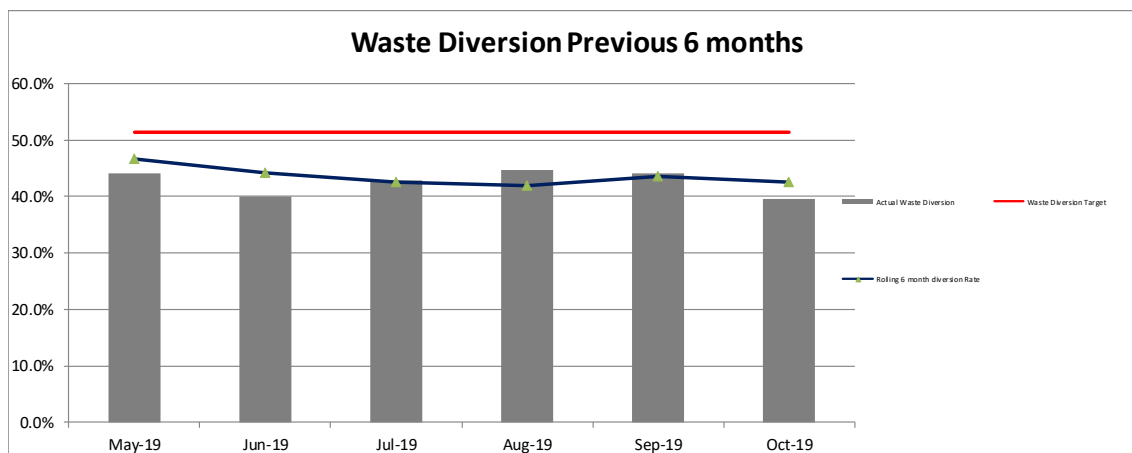
*** Financial impacts of the KPI were removed by the revisions to the RRFA approved by Council at its meeting of 6 December 2012 and signed under common seal in May 2013. Ferrous diversion has recommenced.

**** 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.

*****KPI's were suspended and closely monitored as City of Joondalup transition to a change in bin system (3 bins).

Waste Diversion

The average waste diversion for the past six months (May 2019 to October 2019) has been 42.5%.



Project Advisory Group (PAG)

MRC Representatives:

Cr Dot Newton JP
 Gunther Hoppe (CEO)
 Andrea Slater (DCS)
 Cr Frank Cvitan JP (alternative)

BioVision Representatives:

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

Chairperson:

Ian Watkins

The PAG last met on 23 October 2019

Items dealt with by the group included:

- Maintenance deed update
- BioVision Monthly Report/Update
- Waste Diversion (3 bin system impact)
- Contractual amendments
- BioVision Auditor reports

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 2019/20 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 2019/20 Financial Year – for the period ended 31 October 2019

OPERATING STATEMENT For the month ended 31 October 2019

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	10,000	2,663	2,663	7,337	73.37%
	10,000	2,663	2,663	7,337	73.37%
Office Expenses					
Cleaning of Buildings					
General cleaning (Enviro Care)	12,000	4,000	1,662	10,338	86.15%
Window cleaning	-	-	-	-	
	12,000	4,000	1,662	10,338	86.15%
Information System Expenses					
Computer System Maintenance					
ICT contractors costs	2,000	-	-	2,000	100.00%
Newcastle Weighing Services-Gen Maintenance	12,000	4,000	3,475	8,525	71.04%
Vertical Telecom P/L-Maint of Microwave Ant	6,000	2,000	1,763	4,237	70.62%
	20,000	6,000	5,238	14,762	73.81%
Building Maintenance					
Building Maintenance					
Airconditioning Maintenance	3,000	-	-	3,000	100.00%
Septic system maintenance	4,000	-	-	4,000	100.00%
Community Education Centre	3,000	294	294	2,706	90.20%
Weighbridge and Calibration	7,500	-	-	7,500	100.00%
Building Security					
Security - Monitoring	-	-	86	(86)	
	17,500	294	380	17,120	97.83%
RRF Operation Expenses					
Fencing and Gate Maintenance					
Fencing and Gate Maintenance	9,000	252	252	8,748	97.20%
Repair of Boom Gate	1,000	-	-	1,000	100.00%
Access control infrastructure maintenance	3,000	85	85	2,915	97.18%
Road Maintenance	5,000	-	-	5,000	100.00%
Bores and Pipework					
Bore maint/calibration/electronics	4,500	1,214	1,214	3,286	73.02%
Groundwater sampling	4,000	-	-	4,000	100.00%
Bacteria sampling	1,000	1,000	1,763	(763)	(76.28%)
Vermin control	500	-	-	500	100.00%
Spills/leaks/incident management	500	-	-	500	100.00%
Landscaping and Gardens	5,000	-	-	5,000	100.00%
Compost Disposal	461,475	99,940	99,940	361,535	78.34%
Contractor's Fees	29,578,500	11,102,365	11,103,505	18,474,995	62.46%
RRF Maintenance Funding	250,000	-	-	250,000	100.00%
	30,323,475	11,204,856	11,206,758	19,116,717	63.04%
Utilities					
Electricity	15,800	2,576	1,680	14,120	89.37%
Rates	114,339	38,115	33,056	81,283	71.09%
	130,139	40,691	34,736	95,403	73.31%
Insurance					
Municipal Property Insurance	3,800	1,264	1,364	2,436	64.11%
Public Liability Insurance	5,650	1,882	1,859	3,791	67.11%
	9,450	3,146	3,222	6,228	65.90%
Cost of Borrowings					
Interest on Loans					
Loan 10A	48,716	17,266	17,266	31,450	64.56%
Loan Expenses	-	-	-	-	
	48,716	17,266	17,266	31,450	64.56%
Amortisations					
Amortisation Pre-operating Costs	104,784	34,928	34,928	69,856	66.67%
Amortisation Costs	358,007	119,335	119,335	238,672	66.67%
	462,791	154,263	154,263	308,528	66.67%
Depreciation					
Depreciation on Building	25,123	8,372	12,172	12,951	51.55%
Depreciation on Infrastructure	34,871	11,623	14,394	20,477	58.72%
	59,994	19,995	26,566	33,428	55.72%
Total Operating Expenditure	31,094,065	11,453,174	11,452,755	19,620,834	63.10%
Net Total	(31,094,065)	(11,453,174)	(11,452,755)	(19,620,834)	63.10%

Communications and Education Update Report September and October 2019



Communications and Education Report

September and October 2019

CONTENTS	Page
1. Summary	1
2. Introduction	2
3. Strategic Projects	
3.1 Face Your Waste	3
4. Community Engagement	
4.1 Tours	9
4.2 Visits, Talks & Workshops	11
4.3 Events/Displays	13
4.4 Earth Carers	15
4.5 Community Engagement/Communication	15
5. Community Programs	
5.1 Battery Program	17
5.2 Other Community Recycling Collections	20
6. Waste Education Groups	
6.1 WESSG	21
6.2 WEWG/WENG	21

1. Summary

During the September/October reporting period the Mindarie Regional Council's (MRC) Education Team achieved the following:

September results

Number of activities	49
Number of people engaged	4,048
Measured reach of people exposed to messaging	333,952

October results

Number of activities	47
Number of people engaged	5,989
Measured reach of people exposed to messaging	317,500

These winter months are traditionally low periods of engagement with community activity being concentrated during the warmer months of the year.

This report will look to describe the MRC's education activity for the period of September and October 2019.



2. Introduction

The 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, and
- encourage engagement on many levels to have waste dealt with as high on the waste hierarchy as is practicable.

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) 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.



3. Strategic Projects

3.1 Face Your Waste

April 2018 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.

In support was a number of advertising channels - 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.

The clear bins were initially very much the face of the campaign; we knew we had something special with everyone getting very excited by them. The campaign exceeded expectations, gaining considerable local and worldwide attention.

The clear bins have also shown themselves to be significant drivers of good waste behaviours. Everywhere the bins have been located has seen people taking care and actively trying to sort waste into the right bin. Responses have also included people looking at their waste and making conscious decisions to purchase differently.

FACE YOUR WASTE 'PUT YOUR BIN ON A DIET' 2019/2020

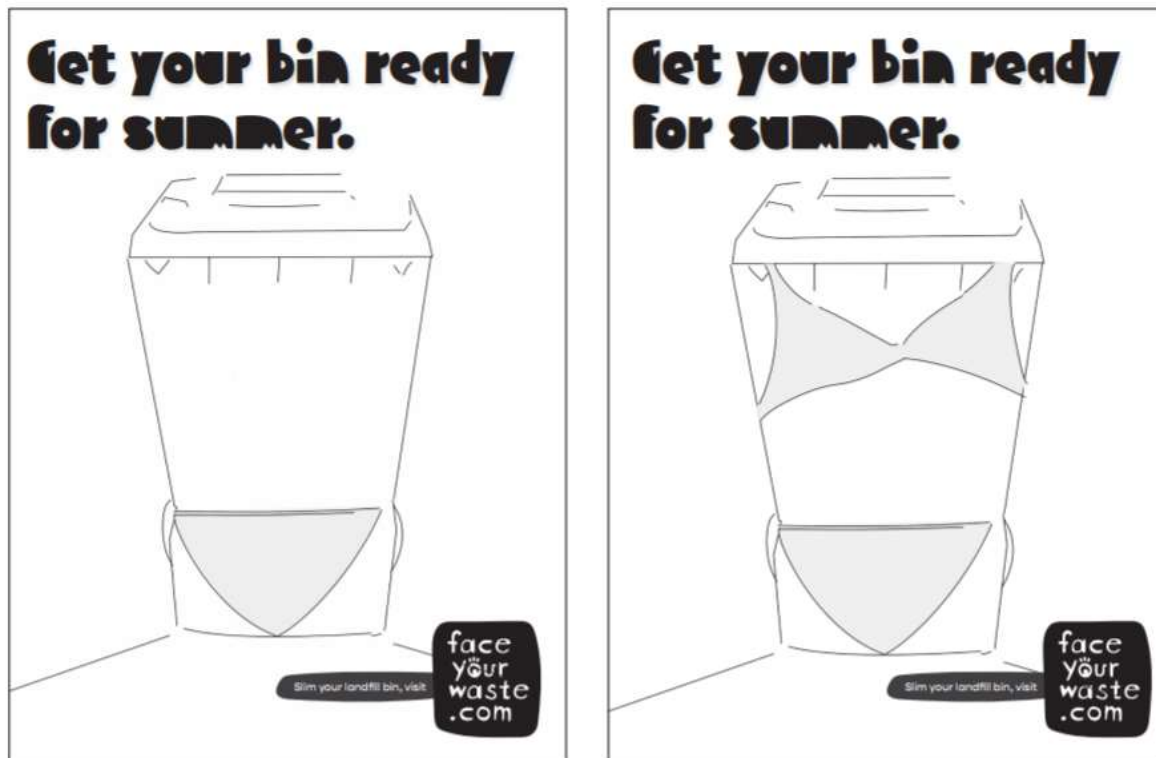
The next phase of the Face Your Waste project looks to build on the general awareness of needing to reduce the amount of waste we produce. The clear bins had people looking at the waste they produced and make decisions on which bin to use when disposing of waste.

This showed reduced contamination in the bins and also had people seeing the excesses of some waste types, in particular plastics and packaging in general, encouraging them to reduce the purchase of certain packaging types.

The campaign focus now moves on to encouraging people to focus on losing weight from their bin and getting it back into shape. Using analogies with human health kick campaigns, asking people to 'slim their bin', and 'reduce their waste line'.



A series of adverts have been developed with a weight loss/get into shape focus. The website has been updated and a new advertising campaign initially in shopping centres and on Facebook has been developed.



Measuring impact

A key part of any behaviour change program, such as Face Your Waste, is the ability to measure the impact of the program.

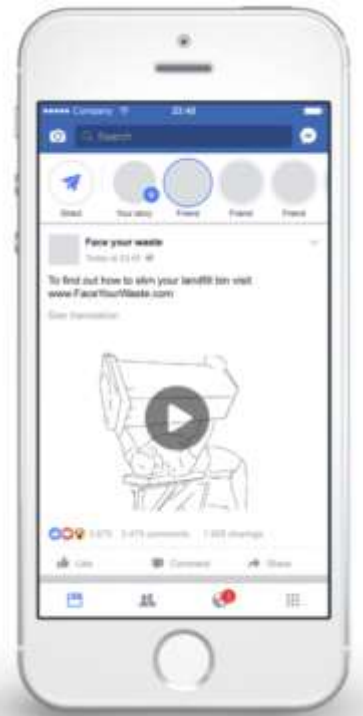
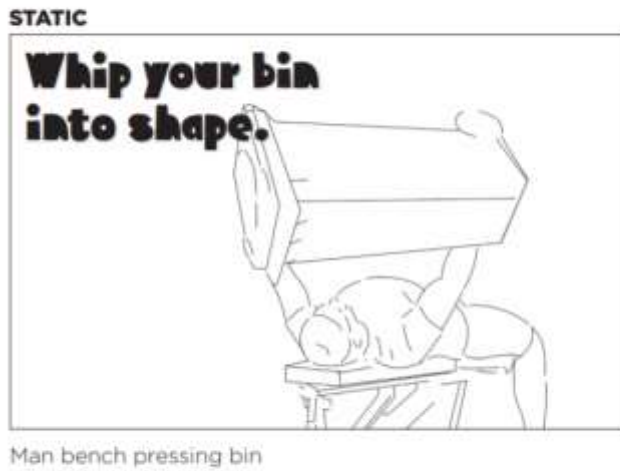
As a part of the Face Your Waste campaign, weights and waste volumes of residential bins will be measured. Bins will be weighed before, during and after the campaign to see what impact there has been on residents' waste behaviours.

Residents can either nominate, via the website, or will be invited to take part in a bin weight loss challenge. The measurements will be made using the residents' existing bins though during the challenge they may also be offered clear bins, if they live in participating councils.

In addition, Face Your Waste is looking to trial and measure other aspects of bin behaviour including bin volumes.

Individual results will be given to the participating residents and they can then compare how they fare against generalised data published on the website and social media. It is anticipated that there will be a bit of a challenge set up between neighbours, streets, suburbs and councils. Similar campaigns have been run by Synergy and the Water Authority.

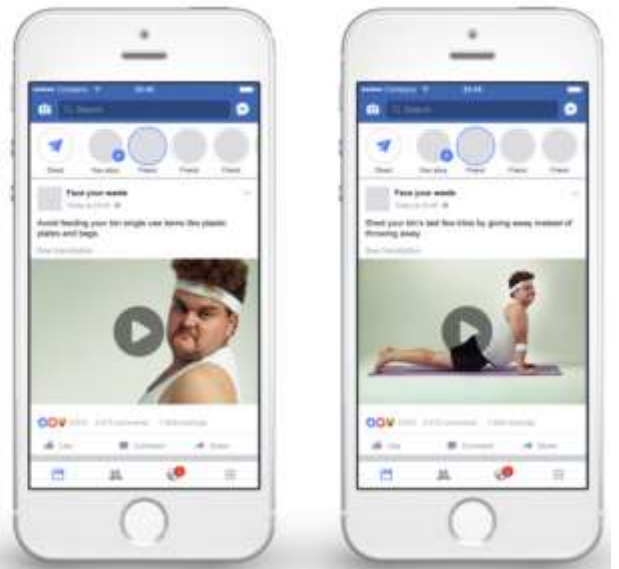
Education and tips will be provided during the challenge and these tips will also be offered via video clips on the website and through social media.



These tips will be followed up with further tips on social media by the FYW personal trainer.

ALT TIPS

- Take food scraps out of your bin's diet by making your own compost.
- Buy in bulk to help your bin slim down.
- Feed your leftovers to yourself not your bin.
- The secret to a healthy bin is all about portion control.



Face Your Waste will still attend various events and will be further incorporated into the MRC's education and community engagement program.

The launch advert, shown below, was awarded 'best ad of the week', showing an overweight bin compared to the slimmer bin shown earlier.

BEST ADS
ontu.com

ENTER THE ONE SHOW. CHANGE YOUR
EARLY DEADLINE NOVEMBER 15.

Home | Submit work | Rankings | My profile | Bestads on Twitter | RSS | Ad

Best: [TV](#) [Print](#) [Outdoor](#) [Interactive](#) [Radio](#)

Browse ads: [Automotive](#) - [Alcoholic beverages](#) - [Clothing](#) - [Cosmetics](#) - [Entertai](#)

Print Mindarie Regional Council: Bin gut



face
your
waste
.com

Slim your waste line, visit: [face your waste .com](http://faceyourwaste.com)

► View hi-res

Tweet

BEST Top 6 this week

Western Australians throw out the most rubbish in all of Australia. We challenged West Aussies to slim their waste lines by drawing attention to our ugly bin habits.
Agency: Marketforce

Category	Household, garden & pets
Client	Mindarie Regional Council
Agency	Marketforce
Country	Australia
Uploaded	8 November, 2019

Also best this week

00:00

Global Air, Rome
FCB Artgroup



September and October 2019

The Famous Sharron advert continued to be shown on the high profile Citylight panels in 17 locations around Perth including within the Hay and Murray Street Malls.



The clear bins were again deployed at the Mindarie Marina for boardwalk craft beer festival. Used to promote the recycling of the paper cups used, the bins proved very effective in minimising contamination. Reports were that very little was placed in the clear bins other than the cups.



Face Your Waste was the site name for this year's Perth Royal Show. Visitors to the show were given good waste messages and practical tips to employ both whilst at the show and when they went home.

The campaign was also showcased with a booth at this year's Waste and Recycling Conference at the Crown.

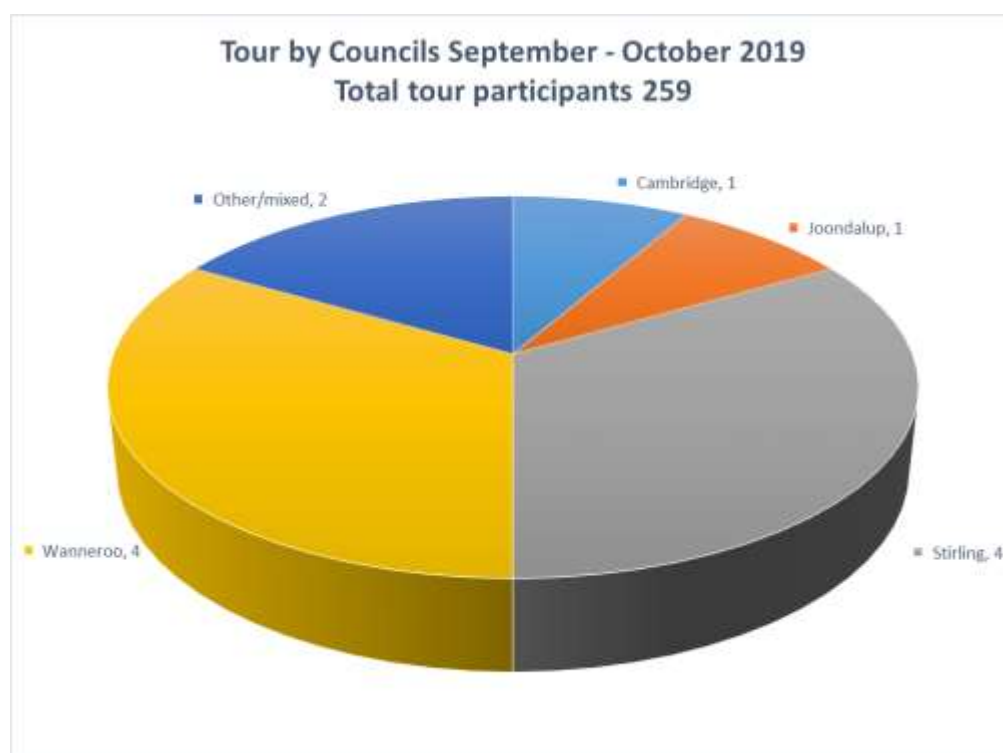


4. Community Engagement

4.1 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 September and October, 12 tours took place with 10 solely visiting Tamala Park, 5 and a further 2 groups only visiting the RRF.



Total number of people on tours = 259

Of the tour groups, 3 were community/business groups and 9 were from schools. The groups were:

Belridge Secondary Education Support Centre, Sevenoaks Senior college, City of Stirling staff, Boyare Primary School, Wanneroo community tour, Home School, Woodlands Primary School, International School of WA, End of Month tour.

Note some schools attend tours multiple times with different groups.*

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.

A 'HappyOrNot' unit is being used to gain immediate feedback from visitors, with monthly results shown below, while a more specific feedback is attained from the online feedback. Much of this feedback comes from visiting school groups indicating a high level of engagement by the students.



Wasteed / September 2019

Please rate our service today



78% Positive

Total feedback: 98

Very Positive 59%, Positive 19%, Negative 6%, Very Negative 16%

HAPPYORNOT



Wasteed / October 2019

Please rate our service today



82% Positive

Total feedback: 102

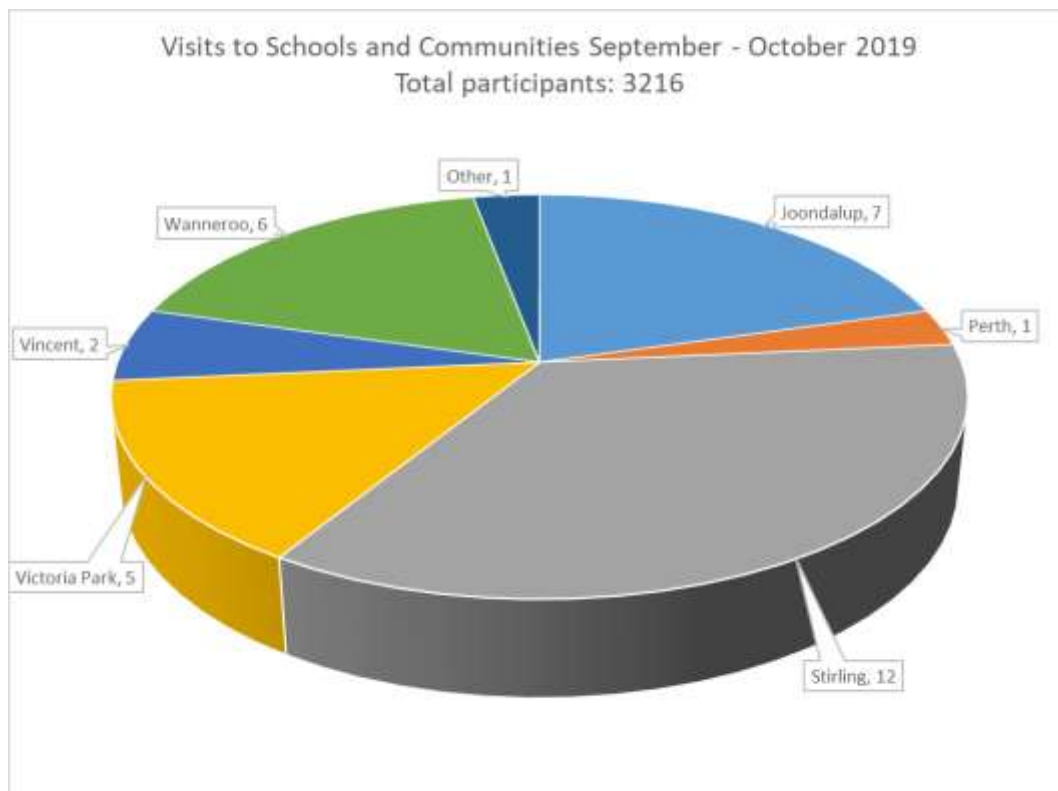
Very Positive 52%, Positive 30%, Negative 8%, Very Negative 10%

HAPPYORNOT

4.2 Visits, Talks & Workshops

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

During the September/October period 34 visits/talks/workshops were made to just over 3,200 people.



TYPES OF TALKS	
	Number
Waste and Recycling	13
Composting	4
Worms	7
Nude Your Food	4
3 Bin System	1
Battery Assembly	3
Workshop	1
Other	1
TOTAL	34

SCHOOLS	
	Number
Joondalup	3
Stirling	6
Victoria Park	4
Wanneroo	5
TOTAL	18

Name of schools visited:

St Kieran Catholic Primary School, Lathlain Primary School, Aranmore, Quinns Baptist College, Newman College, Carine High School, Pearsall Primary School, Dianella Heights Primary School, Mullaloo Heights Primary School, Halidon Primary School, Glengarry Primary School, Ashdale Primary School, Butler College
 Special needs students.

Name of Communities visited: Joondalup residents, Weight Watchers Hillarys, Goollelal Greenwood Scout Group, Joondalup Library residents, City of Perth group, Karrinyup Library, Osborne Park Library, City of Vincent residents, Max Solutions in Joondalup, Little Green Steps
 Volunteers and Staff at Edmund Rice Centre WA, City of Stirling residents, Groat street community group, Town of Vic Park residents, City of Vincent residents.

COMMUNITY/BUSINESS VISITS	
	Number
Joondalup	5
Perth	1
Stirling	5
Vincent	1
Wanneroo	4
TOTAL	16

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.

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.

TYPES OF TALKS	
	Number
Battery Assembly	2
Organics	12
Nude Your Food	2
Waste Audit	1
Waste and Recycling	5
Community Workshop	6
TOTAL	28

Feedback from these workshops again showed a high level of satisfaction.

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.

4.3 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 community events find themselves engaging with the waste messaging.

EVENTS	
Cambridge	0
Joondalup	2
Perth	1
Stirling	2
Vic Park	1
Vincent	1
Wanneroo	2
Other	8
TOTAL	17

Names of events attended: Big Kid Events - Green and Clean, Little Feet Festival, Perth Royal Show for eight days, The future of Waste in WA, Groat Street Festival, Pawsome Day Out, Sustainable day, Sustainable house day, Dogs Breakfast, Connolly Community Fete.



Groat Street Festival



Little Feet Festival (CoJ)

The following are some images of the Perth Royal Show site which had a focus on the Container Deposit Scheme and FOGO, informing patrons of what these two upcoming waste systems are all about.



4.4 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 540 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.

Each of these courses involve the participants attend a number of sessions and in the case of the Advanced Earth Carers complete a project.

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.

Over 900 followers currently engage with the Earth Carers North page. Earth Carers are waste ambassadors, spreading waste messages into the community. The MRC Education Team is currently reviewing the effectiveness of the Earth Carers program.

Early research data is showing that after these people complete the Earth Carers course they significantly spread the message and demonstratively make changes to the waste behaviours of themselves and others.

4.5 Community Engagement/Communications

A number of other media have been used to communicate with the MRC community.

The **Pylon Sign** at the entrance to Tamala Park has been a very effective in conveying information to passing traffic about changes in opening hours and the services offered at Tamala Park.

New tiles featuring improved graphics and colouring have been produced to provide clear eye-catching messages to passersby. Messages used in September/October have included the following:



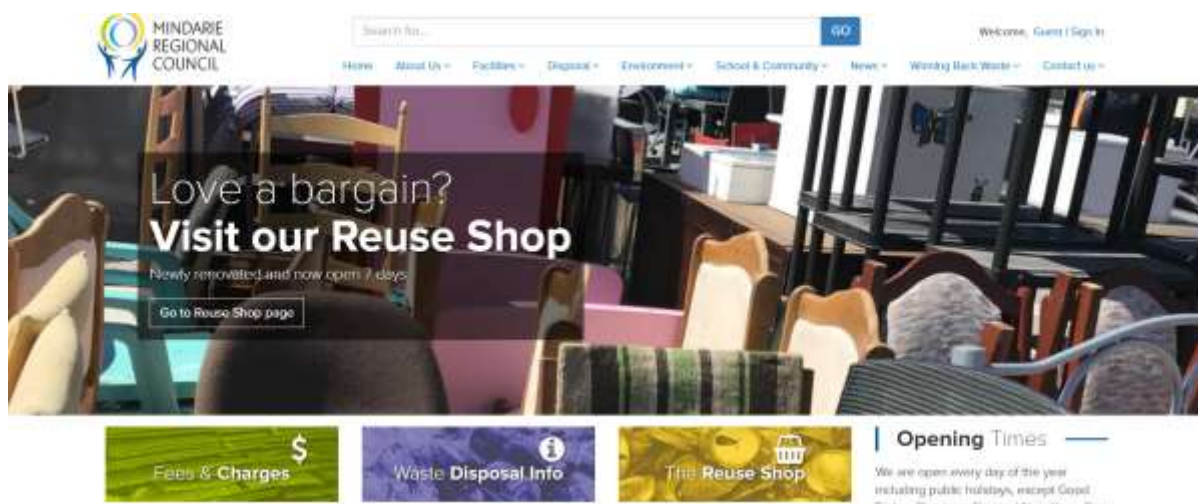
Two **Digiboards** that were dropped off to be recycled have been refurbished and put to good use within the shop and at the weighbridge to advertise services to customers, to perhaps inform them of other services of which they were unaware.

Each week the messages on the pylon and digiboards are changed to highlight the services and items available at Tamala Park and promote tips for improved waste behaviours.

Website

The MRC website has had a number of updates being made to it to improve user experience, both on desktop and mobile devices

The most sort after information being more readily accessed from the Home page.



An **A – Z disposal guide** has been placed on the MRC website to provide a comprehensive guide of where residents across the region can dispose of an extensive range of items. This guide is continually being updated and can be found at:

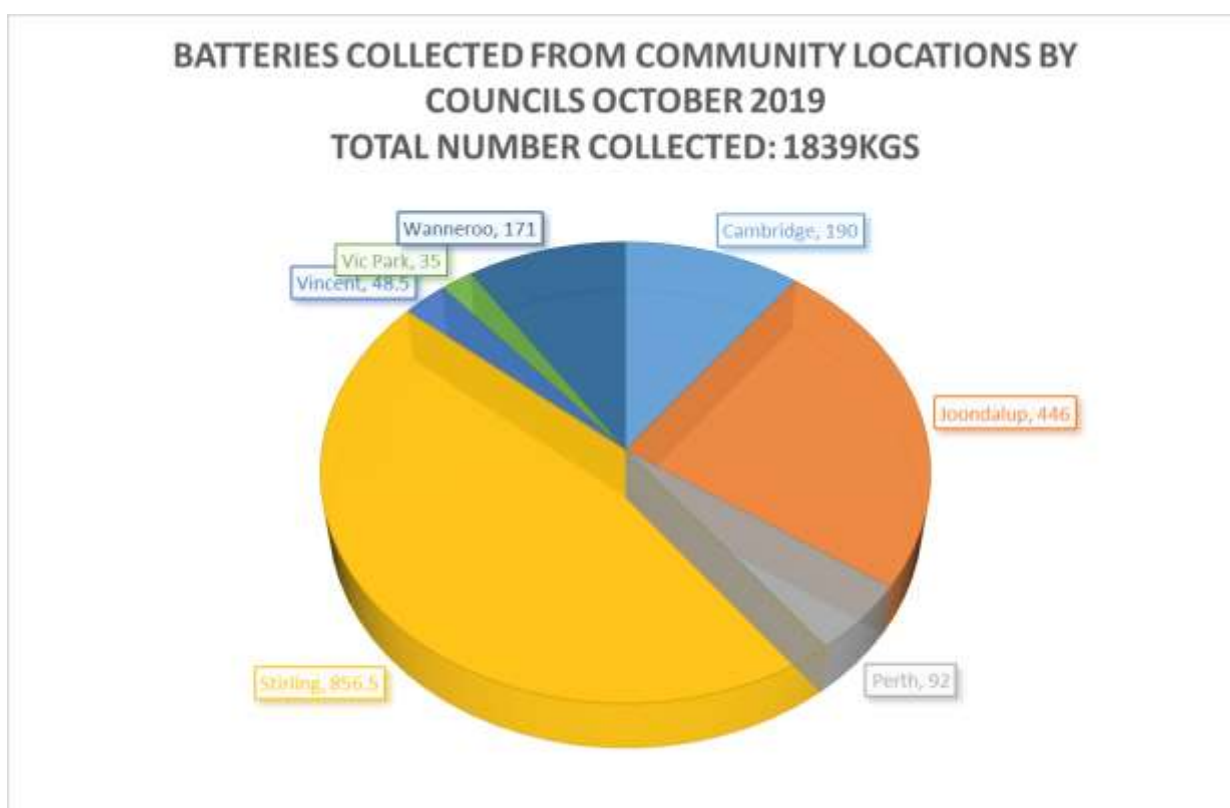
<https://www.mrc.wa.gov.au/Waste-Disposal-recycling/Disposal-guide/A-Z-Disposal-Guide>

5. Community Programs

5.1 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 helping divert this source of contamination away from the landfill and the RRF.



Currently 162 schools in the region take part in the battery program. 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.

Battery Assemblies are used to either launch or refresh a schools battery Program. These informative and fun talks are delivered at school assemblies, with a presenter accompanied by an assistant in a battery costume. They are often whole of school, with parents and teachers in attendance giving the program a wide exposure. The problems with batteries are explained and the solution, including using rechargeables, is given.

Talks on the battery program given at assemblies in this period were conducted at:

- Davallia Primary School,
- Westminster Junior Primary School,
- Our Lady of Mercy Primary School

School Battery Collection Program July – September 2019

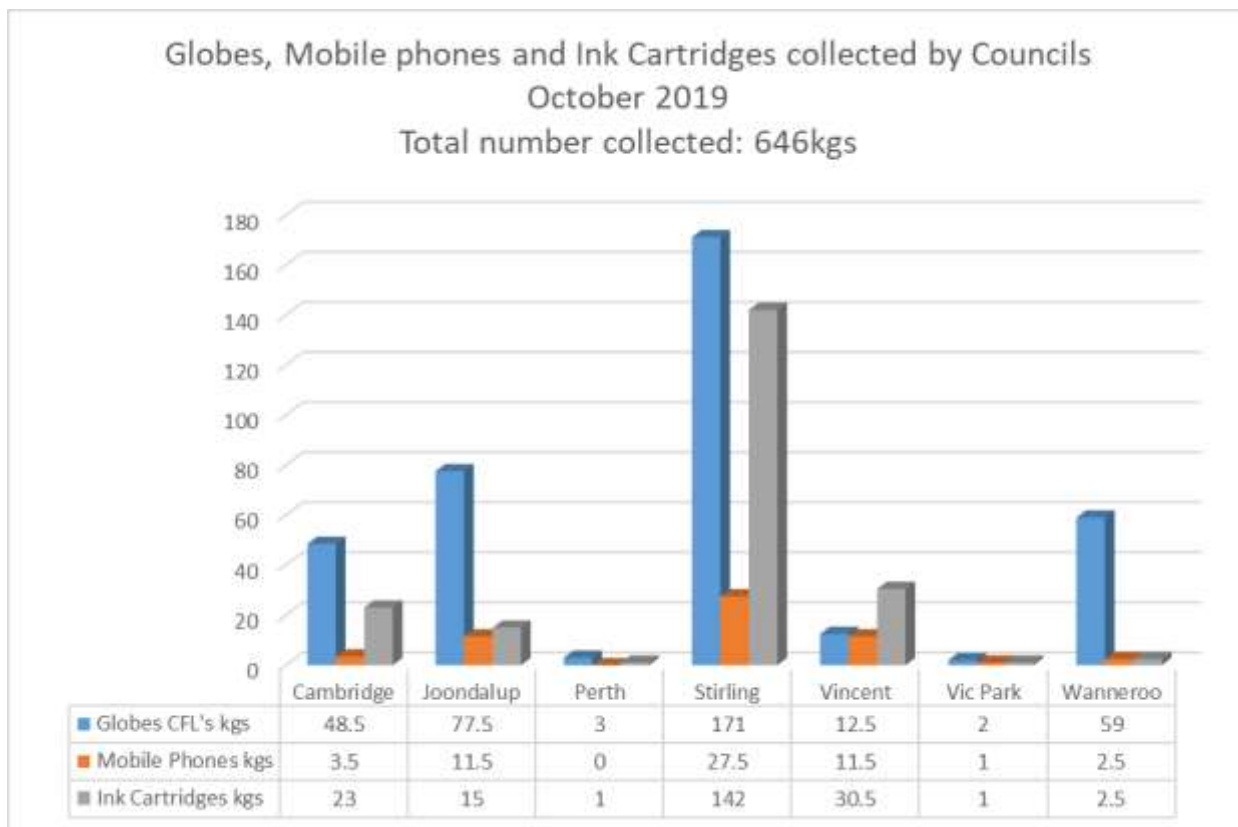
School League Table 2019		Total
Rank	School	Term 1, 2 and 3
1	Woodlands Primary School	229
2	Landsdale Primary School	210.5
3	Peter Moyes Anglican Community College	210
4	Kinross Primary School	186
5	Sorrento Primary School	174
6	Greenwood Primary School	101
7	Mercy College	99
8	Pearsall Primary School	95
9	West Morley Primary School	89
10	Wanneroo Primary School	84
11	Mullaloo Beach Primary School	80
12	Halidon Primary School	79
13	Lake Gwelup Primary School	77
14	North Morley Primary School	71
15	Perth College Junior School	69
16	Hillarys Primary School	67
17	Ashdale Primary School	64
18	East Butler Primary School	62
19	Madeley Primary School	61
20	Carramar Primary School	60
21	Joondalup Education Support Centre	56
22	Quinns Rocks Primary School	56
23	Inglewood Primary School	55

24	Our Lady of Grace Primary School	54.5
25	Glengarry Primary School	52
26	Mt Lawley Primary School	52
27	Our Lady of Lourdes	51
28	Karrinyup Primary School	49
29	Wembley Primary School	49
30	West Balcatta Primary School	49
31	North Beach Primary School	47
32	Lathlain Primary School	45
33	Mount Hawthorn Primary School	45
34	Tapping Primary School	38
35	Mullaloo Heights Primary School	37
36	Coolbinia Primary School	35
37	Beaumaris Primary School	34
38	Beldon Primary School	34
39	St Mary's Anglican Girls' Senior School	34
40	Duncraig Primary School	33

A full list of all participating schools and their 2019 ranking can be found on the MRC website.

5.2 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.



6. Waste Educator Groups

6.1 Waste Education Strategic Steering Group (WESSG)

The Waste Education Strategic Steering Group (WESSG) meets at the end of each month. A meeting was held at the CoS Depot (Oct), with the September meeting being cancelled as it clashed with the Perth Royal Show.

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 main issues discussed in this period were:

- RRF
- FOGO trial
- Yellow lid recycling, consistent messaging
- Education to Early Learning Centres
- Development/modification of materials for Culturally and Linguistically Diverse (CaLD) residents to understand how to use their bin systems correctly

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 WESSG group has also been the catalyst for the member councils to share ideas and provide support for each other's activities.

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
- Grow it Local program

6.2 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

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.