

INFORMATION BULLETIN

Issue No. 31 October 2016



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RESOURCE RECOVERY FACILITY UPDATE REPORT					
File No:	WST/13-05				
Attachment/s:	Nil				
Date:	5 October 2016				
Prepared by:	Director Corporate Services				

This report presents a summary of activities that have taken place in the reporting period covering 12 August 2016 to 5 October 2016.

ONGOING MATTERS

The Resource Recovery Facility (RRF) has now returned to full production and there are no ongoing matters which need to be addressed.

OPERATIONAL INFORMATION

Waste Delivery

Waste Delivery Summary for Reporting Period

MONTH	SCHEDULED TONNES	DELIVERED TONNES	DIFFERENCE TONNES		
August 2016	9,200	10,751	1,551		
September 2016	8,800	10,345	1,545		

For the 8th Contract Year, for the period to 30 September 2016, the RRF was 3,811 tonnes ahead of schedule as a result of additional throughput at the plant to cover a planned maintenance outage in October 2016.

With the exception of the composter replacement, the RRF is operating as anticipated in the Resource Recovery Facility Agreement (RRFA), with average availability of 81% 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 (April 2016 to September 2016) has stabilised at 52.4% with a Waste Diversion Target of 51.3%.

Community Complaints

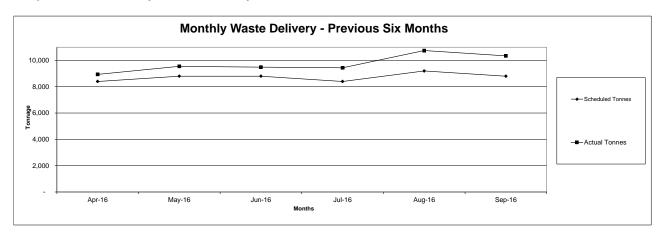
BioVision last met with its community stakeholder group on 30 November 2015 and no serious issues were raised.

COMMUNITY COMPLAINTS SUMMARY FOR THE REPORTING PERIOD

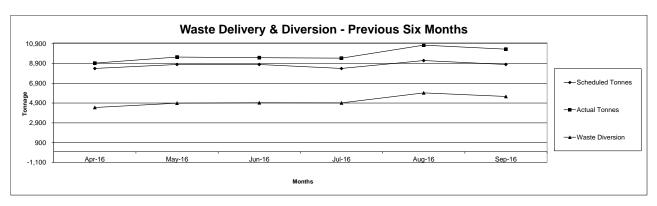
Date	Complaint	Outcome			
Nil	No complaints have been received	Nil	Nil		

The graphs below provide data up to 30 September 2016.

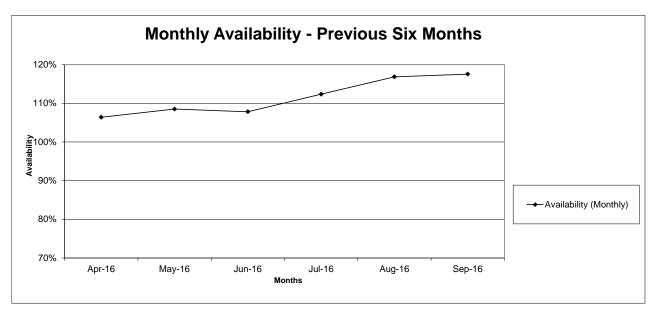
Graph No. 1 – Monthly Waste Delivery – Previous Six Months



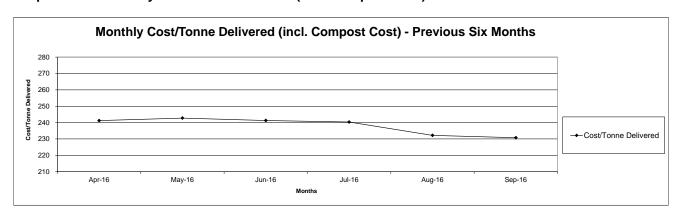
Graph No. 2 – Waste Delivery & Diversion – Previous Six Months



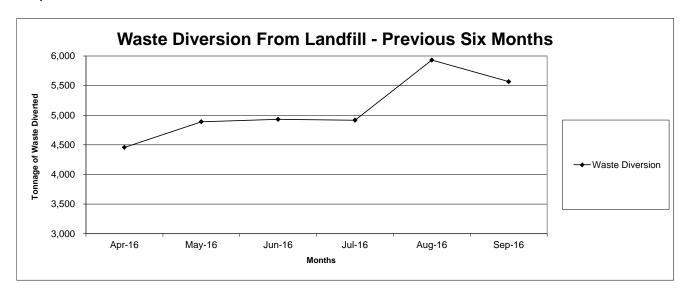
Graph No. 3 – Monthly Availability – Previous Six Months



Graph No. 4 – Monthly Cost/tonne Delivered (incl. Compost Cost) – Previous Six Months



Graph No. 5 – Waste Diversion from Landfill – Previous Six Months



Performance Indicators

KPI's as per the RRFA are as follows:

Table No. 1 – KPI Summary (to 30 September 2016)

KPI		Previous 6 Months	Aug	Sep	
Availability*	95%	112%	117%	118%	
Environmental Standard - Number of Breaches	0	0	0	0	
Waste Diversion	51.3%	52.4%	55.2%	53.8%	
Quality of Compost - Number of Breaches**	0	2 (Jun/Aug)	1	0	
Quantity of Recyclable Packaging ***	0.80%	n/a	1.09%	1.27%	
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.

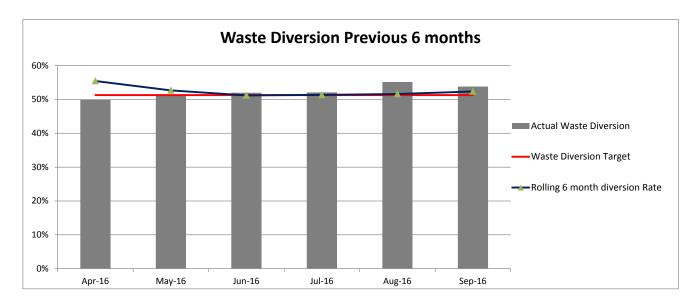
^{**} The compost standard within the RRFA was amended by the revisions to the RRFA approved by Council at its meeting of 6 December 2012 and signed under common seal in May 2013.

^{***} 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 (April 2016 to September 2016) has been 53.8%.



Project Advisory Group (PAG) as at 5 October 2016

MRC Representatives:

Cr Dot Newton JP Brian Callander (CEO) Gunther Hoppe Cr Samantha Jenkinson (Deputy)

BioVision Representatives:

Craig Barker Emmanuel Vivant Nial Stock Alan Turner (Alternate)

Chairperson:

Ian Watkins

The PAG last met on 10 August 2016.

Items dealt with by the group included:

- Contract Variations (including the maintenance cost discussions)
- Composter Structural Issues
- BioVision Monthly Report/Update
- Compost Marketing and Compost Quality
- Residue management
- Insurance

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 2016/17 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 2016/17 Financial Year – for the period ended 30 September 2016

Mindarie Regional Council OPERATING STATEMENT

For the month ended 30 September 2016

Description	Adopted Budget	YTD Budget	YTD Actual	\$ Variance	% Variance
Employee Costs Salaries					
Allowances					
Workers Compensation Premium	_	_	_	_	
	-			-	
Consultants and Contract Labour					
Consultancy	15,000	4,800	4,757	(43)	(0.90%)
Contract Labour External		-	-	-	
	15,000	4,800	4,757	(43)	(0.90%)
Office Expenses					(00.050)
Cleaning of Buildings	11,000	2,750	2,138	(612)	(22.25%)
Information Custom Funances	11,000	2,750	2,138	(612)	(22.25%)
Information System Expenses	20,000	4,500	3,871	(620)	(12 000/)
Computer System Maintenance	20,000	4,500	3,871	(629) (629)	(13.98%) (13.98%)
Building Maintenance	20,000	4,500	3,071	(623)	(10.36 /6)
Building Maintenance	12,500	750	389	(361)	(48.07%)
Building Security	5,000	500	530	30	5.95%
Zananig Coodiny	17,500	1,250	919	(331)	(26.46%)
RRF Operation Expenses		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(22.7)	(=======
Fencing and Gate Maintenance	10,000	-	_	-	
Road Maintenance	-	-	-	-	
Bores and Pipework	10,000	-	-	-	
Vehicle Wash Facility Operations	-	-	-	-	
Landscaping and Gardens	12,000	1,100	1,113	13	1.16%
Compost Disposal	408,300	82,200	114,729	32,529	39.57%
Contractor's Fees	25,521,000	6,635,460	7,072,844	437,384	6.59%
RRF Maintenance Funding	250,000				
HARRY	26,211,300	6,718,760	7,188,686	469,926	6.99%
Utilities	10,000	2,500		(2.500)	(100.00%)
Electricity Rates	25,829	6,457	26,791	(2,500) 20,334	(100.00%) 314.90%
Raics	35,829	8,957	26,791	17,834	199.10%
Insurance		0,007	20,701	11,004	100.1070
Municipal Property Insurance	3,000	750	_	(750)	(100.00%)
Public Liability Insurance	5,600	1,400	_	(1,400)	(100.00%)
,,	8,600	2,150		(2,150)	(100.00%)
Cost of Borrowings				, , ,	
Interest on Loans	82,472	20,618	11,833	(8,785)	(42.61%)
Loan Expenses		-	1,065	1,065	
	82,472	20,618	12,898	(7,720)	(37.44%)
Amortisations					
Amortisation Pre-operating Costs	104,700	26,175	26,175	-	0.00%
Amortisation Costs	386,648	96,662	96,662	-	0.00%
	491,348	122,837	122,837	•	0.00%
Danvasiation					
Depreciation	23,600	5,900	3,934	(1,966)	(22 220/)
Depreciation on Building Depreciation on Infrastructure	26,700	6,675	3,934 4,449	(2,226)	(33.33%) (33.34%)
Depreciation on initiastructure	50,300	12.575	8,383	(4,192)	(33.33%)
	30,000	12,375	5,000	(4,132)	(00.00 /0)
Total Operating Expenditure	26,943,349	6,899,197	7,371,280	474,309	6.87%
		,,	,,	,	
Net Total	(26,943,349)	(6,899,197)	(7,371,280)	(474,309)	6.87%
	, , , , , ,	,	,	, , , , , ,	

COMMUNICATIONS AND EDUCATION REPORT						
File No:	WST/178-02					
Attachment(s):	Nil					
Date:	5 October 2016					
Responsible Officer:	Education Manager					

Communication and Education Report – July/August 2016

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

- 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 and to divert waste from landfill.

This is largely done through the provision of:

- · advocacy for change at various levels,
- 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), 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.
- the State Waste Educator Groups (WMAA-WA WEWG and 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 Education Team has an advocacy role in the development, promotion and delivery of waste messages and materials to the broader community, in addition to providing advice and support for various waste projects with the view to improve waste minimisation and diversion from landfill.



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.

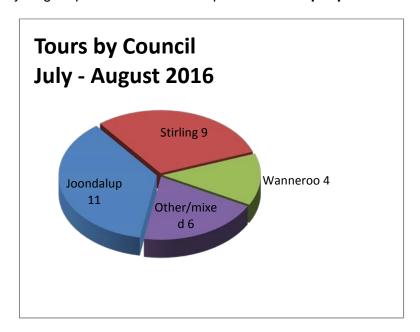
This report will look to summarise the education activity for the months of July and August 2016.

Community Engagement

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 the July/August period 30 tours took place with 613 people.



TOURS BY LOCATION						
	Number					
Tamala Park	20					
RRF	1					
TP & RRF	9					
TP & Balcatta	0					
TP, RRF & Gas & Landfill	0					
TOTAL	30					

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.

TOURS BY (GROUP
	Number
Schools	19
Business	6
Community	5
Out of School	0
Tertiary	0
TOTAL	30

Schools that visited the facilities during this period included: St Stephens (CoJ &CoW), Carine SHS (CoS), Mirrabooka Ed Support Centre (CoS), Mater Dei College (CoJ), South Padbury PS (CoJ), Christ Church Grammar, St Andrews CPS (CoW), Australian Islamic College (CoS), Quintilian School and Our Lady Of Good Counsel PS (CoS), Three home school groups also visited.

Roaming Recycler Waste Education Display

The Winter period tends to be a very quiet period for displays and events and this year was no exception with only three community events being held throughout the Region, one in the City of Perth (Science Week), one in Town of Cambridge and one in the City of Wanneroo.

Visits, Talks and Workshops

Talks and visits to schools and community groups remains 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 range from an hour through to a full day and, in the case of schools, may be for single classes or for the whole school.

During the July/August period 18 visits/talks were conducted with 12 of them looking at waste organics, home composting and worm farming.

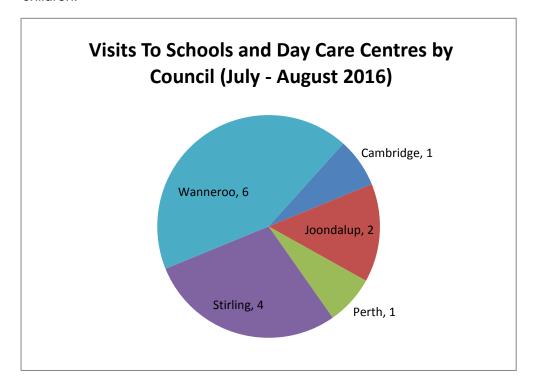
VISITS/TALKS							
	Number						
Cambridge	1						
Joondalup	3						
Perth	1						
Stirling	6						
Victoria							
Park	0						
Vincent	0						
Wanneroo	6						
Other	1						
TOTAL	18						

TYPES OF TALKS	
	Number
Waste & recycling	4
Composting, worms & gardens	12
Nude Your Food	1
Battery assembly	0
Other	1
TOTAL	18

Schools

With the 2016 school year beginning all schools in the region where sent a flyer to inform them of the services the MRC offers to them. In consultation with MRC's education team schools can then use the services MRC provides to enhance their curriculum. Tours talks, workshops and activities can be tailored to meet the individual requirements of the school. The MRC Education Team are developing a closer working relationship with Waste Wise Schools to develop a broader and more consistent waste education program into schools throughout the region.

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.



Schools visited included: Wembley Downs PS (CoS), Mindarie SC (CoW), Montessori School Kingsley (CoJ), Peter Moyes CS (CoJ), Joondalup Ed Support (CoJ), Quinns Rocks PS (CoW), North Perth PS (CoV), Butler College (CoW), Tiny Beez Day Care (CoS) and OSC Liawarra (CoJ).

Earth Carers

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 Earth Carers are seen as long term valued people interested in waste and spreading a 'Waste Less' message. Since 2008 over 400 people have completed the MRC Earth Carer training courses and of them 345 are still active, a good retention rate.

The next Earth Carers training course began in August 2016 with 19 people attending.



The 6 monthly Earth Carer training course was held in August. 19 graduated the 5 session, 3 week course that included tours of the landfill and composting facility, visits to City Farm, a community garden and REmida reuse centre. Attendees saw how their waste is dealt with by the council services and then how they could reduce their own quantities by processing more at home and correct disposal of tricky materials. A big part of the course is how we communicate the message to others, and how we can reduce our waste production initially. We maintain contact after the course, with Earth Carers assisting at events on an MRC stall, in schools, and through on going workshops we offer. 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.

Staying Connected

'Earth Carers North' Facebook page continues to grow, now with 507 likes, with a weekly reach of between 300 and 2,000 people and over 70 regular contributors/engaged. This has proved a great way to enable the Earth Carers to stay connected and discuss issues of interest.

EC Events in July / August

Plastic Free July Workshop at Currambine Community Centre (65 people of which 19 were Earth Carers)

MRC hosted an afternoon with a speaker Earth Carer Lindsay Miles (blog 'Treading My Own Path') who gave insight and her experiences into moving to a reduced plastic lifestyle. This was followed by a number of workshops run by Earth Carers on making your own products -from waxed lunch wraps to toothpaste. The workshop was well received from the general public attendees and the Earth Carer participants.

PFJ Workshop at Two Rocks (15 people attended)

A Plastic Free July workshop promoted and organised by City of Wanneroo staff, following a screening of 'Bag it' movie earlier in June. The workshop was held in the Two Rocks library with demonstrations by Earth Carers and MRC staff on 'making your own' to show how to reduce plastic packaging and also make products and foodstuffs superior in quality, price and with less additives. Again well received by all who attended.

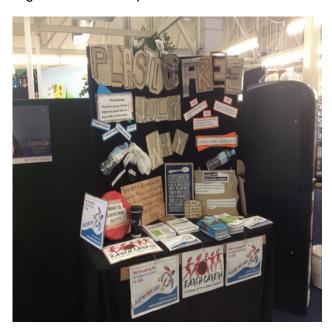
Tree Planting

The annual tree planting organised by Tamala Park Environment team had one Earth Carer attendee (due to timing). Helpers plant local species in particular Carnaby cockatoo attracting trees to assist in revegetating the site

Plastic Free July

As a community awareness project to encourage people to engage with behaviours higher in the Waste Hierarchy, in this case Avoid/Reduce, the Plastic Free July is a campaign that has gained considerable traction over the years. It can be as simple or as taxing as one wants to be but it is always a challenge.

In the lead up to and during July the MRC had a Plastic Free display visit many of the regions libraries to promote the event.



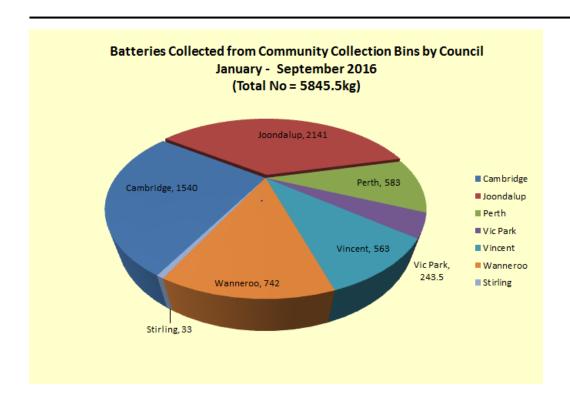
Reduce, Reuse, Recycle and Dispose Wisely

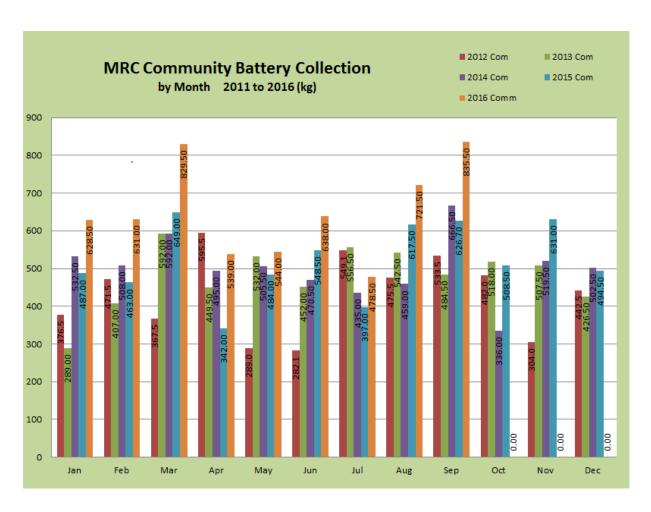
There are many items that the MRC and the Member Councls no longer want residents to put in any of the verge collection bins (green, yellow or red). A number of programs have been set up in the Region to help dispose of these items effectively.

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 following are collection figures for MRC battery collection bins and recycling stations. These figures do not include those of the City of Stirling who operate their own battery collection program.



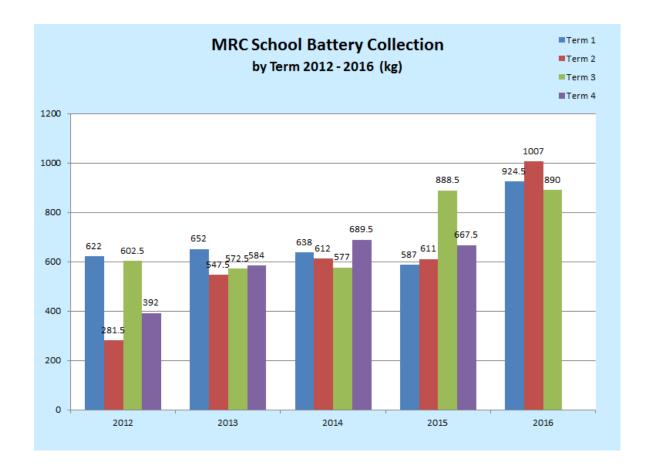


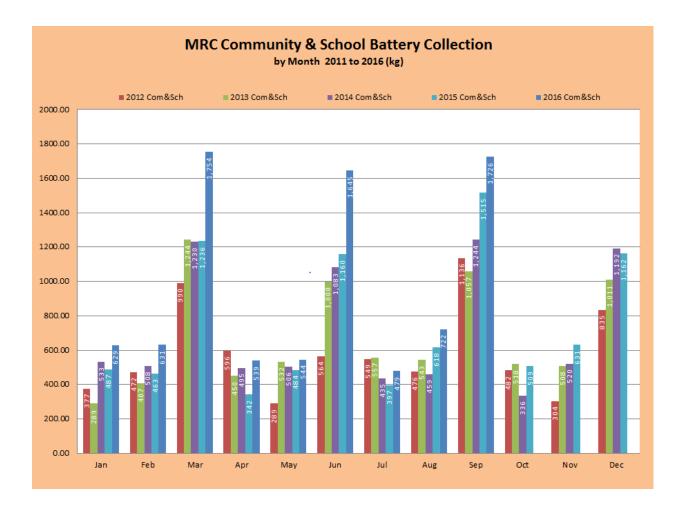
The schools battery program continues to grow. The schools find it is a good way to engage students in a meaningful recycling program. From an MRC point of view it offers

collection sites throughout the community and unlike the public battery collection bins the school ones are generally free of contamination.

The MRC has 83 schools in the program – 66 in the North Area, 17 in the South Area.

City of Stirling operate their own schools battery program and their figures are not included here.





The battery program is particularly inportant 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.

Recycling Stations

The community has responded well to local community drop off points for batteries and cfl globes resulting in the trial to expand the number and types of problematic wastes collected. The MRC in response to this need for a multi-purpose recycling station have upgraded the CFL recycling stations (below) to enable them to now accept not only CFL's but batteries, ink cartridges, mobile phones and in some cases all other non-cfl globe types.

The MRC is working with the member councils to find suitable locations for additional recycling stations to be located throughout the community.



Other items collected, Jan – Sept 2016:

Cfls

· 2016	72	81	94.5	65.5	58.5	72	71	67.5	102.5		684.5
Cambridge	37.5	43.5	415	29	24	22	32	17	40		286.5
Joondalup	20	23	23	20	18	13	15	36	25		193
Perth						5			5		10
Vio Park	0.5	2	5.5	3	2.5	6	5	1	7		32.5
Vincent	13	11	22	12	10	23	16	10	24		141
Wanneroo	1	1.5	2.5	1.5	4	3	3	3.5	1.5		21.5
OU.L.											

Ink cartridges

· 2016	18	18.5	14.5	13.5	14.5	21.5	23.5	19	39		182
Cambridge	17	16.5	12.5	12.5	13	15	22	17	28		153.5
Joondalup											
Perth						4			6		10
Vio Park	1	2	2	1	1	1	1	0.5	2		11.5
Vincent											
Wanneroo					0.5	1.5	0.5	1.5	3		7

Mobile phones

g 2016	11	16	7.5	8	7.5	7	9	12	26		104 93.5
Cambridge	11	15.5	7.5	7	6.5	6	8	10	22		93.5
Joondalup											
Perth						0			0		0
Vio Park	0	0.5	0	1	1	1	0.5	0.5	1.5		6
Vincent											
Wanneroo					0	0	0.5	1.5	2.5		4.5



E-Waste

The MRC has an e-waste contract that covers all of its member councils enabling free recycling of computers, TVs and other peripheral items that can be plugged into these devices. In addition to providing a permanent drop off site at Tamala Park this contract has enabled member councils to review the way they handle e-waste, for example, the City of Joondalup has banned e-waste from its verge collections through holding regular e-waste collection days throughout the year.

E-waste collection events took place in the City of Joondalup and the Town of Cambridge in September. The MRC is currently working with Member Councils and the E-waste recycler, Infoactiv, to establish a program of e-waste collections throughout the region for 2017.

Glass

The 'No Glass' Campaign, to create behavioural change by residents to reduce the glass component in the compost, was rolled out into the participating councils, these being Cities of Joondalup, Vincent and Wanneroo and the Town of Victoria Park. These being chosen as they currently deliver the majority of waste received by the RRF.

The project uses a sticker placed on all the green lid bins and a flyer to explain why glass in the green lid bin is an issue. The sticker campaign was supported by advertising in newspapers and online via council websites and social media networks. Removing the glass from the green top bin having many potential benefits.



No Glass displays and banners have been taken to all events held within the participating councils to promote the campaign and engage in discussion with the community. Surveys were also conducted to gauge resident awareness of the campaign and behaviour change as a result. Most of the feedback has been very positive.



The campaign achieved successful results in significantly reducing the glass contamination of the RRF produced compost. In recognition of this at the recent Waste and Recycling Conference in Fremantle the MRC was awarded an Infinity Award by the Wsate Authority.

However since the campaign glass levels have steadly risen again indicating the need for continual education in this area if the results are to be maintained.



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 Member Councils. 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 in 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 a Regional calendar being developed to help streamline communications, messaging and coordination between both the MRC and the Member Councils and the Member Councils themselves. This to share the load and get best value for the Region, including looking at ways to improve waste diversion figures for the Region.

Event planning, Compost in May, Plastic Free July, Garage Sale Trail, e-waste and HHW events, public place recycling initiatives and clothes drop off days have all been discussed at the meetings.

Waste Educators

The MRC education team participates in the State Waste Educators Working Groups (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.

This group meets monthly to share ideas, programs and resources. It is WMAA-WA most active working groups.

Every year the group has promoted into their communities events like Compost in May, Garage Sale Trail, Plastic Free July and Recycling Week. The group has a site at the Perth Royal Show to promote 'waste less' messages and is involved in projects like e-waste recycling, HHW and battery/fluoro recycling programs.

The group for 2016 is looking at developing resources and a campaign to target nappies and their correct disposal, many of which are disposed of incorrectly in the recycling bin. The campaign will also focus on reducing the number of disposable nappies which totals millions each year in Australia.



DOCUMENTS EXECUTED BY AFFIXING THE COMMON SEAL					
File No:	GOV/38				
Appendix(s):	Nil				
Date:	6 October 2016				
Responsible Officer: Chief Executive Officer					

During the period 19 August 2016 to 6 October 2016, two (2) documents were executed by affixing the Common Seal. A summary is provided below:

Date	Document	Signed/Sealed
26/08/2016	Contract – Braxford Consultancy	Sealed and signed by Chair and CEO
14/09/2016	Maintenance Deed – Mindarie Regional Council / SUEZ Recycling & Recovery Pty Limited / BioVision 2020 Pty Ltd	Sealed and signed by Chair and CEO

If further information is required on the documents signed under common seal please contact the Chief Executive Officer, Brian Callander on 9306 6302.