

TECHNICAL ADVISORY COMMITTEE

MINUTES

5 June 2008

(REF: COMMITTEES-8061)

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, 5 June 2008**. The meeting commenced at **3.30pm**.

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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

The Executive Manager, Regional Services entered the room at 3.39pm.



9 REPORTS OF OFFICERS

9.1 AUTHORISATION TO TENDER BEFORE ADOPTION OF FINAL BUDGET

REFERENCE: COMMITTEES-8058

PURPOSE OF REPORT

To seek Council approval to go to tender for the purchase of capital items before adoption of the final budget.

KEY ISSUES AND RECOMMENDATION(S)

- In accordance with section 6.8 of the Local Government Act 1995, the EMRC is not to incur expenditure from its municipal fund for an additional purpose unless authorised in advance by resolution. The adoption of the 2008/09 budget is scheduled to occur in August 2008.
- The Preliminary Draft 2008/2009 and 2009/2010 budgets contain a number of items of capital plant that are both important to site operations and have a long lead time between order and delivery.
- Deferring the purchase of these items of plant would either restrict the ability of the waste operations to respond to contingencies, or incur increased costs from the hire of plant.

Recommendation(s)

That Council by an absolute majority in accordance with section 6.8 of the Local Government Act 1995 authorises:

- i) the procurement by tender of a Caterpillar 973 Track Loader, Trommel, 14 tonne Excavator, Volvo L120G IT Loader and Alternative Daily Cover Applicator for delivery in 2008/2009.
- ii) the procurement by tender of a Caterpillar 836H Landfill Compactor for delivery in 2009/2010.

SOURCE OF REPORT

Executive Manager, Waste Management Services

BACKGROUND

Nil

REPORT

Section 6.8 of the Local Government Act 1995 states that a local government is not to incur expenditure except where that expenditure is either included in the annual budget or authorised in advance by an absolute majority of Council.

The budget for 2008/2009 is scheduled to be presented to Council for adoption at its August 2008 meeting, after which time tenders for new works will be advertised. Allowing for the time to be provided for response to tenders, tender assessment and Council meeting cycles, it is typical for tenders not be awarded for three months after advertising. Taking into account the lead time from order placement until delivery, commencing the tender process at the end of August will generally result in goods being supplied in the latter half of the financial year. In the case of a landfill compactor, the eighteen month to two year lead time will mean that goods are not supplied for several financial years after ordering.



Item 9.1 continued

Delays in supply of plant ordered restrict the ability of waste operations to respond to contingencies such as plant break-down, or expose the EMRC to higher plant hire costs to cover for the broken down plant. In the case of the landfill compactor, there is no equivalent compactor available for hire, and so a smaller compactor on site is used. The smaller compactor is unable to deal with the current site volumes. As the landfill compactor is the primary piece of equipment at the Red Hill Waste Management Facility, the EMRC operations are highly vulnerable to the compactor breaking down.

A new trommel is required to replace the former trommel which was destroyed by fire on Saturday 3 May 2008. The fire appears to have spontaneously ignited in compost dust around the trommel. Rather than replace the existing trommel, it is proposed to purchase a larger trommel to handle greater volumes. This would avoid the current requirement for a trommel to be hired from time to time to deal with accumulated compost, and may also be utilised at the Hazelmere Timber Recycling Centre.

To overcome problems with the delays in ordering, Council approval is sought to advertise the following pieces of plant for tender ahead of the adoption of the 2008/2009 budget. All pieces of plant are provided for in the 2008/2009 or 2009/2010 budgets, with the budgeted sum and financial year indicated below.

Item	Purpose	Budget	Year
Caterpillar 973 Track Loader	Red Hill - landfill face operations	\$700,000	2008/2009
Trommel	Red Hill - Screening of compost Hazelmere - Screening of woodchip	\$150,000*	2008/2009
14 tonne Excavator	Hazelmere – Preliminary sorting of wood waste	\$190,000	2008/2009
Volvo L120 IT loader	Hazelmere – Handle wood waste	\$320,000	2008/2009
Alternative Daily Cover Applicator	Red Hill - landfill cover application	\$150,000	2008/2009
Caterpillar 836H Landfill Compactor	Red Hill - landfill compaction -	\$1,300,000	2009/2010

* The total cost is \$310,000, however the recently destroyed trommel was insured for \$160,000.

In all cases except for the Landfill Compactor and the Alternative Daily Cover Applicator, alternative plant is available to hire. The hire comes at a greater cost than if the EMRC were to purchase the plant, with an estimated saving of \$50 per hour each for the track loader, trommel and IT loader, and \$20 per hour for the excavator. As each piece of plant is used close to eight hours per day for at least five days per week, the potential from saving two months from the time for procurement is in the order of \$55,000.

In the case of the daily cover applicator, the saving is realised through airspace conserved. The alternative daily cover is a spray on substance, and consumes essentially no volume when contrasted with the volume consumed by soil. Up to 10,000 tonnes of soil is used each month for cover material, consuming about 5,000 cubic metres of landfill airspace. Saving two months from the time of procurement would be in the order of 10,000 cubic metres of landfill airspace. Valued at \$26/cubic metre, this airspace is worth \$260,000.

The landfill compactor is a critical component of the Red Hill landfill operations, governing the entire landfill operations. The tonnages received on site have grown to the point where the smaller compactor (a Caterpillar 826) is unable to keep up with the waste when the primary Caterpillar 836 compactor is being serviced. Since no backup 836 compactor is available within Western Australia for hire, the EMRC is in a vulnerable position and needs to be certain that there will be no delays in the procurement of a replacement and/or backup compactor. For this reason, a backup 836 compactor is proposed, with the 826 to be sold.

The landfill compactor has not been budgeted for purchase until 2009/2010 because the lead time is so long that it cannot be ordered and delivered inside a year. Without a Council resolution approving the commencement of the tender process, the tender process would normally only be commenced in August 2009. Alternatively, the compactor could be budgeted for 2008/2009 knowing that it will be unspent and carried forward into 2009/2010. It is suggested that the more transparent approach is to budget for 2009/2010 and seek Council approval to commence the procurement process now.



Item 9.1 continued

In the case of all plant except for the landfill compactor, the agenda item relating to the outcome of the tender process should be presented to Council at either the same meeting as the Budget is adopted or a meeting shortly thereafter.

STRATEGIC/POLICY IMPLICATIONS

The procurement of these pieces of plant will improve the financial viability of the EMRC.

FINANCIAL IMPLICATIONS

The total saving from bringing forward the procurement of the plant by two months is estimated to be \$55,000 in plant hire expenses and \$260,000 in landfill airspace.

SUSTAINABILITY IMPLICATIONS

Operating the waste management facilities with appropriate plant enables improved environmental and economic outcomes.

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

Absolute Majority

RECOMMENDATION(S)

That Council by an absolute majority in accordance with section 6.8 of the Local Government Act 1995 authorises:

- i) the procurement by tender of a Caterpillar 973 Track Loader, Trommel, 14 tonne Excavator, Volvo L120G IT Loader and Alternative Daily Cover Applicator for delivery in 2008/2009.
- ii) the procurement by tender of a Caterpillar 836H Landfill Compactor for delivery in 2009/2010.



Item 9.1 continued

Discussion ensued

The Executive Manager, Waste Management Services suggested the amendment of the recommendation for the Caterpillar 973 Track Loader to include the wording 'or similar' so it can include different makes of the same machine. Mr Lutey suggested the landfill compactor should be dealt with in a similar way.

The Chairman asked if it was preferred to add a description of each piece of plant or to add the wording 'or similar'. Mr Coten said he would prefer to have plant description as this avoids perceptions of bias.

Mr Lutey said that further clarity is required in relation to the sale and/or trade-in of existing plant. Since the Leibherr track loaders are to be sold rather than traded-in, this needs to be stated in the report, and the trade-in of the existing 826 Compactor needs to be included in the report recommendation.

The Executive Manager, Waste Management Services confirmed point two of the recommendation should read "the procurement by tender of a 50T Landfill Compactor for delivery in 2009/2010 with trade-in of the current 826 Compactor". The group confirmed that it is happy to have the plant descriptions inserted after the meeting.

AMENDMENT

Moved Mr Lutey, seconded Mr Stewart-Dawkins, that:

- in recommendation i) the words 'Caterpillar 973' be removed and replaced with '25 tonne' and that the words 'Volvo L120G' be removed and replaced with '20 tonne'; and
- in recommendation ii) the words 'Caterpillar 836H' be removed and replaced with the words '50 tonne' and that the words 'with a trade-in of the Caterpillar 826C Landfill Compactor' be added.

The substantive motion included the amendment.

TAC RECOMMENDATION(S)

MOVED MR LUTEY

SECONDED MR STEWART-DAWKINS

That Council by an absolute majority in accordance with section 6.8 of the Local Government Act 1995 authorises:

- i) the procurement by tender of a 25 tonne Track Loader, Trommel, 14 tonne Excavator, 20 tonne IT Loader and Alternative Daily Cover Applicator for delivery in 2008/2009.
- ii) the procurement by tender of a 50 tonne Landfill Compactor for delivery in 2009/2010 with a trade-in of the current Caterpillar 826C Landfill Compactor.

CARRIED UNANIMOUSLY

COUNCIL RESOLUTION(S)

MOVED CR POWELL

SECONDED CR LAVELL

THAT COUNCIL BY AN ABSOLUTE MAJORITY IN ACCORDANCE WITH SECTION 6.8 OF THE LOCAL GOVERNMENT ACT 1995 AUTHORISES:

- I) THE PROCUREMENT BY TENDER OF A 25 TONNE TRACK LOADER, TROMMEL, 14 TONNE EXCAVATOR, 20 TONNE IT LOADER AND ALTERNATIVE DAILY COVER APPLICATOR FOR DELIVERY IN 2008/2009.
- II) THE PROCUREMENT BY TENDER OF A 50 TONNE LANDFILL COMPACTOR FOR DELIVERY IN 2009/2010 WITH A TRADE IN OF THE CURRENT CATERPILLAR 826C LANDFILL COMPACTOR.

CARRIED UNANIMOUSLY



9.2 TENDER 2008/4 SUPPLY, INSTALL & MAINTAIN COMPRESSED AIR POWERED LEACHATE PUMPS

REFERENCE: COMMITTEES-8060

PURPOSE OF REPORT

To advise Council of the results of the Supply, Install and Maintain Compressed Air Powered Leachate Pumps tender and recommend a Contractor.

KEY ISSUES AND RECOMMENDATION(S)

- A tender for the supply, installation and maintenance of compressed air powered leachate pumps was advertised in the West Australian newspaper on 26 April 2008.
- Tenders closed on 13 May 2008. One submission was received.
- The tender called for the supply, installation and maintenance of pumps on an as required basis over a three year period, with the option of two one year extensions.

Recommendation(s)

That Council award tender number 2008/4 to Airwell Pumps Pty Ltd in accordance with the schedule of rates contained in Attachment 1 and indexed on each anniversary of the contract based on the All Groups Consumer Price Index for Perth.

SOURCE OF REPORT

Executive Manager, Waste Management Services

BACKGROUND

The Red Hill Waste Management Facility trialled the operation of air powered leachate pumps in its newest Class III and Class IV landfill stages. These pumps have been demonstrated to work reliably. The pumps are also safe for operators, as they do not required electricity to be brought to the pump. A further pump has enabled a leak detection sump to be dewatered.

At its meeting on 22 May 2008, Council considered an Information Bulletin in relation to groundwater contamination on site. One of the solutions to be implemented is the pumping of leachate from within the landfill. This will be achieved by installing air powered leachate pumps where required.

REPORT

Compressed air powered leachate pumps have proven to be a central part of the EMRC's leachate management system. In particular, they will enable the ongoing management of leachate build-up when leachate drainage systems cease functioning, and can be used to pump out contaminated groundwater where necessary.

To enable the procurement of pumps as required, tender 2008/4 for the supply, installation and maintenance of compressed air powered leachate pumps was advertised in the West Australian newspaper on 26 April 2008. The tender runs for three years, with the option of two one year extensions.



Item 9.2 continued

Tenders closed on 13 May 2008, and one submission was received. The submission was from Airwell Pumps Pty Ltd, but did not include unit rates. The appropriate units and unit rates have been confirmed with Airwell Pumps, and these confirmed unit rates are contained in the price schedule in Attachment 1.

The actual contract value will depend upon how many air pumps are utilised. The following is an estimate of the usage over the maximum five year life of the contract:

Item Description	Number	Unit price (ex GST)	Total cost (ex GST)	GST	Price (inc GST)
Submersible pump	8 units	\$14,162.00	\$113,296.00	\$11,329.60	\$124,625.60
Sump pump	2 units	\$10,680.00	\$21,360.00	\$2,136.00	\$23,496.00
Air compressor	1 unit	\$11,283.00	\$11,283.00	\$1,128.30	\$12,411.30
Air reticulation network	1000 metres	\$290.00	\$2,900.00	\$290.00	\$3,190.00
Leachate discharge pipe and fittings	500 metres	\$790.00	\$3,950.00	\$395.00	\$4,345.00
Programmed maintenance	20 quarters	\$1,614.50	\$32,290.00	\$3,229.00	\$35,519.00
Repair	50 hours	\$150.00	\$7,500.00	\$750.00	\$8,250.00
TOTAL			\$192,579.00	\$19,257.90	\$211,836.90

Airwell Pumps has been demonstrated to supply superior pumping equipment, and the current leachate pumping infrastructure was installed by the company. Airwell Pumps' manufacturing is based in Malaga, and the service provided to the EMRC for the current system has been excellent. Airwell Pumps has the demonstrated capability to service the contract at the high standard expected by the EMRC.

STRATEGIC/POLICY IMPLICATIONS

The key outcome objective "Minimise the Environmental Impact of Waste Disposal" requires best practice leachate management. This can be achieved by the Airwell Pumps systems.

FINANCIAL IMPLICATIONS

Pumps and associated equipment will be purchased as required. The overall value of the contract is expected to be in the order of \$200,000.00 over the maximum five year term of the contract.

SUSTAINABILITY IMPLICATIONS

Best practice leachate management systems enables sustainable waste management, thus minimising social, environmental and financial costs.

Unit rates for air powered leachate pumps and ancillary equipment

Specification clause	Item Description	Units	Price (ex GST)	GST	Price (inc GST)
2.9.1	Submersible pump	Each	\$14,162.00	\$1,416.20	\$15,578.20
2.9.2	Sump pump	Each	\$10,680.00	\$1,068.00	\$11,748.00
2.9.3	Air compressor	Each	\$11,283.00	\$1,128.30	\$12,411.30
2.9.4	Air reticulation network	100 metres	\$290.00	\$29.00	\$319.00
2.9.5	Leachate discharge pipe and fittings	100 metres	\$790.00	\$79.00	\$869.00
2.10	Programmed maintenance	Quarter	\$1,614.50	\$161.45	\$1,775.95
2.10	Repair	Hour	\$150.00	\$15.00	\$165.00



9.3 ITEMS CONTAINED IN THE INFORMATION BULLETIN

REFERENCE: COMMITTEES-8062

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

1 REGIONAL SERVICES

*1.1 ENVIRONMENTAL SERVICES REPORT – FEBRUARY 2008 TO THE END OF APRIL 2008
(Ref: Committees-8056)*

2 WASTE MANAGEMENT SERVICES

*2.1 COUNCIL TONNAGE COMPARISONS AS AT 30 APRIL 2008 (Ref: Committees-8068)
2.2 RECYCLING STATISTICS FOR THE 2007/2008 FINANCIAL YEAR (Ref: Committees-8064)*

RECOMMENDATION

That the Information Bulletin be noted.

Discussion ensued

The Executive Manager, Waste Management Services advised of the difficulties in gathering the data for the information bulletin, and requested that if information could be sent through as promptly as possible in future it would be greatly appreciated.

TAC RESOLUTION(S)

MOVED MR PURDY SECONDED MR COTEN

THAT THE INFORMATION BULLETIN BE NOTED.

CARRIED

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

Nil

11 GENERAL BUSINESS

Mr Purdy requested an update on the Strategic Waste Management Plans. The Executive Manager, Waste Management Services advised that meetings with Member Councils have been completed and were very successful. The plans are fifty percent complete with the last half being the plan recommendations. The Executive Manager, Waste Management Services said, after having discussions with the Department of Environment and Conservation, the EMRC is seeking a further extension until February next year to enable the Resource Recovery Project to be incorporated. TAC members will be contacted soon to arrange a workshop to discuss the draft plan.

The Executive Manager, Waste Management Services advised that the Hazelmere Timber Recycling Centre has been nominated as a finalist for the Banksia awards.



Item 11 continued

Mr Lutey requested an update on the Solar Cities project. The Executive Manager, Regional Services advised that an item went to the Chief Executive Officers' Advisory Committee this month about the next step in the process. The EMRC is waiting on an announcement of the outcome but expecting the project to go ahead. Support is being sought for the recruitment of an officer to handle contract negotiations and the project management.

Mr Purdy asked what the expected contribution from each Member Council was. The Executive Manager, Regional Services replied each Member Council had previously agreed to contribute \$15,000.00. Member Councils were requested to carry forward the amount to next year's budget if required. Mr Lutey asked if a steering group had been considered. The Executive Manager, Regional Services advised that an advisory committee will be formed.

12 FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE

The next meeting of the Technical Advisory Committee will be held on **Thursday 7 August 2008** at the EMRC Administration Office, 1st Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 3.30 pm.

Future Meetings 2008

Thursday	7 August	at	EMRC Administration Office
Thursday	9 October	at	EMRC Administration Office
Thursday	20 November (at 1:00pm)	at	Red Hill Waste Management Facility

The Executive Manager, Waste Management Services advised that the meeting on the 20 November 2008 will be held at the Red Hill Waste Management Facility and will commence at 1pm.

13 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 3.57pm.