

TECHNICAL ADVISORY COMMITTEE

MINUTES

9 August 2018

(REF: D2018/09692)

A meeting of the Technical Advisory Committee was held at the EMRC Administration Office, 1st Floor, 226 Great Eastern Highway, BELMONT WA 6104 on **Thursday, 9 August 2018**. The meeting commenced at **4:00pm**.

TABLE OF CONTENTS

1	DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS	1
2	ATTENDANCE, APOLOGIES AND LEAVE OF ABSENCE (PREVIOUSLY APPROVED)	1
3	DISCLOSURE OF INTERESTS	1
4	ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION	1
5	PETITIONS, DEPUTATIONS AND PRESENTATIONS	2
6	CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS	2
6.1	<i>MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 10 MAY 2018 (Ref: D2018/00090)</i>	2
7	QUESTIONS BY MEMBERS OF WHICH DUE NOTICE HAS BEEN GIVEN	2
8	QUESTIONS BY MEMBERS WITHOUT NOTICE	2
9	ANNOUNCEMENT OF CONFIDENTIAL MATTERS FOR WHICH MEETINGS MAY BE CLOSED TO THE PUBLIC	2
10	BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING	2
11	REPORTS OF EMPLOYEES	3
11.1	<i>TENDER 2017-002 – HAZELMERE RESOURCE RECOVERY PARK DEVELOPMENT – STAGE 2 (Ref: D2018/09659)</i>	3
11.2	<i>WASTE & RECYCLE 2018 CONFERENCE - SEPTEMBER 2018 (Ref: D2018/09688)</i>	8
11.3	<i>ITEMS CONTAINED IN THE INFORMATION BULLETIN (Ref: D2018/09734)</i>	22
12	REPORTS OF DELEGATES	22
13	NEW BUSINESS OF AN URGENT NATURE APPROVED BY THE CHAIRMAN OR PRESIDING MEMBER OR BY DECISION OF MEETING	22
14	CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC	22
15	FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE	23
16	DECLARATION OF CLOSURE OF MEETING	23



1 DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS

The Acting Chief Executive Officer opened the meeting at 4:00pm and welcomed Mr Brett Jackson the new Director Asset Services of the City of Kalamunda and Mr Steve Morrison, the Acting Director Technical Services from the City of Belmont.

2 ATTENDANCE, APOLOGIES AND LEAVE OF ABSENCE (PREVIOUSLY APPROVED)

Committee Members

Mr Jim Coten (Chairman)	Executive Manager Operations	City of Swan
Mr Simon Stewert-Dawkins (from 4:04pm)	Director Operational Services	Town of Bassendean
Mr Doug Pearson	Director Technical Services	City of Bayswater
Mr Steve Morrison	Acting Director Technical Services	City of Belmont
Mr Brett Jackson	Director Asset Services	City of Kalamunda
Mr Shane Purdy	Director Infrastructure Services	Shire of Mundaring
Mr Hua Jer Liew	Acting Chief Executive Officer	EMRC

Apologies

Mr Ric Lutey	Director Technical Services	City of Belmont
Mr Peter Schneider	Chief Executive Officer	EMRC

EMRC Officers

Mr Stephen Fitzpatrick	Director Waste Services
Mr Dave Beresford	Manager Resource Recovery
Ms Annette Rakich	Administration Officer (Minutes)

As the Chairman was on leave and the Deputy Chairman had recently resigned, the Acting Chief Executive Officer explained to members that in accordance with section 3.3 of the EMRC Standing Orders and section 5.6(3) of the *Local Government Act 1995*, members are to choose someone present to preside at the meeting.

The Acting Chief Executive Officer called for nominations for the appointment of a member to preside at the meeting.

Mr Jim Coten nominated himself.

There being no further nominations, Mr Coten assumed the role of the Presiding Member at 4:02pm.

3 DISCLOSURE OF INTERESTS

Nil

4 ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION

Nil



5 PETITIONS, DEPUTATIONS AND PRESENTATIONS

Nil

6 CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

6.1 MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 10 MAY 2018

That the Minutes of the Technical Advisory Committee meeting held on 10 May 2018 which have been distributed, be confirmed.

TAC RESOLUTION(S)

MOVED MR PEARSON SECONDED MR PURDY

THAT THE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 10 MAY 2018 WHICH HAVE BEEN DISTRIBUTED, BE CONFIRMED.

CARRIED UNANIMOUSLY

7 QUESTIONS BY MEMBERS OF WHICH DUE NOTICE HAS BEEN GIVEN

Nil

8 QUESTIONS BY MEMBERS WITHOUT NOTICE

Nil

9 ANNOUNCEMENT OF CONFIDENTIAL MATTERS FOR WHICH MEETINGS MAY BE CLOSED TO THE PUBLIC

Nil

10 BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING

Nil



11 REPORTS OF EMPLOYEES

11.1 TENDER 2017-002 - HAZELMERE RESOURCE RECOVERY PARK DEVELOPMENT – STAGE 2

REFERENCE: D2018/09659

PURPOSE OF REPORT

The purpose of this report is to award Tender 2017-002 for the Hazelmere Resource Recovery Park Development - Stage 2 and finalise a contract with the preferred tenderer.

KEY ISSUES AND RECOMMENDATION(S)

- A tender for the Hazelmere Resource Recovery Park Development - Stage 2 was advertised on 25 April 2018 and closed 31 May 2018.
- The successful tenderer will be required to undertake all works associated with the Stage 2 development including the construction of a new commercial entrance, internal roads and asphalt pavement, a storm water basin, drainage network and other underground services installation.

Recommendation(s)

That Council:

1. Award Tender 2017-002 Hazelmere Resource Recovery Park Development - Stage 2 to Densford Civil Pty Ltd for \$2,329,786.58 (ex. GST).
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Densford Civil Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed on between the CEO and Densford Civil Pty Ltd.
3. Authorise a 10% contingency on the contract sum for contract variations for Tender 2017-002 Hazelmere Resource Recovery Park Development - Stage 2.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

The EMRC is developing a full scale purpose built Resource Recovery Park (RRP) at 77 Lakes Road, Hazelmere.

At present the Hazelmere Resource Recovery Park (HRRP) has several ongoing operations including timber recycling, mattress processing, Commercial and Industrial (C&I) Waste Sorting and a Wood Waste to Energy Plant (WWTE) which is currently under construction.

Considering recent expansion in the HRRP and in order to maintain a high level of safety and service to our customers and member Councils, and as part of the HRRP development plan, the EMRC is intending to develop a separate commercial entrance and dedicated heavy truck access road along the site's eastern boundary in order to separate heavy commercial vehicles from public traffic when the community section is developed in coming years.



Item 11.1 continued

REPORT

A tender for the Stage 2 development of the HRRP was advertised on 25 April 2018 in the West Australian newspaper and on TenderLink.

The successful contractor will be required to undertake all works associated with the Stage 2 development including the construction of a new commercial entrance, internal roads and asphalt pavement, a storm water basin, drainage network and other underground service installation with an anticipated construction period of twenty six (26) weeks from site possession.

The scope of work includes, but is not limited to the following:

- a) Site clearing, detailed earthworks, cut and fill construction, installation of underground utility services including drainage, power and telecommunication, water reticulation, existing service removal and/or relocation, existing concrete/asphalt cut and removal, fence work, two (2) new weighbridge pad formations, retaining wall, kerb installation and footpath construction;
- b) Road work including road formation, sub-base and base course construction, spray seal and hot mix asphalt paving;
- c) Storm water basin construction;
- d) Building pad construction;
- e) Supply and install bio-retention garden units;
- f) Stone pitching works;
- g) Minor concrete works;
- h) Setting out, survey marks and spot levels; and
- i) Supply of "as constructed" drawings and Manufacture Data Report (MDR) for the work under contract.

The contractor will also be required to fulfil all other works that are reasonably within their capabilities, per the requirements described in the Specification and as shown on the Drawings, Reference Documents and complying with the AS4000-1997 General Conditions of Contract including Annexure Part A and B, together with any additional work or variations ordered by the Superintendent or Superintendent's Representative.

Twelve (12) Contractors attended a mandatory Tender briefing/site inspection held at the HRRP.

Nine (9) compliant submissions were received as follows:

1. All Earth Group
2. APH Contractors
3. Advantearing
4. Densford Civil Pty Ltd
5. Remote Civil Australia
6. Tracc Civil Pty Ltd
7. Vera Group
8. WBHO Infrastructure
9. West Coast Profilers



Item 11.1 continued

An evaluation panel of EMRC officers assessed the nine (9) submissions on the following criteria:

Description of Qualitative Criteria	Weighting
(a) Demonstrated experience in completing similar works.	25%
(b) Tenderer's Resources and Organisational Capability - Skills and Experience of key personnel.	20%
(c) Safety Management Plan, Traffic Management Plan and OS&H.	10%
(d) Environmental Management Plan.	5%

Price was evaluated using a weighted cost criteria as follows:

Criteria	Weighting
Tendered price inclusive of all plant, equipment, labour and materials etc. required to complete the works, based on Tendered Schedule of Rates	40%

After combining the weighted scores for both the qualitative criteria and price, Densford Civil Pty Ltd represented the highest rated overall assessment.

Based on the panel's evaluation, the tender from Densford Civil Pty Ltd demonstrated the most advantageous submission and is considered to offer the best value for money.

A contingency allowance of 10% on the contract sum is included in the recommendation to allow for unforeseen conditions the contractor may encounter.



Item 11.1 continued

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.1 To provide sustainable waste disposal operations
- 1.3 To provide resource recovery and recycling solutions in partnership with member Councils

FINANCIAL IMPLICATIONS

The cost of Hazelmere Resource Recovery Park Development - Stage 2 is provided for in the 2018/2019 budget. Based on the tendered schedule of rates, the estimated contract sum is \$2,329,786.58 (ex GST).

SUSTAINABILITY IMPLICATIONS

The proposed new entrance and associated civil works will provide for more sustainable waste management at the Hazelmere Resource Recovery Park.

MEMBER COUNCIL IMPLICATIONS

Member Council	Implication Details
Town of Bassendean	} Nil
City of Bayswater	
City of Belmont	
City of Kalamunda	
Shire of Mundaring	
City of Swan	

ATTACHMENT(S)

Nil

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That Council:

1. Award Tender 2017-002 Hazelmere Resource Recovery Park Development - Stage 2 to Densford Civil Pty Ltd for \$2,329,786.58 (ex. GST).
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Densford Civil Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed on between the CEO and Densford Civil Pty Ltd.
3. Authorise a 10% contingency on the contract sum for contract variations for Tender 2017-002 Hazelmere Resource Recovery Park Development - Stage 2.



Item 11.1 continued

Discussion ensued

The Manager Resource Recovery provided a brief presentation and updated the members on the Hazelmere Resource Recovery Park Development – Stage 2 works which was the subject of the tender.

Mr Stewart-Dawkins entered the meeting at 4:04pm.

TAC RECOMMENDATION(S)

MOVED MR PEARSON

SECONDED MR PURDY

That Council:

1. Award Tender 2017-002 Hazelmere Resource Recovery Park Development - Stage 2 to Densford Civil Pty Ltd for \$2,329,786.58 (ex. GST).
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Densford Civil Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed on between the CEO and Densford Civil Pty Ltd.
3. Authorise a 10% contingency on the contract sum for contract variations for Tender 2017-002 Hazelmere Resource Recovery Park Development - Stage 2.

CARRIED UNANIMOUSLY



11.2 WASTE & RECYCLE 2018 CONFERENCE - SEPTEMBER 2018

REFERENCE: D2018/09688

PURPOSE OF REPORT

The purpose of this report is to advise Council of the upcoming Waste & Recycle 2018 Conference being held at Crown Towers, Perth between 5 - 7 September 2018.

KEY ISSUES AND RECOMMENDATION(S)

- The WA Waste & Recycle 2018 Conference is to be held at Crown Towers, Perth between 5 - 7 September 2018.

Recommendation(s)

That:

1. Councillors and officers note the dates of the WA Waste & Recycle 2018 Conference.
2. Councillor(s) _____ be authorised to attend the WA Waste & Recycle 2018 Conference.
3. Two places to the WA Waste & Recycle 2018 Conference be offered to the Waste Management Community Reference Group (WMCRG) in the event that some members may wish to attend.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

Advice has been received that the WA Waste & Recycle 2018 Conference is to be held between 5 - 7 September 2018 at Crown Towers, Perth and that this year's Conference theme is "Moving forward with local solutions." The program will again feature tours on Wednesday 5 September 2018, followed by the conference sessions on Thursday 6 September 2018 and Friday 7 September 2018.

REPORT

The WA Waste & Recycle Conference is an annual event which caters to those involved in waste management, resource recovery and recycling. In 2017 and prior years, two (2) EMRC Councillors and two (2) WMCRG members attended the Waste & Recycle Conference.

The conference streams build on this year's theme "Moving forward with Local solutions" and includes papers on:

1. Effective Landfill management – providing an understanding of best practice approaches and innovative ideas in regards to landfill management.
2. Collection systems – exploring kerbside, verge side and drop off collection systems.
3. Waste to Energy – looking at market development, sustainable procurement and using recycled material in civil works relating to waste and energy.
4. Behaviour change and community engagement – reviewing research, best practice examples and options for waste avoidance in relation to behaviour change.
5. Container Deposit Scheme.
6. Innovative approaches to waste management.
7. Innovation and dealing with problematic waste.



Item 11.2 continued

The conference, hosted by the Waste Management Association of Australia (WMAA), Department of Waste and Environmental Regulation (DWER) and Western Australian Local Government Association (WALGA), is still the leading waste and resource recovery event in Western Australia.

Registration includes access to internal exhibition displays, the opportunity to hear several international and interstate keynote speakers. There are also networking opportunities over morning, afternoon tea and lunch breaks and attendance also allows for participants to share experience and knowledge with peers on previous achievements and successes and interact with others in the waste and recycling industry.

The preliminary conference program with details of keynote speakers and tours are provided in Attachment 1.

The tours this year include full day and half day tours on Wednesday 5 September, 2018 covering transfer stations, landfill and composting, research at Edith Cowan University, mattress recycling and re-use shops.

The conference program covers a range of issues that are generally of interest to the EMRC. The 2018 conference assessment form is attached (Attachment 2). The early bird registration fee is available until Wednesday 29 August 2018 for the EMRC given our on-going support for the conference. The conference registration form is provided in Attachment 3.

The EMRC will be a bronze sponsor at the conference which includes an exhibition booth where it will provide an opportunity for EMRC staff to interact with delegates to promote and market the EMRC's waste services, products and seek business opportunities.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.1 To provide sustainable waste disposal operations
- 1.2 To improve regional waste management
- 1.3 To provide resource recovery and recycling solutions in partnership with member Councils
- 1.4 To investigate leading edge waste management practices

FINANCIAL IMPLICATIONS

The expenditure for councillor and officer attendance at conferences are budgeted each year. Similarly, an allowance of \$3,000 is made each year in the Resource Recovery Budget for WMCRG members to attend local conferences and seminars.

A full registration with early bird discount and attendance at networking events will cost \$900 per attendee with half day and full day tours costing \$125 or \$250 extra.

SUSTAINABILITY IMPLICATIONS

Nil



Item 11.2 continued

MEMBER COUNCIL IMPLICATIONS

Member Council	Implication Details
Town of Bassendean	} Nil
City of Bayswater	
City of Belmont	
City of Kalamunda	
Shire of Mundaring	
City of Swan	

ATTACHMENT(S)

1. Conference Program (Ref: D2018/10254)
2. Conference Assessment Form (Ref: D2018/09886)
3. Draft Conference Registration Form (Ref: D2018/10258)

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That:

1. Councillors and officers note the dates of the WA Waste & Recycle 2018 Conference.
2. Councillors _____ be authorised to attend the WA Waste & Recycle 2018 Conference.
3. Two places to the WA Waste & Recycle 2018 Conference be offered to the Waste Management Community Reference Group (WMCRG) in the event that some members may wish to attend.

TAC RECOMMENDATION(S)

MOVED MR STEWERT-DAWKINS

SECONDED MR PURDY

That:

1. Councillors and officers note the dates of the WA Waste & Recycle 2018 Conference.
2. Councillors _____ be authorised to attend the WA Waste and Recycle 2018 Conference.
3. Two places to the WA Waste & Recycle 2018 Conference be offered to the Waste Management Community Reference Group (WMCRG) in the event that some members may wish to attend.

CARRIED UNANIMOUSLY

**Waste & Recycle 2018 Conference “Moving Forward with Local Solutions”
Crown Towers, Perth 5 – 7 September 2018**

PROGRAM

Keynote Speakers:

Jaine Morris - The Circular Experiment **6 September 2018**

Jaine followed a somewhat unconventional career path early on, beginning what was to become a highly successful career as a Remote Area Nurse. Jaine spent several adventurous years working in some of the most geographically hostile environments in Australia. Jaine’s passion for the bush and her dedication to delivering compassionate and quality health care saw her build lasting relationships with the Kuuku Ya’u and Umpila people of Cape York – a feat she is immensely proud of.

Isolation was a great teacher of value for Jaine, she realised how little she needed things and how much she needed connection. Always the spontaneous one, Jaine decided to leave behind nursing and the bush and follow her sister into a completely new adventure, something she seems to spend a lot of her time doing. Jaine brings her resourcefulness and her unwavering passion for people to this project and as such we’ll call her the Sparkle of The Circular Experiment.

David Rogers - WRAP UK **6 September 2018**

David, Head of International Resource Management within WRAP GLOBAL, the international arm of UK Sustainability Charity, WRAP.

Now in his tenth year with the organisation, David has led projects in over 20 countries tackling food waste, plastics and increasing recycling. His particular areas of focus are on helping countries use voluntary agreements and citizen behaviour change campaigns, underpinned by solid evidence and evaluation, to tackle food waste and plastic pollution.

Clint Aitken - City of Perth **6 September 2018**

Clint, attained his Bachelors in Environmental Health in 2005 and has since worked for the City of Cape Town and in the food industry in South Africa. Clint moved to Perth at the end of 2008 and has worked for the City of Joondalup and the City of Perth in the field of Environmental Health.

In November 2016 he joined Waste and Cleansing for the City of Perth as the Commercial Waste Management Officer. In this position Clint has been involved in promoting and growing the recycling sector, focusing on commercial waste and diversion of food (organic) within Perth.

Trevor Bayley - Green Distillation Technologies **6 September 2018**

Trevor Bayley is the Chief Operating Officer of Green Distillation Technologies and joined the organisation as a foundation director and shareholder at their inception in 2009.

In this role he has wide supervisory responsibilities for the existing and planned processing facilities, as well as national and international enquiries.

March Amtsberg - Geofabrics Australasia **7 September 2018**

Marc is the Manager of the Geofabrics Australasia Waste and Mining Sector including their Design/R&D Laboratory. He has extensive experience providing design and performance advice for Geosynthetics in Landfill Lining and Capping Systems to ensure regulatory compliance to state EPA legislation. He has written a number of Technical Papers that focus on Landfill and Tailings drainage, filtration and liner design. Prior to this role he had 9+ years’ experience working as a Geotechnical and Geophysical Design Consultant in the Australian Mining industry with specific focus on waste containments.

Darren Lomman - Greenbatch

7 September 2018

Darren has turned his social entrepreneur background to bringing new innovative, local community solutions to the WA recycling industry.

For his dedication to community work, Darren had been recognised by the United Nations JCI as one of the Top 10 most outstanding young people of the world, a WA Young Australian of the Year, and has been recognised in the WA 40 under 40 business awards multiple times.

Having only been in the waste and recycling industry for a very short time he has made waves already and was recently appointed to the State Government's Waste Taskforce.

Daniel Grosso - GO2CUP

7 September 2018

Daniel has learnt more about resource efficiency through bringing a dishwashing initiative (GO2CUP) to life than in his experience engineering in the extractive resources industry, or his MBA specialising in environmental sustainability. Daniel's vision is for reusable to be the norm and works towards making that new world a reality.

Garth Lamb - Re.Group

7 September 2018

Garth started his career as a journalist and was the long-time editor of Inside Waste magazine, before moving to Hyder Consulting (now Arcadis) where he led a national team of strategic waste advisors, working with all levels of government and the private sector. In 2014 Garth joined Re.Group, an Australian company that specialises in recycling and the recovery of resources from waste.

As the Chief Development Officer, Garth's focus is on helping local communities to adopt systems and infrastructure that help to maximise the value of discarded materials. Garth is also National President of WMAA, the peak industry body representing Australia's waste and recycling sector.

Morne Hattingh - City of Karratha

7 September 2018

Morné had 12 years' experience in commercial construction before moving to Australia in 2013 and introduced to the waste industry by a colleague. Now specialising in landfill management he has managed Class III landfills, kerbside collection contracts and sanitation departments. He now leads the City of Karratha's City Services Department.

Martin Gravett - GHD

7 September 2018

Martin has over 25 years' experience in waste, from project inception to delivery, including AWT's, kerbside recycling and resource recovery processes. During 5 years with Cleanaway he led several waste transfer optimisation initiatives, including selecting vehicle configurations for the Brisbane Alliance contract. He now leads GHD's WA waste consulting team.

Lacey Webb – Mandalay Technology

7 September 2018

Lacey Webb is an experienced Waste Industry CFO turned Strategy and Compliance Expert with 13 years' experience spanning landfills, recycling facilities and quarries.

CPA qualified and completing a Masters in Business Process, Lacey is uniquely qualified to understand the industry from an operational, technical financial and transactional focus.

TOURS

1. Transforming Transfer Stations All Day Tour

This Tour showcases how you can transform your transfer station into a recycling centre, showcasing two of the newest sites in Perth. The City of Swans’ Recycle Centre was opened in 2017 and has been helping residents in Bullsbrook recycled what would have been wasted before. The Centre used recycled construction and demolition materials in its development. The City of Fremantle Recycle Centre has been operating for nearly a year and has been adding more and more materials to what residents can recycle. The Centres’ activities also include encouraging reuse and residents have left the Centre with some real treasures!

Tour Leader: Rebecca Brown

Meeting point: Crown Perth

Times: 9am- 4:30pm

2. Down South Day Trip All Day Tour

The Tour takes in the Bunbury Harvey Regional Council (BHRC) Landfill and Composting facility. The visit to the landfill will showcase the BHRC Reuse Shop, Household Hazardous Waste Facility and landfill operations. A number of Local Governments in the BHRC have had Food Organic and Garden Organic (FOGO) collection systems in place, on this tour you’ll hear about how they implemented their FOGO system, contamination management and see how the material collected is processed into organically certified compost! As an added bonus this site visit also includes a tour of Wren Oil’s recycling facility. Wren Oil recycle most of the used motor oil from Local Governments in WA and have been implementing local solutions for oil processing.

Tour Leader: Tazra Hawkins

Meeting point: Crown Perth

Times: 8am- 5pm

3. Studying Waste Half Day Tour - Morning

To move waste management forward and improve waste outcomes research and development is an essential element. On this Tour you’ll have the chance to take a behind the scenes look at Edith Cowan University laboratories and operations and hear from Masters and PhD students undertaking cutting edge research to improve waste management.

Tour Leader: Simeon Kendall

Meeting point: Crown Perth

Times: 8:30am- 12pm

4. Mattress Recycling – We’ve got it Sorted

Half Day Tour - Afternoon

Find out how mattresses are recycled, where the recyclables go and what social outcomes can be achieved.

Tour Leader: Evan Cocks

Meeting point: Crown Perth

Times: Half day (Afternoon)

5. Waste in Action!

Half Day Tour - Afternoon

Do you want to see what landfilling looks like in action? This tour visits Mindarie Regional Councils Tamala Park Landfill Site, where you’ll have the opportunity to see Airwell pumps in action, gain a detailed understanding of how to manage odour from landfill sites and discuss with the experts on site their rainfall management plan.

Tour Leader: Kathrine Goldsmith

Meeting point: Crown Perth

Times: 1:30pm- 5:00pm

6. Reuse Revolution

Half Day Tour - Morning

The Reuse Revolution has arrived, more and more Local Governments are looking at options to reduce waste to landfill and encourage its reuse. Reuse Shops (aka Tip Shops) provide a way for recycle centres, transfer stations and landfills to capture valuable materials. The tour visits two Reuse Centres at the City of Stirling and City of Armadale. Both have different approaches to managing their site, but achieve great results. All Tour attendees will also receive a copy of WALGA’s Better Practice Reuse Shop Guidelines, to help with setting up their own Reuse Shop when they get home!

Tour Leader: TBA

Meeting point: Crown Perth

Times: 8:30am- 12:45pm

**Waste & Recycle 2018 Conference “Moving Forward with Local Solutions”
Crown Towers, Perth 5 – 7 September 2018**

REGISTRATIONS

The Conference is recognised as one of the largest gatherings of thought leaders, educators and industry professionals in the waste and resource recovery sector.

The Conference, hosted by the Waste Management Association of Australia, Department of Water and Environmental Regulation and Western Australian Local Government Association, is still **the** leading waste and resource recovery event in Western Australia.

Conference Registration includes:

- Access to all Conference sessions on Thursday 6 September & Friday 7 September
- Tea breaks and lunches

Conference & Networking Registration includes:

- Access to all Conference sessions on Thursday 6 September & Friday 7 September
- Tea breaks and lunches
- Wednesday Welcome Drinks and Thursday Cocktail Reception

Day registration includes:

- Access to all Conference sessions on the selected day (Thursday or Friday)
- Tea breaks and lunches

Wednesday Tours are not included in the above registration types. These can be purchased as an additional function when completing your booking.

Earlybird pricing ends August 1 2018 (EMRC received an extension)

PRICING

\$800.00 Earlybird: Conference Only

\$900.00 Earlybird: Conference & Networking Events

\$500.00 Day Pass (Thursday/Friday)

\$920.00 Standard: Conference Only

\$1020.00 Standard: Conference & Networking Events

\$800.00 Program Committee: Conference & Networking Events

\$780 Speaker: Conference Only

ADDITIONAL FUNCTIONS

\$250.00 Wednesday Tours Full Day

\$125.00 Wednesday Tours Half Day

\$45.00 Wednesday Welcome Drinks

\$85.00 Thursday Cocktail Function

Preliminary Programme

(Extracted from the website and as at 30 July 2018 and is not complete and still being finalised.
Brochures are in the process of being finalised)

Moving forward with Local Solutions

Wednesday 5 September

Optional Tours (6).

- | | |
|-----------------------------------|----------|
| 1. Transforming Transfer Stations | Full Day |
| 2. Down South Day Trip | Full Day |
| 3. ECU University | Half Day |
| 4. Mattress Recycling | Half Day |
| 5. Waste in Action | Half Day |
| 6. Reuse Shops | Half Day |

Welcome Reception at The Merrywell, Crown Perth.

Thursday 6 September

Time							
9 – 9.05am	Conference Convenor Welcome						
9.05 – 9.15am	Welcome to Country						
9.15 – 9.30am	Opening of Conference – Minister Stephen Dawson						
9.30 – 9.45am	Waste Authority						
9.45 – 10.30am	Keynote Speaker: David Rogers, WRAP UK – Love Food, Hate Waste						
10.30 – 11am	<i>Morning Tea</i>						
11 – 11.30am	Speaker: Circular Sisters – Circular Economy at a Local Level						
11.30 – 12.30pm	<i>Panel Session: How do we introduce the circular economy in Western Australia? What do we need to do at an individual, institutional and Government level to introduce (or move towards) a circular economy in WA?</i>						
12.30 – 1.30pm	<i>Lunch</i>						
1.30 – 3.10pm (20 min per speaker)	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><i>FOGO or No GO?</i></td> <td style="width: 50%;">Innovation / Data and Knowledge</td> </tr> <tr> <td>Clint Aitken, City of Perth – Organic Waste Services</td> <td>John Forfar, Tradr – Innovative Technology and the Future of the Waste Industry</td> </tr> <tr> <td>Mark Chadwick, Shire of Capel – Recycle Right in Capel – Better Bins Project</td> <td>Helen Jarman, InfoActiv – Digitizing the Circular Economy</td> </tr> </table>	<i>FOGO or No GO?</i>	Innovation / Data and Knowledge	Clint Aitken, City of Perth – Organic Waste Services	John Forfar, Tradr – Innovative Technology and the Future of the Waste Industry	Mark Chadwick, Shire of Capel – Recycle Right in Capel – Better Bins Project	Helen Jarman, InfoActiv – Digitizing the Circular Economy
<i>FOGO or No GO?</i>	Innovation / Data and Knowledge						
Clint Aitken, City of Perth – Organic Waste Services	John Forfar, Tradr – Innovative Technology and the Future of the Waste Industry						
Mark Chadwick, Shire of Capel – Recycle Right in Capel – Better Bins Project	Helen Jarman, InfoActiv – Digitizing the Circular Economy						

**Waste & Recycle 2018 Conference “Moving Forward with Local Solutions”
Crown Towers, Perth 5 – 7 September 2018**

	Patrick Hay, SMRC and Steven Wachter, City of Melville – FOGO the Way to Go Virginia Brunton, MRA – Busting FOGO Myths Q&A with speakers (10 min) Afternoon tea	Nicholas Harford, Equilibrium – Knowing the fate of your Recycling Cliff Chivanga, Zimbabwe Sunshine Group – Zero Landfilling Made Possible Q&A with speakers (10 min)
3.10 – 3.40pm		
3.40 – 4.50pm	Behaviour Change / Community Engagement	Problematic Waste
(20 min per speaker)	Ella Maesepp, Katanning Landcare – The 10 Week Bin Transformation Daniel Grosso, GO2CUP – The Responsible Cafes initiative is great but it won't work... Amy Warne, WMRC – Dig in and Discover Community Gardens Q&A with speakers (10 min)	Rogier Van de Weijer, Inashco – Waste to Energy, Incinerator Bottom Ash Recycling Liam O'Keefe, Tyre Stewardship Australia – Tyre pyrolysis Trevor Bayley, Green Distillation Technologies, End-of-life-tyres are a problem, but to Green Distillation Technologies they are a valuable raw material Q&A with speakers (10 min)
5 – 6.30pm	Networking event on the Terrace, Crown Perth	
Friday		

Time	
9 – 9.05am	Conference Convenor Welcome
9.05 – 9.20am	Innovation Address
9.20 – 9.55am	Invited Speakers: Garth Lamb, RE Group and Michael Trushall, ACT Government Introducing Container Deposit Scheme (CDS) in ACT
9.55 – 10.30	Invited Speaker: A Local Perspective
10.30 – 11am	Morning Tea
11 – 12	Panel Session: Fostering innovation and dealing with problematic waste
12 – 1pm	Lunch
1 – 3pm (20 min per speaker)	Behaviour Change / Collection Systems Landfill Management
	Lacey Webb, Mandalay Technologies – A Sea of Data: Harnessing the known and the unknown for behavioural change Martin Gravett, GHD – Reducing waste and changing attitudes in Karratha – a
	INVITED SPEAKER INVITED SPEAKER

**Waste & Recycle 2018 Conference “Moving Forward with Local Solutions”
Crown Towers, Perth 5 – 7 September 2018**

	multifaceted approach	
	Kylie Horwath, City of Perth – Guiding Best Practice Waste Collection in Multi Unit Dwellings	Kathrine Goldsmith, MRC – Odour – the unpleasant topic of every landfill
	Darren Lomman, Greenbatch – Bringing the community together to create WA’s first plastic reprocessing facility	Morne Hattingh, City of Karratha – Airspace preservation techniques for effective landfill management
	Geoff Atkinson, MRC – Face Your Waste – Engaging the community with the waste they produce to achieve behavioural change	Marc Amtsberg, GeoFabrics – The How and Why of Landfill Construction Quality Assurance and Innovative Ways to Implement it Cost Effectively in the Field of Geosynthetics
	Q&A with speakers (10 min)	Q&A with speakers (10 min)
3 – 3.30pm	Afternoon tea	
3.30 – 4.30pm	Facilitated Debate*: Container Deposit Scheme implementation in WA	Facilitated Debate*: Waste to Energy

This program is subject to change; please monitor the website for updates



EASTERN METROPOLITAN REGIONAL COUNCIL

CONFERENCE ASSESSMENT FORM

CONFERENCE DETAILS: Waste & Recycle 2018 Conference

ORGANISING BODY: WMAA, DWER and WALGA

LOCATION/ DATE: Crown Towers, Perth 5 – 7 September 2018

THEME: Moving forward with local solutions

ESTIMATED COST/ PERSON: \$900 Conference & Networking Events (full registration)

ESTIMATED TOTAL COST:

BUDGET AVAILABLE:

ASSESSMENT CRITERIA	FACTOR		
	LOW (1)	MED (2)	HIGH (3)
Current/ Future Direction			X
Council Objective			X
Topical/ Relevant			X
Business Objective			X
Historic/ Expected Attendance		X	
* Other Sources of Information		X	
Content Similarity		X	
TOTAL			18/21

* Low score means high availability of data.

Conference Report Required? (✓) Y N
 ✓ □

Recommendation: That Councillors and Officers attend.

Prepared By: Stephen Fitzpatrick, Director Waste Services

Chief Executive Officer: _____ 



CONFERENCE REGISTRATION

To register for the **2018 Waste & Recycle Conference** please complete this online form.

Conference Registration includes:

- Access to all Conference sessions on Thursday 6 September & Friday 7 September
- Tea breaks and lunches

Conference & Networking Registration includes:

- Access to all Conference sessions on Thursday 6 September & Friday 7 September
- Tea breaks and lunches
- Wednesday Welcome Drinks and Thursday Cocktail Reception

Day registration includes:

- Access to all Conference sessions on the selected day
- Tea breaks and lunches

Earlybird pricing ends August 1 2018. Please have a credit card handy for online payment.

To request payment via direct transfer please email waste@eventandconferenceco.com.au
(<mailto:waste@eventandconferenceco.com.au>)

Please select **Individual** or **Group** registration and follow the prompts to complete your registration.

Registration

- Individual
- Group

Group Members

Group Size

1	
---	--

Group Member # 1 (Group Contact)

First Name *

Last Name *

Next

EVENT MANAGEMENT - EVENT & CONFERENCE CO.
waste@eventandconferenceco.com.au
08 6102 2516



11.3 ITEMS CONTAINED IN THE INFORMATION BULLETIN

REFERENCE: Ref: D2018/09734

The following item is included in the Information Bulletin, which accompanies the Agenda.

1. WASTE SERVICES

1.1 COUNCIL TONNAGE COMPARISONS AS AT 30 JUNE 2018 (Ref: D2018/09665)

Discussion ensued

Mr Purdy requested for the waste tonnes delivered to the C & I Plant be reported going forward.

RECOMMENDATION

That the Technical Advisory Committee notes the item contained in the Information Bulletin accompanying the 9 August 2018 Technical Advisory Committee Agenda.

TAC RESOLUTION(S)

MOVED MR PEARSON

SECONDED MR JACKSON

THAT THE TECHNICAL ADVISORY COMMITTEE NOTES THE ITEM CONTAINED IN THE INFORMATION BULLETIN ACCOMPANYING THE 9 AUGUST 2018 TECHNICAL ADVISORY COMMITTEE AGENDA.

CARRIED UNANIMOUSLY

12 REPORTS OF DELEGATES

Nil

13 NEW BUSINESS OF AN URGENT NATURE APPROVED BY THE CHAIRMAN OR PRESIDING MEMBER OR BY DECISION OF MEETING

Nil

14 CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC

Nil



15 FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE

The next meeting of the Technical Advisory Committee will be held on **Thursday 6 September 2018 (if required)** at the EMRC Administration Office, 1st Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 4:00pm.

Future Meetings 2018

Thursday	6	September	(if required)	at	EMRC Administration Office
Thursday	4	October	(if required)	at	EMRC Administration Office
Thursday	22	November	(if required)	at	Red Hill Waste Management Facility

16 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 4:25pm.