



MINUTES

CERTIFICATION OF CONFIRMATION OF RESOURCE RECOVERY COMMITTEE MINUTES

7 August 2014

I, Cr Tony Cuccaro hereby certify that the minutes from the Resource Recovery Committee Meeting held on 7 August 2014 pages 1 to 53 were confirmed at a Committee meeting held on 20 November 2014.

A handwritten signature in black ink, appearing to read "Tony Cuccaro", is written over a horizontal line.

Signature

Cr Tony Cuccaro
Person presiding at Meeting

RESOURCE RECOVERY COMMITTEE

MINUTES

7 August 2014

(Ref: D2014/08675)

A meeting of the Resource Recovery Committee was held at the EMRC Administration Office, 1st Floor, 226 Great Eastern Highway, BELMONT WA 6104 on **Thursday, 7 August 2014**. The meeting commenced at **5:00pm**.

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1 DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS

The Chairman opened the meeting at 5:00pm.

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

Committee Members

Cr Tony Cuccaro (Chairman)	EMRC Member	Shire of Mundaring
Cr Charlie Zannino (Deputy Chairman)	EMRC Member	City of Swan
Cr Mike Anderton	EMRC Member	City of Bayswater
Cr Frank Lindsey (from 5:17pm)	EMRC Member	Shire of Kalamunda
Mr Doug Pearson	Director Technical Services	City of Bayswater
Mr Ric Lutey	Director Technical Services	City of Belmont
Mr Charles Sullivan	Director Development and Infrastructure Services	Shire of Kalamunda
Mr Shane Purdy	Director Infrastructure Services	Shire of Mundaring
Mr Jim Coten	Executive Manager Operations	City of Swan
Mr Peter Schneider	Chief Executive Officer	EMRC

Apologies

Cr Jennie Carter	EMRC Member	Town of Bassendean
Mr Simon Stewert-Dawkins	Director Operational Services	Town of Bassendean
Mr Ken Cardy	Manager Asset Services	Town of Bassendean

Deputy Committee Members - Observers

Cr Alan Pilgrim	EMRC Member	Shire of Mundaring
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EMRC Officers

Mr Stephen Fitzpatrick	Director Waste Services
Mr Hua Jer Liew	Director Corporate Services
Mr Dave Beresford	Manager Resource Recovery
Mrs Annie Hughes-d'Aeth	Personal Assistant to Director Corporate Services (Minutes)

3 DISCLOSURE OF INTERESTS

Nil

4 ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION

Nil

5 PETITIONS, DEPUTATIONS AND PRESENTATIONS

Nil



11 REPORTS OF EMPLOYEES

11.1 UPDATE REPORT ON RESOURCE RECOVERY FACILITY

REFERENCE: D2014/08677

PURPOSE OF REPORT

To advise Council of the status of the Resource Recovery Facility project at the Red Hill Waste Management Facility.

KEY ISSUES AND RECOMMENDATION(S)

- Ministerial approval to proceed with the implementation of the project was received on 9 July 2014.
- The Ministerial statement includes the approval conditions for the two technology options, anaerobic digestion and gasification.

Recommendation(s)

That the report be received.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

On 30 April 2009 (Ref: DMDOC/98318), Council resolved to proceed with the Expression of Interest process for the Resource Recovery Facility.

Since that time and as part of the project implementation, Council has also resolved that:

- Acceptable tenderers be listed;
- EMRC representatives visited nominated reference facilities of acceptable tenderers;
- Red Hill Waste Management Facility is the preferred site for the Resource Recovery Facility (RRF);
- The contract models of Design and Construct (D&C) and Design, Build, Operate and Maintain (DBOM) are preferred to the Build Own Operate (BOO) contract models at this stage of the project;
- Anaerobic digestion and gasification are the preferred technology options and a third bin for household organic waste collection will be considered in conjunction with anaerobic digestion technology;
- EMRC has proceeded with the environmental approval for the proposal and acceptable tenderers have provided information required for this process as required; and
- Prior to calling tenders, the Establishment Agreement will be amended to reflect the RRF as a "new project" and member Councils will be advised of the implications of this amendment.

On 19 September 2013, (Ref: DMDOC/185090) Council resolved:

"THAT

1. *THE CURRENT EXPRESSION OF INTEREST/TENDER PROCESS FOR THE EMRC RESOURCE RECOVERY FACILITY (EOI 2009-10) BE CANCELLED AND ACCEPTABLE TENDERERS ADVISED ACCORDINGLY.*
2. *COUNCIL CONTINUE WITH THE RESOURCE RECOVERY PROJECT IMPLEMENTATION.*
3. *THE REPORT REMAINS CONFIDENTIAL AND IS CERTIFIED BY THE CHAIRMAN AND CEO."*



Item 11.1 continued

REPORT

Following an extended period for the resolution of appeals on the Environmental Protection Authority (EPA) Report on Recommendations on the Resource Recovery Facility - Red Hill, the Minister for Environment dismissed all third party appeals. The EMRC subsequently reviewed and suggested minor amendments to the draft approval conditions with the Office of the EPA (OEPA).

The OEPA has accepted all minor amendments suggested by the EMRC and as a consequence the EMRC waived its appeal rights in respect to the conditions in the Ministerial statement (Attachment), the final copy of which was received on 9 July 2014.

This Ministerial Statement is the approval to proceed with the implementation of the Resource Recovery Facility at Red Hill subject to the various conditions of approval and the specific conditions of approval for each of the technology options, anaerobic digestion and gasification. These conditions of approval are standard for similar proposals and are based on the environmental impact assessment undertaken by the EMRC for the Red Hill site. The condition requiring the reduction of cumulative odour levels at Red Hill Waste Management Facility prior to the operation of an RRF is an acceptable outcome.

There is a 5 year time limit for commencement of implementation of the proposal from the date of approval, i.e. 5 years from 9 July 2014.

Cardno are preparing an implementation plan for consideration at a future meeting of the Resource Recovery Committee. This implementation plan will need to be considered in conjunction with the Local Government Reform process currently underway and the implications for the project including:

- Governance in this reform period;
- The ability of member Councils to provide any loan guarantees required; and
- The ability of member Councils to commit to a participation agreement.

In general terms, the next stages are as follows:

1. Seek Council approval to proceed to a tender process subject to member Council agreement to participate and provide any loan guarantees;
2. Amend the EMRC Establishment Agreement;
3. Prepare tender documentation;
4. Call for tenders and evaluation of submissions;
5. Nominate a preferred tenderer;
6. Council approval to enter into a contract with a preferred tenderer;
7. Finalise contract with preferred tenderer; and
8. Construct and commission RRF.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.3 To provide resource recovery and recycling solutions in partnership with member Councils



Item 11.1 continued

FINANCIAL IMPLICATIONS

Nil

SUSTAINABILITY IMPLICATIONS

The Resource Recovery Facility will contribute towards minimising the environmental impact of waste by facilitating the sustainable use and development of resources.

MEMBER COUNCIL IMPLICATIONS

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

ATTACHMENT(S)

Statement that a proposal may be implemented – Resource Recovery Facility, Red Hill (Ref: D2014/08650)

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That the report be received.

RRC RECOMMENDATION(S)

MOVED MR LUTEY

SECONDED CR ZANNINO

That the report be received.

CARRIED UNANIMOUSLY



Government of Western Australia
Office of the Appeals Convenor
Environmental Protection Act 1986

RECEIVED

18 JUL 2014

Our ref: Report 1487
Your ref:
Enquiries: Emma Bramwell
Telephone: (08) 6467 5190
Date: 16 July 2014

Mr Stephen Fitzpatrick
Manager, Project Development
Eastern Metropolitan Regional Council
PO Box 234
BELMONT WA 6984

Dear Mr Fitzpatrick

EPA REPORT 1487 – RESOURCE RECOVERY FACILITY, RED HILL – EASTERN METROPOLITAN REGIONAL COUNCIL (SECTION 45 OF THE ENVIRONMENTAL PROTECTION ACT 1986)

Thank you for your email dated 15 July 2014 advising that the Eastern Metropolitan Region Council waives its right of appeal in respect to the conditions in Ministerial Statement 976 (attached).

At the request of the Minister for Environment, the decision making authorities have been advised pursuant to section 45(7) of the *Environmental Protection Act 1986* that they may now exercise their powers with respect to the proposal.

Please address future correspondence relating to the implementation of this proposal to:

Manager
Compliance Branch
Office of the Environmental Protection Authority
Locked Bag 33
Cloisters Square
PERTH WA 6850

For any immediate inquiries regarding the compliance requirements of the Statement, please email the Compliance Branch at compliance@epa.wa.gov.au for assistance.

Yours sincerely

Jean-Pierre Clement
A/APPEALS CONVENOR

encl.



Hon Albert Jacob MLA
Minister for Environment; Heritage

Statement No: 976

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

RESOURCE RECOVERY FACILITY, RED HILL

Proposal: The proposal is to construct and operate a resource recovery facility within the existing Red Hill Waste Management Facility, City of Swan, for the processing of waste to produce energy, using either anaerobic digestion technology or gasification technology.

Proponent: EASTERN METROPOLITAN REGIONAL COUNCIL
Australian Business Number 89 631 866 056

Proponent Address: 1st Floor Ascot Place, 226 Great Eastern Highway
BELMONT WA 6984

Assessment Number: 1844

Report of the Environmental Protection Authority Number: 1487

This Statement authorises the implementation of the proposal described and documented in Schedule 1 and Schedule 2. Schedule 3 details definitions of terms and phrases used in the implementation conditions and procedures.

1 Proposal Implementation

- 1-1 The proponent shall use either anaerobic digestion technology or gasification technology, but not both.
- 1-2 If anaerobic digestion technology is used when implementing the proposal, the proponent shall not exceed the authorised extent of physical and operational elements provided for in Table 2 in Schedule 1 of this Statement and shall also ensure the requirements of conditions 2, 3, 4, 5, 6, 7 and 8 of this Statement are met, unless amendments to the Proposal and the authorised extent of the proposal has been approved under the EP Act.

Published on:

- 1-3 If gasification technology is used when implementing the proposal, the proponent shall not exceed the authorised extent of physical and operational elements provided for in Table 2 in Schedule 2 of this Statement and shall also ensure the requirements of conditions 2, 3, 4, 5, 6 and 9 of this Statement are met, unless amendments to the proposal and the authorised extent of the proposal has been approved under the EP Act.

2 Contact Details

- 2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within 28 days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

3 Time Limit for Proposal Implementation

- 3-1 The proponent shall not commence implementation of the proposal after the expiration of five (5) years from the date of this statement, and any commencement, within this five (5) year period, must be substantial.
- 3-2 Any commencement of implementation of the proposal, within five (5) years from the date of this statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this statement.

4 Compliance Reporting

- 4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.
- 4-2 The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least six months prior to the first compliance assessment report required by condition 4-6, or prior to implementation, whichever is sooner.

The compliance assessment plan shall indicate:

- (1) the frequency of compliance reporting;
 - (2) the approach and timing of compliance assessments;
 - (3) the retention of compliance assessments;
 - (4) the method of reporting of potential non-compliances and corrective actions taken;
 - (5) the table of contents of compliance assessment reports; and
 - (6) public availability of compliance assessment reports.
- 4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.

- 4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first compliance assessment report 15 months from the date of issue of this Statement addressing the 12 month period from the date of issue of this Statement and then annually from the date of submission of the first compliance assessment report.

The compliance assessment report shall:

- (1) be endorsed by the proponent's Managing Director / General Manager / Chief Executive Officer or a person delegated to sign on the Managing Director's / General Manager's / Chief Executive Officer's behalf;
- (2) include a statement as to whether the proponent has complied with the conditions;
- (3) identify all potential non-compliances and describe corrective and preventative actions taken;
- (4) be made publicly available in accordance with the approved compliance assessment plan; and
- (5) indicate any proposed changes to the compliance assessment plan required by condition 4-1.

5 Public Availability of Data

5-1 Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this statement and for the remainder of the life of the proposal the proponent shall make publically available, in a manner approved by the CEO, all validated environmental data (including sample design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this Statement.

5-2 If any data referred to in condition 5-1 contains particulars of:

- (1) a secret formula or process; or
- (2) confidential commercially sensitive information,

the proponent may submit a request for approval from the CEO to not make this data publically available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publically available.

6 Odour – Existing Operations

- 6-1 The proponent shall reduce the cumulative odour levels prior to operation of the anaerobic digestion or gasification facility. In order to demonstrate this, the proponent shall comply with the requirements of conditions 6-2 to 6-4.
- 6-2 The proponent shall prepare a Cumulative Odour Reduction Report.
- 6-3 The Cumulative Odour Reduction Report required pursuant to condition 6-2 shall:
- (1) investigate options and propose measures to reduce the cumulative odour impact from the Red Hill Waste Management Facility by management measures such as relocating the greenwaste windrows; and
 - (2) provide a re-run of the model (SLR Consulting Australia 2012 'Resource Recovery Facility: Odour Impact Assessment for Lot 8 (Site E) Toodyay Road' Report) to demonstrate that the chosen measures from 6-3(1) provides an overall improvement in predicted cumulative odour impacts,
- to the satisfaction of the CEO on advice of the DER.
- 6-4 Prior to operation of the anaerobic digestion or gasification facility the proponent shall implement management measures approved by the CEO to meet condition 6-1.

Should the option be anaerobic digestion, then condition 7 and 8 applies.

7 Odour Control System

- 7-1 The proponent shall ensure that maximum odour emissions from the anaerobic digestion facility are less than those listed in Column 3 of Table 2 in Schedule 1.
- 7-2 The proponent shall commission an independent peer review of the detailed design of the total odour control system, prior to submission of an application for a Works Approval, that addresses:
- (1) building orientation (shielding of openings from prevailing winds);
 - (2) sealing of the building to minimise fugitive emissions;
 - (3) location of extraction points, ducting and fans, and performance specification of the air collection network within the building;
 - (4) humidification system in the building and at the air inlet of the biofilter;
 - (5) biofilter surface irrigation system;
 - (6) degree of automation of the monitoring/control system for critical parameters such as temperature, relative humidity, volumetric flow of the air at the inlet of the biofilter as well as the back-pressure, and the temperature and moisture content of the biofilter media;

- (7) biofilter type (open, covered or enclosed) and design (suitability for Perth's hot and dry climate);
- (8) biofilter size and loading, number of building air changes per hour;
- (9) type of biofilter media used;
- (10) redundancy incorporated in the design;
- (11) the robustness of the facility design and operational protocols to achieve (or better) the authorised extent in Schedule 1;
- (12) the verification / monitoring required to demonstrate compliance with the authorised extent in Schedule 1; and
- (13) the technology suppliers warranty with respect to achieving the authorised extent in Schedule 1,

to the requirements of the CEO.

The peer review should have particular emphasis on the design, process control, management, and maintenance of the biofilter.

- 7-3 The proponent shall submit a copy of the peer review report required by condition 7-2 to the DER with the application for the Works Approval.

8 Air Quality

- 8-1 The proponent shall ensure that emissions from the anaerobic digestion facility are as low as reasonably practicable. In order to demonstrate this, the proponent shall comply with the requirements of conditions 8-2 to 8-3.

- 8-2 The proponent shall prepare an Air Quality Report.

- 8-3 The Air Quality Report required pursuant to condition 8-2 shall:

- (1) benchmark the emissions for all criteria pollutants from the chosen anaerobic digestion technology against best practice;
- (2) set out emission rates for all the sources;
- (3) address normal operations, start up, shut down, and equipment failure; and
- (4) provide a rerun of the model (Synergetics 2012 '*Air Quality dispersion modelling of the proposed Resource Recovery Facility (RRF) at Red Hill Waste Management Facility – Location RRF on Lot 8, Toodyay Road – for Eastern Metropolitan Regional Council*' Report),

to the satisfaction of the CEO on advice of the DER.

- 8-4 The proponent shall submit the Air Quality Report required by condition 8-2 to the DER with the application for the Works Approval.

Should the option be gasification, then condition 9 applies.

9 Gasification Technology

- 9-1 The proponent shall ensure that the gasification technology to be implemented is consistent with the EPA and the Waste Authority's strategic advice (*Environmental and Health Performance of Waste to Energy Technologies*: Report No. 1468' under section 16(e) of the *Environmental Protection Act 1986*). In order to achieve this, the proponent shall comply with the requirements of conditions 9-2 to 9-4.
- 9-2 The proponent shall prepare and submit documentation that demonstrates the chosen gasification technology:
- (1) uses only components that have operated reliably elsewhere;
 - (2) can operate within emission standards equal to the 'Directive 2000/76/EC of the European Parliament and of the Council (4 December 2000)';
 - (3) uses only components that have a successful track record in treating the waste streams proposed;
 - (4) has operated at a similar scale to that proposed; and
 - (5) has a configuration of components that has been demonstrated elsewhere,
- to the satisfaction of the CEO on advice of the DER.
- 9-3 The proponent shall commission an independent peer review, to provide comment on the validity of the documentation prepared for condition 9-2 to demonstrate the chosen gasification technology meets points (1), (2), (3), (4), and (5) of condition 9-2 to the satisfaction of the CEO on advice of the DER.
- 9-4 The proponent shall submit a copy of the documentation required by condition 9-2 and the peer review required by 9-3 to the DER with the application for the Works Approval.



Albert Jacob MLA
MINISTER FOR ENVIRONMENT; HERITAGE

- 9 JUL 2014

ANAEROBIC DIGESTION OPTION

Table 1: Summary of the Proposal

Proposal Title	EMRC Resource Recovery Facility
Short Description	The proponent proposes to construct and operate a resource recovery facility for the processing of waste to produce compost and biogas using anaerobic digestion technology. The biogas would be burnt in gas engines to produce electricity.

Table 2: Location and authorised extent of physical and operational elements

Element	Location	Authorised Extent
Resource Recovery Facility and associated infrastructure	Site E, Red Hill (Figure 1)	Clearing of up to 0.85 ha of remnant vegetation.
Waste types accepted for processing:		The organic fraction of municipal solid waste from either a source separated collection system or from the rubbish bin using the mechanical separation designed into the facility.
Excluded wastes: <ul style="list-style-type: none"> • scheduled waste, as defined by ANZECC for the <i>National Strategy for the Management of Scheduled Waste (1992)</i>; • medical waste; • radioactive waste; • asbestos; • liquid and oily wastes; • contaminated soils; • tyres; • animal carcasses; • waste with a halogen content greater than 1%; • highly corrosive or toxic liquids or gases such as strong acids or chlorine or fluorine; • explosive materials; and • material already deposited in the onsite landfill. 	Not to be processed.	
Quantity of waste to be processed:		Up to 150,000 tpa.

Odour concentration emitted from biofilter:		Less than 500 odour units.
Building under negative pressure:		Waste may only be accepted while the building is being maintained under negative pressure.
Fast Acting Doors:		Waste may only be accepted while the Fast Acting Doors are fully operational.

Figures

Figure 1 Development envelope and locations of sensitive receptors surrounding the Red Hill Waste Management Facility

GASIFICATION OPTION

Table 1: Summary of the Proposal

Proposal Title	EMRC Resource Recovery Facility
Short Description	The proponent proposes to construct and operate a resource recovery facility for the processing of waste to produce steam using gasification technology. The steam would be used in a steam turbine to produce electricity.

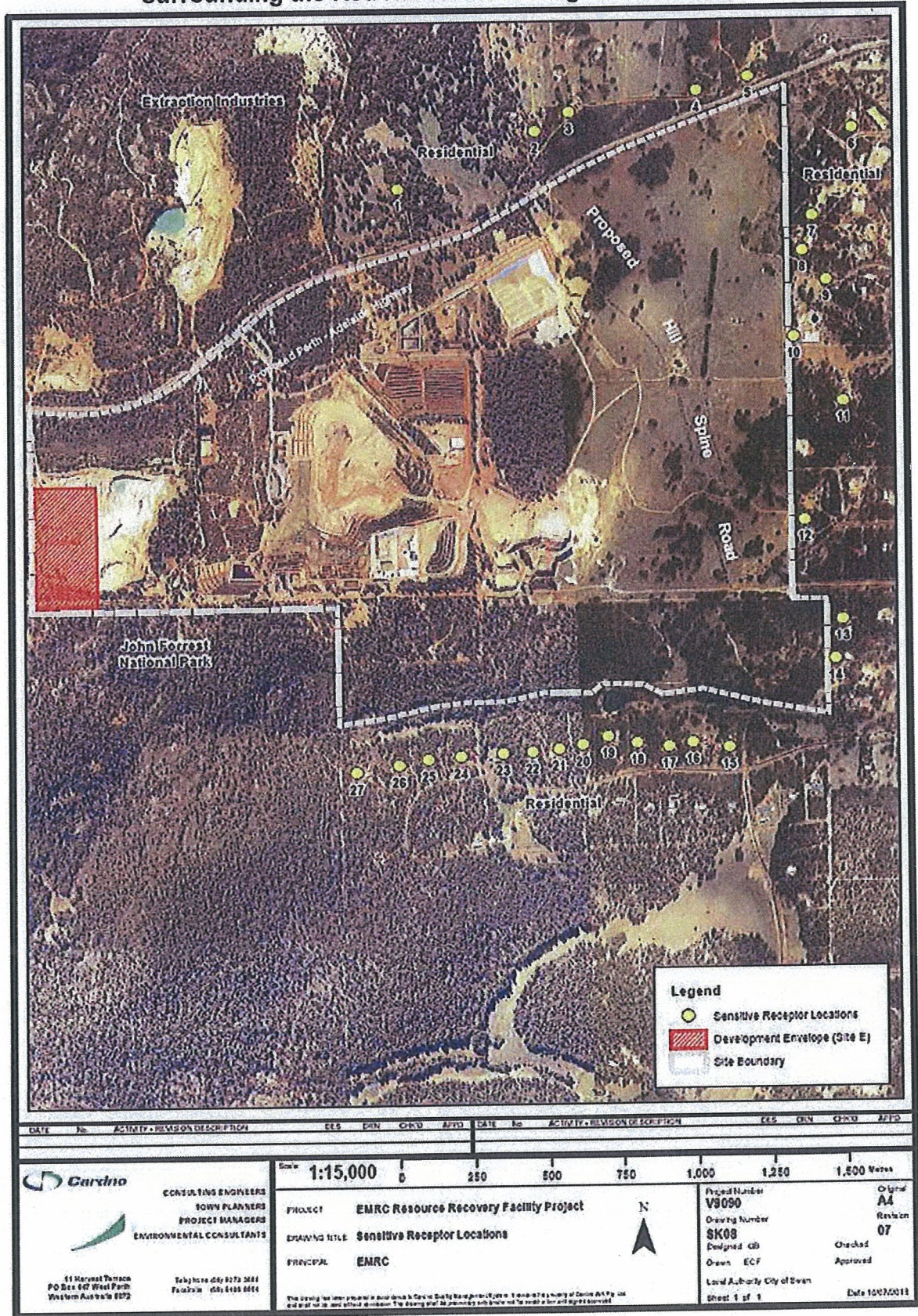
Table 2: Location and authorised extent of physical and operational elements

Element	Location	Authorised Extent
Resource Recovery Facility and associated infrastructure	Site E, Red Hill (Figure 1)	Clearing of up to 0.85 ha of remnant vegetation.
Waste types accepted for processing:		Municipal solid waste from the rubbish or residual bins of a two bin or three bin collection system.
Excluded wastes: <ul style="list-style-type: none"> • scheduled waste, as defined by ANZECC for the <i>National Strategy for the Management of Scheduled Waste (1992)</i>; • medical waste; • radioactive waste; • asbestos; • liquid and oily wastes; • contaminated soils; • tyres; • animal carcasses; • waste with a halogen content greater than 1%; • highly corrosive or toxic liquids or gases such as strong acids or chlorine or fluorine; • explosive materials; and • material already deposited in the onsite landfill. 		Not to be processed.
Quantity of waste to be processed:		Up to 200,000 tpa.

Figures

Figure 1 Development envelope and locations of sensitive receptors surrounding the Red Hill Waste Management Facility

Figure 1: Development envelope and locations of sensitive receptors surrounding the Red Hill Waste Management Facility



Schedule 3

Term or Phrase	Definition
ANZECC	Australian and New Zealand Environment and Conservation Council
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or their delegate.
Criteria pollutants	Key air pollutants set by the National Environment Protection Measure for Ambient Air Quality, which includes carbon monoxide, ozone, sulphur dioxide, nitrogen dioxide, lead and particles (PM ₁₀).
DER	Department of Environment Regulation
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
ha	hectare
Odour unit	The concentration of odorant(s) at standard conditions that elicits a physiological response from a panel (detection threshold) equivalent to that elicited by one Reference Odour Mass (ROM), evaporated in one cubic metre of neutral gas at standard conditions.
tpa	Tonnes per annum

Notes

The following notes are provided for information and do not form a part of the implementation conditions of the Statement:

- The proponent for the time being nominated by the Minister for Environment under section 38(6) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal unless and until that nomination has been revoked and another person is nominated.
- If the person nominated by the Minister, ceases to have responsibility for the proposal, that person is required to provide written notice to the Environmental Protection Authority of its intention to relinquish responsibility for the proposal and the name of the person to whom responsibility for the proposal will pass or has passed. The Minister for Environment may revoke a nomination made under section 38(6) of the *Environmental Protection Act 1986* and nominate another person.
- To initiate a change of proponent, the nominated proponent and proposed proponent are required to complete and submit *Post Assessment Form 1 – Application to Change Nominated Proponent*.
- The General Manager of the Office of the Environmental Protection Authority was the Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the *Environmental Protection Act 1986* at the time the Statement was signed by the Minister for Environment.



11.2 UPDATE REPORT ON HAZELMERE WOOD WASTE TO ENERGY PLANT

REFERENCE: D2014/08679

PURPOSE OF REPORT

To update Council on the progress of the Hazelmere Wood Waste to Energy Plant (WWTE).

KEY ISSUES AND RECOMMENDATION(S)

- The public comments period on the Public Environmental Review for the WWTE plant closed on 3 June 2014.
- 126 submissions were received from the public/government agencies.
- These submissions were provided in a consolidated summary form by the Office of the Environmental Protection Authority (OEPA) on 1 July 2014.
- Strategen assisted in preparing a response to the submissions which was submitted on 10 July 2014.
- The EMRC was invited to meet with the Environmental Protection Authority (EPA) on 17 July 2014 to discuss some key issues on the proposal.
- Further meetings with the OEPA and the EPA are planned for August 2014.

Recommendation(s)

That the report be received.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

The 8 December 2011 meeting of Council (Ref: DMDOC/156538) considered the proposed investigation into the feasibility of pyrolysing wood waste and other residuals at EMRC's Hazelmere site and resolved:

"THAT:

1. *COUNCIL APPROVE EMRC PARTICIPATION IN A PROJECT TO ESTABLISH THE FEASIBILITY OF PYROLYSIS OF WOOD WASTE AND OTHER RESIDUALS AT HAZELMERE TIMBER RECYCLING CENTRE INVOLVING AN INITIAL FEASIBILITY STUDY FOLLOWED BY A SECOND STAGE DETAILED ENGINEERING STUDY.*
2. *THE OUTCOMES OF THE FIRST STAGE FEASIBILITY STUDY WILL BE REPORTED TO COUNCIL AND APPROVAL SOUGHT TO PROCEED WITH THE SECOND STAGE FEASIBILITY STUDY."*



Item 11.2 continued

The 19 April 2012 meeting of Council (Ref: DMDOC/159154) resolved:

“THAT COUNCIL, BY ABSOLUTE MAJORITY:

- 1. APPROVES EXPENDITURE OF \$80,000 FOR THE SECOND STAGE DETAILED ENGINEERING STUDY INTO A PYROLYSIS PLANT AT EMRC’S HAZELMERE SITE INVOLVING THE SPECIFICATION OF THE PLANT EQUIPMENT REQUIRED AND A BETTER COST ESTIMATE.*
- 2. APPROVES THE REALLOCATION OF \$80,000 FROM 24399/00.JH (CONSTRUCT AND COMMISSION RESOURCE RECOVERY PARK) TO 72884/00.JF (EVALUATE RESOURCE RECOVERY PARK OPTIONS) TO COVER THE COSTS OF THE SECOND STAGE DETAILED ENGINEERING STUDY.*
- 3. SUPPORTS A GRANT APPLICATION TO THE CLEAN TECHNOLOGY INNOVATION FUND IN JULY 2012, TO BE PREPARED AND SUBMITTED BY ANSAC WITH INPUT FROM EMRC AND UWA AND SEEKING PROJECT FUNDING SUPPORT FOR A DEMONSTRATION WOOD WASTE PYROLYSIS FACILITY AT HAZELMERE.”*

The 20 June 2013 meeting of Council (Ref: DMDOC/180018) resolved:

“THAT COUNCIL:

- 1. PROCEED WITH THE HAZELMERE WOOD WASTE PYROLYSIS PROJECT.*
- 2. BY ABSOLUTE MAJORITY IN ACCORDANCE WITH SECTION 5.42 OF THE LOCAL GOVERNMENT ACT 1995 AUTHORISE THE CEO TO ENTER INTO A CONTRACT BETWEEN EMRC AND ANSAC FOR THE ENGINEERING, PROCUREMENT, CONSTRUCTION AND COMMISSIONING OF THE HAZELMERE WOOD WASTE PYROLYSIS PLANT TO THE VALUE OF \$7,440,000 SUBJECT TO A, B, AND C;*
 - a) EXECUTION OF A FUNDING AGREEMENT BETWEEN THE COMMONWEALTH GOVERNMENT AND ANSAC PTY LTD FOR GRANT FUNDING UNDER THE CLEAN ENERGY INNOVATION FUND;*
 - b) RECEIPT OF ENVIRONMENTAL AND OTHER STATUTORY APPROVALS FOR THE PROJECT; AND*
 - c) DEVELOPMENT OF A POWER PURCHASE AGREEMENT BETWEEN EMRC AND AN ELECTRICITY RETAILER.”*

The 19 September 2013 meeting of Council (Ref: DMDOC/184939) provided an update on the project progress and also resolved:

“THAT THE CHIEF EXECUTIVE OFFICER BE AUTHORISED TO MAKE THE FIRST QUARTERLY PAYMENT OF \$230,016.60 TO ANSAC PTY LTD FOR THE HAZELMERE PYROLYSIS PROJECT”.

The April 2014 meeting of Council resolved:

“THAT COUNCIL:

- 1. ACKNOWLEDGES THAT BECAUSE OF STRATEGEN ENVIRONMENTAL CONSULTANTS PTY LTD’S EXISTING INVOLVEMENT AND EXPERIENCE, IT HAS GOOD REASON TO BELIEVE THERE IS UNLIKELY TO BE ANY OTHER SUPPLIER WHO CAN PROVIDE A SIMILAR VALUE FOR MONEY OUTCOME TO COMPLETE THE REQUIREMENTS OF THE PER PROCESS FOR THE HAZELMERE WOODWASTE TO ENERGY PROJECT.*
- 2. NOTES THE EXPENDITURE OF UP TO \$150,000 FOR THE CONSULTING FEES REQUIRED TO COMPLETE THE ENVIRONMENTAL SCOPING DOCUMENT, THE PER DOCUMENTATION, EPA LIAISON, RESPONSE TO PUBLIC SUBMISSIONS AND ANY APPEALS AND ATTENDANCE AT COMMUNITY INFORMATION SESSIONS BY STRATEGEN, TO BE FUNDED FROM THE SECONDARY WASTE RESERVE.”*



Item 11.2 continued

REPORT

At the close of the public comment period on the Public Environmental Review (PER), 126 submissions were lodged with the EPA.

Following receipt of the summary of submissions from the EPA on 1 July 2014, work was undertaken on preparing a response to the technical and scientific issues raised. Strategen assisted the EMRC in preparing a response to public submissions on 10 July 2014 with input from Ansac.

An initial meeting with the EPA was held on 17 July 2014 to discuss specific issues related to the technology provenness as set out in the EPA's principles and recommendations of the EPA and Waste Authority report to the Minister for the Environment on "Environmental and health performance of waste to energy technologies". Mr Matt Martella, Technology Director for Ansac attended the meeting.

Further meetings are planned with the OEPA to discuss the EMRC's response to public submissions as they undertake their assessment of the proposal and another briefing of the EPA is expected on 21 August 2014. The EPA report and recommendations is expected to be issued in September 2014.

Community Engagement

Further community engagement with the Hazelmere community is planned nearer to the release of the EPA report and recommendations.

The project "frequently asked questions" section on the EMRC website has been updated and a series of advertorials are planned to be run in community newspapers over the next few months to provide information on the project.

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
- 1.4 To investigate leading edge waste management practices

FINANCIAL IMPLICATIONS

Funds are provided in the annual budget for 2013/2014 and 2014/2015 to undertake capital works for the project and once in operation would reduce expenditure to dispose of any surplus wood chip.

SUSTAINABILITY IMPLICATIONS

The Hazelmere Wood Waste to Energy plant is aimed at reducing waste to landfill and therefore greenhouse gas emissions and producing renewable electricity and biochar. This is consistent with the State Waste Strategy for reduction of waste to landfill.



Item 11.2 continued

MEMBER COUNCIL IMPLICATIONS

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

ATTACHMENT(S)

Nil

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That the report be received.

RRC RECOMMENDATION(S)

MOVED MR SULLIVAN

SECONDED CR ZANNINO

That the report be received.

CARRIED UNANIMOUSLY



11.3 WASTE & RECYCLE CONFERENCE 2014

REFERENCE: D2014/08680

PURPOSE OF REPORT

To advise Council of the upcoming Waste & Recycle 2014 conference being held in Fremantle on 22-26 September 2014 at The Esplanade Hotel, Fremantle.

KEY ISSUES AND RECOMMENDATION(S)

- The annual WA Waste & Recycle Conference is to be held in Fremantle on 23-26 September 2014.

Recommendation(s)

That:

1. Councillors and officers note the dates of the forthcoming conference.
2. Councillor(s) _____ be authorised to attend the WA Waste & Recycle 2014 Conference.
3. Two places 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 2014 Conference is to be held between 23-26 September 2014 at The Esplanade Hotel, Fremantle and that the theme of the conference is "Changing the Drivers".

REPORT

The WA Waste & Recycle Conference is an annual event which caters to those involved in waste management, resource recovery and recycling. In 2013, three EMRC Councillors and two WMCRG members attended the Waste & Recycle Conference.

The theme for 2014 is "Changing the Drivers". There will be a panel session on this topic on 25 September 2014 with the keynote speakers and the Waste Authority Chairman discussing the instigators of change including landfill levies, behavioural change, legislation and so on. Other topics include:

- Three bin implementation;
- The State Waste Communications Strategy;
- Issues with anaerobic digestion plant implementation;
- Update on the Strategic Waste Infrastructure Planning Project;
- Pilbara Waste Infrastructure Planning Project;
- Excellence in recycling;
- Environmental compliance; and
- Waste wise schools.



Item 11.3 continued

The preliminary programme for the conference is attached for information (Attachment 1).

Registration includes access to internal exhibition displays, the opportunity to hear national and international keynote speakers including Greg Moore from Canada, Ron Gonen from USA, Dr Carmen Lawrence from Perth and James Stanfield from Ballarat. There will also be opportunities for participants to share experience and knowledge with peers on previous achievements and successes and network with others in the waste and recycling industry.

The tours and workshops include:

1. Landfill Operations Workshop;
2. Waste 101 Tour and Workshop;
3. Organics Odyssey;
4. Rottnest Island Tour;
5. Tip Shop Tours;
6. Litter Workshop;
7. C&I Sorting; and
8. Electronic Waste Recycling.

The 2014 Waste & Recycle Conference will again feature a Waste Authority's breakfast. The conference programme covers a range of issues that are generally of interest to the EMRC. The 2014 conference assessment form is attached (Attachment 2).

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

Two of the host organisations are WALGA and the Waste Management Association of Australia (WMAA) and the Waste Authority are a gold sponsor. The EMRC supports these organisations by participating in their activities and by cooperating and sharing information with others.

FINANCIAL IMPLICATIONS

The expenditures 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. The early bird rate for the conference has been extended to 15 August 2014 and a request has been made to extend this until 22 August 2014.

SUSTAINABILITY IMPLICATIONS

Nil



Item 11.3 continued

MEMBER COUNCIL IMPLICATIONS

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

ATTACHMENT(S)

1. Preliminary Conference Programme (Ref: D2014/08963)
2. Conference Assessment Form (Ref: D2014/08082)

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That:

1. Councillors and officers note the dates of the forthcoming conference.
2. Councillor(s) _____ be authorised to attend the WA Waste & Recycle 2014 Conference.
3. Two places be offered to the Waste Management Community Reference Group (WMCRG) in the event that some members may wish to attend.

Discussion ensued

Cr Anderton expressed an interest in attending the WA Waste & Recycle 2014 Conference being held from 22-26 September 2014 at The Esplanade Hotel, Fremantle.

RRC RECOMMENDATION(S)

MOVED CR ZANNINO

SECONDED MR COTEN

That:

1. Councillors and officers note the dates of the forthcoming conference.
2. Councillor(s) _____ be authorised to attend the WA Waste & Recycle 2014 Conference.
3. Two places be offered to the Waste Management Community Reference Group (WMCRG) in the event that some members may wish to attend.

CARRIED UNANIMOUSLY

Waste & Recycle 2014 Changing the Drivers



WASTE & RECYCLE 2014 CONFERENCE

23-26 September 2014
Esplanade Hotel Fremantle
- by Rydges
Western Australia

Registration
brochure
and form

**The Conference
Committee invites you
to participate in the
Waste & Recycle 2014
Conference.**

Hosted by the Department of Environment Regulation, Waste Management Association of Australia and Western Australian Local Government Association, this premier event will bring together guest speakers and delegates from some of the world's leading waste management organisations to exchange ideas and information about the latest international and local waste and recycling methods.

Gold Sponsor



**WASTE
AUTHORITY**
WA... TOO GOOD TO WASTE

www.wasteandrecycle.com.au

What you can expect from this year's Conference

- Access to our biggest ever trade exhibition;
- Four internationally respected Keynote Speakers and one Specialty Guest Speaker;
- Several forums relating to current topics with open discussion on possible issues and solutions;
- The opportunity to share experience and knowledge with peers on previous achievements and successes;
- Information on regulatory frameworks and current trends;
- Understanding of how industry activities impact on the environment and analysing options for improvement;
- A relaxed setting to interact with the long stayers and new players in the industry.
- Three evening functions to further enhance networking opportunities.

The Conference website has the current preliminary program which outlines the proposed panel sessions and papers—stay updated at www.wasteandrecycle.com.au

Gold Sponsor



Host Organisations



Government of Western Australia
Department of Environment Regulation



WALGA



Conference Venue

The Esplanade Hotel Fremantle by Rydges has once again been selected as the Conference venue, based on feedback from previous attendees, overall venue size, location, amenities and Green Star rating.

The first hotel in WA to receive a Green Star rating, the Esplanade Hotel realises that climate change and greenhouse emissions present pressing global challenges that will only be successfully resolved if the majority of individuals and businesses get serious about reducing their damaging carbon footprint. They are therefore promoting their 'Living a Cleaner Dream' policy, undertaking the commitment to reduce their environmental impact by energy efficiency, waste minimisation and management, water minimisation, and guest education.

As the third largest convention and exhibition facility in Western Australia, the Esplanade Hotel Fremantle offers an outstanding choice of conference, meeting, exhibition and banquet venue.



2014 Conference Steering Committee

Western Australian Local Government Association Representatives

Rebecca Brown, WALGA – Conference Convenor

Sebastian Camillo, Shire of Gingin

Department of Environment Regulation Representatives

Bernard Ryan, Department of Environment Regulation

Shirene Hickman, Department of Environment Regulation

Waste Management Association of Australia Representatives

Veronica Dullens, Waste Management Association of Australia

Mike Tolson, Tarpomatic Australia

Conference Secretariat

Rebecca Dicker, Keynote Conferences



Keynote Speakers



Greg Moore (CAN)

Greg Moore is the Chair of the Metro Vancouver Board of Directors and the Mayor of the City of Port Coquitlam in British Columbia, Canada.

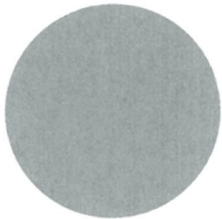
Greg was elected as Port Coquitlam's 15th Mayor in November 2008 and as Chair of Metro Vancouver in December 2011.

The City of Port Coquitlam is vibrant community of approximately 58,000 residents located in the heart of the Lower Mainland and is one of the member municipalities who comprise the Metro Vancouver region.

Metro Vancouver is the regional governing body of a federation of 24 local authorities including twenty-two municipalities, one electoral area and a Treaty First

Nation that provides regional services and leadership to over 2 million residents. Metro Vancouver plans and provides solid waste, sewerage and drinking water services, sets the broad strategic direction for managing growth in the region, with particular emphasis on land use planning, and develops and maintains an extensive regional park system and over 3500 social housing units.

Greg is a lifelong resident of Port Coquitlam with over 10 years municipal government experience. He has a Masters of Business Administration, with an emphasis in Digital Technology from Royal Roads University and a Bachelor Degree in Urban Geography/Planning from Simon Fraser University.



Pic to come...?

Ron Gonen (USA) TBC

Ron is the Co-Founder and CEO of the Closed Loop Fund which was formed by a select group of the world's largest manufacturers, consumer goods companies and retailers to provide zero interest loans to municipalities and give private firms engaged in public-private partnerships access to capital at below market rates in order to spur investments in municipal recycling programs.

Prior to this, Ron was the Deputy Commissioner of Sanitation, Recycling and Sustainability for New York City. He joined the Bloomberg administration with the task of rebuilding NYC's recycling program and developing a plan to divert over 30% of New York's waste stream from landfills by 2017 and over 70% by 2025. He was responsible for New York's recycling

programs, which include paper, metal, glass, plastic, organics, textiles, electronics, the management of household hazardous waste and related legislation.

From 2004-2010, Ron was the Co-Founder and CEO of RecycleBank. During his tenure, the company grew from an idea into a company that serviced over 50 cities and over 1 million households. RecycleBank was recognized with a number of business and environmental awards i

Ron has been a recipient of a number of environmental and business awards including being recognized as a 'Champion of the Earth' by the United Nations Environment Program and the Medal of Excellence from Columbia University which recognizes alumnus under the age of 45 for excellence in scholarship, public service and professional life.



Dr Carmen Lawrence (AUS)

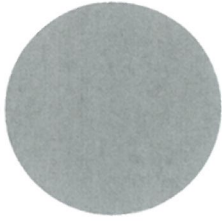
After training as a research psychologist at the University of Western Australia and lecturing in a number of Australian universities, Dr Lawrence entered politics in 1986, serving at both State and Federal levels for 21 years. She was at various times W.A Minister for Education and Aboriginal affairs and was the first woman Premier and Treasurer of a State government.

She shifted to Federal politics in 1994 when she was elected as the Member for Fremantle and was appointed Minister for Health and Human Services and Minister assisting the Prime Minister on the Status of

Women. She has held various portfolios in Opposition, including Indigenous Affairs, Environment, Industry and Innovation and was elected national President of the Labor Party in 2004. She retired from politics in 2007.

Dr Lawrence is now a Professorial Fellow at the University of Western Australia where she is working to establish a centre to research the forces driving significant social change in key areas of contemporary challenge as well as exploring our reactions to that change. The centre will also seek to expose for public discussion the processes most likely to achieve social change where that is a desired objective.

Keynote Speakers (continued)



Pic to come...?

James Stanfield (AUS)

For 14 of the last 28 years, James has specialised in the Waste Management field, prior to that his focus was in Environmental Health and Environmental Compliance. All 28 years, however, have been invested in Local Government with a small amount of side-line work in private consultancy.

James is currently employed by the City of Ballarat in Victoria in the position of Coordinator Environmental Services. As such he is responsible for the operation of the Council's Waste and Recycling section as well as the Street Cleaning section and the Strategic Waste, Water and Energy section. Ballarat has great plans in the Waste to Energy field in the near future and James is keen to drive that process.

The Waste and Recycling section at City of Ballarat

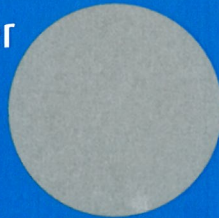
consists of a day labour kerbside waste and recycling collection service of 40,000 premises and the management of the Smythesdale landfill, a large regional facility and a central transfer station operated by contractors. This position is very similar to his previous position where James managed the extensive Waste and Recycling operations for Bundaberg Regional Council in Queensland. Bundaberg's flagship landfill, designed and constructed during his tenure, was awarded second place in the National Landfill Excellence Awards in 2009 and again in 2013.

James is a great advocate for pursuing excellence in Waste Management, particularly in a regional context, and in educating the community with regard to resource awareness.

Special Guest Speaker

Name

Text to come...?



Facilitator

Peter Kennedy

Peter Kennedy is one of Australia's most respected political journalists. He started out as a high school teacher and lecturer, then as a journalist with *The West Australian*. He moved to the *Sydney Morning Herald* in 1977 as the paper's State Political correspondent and was Chief of Staff in the Canberra Press Gallery.

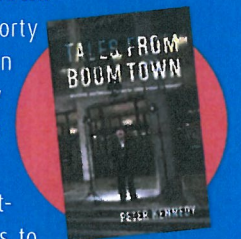
Peter then became Press Secretary to Deputy Premier Mal Bryce. He was a journalist with the ABC from 1990 until 2010, and in 1995 was awarded the prestigious Clarion Prize for outstanding contributions to journalism. He retired in 2010, but continues to provide political commentary, and is an Adjunct Professor of Arts and Sciences at the University of Notre Dame in Fremantle.

His new book: *Tales from Boom Town*

Peter Kennedy has spent more than forty years observing politics in Western Australia across an extraordinary period of change in the state's history, from 1970 to 2013.

His insider's account reveals first-hand the issues linked with changes to the social fabric of Australia; the jailing of two Premiers and a deputy Premier; the ruthless removal of a Premier mid-term; the election of the nation's first female Premier, and the sensational 'WA Inc' Royal Commission.

Kennedy interviewed widely to make this account of how the boom-bust West was led into its status as an economic powerhouse of the twenty-first century.



Tuesday Tours and Workshops

Rottnest Island Tour

Full day tour, 8.30 am – 5.00 pm

The Conference is again offering delegates the opportunity to go offshore!

Rottnest Island, located a 25 minute ferry ride from Fremantle, is a class 'A' nature reserve. This tour offers you the opportunity to hear from the Rottnest Island Authority about the challenges of managing waste in a delicate natural environment and the issues with waste management in an island setting.

This tour includes a return ferry trip to Fremantle, a presentation from the Rottnest Island Authority about waste management practices on the island and a guided tour of the island including major attractions. There will also be some free time to allow you to explore the island.

Warning: The ferry crossing can be rough at this time of year. If you suffer from seasickness think carefully before signing up for this tour!



Landfill Operations Workshop

Full day workshop, 8.30 am – 5.00 pm

The Waste Management Association of Australia is pleased to present this one day Landfill Operations Workshop that will be held in conjunction with the Waste and Recycle Conference. The workshop will focus on current issues that are facing the industry such as landfill versus waste treatment, operations, site development and closure.

This workshop will be of particular interest to landfill owners, managers and operators, including local government, as well as consultants, regulators and members of the WMAA Landfill Working Groups.



Waste 101 Tour and Workshop

Full day tour and workshop, 8.30 am – 5.00 pm

This session is an opportunity to cram a day full of different waste experiences—whether you're new to the industry or just in need of a refresher course.

Too many acronyms in the waste industry? Don't worry—all will be revealed over the course of the day! The day starts with a workshop at the Southern Metropolitan Regional Council's new waste education centre—which will ensure you're full bottle on PET and HDPE and know your WAWA from your DER.

After a tour of the SMRC's Regional Resource Recover Park, attendees will travel to the City of Canning Transfer Station then follow the waste trail to the City of Cockburn Henderson Waste Recovery Park.



Organics Odyssey

Full day tour, 8.30 am – 5.00 pm

In this epic journey you'll travel from Perth to Bunbury, stopping along the way to sample the delights of C-Wise's composting. C-Wise produce a range of products for the urban environment, commercial growers and environmental rehabilitation, as well as offering other organic waste solutions.

On arriving in Bunbury, the Bunbury Harvey Regional Council will enlighten you as to how they engaged their community to move from a two to three bin system, rolled out this new service and are now producing compost.





Wednesday Tours and Workshops

Shop and Go

Half day morning tour, 8.30 am–12.30 pm

The traditional 'tip shop' is changing fast and there are new players in town. This tour will provide you with a whirlwind overview of a variety of 'tip shops'—both Local Government and private sector operated—plus a chance to visit a charity shop sorting facility to see what goes on behind the scenes.

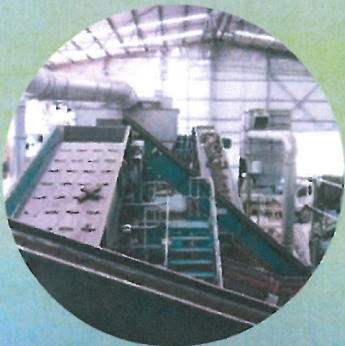
Attend this tour if you want to have get some ideas for your own operations or just do some shopping! Dress it up on the tour and wear your best tip/charity shop find!



Litter Workshop

Half day morning workshop, 8.30 am–12.30 pm

Text to come...?



Sorting out C&I Tour

Half day afternoon tour, 1.30 pm–5.00 pm

On this tour you will have the opportunity to view a contemporary commercial and industrial sorting facility. This facility uses a range of equipment which allows them to recover valuable recyclables and produce consistent quality products.

This tour is ideal for anyone who wants to understand modern processes for sorting waste materials and how quality control works in practice.



Electric Dreams: Total Green Recycling

Half day afternoon tour, 1.30 pm–5.00 pm

Visit the Total Green Recycling Centre and find out how they turned their dreams of recycling electronic waste into reality. Total Green process electronic waste for a number of Local Governments and private operators in Western Australia. This is a great opportunity to find out what happens to your old televisions and computers.

The next stop on the tour is the Garbologie mattress recycling facility to find out what your dreams are made of.

This diverse tour offers you an insight into how you can recycle difficult materials.



Registration Comparison Table, Fees and Options

	TUESDAY 1 Full day Tour/ Workshop	WEDNESDAY 1 Half day Tour	WEDNESDAY 2 Half day Tours/ Workshops	WEDNESDAY Evening Welcome Reception	THURSDAY Waste Authority Breakfast	THURSDAY Morning Session	THURSDAY Afternoon Session	THURSDAY Evening Cocktail Function	FRIDAY Morning Session	FRIDAY Afternoon Session	FRIDAY Evening Conference Dinner
OPTION 1	✓										
OPTION 2		✓									
OPTION 3			✓								
OPTION 4					✓						
OPTION 5						✓					
OPTION 6					✓	✓					
OPTION 7						✓	✓				
OPTION 8								✓	✓		
OPTION 9									✓	✓	
OPTION 10				✓		✓	✓	✓	✓	✓	✓
OPTION 11				✓		✓	✓	✓	✓	✓	✓

Registration Types	Entitlements	Prices (in \$AUD incl. 10% GST)
OPTION 1	Tuesday Full-day Tour/Workshop Registration Access to one full-day tour/workshop on Tuesday only.	\$300.00
OPTION 2	Wednesday Half-day Tour Registration Access to one half-day tour on Wednesday only.	\$180.00
OPTION 3	Wednesday Full-day Tour/Workshop Registration Access to two half-day tours or workshops on Wednesday only.	\$300.00
OPTION 4	Thursday Waste Authority Breakfast Registration Access to Waste Authority Breakfast only on Thursday morning.	\$75.00
OPTION 5	Thursday Morning Half-day Registration Access to morning Keynote and panel sessions, morning tea and lunch on Thursday only. Does not include Waste Authority Breakfast and social functions.	\$325.00
OPTION 6	Thursday Waste Authority Breakfast and Morning Half-day Registration Access to the Waste Authority Breakfast, Keynote and panel sessions, morning tea and lunch on Thursday only. Does not include social functions.	\$375.00
OPTION 7	Thursday Full-day Registration Access to all Thursday Conference sessions only. Does not include Thursday Waste Authority Breakfast and social functions.	\$660.00
OPTION 8	Friday Full-day Registration Access to all Friday Conference sessions only, morning and afternoon tea and lunch. Does not include social functions.	\$660.00
OPTION 9	Friday Afternoon Half-day Registration Access to Final Keynote Address and closing drinks on Friday afternoon only. Does not include social functions.	\$200.00
OPTION 10 On or before 15 August 2014	Early Full Conference Registration Access to all sessions on Thursday and Friday and Trade Exhibition. Includes lunches, morning and afternoon teas, one ticket to the Welcome Reception, Seafood and Sunset Cocktail Function and Conference Dinner, Conference satchel and Conference Proceedings. Does not include Thursday Waste Authority Breakfast.	\$1375.00
OPTION 11 After 15 August 2014	Full Conference Registration Access to all sessions on Thursday and Friday and Trade Exhibition. Includes lunches, morning and afternoon teas, one ticket to the Welcome Reception, Seafood and Sunset Cocktail Function and Conference Dinner, Conference satchel and Conference Proceedings. Does not include Thursday Waste Authority Breakfast.	\$1550.00

Please note it is essential for all attendees to send a completed Registration Form together with payment of registration fees. All prices include GST.

Registration and Payment




Payment of fees **must** accompany all registration forms. Registrations will not be processed until payment is received. Registration and payment can be made by the following methods.

- Complete and submit the online registration form
or
- Complete the hard copy registration form and either:
fax to +61 8 9470 9018
or
post to the
Conference Secretariat,
Keynote Conferences,
308 Berwick Street,
East Victoria Park WA 6101

Important note: To be entitled to an early registration rate you are required to submit your completed registration form along with the required payment to the Conference Secretariat no later than 15 August 2014. After this date Full Registration fees will be applicable.



Preliminary Program Thursday 25 September



7.00 am -8.15 am	<p>Waste Authority Breakfast</p> <p>This breakfast event will provide an opportunity for you to meet the Waste Authority members, as well as interact with a range of key players from the industry. Whether you're new to the industry, an old hand or somewhere in the middle, this event provides you with a chance to hear how the Authority are 'Creating the Right Environment'.</p>
8.25 am	2014 Conference Convenor's Welcome: Rebecca Brown
8.30 am	Welcome to Country: Aboriginal Elder Marie Taylor
8.40 am	Official Opening of the Conference: Minister Albert Jacob MLA
8.50 am	<p>Introduction to Friday's Keynote Speakers: Dr Carmen Lawrence and Ron Gonen</p> 
9.00 am	 <p>KEYNOTE ADDRESS: Greg Moore (CAN) Chair, Metro Vancouver Board of Directors, and Mayor, City of Port Coquitlam, Canada <i>Behaviour Changes - Drivers for Success or Failure and Learning from Lessons</i></p>
9.45 am	 <p>KEYNOTE ADDRESS: James Stanfield (AUS) Coordinator Environmental Services, City of Ballarat <i>Waste Industry Drivers - What are they now and what should they be?</i></p>
10.30 am	Morning Tea served in the Trade Exhibition
11.00 am	<p>PANEL SESSION with Keynote and invited speakers</p> <p>Changing the Drivers: Instigators of Change</p> <p>Facilitator: Peter Kennedy</p> <p>Our Formula 1 speakers will talk about instigating change in a number of different sectors, from development to government. Waste Authority and Government speakers will set the changing scene, from Levy to Legislation. Speakers from the development and private sectors will share their experiences about changing drivers to decision-making in their sectors.</p> <p>Keynote speakers Greg Moore and James Stanfield will participate in the Panel session to share their expertise on behaviour drivers and the impact of Local Government reform.</p> <p>Peter Kennedy (journalist) will bring his political savvy and skills as a facilitator to the session as everyone discusses how we are Changing the Drivers for the waste and recycling industry in WA.</p> <div style="float: right;"> <p>The Panel will include:</p> <ul style="list-style-type: none"> • Chair, Waste Authority – the Landfill Levy as a driver for change • EPA Representative – Legislative drivers of change • Debra Goosey, CEO, UDIA – drivers for development • Steve Pollard, All Earth – drivers for the private sector • Greg Moore, Keynote Speaker – Behaviour Change • James Stanfield, Keynote Speaker – LG Reform and effect. </div>
12.30 pm	Lunch served in the Trade Exhibition
1.30 pm	<p>POP UP SESSION: Susan Creer EUPA <i>Waste Industry Development</i></p>


	Orion Room	Rottneest Room (upstairs)	Garden Room (upstairs)	Trade Exhibition
STREAM	WA'S WASTE	LANDFILL PLANNING & OPERATIONS	WIDER THAN WA	EXHIBITORS IN BOOTH
1.50 pm	Waste Authority <i>Strategic Waste Infrastructure Planning Project for the Perth Metropolitan and Peel Regions of WA</i>	Kieran Garvey and Keith Rogers Talis Consultants <i>Closure planning for rural landfills</i>	Dr Ron Wainberg Hyder Consulting <i>The NSW Grants Process for Waste Infrastructure – An Advisor's Perspective</i>	Geofabrics Booth 21 Chris Fitzsimons
2.15 pm	Wendy Muir Waste Authority and John King Talis Consultants <i>Pilbara Waste Infrastructure Planning Project – An update</i>	Graeme Alford Landfill Gas & Power and Neil Burbridge City of Armadale <i>Managing Armadale's landfill gas emissions</i>	Theo Schneider Resource Abfall GmbH <i>Main Issues on the way to realize Anaerobic Digestion plants not only in Europe</i>	Mastec Australia Booths 17 & 18 Gary Silby
STREAM	WA'S WASTE	EFFECTIVE EDUCATION PROGRAMS	WASTE DATA & ENVIRONMENTAL COMPLIANCE	EXHIBITORS IN BOOTH
2.40 pm	Samuel Green and Giles Perryman ASK Waste Management <i>WA Recycling Activity Review 2012-13</i>	Heather Squire WALGA <i>Education and Enforcement: A two-pronged attack on the yellow lid bin</i>	Dr Darren Perrin JACOBS <i>Using your 'NAUS' when developing a waste strategy</i>	Tarpomatic Australia Booth 41 Steve Brooks
3.05 pm	Marie-Louise Hunt Waste Authority <i>The State Waste Communications Strategy: Successes, learnings and priorities to June 2015</i>	Taryn Davis SMRC <i>Recycle Right – Waste education</i>	Sarah Mansfield and Graham Castledine Castledine Gregory Lawyers <i>Environmental Compliance – Staying ahead of the game</i>	Mandalay Technologies Booth 20 Sarah Langham
3.20 pm	Afternoon Tea served in the Trade Exhibition			
STREAM	SOLUTIONS FOR MANAGING DIFFICULT WASTE STREAMS	DRIVING BEHAVIOUR CHANGE	WASTE EQUIPMENT & TECHNOLOGY CASE STUDIES	EXHIBITORS IN BOOTH
3.40 pm	Andrew Douglas and Bill Dibley Mission Australia <i>How social enterprise and industrial ecology are solving wicked social and environmental problems</i>	Anne Pettit Pettit Projects <i>Can words rescue resources? Driving change through re-thinking the language of waste</i>	Peter Donnell Mastec Australia <i>Total bin solution</i>	Accuweigh Booth 5 Jeremy Hembrough
4.05 pm	John Gertsakis Infoactiv <i>Product Stewardship 2.0 – Time to redesign industry take-back, reuse and recycling program</i>	Peter Kennedy <i>The Premiers' XI – 1970-2014: How they rate? based on Peter Kennedy's new book 'Tales from Boom Town – Western Australian Premiers from Brand to Barnett'</i>	Ronan Cullen and Nigel King Talis Consultants <i>Streamlining the delivery and siting of Waste Management Facilities through Geospatial Modelling</i>	More information on this session coming soon
4.30 pm	Dr Trevor Thornton WMAA Biohazardous Waste Industry Division <i>The role of local government in clincial waste management</i>	Margaret Macindoe and Darran Plumb Wellington Regional Waste <i>Choices and Changes – talking rubbish to a real person</i>	Miles Mason New Energy Corporation Pty Ltd <i>Lessons learned from developing two large scale Waste to Energy projects in WA</i>	More information on this session coming soon
4.55 pm	Amanda Wylde ACOR MCE <i>Transport of dangerous goods waste</i>	Speaker to be confirmed	Dr Joe Muscara ProAcqua Australia <i>ProAcqua – The solution to the bottled water problem?</i>	More information on this session coming soon
5.20 pm	Conference sessions end for the day			
5.30 pm – 7.00 pm	Seafood and Sunset Cocktail Function Maritime Museum, Victoria Quay, Fremantle You are also invited to take an optional walk through the Museum from 5.00–5.30 pm, before the Cocktail Function.			

Preliminary Program Friday 26 September

8.45 am	Welcome and housekeeping			
9.00 am	 KEYNOTE ADDRESS: Dr Carmen Lawrence (AUS) University of Western Australia <i>What we need to know about psychology and politics to reduce the production of waste</i>			
9.45 am	 KEYNOTE ADDRESS: Ron Gonen (USA) Co-founder and CEO, Closed Loop Fund, USA <i>Economic Recycling and Community Engagement, How it was Made Sustainable</i>			
10.30 am	Morning Tea served in the Trade Exhibition			
11.00 am	PANEL SESSION with Keynote and invited speakers Sustaining the Change: Change Management Facilitator: Peter Kennedy The panellists are in for the long haul. Having addressed how to start the change process, this panel session will look at sustaining the change. Our two keynote presentations provided us some background in the motivating factors for behaviour change, now the panel—including all of our keynote speakers and some invited guests—will address the key issue of how do you sustain change? The Panel will include: <ul style="list-style-type: none"> • Peter Kennedy – Setting the scene • Dr Carmen Lawrence, Keynote Speaker • Ron Gonen, Keynote Speaker • Greg Moore, Keynote Speaker • James Stanfield, Keynote Speaker • Chair Waste Authority • EPA Representative 			
	Orion Room	Rottneest Room (upstairs)	Garden Room (upstairs)	Trade Exhibition
STREAM	INNOVATIVE EXAMPLES OF C&D RECYCLING	MAXIMISING ORGANIC WASTE RECOVERY	EXHIBITORS: WASTE EQUIPMENT AND TECHNOLOGY CASE STUDIES	EXHIBITORS IN BOOTH
11.50 am	David Markham and Colin Leek WMAA WA C&D Recycling Working Group <i>Excellence in recycling</i>	Steve Vellacot Landroc <i>Closed Loop – Eliminating food and other waste at source</i>	Simon Kalinowski Mandalay Technologies <i>Technology that supports behavioural change</i>	Uniquip Electrical Wholesale / ECUBE Australia Booth 34 Chadd Heatley
12.15 pm	Eugenie Stockman The Green Swing <i>The Green Swing – A waste management reality check</i>	Hamish Jacobsen Metropolitan Waste Management Group <i>The Back to Earth Initiative: Telling the greenwaste story</i>	Mike Tolson Tarpomatic Australia <i>Increasing landfill life while increasing revenue</i>	Southern Metropolitan Regional Council Booth 37 Taryn Davis
12.40 pm	Lunch served in the Trade Exhibition			
1.30 pm	POP UP SESSION: James McGovern WALGA <i>Don't Mess with the Law</i>			



	Orion Room	Rottnest Room (upstairs)	Garden Room (upstairs)
STREAM	KEYNOTE SPEAKER CONCURRENT SESSIONS	LOCAL GOVERNMENT BEST PRACTICE	COMMUNICATING FOR IMPROVED OUTCOMES
2.00 pm	James Stanfield City of Ballarat <i>Local Government Reform Effect on Services and Private Sector Involvement and Relationships</i>	Karen Caple City of Perth <i>Perth @ Night</i>	Wendy Aspden Waste Wise Schools Program, Waste Authority Adrian Coufos and students Hillarys Primary School <i>Kids stepping up to reduce waste and make an impact</i>
2.25 pm	Dr Carmen Lawrence University of Western Australia <i>Education and Political Drivers In The Real World – Drivers in Public Life</i>	Jenny Campbell Encycle Consulting <i>Better practice waste data management for local government in WA</i>	Julie Briggs Riverina Eastern Regional Organisation of Councils <i>Using online solutions for effective waste management</i>
2.50 pm	Greg Moore Metro Vancouver, Canada <i>Behaviour Changes – Drivers for Success or Failure and Learning from Lessons</i>	Janelle Booth Hyder Consulting <i>3-Bin Implementation Issues</i>	Rebecca Prince-Ruiz and Nabilla Zayan Western Metropolitan Regional Council <i>Re-useables – creating a new norm through 'Bring One, Get One Tree'</i>

3.15 pm  **Special Guest Speaker: TBC**
BlurbXX??

3.55 pm **Conference Close and Prize Draws**

4.00 pm **Closing drinks with Keynote Speakers in the Hotel Lobby**
This is your last chance to get any final questions answered. Our keynote speakers will be on hand in a relaxed and informal setting. Don't miss this opportunity for last minute networking over a casual drink.

7.15 pm **Pre-Dinner Drinks**

7.30 pm to midnight **'The Roaring Twenties' Conference Dinner**

The Pleiades & Sirius Rooms,
Esplanade Hotel Fremantle by Rydges
Fancy dress to the theme of the 1920s, speakeasies, flappers and the Mafia mob scene.



Trade Exhibition



Booth	Organisation/Company	As at 23 July 2014
1	Total Green Recycling	
2	Tutt Bryant Equipment	
3	Natureworks Packaging	
4	Orbitas Pty Ltd	
5	Accuweigh	
8	Superior Pak Pty Ltd	
14	ACT Industrial	
15	Talis Consultants Pty Ltd	
16	Lincom Group Australia	
17	Mastec Australia Pty Ltd	
18	Mastec Australia Pty Ltd	
19	GCM Enviro	
20	Mandalay Technologies	
21	Geofabrics Australasia	
22	Sims Metal Management	
23	Sims Recycling Solutions	
24	Wastech Engineering Pty Ltd	
25	DER/Waste Authority	
26	Toxfree	
27	Enviroplus Garbex Pty Ltd	
28	Mindarie Regional Council	
29	WALGA	
30	AV Truck Services Pty Ltd	
31	C-Wise	
32	DER/Waste Authority	
33	MacDonald Johnston	
34	Uniquip Electrical Wholesale/E-Cube Australia Pty Ltd	
37	Recycle Right - Southern Metropolitan Regional Council	
38	Liebherr-Australia Pty Ltd	
41	Tarpomatic	
44	WMAA	
45	Veolia Environmental Services	
46	David Gray & Co Pty Ltd	

Industry Free Focus Event

The Conference has decided to open the trade area to facilitate industry networking prior to the official opening of the trade exhibition. The trade exhibition will be open between 3.00 pm and 5.00 pm on Wednesday for a free industry focus event. Promoting to industry areas that have yet to attend the Conference, this event will be free to register for anyone who uses waste or recycling services in their day-to-day business.

General Delegate Information and Conference Details

Conference Secretariat

Keynote Conferences

308 Berwick Street, East Victoria Park WA 6101

Tel: (08) 9361 3224 Fax: (08) 9470 9018

Registration and general enquiries

email: reception@keynotewa.com

Conference website: www.wasteandrecycle.com.au

Confirmation of Registration

You will be sent a confirmation letter acknowledging your registration and associated requirements in accordance with your registration form. You will not receive any further notice before the Conference. You will receive the final program and list of delegates upon arrival at the Conference.

Cancellations and Refunds

Cancellations of registration must be made in writing and forwarded to the Conference Secretariat.

The Conference cancellation policy is:

- A fee of \$250 will apply to all cancellations received in writing before 31 July 2014.
- A fee of \$500 will apply to all cancellations received in writing before 22 August 2014.
- No refund will be made after 22 August 2014.

All refunds will be paid after the conclusion of the Conference.

No refund will be given for non-attendance at the event.

- As an alternative to cancellation, your registration may be transferred to another person without penalty.
- The organisers must be advised of the transfer in writing by 9 September 2014.

Please note: All cancellations will be acknowledged by the Conference Secretariat by return email. Should you not have received this acknowledgement within 5 working days please contact the office on (08) 9361 3224.



Social Program

Welcome Reception and Official Opening of Trade Exhibition

Wednesday 24 September

5.30 pm–7.30 pm

Trade Exhibition

Esplanade Hotel Fremantle by Rydges

Dress: Office Attire

Sponsored by

Tarpomatic

Responding to feedback from delegates and exhibitors alike we have reintroduced an official opening function within the Trade Exhibition on the Wednesday night in addition to the other two highly successful evening events of the Conference.

The Welcome Reception and Official Opening of the Trade Exhibition will occur in the exhibition hall with drinks and canapés being served between 5.30 pm–7.30 pm throughout the trade area. This will be the first opportunity for delegates to network with our exhibitors in a relaxed environment.

Seafood and Sunset Cocktail Function

Thursday 25 September

5.30 pm–7.30 pm

Maritime Museum Fremantle, Cliff Street, Fremantle

Dress: Smart Casual

Following the success of last year's cocktail event off site, we will again return to the Maritime Museum with spectacular waterfront views of the Indian Ocean and the working port of Fremantle Harbour. The combination of an amazing sunset, with sumptuous

food, delicious cocktails and exceptional service makes the Function Centre & Balcony the perfect picturesque location to unwind and close the first official day of the Conference.

Places are limited so it's 'first in, best dressed' for this event—get in quick for what is bound to be a memorable night. Those that arrive at 5.00 pm will also be allowed to view the museum exhibits for free prior to the start of the Cocktail Function upstairs. There will be a complimentary transport service running to and from the Maritime Museum between 5.15 pm–5.45 pm and 7.15 pm–7.45 pm.

Conference Dinner

Themed to: 'The Roaring Twenties'

Friday 26 September

7.15 pm – late

The Pleiades & Sirius Rooms,
Esplanade Hotel Fremantle by Rydges

Dress: Fancy dress to the theme of the 1920s, speakeasies, flappers and the Mafia mob scene

Prohibition is in the air,
But here's the chance to let down your hair!
Come as a flapper or come as you are,
Dress as a gangster or silent screen star...
So don your best glad rags and get to the joint,
For a Roaring '20s night that won't disappoint!

The evening of course will be full of fun, music, great food and a few extras to keep everyone entertained, ending the Conference on yet another memorable evening.

Accommodation

Esplanade Hotel Fremantle – by Rydges ★★★★★

Cnr Marine Terrace and Essex Street, Fremantle

Single/Twin/Double room: \$235.00 per night
(breakfast and valet parking additional)

The Conference venue boasts a balcony with every room, room service, multiple restaurants, gymnasium, pools and—best of all—it is a short walk down to the Conference session rooms.

Cancellation of Accommodation

Accommodation cancelled may incur fees, which are decided upon by the venue. Please contact the Conference Secretariat should you wish to cancel any accommodation and we will try to avoid any fees on your behalf.



Disclaimer: The information within this document is correct at the time of publication. Keynote Conferences, the Organising Committee and Host Organisations reserve the right to alter or delete items from the Conference. None shall be held liable for any costs or damage arising from any action based on the information herein.



Waste & Recycle 2014 Conference Registration Form

23–26 September 2014

The Convention Centre, Esplanade Hotel Fremantle – by Rydges, Western Australia

All prices are in Australian dollars (AUD) and include 10% GST.

Official use only

DELEGATE INFORMATION *Please print clearly and complete all sections*

Surname: Title: First Name:

Name for Badge:

Organisation: Position:

Postal Address:

Suburb: State: Postcode: Country:

Tel: (.....) Fax: (.....) Mobile:

Email: Please tick box if you are presenting at the Conference

Please indicate which sectors best describe your work environment:

Federal Govt. State Govt. Local Govt. Industry Private Business College/University

Please indicate what topic(s) within the Waste & Recycling industry interest you:

.....

SPECIAL DIETARY AND ACCESS REQUIREMENTS *Please advise of any special dietary or access requirements*

No special dietary requirement Vegetarian Vegan Seafood allergy Nut allergy

Gluten intolerance Lactose intolerance Wheat intolerance

Other special dietary requirement (please specify)

Special access requirements (please specify)

MEMBERSHIP / ASSOCIATION

Please indicate which of the organisations below you are affiliated with (you may select more than one):

Department of Environment Regulation (DER) Waste Management Association of Australia (WMAA)
 Western Australian Local Government Association (WALGA) None of the above

HOW DID YOU HEAR ABOUT THE CONFERENCE?

Direct mail Waste Management Association of Australia Distribution
 Direct email Conference website
 Department of Environment Regulation Distribution Word of mouth
 Western Australian Local Government Association Distribution Other

CONFERENCE REGISTRATION *Please check the box(es) for the registration type(s) you require.*

- | | | | |
|--------------------------|---|----------|----------|
| <input type="checkbox"/> | OPTION 1: Tuesday Full-day Tour/Workshop Registration
Access to one full-day tour/workshop on Tuesday only. | \$300.00 | \$ |
| <input type="checkbox"/> | OPTION 2: Wednesday Half-day Tour Registration
Access to one half-day tour on Wednesday only. | \$180.00 | \$ |
| <input type="checkbox"/> | OPTION 3: Wednesday Full-day Tour/Workshop Registration
Access to two half-day tours or workshops on Wednesday only. | \$300.00 | \$ |
| <input type="checkbox"/> | OPTION 4: Thursday Waste Authority Breakfast Registration
Access to the Waste Authority Breakfast only from 7.00 am–8.15 am on Thursday morning. | \$75.00 | \$ |
| <input type="checkbox"/> | OPTION 5: Thursday Morning Half-day Registration
Access to morning Keynote and panel sessions, morning tea and lunch on Thursday only.
<i>Does not include Waste Authority Breakfast and social functions.</i> | \$325.00 | \$ |
| <input type="checkbox"/> | OPTION 6: Thursday Waste Authority Breakfast and Morning Half-day Registration
Access to the Waste Authority Breakfast, morning Keynote and panel sessions, morning tea and lunch on Thursday only. <i>Does not include social functions.</i> | \$375.00 | \$ |
| <input type="checkbox"/> | OPTION 7: Thursday Full-day Registration
Access to all Thursday Conference sessions only, morning and afternoon tea and lunch.
<i>Does not include Waste Authority Breakfast and social functions.</i> | \$660.00 | \$ |

CONFERENCE REGISTRATION (continued)

- OPTION 8: Friday Full-day Registration**
Access to all Friday Conference sessions only, morning and afternoon tea and lunch.
Does not include social functions. \$660.00 \$
 - OPTION 9: Friday Afternoon Half-day Registration**
Access to final Keynote Address and closing drinks on Friday afternoon only.
Does not include social functions. \$200.00 \$
 - OPTION 10: Early Full Conference Registration (on or before 15 August 2014)**
Access to all sessions on Thursday and Friday and Trade Exhibition. Includes lunches, morning and afternoon teas, one ticket to Welcome Reception, Seafood and Sunset Cocktail Function and Conference Dinner, Conference satchel and Conference Proceedings. *Does not include Waste Authority Breakfast.* \$1375.00 \$
 - OPTION 11: Full Conference Registration (after Friday 15 August 2014)**
Access to all sessions on Thursday and Friday and Trade Exhibition. Includes lunches, morning and afternoon teas, one ticket to Welcome Reception, Seafood and Sunset Cocktail Function, and Conference Dinner, Conference satchel and Conference Proceedings. *Does not include Waste Authority Breakfast.* \$1550.00 \$
- PAYMENT A: \$**

PRE-CONFERENCE LOCAL TOURS AND WORKSHOPS

Should you select from the below and it not be included in your registration type, the Conference Secretariat will amend your registration type accordingly. This may result in additional charges to be added to your original registration selection.

Tuesday 23 September – Registration Option 1

- I am not attending on Tuesday.
- Rottneest Island Tour 8.30 am – 5.00 pm Full-day Tour
- Landfill Operations Workshop 8.30 am – 5.00 pm Full-day Workshop
- Waste 101 Tour and Workshop 8.30 am – 5.00 pm Full-day Tour and Workshop
- Organics Odyssey 8.30 am – 5.00 pm Full-day Tour

Wednesday 24 September – Registration Options 2 and 3

- I am not attending on Wednesday
- Shop and Go 8.30 am – 12.30 pm Morning Half-day Tour
- Litter Workshop 8.30 am – 12.30 pm Morning Half-day Workshop
- Sorting out C&I Tour 1.30 pm – 5.00 pm Afternoon Half-day Tour
- Electric Dreams 1.30 pm – 5.00 pm Afternoon Half-day Tour

SOCIAL PROGRAM

Welcome Reception and Official Opening of Trade Exhibition (One ticket is included in Registration Options 10 and 11)

WEDNESDAY 24 SEPTEMBER • 5.30PM – 7.30PM • TRADE EXHIBITION, ESPLANADE HOTEL FREMANTLE BY RYDGES

- I do not wish to attend.
- I will be attending the Welcome Reception and Official Opening of Trade Exhibition.
- I would like to purchase additional ticket(s) for the Welcome Reception x \$85.00 incl. GST each. \$

Seafood and Sunset Cocktail Function (One ticket is included in Registration Options 10 and 11)

THURSDAY 25 SEPTEMBER • 5.30PM – 7.30PM • THE MARITIME MUSEUM, VICTORIA QUAY, FREMANTLE

- I do not wish to attend.
- I will be attending the Seafood and Sunset Cocktail Function.
- I would like to purchase additional ticket(s) for the Seafood and Sunset Cocktail Function x \$90.00 incl. GST each. \$

‘The Roaring Twenties’ Conference Dinner (One ticket is included in Registration Options 10 and 11)

FRIDAY 26 SEPTEMBER • 7.15PM – LATE • ESPLANADE HOTEL FREMANTLE BY RYDGES

- I do not wish to attend.
- I will be attending the Friday Conference Dinner.
- I would like to purchase additional ticket(s) for the Friday Conference Dinner x \$125.00 incl. GST each. \$

PAYMENT B: \$

PAYMENT SUMMARY

- PAYMENT A:** Conference Registration \$
- PAYMENT B:** Social Program \$
- TOTAL: \$**

continued over ...

PAYMENT METHOD Please choose a payment method

Payment by Cheque:

Cheques should be drawn in Australian Dollars and made payable to 'Waste & Recycle 2014 Conference' then mailed to: Waste & Recycle 2014 Conference, c/- Keynote Conferences, 308 Berwick Street, East Victoria Park, Western Australia 6101 Tel: (08) 9361 3224 Fax: (08) 9470 9018 Email: reception@keynotewa.com

To be Invoiced: Purchase Order number

A tax invoice will be forwarded to the contact details of the person listed in this registration.
Payment is due no later than 14 days from the receipt of your Tax Invoice.

Payment by Credit Card: MasterCard, Visa or American Express only

Please complete this Registration Form and email to reception@keynotewa.com, or fax to (08) 9470 9018, or mail to the address above.

I hereby authorise for the payment of the above indicated items including GST for the delegate indicated within this form to be deducted from my credit card.

Please charge my: MasterCard Visa American Express

Card No: Expiry Date: / CCV:

Card Holder Name: Card Holder Signature:

EFT: Should you wish to pay by direct transfer please contact Catherine on reception@keynotewa.com for more details.

ACCOMMODATION Please indicate if you require accommodation

All prices are on a per room, per night basis and do not include breakfast.

I do not require accommodation.

Esplanade Hotel Fremantle – by Rydges (the Conference venue) ★★★★★

Conference Rate availability: Check In Date: 23 September 2014, Check Out Date: 27 September 2014

Single Standard Room: \$235.00 Twin Standard Room: \$235.00 Double Standard Room: \$235.00

Booking details:

Check In Date: Check Out Date: Estimated Time of Arrival:

Unless otherwise specified, the check in times for all rooms is 2.00 pm and the departure time is 11.00 am.

Earlier arrival or later departure times may incur an additional night's charge.

I have made arrangements to share with:

Please note: Accommodation bookings and preferences are on a first come, first served basis. The Conference Secretariat will do their utmost to meet your requests. A credit card number is required with all requests for accommodation to secure your booking. The card will not be processed by the Conference or associated Conference Secretariat but be passed on to the hotel who will hold the credit card details and process them once you have arrived. Should the accommodation room be cancelled within one month of the event, your card will be processed by the hotel. Any outstanding monies owing to your accommodation stay must be settled between yourself and the hotel upon your departure.

Please supply your Credit Card details to secure your accommodation booking:

Please charge my: MasterCard Visa American Express

Card No: Expiry Date: / CCV:

Card Holder Name: Card Holder Signature:

PRIVACY DETAILS

The information contained within this form may be made available to all parties directly involved and related to the event including other delegates in the form of a delegates list, host organisations, database contractor, event and accommodation venues, speakers, sponsors and exhibitors. **Please tick box if you wish for your details to be withheld.**

CANCELLATION POLICY

All cancellations must be made in advance in writing to the Conference Secretariat and will attract the following charges:

- Cancellations received in writing on or before 31 July 2014 will incur a cancellation fee of \$250.00.
- Cancellations received in writing on or before 22 August 2014 will incur a cancellation fee of \$500.00.
- No refund will be given to cancellations requested after 22 August 2014.

Unless otherwise notified as by the cancellation policy, non-attendance by the delegate will still require full payment of Conference fees. As an alternative to cancellation, your registration may be transferred to another person up to two weeks prior to the event. Should you wish to transfer your registration, please contact the Conference Secretariat.



11.4 WASTE EDUCATION PROGRESS REPORT

REFERENCE: D2014/08682

PURPOSE OF REPORT

The following report provides an update of the EMRC waste education program during the period July 2013 to June 2014.

KEY ISSUES AND RECOMMENDATION(S)

Updates on the following Waste Education Programs are included:

- Regional Waste Education Strategy development and implementation;
- The Regional Waste Education Steering Group;
- Waste and Recycle Guide 2014/2015 development and distribution;
- The EMRC Battery Collection program;
- The EMRC Compact Fluorescent Light Collection program;
- Tours of the Red Hill Waste Management Facility and Education Centre activities;
- Community activities; and
- Waste Education in Western Australia.

Recommendation(s)

That the report be received

SOURCE OF REPORT

Waste Education Officer
Director Waste Services

BACKGROUND

The Regional Waste Education Steering Group (RWESG) was formally endorsed by member Councils and the EMRC in 2004 to guide the development and delivery of a waste education program on a regional basis.

During April and May 2005, each member Council adopted in principle support for:

- “1. A REGIONAL STRUCTURE FOR WASTE EDUCATION IN THE EMRC REGION WITH THE EMRC AS COORDINATOR AND THE MEMBER COUNCILS, THROUGH THE MEMBER COUNCIL STEERING GROUP, PROVIDING DIRECTION AND INPUT; AND
2. THE DEVELOPMENT OF A 3-YEAR, COSTED, REGIONAL WASTE EDUCATION STRATEGY TO BE REVIEWED BY THE MEMBER COUNCILS STEERING GROUP, TECHNICAL ADVISORY COMMITTEE (TAC), EMRC AND MEMBER COUNCILS.”



Item 11.4 continued

REPORT

Regional Waste Education Strategy

The Regional Waste Education Strategy 2013-2015 (the Strategy) was developed by the Regional Waste Education Steering Group (RWESG), facilitated by the EMRC and endorsed by Council in December 2012 (Ref: DMDOC/172121).

The Strategy includes a range of initiatives that had commenced under previous versions of the Strategy and have been maintained. Further initiatives are being developed in consultation with the RWESG. Specific initiatives from the Strategy are discussed in more detail below.

The Regional Waste Education Steering Group (RWESG)

The RWESG was established to provide a collaborative approach to waste education and membership consists of officers appointed by Member Councils as well as representation from waste related industry in the region. The RWESG meets 6 weekly to progress the Strategy and current membership comprises:

Manager, Health & Ranger Services (Chairperson)	City of Belmont
Contracts and Support Officer	Town of Bassendean
Supervisor Resource Recovery	Shire of Kalamunda
Coordinator Waste Recycling Management	City of Swan
Business Support Officer	City of Swan
Waste Recycling Management	
Environmental Sustainability Officer	City of Swan
Coordinator Waste and Recycling	Shire of Mundaring
Coordinator Waste & Environmental Management	City of Bayswater
Education Officer	Transpacific Cleanaway
Director Waste services	EMRC
Manager Resource Recovery	EMRC
Waste Education Officer	EMRC
Waste Education Officer	EMRC
Coordinator Sales and Product Development	EMRC

Members of RWESG acknowledged in mid 2013 that it was timely to review the Terms of Reference. This was undertaken in August 2013 and updates identify the importance of collaboration and coordination for implementation of the Strategy.

Priority Actions of the Regional Waste Education Strategy

1. Waste and Recycling Guide 2014/2015

The Strategy identifies the importance of maintaining and improving the Waste and Recycling Guide. It has been suggested that consideration be given to the use of more streamlined approaches such as internet applications as a greater proportion of the population have computer access. Also consideration was given to reducing content of the Guide as some of the information especially that related to State Government activities, was duplicated elsewhere. Given the proposed Local Government Reform, the RWESG agreed to continue using the Guide in the current format with current activities dates for the 2014/2015 Guide.

The 2014/2015 Guide was printed in June 2014 for five of the Member Councils (Kalamunda decided to produce its own) and made available for Member Council distribution. The future roll out of the Guide will be reviewed over the next 12 months.



Item 11.4 continued

2. EMRC Battery Collection Program

The Dry Cell Battery Collection program, established in 2003 has grown significantly over the past few years and there are now 32 public places and 73 schools across the EMRC region providing sites for battery drop off. A review of the program was undertaken in early 2014 to identify and implement potential improvements. Changes to the program include:

- Development of a collection roster based on proximity of sites which ensures all public places are visited once a month and all schools at least once a semester;
- Additional promotion of the program including new brochures, perpetual trophies for school awards and clearly identifiable apparel for the Battery Collection Officer;
- Regular communication with key stakeholders including member Council representatives, public place and school coordinators, industry and government;
- Data collection and dissemination to all relevant stakeholders; and
- Occupational safety and health improvements for staff.

RWESG members are actively supporting recruitment into the program of local shopping centres and primary schools and the potential for secondary school involvement is being investigated.

Since commencement of the EMRC Battery Program, over 50 tonnes of batteries have been diverted from landfill. With improved data collection systems, forward estimates predict collection of over 17 tonnes for the coming financial year. Improved certainty of volumes could provide the basis for establishment of a battery processing facility in WA rather than transport to Melbourne for sorting and export.

The program has recorded:

	Schools (kg)	Number of sites	Public Places (kg)	Number of sites
2012/2013	5173	65	8902	32
2013/2014	5287	70	9413	33

A nomination for the Waste Authority's Infinity Award (Waste Champion) has been developed and submitted based on ten years of the EMRC Battery Collection Program and its achievements.

3. EMRC Compact Fluorescent Light Collection program

The collection of Compact Fluorescent Lights (CFLs) at secure public sites continues and is linked to the EMRC Battery Collection program. Approximately 704kg of CFLs were diverted from landfill during the last financial year.

The program has recorded:

	Number of sites	Public Place kg
2012/2013	33	648
2013/2014	32	704



Item 11.4 continued

4. Tours of the Red Hill Waste Management Facility and Education Centre Activities

Tours of the Red Hill Waste Management Facility continue to be popular with schools and other educational institutions in the region. Most of the school groups also participate in the activities at the Education Centre. Tours have also been provided to Council staff and some community groups where the availability of transport has not been a hindrance.

	Number of Tours	Number of Participants
2012/2013	52	1560
2013/2014	23	959

The education program is being reviewed with the objective of making it more accessible to students younger than year 3 and in high school. A workshop with relevant stakeholders will be undertaken in August 2014 to revisit the program and assess the current displays, activities and teaching program for alignment with the current Australian Curriculum and needs of schools.

Interest in visiting the site by community groups varies. Feedback has indicated that issues associated with attending tours include timing of the tours, getting to Red Hill and having access to a bus service for use on site.

5. Community activities

The Waste Education team has participated in a range of community based waste activities, such as the Earth Carer displays at the Royal Show and Perth Garden Festival. This participation was supported by Earth Carer volunteers.

The team also developed and promoted a range of activities for community members and staff at EMRC during National Recycling Week.

A project is being developed to publish monthly recycling data provided to EMRC by Councils in a form that acknowledges current activities and the potential for improvement.

Waste Education in Western Australia

1. Regional Council Communication and Collaboration

Waste educators from the Metropolitan Regional Councils, Waste Authority, WALGA and Department of Environmental Regulation (DER) participate in monthly meetings at DER offices of the Waste Educators Networking Group. Waste Education Officers from EMRC attend these meetings and share information with the RWESG.

2. Waste Authority

Waste Education maintains regular contact with the Office of the Waste Authority and participates in activities of relevance to communication and engagement with communities that originate with the WA. During 2013/2014, Waste Education officers participated in workshops to develop the WA Communications Strategy.

3. WALGA

The Waste and Recycling Branch at WALGA coordinates and facilitates many activities in waste education and waste reduction on behalf of the Waste Authority. Waste Education at EMRC liaises regularly with the WALGA on behalf of Member Councils and has participated in workshops for the development of Best Practice Verge Collection Guidelines



Item 11.4 continued

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 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 costs for Council bus hire for community tours is being investigated.

SUSTAINABILITY IMPLICATIONS

A well-coordinated waste education program with the EMRC, the member Councils and the WMCRG working together to achieve similar outcomes will be more sustainable over the long term.

MEMBER COUNCIL IMPLICATIONS

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

ATTACHMENT(S)

Regional Waste Education Strategy 2013-2015 (Ref: D2014/08859)

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That the report be received.

Discussion ensued

The Manager Resource Recovery provided a brief overview of the report.

Cr Lindsey entered the meeting at 5:17pm.

The Chairman acknowledged the great effort by the EMRC in keeping batteries out of landfill.



Item 11.4 continued

RRC RECOMMENDATION(S)

MOVED MR PEARSON

SECONDED CR ANDERTON

That the report be received.

CARRIED UNANIMOUSLY

Regional Waste Education Strategy 2013 - 2015



Objective 1 To increase awareness of the region’s waste management initiatives, in particular the Resource Recovery Project

Strategy 1.1 Maintain a dynamic regional and local waste education and communication campaign

Initiative	
1.1.1	Maintain and improve the annual Waste & Recycling Guide and A-Z Disposal Guide
1.1.2	Develop a streamlined promotional plan which uses a variety of media for different target audiences
1.1.3	Maintain, review and update the RGang website
1.1.4	Increase profile of Red Hill Environmental Education Centre & Red Hill Waste Management Facility
1.1.5	Continue updating and improving existing displays in Environmental Education Centre
1.1.6	Develop regular Regional Recycling [Waste Management] Reports for residents
1.1.7	Support new recycling initiatives through the development of new promotional materials and integration into existing communications
1.1.8	Undertake regular review of future financial requirements for waste education
1.1.9	Continue promoting the events recycling trailer for use in council events
1.1.10	Promote waste management through major national campaigns & events (e.g. National Recycling Week; KAB week; International Composting Awareness Week ICAW)

Strategy 1.2 Continue to raise awareness of the Resource Recovery Project

Initiative	
1.2.1	Support emerging resource recovery trials and community consultation processes through communications and education programs
1.2.2	Review the community database and its use for future community consultation and awareness raising projects
1.2.3	Update existing Resource Recovery promotional materials and website
1.2.4	Update the education centre to reflect emerging Resource Recovery options
1.2.5	Support development of marketing plan for Resource Recovery (as options are finalised)

Objective 2

To increase community involvement in the region’s waste management initiatives and capacity to practise waste avoidance

Strategy 2.1 Develop community outreach programs and activities focused on improving waste management and waste

Initiative	
2.1.1	Provide workshops, education activities and mentoring for targeted community groups
2.1.2	Provide opportunities for WMCRG (and other emerging committees) to participate, contribute and provide feedback for waste education activities

Strategy 2.1 continued...

Initiative	
2.1.3	Expand education activities associated with the HHW Program
2.1.4	Expand the schools and public place battery collection program
2.1.5	Continue to work with high Schools in the region to develop waste education projects
2.1.6	Train and utilise volunteers to encourage responsible behaviour at events

Strategy 2.2 Raise community awareness of how to reduce waste to landfill

Initiative	
2.2.1	Develop waste avoidance and recycling messages

Objective 3

To continue to develop sustainable regional partnerships for effective local and regional waste education and communications

Strategy 3.1 Continue to foster and enhance regional cooperation with member Councils to implement and support regional waste education initiatives

Initiative	
3.1.1	Maintain Regional Waste Education Steering Group
3.1.2	Provide advice and support for localised Council initiatives to reduce and manage waste
3.1.3	Support community organisations' waste management initiatives

Strategy 3.2 Undertake activities with EMRC and member Council staff to foster knowledge, interest & pride in regional waste management

Initiative	
3.2.1	Provide regular updates on waste education initiatives and performance to the Resource Recovery Committee and EMRC Council
3.2.2	Provide regular updates on Strategic Waste Management Plan to EMRC Committees and EMRC Council
3.2.3	Provide regular updates on Strategic Waste Management Plan, Resource Recovery, waste education initiatives and performance to staff members
3.2.4	Develop programs to encourage staff participation in waste reduction activities

Objective 4 To provide lobbying and advocacy on waste-related issues

Strategy 4.1 Undertake lobbying and advocacy activities to support waste reduction and recycling

Initiative	
4.1.1	Participate in consultative groups regarding state and local government directions in waste education
4.1.2	Contribute knowledge in regional and state forums in the development of cohesive waste education communications and programs

Objective 5 To research and continually improve waste education programs

Strategy 5.1 Develop monitoring & research systems to maintain an understanding of stakeholder knowledge, attitudes and behaviour regarding waste management in the region

Initiative	
5.1.1	Maintain and develop qualitative and quantitative research and evaluation (biennially and ongoing)

Strategy 5.2 Create opportunities for enabling research and evaluation of existing and potential waste education projects

Initiative	
5.2.1	Continue to foster relationships with tertiary institutions to develop research opportunities in waste education
5.2.2	Research and develop education programs focused on transition/change management
5.2.3	Research current waste education learning and practices in the region's primary schools

Strategy 5.3 Monitor local and international waste education developments and trends

Initiative	
5.3.1	Monitor local and international waste education developments and trends which are applicable for the region
5.3.2.	Monitor national curriculum developments and how they might impact on waste education
5.3.3	Present papers at conferences on waste education projects and initiatives

Eastern Metropolitan Regional Council

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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 RESOURCE RECOVERY COMMITTEE

The next meeting of the Resource Recovery Committee will be held on **Thursday, 4 September 2014 (if required)** at the EMRC Administration Office, 1st Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 5:00pm.

Future Meetings 2014

Thursday	4	September (if required)	at	EMRC Administration Office
Thursday	9	October (if required)	at	EMRC Administration Office
Thursday	20	November	at	EMRC Administration Office

16 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 5:20pm.