



MINUTES

CERTIFICATION OF CONFIRMATION OF TECHNICAL ADVISORY COMMITTEE MINUTES

4 August 2016

I, Mr Ric Lutey, hereby certify that the minutes from the Technical Advisory Committee Meeting held on 4 August 2016 pages 1 to 7 were confirmed at a Committee meeting held on 8 September 2016.



Signature

Mr Ric Lutey
Person presiding at Meeting

TECHNICAL ADVISORY COMMITTEE

MINUTES

4 August 2016

(REF: D2016/09804)

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, 4 August 2016**. The meeting commenced at **4:01pm**.

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1 DECLARATION OF OPENING AND ANNOUNCEMENT OF VISITORS

The Chairman opened the meeting at 4:02pm.

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

Committee Members

Mr Doug Pearson (Chairman)	Director Technical Services	City of Bayswater
Mr Ric Lutey (Deputy Chairman)	Director Technical Services	City of Belmont
Mr Ken Cardy (Deputising for Mr Stewart-Dawkins)	Manager Asset Services	Town of Bassendean
Mr Dennis Blair	Director Infrastructure Services	Shire of Kalamunda
Mr Shane Purdy (<i>from 4:02pm</i>)	Director Infrastructure Services	Shire of Mundaring
Mr Jim Coten	Executive Manager Operations	City of Swan
Mr Peter Schneider	Chief Executive Officer	EMRC

Apologies

Mr Simon Stewart-Dawkins	Director Operational Services	Town of Bassendean
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EMRC Officers

Mr Stephen Fitzpatrick	Director Waste Services
Ms Lia Barnett	Manager Engineering and Waste Operations
Ms Terri-Ann Ashton	Manager Administration and Compliance
Mr Reza Safai	Project Engineer Resource Recovery
Ms Giulia Bono	Administration Officer (Minutes)

3 DISCLOSURE OF INTERESTS

Nil

4 ANNOUNCEMENTS BY THE CHAIRMAN OR PRESIDING MEMBER WITHOUT DISCUSSION

Nil

5 PETITIONS, DEPUTATIONS AND PRESENTATIONS

Nil



6 CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

6.1 MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 4 FEBRUARY 2016

That the Minutes of the Technical Advisory Committee meeting held on 4 February 2016, which have been distributed, be confirmed.

TAC RESOLUTION(S)

MOVED MR COTEN

SECONDED MR LUTEY

THAT THE MINUTES OF THE TECHNICAL ADVISORY COMMITTEE MEETING HELD ON 4 FEBRUARY 2016 WHICH HAVE BEEN DISTRIBUTED, BE CONFIRMED.

CARRIED UNANIMOUSLY

7 QUESTIONS BY MEMBERS OF WHICH DUE NOTICE HAS BEEN GIVEN

Nil

8 QUESTIONS BY MEMBERS WITHOUT NOTICE

Nil

Mr Purdy entered the meeting at 4:02pm.

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

Nil

10 BUSINESS NOT DEALT WITH FROM A PREVIOUS MEETING

Nil



11 REPORTS OF EMPLOYEES

11.1 TENDER 2016-003 HIGH VOLTAGE (22 KV) NETWORK INTERCONNECT CABLE

REFERENCE: D2016/09820

PURPOSE OF REPORT

The purpose of this report is to award Tender 2016-003 for the installation of a High Voltage (22 kV) Network Interconnect Cable between the Hazelmere Wood Waste to Energy Plant and Perth Airport Pty Ltd and recommend a preferred tenderer.

KEY ISSUES AND RECOMMENDATION(S)

- Agreement has been reached with Perth Airport Pty Ltd (PAPL) to supply them with electricity generated from the Hazelmere Wood Waste to Energy Plant when this commences operation in 2017.
- An interconnecting high voltage underground power cable between the Hazelmere Wood Waste to Energy Plant and PAPL will be used for the export of electricity.
- An investigation of the cable route options was undertaken and consultants developed a detailed specification for the high voltage cable and fibre optic cable for communications.
- A tender for the installation of a High Voltage (22 kV) Network Interconnect Cable between the Hazelmere Wood Waste to Energy Plant and PAPL was advertised on 25 May 2016 and closed on 22 June 2016.

Recommendation(s)

That Council:

1. Award tender number 2016-003 High Voltage (22 kV) Network Interconnect Cable to Densford Civil Pty Ltd for \$752,564.00 (ex. GST).
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Densford Civil Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed on between the CEO and Densford Civil Pty Ltd.
3. Authorise a 15% contingency on the contract sum for any contingencies that may arise during the execution of the project.

SOURCE OF REPORT

Director Waste Services

BACKGROUND

The EMRC commenced discussions with Western Power in 2013 regarding a grid connection for the export of power from the Hazelmere Wood Waste to Energy Plant. Other options were explored including export of power to neighbouring industries and to PAPL. The grid connection using Western Power was ruled out after consideration of the cost and time for a connection as were connections to neighbouring industries because of a mismatch between power demand and available power. The best value option for the EMRC was to sell power to PAPL and an agreement with PAPL was signed in June 2016 and will commence in early 2017 when the plant is commissioned.



Item 11.1 continued

REPORT

A tender for the installation of a High Voltage (22 kV) Network Interconnect Cable between the Hazelmere Wood Waste to Energy Plant and PAPL was advertised on 25 May 2016. The specification for the tender was developed by consulting engineers and included the identification of a preferred route for the cable which includes an underground high voltage cable for power transmission and a fibre optic cable for communication between the plant and PAPL.

Tenders closed on 22 June 2016 with eight (8) submissions received. Of these, two (2) submissions were non-compliant. The submissions were as follows:

Compliant:

1. Tracc Civil Pty Ltd;
2. Power On Cabling Pty Ltd;
3. Densford Civil Pty Ltd;
4. Underground Services Australia Pty Ltd;
5. BMD Constructions; and
6. Hender Lee Electrical Instrumentation Contractors Pty Ltd.

Non-Compliant:

1. Australia Pacific Cables Pty Ltd; and
2. Flexigroup Services Australia Pty Ltd T/As Perth Powerlines.

An evaluation panel of EMRC officers and consultants assessed the six (6) compliant submissions on the following criteria:

Assessment Criteria	Weighting
Demonstrated experience in completing similar projects/supplying similar goods.	25%
Demonstrated understanding of required tasks for works to be completed with Project Management Plan along with skills & experience of key personnel.	25%
Safety Management Plan and Road Traffic Management Plan	10%
Environmental Management Plan	5%

Price was evaluated using a weighted cost criteria as follows:

Criteria	Weighting
Tendered price inclusive of all plant, equipment, labour and materials etc. required to complete the works	35%

After combining the weighted scores for both the qualitative criteria and price:

- Densford Civil Pty Ltd represented the highest rated overall assessment.

Based on the panel's evaluation, the submission from Densford Civil Pty Ltd demonstrated the most advantageous submission and is considered to offer the best value for money. The construction period is estimated to be four (4) months from contract award.



Item 11.1 continued

A contingency allowance of 15% on the contract sum is included in the recommendation based on the possibility that the preferred contractor may encounter unforeseen costs such as underground rock or contamination along the identified route which may involve significant excavation and backfill or possible rerouting of the cable.

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

FINANCIAL IMPLICATIONS

The cost of this proposed infrastructure has been included in the approved 2016/2017 budget (24399/11 Wood Waste to Energy Utilities/Infrastructure – Resource Recovery Park - \$1,200,000 for the interconnect cable).

SUSTAINABILITY IMPLICATIONS

The Hazelmere Wood Waste to Energy Plant will provide renewable energy (which offsets fossil fuel powered generation) for export and biochar from wood chip that would otherwise be sent 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



Item 11.1 continued

RECOMMENDATION(S)

That Council:

1. Award tender number 2016-003 High Voltage (22 kV) Network Interconnect Cable to Densford Civil Pty Ltd for \$752,564.00 (ex. GST).
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Densford Civil Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed on between the CEO and Densford Civil Pty Ltd.
3. Authorise a 15% contingency on the contract sum for any contingencies that may arise during the execution of the project.

TAC RECOMMENDATION(S)

MOVED MR CARDY

SECONDED MR BLAIR

That Council:

1. Award tender number 2016-003 High Voltage (22 kV) Network Interconnect Cable to Densford Civil Pty Ltd for \$752,564.00 (ex. GST).
2. Authorise the CEO to enter into a contract, on behalf of the EMRC, with Densford Civil Pty Ltd in accordance with their submitted tender, subject to any minor variations that may be agreed on between the CEO and Densford Civil Pty Ltd.
3. Authorise a 15% contingency on the contract sum for any contingencies that may arise during the execution of the project.

CARRIED UNANIMOUSLY



11.2 ITEMS CONTAINED IN THE INFORMATION BULLETIN

REFERENCE: Ref: D2016/09818

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

1. WASTE SERVICES

1.1 COUNCIL TONNAGE COMPARISONS AS AT 30 JUNE 2016 (Ref: D2016/09819)

RECOMMENDATION

That the Technical Advisory Committee notes the items contained in the Information Bulletin.

TAC RESOLUTION(S)

MOVED MR PURDY

SECONDED MR COTEN

THAT THE TECHNICAL ADVISORY COMMITTEE NOTES THE ITEMS CONTAINED IN THE INFORMATION BULLETIN.

CARRIED UNANIMOUSLY

12 REPORTS OF DELEGATES

Nil

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

Nil

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

Nil

15 FUTURE MEETINGS OF THE TECHNICAL ADVISORY COMMITTEE

The next meeting of the Technical Advisory Committee will be held on **Thursday 8 September 2016** (*if required*) at the EMRC Administration Office, 1st Floor, Ascot Place, 226 Great Eastern Highway, Belmont WA 6104 commencing at 4:00pm.

Future Meetings 2016

Thursday	8	September (if required)	at	EMRC Administration Office
Thursday	6	October (if required)	at	EMRC Administration Office
Thursday	17	November (if required)	at	Red Hill Waste Management Facility

16 DECLARATION OF CLOSURE OF MEETING

There being no further business, the Chairman declared the meeting closed at 4:12pm.