



INFORMATION BULLETIN

Issue No. 48
March and April 2019



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RRF UPDATE REPORT

RESOURCE RECOVERY FACILITY UPDATE REPORT	
File No:	WST/13-07
Attachment/s:	Nil
Date:	29 May 2019
Prepared by:	Director Corporate Services

This report presents a summary of activities that have taken place in the reporting period covering 1 March 2019 to 30 April 2019.

OPERATIONAL MATTERS

On Monday 18th March the RRF commenced a one-week planned shutdown to undertake maintenance activities as follows:

- Replace travel wheels (4) on grapple crane
- Replace electrical busbars feeding grapple crane
- Replace seal and service pump in crane grab
- Replace worn door support liners and guides in the composters
- Refurbishment of maturation hall tripper conveyor
- Replace receivals hall exit door
- Replace dust bags in collector one
- Replace conveyor belt on 500cv02
- Clean all extract ducts in secondary refining

The FOGO trial commenced immediately after the scheduled shutdown.

OPERATIONAL INFORMATION

Waste Delivery

Waste Delivery Summary for Reporting Period

MONTH	SCHEDULED TONNES	DELIVERED TONNES	DIFFERENCE TONNES
March 2019	6,400	4,008	(2,392)
April 2019	8,400	8,373	(27)

For the 10th Contract Year, for the period to 30 April 2018, the RRF was 2,152 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 100.2% 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 (April 2019) was 48.6% against a Waste Diversion Target of 51.3%, however this target may change as Councils move to a different bin system.

Community Complaints

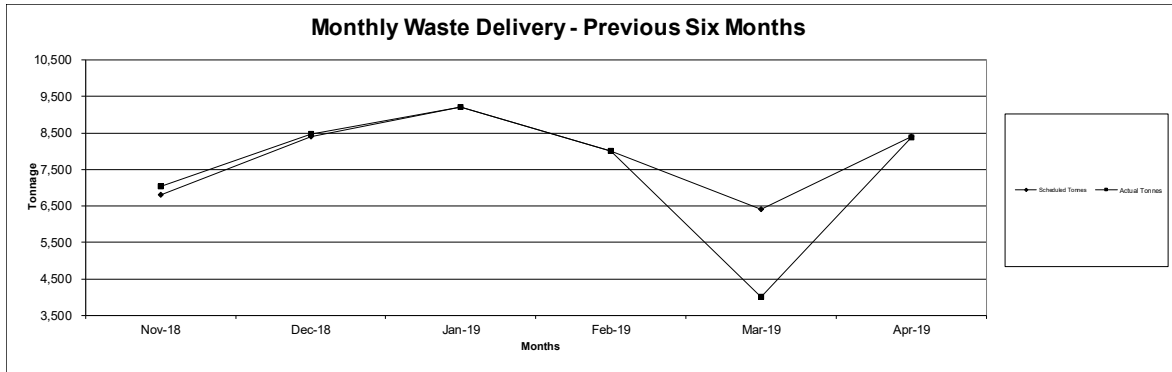
BioVision is continuing engagement with the selected key stakeholders, in particular the Banksia Grove development and the Wanneroo Golf Course.

COMMUNITY COMPLAINTS SUMMARY FOR THE REPORTING PERIOD

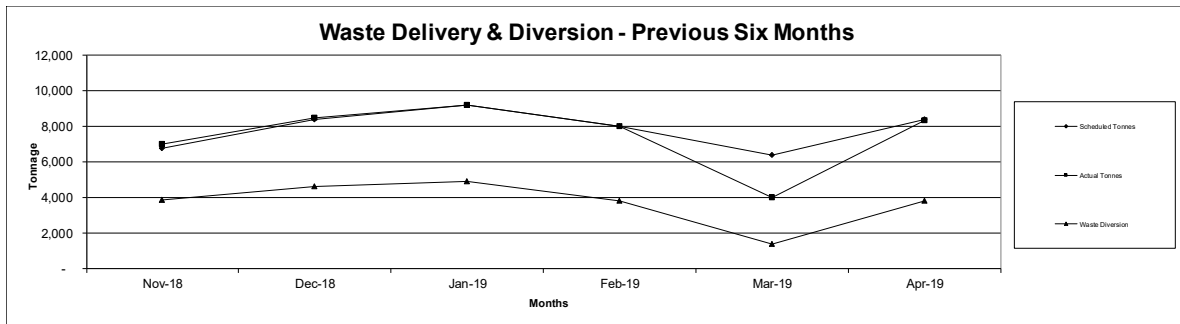
Date	Complaint	From	Outcome
Mar 19	One	Resident, Bauer Circle, Banksia Grove	The wind was tending from a northerly direction. On investigation and due to the location of this complaint, it was determined that the most likely source of the odour would be the open air green waste facility which is directly north of the complainant's property.
Apr 19	None	N/A	N/A

The graphs below provide data up to **30 April 2019**.

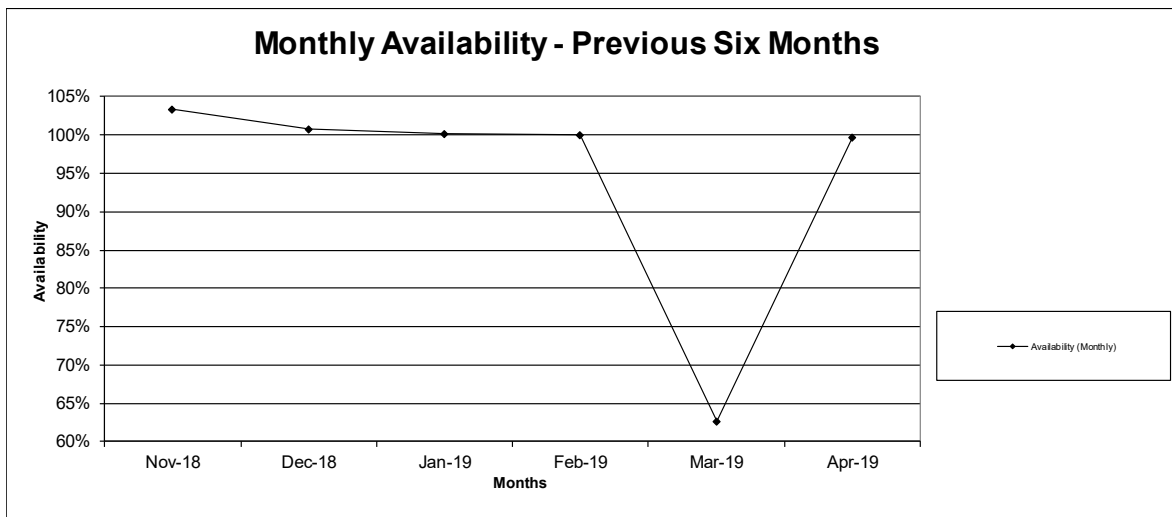
Graph No. 1 – Monthly Waste Delivery – Previous Six Months



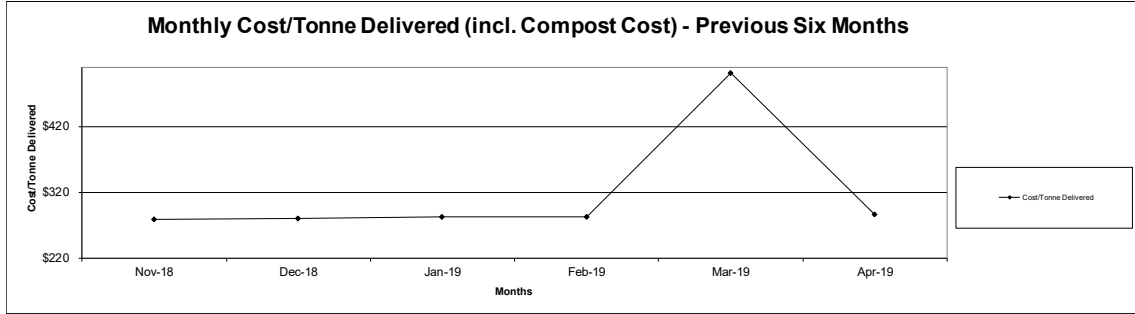
Graph No. 2 – Waste Delivery & Diversion – Previous Six Months



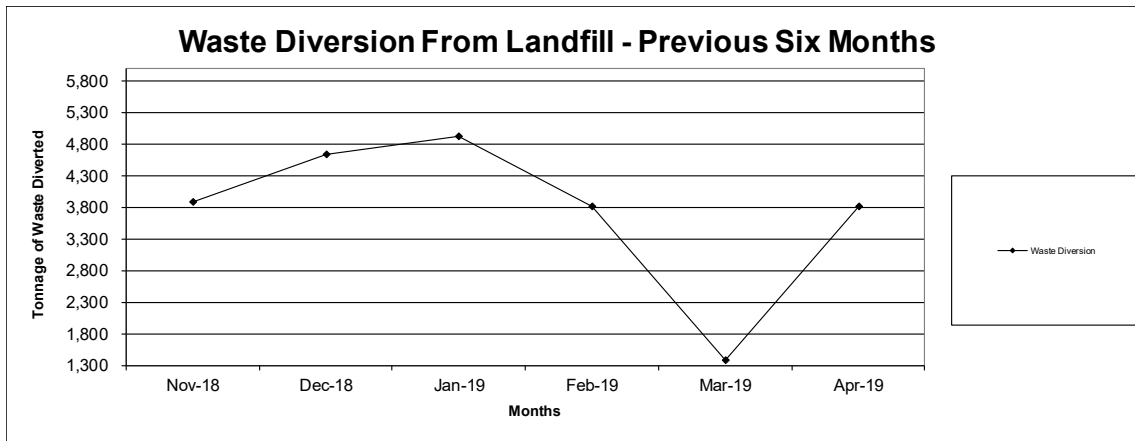
Graph No. 3 – Monthly Availability – Previous Six Months



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 30 April 2019)

KPI	Target	Previous six months	Mar	Apr
Availability*	95%	94.5%	63%	100%
Environmental Standard - Number of Breaches	0	0	0	0
Waste Diversion	51.3%	48.6%	34.7%	45.7%
Quality of Compost - Number of Breaches**	0	33.3%	2	0
Quantity of Recyclable Packaging ***	1.8%	1.7%	2.5%	1.6%
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.

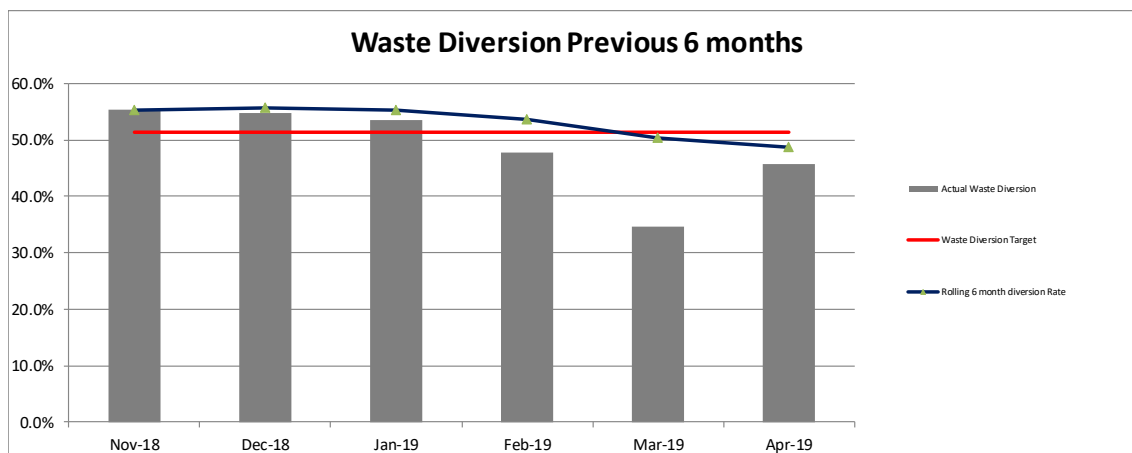
** The compost standard within the RRFA was amended by the revisions to the RRFA approved by Council at its meeting of 6 December 2012 and signed under common seal in May 2013.

*** 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 (November 2019 to April 2019) has been 48.6%.



Project Advisory Group (PAG)

MRC Representatives:

Cr Frank Cvitan JP
 Gunther Hoppe (CEO)
 Andrea Slater (DCS)
 Cr Russel Driver (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 1 May 2019.

Items dealt with by the group included:

- Maintenance deed update
- BioVision Monthly Report/Update
- FOGO Trial
- Impact - 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 April 2019

Mindarie Regional Council OPERATING STATEMENT For the month ended 30 April 2019						
Description	Adopted Budget	Revised 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	-	1,340	1,340	4,370	(3,030)	(226.12%)
	-	1,340	1,340	4,370	(3,030)	(226.12%)
Office Expenses						
Cleaning of Buildings						
General cleaning (Enviro Care)	10,600	10,600	8,832	9,030	1,570	14.82%
Window cleaning	2,000	2,000	816	-	2,000	100.00%
	12,600	12,600	9,648	9,030	3,570	28.34%
Information System Expenses						
Computer System Maintenance						
ICT contractors costs	2,000	2,000	-	-	2,000	100.00%
Newcastle Weighing Services-Gen Maintenance	11,500	11,500	9,582	8,688	2,813	24.46%
Vertical Telecom P/L-Maint of Microwave Ant	6,000	6,000	5,000	4,351	1,649	27.49%
	19,500	19,500	14,582	13,038	6,462	33.14%
Building Maintenance						
Building Maintenance						
Airconditioning Maintenance	3,000	3,000	683	683	2,317	77.23%
Community Education Centre	2,000	3,646	2,646	2,646	1,000	27.42%
Weighbridge and Calibration	7,500	7,500	220	220	7,280	97.07%
Building Security						
Security - Monitoring	-	-	-	163	(163)	-
	12,500	14,146	3,549	3,713	10,433	73.75%
RRF Operation Expenses						
Fencing and Gate Maintenance						
Fencing and Gate Maintenance	9,000	9,000	920	920	8,080	89.78%
Repair of Boom Gate	-	-	-	-	-	-
Road Maintenance	5,000	5,000	-	-	5,000	100.00%
Bores and Pipework						
Bore maint/calibration/electronics	4,500	4,500	4,500	6,113	(1,613)	(35.85%)
Groundwater sampling	2,500	3,801	3,801	3,801	-	0.00%
Bacteria sampling	1,000	1,000	-	-	1,000	100.00%
Vermis control	500	500	-	-	500	100.00%
Spills/leaks/incident management	500	500	-	-	500	100.00%
Landscaping and Gardens	6,000	6,000	1,050	1,500	4,500	75.00%
Compost Disposal	433,500	433,500	365,294	365,293	68,207	15.73%
Contractor's Fees	28,338,000	28,338,000	23,463,864	23,636,126	4,701,874	16.59%
RRF Maintenance Funding	250,000	250,000	-	-	250,000	100.00%
	29,050,500	29,051,801	23,839,429	24,013,753	5,038,048	17.34%
Utilities						
Electricity	15,800	15,800	2,940	4,200	11,600	73.42%
Rates	108,894	108,894	90,745	89,199	19,695	18.09%
	124,694	124,694	93,685	93,399	31,295	25.10%
Insurance						
Municipal Property Insurance	3,500	3,500	2,917	2,933	567	16.20%
Public Liability Insurance	5,650	5,650	4,708	4,435	1,215	21.51%
	9,150	9,150	7,625	7,368	1,782	19.48%
Cost of Borrowings						
Interest on Loans						
Loan 10A	56,088	56,088	47,269	47,268	8,820	15.72%
Loan Expenses	-	-	-	-	-	-
	56,088	56,088	47,269	47,268	8,820	15.72%
Amortisations						
Amortisation Pre-operating Costs	104,784	133,501	116,037	116,037	17,464	13.08%
Amortisation Costs	358,007	362,051	302,383	332,344	29,707	8.21%
	462,791	495,552	418,420	448,381	47,171	9.52%
Depreciation						
Depreciation on Building	25,124	168,129	161,849	163,942	4,187	2.49%
Depreciation on Infrastructure	26,697	186,257	176,177	180,445	5,812	3.12%
	51,821	354,386	338,026	344,387	9,999	2.82%
Total Operating Expenditure	29,799,644	30,139,257	24,773,573	24,984,707	5,148,738	17.08%
Net Total	(29,799,644)	(30,139,257)	(24,773,573)	(24,984,707)	(5,148,738)	17.08%

COMMUNICATIONS AND EDUCATION UPDATE REPORT



Communications and Education Report

March and April 2019

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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,

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 March and April 2019.

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 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...and that they did.

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 Campaign reached 2 million people with 300,000 impressions on Facebook alone in the first couple of months. Everyone wanted to talk about FYW, the clear bins especially. Engagement is what we wanted and that's what we achieved.

The clear bins though have also shown themselves to be significant drivers of good waste behaviours. Everywhere the bins have been located have 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. Positive results for the campaign moving forward.



An additional 10 160L red top bins were manufactured to give councils a full 3 bin set of red, lime green and yellow lid clear bins to promote this bin system to their residents.



Face Your Waste won, Waste Innovation of the Year, at the **Infinity Awards**, the annual waste industry awards held by the Waste Authority

Face Your Waste also won 6 awards at the Perth Advertising and Design Awards, for the campaign concept, radio adverts and the clear bins as a promotional concept.

March/April

After a successful launch and 2018 Face Your Waste has made a positive start to 2019.

FYW won 'Best out of home' campaign at the Campaign Brief Awards (WA advertising industry awards). This resulted in FYW being nominated and accepted as an Australian nomination for the Cannes Festival 2019.

It also did very well at the Australasian Writers and Art Directors Association (AWARD) awards in Sydney picking up a Silver in Poster & Outdoor and two Bronzes in Innovation and Market Disruption & Product / Service Development.

Continued good recognition of the work we do.

Early March a set of the clear bins went to the Woolorama in Wagin to help that council promote its 3 bin program. Before returning to Perth it was used as a display at the local supermarket.



Following on from the deployment of the clear bins and the impactful 'One Family, One Year' graphic the next phase of the campaign saw **Famous Sharon – the Face of WA become the new Face of Waste**. This campaign has proved to be very popular with there being big increases seen in the following of Face Your Waste.

Images of Famous Sharon shown in shopping centre, on trains and in a number of print publications. Videos where Sharron give waste reduction tips have been screened into cinemas, over Facebook and with the full collection housed on the Face Your Waste website.

The following image was also the back page in April of the popular parent's paper Kids in Perth.



Shopping centres

Digital and static images of the FYW Famous Sharon advert where shown on display boards at the following shopping centres:

Dianella Plaza, Dog Swamp Shopping Centre, Floreat Forum Shopping Centre, Karrinyup Shopping Centre, Lakeside Joondalup, Ocean Keys Shopping Centre, Victoria Park Central, Warwick Grove, Watertown Brand Outlet and West Leederville Shopping Centre

Due to the popularity of these shopping centres potentially these adverts were viewed 10 million times. It is estimated that 22% of Perth's 22 – 64yo would have been exposed to these adverts.



Cinema

65,000 people have sat in the audience while FYW adverts were screened in the following cinemas:

Belmont, Raine Square, Leederville, Warwick, Innaloo, Currambine and Joondalup.

This form of advertising is considered very impactful as the audience is sitting in a darkened room with very few other distractions. This advert was shown to audiences watching a wide variety of movies but 50% shown before the popular movies including:

- Wreck it Ralph 2
- How to Train Your Dragon 2
- Bohemian Rhapsody
- Aquaman
- Grinch
- Fantastic Beasts – Crimes of Grindelwald

These adverts will be shown until the end of May.

Trains

February saw FYW adverts featuring Famous Sharon be installed on all lines across the TransPerth network but with 50% of the adverts on the Butler – Mandurah line. These adverts appeared throughout the March/April period.



Facebook

Apart from being a significant advertising medium, it is where a lot of the FYW engagement is occurring.

Over 1 million impressions of FYW Famous Sharon adverts were posted, returning nearly 40,000 clicks and a high 20% completion rate of those who watched the videos.

These posts have recorded a high level of engagement with increasing numbers of comments, reactions, likes and shares being made.

Each month Face Your Waste's following continues to grow, slowly building a regular following. In April FYW has a following of 1500, a reach of over 140,000, 20,000 engagements and over 50,000 video views.

Website

Much of the advertising directs people to the website making this an important element of the campaign. Here there is video showing things people can do at all levels of the Waste Hierarchy, range of tips to help reduce waste and sign up to become bin ambassadors. Over 400 people have registered to become clear bin ambassadors, about three quarters of those being from the Cities of Joondalup, Stirling and Wanneroo.

April saw the website with over 7,000 users taking part in over 10,000 sessions. This is an increase compared to earlier months with three quarters being new users

Education trailer

The new education events trailer has become a mobile billboard creating discussion and promoting the Face Your Waste campaign.



What's next?

Moving forward into 2019/2020 it is planned for the clear bins to continue to be deployed in both residential, event and education settings. Famous Sharron will deliver FYW messages and launch the next part of the campaign. A new engagement piece will be launched to maintain the interest supported by high profile advertising. Research will be undertaken to measure the effectiveness of the campaign in delivering behaviour change.

Grant funding has been sort through the Waste Authorities CIE scheme.

One, to purchase more clear bins to enable the bins to be distributed to the bin ambassadors sooner as presently there is a long wait list. Also to enable them to be used at schools and events and other areas where waste engagement is being sort.

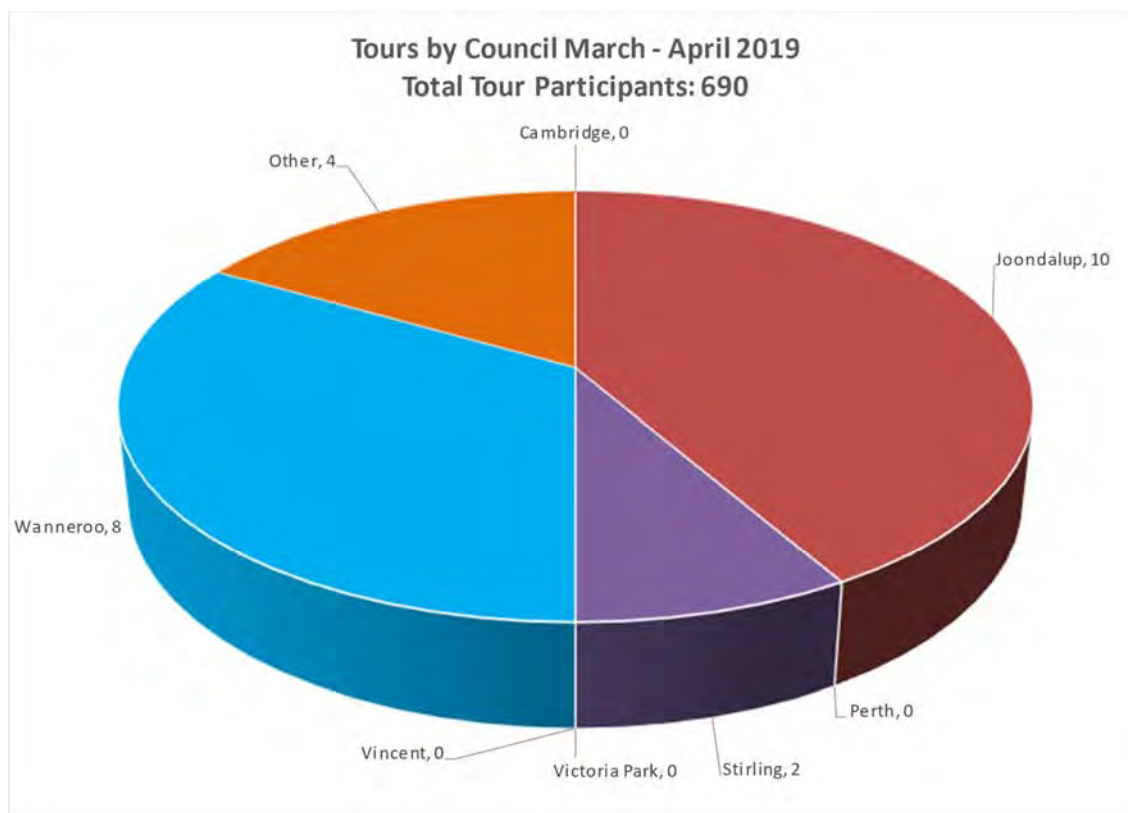
Two, to carry out research into the effectiveness of the campaign particularly from a behavioural change point of view.

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 March and April 24 tours took place with 22 solely visiting Tamala Park with 2 groups going to both Tamala Park and the RRF.



Total number of people on tour = 690

TOURS BY GROUP	
	Number
Business	1
Community	2
Schools	21
Tertiary	0
TOTAL	24

Groups on tour: City of Rockingham, St Lawrence School, Beaumaris Primary School
Global Indian School in Singapore, NM TAFE, Black Pearl Network, Madeley Primary
Kinross College, Quintilian School, John Septimus Roe Anglican School
Woodvale Primary School, End of Month Community Tour, Carramar Primary School
Waddington Primary School.

Note* some school attended tours on 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 Happy or Not unit is being used to gain immediate feedback from visitors while a more specific feedback is attained from the online feedback.



Wasteed / March 2019

Please rate our service today



72% Positive

Total feedback: 651

Very Positive 49%, Positive 23%, Negative 10%, Very Negative 18%

HAPPY@NOT



Wasteed / April 2019

Please rate our service today



86% Positive

Total feedback: 71

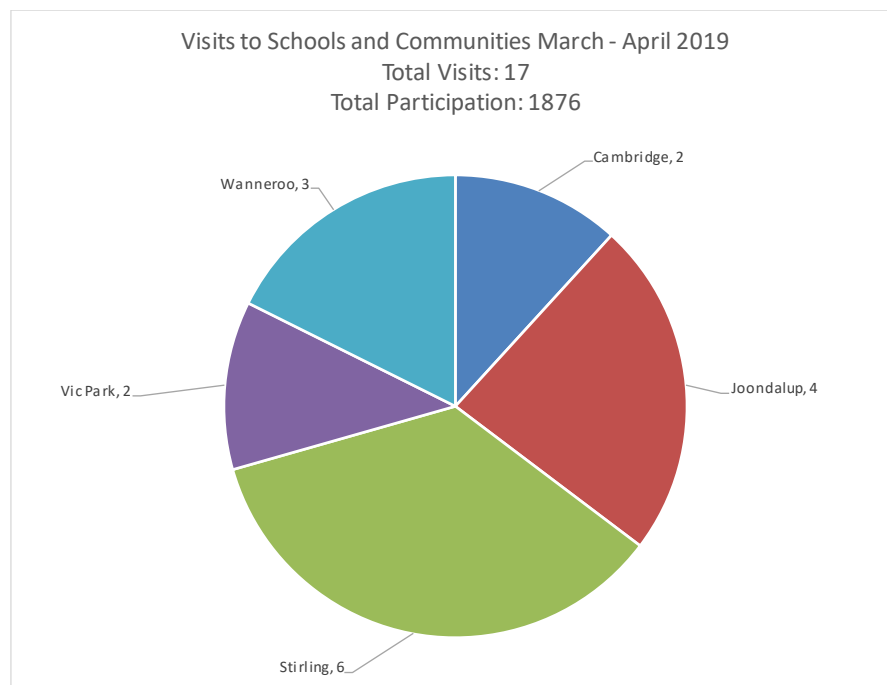
Very Positive 66%, Positive 20%, Negative 10%, Very Negative 4%

HAPPY@NOT

3.2 Visits, Talks & Workshops

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

Only two visits were made in the January/February period.



SCHOOLS VISITS	
	Number
Cambridge	0
Joondalup	4
Perth	0
Stirling	4
Vic Park	0
Vincent	0
Wanneroo	3
Other	0
TOTAL	11

Name of schools visited: Newman College, St Lawrence Primary School, Halidon Primary School, St Mark's Anglican Community School, Francis Jordan Catholic School, Scared Heart College, St. Andrew's Grammar, Doubleview Primary School, Madeley Primary School, Ashdale Primary School and Landsdale Primary School.

COMMUNITY VISITS	
	Number
Cambridge	2
Joondalup	0
Perth	0
Stirling	2
Vic Park	2
Vincent	0
Wanneroo	0
Other	0
TOTAL	6

Name of Communities visited: YMCA, The Salvation Army, Garden Festival, COS residents Mid-North Division U3A.

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
Composting, worms & gardens	7
Nude Your Food	1
Waste & recycling	7
Waste Audit	0
TOTAL	17

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.

3.3 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.

ROAMING RECYCLER EVENTS	
	No Days Out
Cambridge	0
Joondalup	6
Perth	0
Stirling	3
Vic Park	1
Vincent	1
Wanneroo	2
Other	0
TOTAL	13

Name of Events: Hyde Park Community Fair, Joondalup Festival, HBF Arena Joondalup

Catalina Street Party, Carine Community Fair, Harmony Day Event, Waste Education Workshops for COS, Lions Club of Whitfords, Neighbour day, Joondalup Festival, Garden Festival, Greenwood Primary School.



Display at Catalina Street Party



Joondalup Festival

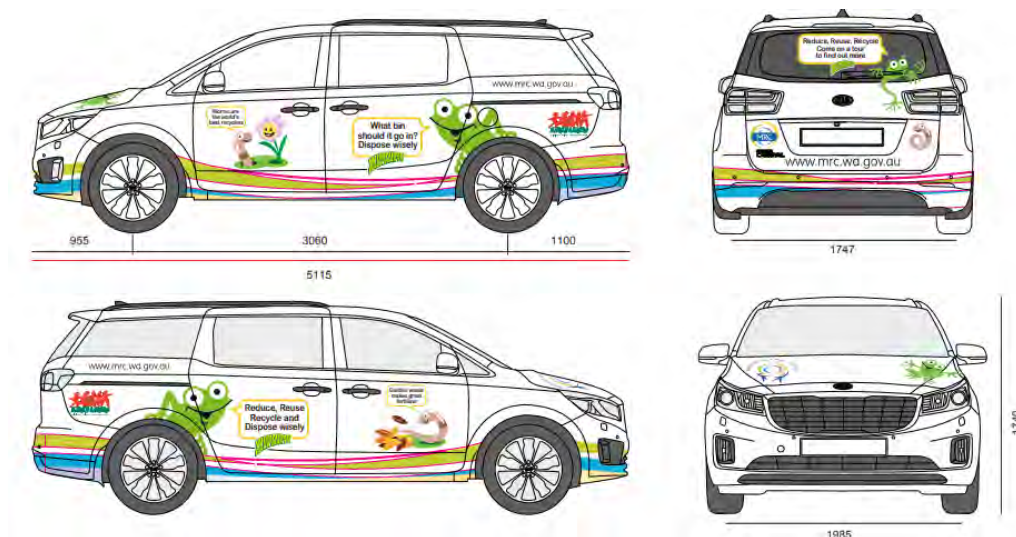
MRC joined the City of Joondalup to provide visitors to the festival waste information. The three bin mascots also attended each day to draw attention to the City's new three bin system.



Hyde Park Festival

Education vehicle

The education vehicle, used for site tours and transporting gear to talks, workshops and events had decals placed over it. As the vehicle was a similar model to that previous the design of the graphics used remained similar. These graphics have proved popular and engaging, always creating discussion and putting a bit of fun into waste.



3 Bin Mascots

The MRC bin mascots attended a number of events helping CoJ promote the roll out of three bins into the city. The mascots prove a popular drawcard promoting engagement and discussion about how the three bin system works.



During the roll out MRC casual pool staff also assisted the CoJ by recording the bin numbers of the nearly 60,000 yellow lid recycling bins found throughout the City. The bin presentation rate in most suburbs exceeding 90% during this period

3.4 Earth Carers

The MRC community outreach program, Earth Carers, has been an itegral 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.

This March 42 people attended the 6 session training course with 40 completing all sessions and graduating.





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 886 followers currently engage with the Earth Carers North page.

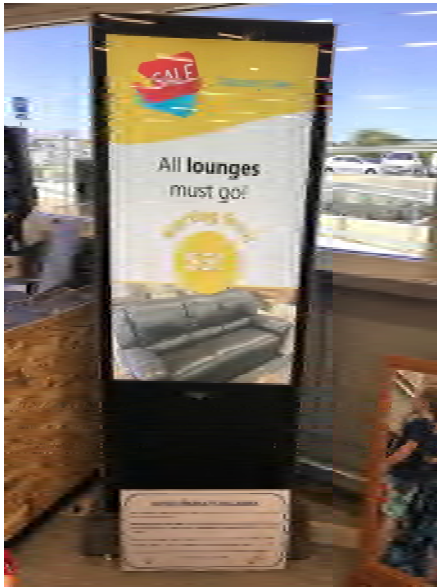
3.5 Community Engagement

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.





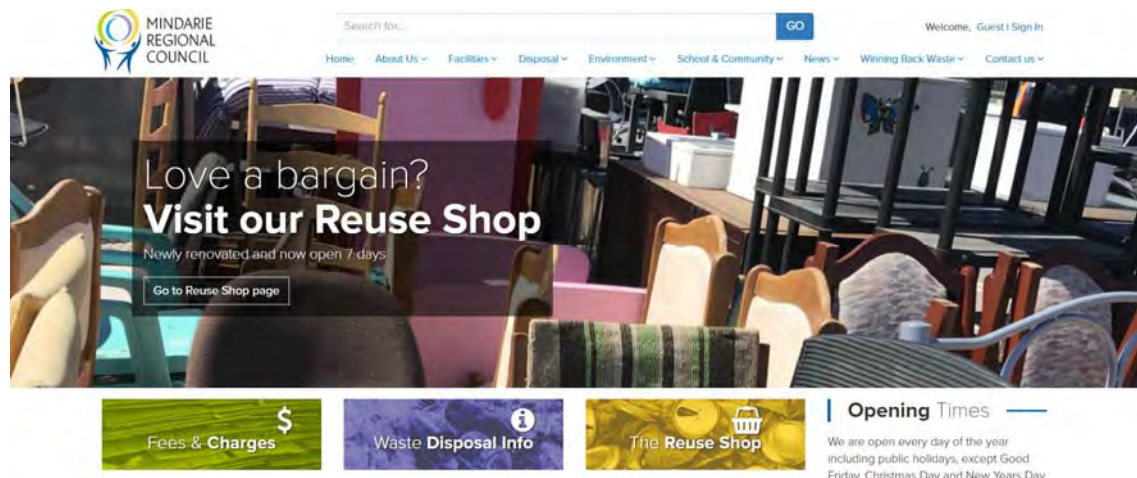
Two **Digiboards** that were dropped off to be recycled have been refurbished and put to good use within the shop and at the weighbridge to advertise services to customers, to perhaps inform them of other services of which they were unaware.

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>

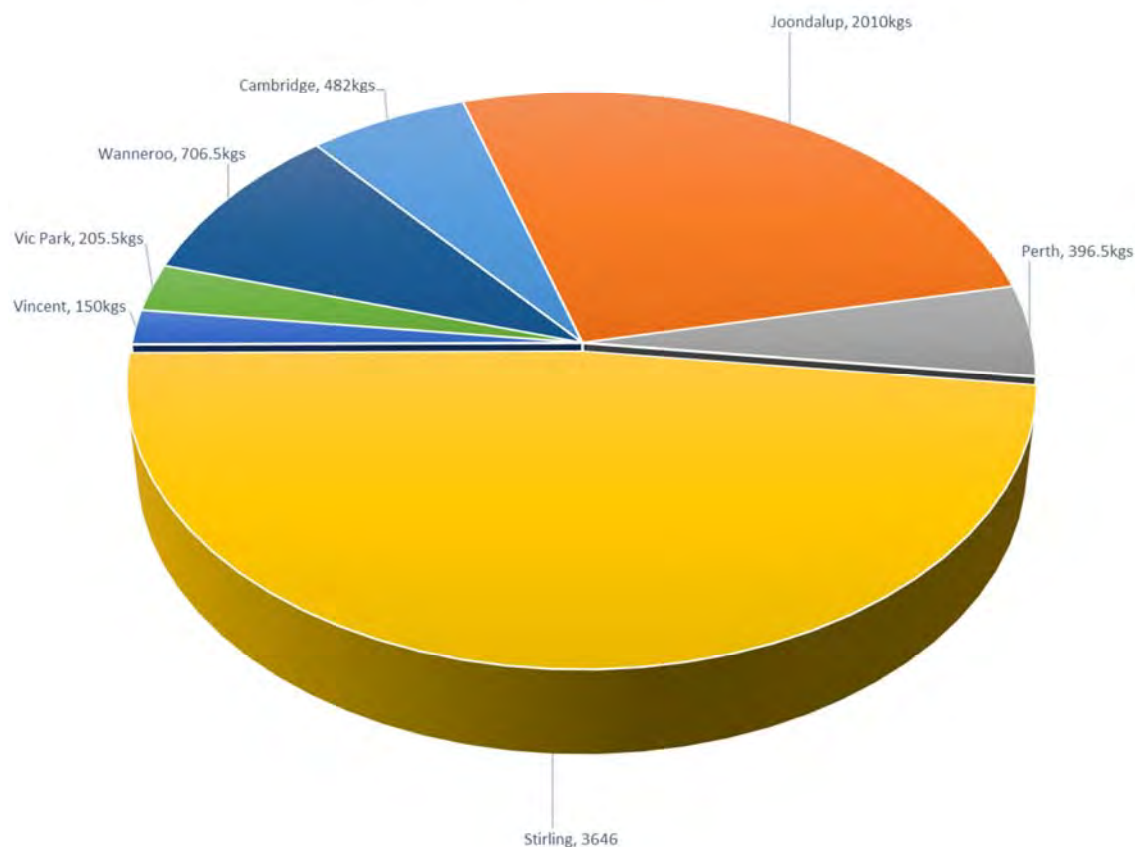
4. Community Programs

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.

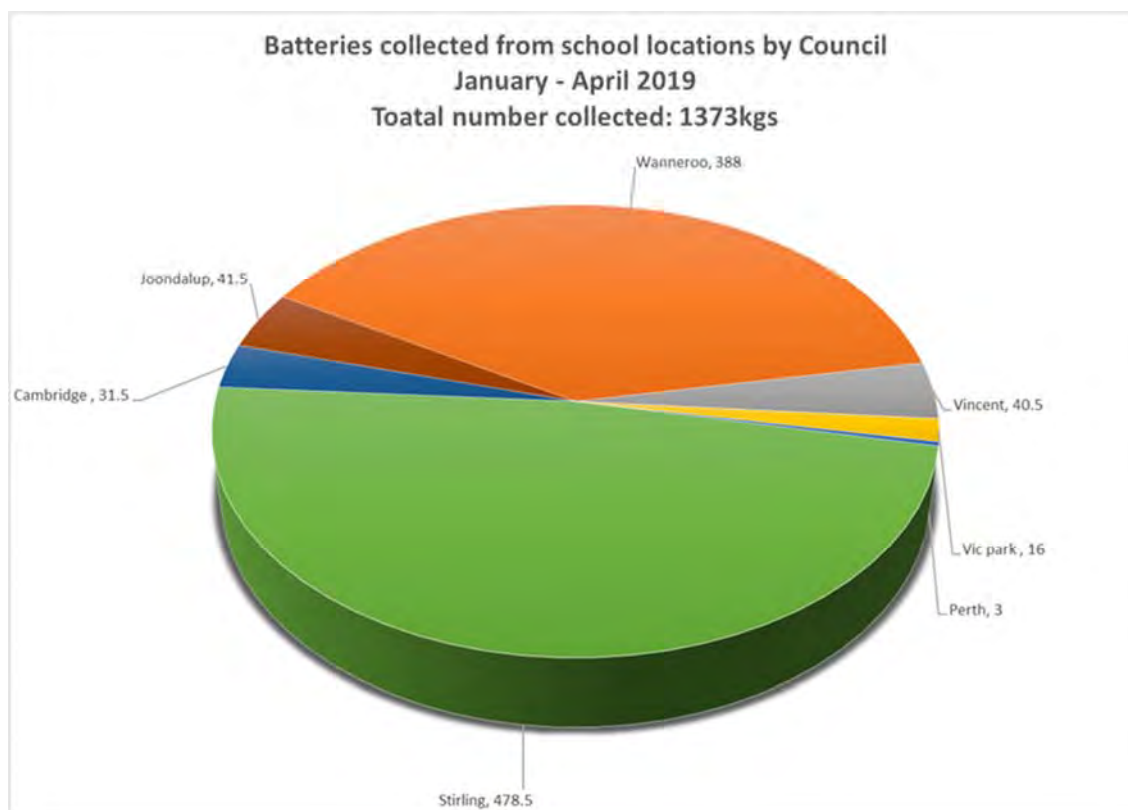
**Batteries collected from community locations by Council
January - April 2019
Total number collected: 7596.5kgs**



Currently 157 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 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.

Assemblies in this period were conducted at St Lawrence PS, Balcatta and Newman College, Churchlands both with over 350 students, teachers and parents on attendance.

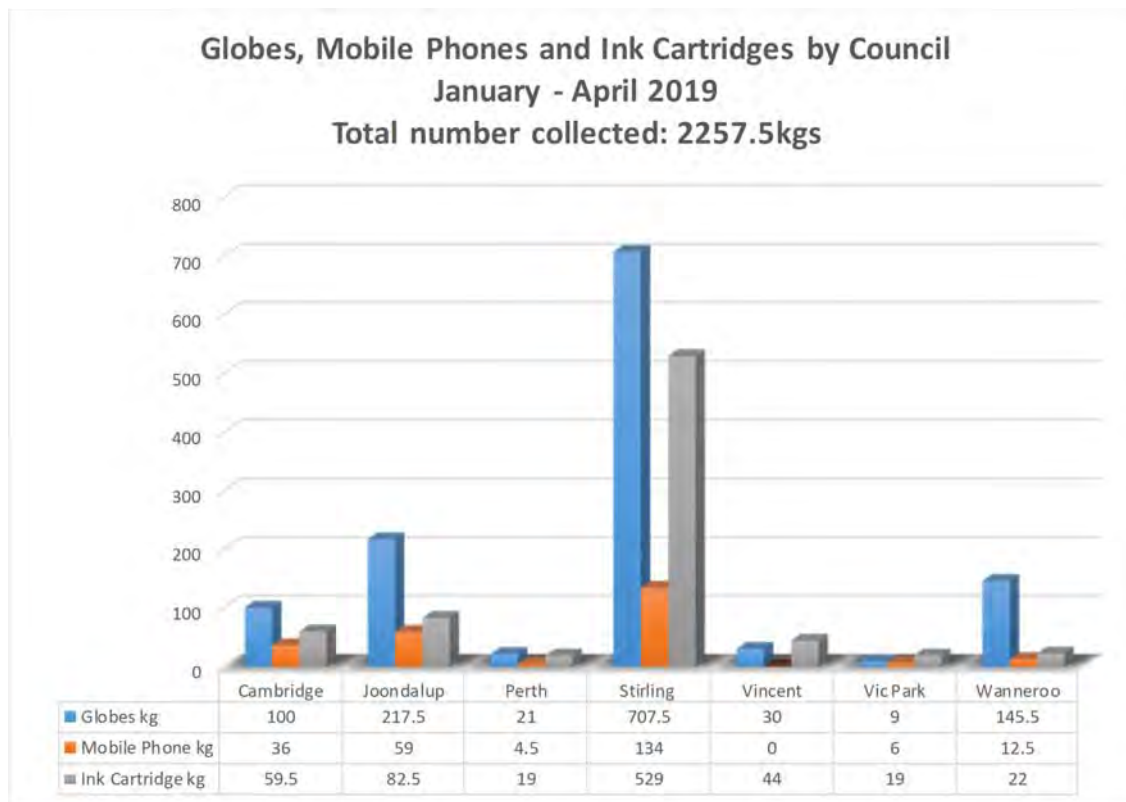


Term 1 School League Table 2019		
Rank	School	Batteries (Kg)
1	Woodlands Primary School	45
2	Peter Moyes Anglican Community College	42
3	Kinross Primary School	40
4	Inglewood Primary School	34
5	Our Lady of Lourdes	34
6	Greenwood Primary School	34
7	East Butler Primary School	33
8	Pearsall Primary School	32
9	Quinns Rocks Primary School	32
10	Halidon Primary School	32
11	Mullaloo Beach Primary School	28
12	Madeley Primary School	25
13	North Morley Primary School	23
14	Carramar Primary School	22
15	Joondalup Education Support Centre	22
16	Glengarry Primary School	21
17	Karrinyup Primary School	20
18	Perth College Junior School	19
19	Mercy College	19
20	Boyare Primary School	18
21	St Mary's Anglican Girls' Senior School	18
22	Craigie Heights Primary School	18
23	Hillarys Primary School	18
24	Newborough Primary School	17
25	West Balcatta Primary School	17

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

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.



E-waste

MRC councils are active in the collection and recycling of e-waste. March and April 2019 continued to see Balcatta and Tamala Park continue to top the Total Green Recycling's leader board.

Top 5 performing councils in WA

Congratulations to our TOP 5 e-waste recycling councils in March 19'.

- **City of Stirling = 49.02 T**
- **Mindarie Regional Council (Tamala Park Waste Facility) = 19.82 T**
- **City of Busselton = 14.76 T**
- **Bunbury Harvey Regional Council = 9.85 T**
- **Shire of Mundaring = 6.4 T**

Top 5 performing councils in WA

Congratulations to our TOP e-waste recycling champions in April 19'.

- **City of Stirling** = 47.7 T
- **Mindarie Regional Council (Tamala Park Waste Facility)** = 15.3 T
- **Shire of Northam** = 8.21 T
- **City of Kalamunda** = 6.42 T
- **City of Melville** = 5.2 T

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. Meetings were held at the CoS Depot (March) and the CoV Depot (April).

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:

- 3 bin systems, implementation
- FOGO
- Yellow lid recycling, consistent messaging
- Illegal dumping
- 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

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 council's 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 provides both content and feedback on elements of the campaign.



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

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.