

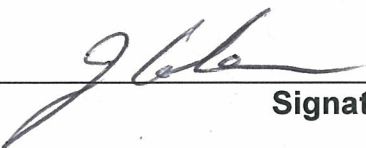


MINUTES

CERTIFICATION OF CONFIRMATION OF COMMITTEE MEETING MINUTES

9 MAY 2013

I, Mr Jim Coten, hereby certify that the following minutes [pages 1 to 15] of the Meeting of **TECHNICAL ADVISORY COMMITTEE** held on 9 May 2013 were confirmed at a meeting of the Committee held on 4 July 2013.



Signature

Mr Jim Coten

Person presiding at the Committee Meeting held on 4 July 2013

TECHNICAL ADVISORY COMMITTEE

MINUTES

9 May 2013

(REF: COMMITTEES-15506)

A meeting of the Technical Advisory Committee was held at the EMRC Administration Office, 1st Floor, 226 Great Eastern Highway, BELMONT WA 6104 on **Thursday, 9 May 2013**. The meeting commenced at **4:00pm**.

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1 DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS

The Chairman opened the meeting at 4:00pm.

2 ATTENDANCE, APOLOGIES AND LEAVE OF ABSENCE PREVIOUSLY APPROVED

Committee Members

Mr Jim Coten (Chairman)	Executive Manager Operations	City of Swan
Mr Simon Stewert-Dawkins (Deputy Chairman) (<i>from 4.12pm</i>)	Director Operational Services	Town of Bassendean
Mr Ric Lutey	Director Technical Services	City of Belmont
Mr Sam Assaad	Manager Infrastructure Services	Shire of Kalamunda
Mr Shane Purdy	Director Infrastructure Services	Shire of Mundaring
Mr Peter Schneider	Chief Executive Officer	EMRC

Apologies

Mr Doug Pearson	Director Technical Services	City of Bayswater
Mr Clayton Higham	Director Development and Infrastructure Services	Shire of Kalamunda

EMRC Officers

Mr Brian Jones	Director Waste Services
Mr Hua Jer Liew	Director Corporate Services
Mr Stephen Fitzpatrick	Manager Project Development
Mr Johan Le Roux	Manager Waste Services
Ms Giulia Bono	Administration Officer (Minutes)

Observer(s)

Binh Luong	Acting Manager Environmental Health	City of Bayswater
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3 DISCLOSURE OF INTERESTS

Nil

4 ANNOUNCEMENT BY THE CHAIRMAN OR PERSON PRESIDING WITHOUT DISCUSSION

Nil



5 CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

5.1 MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 7 FEBRUARY 2013

That the Minutes of the Technical Advisory Committee meeting held on 7 February 2013, which have been distributed, be confirmed.

TAC RESOLUTION(S)

MOVED MR ASSAAD

SECONDED MR LUTEY

THAT THE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 7 FEBRUARY 2013 WHICH HAVE BEEN DISTRIBUTED, BE CONFIRMED.

CARRIED UNANIMOUSLY

6 PRESENTATIONS

Nil

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

Nil

8 BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING

Nil



9 REPORTS OF OFFICERS

9.1 AMENDED DRAFT FEES AND CHARGES

REFERENCE: COMMITTEES-15534

PURPOSE OF REPORT

The purpose of the report is to propose amendments to the 2013/2014 Draft Fees and Charges.

KEY ISSUES AND RECOMMENDATION(S)

- In preparing the draft 2013/2014 Budget some fees in the 2013/2014 Draft Fees and Charges, previously considered by Council, need to be reviewed.
- It is proposed that the disposal rate for member Councils and non member local governments be increased from the \$126.60/tonne rate previously proposed, by \$0.40/tonne, such that the disposal rate inclusive of the Landfill Levy, the Carbon Price and GST be \$127.00/tonne.
- It is proposed the disposal rate for commercial entities be increased from the \$129.00/tonne rate previously proposed, by \$1.00/tonne, so that the rate, inclusive of the Landfill Levy, the Carbon Price and GST becomes \$130.00/tonne.
- It is proposed to increase the disposal rate for uncontaminated green waste delivered to Red Hill or Hazelmere for both member Councils and commercial entities.
- It is proposed to increase the disposal charge for wood waste delivered to Hazelmere such that, for Grade 1 wood waste, the disposal charge will be \$8.00/m³ or \$80.00/tonne and for Grade 2 wood waste \$9.00/m³ or \$90.00/tonne. These rates are inclusive of GST.

Recommendation(s)

That the amended Draft Fees and Charges, forming the attachment to this report, be used in further developing the 2013/2014 Draft Budget and that member Councils be advised accordingly.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

At the Council meeting held 21 February 2013 a Draft Schedule of Fees and Charges was submitted for consideration by Council so that preliminary work on the Draft 2013/2014 Budget could be undertaken (Ref: Committees-15157).

REPORT

Substantial work on the Draft 2013/2014 Budget has been undertaken and a requirement to modify some of the draft fees and charges has been identified.

In regards to waste disposal the proposed new fee for member Councils and non member local governments will be \$127.00/tonne, inclusive of GST, the Landfill Levy and Carbon Price, an increase of \$0.40/tonne over what was proposed before work on the Draft 2013/2014 Budget was started.



Item 9.1 continued

This rate compares favourably to the \$136.10/tonne currently being charged by the Mindarie Regional Council to its member Councils for processable/putrescible waste. Furthermore, the Mindarie Regional Council is charging its member Councils \$136.58/tonne for non-processable/non-putrescible waste and an average of \$136.18/tonne for residuals for material from the Bio Vision MRF and the Wanneroo MRF.

It is proposed to increase the fee for commercial waste from the \$129.00/tonne (inclusive of GST, Landfill Levy and Carbon Price) to \$130.00/tonne (inclusive of GST, Landfill Levy and Carbon Price).

The proposed new commercial waste fee is the same as the GST inclusive fee currently being charged by the City of Cockburn for waste disposal in the lined landfill cell at the City of Cockburn's Henderson Waste Recovery Park. Since it is likely the City of Cockburn will increase its disposal fees for 2013/2014 the proposed new rate for disposal at Red Hill should still be attractive to commercial entities that handle significant large volumes and qualify for the volume discounts.

The City of Rockingham's proposed fees and charges for 2013/2014 indicate a standard disposal fee of \$117.60/tonne with "volume" discounts of \$7.00/tonne, \$10.50/tonne, \$12.30/tonne, \$14.00/tonne, \$15.80/tonne and \$17.60/tonne for quantities in excess of 10,000 tonnes, 20,000 tonnes, 30,000 tonnes, 50,000 tonnes and 75,000 tonnes respectively. The City of Rockingham also propose a gate fee of \$71.60/tonne (exclusive of GST), the Landfill Levy and the discount rate with CPI increased for customers prepared to enter into a 3 year contract to deliver at least 20,000 tonnes of waste per annum so as to secure tonnages. Whilst it may be these rates will attract waste from the commercial and industrial areas that have access to the Kwinana Freeway it is considered the proposed rate of \$130.00/tonne will still result in Red Hill receiving some 120,000 tonnes of commercial waste for 2013/2014.

In regards to the draft fees and charges for green waste from member Councils and from commercial entities it is anticipated that, to cover the anticipated increased processing and transport costs, it will be necessary to increase the fee from the \$42.75/tonne initially proposed to \$45.00/tonne for member Councils delivering to either Red Hill or Hazelmere and, for commercial entities from the \$58.03/tonne initially proposed to \$60.00/tonne for green waste delivered to Red Hill and from the \$70.40/tonne initially proposed to \$72.50/tonne for green waste delivered to Hazelmere. These rates are inclusive of GST.

It is also proposed to increase the fees for the disposal of wood waste to the Hazelmere Recycling Facility from the \$7.00/m³ (\$70.00/tonne) for Grade 1 wood waste and the \$8.00/m³ (\$80.00/tonne) for Grade 2 wood waste originally proposed to \$8.00/m³ (\$80.00/tonne) and \$9.00/m³ (\$90.00/tonne) respectively. These rates are inclusive of GST.

It is also proposed to increase the disposal fee for commercial entities, delivering mattresses at the Hazelmere Recycling Facility, from \$15.00/mattress to \$16.50/mattress (inc.GST). The additional income, together with the anticipated income from the sale of spring steel should cover the operating costs and depreciation costs of a shredder capable of shredding the mattress springs.

All other draft fees and charges remain unchanged from those submitted to Council in February 2013.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

- 1.1 To provide sustainable waste disposal operations

Key Result Area 4 – Good Governance

- 4.1 To improve member Council and EMRC financial viability



Item 9.1 continued

FINANCIAL IMPLICATIONS

Fees and charges are set to ensure the costs of providing waste management services are recouped whilst minimising costs to member Councils.

SUSTAINABILITY IMPLICATIONS

Fees and charges are set so as to ensure services are sustainable in the long term.

MEMBER COUNCIL IMPLICATIONS

Based on projected waste tonnages for 2013/2014 the impact of the proposed increase of \$0.40/tonne (inclusive of GST) in the disposal fee for member Councils is:

Member Council	Implication Details
Town of Bassendean	\$2,326.00
City of Bayswater	\$6,312.00
City of Belmont	\$4,718.00
Shire of Kalamunda	\$8,996.00
Shire of Mundaring	\$4,799.00
City of Swan	\$16,285.00

ATTACHMENT(S)

Revised schedule of Waste Management proposed Draft Fees and Charges for 2013/2014 (Ref: Committees-15536)

VOTING REQUIREMENT

Simple Majority

RECOMMENDATION(S)

That the amended Draft Fees and Charges, forming the attachment to this report, be used in further developing the 2013/2014 Draft Budget and that member Councils be advised accordingly.

TAC RECOMMENDATION(S)

MOVED MR LUTEY

SECONDED MR PURDY

That the amended Draft Fees and Charges, forming the attachment to this report, be used in further developing the 2013/2014 Draft Budget and that member Councils be advised accordingly.

CARRIED UNANIMOUSLY

POST MEETING NOTE

Subsequent to the TAC meeting it was proposed that in order to encourage member Councils to utilise EMRC ferricrete, that a member Council rate be struck at \$8.00 per tonne (ex GST). This had the support of the TAC members who were consulted after the meeting and the fee has been included in the attachment to this report.

**EASTERN METROPOLITAN REGIONAL COUNCIL
2013/2014 WASTE MANAGEMENT PROPOSED SCHEDULE OF FEES AND CHARGES**

Description	Unit	2012/2013 Charges		2012/2013 Charges		2013/2014 Charges		2013/2014 Charges		% Inc GST
		with no GST \$	Value of GST \$	inc GST \$	Value of GST \$	with no GST \$	Value of GST \$	inc GST \$	Value of GST \$	
Waste Management Charges										
Disposal Rates										
Member Councils	1 tonne									
Base Tipping Fee		45.19	4.52	49.71		49.55				9.65%
CWES Levy		3.00	0.30	3.30		3.00				0.00%
Secondary Waste Reserve		28.00	2.60	28.60		28.00				7.69%
Landfill Levy		28.00	2.80	30.80		28.00				0.00%
Carbon Price		6.90	0.69	7.59		6.90				
Total Member Council disposal rate - (*)		109.09	10.91	120.00		115.45	11.55	127.00		5.83%
Councils - Other										
Non-Member Local Government - Commercial	1 tonne	108.18	10.82	119.00		115.45	11.55	127.00		6.72%
WMRC - Domestic (*)	1 tonne	N/A	N/A	N/A		N/A	N/A	N/A		N/A
WMRC - Commercial	1 tonne	N/A	N/A	N/A		N/A	N/A	N/A		N/A
Domestic Refuse Tip Pass (Gidjegannup @ 3bags/wk)	n/a	4.00	0.40	4.40		4.09	0.41	4.50		2.25%
Council Refuse Tip Passes - Cars (up to 200kg)	n/a	21.82	2.18	24.00		22.73	2.27	25.00		4.17%
Council Refuse Tip Passes - Trailers (up to 500kg)	n/a	38.18	3.82	42.00		39.09	3.91	43.00		2.38%
General Waste										
Cars / Station Wagons	n/a	22.73	2.27	25.00		23.64	2.36	26.00		4.03%
Trailers (6 x 4)	n/a	40.91	4.09	45.00		41.82	4.18	46.00		2.22%
Trailers (6 x 4) High Sides	n/a	50.00	5.00	55.00		51.82	5.18	57.00		3.64%
Tandem/ Horse Floats (< 1 tonne)	n/a	72.73	7.27	80.00		76.36	7.64	84.00		4.99%
Vans / Utes	n/a	38.18	3.82	42.00		40.00	4.00	44.00		4.77%
Commercial (General)	1 tonne	109.09	10.91	120.00		118.18	11.82	130.00		8.33%
Minimum Commercial Charges	0.50 tonnes	54.55	5.45	60.00		58.64	5.86	64.50		7.51%
Greenwaste										
Greenwaste - Member Councils (uncontaminated - Red Hill & Hazelmere)	1 tonne	36.36	3.64	40.00		40.91	4.09	45.00		12.51%
Greenwaste - Member Councils (stumps/logs/palms)	1 tonne	109.09	10.91	120.00		115.09	11.51	126.60		5.50%
Greenwaste - MGB (Member Councils)	1 tonne	74.19	7.42	81.61		90.55	9.05	99.60		22.05%
Greenwaste - Commercial (uncontaminated - Red Hill)	1 tonne	50.00	5.00	55.00		54.55	5.45	60.00		9.10%
Greenwaste - Commercial (stumps/logs/palms)	1 tonne	109.09	10.91	120.00		117.27	11.73	129.00		7.50%
Greenwaste - uncontaminated (to Hazelmere)	1 tonne	60.00	6.00	66.00		65.91	6.59	72.50		9.85%
Greenwaste - shredded to EMRC specification (to Red Hill)	1 tonne	5.00	0.50	5.50		10.00	1.00	11.00		100.00%
Greenwaste - shredded to EMRC specification (to Hazelmere)	1 tonne	N/A	N/A	N/A		7.50	0.75	8.25		N/A

(Cumulative Commercial & Contaminated Soils tonnages disposed in excess of 15,000 tonnes and 25,000 tonnes over financial year are subject to a reduction of \$5.00/tonne and \$10.00/tonne respectively.)

(*) 2013/2014 - Inclusive of \$28.00 Secondary Waste Reserve and \$3.00 CWES Levy.

* Minimum charge for greenwaste 0.5 tonnes

Note:

In the event that the weighbridges at Red Hill Waste Management Facility are not operational, vehicles will be charged according to their carrying capacity (in tonnes) multiplied by the appropriate rate from the schedule of fees and charges according to the type of waste being disposed.

**EASTERN METROPOLITAN REGIONAL COUNCIL
2013/2014 WASTE MANAGEMENT PROPOSED SCHEDULE OF FEES AND CHARGES**

Description	Unit	2012/2013 Charges		2012/2013 Charges		2013/2014 Charges		2013/2014 Charges		% Inc Exc. GST
		with no GST	Value of GST	Inc GST	Value of GST	with no GST	Value of GST	Inc GST	Value of GST	
		\$	\$	\$	\$	\$	\$	\$	\$	
Waste Management Charges continued ..										
Disposal Rates continued..										
Special Wastes										
Asbestos	1 tonne	163.64	16.36	180.00	171.82	17.18	189.00	5.00%		
Asbestos - Member Council residents only	1 tonne	100.00	10.00	110.00	105.00	10.50	115.50	5.00%		
Asbestos - Minimum Charge		22.73	2.27	25.00	45.45	4.55	50.00	100.00%		
Asbestos (Wrapped)	1 tonne	135.64	13.56	149.20	145.45	14.55	160.00	7.23%		
Asbestos (Wrapped) - Member Council residents only	1 tonne	72.00	7.20	79.20	75.45	7.55	83.00	4.79%		
Asbestos (Wrapped) - Minimum Charge		18.18	1.82	20.00	22.73	2.27	25.00	25.03%		
Asbestos Contaminated Class 1 material <5,000m ³	1 m ³	N/A	N/A	N/A	34.09	3.41	37.50	N/A		
Asbestos Contaminated Class 1 material >5,000m ³	1 m ³	N/A	N/A	N/A	25.00	2.50	27.50	N/A		
Car Bodies - Commercial	each	22.73	2.27	25.00	22.73	2.27	25.00	0.00%		
Car Bodies - Member Council residents only	each	9.09	0.91	10.00	13.64	1.36	15.00	50.06%		
Quarantine Waste	1 tonne	136.36	13.64	150.00	143.18	14.32	157.50	5.00%		
Burial Fee (for immediate burial requirements)	n/a	136.36	13.64	150.00	143.18	14.32	157.50	5.00%		
Handling Fee (for special handling requirements)	n/a	136.36	13.64	150.00	143.18	14.32	157.50	5.00%		
Tyre Disposal (off rim) *	each	5.00	0.50	5.50	5.00	0.50	5.50	0.00%		
Tyre Disposal (with rim) *	each	6.82	0.68	7.50	6.82	0.68	7.50	0.00%		
Tyre Recovery Charges (for tyres at the landfill face)	each	22.73	2.27	25.00	22.73	2.27	25.00	0.00%		
Mattress disposal fee (Member Council Residents)	each	5.00	0.50	5.50	6.82	0.68	7.50	36.40%		
Mattress disposal fee (Charitable Organisations)	each	10.00	1.00	11.00	10.00	1.00	11.00	0.00%		
Mattress disposal fee (Commercial)	each	13.64	1.36	15.00	15.00	1.50	16.50	9.97%		
E-Waste (Price applicable after quota has been reached under Infoactive agreement)	each	9.10	0.90	10.00	9.10	0.90	10.00	0.00%		
Wash Facility Fee	n/a	36.36	3.64	40.00	36.36	3.64	40.00	0.00%		
Class III Waste	1 tonne	109.09	10.91	120.00	118.18	11.82	130.00	8.33%		
Class III Contaminated Soil	1 tonne	100.00	10.00	110.00	105.00	10.50	115.50	5.00%		
Class IV Waste	1 tonne	159.09	15.91	175.00	170.00	17.00	187.00	6.86%		
Class IV Contaminated Soil	1 tonne	136.36	13.64	150.00	143.18	14.32	157.50	5.00%		
Class V Waste - Concrete encapsulated drums (L 900mm D 600mm)	each	454.55	45.45	500.00	545.45	54.55	600.00	20.00%		
Class V Waste - Concrete encapsulated bulka bags (1.1m x 1.1m x 1.1m)	each	909.09	90.91	1000.00	1363.64	136.36	1500.00	50.00%		
Administration Charge - Class III (for waste acceptance approvals)	consignment	109.09	10.91	120.00	113.64	11.36	125.00	4.17%		
Administration Charge - Class IV (for waste acceptance approvals)	consignment	136.36	13.64	150.00	143.18	14.32	157.50	5.00%		
Clean Fill/Inert Waste - Commercial (no sorting required)	1 m ³ (1,000m ³ min)	15.00	1.50	16.50	15.00	1.50	16.50	0.00%		
Clean Fill/Inert Waste - Commercial (minor sorting required)	1 m ³ (1,000m ³ min)	20.00	2.00	22.00	20.00	2.00	22.00	0.00%		
Clean Fill/Inert Waste - Commercial (unsuitable for re-use)	1 m ³ (1,000m ³ min)	150.00	15.00	165.00	163.64	16.36	180.00	9.09%		
Clean Fill/Inert Waste - Member Councils (no sorting required)	1 m ³	13.50	1.35	14.85	13.64	1.36	15.00	1.04%		
Clean Fill/Inert Waste - Member Councils (minor sorting required)	1 m ³	18.00	1.80	19.80	18.18	1.82	20.00	1.00%		
Acid Sulphate Soil Treatment	As required	Actual Acid Sulphate Soil Treatment Contractor's Treatment Cost + 10% Surcharge		Actual Acid Sulphate Soil Treatment Contractor's Treatment Cost + 10% Surcharge		Actual Acid Sulphate Soil Treatment Contractor's Treatment Cost + 10% Surcharge		N/A		

(Cumulative Commercial & Contaminated Soils tonnages disposed in excess of 15,000 tonnes and 25,000 tonnes over financial year are subject to a reduction of \$5.00/tonne and \$10.00/tonne respectively.)

* Only car and 4 wheel drive vehicle tyres accepted

**EASTERN METROPOLITAN REGIONAL COUNCIL
2013/2014 WASTE MANAGEMENT PROPOSED SCHEDULE OF FEES AND CHARGES**

Description	Unit	2012/2013 Charges		2012/2013 Charges		2013/2014 Charges		2013/2014 Charges		% Inc Exc. GST
		with no GST	Value of GST	inc GST	Value of GST	with no GST	Value of GST	inc GST	Value of GST	
		\$	\$	\$	\$	\$	\$	\$	\$	
Waste Management Charges continued...										
Hazelmere										
Wood Waste (per cubic metre)										
- Grade 1	1 m ³	6.36	0.64	7.00		7.27	0.73	8.00	8.00	14.31%
- Grade 2	1 m ³	7.27	0.73	8.00		8.18	0.82	9.00	9.00	12.52%
- Contaminated	1 m ³	18.18	1.82	20.00		22.73	2.27	25.00	25.00	25.03%
Wood Waste (per tonne)										
- Grade 1	1 tonne	63.64	6.36	70.00		72.73	7.27	80.00	80.00	14.28%
- Grade 2	1 tonne	72.73	7.27	80.00		81.82	8.18	90.00	90.00	12.50%
- Contaminated	1 tonne	181.82	18.18	200.00		227.27	22.73	250.00	250.00	25.00%
Sale of Materials (all ex stockpile, minimum 10 tonnes)										
Mixed clay/fill (purchaser to load)	1 tonne	0.50	0.05	0.55		0.50	0.05	0.55	0.55	0.00%
Mixed clay/fill (loaded)	1 tonne	1.50	0.15	1.65		2.00	0.20	2.20	2.20	33.33%
Ferricrete	1 tonne	11.00	1.10	12.10		10.00	1.00	11.00	11.00	-9.09%
Ferricrete (Member Councils)	1 tonne		NOT APPLICABLE			8.00	0.80	8.80	8.80	N/A
Manufactured Products (per cubic metre)										
Fine Mulch	1 m ³		NOT APPLICABLE			40.00	4.00	44.00	44.00	N/A
Mixed Mulch	1 m ³	13.91	1.39	15.30		18.18	1.82	20.00	20.00	30.70%
Coarse Mulch	1 m ³		NOT APPLICABLE			20.00	2.00	22.00	22.00	N/A
Soil Improver	1 m ³	16.36	1.64	18.00		22.73	2.27	25.00	25.00	38.94%
Coloured Chip	1 m ³		N/A			N/A	N/A	N/A	N/A	N/A
Wood Chip (unscreened secondary ground) - Hazelmere	1 m ³	5.50	0.55	6.05		5.50	0.55	6.05	6.05	0.00%
EcoChip Mulch - Hazelmere	1 m ³	10.91	1.09	12.00		10.91	1.09	12.00	12.00	0.00%
Wood Chip (fines) - Hazelmere	1 m ³	10.91	1.09	12.00		10.91	1.09	12.00	12.00	0.00%
Manufactured Products (per tonne)										
Fine Mulch	1 tonne	23.18	2.32	25.50		55.00	5.50	60.50	60.50	N/A
Mixed Mulch	1 tonne		NOT APPLICABLE			30.00	3.00	33.00	33.00	29.42%
Coarse Mulch	1 tonne		NOT APPLICABLE			30.00	3.00	33.00	33.00	N/A
Mulch (Member Council)	1 tonne	19.09	1.91	21.00		20.00	2.00	22.00	22.00	4.77%
Soil Improver	1 tonne	18.18	1.82	20.00		27.27	2.73	30.00	30.00	50.00%
Soil Improver (Member Councils)	1 tonne	15.00	1.50	16.50		18.18	1.82	20.00	20.00	21.20%
Wood Chip (unscreened secondary ground) - Hazelmere	1 tonne	27.27	2.73	30.00		27.27	2.73	30.00	30.00	0.00%
EcoChip Mulch - Hazelmere	1 tonne	54.55	5.45	60.00		54.55	5.45	60.00	60.00	0.00%
Wood Chip (fines) - Hazelmere	1 tonne	40.91	4.09	45.00		40.91	4.09	45.00	45.00	0.00%
Shredded, Unprocessed Greenwaste	1 tonne	5.00	0.50	5.50		5.00	0.50	5.50	5.50	N/A
Trailer Loaded Products (per scoop)										
Soil Improver	1 scoop	9.09	0.91	10.00		13.64	1.36	15.00	15.00	50.06%
Fine Mulch	1 scoop		NOT APPLICABLE			27.27	2.73	30.00	30.00	N/A
Mixed Mulch	1 scoop	9.09	0.91	10.00		13.64	1.36	15.00	15.00	50.06%
EcoChip Mulch (Hazelmere)	1 scoop	9.09	0.91	10.00		9.09	0.91	10.00	10.00	0.00%
Ferricrete	1 scoop	9.09	0.91	10.00		9.09	0.91	10.00	10.00	0.00%

(Material purchases in excess of 200 tonnes and 1,000 over financial year are subject to a reduction of 15% and 20% respectively.)

**EASTERN METROPOLITAN REGIONAL COUNCIL
2013/2014 WASTE MANAGEMENT PROPOSED SCHEDULE OF FEES AND CHARGES**

Description	Unit	2012/2013 Charges		2012/2013 Charges		2013/2014 Charges		2013/2014 Charges		% Inc Exc. GST
		with no GST	Value of GST	inc GST	Value of GST	with no GST	Value of GST	inc GST	Value of GST	
		\$	\$	\$	\$	\$	\$	\$	\$	
<u>Waste Management Charges continued ..</u>										
<u>Waste Services Environmental Consulting Fees</u>										
<u>Miscellaneous Plant Hire (per hour)</u>										
Hire of Water Tanker	1 hour	136.36	13.64	150.00	136.36	136.36	13.64	150.00	136.36	0.00%
Hire of Loader (Volvo L120 or equivalent)	1 hour	136.36	13.64	150.00	136.36	136.36	13.64	150.00	136.36	0.00%
Hire of Tip Truck (11 m3)	1 hour	100.00	10.00	110.00	100.00	100.00	10.00	110.00	100.00	0.00%
Wet Hire of 17m ³ Articulated Dump Truck	1 hour	130.00	13.00	143.00	130.00	130.00	13.00	143.00	130.00	0.00%
Dry Hire of Manitou MLT 625 Telehandler - Member Council Rate only	per day	200.00	20.00	220.00	200.00	200.00	20.00	220.00	200.00	0.00%
Labour Hire	1 hour	45.45	4.55	50.00	45.45	50.00	5.00	55.00	45.45	10.01%
<u>Member Councils Consulting Fees</u>										
Consultant Director	1 hour	102.00	10.20	112.20	102.00	107.00	10.70	117.70	102.00	4.90%
Consultant Manager	1 hour	91.00	9.10	100.10	91.00	96.00	9.60	105.60	91.00	5.49%
Senior Consultant	1 hour	78.00	7.80	85.80	78.00	82.00	8.20	90.20	78.00	5.13%
Consultant	1 hour	70.00	7.00	77.00	70.00	74.00	7.40	81.40	70.00	5.71%
Project Officer	1 hour	53.00	5.30	58.30	53.00	56.00	5.60	61.60	53.00	5.66%



9.2 MUNICIPAL GREEN WASTE / WOOD WASTE

REFERENCE: COMMITTEES-15528

PURPOSE OF REPORT

The purpose of this report is to provide Council with an update regarding municipal green waste in the Perth Metropolitan Area, and wood waste at Hazelmere, and propose actions to be taken.

KEY ISSUES AND RECOMMENDATION(S)

- During 2012/2013 significantly more municipal green waste has been received at Red Hill than in previous years.
- The quantity of processed green waste material sold is generally less than that received such that there are stockpiles of processed green waste that must be relocated before construction of the next landfill cells can begin.
- SITA have announced the closure of their Bio Wise facility, previously accepting in the order of 40,000 tonnes of municipal green waste generated within the Perth Metropolitan Area, and used to blend with bio-solids from the Water Corporation's waste water treatment plant in Kwinana.
- It is anticipated that composters, that previously paid for shredded green waste or accepted shredded green waste at no charge, will now demand a disposal fee that could be in the order of \$10.00/tonne.
- There currently exists an excess of wood chip at the Hazelmere Recycling Facility.

Recommendation(s)

That Council investigates the establishment of a pyrolysis plant to utilise shredded green waste as a fuel source to produce bio-char for use in parks and gardens, horticulture and broad acre farms.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

Municipal green waste, for almost every local government in the Perth Metropolitan Area, is a problematic waste since the quantity of green waste being disposed of exceeds demand and the cost of collection, cartage to a licensed processing site, processing and disposal is increasing each year.

In recent years local governments have disposed of green waste to compost operators who have, generally, paid a fee of \$5.00/tonne for the material or accepted the material at no charge with the costs of shredding being paid by local governments. At times of surplus composters have, opportunistically, charged a gate fee so as to 'provide a solution to the problem'.

In 2010/2011 the EMRC received a total of 8,778.90 tonnes of clean green waste that was shredded and processed to meet the requirements of AS4454 for mulch and, of that quantity; nearly half of the material (3,987.48) tonnes was sold off site.



Item 9.2 continued

In 2011/2012 a total of 8,368.50 tonnes of clean green waste was received and processed. Due to the Coordinator Sales and Marketing's effort to develop "value added" products i.e. fine mulch and coarse mulch as well as general mulch a total of 9,384.60 tonnes of material was shipped off site reducing the stockpile of material.

During 2011/2012 no clean green waste was received at Red Hill from the City of Swan as the City had arrangements in place for green waste, collected by the City, to be stockpiled and processed on land off Bishop Road, adjacent to the City of Swan's Works Depot.

REPORT

As of 31 March 2013 a total of 5,282.10 tonnes of clean green waste has been received and it is projected that, for the full year, the total amount of clean green waste that will be received will be in the order of 8,500 tonnes. It is anticipated some 3,500 tonnes of finished product will be sold and shipped off site.

As the City of Swan has advised that, the option of stockpiling and processing green waste on the land adjacent to their Works Depot is no longer available, and as soon as the Hazelmere site is licensed to receive and shred green waste, all of the City's clean green waste that is generated each year will be sent to the Hazelmere Facility for processing. It is anticipated that the amount of clean green waste that will be received by the EMRC in 2013/2014 will be in the order of 15,000 tonnes and most of that will be delivered to Hazelmere as it is a more convenient site for member Councils.

In order to avoid allocating space within the proposed Resource Recovery Park for the construction of green waste leachate storage ponds the DEC has been advised, in the Works Approval and licensing application that has been submitted, that it is proposed that all green waste shredding activities will be undertaken "undercover" and the material, once shredded, carted off site. The SITA BioWise operation had been identified by the EMRC's shredding contractor as the final disposal point for the material from Hazelmere.

Following advice from SITA that, following odour complaints and a requirement that their mulch/bio-solid blending operation be undertaken undercover, they will close down their Bio Wise operation, at Kwinana, as from the end of April the proposal to send shredded, unprocessed green waste from Hazelmere now needs to be re-assessed. Since Bio Wise has also been accepting green waste from the WMRC and the SMRC it is likely that other composting operations, that had been accepting shredded green waste, will no longer pay for or accept shredded green waste at no charge but will charge for the receipt of shredded green waste and thereby 'assist in solving local governments' problem of excess green waste material'.

Throughout the Perth Metropolitan Area there is more mulch and compost being produced than for which there is a market and alternative uses for the green waste needs to be found to avoid stockpiles of material building up. Whilst it would appear there should be an unlimited market for organic material because of the poor soils on the coastal plain and the lack of soil carbon within the Wheatbelt soils due to the high cost of transporting material to the Wheatbelt from Perth and the cost of incorporating the compost into the soil because of the marginal returns being received by many farmers and the lack of capital available to invest in increasing the productive capacity of the soil very little compost is being sold to farmers.

It is proposed that, to reduce the transport costs and the costs of incorporating the organic material into the soil, that the shredded green waste be utilised as a fuel source for a pyrolysis plant to produce bio-char. Bio-char is considered to be a permanent source of carbon and, since it requires 5.5 tonnes of woody material to produce 1 tonne of bio-char a substantial volume/mass reduction can be achieved. The Carbon Farming Initiative introduced by the Federal Government has identified bio-char production as being a process that, once the bio-char is incorporated into the soil will generate Carbon Credits that can be used to offset an entity's Carbon Price obligations. A pyrolysis plant costing in the order of \$525,000 - \$725,000 would consume in the order of 3,300 tonnes of green waste per annum and produce in the order of 600 tonnes of bio-char.



Item 9.2 continued

In that the Regional Funding Programme is still to be submitted EMRC officers will include, in the Round 1 application, a request for partial funding of the plant. Further, since Round 2 funding is to be 'merit based' funding for additional capacity to deal with the green waste surplus within the Perth Metropolitan Area is likely.

In addition to the surplus of green waste there is currently, and for the foreseeable future, a surplus of wood chips from the wood waste recycling operation. Initially wood chip was being produced for Laminex Industries, for use in its chipboard manufacturing operations, but the contractual arrangement ended whilst there was a significant downturn in the building industry and Laminex Industries has not been purchasing wood chips from Hazelmere for over 12 months. At the time a new arrangement was being discussed Laminex suggested stainless steel nails in the wood chip impacted the chip board manufacturing operation and until that issue was resolved they would not be taking additional product.

Efforts are being made to identify a methodology to remove the stainless steel nails and a solution appears to be to hand. However, until such time as there is an up-turn in the house building industry it is unlikely there will be significant demand for wood chip by Laminex.

There is strong demand for wood fines and all wood fines that can be produced are being sold. As the broiler growing industry is set to grow by 8% per annum the market for the fines is strong. However, a percentage of the wood waste ends up as wood chip and these stockpiles continue to grow.

An alternative use for the wood chip that is also being pursued is as a fuel for the brick-making industry and some wood chip material has been supplied to BGC to undertake trials. On-going investigations into the viability of supplying into this market are being undertaken.

STRATEGIC/POLICY IMPLICATIONS

Key Result Area 1 – Environmental Sustainability

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

FINANCIAL IMPLICATIONS

Funding for the pyrolysis plants could be available from the Secondary Waste Reserve.

SUSTAINABILITY IMPLICATIONS

Identifying uses for green waste will ensure the operation is sustainable



Item 9.2 continued

MEMBER COUNCIL IMPLICATIONS

Member Council	Implication Details
Town of Bassendean	} Nil direct implication
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 Council investigates the establishment of a pyrolysis plant to utilise shredded green waste as a fuel source to produce bio-char for use in parks and gardens, horticulture and broad acre farms.

TAC RECOMMENDATION(S)

MOVED MR PURDY

SECONDED MR LUTEY

That Council investigates the establishment of a pyrolysis plant to utilise shredded green waste as a fuel source to produce bio-char for use in parks and gardens, horticulture and broad acre farms.

CARRIED UNANIMOUSLY



9.3 ITEMS CONTAINED IN THE INFORMATION BULLETIN

REFERENCE: COMMITTEES-15507

The following items are included in the Information Bulletin, which accompanies the Agenda.

1. WASTE MANAGEMENT SERVICES

- 1.1 COUNCIL TONNAGES COMPARISONS AS AT 31 MARCH 2013 (Ref: Committees-15508)
- 1.2 LANDFILL LEVY (Ref: Committees-15541)

RECOMMENDATION

That Council notes the items contained in the Information Bulletin.

TAC RESOLUTION(S)

MOVED MR LUTEY

SECONDED MR ASSAAD

THAT COUNCIL NOTES THE ITEMS CONTAINED IN THE INFORMATION BULLETIN.

CARRIED UNANIMOUSLY



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

Nil

11 GENERAL BUSINESS

The Manager Project Development advised the Committee that Anne Prince Consulting is undertaking a number of waste audits on behalf of the EMRC. Currently the City of Stirling's baled waste is being audited after which the audit team will move onto each of the member Council's rubbish bins. An audit of the City of Belmont waste will commence Friday 10 May 2013, followed by Town of Bassendean on Monday 13 May 2013, the Shire of Mundaring on Tuesday 14 May 2013, the City of Swan on Wednesday 15 May 2013 and the City of Bayswater on Thursday 16 May 2013.

The Manager Project Development also updated the Committee that advice had been received that ANSAC, whom the EMRC has been working with, has been awarded a \$5 million grant from the Clean Energy Future Fund for the Hazelmere pyrolysis plant. The EMRC is currently waiting on the formal announcement and a report will be prepared for next month's Resource Recovery Committee meeting.

The Manager Project Development advised the member Council representatives that the EMRC has been approached to hold a 2 day course on AS4000 regarding construction contracts. An email with all the details will be sent seeking expressions of interest.

The Chairman advised he had requested that the EMRC bring forward the planning and feasibility studies for a Material Recycling Facility (MRF). The City of Swan is currently a participant with the City of Wanneroo and the City of Joondalup in the MRF at Wangara and the current arrangement expires in 2014. The CEO advised that there will be a Council briefing session next week and the TAC members are welcome to attend and any input would be encouraged.

The Director Waste Services provided an update on the EMRC's Environmental Services and on behalf of the Manager Waste, Environmental Operations reported that currently \$235,000.00 worth of contaminated sites work is being undertaken for the member Councils.

Mr Stewert-Dawkins entered the meeting at 4.12pm.

12 FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE

The next meeting of the Technical Advisory Committee, if required, will be held on **Thursday 6 June 2013** at the EMRC Administration Office, 1st Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 4:00pm.

Future Meetings 2013

Thursday	6	June (if required)	at	EMRC Administration Office
Thursday	4	July (if required)	at	EMRC Administration Office
Thursday	8	August (if required)	at	EMRC Administration Office
Thursday	5	September (if required)	at	EMRC Administration Office
Thursday	10	October (if required)	at	EMRC Administration Office
Thursday	21	November	at	Red Hill Waste Management Facility

13 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 4:14pm.