

MINUTES

CERTIFICATION OF CONFIRMATION OF RESOURCE RECOVERY COMMITTEE MINUTES

6 March 2014

I, Cr Tony Cuccaro, hereby certify that the minutes from the Resource Recovery Committee Meeting held on 6 March 2014 pages 1 to 26 were confirmed at a Committee meeting held on 5 June 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

6 March 2014

(REF: D2014/03071)

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, 6 March 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 5:01pm.

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 Jennie Carter	EMRC Member	Town of Bassendean
Cr Mike Anderton	EMRC Member	City of Bayswater
Cr Frank Lindsey	EMRC Member	Shire of Kalamunda
Mr Simon Stewert-Dawkins	Director Operational Services	Town of Bassendean
Mr James Riley (Deputising for Mr Pearson)	Manager Environmental Health Services	City of Bayswater
Mr Kevin Davidson (Deputising for Mr Lutey)	Manager Health & Ranger Services	City of Belmont
Mr Charles Sullivan	Director 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

Mr Doug Pearson	Director Technical Services	City of Bayswater
Mr Ric Lutey	Director Technical Services	City of Belmont

Deputy Committee Members - Observers

Cr Gerry Pule	EMRC Member	Town of Bassendean
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EMRC Officers

Mr Stephen Fitzpatrick	Director Waste Services
Mr Hua Jer Liew	Director Corporate Services
Mr Johan Le Roux	Manager Engineering / Waste Services
Mr Dave Beresford	Project Engineer – Resource Recovery
Ms Terri-Ann Ashton	Manager Administration and Compliance
Ms Timea Galfi	Administration Research Officer
Ms Giulia Bono	Administration Support Officer (Minutes)

3 DISCLOSURE OF INTERESTS

Nil

4 ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION

Nil



5 ELECTION OF RESOURCE RECOVERY COMMITTEE CHAIRMAN AND DEPUTY CHAIRMAN

5.1 ELECTION OF A CHAIRMAN OF THE RESOURCE RECOVERY COMMITTEE

REFERENCE: D2014/03074

PURPOSE OF REPORT

To provide for an election to be conducted for the office of Chairman of the Resource Recovery Committee (RRC).

KEY ISSUES AND RECOMMENDATION(S)

- It is a statutory requirement that the Committee elect a Chairman at the first meeting of the Resource Recovery Committee (RRC) after an ordinary Council elections day.

Recommendation(s)

That the members of the Resource Recovery Committee elect a Chairman by secret ballot.

SOURCE OF REPORT

Manager Administration and Compliance

BACKGROUND

At the Special Meeting of Council held on Thursday 7 November 2013 the EMRC Chairman and Deputy Chairman were elected and members of the EMRC Committees were appointed.

RRC MEMBERS 2013 - 2015

The following members were appointed to the RRC at the Special Meeting of Council held on 7 November 2013:

COUNCILLOR MEMBERS

Cr Jennie Carter	Town of Bassendean
Cr Mike Anderton	City of Bayswater
Cr Janet Powell	City of Belmont
Cr Frank Lindsey	Shire of Kalamunda
Cr Tony Cuccaro	Shire of Mundaring
Cr Charlie Zannino	City of Swan

OFFICER MEMBERS

Director Operational Services	(Mr Simon Stewert-Dawkins)	Town of Bassendean
Director Technical Services	(Mr Doug Pearson)	City of Bayswater
Director Technical Services	(Mr Ric Lutey)	City of Belmont
Director Infrastructure Services	(Mr Charles Sullivan)	Shire of Kalamunda
Director Infrastructure Services	(Mr Shane Purdy)	Shire of Mundaring
Executive Manager Operations	(Mr Jim Coten)	City of Swan
Chief Executive Officer	(Mr Peter Schneider)	EMRC



Item 5.1 continued

In accordance with section 5.12(1) of the Local Government Act 1995 (the Act), the members of a committee are to elect a presiding member from amongst themselves in accordance with Schedule 2.3, Division 1.

It is a requirement of Schedule 2.3 of the Act that the election is conducted by the Chief Executive Officer and the nominations for the Office are to be given to the Chief Executive Officer in writing before the meeting or during the meeting before the close of nominations. Furthermore, if a member is nominated by another member the Chief Executive Officer is not to accept the nomination unless the nominee has advised the Chief Executive Officer, orally or in writing, that he or she is willing to be nominated for the Office. Members are to vote on the matter by secret ballot.

The procedure outlined in Schedule 2.3 of the Act will be followed if there is an equality of votes.

REPORT

The Chief Executive Officer will preside at the meeting until the office of Chairman is filled.

The following material accompanies the agenda for this meeting as a means of assisting members of the Committee to nominate themselves or another member for the Office of Chairman of the RRC.

1. A blank nomination form for the Office of Chairman of the RRC, nominate oneself
2. A blank nomination form for the Office of Chairman of the RRC, nominate another
3. A blank ballot paper for Election of Chairman of the RRC

Ballot papers will be made available prior to voting.

The completed nomination forms are to be given to the Chief Executive Officer before the meeting or when the Chief Executive Officer calls for them when dealing with this item at the meeting.

STRATEGIC/POLICY IMPLICATIONS

Council Policy 2.1 Committees of Council provides for the establishment of the Resource Recovery Committee

Key Result Area 4 – Good Governance

- 4.3 To provide responsible and accountable governance and management of the EMRC

FINANCIAL IMPLICATIONS

Nil

SUSTAINABILITY IMPLICATIONS

Nil



Item 5.1 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. A blank nomination form for the Office of Chairman of the RRC, nominate oneself (Ref: D2014/01937)
2. A blank nomination form for the Office of Chairman of the RRC, nominate another (Ref: D2014/01937)
3. Ballot Paper – Election of RRC Chairman (Ref: D2014/01938)

VOTING REQUIREMENT

Secret Ballot

RECOMMENDATION(S)

That the members of the Resource Recovery Committee elect a Chairman by secret ballot.

The Chief Executive Officer advised that two (2) nominations for the Office of Chairman of the RRC had been received, from Councillors Zannino and Cuccaro, and called for any further nominations.

Cr Lindsey nominated himself.

No further nominations were received.

Candidate names were listed on the ballot paper following the drawing of lots.

A secret ballot was then conducted and votes counted by the Chief Executive Officer and Director Corporate Services.

ANNOUNCEMENT: RESULT OF BALLOT FOR OFFICE OF CHAIRMAN

The CEO declared Cr Tony Cuccaro with six (6) votes Chairman of the Resource Recovery Committee for the term commencing 6 March 2014 until 2015.

The CEO congratulated Cr Cuccaro and vacated the chair at 5:11pm.

At 5:11pm, Cr Cuccaro took the Chair.



Nomination for Chairman Resource Recovery Committee

To the Chief Executive Officer

**I hereby nominate my self, _____ for the position of
Chairman of the Eastern Metropolitan Regional Council Resource Recovery
Committee for the term of Office commencing on the date of the election until the
next ordinary elections days and/or other circumstances occur in accordance
with section 5.11 of the Local Government Act 1995.**

Signed: _____

Date: _____



Nomination for Chairman Resource Recovery Committee

To the Chief Executive Officer

I hereby nominate _____ for the position of Chairman of the Eastern Metropolitan Regional Council Resource Recovery Committee for the term of Office commencing on the date of the election and continuing until the next ordinary elections days and/or other circumstances occur in accordance with section 5.11 of the Local Government Act 1995.

Signed: _____

Date: _____

*I _____ hereby certify that I accept the above nomination to the position of Chairman of the Eastern Metropolitan Regional Council Resource Recovery Committee.

Signed: _____

Date: _____

*This certificate is to be completed when a Representative is nominated by another Representative.



**Eastern Metropolitan Regional Council
RRC Thursday 6 March 2014**

**BALLOT PAPER FOR THE
ELECTION OF THE RRC CHAIRMAN**

HOW TO VOTE

Place a tick in the box next to the candidate you want to elect.

Do not make any other marks on the ballot paper.

First Name, Last name

First Name, Last name

First Name, Last name



5.2 ELECTION OF A DEPUTY CHAIRMAN OF THE RESOURCE RECOVERY COMMITTEE

REFERENCE: D2014/03075

PURPOSE OF REPORT

To provide for an election to be conducted for the office of Deputy Chairman of the Resource Recovery Committee (RRC).

KEY ISSUES AND RECOMMENDATION(S)

- In accordance with section 5.12(2) of the Local Government Act 1995, the members of a committee may elect a deputy presiding member from amongst themselves.

Recommendation(s)

That the members of the Resource Recovery Committee elect a Deputy Chairman by secret ballot.

SOURCE OF REPORT

Manager Administration and Compliance

BACKGROUND

At the Special Meeting of Council held on Thursday 7 November 2013 the EMRC Chairman and Deputy Chairman were elected and members of the EMRC Committees were appointed.

RRC MEMBERS 2013-2015

The following members were appointed to the RRC at the Special Meeting of Council held on 7 November 2013:

COUNCILLOR MEMBERS

Cr Jennie Carter	Town of Bassendean
Cr Mike Anderton	City of Bayswater
Cr Janet Powell	City of Belmont
Cr Frank Lindsey	Shire of Kalamunda
Cr Tony Cuccaro	Shire of Mundaring
Cr Charlie Zannino	City of Swan

OFFICER MEMBERS

Director Operational Services	(Mr Simon Stewert-Dawkins)	Town of Bassendean
Director Technical Services	(Mr Doug Pearson)	City of Bayswater
Director Technical Services	(Mr Ric Lutey)	City of Belmont
Director Infrastructure Services	(Mr Charles Sullivan)	Shire of Kalamunda
Director Infrastructure Services	(Mr Shane Purdy)	Shire of Mundaring
Executive Manager Operations	(Mr Jim Coten)	City of Swan
Chief Executive Officer	(Mr Peter Schneider)	EMRC



Item 5.2 continued

In accordance with section 5.12(2) of the Local Government Act 1995 (the Act), the members of a committee may elect a deputy presiding member from amongst themselves.

It is a requirement of Schedule 2.3 of the Act that the election is conducted by the Chairman and the nominations for the Office are to be given to the CEO in writing before the meeting or the Chairman during the meeting before the close of nominations. Furthermore, if a member is nominated by another member, the Chairman is not to accept the nomination unless the nominee has advised the Chairman, orally or in writing, that he or she is willing to be nominated for the Office. Members are to vote on the matter by secret ballot.

The procedure outlined in Schedule 2.3 of the Act will be followed if there is an equality of votes.

REPORT

The following material accompanies the agenda for this meeting as a means of assisting members of the Committee to nominate themselves or another member for the Office of Deputy Chairman of the RRC.

1. A blank nomination form for the Office of Deputy Chairman of the RRC, nominate oneself
2. A blank nomination form for the Office of Deputy Chairman of the RRC, nominate another
3. A blank ballot paper for Election of Deputy Chairman of the RRC

Ballot papers will be made available prior to voting.

The completed nomination forms are to be given to the CEO in writing before the meeting or when called for by the Chairman when dealing with this item at the meeting.

STRATEGIC/POLICY IMPLICATIONS

Council Policy 2.1 Committees of Council provides for the establishment of the Resource Recovery Committee

Key Result Area 4 – Good Governance

- 4.3 To provide responsible and accountable governance and management of the EMRC

FINANCIAL IMPLICATIONS

Nil

SUSTAINABILITY IMPLICATIONS

Nil



Item 5.2 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)

1. A blank nomination form for the Office of Deputy Chairman of the RRC, nominate oneself (Ref: D2014/01940)
2. A blank nomination form for the Office of Deputy Chairman of the RRC, nominate another (Ref: D2014/01940)
3. Ballot Paper – Election of RRC Deputy Chairman (Ref: D2014/01941)

VOTING REQUIREMENT

Secret Ballot

RECOMMENDATION(S)

That the members of the Resource Recovery Committee elect a Deputy Chairman by secret ballot.

The Chairman advised that no nominations for the Office of Deputy Chairman of the RRC had been received and called for nominations.

Cr Zannino nominated himself.

No further nominations were received.

ANNOUNCEMENT: OF THE OFFICE OF DEPUTY CHAIRMAN

There being no other nominations Cr Charlie Zannino was declared Deputy Chairman of the Resource Recovery Committee for the term commencing 6 March 2014 until 2015.



Nomination for Deputy Chairman Resource Recovery Committee

To the Chief Executive Officer

I hereby nominate my self, _____ for the position of Deputy Chairman of the Eastern Metropolitan Regional Council Resource Recovery Committee for the term of Office commencing _____ on the date of the election until the next ordinary elections days and/or other circumstances occur in accordance with section 5.11 of the Local Government Act 1995.

Signed: _____

Date: _____



Nomination for Deputy Chairman Resource Recovery Committee

To the Chief Executive Officer

I hereby nominate _____ for the position of Deputy Chairman of the Eastern Metropolitan Regional Council Resource Recovery Committee for the term of Office commencing on the date of the election and continuing until the next ordinary elections days and/or other circumstances occur in accordance with section 5.11 of the Local Government Act 1995.

Signed: _____

Date: _____

*I _____ hereby certify that I accept the above nomination to the position of Deputy Chairman of the Eastern Metropolitan Regional Council Resource Recovery Committee.

Signed: _____

Date: _____

*This certificate is to be completed when a Representative is nominated by another Representative.



**Eastern Metropolitan Regional Council
RRC Thursday 6 March 2014**

**BALLOT PAPER FOR THE
ELECTION OF THE RRC DEPUTY CHAIRMAN**

HOW TO VOTE

Place a tick in the box next to the candidate you want to elect.

Do not make any other marks on the ballot paper.

First Name, Last name

First Name, Last name

First Name, Last name



6 PETITIONS, DEPUTATIONS AND PRESENTATIONS

Nil

7 CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

7.1 MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 5 SEPTEMBER 2013

That the Minutes of the Technical Advisory Committee meeting held on 5 September 2013, which have been distributed, be confirmed.

TAC RESOLUTION(S)

MOVED MR COTEN

SECONDED MR PURDY

THAT THE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 5 SEPTEMBER 2013 WHICH HAVE BEEN DISTRIBUTED, BE CONFIRMED.

CARRIED UNANIMOUSLY

8 QUESTIONS BY MEMBERS OF WHICH DUE NOTICE HAS BEEN GIVEN

Nil

9 QUESTIONS BY MEMBERS WITHOUT NOTICE

Nil

10 ANNOUNCEMENT OF CONFIDENTIAL MATTERS FOR WHICH THE MEETING MAY BE CLOSED TO THE PUBLIC

Nil

11 BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING

Nil



12 REPORTS OF EMPLOYEES

12.1 PROGRESS REPORT ON THE HAZELMERE PYROLYSIS PLANT

REFERENCE: D2014/03072

PURPOSE OF REPORT

To advise Council on the status of the implementation of the Hazelmere wood waste pyrolysis project.

KEY ISSUES AND RECOMMENDATION(S)

- A design review meeting was held in November 2013 to finalise aspects of the process design and inspect the proposed gas engine plant in Stafford.
- The first stage of the grid connection process with Western Power, an Early Undertakings Agreement contract, has been completed and a proposal received for the next stage.
- Discussions are progressing with several options for a power purchase agreement.
- The Works Approval Application to the Department of Environmental Protection and Section 38 Referral to the EPA was completed in January 2014.
- Community engagement meetings were held with the Community Action Network and the Hazelmere Progress Association through January and February 2014.
- Adverse publicity on the proposal occurred following advertisement of the proposal by the Department of Environment Regulation (DER) and Environmental Protection Authority (EPA).

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 12.1 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”.



Item 12.1 continued

REPORT

The design and construct contract with Ansac was completed and executed in October 2013 following which a contract payment was made of \$230,000 less EMRC project expenditure to that point.

In November 2013, a design review meeting was held at Anergy's office in Cardiff, Wales and was attended by the Director Waste Services after approval by the CEO in consultation with the Chairman. Anergy is the sister company to Ansac and are responsible for the detailed design and procurement. The meeting was also attended by Professor Dongke Zhang of UWA as a collaboration partner and independent expert on these technologies. Several aspects of the design were resolved at the three day meeting and visits were made to inspect the engine factories of Mayphil in Wales and Perkins in Stafford. Collectively, these companies will be manufacturing the gas engines, assembling the engines, generating sets and controls in soundproof enclosures and delivering and commissioning the equipment at Hazelmere.

Environmental consultants Stratagen were appointed to complete documentation for a Works Approval and a Section 38 Referral to the Environmental Protection Authority, including supporting studies on air quality dispersion modelling, wastewater discharge, traffic and dust impacts. Stratagen were also required to complete a mass balance for the process showing the fate of various chemical parameters in the feedstock. This analysis has formed the basis of the air quality impact assessment model for the plant.

A noise impact assessment was completed by Lloyd George Acoustics including a background noise survey which also formed part of the DER/EPA submission.

Meetings were held with the regulatory authorities prior to the development of the impact assessment documentation to ensure their requirements were being fully addressed.

The draft Works Approval Application was lodged with the DER in late December 2013 and the Section 38 Referral was lodged on 20 January 2014 suggesting the proposal be assessed under Part V of the Act. On 3 February 2014, the EPA advertised the Works Approval for a 3 week comment period and on 6 February, the proposal was advertised for a 7 day comment period.

Western Power grid connection and power purchase agreement

The process to obtain a grid connection with Western Power has continued with their completion of an Early Undertakings study and a proposal for the next stage, a scoping study and detailed costing study has been received for consideration.

Discussions have been proceeding with several energy retailers regarding a power purchase agreement.

Community engagement

Community engagement has continued, with further meetings being held with the Hazelmere Progress Association and the Community Action Network in January and February 2014. Following a letterbox drop of EMRC meeting flyers in Hazelmere, about fifty-five members of the community were present at the Hazelmere Progress Association meeting on 17 February to hear presentations on the project and ask questions of the EMRC.

Concerns were expressed over the short time for comment on the environmental approval documentation, however the DER and EPA are simply following their administrative procedures.

Media enquiries have been fully responded to in writing and project information on the Hazelmere pyrolysis project (including DER and EPA comment periods and web links) and the Hazelmere Resource Recovery Park has been frequently updated on the EMRC's website.

Further community engagement activities are planned over the next few months and will address concerns raised in the media and at these public meetings. The Powerpoint presentation given to the Hazelmere Progress Association has been added to the EMRC website at <http://www.emrc.org.au/pyrolysis-plant-facts.html>, together with the Works Approval application and EPA referral documentation.



Item 12.1 continued

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

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

FINANCIAL IMPLICATIONS

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

SUSTAINABILITY IMPLICATIONS

The Resource Recovery Project is aimed at reducing greenhouse gas emissions from the EMRC's waste disposal operations and State programmes for reduction of waste to landfill.

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.



Item 12.1 continued

Discussion ensued

The Director Waste Services provided a brief overview of the report and gave a presentation regarding the Hazelmere Pyrolysis Plant technology and approval process.

RRC RECOMMENDATION(S)

MOVED CR ZANNINO

SECONDED CR LINDSEY

That the report be received.

CARRIED UNANIMOUSLY



12.2 PROGRESS REPORT ON THE HAZELMERE RESOURCE RECOVERY PARK

REFERENCE: D2014/03073

PURPOSE OF REPORT

To advise Council of the progress of a proposed Commercial and Industrial (C&I) waste facility at the Hazelmere Resource Recovery Park.

KEY ISSUES AND RECOMMENDATION(S)

- Site infrastructure planning is proceeding.
- The EMRC was successful in receiving a grant under the Regional Funding Program of the Waste Authority.
- Work has been proceeding to refine the business case for a C&I sorting facility to process dry C&I and verge waste streams.
- A draft tender specification has been developed.
- The C&I waste sorting facility is part of the concept plan for the Hazelmere Resource Recovery Park.

Recommendation(s)

That the report be received.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

A report to Council in August 2011 (Ref: DMDOC/150840) on the regional funding program resolved:

“THAT:

1. *THE INFORMATION BE NOTED.*
2. *MEMBER COUNCILS BE REQUESTED TO CONFIRM THE EMRC IS TO BE THE ENTITY REPRESENTING THE MEMBER COUNCILS IN REGARDS TO THE REGIONAL FUNDING PROGRAMME.*
3. *THE CITY OF STIRLING BE INVITED TO JOIN WITH THE MEMBER COUNCILS IN THE REGIONAL FUNDING PROGRAMME CONDITIONAL UPON WRITTEN AGREEMENT TO UNDERTAKE A PROJECT OR PROJECTS THAT BENEFIT BOTH THE CITY OF STIRLING AND THE EMRC”.*

In April 2012, Council (Ref: DMDOC/161988) resolved:

“THAT:

1. *MEMBER COUNCILS BE REQUESTED TO SUPPORT THE APPLICATION FOR FUNDING TO CONSTRUCT A BUILDING IN WHICH WASTE AUDITS BE UNDERTAKEN.*
2. *MEMBER COUNCILS BE REQUESTED TO SUPPORT THE PURCHASE OF HOOK LIFT BINS INTO WHICH MATERIALS THAT CAN BE RECYCLED CAN BE COLLECTED.*
3. *MEMBER COUNCILS BE REQUESTED TO SUPPORT THE PURCHASE OF THE EQUIPMENT TO PROCESS MATERIALS COLLECTED FOR RECYCLING.*
4. *MEMBER COUNCILS BE REQUESTED TO NOMINATE OTHER PROJECTS THAT THEY WISH TO HAVE INCLUDED IN THE SUBMISSION.*
5. *THE CITY OF STIRLING BE REQUESTED TO NOMINATE OTHER PROJECTS THEY WISH TO HAVE INCLUDED IN THE SUBMISSION”.*



Item 12.2 continued

In June 2013, the EMRC (with the support of the six member Councils and the City of Stirling) applied for grant funding for waste processing infrastructure and equipment at the Hazelmere Resource Recovery Park under the Regional Funding Program (RFP) of the Waste Authority. No other projects were nominated by either the member Councils or the City of Stirling.

In November 2013 the Waste Authority advised the EMRC was successful and that an amount of \$388,000 plus GST was awarded to the project. A signed contract was received from the Waste Authority in January 2014.

REPORT

Site Infrastructure Development

The contract for site Engineering Services and Landscaping was awarded to Opus International Consultants in October 2013.

Preliminary meetings have been held with City of Swan planning section to verify urban design issues and discuss any requirements of future development in the vicinity.

Opus have reviewed, from an engineering design perspective, the original concept plan developed by Hassell and have recommended several amendments to the layout to facilitate operational functionality. Traffic flow modelling has been utilised to alter the internal road network and for relocation of some of the proposed infrastructure (Attachment 1). Recommendations have also been submitted for the proposed entrances and amendments made to these due to issues identified by the traffic study.

Officers of the City of Swan and EMRC have established working relationships to foster information sharing especially with respect to the proposed upgrade of the road and drainage infrastructure around the site. Conceptual road and drainage plans have been obtained by EMRC and these have been incorporated into the design process Opus are undertaking.

Commercial and Industrial Waste Plant

The RFP project proposal submitted to the Waste Authority in June 2013 provided for expenditure on infrastructure to various items of equipment so as to maximise the recovery of resources from the C&I and verge waste streams. This was to be a small scale facility to prove the concept of C&I waste sorting.

The budgeted expenditure included:

1. A concrete slab on which the sorting and processing will be undertaken at a cost in the order of \$300,000 based on a slab size of 40.0 metres X 60.0 metres.
2. A temporary structure consisting of 8 X 40 seatainers and a Dome Shelter approximately 21.0m X 30.0m estimated to cost \$92,000.
3. Various items of plant and equipment – trommels, sorting stations (Weldstar), shredding equipment (HAAS, HDWV-D), conveyors, stackers and baling equipment will be hired to identify those items that will be most suitable to maximise resource recovery. Estimated cost for 12 months \$720,000.
4. Hooklift bins (6 X 40m³) into which the recyclable materials will be placed @ \$12,500/bin, total of \$75,000.
5. Hire of mobile plant – loaders excavators with grabs and skid steer loaders with grab buckets \$138,000.

Funding RFP	\$388,000
EMRC Funding	<u>\$637,000</u>
Total Cost	\$1,025,000 (ex. GST)



Item 12.2 continued

Since submission of the project proposal, a waste audit of the household bins and commercial waste received at Red Hill has been conducted to provide data for a C&I sorting facility. The EMRC has also obtained price estimates for a waste sorting facility based on a picking line and sorting stations and amended the location of the proposed C&I facility in the concept plan for the Hazelmere Resource Recovery Park (Attachment 2).

A business case is being developed for the proposed C&I facility based on revenue received from gate fees, scrap metal, aluminium, plastics, PET, mixed plastics, HDPE, mixed paper, cardboard and newsprint.

A draft specification for a demonstration C&I facility has been developed and a separate specification will be developed for the building to house the equipment. Whilst this is a variation to the project proposal submitted to the Waste Authority, they are amenable to this change of scope.

The C&I facility will need a Works Approval from the Department of Environment and Regulation (DER) under Category 62 (Waste Report) and Category 67a (shredding and processing). Preliminary discussions have been held with DER officers and it is anticipated this will be lodged in March/April 2014, subject to approval of the business case.

Likewise a Development Application for the construction of the facility will be submitted to the City of Swan in the coming months.

The likely timing is that a tender will be finalised by June 2014, followed by construction and commissioning in 2014/2015 after all relevant DER and City of Swan approvals have been secured.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.1 To provide sustainable waste disposal operations
 - 1.1.3 Develop Hazelmere Resource Recovery Park
- 1.3 To provide resource recovery and recycling solutions in partnership with member Councils
 - 1.3.2 Identify and develop resource recovery products and markets in order to reduce waste going to landfill.

FINANCIAL IMPLICATIONS

For the initial development, the budget is expected to be around \$2.5 million, of which \$388,000 ex GST will be provided by the Waste Authority.

A budget amount of \$3.0 million is provided in the Resource Recovery Budget for 2013/2014 and 2014/2015 periods.

SUSTAINABILITY IMPLICATIONS

The project will enable additional actions that improve the sustainability of waste operations to be implemented.



Item 12.2 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)

1. Revised Concept Plan Road Layout (Ref: D2014/02568)
2. Concept Plan, Hazelmere Resource Recovery Park (Ref: D2014/02465)

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That the report be received.

Discussion ensued

The Director Waste Services provided a brief overview of the report. The Project Engineer – Resource Recovery also provided an outline of the Hazelmere Resource Recovery Park road layout based on the concept plan.

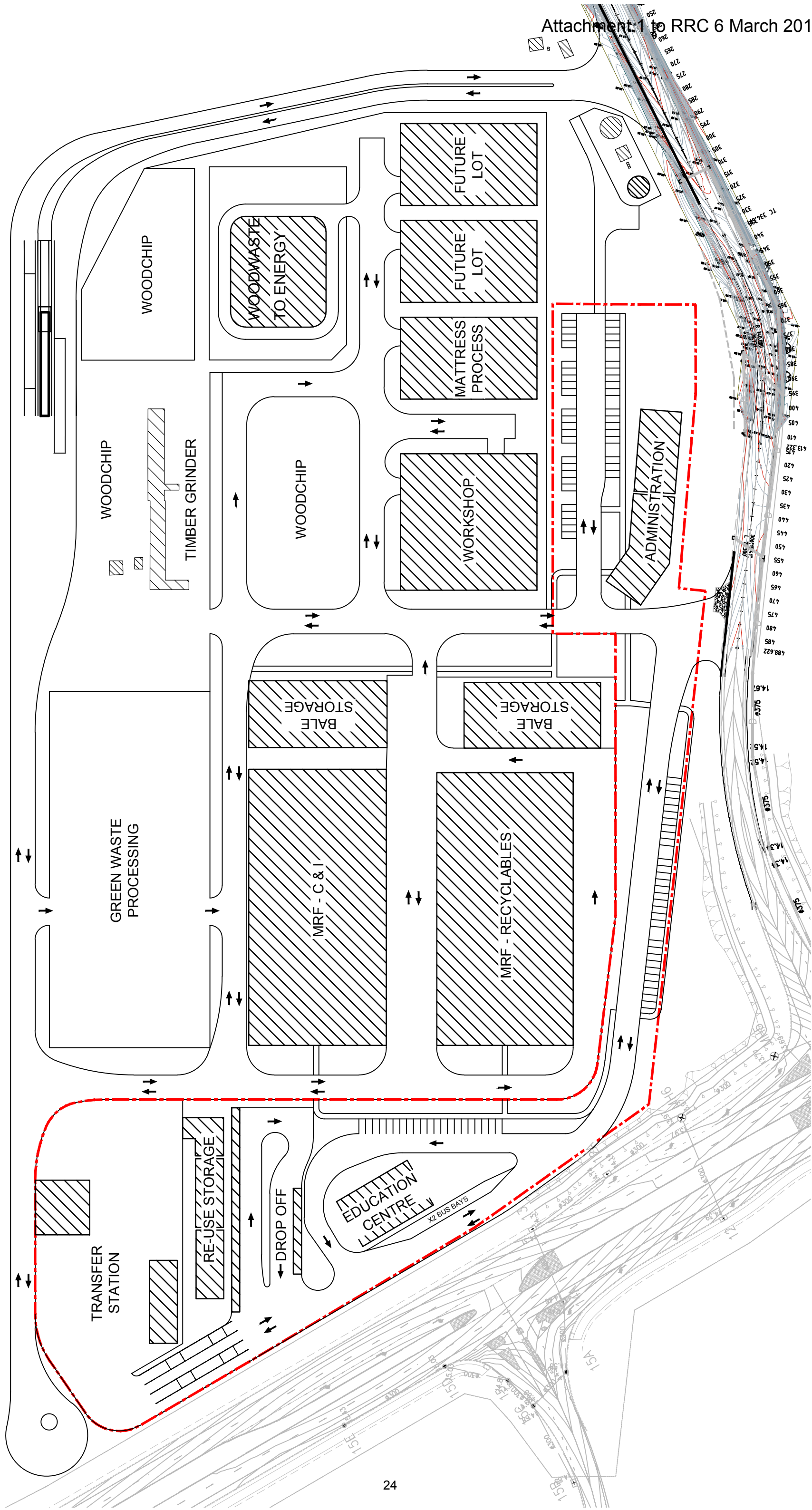
RRC RECOMMENDATION(S)

MOVED CR LINDSEY

SECONDED CR ZANNINO

That the report be received.

CARRIED UNANIMOUSLY





- Key**
- 01 Public entry
 - 02 Admin Building
 - 03 Commercial entry
 - 04 Workshop
 - 05 Mattress process workshop
 - 06 Future lot
 - 07 Future lot
 - 08 Wood chip stockpile
 - 09 Waste to Energy Plant
 - 10 Wood chip stockpile
 - 11 Timber Grinding Area
 - 12 Green Waste Area
 - 13 Commercial and Industrial Waste
 - 14 Baled Material from Commercial and Industrial Waste
 - 15 Materials Recovery Facility
 - 16 Baled Material From Materials Recovery Facility
 - 17 Community Parking
 - 18 Office and Education Centre
 - 19 Recycling Drop off
 - 20 Re use and tip shop, E waste shed and battery collection
 - 21 Public Transfer Station
 - 22 Existing transformer
 - 23 Existing water tanks
 - 24 Swale planting

Date 23rd July 2013
Revision A
Scale 1:1500@A3
Drawing Land Uses



13 REPORTS OF DELEGATES

Nil

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

Nil

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

Nil

16 FUTURE MEETINGS OF THE RESOURCE RECOVERY COMMITTEE

The next meeting of the Resource Recovery Committee will be held on **Thursday, 3 April 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	3	April (if required)	at	EMRC Administration Office
Thursday	8	May (if required)	at	EMRC Administration Office
Thursday	5	June (if required)	at	EMRC Administration Office
Thursday	10	July (if required)	at	EMRC Administration Office
Thursday	7	August (if required)	at	EMRC Administration Office
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

17 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 5:55pm.