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OVERVIEW

This report is for Waste Services activities this reporting period of 1 June – 30 June 2017. Significant items in this period include:

- There were no LTIs recorded in June 2017.
- Tonnes of green waste processed for the year has exceeded projected tonnes due to the impacts of Tropical Cyclone (T.C.) Debbie.
- The numbers for new bin requests are returning to pre T.C. Debbie levels.
- Waste Services’ recovery efforts following T.C. Debbie have been finalised and the focus is now on reconciliation of information for supporting Council requests for financial assistance.
- Work continues on the restoration of Hogan’s Pocket Landfill Cell 3 and Sarina Transfer Station.
- Waste Services is managing the transition between contracts for the Landfill Operations and Haulage and Paget Transfer Station Operations.
- The investigation into the option to move the Sarina Transfer Station to higher ground has been reviewed and deemed to not be a viable option due to the additional cost and requirements on the existing landfill.

Director Engineering & Commercial Infrastructure
1.1 Safety Incidents and Lost Time Injuries
The incident statistic details a summary of the Waste Services safety incident performance. Waste Services aspires to achieve zero harm with a stretch target of zero injuries.

The following incidents were recorded in June 2017:
- 2 x Near Misses being exposure to heat and contact with heat
- Both Near Misses were contractors

1.2 Lost Time Injuries
Waste Services aspires to achieve zero Lost Time Injuries by improving safety performance and developing a proactive safety culture while implementing the best practice of safety management across the whole of Waste Services

The table below shows the Lost Time Injuries over previous years
2.1 Community Service Obligations – Fee Waivers

Not for Profit Organisations – Total Waste Disposals

Year to date expenditure for not for profit organisations is reported on a calendar month
## 2.2 Waste Financial Report

### Waste Fund Financial Report
For June 2017

<table>
<thead>
<tr>
<th>Operating Result</th>
<th>AMD Budget</th>
<th>YTD Budget</th>
<th>YTD Actual</th>
<th>YTD Variance</th>
<th>% Variance from YTD Budget</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.01 - Commercial Infrastructure Management</td>
<td>117,502</td>
<td>115,301</td>
<td>95,973</td>
<td>(19,328)</td>
<td>83%</td>
<td>$17k wages</td>
</tr>
<tr>
<td>6.05 - Waste Services</td>
<td>(9,752,301)</td>
<td>(11,116,050)</td>
<td>(11,144,350)</td>
<td>(28,300)</td>
<td>100%</td>
<td>$135k gate fees, $33k interest received, $29k recyclables increase in revenue offset by $112k TC</td>
</tr>
<tr>
<td>6.06 - Business Services</td>
<td>4,367,138</td>
<td>3,294,352</td>
<td>3,227,832</td>
<td>(66,520)</td>
<td>98%</td>
<td>Saving against expenses. 1.67M depreciation not accounted for in budget or actual figures. Potential variance of $537k due to projected depreciation being $603k more than budget.</td>
</tr>
<tr>
<td>6.07 - Water Treatment</td>
<td>105,665</td>
<td>100,442</td>
<td>84,446</td>
<td>(15,996)</td>
<td>84%</td>
<td>Net increase in lab operations</td>
</tr>
<tr>
<td>Total Waste Services</td>
<td>(5,161,996)</td>
<td>(7,605,955)</td>
<td>(7,736,099)</td>
<td>(130,144)</td>
<td>102%</td>
<td></td>
</tr>
<tr>
<td>TOTAL OPERATIONAL</td>
<td>(5,161,996)</td>
<td>(7,605,955)</td>
<td>(7,736,099)</td>
<td>(130,144)</td>
<td>102%</td>
<td></td>
</tr>
<tr>
<td>2 - Waste</td>
<td>1,744,714</td>
<td>1,744,714</td>
<td>1,546,538</td>
<td>(198,176)</td>
<td>89%</td>
<td></td>
</tr>
<tr>
<td>TOTAL CAPITAL</td>
<td>1,744,714</td>
<td>1,744,714</td>
<td>1,546,538</td>
<td>(198,176)</td>
<td>89%</td>
<td></td>
</tr>
</tbody>
</table>

% Variance from YTD Budget
- Actuals more than 10% over YTD Budget
- Actuals between 5% and 10% over YTD Budget
- Actuals between 5% and 10% under YTD Budget
- Actuals between 10% and 50% under YTD Budget
- Actuals more than 50% under YTD Budget

### Operating Result

![Operating Result Chart](chart.png)

- YTD Budget
- YTD Actual

---

Page 6
The Waste Services operational budget is in line with expected amended budget noting that depreciation costs have yet to be accounted for. There is some final accrual still to occur before the final end of year position is known.

The capital expenditure for the year was in line with the amended budget. The previously identified carry over figure of $449K has not been amended. The major project for delivery in 2017/2018, being the lined leachate pond, has already been awarded which will ensure a good end of year result for the new financial year as well.

2.3 Accrued Waste Operating Revenue less Expenditure

The following chart shows the estimation of the accrued revenue less expenditure. The capital revenue has been excluded.

Operating Surplus is forecasted to be $97K more than budget (this is not taking depreciation into account).

Net operating revenue is up $182K. Interest is down by $98K, however, Internal waste disposal fees are up by $150K, Gate fees are up by $112K, Lab fees are up by $26K and Recyclable steel sales are up by $30K.

Goods & Service exceed budget by $101K (i.e. mainly due to $90K green waste recycling costs) but are offset by a $35K saving against employee costs.

Internal transfer cost exceed budget by $19K.

Finance data is to June 2017.
2.4 Capital Expenditure

The following graph provides an overview of the capital expenditure and monitors forecast expenditure against actual expenditure.

YTD 89% of the total amended budget has been spent and with committals included the spend increases to 131%.

The forecast spend for the year is 94% compared to amended budget.

The remainder is forecast to be spent in the 2017/2018 Budget.

3.1 Number of Bin Requests Actioned by Bin Contractors

The following graph shows the number of bin requests actioned by Bin Contractors for June 2017.
The following graph illustrates the key customer service requests for June 2017 bin collection services as a time series, to provide better context for analysis. It appears that request numbers for new bins are returning to pre T.C. Debbie levels.

![Graph showing customer service requests]

### 3.2 Dump Vouchers

Dump vouchers continue to be redeemed consistently during the reporting period.

<table>
<thead>
<tr>
<th>Voucher Season</th>
<th>No Vouchers issued</th>
<th>No Vouchers used</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>15' (valid to 31 March 2015)</td>
<td>145,344</td>
<td>34,747</td>
<td>23.9%</td>
</tr>
<tr>
<td>15A (valid to 30 Sept 2015)</td>
<td>146,313</td>
<td>32,733</td>
<td>22.4%</td>
</tr>
<tr>
<td>15B (valid to 31 March 2016)</td>
<td>146,790</td>
<td>38,256</td>
<td>26.1%</td>
</tr>
<tr>
<td>16A (valid to 30 Sept 2016)</td>
<td>144,174</td>
<td>36,798</td>
<td>25.5%</td>
</tr>
<tr>
<td>16B (valid to 31 March 2017)</td>
<td>144,174</td>
<td>36,254</td>
<td>25.1%</td>
</tr>
<tr>
<td>17A (valid to 30 September 2017)</td>
<td>147,600</td>
<td>15,413</td>
<td>10.4%</td>
</tr>
</tbody>
</table>

**Total number and $ value of vouchers presented to date:**

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>No Vouchers</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014/2015 Financial Year</td>
<td>58,276</td>
<td>419,227</td>
</tr>
<tr>
<td>2015/2016 Financial Year</td>
<td>75,459</td>
<td>553,204</td>
</tr>
<tr>
<td>2016/2017 Financial Year</td>
<td>59,874</td>
<td>554,734</td>
</tr>
</tbody>
</table>
Voucher presented showing green and general waste

Slightly lower proportion of vouchers were used in June 2017 which is expected for this time of year.

Data is for the period of July 2016 to 30 June 2017.
3.3  Education

3.41  Material Recovery Facility tours:

- Pioneer State High School x 2
- PC & L Group
- Emmanuel Kindergarten x 2

3.42  Education programs

- Worm farming at C&K North Mackay over 2 days
- Composting and worm farming at Pioneer Community Kindergarten over 2 days
- Recycling education at Walkerston Kindergarten over 2 days
- Waste management and worm farming at St Marys Catholic School

3.43  Waste Education Trailer

- Recycling education - under 8’s week at Conningsby State School
- Open Day and Qld Day at Botanic Gardens

3.44  Events

- Mackay Show

3.4  Community Engagement

This section monitors Waste Services engagement on the service provided. The following chart shows the number of media releases, media updates and the number of people reached by media releases on Facebook.
3.5 T.C. Debbie Waste Services Recovery Operations

Waste Services recovery efforts wound up in June with the completion of all collection services, the processing of green waste associated with T.C. Debbie and the restoration of all temporary sites, including all stockpile removal.

The focus will now be on the reconciliation of data to support Council's requests for government financial assistance. It is expected that reports for the Waste Services' response supporting the submissions will be completed in July 2017.

Works continue on the restoration of assets with significant damage occurring at Hogan's Pocket Landfill and Sarina Transfer Station. Work is continuing on the assessment of the damage. The restoration work at Hogan's Pocket Landfill Cell 3 continues with the planned completion in July still on track. Following those works, Cell 1 Capping restoration will be the next phase for restoration.

Sarina Transfer Station temporary arrangements are in place to enable operations. During the month, all of the transfer station bins were recovered. The retrieval process required regulatory approval and once that was obtained the retrieval could be performed. The three bins will be returned into service once cleaning and repairs have been completed. Permanent restoration arrangements for the site are still being arranged.

Following the request from the Infrastructure and Services Standing Committee at its April 2017 meeting following the flooding impacts from Cyclone Debbie an investigation has been undertaken on the potential to relocate the Sarina Transfer Station to a higher position at the current site. On Friday 9 June 2017, Councillor's May and Bella undertook a site meeting with the Director Engineering and Commercial infrastructure and the Waste Services representatives to assess the current positioning and options. The assessment by officers revealed that the option to relocate the transfer station to a higher location is not economical. If the transfer station was to be relocated to the former landfill, the former landfill remediation would have to occur before the transfer station relocation could occur, bringing forward the substantive capital expenditure than is currently planned in the Long Term Financial Forecast. This would also alter the likely remediation design requirements which would also increase costs to cater for the new transfer station structures over what would normally have been done to remediate the site. The existing Sarina Transfer Station remaining asset life would have to be written off adding more cost to process. Following the on-site discussions with staff it was also identified that should a future flooding event occur that the expected time to recover and open the site could be significantly reduced from the last event. Staff believe with some modifications to the site that the site could be opened within 7 to 10 days rather than the four weeks experienced in the last event.

Therefore, based on this high-level investigation it is recommended that facility remains at the current location at the site.
4.1 Hogan’s Pocket Landfill Waste Disposal Tonnages

The following chart represents the monthly tonnes disposed of at Hogan's Pocket Landfill. This chart shows that tonnes this financial year have been generally down when compared with previous financial years (apart from the spike associated with TC Debbie). June tonnes are reflective of the last two years for this period.

On Saturday, 1 July 2017, there will be new faces and uniforms for some of Waste Services’ major operations. After 10 years Remondis Australia will no longer be the service contractor for the Hogan’s Pocket Landfill Operations and Waste Haulage and the contractor for the management and operations for Paget Transfer Station.

With the Paget Transfer Station site operations and management, Council will be resuming control of the site as the current tender is still being evaluated for Council to make a final decision. It is expected that the tender will be awarded in the first quarter of the Financial Year for the Paget Transfer Station Operations Contract. An interim arrangement has been made for 3 months utilising the Transfer Station contractor for the other 10 regional sites for a 3 month period, for the on-floor operations for this site, with Waste Services managing the other components of the service, including facility management for the interim period.
4.2 Landfill Gas

The Gas flare has been fully operational for the month of June and gas volumes destroyed are indicative of normal performance.

4.3 Greenwaste Management

The following graph illustrates the tonnage rates for green waste processed for the period, the cumulative tonnes of green waste processed for the year to date and the tonnes of green waste projected to be processed early. The production of processed green waste remains highly variable and the projected totals are a guide only. The cumulative actual tonnes have significantly exceeded projected tonnes due to the impact of T.C. Debbie.
4.4 Projects

4.4.1. Significant Projects

Waste Services undertakes a range of projects across the business. Projects take the form of capital projects, planning, research and investigations. Information for the significant projects in Waste Services is provided in the table below and was current as at 30 June 2017.

<table>
<thead>
<tr>
<th>Council Project Management Phases</th>
<th>Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Planning (Plan)</td>
<td>On Track</td>
</tr>
<tr>
<td>2. Design (Des)</td>
<td>Potential Issue</td>
</tr>
<tr>
<td>3. Procurement (Proc)</td>
<td>Definite Issue</td>
</tr>
<tr>
<td>4. Construction (Con)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>PHASE</th>
<th>PHASE % COMPLETE</th>
<th>INDICATORS</th>
<th>ORIGINAL BUDGET DETAILS</th>
<th>COMMENTS</th>
</tr>
</thead>
</table>
| Plant & Equipment      | Proc  | 85%              | Schedule   | Scheduled Completion Date: 30/06/2017 | This funding has been allocated to the procurement of a weather station for Paget TS. Due to the increase in internal concerns raised over periodic nuisance odour alleged to emanate from Paget TS a weather station is being installed to monitor meteorological information at a cost of $18k. The device will capture; temperature, relative humidity, solar radiation, wind speed and wind direction. The system will also have firmware to calculate evaporation, wind vector and sigma theta (vital data for modelling airborne pollution).

The weather station installation at Paget Transfer Station has been completed.

The balance of funds were intended to be used to upgrade the communications cable plant at Hogan’s Pocket to enable the distribution of MRC’s WAN network to site infrastructure (buildings) through fibre optic connections (circa $20k). Unfortunately, due to delays with the WAN installation project this has had a knock-on effect on this project and this could not be completed within the 16/17 FY. This work is now expected to be completed in July. |
| Hogan’s Pocket Communication tower | Proc  | 20%              | Schedule   | Scheduled Completion Date: 31/05/2017 | Work awarded to ATI Australia.

ATI have advised that due to some specialised equipment delays the works will now be completed in July 2017. The project remains programed for completion in July 2017, however, works have not commenced onsite to date and are potentially at risk of further delays to the Program. |
<p>| Hogan’s Pocket                      | Des   | 98%              | Schedule   | Scheduled                     | Detailed design completed. Proposed to MRC                                                                                                                                                                                                                                                                                               |</p>
<table>
<thead>
<tr>
<th>PROJECT</th>
<th>PHASE</th>
<th>PHASE % COMPLETE</th>
<th>INDICATORS</th>
<th>ORIGINAL BUDGET DETAILS</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>weeds wash bay</td>
<td></td>
<td></td>
<td>Budget</td>
<td>Completion Date: 30/06/2017</td>
<td>Civil Projects to deliver project. The civil construction is practically completed; however, some ancillary components have been delayed and will require installation in July. With the combined expenses and committals, it is anticipated that this project will exceed the original budget by approximately 25%. Waste Services are conducting a project review to understand why there has been such a significant budget exceedance.</td>
</tr>
<tr>
<td>Paget Transfer station dust suppression system</td>
<td>Proc</td>
<td>100%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Awarded to Coolfog with work commencing in May 2017 and being completed and commissioned in late June. The project was successfully delivered on time and slightly under budget.</td>
</tr>
<tr>
<td>Bucasia gatehouse realignment</td>
<td>Con</td>
<td>100%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 31/01/2017</td>
<td>Construction work was completed in May and the new facility is now operational.</td>
</tr>
<tr>
<td>Closed landfill risk review</td>
<td>In Progress</td>
<td>20%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2017</td>
<td>Waste Services is undertaking a review of the Closed Site Remediation Program. The former landfill site remediation obligations currently represent one third of the Waste Services’ twenty-year capital forecast budget. The review will undertake a triple bottom line risk assessment priority ranking based on relative risks as well as a revised budget framework. The consultant, Golder Associates, has delivered the draft first stage report. The workshop occurred in March 2017. Phase one of the project was expected to be completed in June 2017, however, Cyclone recovery works have impacted on this project. MRC to review the consultant’s draft submission.</td>
</tr>
</tbody>
</table>
### 4.4.2 Significant Non-Capital Projects

<table>
<thead>
<tr>
<th>Waste Services Contracts Development</th>
<th>In Progress</th>
<th>85%</th>
<th>Schedule</th>
<th>Scheduled Completion Date: 30/06/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paget Transfer Station Services Tender continues to be evaluated, with additional TIRs issued to the respondents for additional information. Evaluation is planned to be finalised for a report to Council in July 2017.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The evaluation for the Green Waste Processing Services Tender is continuing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tender evaluations have been impacted due to key personnel being required to manage both the waste services recovery and restoration efforts post T.C. Debbie.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 4.5 Material Recovery Facility Operations

The following graph shows tonnages for inbound product received from domestic collections within the Mackay Region, Commercial collections and Isaac Regional Council.

Inbound product remains consistent with pre-cyclone levels in June 2017 with an increase in volumes from Isaac Regional Council over the last quarter.

Data is from 1 July 2016 to 30 June 2017.
5.1 Surface Water Discharge Management
No matters to report.

5.2 Waste Facility Audits
Internal audits of MRC Waste Facilities continue to be conducted. During June 2017 100% of sites were inspected.

<table>
<thead>
<tr>
<th>Inspection Frequency</th>
<th>Number required</th>
<th>% Complete</th>
<th>Completed/Carryover</th>
<th>Risk</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bi-monthly</td>
<td>16 sites</td>
<td>100%</td>
<td>16 completed</td>
<td>🟢</td>
<td>No significant safety, environmental or asset issues identified in audits.</td>
</tr>
<tr>
<td>Six-monthly</td>
<td>16 sites</td>
<td>100%</td>
<td>16 completed</td>
<td>🟢</td>
<td>Nil safety, environmental or asset issues reported. Sites low risk.</td>
</tr>
</tbody>
</table>