INFRASTRUCTURE AND SERVICES
STANDING COMMITTEE

FINAL MINUTES

12 July 2017
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<td>44933</td>
<td>12.07.2017</td>
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Declaration of Potential Conflict of Interest

Nil.
1. COMMITTEE ATTENDANCE:
   Cr Williamson advised with both the Chairperson and Deputy Chairperson absent from today's meeting an Acting Chairperson would need to be appointed.

   Committee Resolution
   THAT Cr Walker be appointed the Acting Chairperson for today's meeting.
   Moved Cr Williamson         Seconded Cr Paton
   CARRIED

   Crs R D Walker (Acting Chairperson), M J Bella, L G Bonaventura, A R Paton, and Mayor G R Williamson were in attendance at the commencement of the meeting.

2. NON-COMMITTEE ATTENDANCE:
   Also present were Mr C Doyle (Chief Executive Officer), Mr J Devitt (Director Engineering and Commercial Infrastructure) and Mrs M Iliffe (Minute Secretary).

   The meeting commenced at 9.00 am.

3. ABSENT ON COUNCIL BUSINESS:
   Nil

4. APOLOGIES:
   Cr K L May (Chairperson) and Cr K J Casey
5. **CONFLICT OF INTEREST:**

Nil

6. **CONFIRMATION OF MINUTES:**

6.1 **INFRASTRUCTURE AND SERVICES STANDING COMMITTEE MEETING - 14 JUNE 2017**

THAT the Infrastructure and Services Standing Committee Meeting Minutes dated 14 June 2017 be adopted.

Moved Cr Bonaventura

Seconded Cr Paton

CARRIED

7. **BUSINESS ARISING OUT OF MINUTES OF PREVIOUS MEETING:**

Nil

8. **CORRESPONDENCE AND OFFICERS' REPORTS:**

8.1 **ECI - WASTE SERVICES MONTHLY REVIEW - 1 JUNE 2017 TO 30 JUNE 2017**

Author Director Engineering & Commercial Infrastructure

Purpose

To provide the Committee with Engineering and Commercial Infrastructure - Waste Services Monthly Review for the period of 1 June 2017 to 30 June 2017.

Officer's Recommendation

THAT the Engineering and Commercial Infrastructure - Waste Service Monthly Review for the period of 1 June 2017 to 30 June 2017.

FURTHER THAT the recommendation to leave the Sarina Transfer Station in its current location following the request at the April Infrastructure & Services Committee to investigate the relocation of the Sarina Transfer Station to mitigate future flooding risk is noted.
Director Engineering and Commercial Infrastructure (DECI) spoke to the report and provided a brief overview of the Waste Services for the month of June 2017.

Cr Paton queried the why the year to date budget was different from the amended budget at the end of June 2017.

DECI advised there is a period 13 that is accounted for where accounts are received post 30 June but are for work completed pre 30 June and the Managers will prepare a forecast on their spend.

Cr Bonaventura queried the depreciation on the business services amount and asked for additional information.

DECI advised in relation to depreciation the waste building assets have been accounted for in the general fund under Property Services and now this has changed to be accounted for where the asset sits and also Hogan’s Pocket Cell 3 has come on line and depreciation needs to be accounted for.

The Chief Executive Officer (CEO) advised from an overall business point of view Council remains on track for the forecast depreciation to be as reported, subject to the full financial year processes.

Cr Bonaventura queried if it was possible to receive a breakdown of the recipient and fee waivers of the not for profit organisations waste disposal for each amount received for the year and for the 2014/2015 financial year.

DECI advised he will arrange for the figures to be collated and forward this information to all Councillors post the meeting.

Cr Bonaventura queried if bins supplied as a result of Tropical Cyclone Debbie was covered by the contractors obligations and at no cost to Council.

DECI advised Council has received a claim from the contractor but Council’s assessment of the supplying of these bins is a requirement of the contractor as a result the claim was declined.

Cr Bonaventura advised he would be disappointed if the contractor pursued this claim as he feels it falls within the contract and would like the DECI to push back quite strongly if the declined claim is appealed.

Cr Bonaventura queried given the scheduled completion date for the Hogan’s Pocket Communication Tower project is 31 May 2017 and it is noted as not completed, what is the expected completion date.

DECI advised the completion date for this project is by end of July 2017 however, there is a risk it may be delayed until mid-August 2017.
Committee Resolution

THAT the Officer's Recommendation be adopted.

Moved Cr Paton  Seconded Cr Bella  CARRIED

8.2 ECI - WATER SERVICE MONTHLY REVIEW - 1 JUNE 2017 TO 30 JUNE 2017

Author  Director Engineering & Commercial Infrastructure

Purpose

To provide the Committee with Engineering and Commercial Infrastructure - Water Services Monthly Review for the period of 1 June 2017 to 30 June 2017.

Officer's Recommendation

THAT the Engineering and Commercial Infrastructure - Water Services Monthly Review for the period of 1 June 2017 to 30 June 2017.

Director Engineering and Commercial Infrastructure (DECI) spoke to the report and provided a brief overview of the Water Services for the month of June 2017.

Cr Paton queried the reason for the decrease in the number of wastewater compliance tests undertaken during the period.

DECI advised the wastewater compliance tests incorporates what is required from a regulatory point from the treatment plant and it also incorporates tests for trade waste. There were a couple of the key samplers absent during the period therefore the number of trade waste samples tested was reduced and will be carried over to the next period.

Cr Bonaventura queried if the excellent results being achieved for residents and Council through the MiWater and MyH20 initiative could be publicised.

DECI advised he would liaise with the Corporate Communications team on how best to publicise this information to the residents.

Cr Bonaventura queried the completion date for the Mt Pleasant Reservoir No. 1 Refurbishments and if there are contingencies in place for the additional works found.

DECI advised the contractor for this project has an August 2017 completion date but there is expected to be delays to this completion date due to the additional works found and is likely to be completed in September 2017.
Cr Bonaventura queried if due to the revised completion date of this project would it cause supply shortage.

DECI advised the storage supply is pumped daily to the three (3) reservoirs on the site and operate at a high water level and there are a number of options available if additional water is required during this project.

The Mayor queried if there is an approximate amount of what the under budgeted absorbed costs are in the water fund as a result of Tropical Cyclone Debbie.

DECI advised there were very little unbudgeted costs incurred as a result of Tropical Cyclone Debbie in relation to Council's assets. The exact figure is not known but a report could be prepared for the committee.

The Chief Executive Officer (CEO) confirmed there is little material costs associated with the water program. The waste program with Hogan's Pocket Cell 3 damage if uncovered by insurance there will be unbudgeted costs.

Committee Resolution

THAT the Officer's Recommendation be adopted.

Moved Cr Bonaventura Seconded Cr Bella

CARRIED

8.3 ECI - TRANSPORT & DRAINAGE MONTHLY REVIEW - 1 JUNE 2017 TO 30 JUNE 2017

Author Director Engineering & Commercial Infrastructure

Purpose

To provide the Committee with Engineering and Commercial Infrastructure - Transport and Drainage Monthly Review for the period of 1 June 2017 to 30 June 2017.

Officer's Recommendation

THAT the Engineering and Commercial Infrastructure - Transport and Drainage Monthly Review for the period of 1 June 2017 to 30 June 2017.

Director Engineering and Commercial Infrastructure (DECI) spoke to the report and provided a brief overview of the Transport and Drainage Services for the month of June 2017.
Cr Paton queried if Council has a Glove Policy given the incident which occurred during the period.

DECI advised any injury or potential risk is reviewed at the weekly Strategic Leadership Team meetings. Council does not have a Glove Policy stating the wearing of gloves are mandatory, this is included in the risk assessment of the work being undertaken.

Cr Bonaventura advised the Malcomson Street project completed is a very good result for the community and the Glenella Connection Road bypass project is now completed and is also a very good result for the community who can continue to use the bypass during the roadworks. He asked if his thanks could be conveyed to the staff for the excellent work they have done.

Committee Resolution

THAT the Officer's Recommendation be adopted.

Moved Cr Paton                                  Seconded Cr Bella

CARRIED

8.4 ATTENDANCE OF COUNCILLOR AT QUEENSLAND INFRASTRUCTURE SUMMIT 2017

Author   Director Engineering & Commercial Infrastructure

Purpose

To seek confirmation for the Infrastructure & Services Standing Committee's Chair (Cr Karen May) to attend the Queensland Infrastructure Summit in Brisbane on 29 August 2017.

Operational Plan Linkage

6.9 - Develop a 2017/18 roads and drainage capital works program based on the long term financial forecast

Background/Discussion

Cr Karen May is the Chair of the Infrastructure & Services Standing Committee. The Transport & Drainage Programs fall within the terms of reference of this Committee. The Queensland Infrastructure Summit 2017 will address the pressures and issues that governments face in the provision of transport and drainage infrastructure and will investigate alternative opportunities for provision of infrastructure.
Consultation and Communication

Discussions were held between the Director Engineering & Commercial Infrastructure and Cr May and this request, as required, has been approved by the Chief Executive Officer for consideration and endorsement by Council.

Resource Implications

The total cost will be in the vicinity of $1,200 with costs being conference registration of $764.50 and flights. These costs will be borne by the Councillor budget within the Office of the Mayor and CEO.

Risk Management Implications

N/A

Conclusion

It will be of value to Mackay Regional Council for Cr Karen May as Chair of the Infrastructure & Services Standing Committee to attend the Queensland Infrastructure Summit on 29 August 2017 where she will gain a better understanding of the current challenges relating to provision of Transport & Drainage infrastructure.

Officer's Recommendation

THAT the Committee endorse the attendance of Cr May at the Queensland Infrastructure Summit on 29 August 2017.

Committee Resolution

THAT the Officer's Recommendation be adopted.

Moved Cr Paton

Seconded Cr Williamson

Cr Paton advised it would be valuable for Cr May to attend the Queensland Infrastructure Summit as Chair of the Infrastructure and Services Standing Committee and will assist with working through any challenges for this committee.

CARRIED

9. TENDERS:

Nil
10. CONSIDERATION OF NOTIFIED MOTIONS:
   Nil

11. PUBLIC PARTICIPATION:
   Nil

12. LATE BUSINESS:
   Nil

13. CONFIDENTIAL REPORTS:
   13.1 ENGINEERING & COMMERCIAL INFRASTRUCTURE BI-MONTHLY LEGAL REPORT - JUNE 2017

   Confidential Legal Report - Subject to Legal Professional Privilege

   Committee Resolution

   THAT the report be received.

   Moved Cr Paton Seconded Cr Bonaventura

   CARRIED

14. MEETING CLOSURE:
   The meeting closed at 9.29 am.

15. FOR INFORMATION ONLY:
   Nil

   Confirmed on Wednesday 12 July 2017

   ………………………………………

   Acting CHAIRPERSON
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Monthly Review - June 2017
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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.

![Safety Incidents and Lost Time Injuries Diagram]

*Data is as of 30 June 2017*

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.

![Lost Time Injuries Diagram]

*Data is as of 30 June 2017*

Waste Services has not recorded a Lost Time Injury.

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>ARU Budget</th>
<th>YTD Budget</th>
<th>YTD Actual</th>
<th>YTD % Var</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E.31 - Commercial Infrastructure Management</td>
<td>(17,502)</td>
<td>(11,110,050)</td>
<td>(11,144,000)</td>
<td>(32,950)</td>
<td>19%</td>
</tr>
<tr>
<td>E.33 - Waste Services</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>E.39 - Business Services</td>
<td>4,307,138</td>
<td>3,064,050</td>
<td>3,031,902</td>
<td>(32,150)</td>
<td>10%</td>
</tr>
<tr>
<td>E.57 - Waste Treatment</td>
<td>105,085</td>
<td>105,042</td>
<td>96,442</td>
<td>(5,602)</td>
<td>90%</td>
</tr>
<tr>
<td><strong>Total Waste Services</strong></td>
<td>(5,191,696)</td>
<td>(7,605,098)</td>
<td>(7,736,999)</td>
<td>(131,144)</td>
<td>100%</td>
</tr>
<tr>
<td><strong>TOTAL OPERATIONAL</strong></td>
<td>(5,191,696)</td>
<td>(7,605,098)</td>
<td>(7,736,999)</td>
<td>(131,144)</td>
<td>100%</td>
</tr>
<tr>
<td>E.51 - Waste</td>
<td>1,744,714</td>
<td>1,744,714</td>
<td>1,546,530</td>
<td>(198,183)</td>
<td>90%</td>
</tr>
<tr>
<td><strong>TOTAL CAPITAL</strong></td>
<td>1,744,714</td>
<td>1,744,714</td>
<td>1,546,530</td>
<td>(198,183)</td>
<td>90%</td>
</tr>
</tbody>
</table>

% Variance from YTD Budget
- Acts more than 10% over YTD Budget
- Acts between 1% and 10% over YTD Budget
- Acts between 1% and 10% under YTD Budget
- Acts between 10% and 50% under YTD Budget
- Acts more than 50% under YTD Budget

Operating Result
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 $67K more than budget (this is not taking depreciation into account).

Net operating revenue is up $129K, interest is down by $9K. However, internal waste disposal fees are up by $102K, staff costs are up by $112K, lab tests are up by $20K and Recyclable Charge sales are up by $20K.

Goods & Services excess budget by $80K (i.e. mainly due to $50K green waste recycling costs but are offset by a $35K saving against employee unions).

Internal transfer cost exceeded 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.

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.

### 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>146,315</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>15A (valid to 30 Sept 2016)</td>
<td>144,174</td>
<td>36,708</td>
<td>25.5%</td>
</tr>
<tr>
<td>15B (valid to 31 March 2017)</td>
<td>144,174</td>
<td>36,284</td>
<td>25.1%</td>
</tr>
<tr>
<td>17A (valid to 30 September 2017)</td>
<td>147,600</td>
<td>35,413</td>
<td>19.4%</td>
</tr>
</tbody>
</table>

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

- 2014/15 Financial Year (to 30.06.2015): 68,276 $ 40,027
- 2015/16 Financial Year (to 30.06.2016): 75,450 $ 58,204
- 2016/17 Financial Year (to 30.06.2017): 56,974 $ 55,734
Voucher presented showing green and general waste

![Graph showing voucher presentations for 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 B’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.
ASSET MANAGEMENT

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.G. 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>
| Plan & Equipment               | Proc  | 50%              | 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 $116K. The device will capture temperature, relative humidity, solar radiation, wind speed and wind direction. The system will also have firmware to calculate evapotranspiration, 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 | Original Budget: $150,000. 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 programmed for completion in July 2017, however, works have not commenced on site to date and are potentially at risk of further delays to the Program. |
| Hogan's Pocket                  | Des   | 90%              | Schedule   | Scheduled                | Detailed design completed. Proposed to MRC |
### Engineering & Commercial Infrastructure

**Monthly Review > June 2017**

<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</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other issues/ Risk</td>
<td>Original Budget: $75,900</td>
<td>The civil construction is practically completed; however, some ancillary components have been delayed and will require installation in July.</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 Coofog with work commencing in May 2017 and being completed and commissioned in late June.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Completion Date: 30/06/2017</td>
<td>The project was successfully delivered on time and slightly under budget.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other issues/ Risk</td>
<td>Original Budget: $20,000</td>
<td></td>
</tr>
<tr>
<td>Buccasia 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></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Completion Date: 31/01/2017</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other issues/ Risk</td>
<td>Original Budget: $20,000</td>
<td></td>
</tr>
<tr>
<td>Closed landfill risk review</td>
<td>In</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>
<tr>
<td></td>
<td>Progress</td>
<td></td>
<td>Budget</td>
<td>Completion Date: 30/06/2017</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other issues/ Risk</td>
<td>Original Budget: $20,000</td>
<td></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>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. The evaluation for the Green Waste Processing Services Tender is continuing. 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.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Original Budget: $69,269</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Due: 30/06/2018</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.
5.1 **Surface Water Discharge Management**
No matters to report.

5.2 **Waste Facility Audits**
Internal audits of URC 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>
OVERVIEW

This report is for Water Services activities for June 2017. Significant items in this period include:

- There was one Lost Time Injury (LTI) recorded for the month in Water Networks where a staff member required an arthroscopy on his knee. It’s expected this will lead to 11 lost days. This is the first LTI to occur across the Water Program for over 24 months.
- The Water and Waste Advisory Board held a quarterly meeting on 8 June 2017.
- The new ultraviolet disinfection system (Trojan PTP 3000) was successfully installed and commissioned this week at the Mirani Sewage Treatment Plant. The performance of the system has been an ongoing issue and a decision had been made to manage this asset until upgrade of the Treatment Plant.
- Two officers attended the Water Industry Operators Conference 2017 in Logan on 7 & 8 June 2017. One officer gave a presentation on the Operational benefits the Network Crews experience with Sewer Sensors and this was well received.
- On Tuesday, 13 June 2017, the northern supply gravity zone lost the main feed to Mount Pleasant after a burst water main occurred in Kay Court. Contingency management and careful operation ensured that most of the residents in the zone did not suffer reduced potable supply service or pressure.
- On Wednesday, 14 June 2017, a cast iron main on Gordon Street suffered a blowout failure. This left a section of the business centre in Gordon Street without a potable supply service until after lunch requiring some businesses to close for the day’s trading.
- The Water Services’ stand at the Mackay Regional Show from 20 - 22 June 2017 was very successful with 1,500 x 600ml water bottles being given to the public to use at the Choose Tap Bottle Filling Station.
- The following table shows the number of applications processed over the last three financial years to provide relief under the Concealed Leaks Policy. This demonstrates the value of MWater and the Customer Portal—myh2o—to both the Council and customer.

<table>
<thead>
<tr>
<th>Financial Year</th>
<th>Number of Applications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014/15</td>
<td>259</td>
<td>$57,238.57</td>
</tr>
<tr>
<td>2015/16</td>
<td>141</td>
<td>$37,583.81</td>
</tr>
<tr>
<td>2016/17</td>
<td>86</td>
<td>$19,567.94</td>
</tr>
</tbody>
</table>
1.1. Incident Statistics
The incident statistic details a summary of the Water Services safety incident performance. Water Services aspires to achieve zero harm with a stretch target of zero injuries.

The following incidents were recorded in June 2017:
2 x Non Treatment Injury from Muscular Stress

Data is as of 30 June 2017

1.2. Lost Time Injuries
Water Services aspires to achieve zero Lost Time Injuries by improving safety performance by developing a proactive safety culture and implementing best practice safety management across all business areas.

One Lost Time Injury was sustained during the 2016/2017 reporting year.

Data is as of 30 June 2017

The table below shows the Lost Time Injuries over previous years:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planning &amp; Sustainability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Network</td>
<td>2</td>
<td>79</td>
<td>4</td>
<td>9</td>
<td>3</td>
<td>71</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Water Treatment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infrastructure Delivery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Services</td>
<td>2</td>
<td>79</td>
<td>4</td>
<td>9</td>
<td>3</td>
<td>71</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
## Finance

### 2.1. Water and Wastewater Financial Fund Report

#### Water and Waste Water Fund Financial Report

**For June 2017**

<table>
<thead>
<tr>
<th>Operating Result</th>
<th>AMB Budget (k)</th>
<th>YTD Budget (k)</th>
<th>YTD Actual (k)</th>
<th>YTD Variance (k)</th>
<th>%</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Water</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.01 - Commercial Infrastructure Management</td>
<td>(56,000.169)</td>
<td>(56,007.370)</td>
<td>(56,240,215)</td>
<td>(24,849)</td>
<td>169%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.02 - Planning &amp; Sustainability</td>
<td>779,627</td>
<td>770,891</td>
<td>779,654</td>
<td>19,771</td>
<td>101%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.03 - Infrastructure Delivery</td>
<td>279,756</td>
<td>272,028</td>
<td>275,717</td>
<td>18,774</td>
<td>69%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.04 - Water Networks</td>
<td>-1,175,057</td>
<td>-1,104,606</td>
<td>5,639,279</td>
<td>6,711,342</td>
<td>91%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.05 - Business Services</td>
<td>1,022,708</td>
<td>7,536,052</td>
<td>7,581,356</td>
<td>(67,306)</td>
<td>96%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.07 - Water Treatment</td>
<td>1,221,564</td>
<td>5,186,711</td>
<td>4,396,297</td>
<td>(590,417)</td>
<td>93%</td>
<td>▶️</td>
</tr>
<tr>
<td><strong>Total Water</strong></td>
<td>6,794,431</td>
<td>19,331,766</td>
<td>19,054,705</td>
<td>(267,061)</td>
<td>10%</td>
<td>▶️</td>
</tr>
<tr>
<td><strong>Wastewater</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.01 - Commercial Infrastructure Management</td>
<td>(41,671,308)</td>
<td>(41,576,153)</td>
<td>(41,548,415)</td>
<td>(107,718)</td>
<td>100%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.02 - Planning &amp; Sustainability</td>
<td>662,177</td>
<td>672,479</td>
<td>598,330</td>
<td>(74,149)</td>
<td>89%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.03 - Infrastructure Delivery</td>
<td>259,486</td>
<td>253,141</td>
<td>173,822</td>
<td>(81,019)</td>
<td>65%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.04 - Water Networks</td>
<td>1,861,461</td>
<td>4,632,882</td>
<td>5,259,115</td>
<td>327,233</td>
<td>103%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.05 - Business Services</td>
<td>17,317,022</td>
<td>6,076,019</td>
<td>6,001,029</td>
<td>(75,090)</td>
<td>93%</td>
<td>▶️</td>
</tr>
<tr>
<td>6.07 - Water Treatment</td>
<td>1,425,763</td>
<td>6,493,056</td>
<td>5,885,492</td>
<td>(507,564)</td>
<td>92%</td>
<td>▶️</td>
</tr>
<tr>
<td><strong>Total Wastewater</strong></td>
<td>12,166,391</td>
<td>29,136,613</td>
<td>28,449,016</td>
<td>(557,601)</td>
<td>10%</td>
<td>▶️</td>
</tr>
<tr>
<td><strong>TOTAL OPERATIONAL</strong></td>
<td>(20,611,663)</td>
<td>(41,767,277)</td>
<td>(42,771,711)</td>
<td>(100,431)</td>
<td>102%</td>
<td>▶️</td>
</tr>
<tr>
<td>2 - Water</td>
<td>1,027,619</td>
<td>5,221,673</td>
<td>4,404,636</td>
<td>(1,817,037)</td>
<td>70%</td>
<td>▶️</td>
</tr>
<tr>
<td>4 - Wastewater</td>
<td>1,073,689</td>
<td>1,072,651</td>
<td>5,067,564</td>
<td>(1,200,972)</td>
<td>70%</td>
<td>▶️</td>
</tr>
<tr>
<td><strong>TOTAL CAPITAL</strong></td>
<td>11,430,571</td>
<td>10,431,571</td>
<td>10,460,236</td>
<td>(360,221)</td>
<td>77%</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% over and 10% under YTD/Budget
- ▶️: Actuals between 1% and 5% under YTD Budget
- ▶️: Actuals more than 5% under YTD Budget
2.2. Operating Result for Water and Waste Water Fund

![Operating Result Graph]

2.3. Capital Expenditure for Water and Waste Water Fund

![Capital Expenditure Graph]

The operational end of year position for Water Services still requires the depreciation to be accounted for which has yet to occur. It is expected the final position of revenue and operational expenses will be in line with the amended budget noting final/end of year accruals are still to occur.

The end of year capital outcome is in line with the amended budget forecast. The forecast carryover figure of $2.4M remains unchanged.
2.4. **Accrued Water Operating Revenue Less Expenditure**

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

![Water Revenue Graph](image)

- The annual operating surplus is projected to be $195k more than budget (this is not taking depreciation into account).
- Revenue is projected to be $410k above budget which is mainly driven by $360k higher internal transfer income.
- Operating expenses are forecast to be $129k more than budget mainly due to goods and services $180k and internal transfer expenses $32k more than budget.

Financial data is up to June 2017.

2.5. **Accrued Wastewater Operating Revenue Less Expenditure**

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

![Wastewater Revenue Graph](image)

- The annual operating surplus is projected to be $527k above budget (this is not taking depreciation into account).
- Revenue is projected to be $145k above budget which is driven by $154k higher internal transfer income.
- Operating expenses are forecast to be $193k less than budget mainly due to internal transfer cost being $157k more than budget and finance cost $136k more than budget. These expenses are offset by $91k saving against wages and salaries.

Financial data is up to June 2017.
2.5. Capital Expenditure Performance

The following trend provides a high-level overview of the capital expenditure to monitor actual expenditure against forecast expenditure. The forecast expenditure profile is based on the original Water and Sewerage Capital Program projects budget and delivery schedule.

![Capital Expenditure Performance Graph]

Capital YTD expenditure actually resulted in a 77% spend of total amended budget.
Including commitals 102% of total amended budget has been spent.
Currently forecast to spend 10% of total amended budget.
The remaining funds are budgeted to be spent in 2017/2018.

3.1. Requests

This chart details the customer requests received and recorded via pathways that relate to the Water Business. The target is to have 90% of all customer requests closed at any one point in time.

![Customer Services Graph]

89% of Client Requests Completed in June 2017.
Data as at 30 June 2017.
3.2. Request Types

The following chart displays a summary of the customer request types received for the month.

Number of requests received in June was 365 which is a decrease from May where 421 requests were received. The majority of the requests are for Water Leak Service - 194 requests.

Date is at 30 June 2017.

3.3. Plumbing Applications

In accordance with the Plumbing and Drainage Act a plumbing application is required for all new plumbing installations or modifications to existing plumbing. A plumbing application must be lodged to Local Government. Water Services has a regulatory time frame of 20 business days to assess a plumbing application. An internal target of 5 business days has been set for all residential plumbing applications.

Plumbing application numbers decreased from 59 in May to 40 in June 2017. Approval turnaround times have increased to three days and remain well within set timeframes.

Date is at 30 June 2017.
3.1. Trade Waste Approvals

The program for undertaking trade waste assessment and licensing of all applicable businesses that discharge trade waste is ongoing. As part of the Trade Waste Assessment process a temporary Trade Waste Approval is put in place while the formal approval process is undertaken. The table below summarises the number of Trade Waste Approvals for the Mackay Region.

<table>
<thead>
<tr>
<th></th>
<th>Total Approved Businesses</th>
<th>Temporary Approvals In Place</th>
<th>New Approved Businesses for the Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mackay South</td>
<td>758</td>
<td>19</td>
<td>7</td>
</tr>
<tr>
<td>Mackay North</td>
<td>68</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Saligna</td>
<td>56</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Mirani/Marian</td>
<td>31</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>913</strong></td>
<td><strong>22</strong></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

7 new businesses were identified for the month of June

3.5. Annual Trade Waste Activity

Annual targets are set for the Trade Waste team with respect to licensing Trade Waste Businesses. The target has been set at 250 new licensed businesses and audits completed by June 2017. The following chart shows the Actual Approvals, Temporary Approvals and Audits achieved and the number of the target remaining.

7 Approvals issued and 13 Audits conducted during June 2017.

The target of 250 combined Approvals and Audits for 2016/2017 financial year has been achieved with 255 audits and approvals completed.

Date is at 30 June 2017
3.6. Building Over Adjacent Sewers

Building over Adjacent Sewer applications are lodged where the construction of a structure is proposed within close proximity of a sewer main. The application is assessed against Queensland Development Code Mandatory Part 1.4 with council reviewing applications that do not comply with acceptable solutions identified in the code. Building Over Sewer Applications are assessed within a target timeframe of 20 business days.

- One new BOAS referral was received in June 2017. Plumbing inspectors continue to field enquiries and provide information on infrastructure.

Data is at 30 June 2017

3.7. Scientific and Analytical Services

Scientific and Analytical Services provides laboratory analysis in accordance with National Association of Testing Authorities (NATA) Standards to both Mackay Regional Council and external customers. A summary of the laboratory activities are detailed below.

- The number of samples registered and the number of registrations have increased slightly but the number of tests performed per sample has decreased. Overall the laboratory continues to perform more than 25000 tests per month. This is returning to normal levels after the influx of water, wastewater and environmental issues post cyclone Debbie.

Data is at 30 June 2017
3.3. Community Engagement

This section monitors Water Services engagement on the services provided. The following chart shows the number of media releases, media updates and the number of people that were reached by the Media Releases on Facebook.

The following chart shows the number of likes and positive comments, the number of neutral comments and the number of negative comments received on Facebook from Media Releases and Media updates for Water Services.

The likes on Facebook were mainly in regard to the media update regarding the Mackay Show.
The following chart shows the cumulative number of myh20 registrations for the reporting period.

3.9. Leak Detection Notifications
Leak Detection notifications are sent to customers, when the leak identified is greater than 10 litres per hour. Follow up notices are sent to residents, monthly for a three-month period after the initial notification.

The number of new leaks identified during June for residential customers was 1734 and for non-residential customers was 245. This was a slight decrease for residential customers from the previous month and an increase for non-residential customers. The number of meters with leaks at the end of the reporting period has increased for residential and non-residential customers. The number of leaks ceased during the period for both residential and non-residential customers has decreased.
The average leak days for current leaks shows the average number of days a leak exists before any action by the customer to rectify the cause of the leak. The average leak days for ceased leaks shows the average number of days that the leak exists before the leak is repaired.

### ASSET MANAGEMENT

**4.1. Surface Water Raw Water Storage Capacities**

Water Services sources water from a combination of surface water and groundwater sources. With the exception of Middle Creek Dam, the storage facilities are owned and operated by SunWater. Middle Creek Dam is under Council’s control. The water stored in each of the storages is detailed below.

![Bar chart showing water storage capacities of various dams and weirs.](chart.png)

- Mirani Weir: 1,280 ML
- Marian Weir: 1,995 ML
- Dumbleton Weir: 2,118 ML
- Middle Creek Dam: 1,120 ML
- Peter Faust Dam: 401,196 ML
- Teemburra Dam: 141,556 ML

Data is as at 30 June 2017

- Mirani Weir, Marian Weir, Dumbleton Weir and Teemburra Dam are at capacity.
- Middle Creek Dam and Peter Faust Dam are below capacity.
4.2. Annual Water Consumption vs Allocation by Source

Water Services has a water allocation or water license for each water source. The water allocation and year to date water consumption for each of the water sources is detailed below.

**Calen Water Usage figures are not based on Water Allocation, but show the amount of water usage for the area to date.**

4.3. Water Consumption by Locality

Water Services supplies water to both residential and commercial water customers throughout the Mackay Region. The average water consumption in each of the three major community centres is detailed below. The water consumption is presented as litres per equivalent population per day. This chart provides a summary of water consumption including commercial water use.

Data is at 30 June 2017
4.1. Significant Projects

Water Services undertakes a range of projects across the water business. Projects take the form of Capital works projects, planning studies and investigations. Information for the significant projects in Water Services is provided in the table below and was current as at 30 June 2017. Significant Projects are assessed on the following criteria: Dollar Amount, Risk and/or Community Interest.

<table>
<thead>
<tr>
<th>Council Project Management Phases</th>
<th>Indicators</th>
<th>Original Budget Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Planning (Plan)</td>
<td>On Track</td>
<td>$1,126,583</td>
</tr>
<tr>
<td>2. Design (Des)</td>
<td>Potential</td>
<td>$300,000</td>
</tr>
<tr>
<td>3. Procurement (Proc)</td>
<td>Definite</td>
<td></td>
</tr>
<tr>
<td>4. Construction (Con)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Sewage Network Refurbishments (Relining)
- **Phase**: Review Design/Tender Specifications
- **Phase % Complete**: 50%
- **Indicators**: Schedule, Budget, Other Issues/Risk
- **Original Budget Details**: $1,126,583
- **Comments**: The Tender Procurement strategy is currently being reviewed with all Stakeholders to ensure alignment with Industry Service Provider offerings before re-advertising. Planned date for re-advertisement is mid to late July 2017.

### Sewage Network Refurbishments (Manholes)
- **Phase**: Con
- **Phase % Complete**: 95%
- **Indicators**: Schedule, Budget, Other Issues/Risk
- **Original Budget Details**: $300,000
- **Comments**: Only 2 manholes remaining to be completed for Epoxy relining Contract. Letter of No Objection for Traffic control has been issued and awaiting Police Permit for these 2 manholes. All physical works for Contract for GaAl relining of manholes completed, including Contractor’s submission of all Inspection and Test Plans. Condition assessment inspection works by external contractor for manholes completed. All repair and inspection of access restricted manholes including CCTV survey of manholes completed.

### Sewage Pump Station Resilience Upgrades
- **Phase**: Con
- **Phase % Complete**: 90%
- **Indicators**: Schedule, Budget, Other Issues/Risk
- **Original Budget Details**: $3,674,534
- **Comments**: The Contractor Roswell Civil has completed all 58 valve installations, 20 switchboard installations on site, 6 antenna relocations, 5 wet well rehabilitations, 3 elevated switchboard structure installations and 3 pump station top slab rehabilitations. The on-site inspections have been conducted with minor defect to be rectified. As constructed drawings are currently being produced by the Contractor. The delivery of the remaining level sensors has been received and the installation is in progress.

### Water Main Replacements - Roads Driven
- **Phase**: Des and Con
- **Phase % Complete**: 100%
- **Indicators**: Schedule, Budget, Other Issues/Risk
- **Original Budget Details**: $290,227
- **Comments**: The 16/17 Capital project includes 3 water mains (WM) that require relocation prior to NRC road works. Construction of Curlew St WM, Breen St WM and Vincent St WM are complete. Changes in Civil Projects program have resulted in two additional WM projects - Forth St (construction completed) and Holmes Ave Sarina (construction completed) which were not budgeted for in the FY 16/17 budget.
<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>Water Main Renewals (WMR)</td>
<td>Des &amp; Con</td>
<td>100% Design</td>
<td>Schedule</td>
<td>Scheduled Completion Date 30/06/2017</td>
<td>Construction works have been completed in Gibson, Gardner Street and Duncan Street, West Mackay. Reoick Civil have started the construction of Bedford Road WM, Petrie Street WM construction is continuing. Kenmore Street WM construction will commence after WM Petrie Street has been completed. Design complete for Canberra Street. Construction works for Canberra Street are expected to start early July. Construction estimates indicate a potential budget shortfall on a number of WMR projects, to be monitored during construction.</td>
</tr>
<tr>
<td>Water Meter Replacements and AMR retrofits</td>
<td>Con</td>
<td>95%</td>
<td>Schedule</td>
<td>Scheduled Completion Date 30/06/2017</td>
<td>Works delayed due to rains following Tropical Cyclone Debbie. Replacement of commercial meters, domestic meters and AMR nearing completion. Crew encountering difficult site conditions e.g., Meters buried, meters unlocatable, etc. During AMR retrofit works crew encountered approx. 60 commercial water meters that are obsolete or are not compatible to AMR installation. These meters are scheduled to be replaced on completion of the current meter scope of works. All materials for these works have been ordered and to be complete by mid-August’17.</td>
</tr>
<tr>
<td>Shakespeare Street sewer realignment</td>
<td>Des &amp; Proc</td>
<td>93% Design 5% Proc</td>
<td>Schedule</td>
<td>Scheduled Completion Date 30/06/2017</td>
<td>Design review workshop and SID workshop conducted, resulting in minor changes to design drawings and documentation. The recommended alignment through the affected properties has a number of constraints and construction works expected to commence in the 17-18 FY. Revised design drawings received. Wayleave Agreement letters have been finalised and mailed to homeowners and Body Corps. Procurement documentation is being compiled for issue to MRC Contractors.</td>
</tr>
<tr>
<td>Mt Pleasant Reservoir No. 1 Refurbishments</td>
<td>Con</td>
<td>30%</td>
<td>Schedule</td>
<td>Scheduled Completion Date 30/06/2017</td>
<td>Approximately 50% of drumpty vender has been removed; Mary broken Postioning Wires evident; a revised methodology to make appropriate repairs has been agreed with Contractors. With more damaged wires being found than initially expected, there is potential for costs to exceed budget. This will be monitored as works progress. There have been three incidents on the site. The Contractors have been proactive in their notifications and in addressing these incidents, though the works will continue to be monitored closely to ensure safety remains a priority.</td>
</tr>
</tbody>
</table>
### Engineering & Commercial Infrastructure

**Monthly Review > June 2017**

<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>Mirani Storage</td>
<td>Plan / Deed</td>
<td>50%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: 30/06/2016</td>
<td>Meeting has been held with landowner to resolve outstanding issues. This aspect of the project has taken longer than originally estimated. Quotes have been received for the remaining design scope, though finalisation of the scope and awarding of the remaining design work is reliant on having a final dam location. The current schedule has construction commencing mid-2018.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Issues/ Risk</td>
<td>Original Budget: $1,456,200</td>
<td></td>
</tr>
</tbody>
</table>
5.1. Drinking Water Compliance
Safe Water supplies are provided in accordance with the requirements of the Water Supply Safety and Reliability Act and are measured against the Australian Drinking Water Quality Guidelines. Drinking Water samples are taken at the outlet of Water Treatment Plants and within the reticulation network. A summary of the performance is detailed below.

**Health Parameter Test Results**
- Eton Reticulation samples for Selenium above 10 µg/L but below 15µg/L (limit of 15µg/L). Measured values were between 11 - 13µg/L.

**Aesthetic Parameter Test Results**
- Eton and Kurnals continue to have high hardness levels (>200 mg/L; range 330 to 430).
5.2. Wastewater Compliance
The discharges from wastewater treatment facilities are regulated by Development Approvals issued by the Department of Environment and Resource Management. The licence requirements differ based on the time the Development Approval was issued and the receiving environment associated with any discharges.

![Wastewater Test Results]

All waste water testing for this period was compliant, except for an exceedance of faecal coliforms at Mirani on 13 June 2017.

Please note some results as at 30 June are still to be released.

Data is 30 June 2017

5.3. Backflow Testing
Backflow devices are installed on water services where there is a risk that water could return from a private property back into the Water Reticulation network. The requirement for backflow devices is regulated in accordance with the Standard Plumbing and Drainage Regulation.

![Backflow Testing Chart]

13 new devices were registered in June 2017.

Data is 30 June 2017
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERVIEW</td>
<td>3</td>
</tr>
<tr>
<td>SAFETY</td>
<td>4</td>
</tr>
<tr>
<td>1.1 Incidents and Injuries</td>
<td>4</td>
</tr>
<tr>
<td>1.2 Lost time Injuries &amp; Days Lost</td>
<td>4</td>
</tr>
<tr>
<td>FINANCE</td>
<td>5</td>
</tr>
<tr>
<td>2.1 Capital Expenditure</td>
<td>5</td>
</tr>
<tr>
<td>2.2 Operational Financial Report - 1 June 2016 - 30 June 2017</td>
<td>6</td>
</tr>
<tr>
<td>MAINTENANCE ACTIVITIES</td>
<td>7</td>
</tr>
<tr>
<td>3.1 Road and Drainage Maintenance Activities</td>
<td>7</td>
</tr>
<tr>
<td>3.2 Unsealed Road Maintenance Activities</td>
<td>7</td>
</tr>
<tr>
<td>3.3 Open Drainage Maintenance</td>
<td>7</td>
</tr>
<tr>
<td>3.4 Timber Bridge Management</td>
<td>8</td>
</tr>
<tr>
<td>CLIENT SURVEYS</td>
<td>8</td>
</tr>
<tr>
<td>4.1 Requests for Maintenance Work</td>
<td>8</td>
</tr>
<tr>
<td>PROJECTS</td>
<td>11</td>
</tr>
<tr>
<td>5.1 Significant Projects</td>
<td>8</td>
</tr>
</tbody>
</table>
OVERVIEW

This report is for Transport and Drainage activities for the month of June 2017. Significant items in this period include:

- There continues to be a strong focus on safety with no LTIs being recorded for the full financial year.
- The Transport & Drainage Advisory Board Meeting was held on the 5 June 2017 with a number of business cases presented and reviewed.
- Timber Bridge Rehabilitation - (3) Timber rehabilitation projects have been completed in the Eungella Ares, Credton Loop Road (Credton Creek) Cathay Creek Road No. 1 (Broken River), and Cathay Creek Bridge No. 2 (Woodlands) Council is currently planning and scoping an additional (9) timber bridges on the network and is continuing to work closely with Pitt & Sherry.
- NDRRA - Council has received several approved packages from the GRA and have commenced working on delivery method to best deliver these works.
- The final position on the capital delivery program is dependent on end of financial year accruals, but at present approximately 88% of the program was delivered against the amended budget. A more detailed assessment of the capital delivery performance will be presented back to Council in August.
1.1. Incidents and Injuries
The incident statistic details a summary of the Transport and Drainage safety incident performance. Transport and Drainage aspires to achieve zero harm with a stretch target of zero injuries.

There were 7 incidents reported during June 2017:
1. Back pain felt while using pole saw.
2. Using lawn mower and object flew out hitting window.
3. Sweeping gutters when object was caught and hit bumper.
4. Sweeping footpath; raise part of footpath caught hose on underside of vehicle.
5. Cutting pipe with grinder; disc broke when it jammed; piece of disc struck lower arm, causing minor abrasion.
6. Two (2) incidents involving a hand being cut while removing guide posts.
Data as at 30 June 2017

1.2. Lost time Injuries & Days Lost
Transport and Drainage aspires to achieve zero Lost Time Injuries by improving safety performance by developing a proactive safety culture and implementing best practice safety management across all business areas.

No Lost Time Injuries were sustained in June 2017.
Data as at 30 June 2017
Engineering & Commercial Infrastructure
Monthly Review > 1 June 2017 to 30 June 2017

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Operations</td>
<td>7</td>
<td>12</td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Civil Projects</td>
<td>3</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Technical Services</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Transport &amp; Drainage</td>
<td>10</td>
<td>182</td>
<td>4</td>
<td>11</td>
<td>233</td>
</tr>
</tbody>
</table>

**FINANCE**

2.1. Capital Expenditure

88% of the current budget is forecast to be expended. Delays to land acquisition and the start of the Glenella road project have reduced the overall expenditure.
2.2. Operational Financial Report - 1 July 2016 - 30 June 2017

<table>
<thead>
<tr>
<th>Operating Result</th>
<th>A/YD Budget</th>
<th>Y/T E Budget</th>
<th>Y/TD Actual</th>
<th>Y/TD Variances</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.11 - Engineering/Management</td>
<td>471,594</td>
<td>464,391</td>
<td>472,888</td>
<td>21,297</td>
<td>191%</td>
</tr>
<tr>
<td>5.62 - Civil Operations</td>
<td>19,210,993</td>
<td>19,909,626</td>
<td>17,818,319</td>
<td>1,122,822</td>
<td>57%</td>
</tr>
<tr>
<td>5.63 - Technical Services</td>
<td>4,984,294</td>
<td>4,861,013</td>
<td>4,527,257</td>
<td>331,587</td>
<td>50%</td>
</tr>
<tr>
<td>5.65 - Civil Projects</td>
<td>255,165</td>
<td>257,845</td>
<td>253,710</td>
<td>4,636</td>
<td>14%</td>
</tr>
<tr>
<td>5.66 - M/RRA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5.67 - Business Services</td>
<td>369,636</td>
<td>365,792</td>
<td>215,962</td>
<td>151,944</td>
<td>86%</td>
</tr>
<tr>
<td>TOTAL OPERATIONAL</td>
<td>23,083,689</td>
<td>23,150,386</td>
<td>21,594,257</td>
<td>2,910,641</td>
<td>9%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating Result</th>
<th>A/YD Budget</th>
<th>Y/T E Budget</th>
<th>Y/TD Actual</th>
<th>Y/TD Variances</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.11 - Engineering/Management</td>
<td>7,094,115</td>
<td>7,110,230</td>
<td>7,054,866</td>
<td>55,762</td>
<td>97%</td>
</tr>
<tr>
<td>5.62 - Civil Operations</td>
<td>428,055</td>
<td>422,834</td>
<td>262,176</td>
<td>160,661</td>
<td>243%</td>
</tr>
<tr>
<td>5.63 - Technical Services</td>
<td>288,080</td>
<td>284,278</td>
<td>44,967</td>
<td>239,301</td>
<td>16%</td>
</tr>
<tr>
<td>5.65 - Civil Projects</td>
<td>33,115,777</td>
<td>27,081,360</td>
<td>29,042,584</td>
<td>2,961,224</td>
<td>121%</td>
</tr>
<tr>
<td>5.66 - M/RRA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TOTAL CAPITAL</td>
<td>41,134,490</td>
<td>35,822,020</td>
<td>37,083,288</td>
<td>1,940,268</td>
<td>17%</td>
</tr>
</tbody>
</table>

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

Overall, the Transport and Drainage Operational actuals will be under the end of year amended budget largely due to the impacts from Cyclone Debbie. Based on Council’s estimated claim of $3.35m for Counter Disaster Operations and Emergent works, the Queensland Reconstruction Authority (QRA) have made payment in the current financial year however, the final claims still need to be submitted and final approval received. This revenue also assists in the end of year position for Transport and Drainage.

The Transport and Drainage capital expenditure is progressing in line with expected revised YTD target. The current forecast position is for an 88% spend against the amended budget with some final-end of year accruals still to occur. In summary, from a list of over 250 projects there were only 5 not commenced in the financial year due to various reasons. There have been no further adjustments to the March quarterly review forecast carryover of $4.9m for Civil Projects.
3.1 Road and Drainage Maintenance Activities

The following chart details maintenance activities completed during the period as recorded in DeltaS, our electronic Maintenance Management System (MMS).

Maintenance teams have achieved good work results during the period completing a large volume of customer requests and rectifying infrastructure defects identified from inspections.

3.2 Unsealed Road Maintenance Activities

Grading crews have delivered heavy formation grading across the region predominantly in response to customer requests post TC Debbie and in preparation for the crush.

3.3 Open Drainage Maintenance

Mowing and maintenance of the open drainage network has progressed with 22ha being mowed during the period.
3.4 Cyclone Debbie – REPA repairs
The 60 day emergent response period has now closed and submission for damages is in progress. Teams are working closely with QRA to progress and submit

Scoping and delivery method of the Restoration of Essential Public Assets (REPA) component of the unsealed roads is in progress with management working closely with Aurecon and QRA to determine the best delivery method to maximise optimal outcomes.

3.5 Timber Bridge Management
Timber bridge rehabilitation works in the Eungella area are now complete. Additional bridges are being reviewed for rehabilitation, these are to be confirmed post review of report and analysis consultants by Pett & Sherry

CLIENT SURVEYS

4.1 Requests for Maintenance Work
No surveys have been finalised for this period.

PROJECTS

6.1 Significant Projects
Significant Projects are assessed taking into account the Project Cost, the Project Risk and/or Community Interest. The following information was current as of Friday, 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>ORGINAL BUDGET DETAILS</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Acquisition Ferns Gully</td>
<td>Con</td>
<td>7%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: Dec 2017 Original Budget $6.7M (over multiple years)</td>
<td>Civil works has commenced but is progressing slowly. Tender for vegetation works expected to be awarded in July</td>
</tr>
<tr>
<td>PROJECT</td>
<td>PHASE</td>
<td>PHASE % COMPLETE</td>
<td>INDICATORS</td>
<td>ORIGINAL BUDGET DETAILS</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>-----------------------------------</td>
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<td>------------------------------------------------</td>
</tr>
<tr>
<td>Intersection - Malcolmson Street/Charles Hodge Avenue</td>
<td>Con</td>
<td>100%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: June 2017</td>
<td>Works are now complete.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Original Budget: $3.5M</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Issues / Risk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seaforth Port Newry Road</td>
<td>Con</td>
<td>85%</td>
<td>Schedule</td>
<td>Scheduled Completion date: July 2017</td>
<td>Widening of the existing narrow sealed road to the boat ramp. Works are well underway with sealing expected early July.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Original Budget: $1.057M</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Issues / Risk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>East Gordon Street Bridge Rehabilitation</td>
<td>Con</td>
<td>90%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: May 2017</td>
<td>Majority of works are now complete. Clean up and finalisation works to occur.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Original Budget: $1.6M</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Issues / Risk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glenella Connection Road</td>
<td>Con</td>
<td>10%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: Oct 2017</td>
<td>Side track is completed and operational. Excavation of the old road is underway and works are progressing well.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td>Original Budget: $1.9M</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Issues / Risk</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>