

NOTICE OF MEETING

Dear Committee Members

You are requested to attend the following meeting of Council.

ENGINEERING AND INFRASTRUCTURE STANDING COMMITTEE
MEETING OF
ISAAC REGIONAL COUNCIL

TO BE HELD ON
WEDNESDAY, 4 NOVEMBER 2020
COMMENCING AT 9.00AM
COUNCIL CHAMBERS - MORANBAH

GARY STEVENSON PSM

Chief Executive Officer

ROBERT PERNA

Committee Officer

Director Engineering and Infrastructure

Committee Members:

Cr Jane Pickels (Chair)

Mayor Anne Baker

Cr Greg Austen

Cr Sandy Moffat

Cr Gina Lacey

Cr Simon West

LOCAL GOVERNMENT ACT 2009

Local Government Regulation 2012

Chapter 8, Part 2 Local Government Meetings and Committees

Division 1A, Requirements for Local Government Meetings Generally

Section 254J Closed meetings

- (1) A local government may resolve that all or part of a meeting of the local government be closed to the public.
- (2) A committee of a local government may resolve that all or part of a meeting of the committee be closed to the public.
- (3) However, a local government or a committee of a local government may make a resolution about a local government meeting under subsection (1) or (2) only if its councillors or members consider it necessary to close the meeting to discuss one or more of the following matters—
 - (a) the appointment, discipline or dismissal of the chief executive officer;
 - (b) industrial matters affecting employees;
 - (c) the local government's budget;
 - (d) rating concessions;
 - (e) legal advice obtained by the local government or legal proceedings involving the local government including, for example, legal proceedings that may be taken by or against the local government;
 - (f) matters that may directly affect the health and safety of an individual or a group of individuals;
 - (g) negotiations relating to a commercial matter involving the local government for which a public discussion would be likely to prejudice the interests of the local government;
 - (h) negotiations relating to the taking of land by the local government under the [Acquisition of Land Act 1967](#);
 - (i) a matter the local government is required to keep confidential under a law of, or formal arrangement with, the Commonwealth or a State.
- (4) However, a local government or a committee of a local government must not resolve that a part of a local government meeting at which a decision mentioned in [section 150ER](#)(2), [150ES](#)(3) or [150EU](#)(2) of the [Act](#) will be considered, discussed, voted on or made be closed.
- (5) A resolution that a local government meeting be closed must—
 - (a) state the matter mentioned in subsection (3) that is to be discussed; and
 - (b) include an overview of what is to be discussed while the meeting is closed.
- (6) A local government or a committee of a local government must not make a resolution (other than a procedural resolution) in a local government meeting, or a part of a local government meeting, that is closed.

ENGINEERING AND INFRASTRUCTURE

STANDING COMMITTEE MEETING

OF ISAAC REGIONAL COUNCIL

TO BE HELD ON

WEDNESDAY 4 NOVEMBER 2020

COUNCIL CHAMBERS, MORANBAH

1. OPENING OF THE MEETING
2. APOLOGIES
3. DECLARATION OF CONFLICTS OF INTEREST
4. CONFIRMATION OF MINUTES
5. OFFICER REPORTS
6. INFORMATION BULLETIN REPORT
7. GENERAL BUSINESS
8. CONCLUSION

TABLE OF CONTENTS

1. OPENING OF MEETING

2. APOLOGIES

3. DECLARATION OF CONFLICTS OF INTEREST

4. CONFIRMATION OF MINUTES

Engineering and Infrastructure Standing Committee Meeting of Isaac Regional Council held in Council Chambers, Moranbah, commencing at 9.00am on Wednesday 7 October 2020.

5. OFFICER REPORTS

5.1 ENGINEERING AND INFRASTRUCTURE 2020/21 OVERALL CAPITAL PROJECTS PROGRESS REPORT

EXECUTIVE SUMMARY

The purpose of this report is to provide an update to the Engineering and Infrastructure Standing Committee and Council of the progress in delivery of the Engineering and Infrastructure 2020/2021 Capital Works Program.

5.2 ISAAC REGIONAL COUNCIL RECREATIONAL WATER BODIES BLUE-GREEN ALGAE MONITORING AND RESPONSE STRATEGY

EXECUTIVE SUMMARY

Isaac Regional Council manages the recreational water bodies in the region, including Lake Elphinstone and Theresa Creek Dam. Council is therefore responsible for the provision of a safe environment within those areas.

Blue-green algae blooms occur periodically with varying severity on Isaac water bodies and when present, poses a risk to human health. Council is responsible for the provision of a safe environment within the Isaac water bodies recreational areas and therefore must restrict access to water-based activities when there is a potential public health or safety concern.

TABLE OF CONTENTS

The Isaac Regional Council Recreation Water Bodies Blue-Green Algae Management Procedure describes the water quality monitoring program proposed for these recreational areas, together with the proposed response and actions to be implemented by Council to ensure the safety of the public.

6. INFORMATION BULLETINS

6.1 ENGINEERING AND INFRASTRUCTURE DIRECTORATE INFORMATION BULLETIN – NOVEMBER 2020

EXECUTIVE SUMMARY

The Engineering and Infrastructure Directorate Information Bulletin for November 2020 is provided for Committee review.

7. GENERAL BUSINESS

8. CONCLUSION

UNCONFIRMED MINUTES

ENGINEERING AND INFRASTRUCTURE STANDING COMMITTEE MEETING
OF
ISAAC REGIONAL COUNCIL

HELD ON
WEDNESDAY, 7 OCTOBER 2020
COMMENCING AT 9.00AM

ISAAC REGIONAL COUNCIL
UNCONFIRMED MINUTES OF THE
ENGINEERING AND INFRASTRUCTURE
STANDING COMMITTEE MEETING
HELD IN COUNCIL CHAMBERS, MORANBAH
ON WEDNESDAY 7 OCTOBER 2020

Table of Contents	Page
1. Opening	3
2. Apologies	3
3. Declaration of Conflicts of Interest	4
4. Confirmation of Minutes	4
5. Officer Reports	5
6. Information Bulletin Reports	8
7. General Business	9
8. Conclusion	10

ISAAC REGIONAL COUNCIL
UNCONFIRMED MINUTES OF THE
ENGINEERING AND INFRASTRUCTURE
STANDING COMMITTEE MEETING
HELD IN COUNCIL CHAMBERS, MORANBAH
ON WEDNESDAY 7 OCTOBER 2020 COMMENCING AT 9.00AM

ATTENDANCE

Cr Jane Pickels, Division Seven (Chair)
Mayor Anne Baker
Cr Greg Austen, Division One
Cr Sandy Moffat, Division Two
Cr Gina Lacey, Division Three
Cr Viv Coleman, Division Eight (Alternate Member)

OFFICERS PRESENT

Mr Robert Perna, Director Engineering and Infrastructure
Mr Richard Madden, Manager Infrastructure Planning and Technical Services
Mr Sean Robinson, Manager Galilee and Bowen Basin Operations
Mr Niall Tierney, Acting Manager Infrastructure, Parks and Recreation
Ms Brooke Maisey, Acting Manager Brand, Media and Communications
Mrs Kylie Dowd, Executive Assistant
Ms Tori Gordon, Administration Officer
Mrs Nicole Money, Executive Assistant

1. OPENING

The Chair declared the meeting open at 9.00am and acknowledged the traditional custodians of the land on which we meet today and paid her respects to their Elders past, present and emerging.

Mayor Anne Baker was not present at the commencement of the meeting.

2. APOLOGIES

The Committee received an apology from Cr Simon West.

MEETING MINUTES

Resolution No.: E&I0428

Moved: Cr Gina Lacey

Seconded: Cr Sandy Moffat

That the Engineering and Infrastructure Standing Committee accepts the apology received from Cr Simon West.

Carried

Resolution No.: E&I0429

Moved: Cr Sandy Moffat

Seconded: Cr Gina Lacey

That the Engineering and Infrastructure Standing Committee accepts Cr Viv Coleman as an alternate member.

Carried

3. DECLARATION OF CONFLICTS OF INTEREST

No conflict of interest declared this meeting.

4. CONFIRMATION OF MINUTES

Engineering and Infrastructure Standing Committee Meeting of Isaac Regional Council held in Council Chambers, Moranbah commencing at 8.30am on Wednesday 9 September 2020.

Resolution No.: E&I0430

Moved: Cr Gina Lacey

Seconded: Cr Sandy Moffat

That the minutes from the Engineering and Infrastructure Standing Committee meeting held in Council Chambers, Moranbah on Wednesday 9 September 2020 are confirmed.

Carried

5. OFFICERS REPORTS

ATTENDANCE

Mayor Anne Baker joined the meeting at 9.27am

Mr Gordon Robertson, Manager Corporate Properties and Fleet entered the meeting room at 9.27am

5.1 Engineering and Infrastructure 2020/2021 Overall Capital Projects Progress Report

EXECUTIVE SUMMARY

This report is to provide an update to the Engineering and Infrastructure Standing Committee and Council of the progress in delivery of the Engineering and Infrastructure 2020/21 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. *Receive and notes the monthly Engineering and Infrastructure 2020/21 Capital Works Program Progress report and 2020/ 21 Overall Capital Project Progress spreadsheet.*

Resolution No.: E&I0431

Moved: Cr Viv Coleman

Seconded: Cr Gina Lacey

That the Committee recommends that Council:

1. **Receive and notes the monthly Engineering and Infrastructure 2020/21 Capital Works Program Progress report and 2020/21 Overall Capital Project Progress spreadsheet.**

Carried

5.2 Motor Vehicle Policy

EXECUTIVE SUMMARY

This report seeks endorsement from Council to consider the policy relating to Motor Vehicles and proposed amendments.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. **Adopts amended "Motor Vehicle Policy" (CORP-POL-034**

Resolution No.: E&I0432

Moved: Cr Gina Lacey

Seconded: Cr Sandy Moffat

That the Committee recommends that Council:

1. Adopts amended “Motor Vehicle Policy” (CORP-POL-034) subject to amendment to wording under heading Prohibitions, Section C.

Carried

5.3 20/21 Engineering and Infrastructure Procurement Plan – Proposed Changes to Capital Works Rural Resheeting Program

EXECUTIVE SUMMARY

This report seeks approval to vary the scope of works for the 2020/21 Rural Resheeting Program based on emerging needs.

OFFICER’S RECOMMENDATION

That the Committee recommends that Council:

1. *Endorses changes to the scope of works for current 2020/21 Rural Resheeting Program as follows:*

Original Scope location (to be removed)	Proposed New Location
Mackenzie Creek Road Ch 25 to Ch 32 Total length of Works – 7km	Valkyrie Road Ch 0 to Ch 6.56km Total length of Works – 6.56km
Lotus Creek Road Ch 6 to Ch 13 Total length of Works – 7km	Glenavon Road Ch 4 to Ch 8 Total length of Works – 4km

MEETING MINUTES

Resolution No.: E&I0433

Moved: Cr Viv Coleman

Seconded: Cr Gina Lacey

That the Committee recommends that Council:

- Endorses changes to the scope of works for current 2020/21 Rural Resheeting Program as follows:**

Original Scope location (to be removed)	Proposed New Location
Mackenzie River Capella Road Ch 25 to Ch 32 Total length of Works – 7km	Valkyrie Road Ch 0 to Ch 6.56km Total length of Works – 6.56km
Lotus Creek Road Ch 6 to Ch 13 Total length of Works – 7km	Glenavon Road Ch 4 to Ch 8 Total length of Works – 4km

Carried

ATTENDANCE

Cr Viv Coleman left the meeting room at 10.08am

5.4 Amendment of the 2020/21 Engineering and Infrastructure Procurement Plan – Proposed Changes to Capital Works Program for Saraji Road Pavement Rehabilitation

EXECUTIVE SUMMARY

This report seeks approval from Council to re allocate Roads to Recovery (R2R) funding savings from Huntley Road to increase the scope of works along Saraji Road.

OFFICER'S RECOMMENDATION

That the Committee recommend that Council:

- Notes the transfer of the funding source for several pavement repair locations along Huntley Road from Roads to Recovery (R2R) to Disaster Funding Relief Arrangements (DFRA) reducing the quantity of repairs that need to be funded under the R2R funding program.***
- Approves the reallocation of \$391K of Roads to Recovery (R2R) funds nominated for Huntley Road under the Rural Pavement Rehabilitation project number CW212891 to extend the scope of works for project CW212892 Saraji Road Rehabilitation.***

Resolution No.: E&I0434

Moved: Cr Gina Lacey

Seconded: Cr Greg Austen

That the Committee recommend that Council:

1. Notes the transfer of the funding source for several pavement repair locations along Huntley Road from Roads to Recovery (R2R) to Disaster Funding Relief Arrangements (DFRA) reducing the quantity of repairs that need to be funded under the R2R funding program.
2. Approves the reallocation of \$391K of Roads to Recovery (R2R) funds nominated for Huntley Road under the Rural Pavement Rehabilitation project number CW212891 to extend the scope of works for project CW212892 Saraji Road Rehabilitation.

Carried

6. INFORMATION BULLETIN REPORTS

ATTENDANCE

Cr Viv Coleman returned to the meeting room at 10.11am

Mayor Anne Baker left the meeting at 10.24am and returned to the meeting at 10.31am

Cr Gina Lacey left the meeting at 10.37am and returned to the meeting at 10.39am

Mayor Anne Baker left the meeting at 10.40am and returned to the meeting at 10.45am

6.1 Engineering and Infrastructure Information Bulletin – October 2020

EXECUTIVE SUMMARY

The Engineering and Infrastructure Directorate Information Bulletin for October 2020 is provided for Committee review.

OFFICER'S RECOMMENDATION

That the Committee recommends to Council to:

1. *Note the Engineering and Infrastructure Directorate Information Bulletin for October 2020.*

Resolution No.: E&I0435

Moved: Cr Greg Austen

Seconded: Cr Gina Lacey

That the Committee recommends to Council to:

1. Note the Engineering and Infrastructure Directorate Information Bulletin for October 2020.

Carried

ATTENDANCE

Cr Greg Austen left the meeting room at 10.54am and returned at 10.55am.
Cr Gina Lacey left the meeting room at 11.03am and did not return to the meeting.
Cr Lyn Jones entered the meeting room at 11.05am

7. GENERAL BUSINESS

7.1 Resource Communities Infrastructure Funding

Director Engineering and Infrastructure raised for discussion the nomination of Phillips Creek Bridge and Moranbah Community Centre as the priority projects for the resource communities infrastructure funding, however if these projects are funded by the State Government then alternate projects should be nominated for funding.

The Committee put forward the Moranbah Fatigue Accommodation Project as the next priority for funding.

7.2 Red Bench Project

Cr Sandy Moffat raised the Red Bench Project with the Committee regarding the proposal for Dysart Shopping Complex.

Discussion held regarding the process of installation and painting of the benches and level of involvement of Mayor and Councillors. The involvement of Councillors will be discussed at the Strategic Planning Day with a decision provided to Director Engineering and Infrastructure.

ACTION: MAYOR AND COUNCILLORS

7.3 Regional Skills Program

Manager Galilee and Bowen Basin Operations updated the Committee on the Regional Skills Program being held.

7.4 Hutt Creek and Scrubby Creek Funding

Cr Viv Coleman requested an update on the Hutt Creek and Scrubby Creek funding approval

ACTION: DIRECTOR ENGINEERING AND INFRASTRUCTURE

7.5 Updates to RAAG Committee

Cr Viv Coleman queried the processing for updating the E&I Committee on updates and outcomes out of the RAAG Committee Meetings.

Cr Pickels requested an update from the RAAG Committee on the Rest Areas with a response to be brought back to the next E&I Standing Committee Meeting by Cr Viv Coleman.

MEETING MINUTES

7.6 Recognition

Director Engineering and Infrastructure acknowledged and thanked Mrs Sonja Swanton for her efforts in the Engineering and Infrastructure Directorate as Acting Executive Assistant and welcomed Mrs Kylie Dowd, Executive Assistant to Director Engineering and Infrastructure.

Cr Viv Coleman acknowledged Mr Nic Crous and Mr Luke Logan for the time and involvement with the Coastal recreation areas.

8. CONCLUSION

There being no further business, the Chair declared the meeting closed at 11.18am.

These minutes were confirmed by the Committee at the Engineering and Infrastructure Standing Committee Meeting held in Moranbah on Wednesday 4 November 2020.

.....
CHAIR

..... / /
DATE

MEETING DETAILS

Engineering and Infrastructure Standing Committee
Wednesday 4 November 2020

AUTHOR

Robert Perna

AUTHOR POSITION

Director Engineering and Infrastructure

5.1 ENGINEERING AND INFRASTRUCTURE 2020/2021 CAPITAL PROJECTS PROGRESS REPORT

EXECUTIVE SUMMARY

This report is to provide an update to the Engineering and Infrastructure Standing Committee and Council of the progress in delivery of the Engineering and Infrastructure 2020/2021 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receive and notes the monthly Engineering and Infrastructure 2020/2021 Capital Projects Progress Report**
- 2. Receive and notes works awarded under the 2020/2021 Engineering and Infrastructure Procurement Plan**
- 3. Receive and notes the 2020/2021 Engineering and Infrastructure Procurement Plan Report (detailing local contractor content)**

BACKGROUND

Progressive updates of the financial and physical position of projects in the 2020/ 2021 Engineering and Infrastructure (E&I) Capital Works program are required to ensure that Council is aware of the progress of and risk to the delivery of the program.

Engineering and Infrastructure has undertaken to report local content in contracts awarded through the Procurement plan.

IMPLICATIONS

The attached E&I 2020/ 2021 Capital Projects Progress Summary spreadsheet identifies the financial and physical position of all projects. A red flag indicates either a time or budget issue, yellow indicates the projects is of concern and green indicates no issues. Commentary is provided to briefly explain the position of projects. Where the risk is considered low or of insignificant impact to council or community no additional commentary is provided. Where risks are significant separate commentary is provided in the E&I Issues Report.

Compliance

To ensure that the Engineering and Infrastructure 2020/ 2021 Capital Works Program is achieved within the identified timeframes of the 2020/ 2021 financial year.

Per Resolution number 6763 (2020/ 2021 Engineering and Infrastructure Strategic Procurement Plan), the activities of the previous month's procurement Plan under the Chief Executive Officer's delegation will be noted in this report.

Benefits

Council can see a monthly progress report detailing progress of projects in the Engineering and Infrastructure 2020/ 2021 Capital Program. This report communicates risks/failure/delays that have been identified within the Engineering and Infrastructure 2020/ 2021 Capital Works program.

CONSULTATION

- Director Engineering and Infrastructure
- Manager Infrastructure Planning and Technical Services
- Manager Corporate Properties and Fleet
- Manager Infrastructure, Parks and Recreation
- Manager Galilee and Bowen Basin Operations
- Department Coordinators

BASIS FOR RECOMMENDATION

To improve business within Council Engineering and Infrastructure directorate by providing more appropriate and relevant reporting, transparency and a clear monitoring tool for Council. This report will help identify and communicate any project delays or possible project failures.

ACTION ACCOUNTABILITY

That the Managers and the Director of Engineering and Infrastructure oversee the scoping, procurement and the completion of the projects identified within the 2020/ 2021 Capital Projects Progress Summary spreadsheet. Furthermore, that the appropriate Managers and the Director of Engineering and Infrastructure are held accountable for the delivery of these project stages are completed within the identified timeframes.

KEY MESSAGES

That Council has open communication, oversight and transparency of the Engineering and Infrastructure 2020/ 2021 Capital Works Program, to ensure Isaac will have effective and sustainable infrastructure that supports the needs of the region's communities and economic sectors.

Report prepared by:

ROBERT PERNA
Engineering and Infrastructure

Date: 28 October 2020

Report authorised by:

GARY STEVENSON PSM
Chief Executive Officer

Date: 29 October 2020

ATTACHMENTS

- CONFIDENTIAL Attachment 1 – 2020/ 2021 Capital Project Progress Summary Spreadsheet
- CONFIDENTIAL Attachment 2 – Works awarded under the 2020/ 2021 Engineering and Infrastructure Procurement Plan

REFERENCE DOCUMENT

- Nil

PAGES 19 TO 22 HAVE INTENTIONALLY BEEN REMOVED DUE TO CONFIDENTIAL REASONS

MEETING DETAILS	Engineering and Infrastructure Standing Committee Wednesday 4 November 2020
AUTHOR	Nic Crous
AUTHOR POSITION	Manager Parks and Recreation

5.2 ISAAC REGIONAL COUNCIL RECREATIONAL WATER BODIES BLUE-GREEN ALGAE MONITORING AND RESPONSE STRATEGY

EXECUTIVE SUMMARY

Isaac Regional Council manages the recreational water bodies in the region, including Lake Elphinstone and Theresa Creek Dam. Council is therefore responsible for the provision of a safe environment within those areas.

Blue-green algae blooms occur periodically with varying severity on Isaac water bodies and when present, poses a risk to human health. Council is responsible for the provision of a safe environment within the Isaac water bodies recreational areas and therefore must restrict access to water-based activities when there is a potential public health or safety concern.

The Isaac Regional Council Recreation Water Bodies Blue-Green Algae Management Procedure describes the water quality monitoring program proposed for these recreational areas, together with the proposed response and actions to be implemented by Council to ensure the safety of the public.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Endorse the Recreational Water Bodies Blue-Green Algae monitoring and response strategy**
- 2. Adopt the procedure to implement the monitoring and response process**

BACKGROUND

Isaac Regional Council (IRC) permits water-based recreational activities at Theresa Creek Dam and Lake Elphinstone. Council thus has an obligation to ensure that these water bodies are safe for use.

Blue-green algae (Cyanobacteria) are a microscopic, algae-like bacteria which inhabit freshwater, coastal and marine waters, including Lake Elphinstone. Blooms of blue-green algae reoccur annually, persisting for extended periods when conditions are favourable and can pose significant risks to human health due to the presence of toxins.

Council uses the Australian guidelines and protocols to assist it in protecting recreational users from the risks of blue-green algae exposure and therefore proposes the implementation of a water quality monitoring program. The monitoring program advocates set actions and responses (dependant on the level of severity)

to protect user groups from harm. Actions, consisting of three alert levels will restrict water-based activities when algae toxin levels indicate a health risk.

Communities and user groups will be kept informed via signage and safety notices in appropriate locations, as well as websites and social media. Water body closure notices will come into effect and primary water contact will be restricted when blue-green algae toxin concentrations reach trigger levels.

It should be noted that a blue-green algae management is being developed for drinking water sources in the Isaac region. This recreational water bodies blue-green algae monitoring procedure does not conflict with the aforementioned document.

IMPLICATIONS

The adoption of the IRC Recreation Water Bodies Blue-Green Algae monitoring and response strategy will alert the water-based recreational user groups and general public to the presence of potentially harmful algae at the given locations and provide information to keep the community safe.

Potential visitors will be able to access information upfront in order to plan a visit or not.

CONSULTATION

- Compliance and Integration Manager, Community Education and Compliance
- Manager Economy and Prosperity
- Process Engineer, Water and Waste

BASIS FOR RECOMMENDATION

The monitoring program will safeguard user groups and the community against the potentially harmful effects of blue-green algae toxins.

ACTION ACCOUNTABILITY

The Community Education and Compliance and Parks and Recreation Services departments will ensure the implementation of the monitoring and provision of public information.

KEY MESSAGES

The adoption of a recreation water bodies blue-green algae monitoring and response strategy will help to keep the Isaac community and water-based recreational visitors safe from harmful effects of toxic algae.

Report prepared by:

NIC CROUS

Manager Parks and Recreation

Date: 12 October 2020

Report authorised by:

ROBERT PERNA

Director Engineering and Infrastructure

Date: 22 October 2020

ATTACHMENTS

- Attachment 1 – Isaac Regional Council Blue-Green Algae in Recreational Water Bodies Monitoring and Response Strategy

REFERENCE DOCUMENT

Nil

BLUE-GREEN ALGAE IN RECREATIONAL WATER BODIES MONITORING AND RESPONSE STRATEGY

ISAAC REGIONAL COUNCIL

Current as at 18.08.2020

Presented by **Engineering and Infrastructure**



TABLE OF CONTENTS

INTRODUCTION	4
About blue-green algae	4
Contributing factors to growth	4
Future climate change	5
Helping to prevent blue-green algal blooms	5
Algal blooms in our lakes	6
Recreation at Isaac lakes	7
Monitoring blue-green algae	8
Alert levels for recreation	8
Restricting lake access for water-based recreational activities	9
Recovery	11
Keeping our communities informed	11
Appendix A – Operational procedure	12

ISAAC REGIONAL COUNCIL RECREATION WATER BODIES BLUE-GREEN ALGAE MANAGEMENT PROCEDURE

APPROVALS

PROCEDURE NUMBER	Insert	DOC. ID	Insert
DATE EFFECTIVE	Insert		
PROCEDURE OWNER:	Insert		
APPROVED BY THE DIRECTOR	Insert – Position titles		
ENDORSED BY	Insert		
POLICY REFERENCE NUMBER	Insert		

////////////////////////////////////

INTRODUCTION

Isaac Regional Council (IRC) is responsible for the management of the recreational water bodies in the Isaac region and the provision of a safe and secure environment within those areas.

Our challenge is to balance community access within the realms of ensuring that these water bodies are of a suitable quality for use (and noting the other essential role that Theresa Creek Dam plays in providing water for processing into quality drinking water for Clermont and surrounds).

Public safety is our priority. We take a proactive and conservative approach to safety at our recreation areas, restricting access to water-based activities when there is a potential public health or safety concern due to microbial risks or the presence of cyanobacterial toxins.

Cyanobacteria (commonly referred to as blue-green algae) are naturally occurring organisms, can exist in both salt and fresh water, and are an important part of a healthy ecosystem, performing functions such as photosynthesis, nitrogen fixation and nutrient cycling in the food chain. Blue-green algae are also sometimes used to grow food, make fertilisers and convert solar energy.

Despite their beneficial functions, blue-green algae can sometimes pose significant risks to human health and our lifestyle by producing toxins and odorous compounds.

Several guidelines and protocols are in place to help water authorities protect recreational users from risks related to blue-green algae exposure, including the:

- *Australian Drinking Water Guidelines*
- *Australian Guidelines for Water Quality Monitoring and Reporting, and*
- *Guidelines for Managing Risks in Recreational Water and Management Strategies for Cyanobacteria (blue-green algae): a guide for Water Utilities. Seqwater's Cyanobacterial Management*
- *Guidelines for Managing Risks in Recreational Water, National Health and Medical Research Council, 2018*

ABOUT BLUE-GREEN ALGAE

Fresh water blue-green algae are photosynthetic and have unique characteristics that enable them to dominate their environment under favourable water conditions.

They can be a single cell, an aggregation of cells (colonial), a solitary filament (or thread) or filament clumps. Some species are also capable of nitrogen fixation (which makes them very important in the nitrogen cycle), and many can regulate their buoyancy to take advantage of optimal light and nutrient conditions. Toxic strains may be resistant to being eaten by their competitors.

CONTRIBUTING FACTORS TO GROWTH

Blue-green algae can bloom quickly under the right environmental conditions, when there is abundant sunlight, warm temperatures, still water and enough levels of nutrients, especially nitrogen and phosphorus.

Nutrients are either naturally present in sediments or are washed into the lake from the surrounding catchment (agriculture, sewage effluent and stormwater run-off). Trapped sediments in lakes can provide an ongoing source of nutrients for repeated algal growth. Other contributing factors may include the number of aquatic animals in the lake that eat algae, and heavy rainfall.

WEATHER:

Periods of warm, sunny days with light winds are most favourable for cyanobacterial growth, although high levels of blue-green algae are known to persist through winter.

VISIBLE AND INFRARED LIGHT:

Still and stagnant water bodies are great for algae growth. Algae absorb the sunlight they need to grow and make their own food. In lakes, stratification of the water is common during the spring, summer and autumn months. This usually means warm water in the top layer of the lake and cold water at the bottom. Clear, calm and warm conditions mean the light and heat from the sun can penetrate deeper into the water, creating a large area for growth above what is called a thermocline. A thermocline occurs when heat from the sun warms the surface layers of a water storage, which then changes the water's buoyancy and results in an abrupt temperature gradient as the warm surface layer floats on top of the cooler, denser bottom water. This commonly occurs at depths from several metres to 20 metres.

NUTRIENT LEVELS:

Many lakes and waterways are enriched with naturally and anthropogenic (human) derived sources of nitrogen and phosphorus, which aid algae growth. The greater the levels of nutrients dissolved in the water, the greater the probability of algal blooms forming. Recent research indicates that higher nutrient levels may favour the preferential growth of toxic strains of cyanobacteria, over non-toxic strains.

ALGAE PREDATOR NUMBERS:

Zooplankton, crustaceans, mussels, and aquatic insects all eat algae. If water quality is poor and the number of these animals drops, there is less grazing pressure on the algae. Algae may grow in large numbers in the absence of predators.

RAINFALL:

Moderate to severe rainfall events can remove nutrient-rich topsoils and materials from the catchments, depositing them in the streams and rivers of the upper catchment, where there are no or limited riparian buffers. This sediment transport provides a nutrient source which increases the risk of algal blooms.

FUTURE CLIMATE CHANGE

Future climate variability, such as higher temperatures and changes in rainfall patterns, is predicted to affect several parameters that impact algal populations. It has been suggested that measurable increases in global air temperature, coupled with increased fluxes of nutrients from agricultural run-off, stormwater, or sewage treatment plants and other anthropogenic (human) sources, favour the growth of cyanobacteria, including toxin-producing taxa. Higher water temperatures are predicted to have a direct positive effect on blue-green algae growth rates by strengthening and intensifying water stratification and giving blue-green algae populations a competitive advantage over other species. Rainfall events are predicted to occur at higher frequencies and intensities, with longer periods of drought between events.

The increasing number and duration of blooms is an emerging human and environmental health concern.

HELPING TO PREVENT BLUE-GREEN ALGAL BLOOMS

As a community, we can help prevent blue-green algal blooms by limiting the amount of nutrients in the water and promoting ecological health. Detergents and fertilisers contain a high concentration of nitrogen and phosphorus, so we can all play our part by:

- preventing nutrients from washing into roadside drains that flow into local waterways, e.g. by washing the car on the lawn rather than on the road
- using phosphorus-free detergents

- reducing the use of fertilisers where possible
- helping to rehabilitate waterways
- preventing land erosion, where possible, to stop soil washing into waterways.

ALGAL BLOOMS IN OUR LAKES

Across Queensland, it is expected that blue-green algal blooms will reoccur every year with varying severity. They can persist for weeks, months and even an entire season if conditions are favourable.

Blue-green algal blooms, and, potentially toxic species, can pose significant risks to human health through the production of toxins. The dominant species during bloom events in nearly all freshwater bodies is *Microcystis aeruginosa*, *Anabaena circinalis*, *Cylindrospermopsis raciborskii*, and *Aphanizomenon ovalisporum*.

BLUE-GREEN ALGAE TOXINS

Blue-green algae can produce toxins (known as cyanotoxins) which affect people and animals that swim in, drink from, inhale aspirated sprays of, or come into contact with contaminated water.

In the natural environment, toxins are generally contained within the blue-green algal cell but are released into the water when cells are damaged or die.

Cyanotoxins can be classified into four families according to the organs on which they act:

- neurotoxins (nervous system)
- hepatotoxins (liver)
- cytotoxins (several organs: liver, kidneys, adrenal glands, small intestine)
- endotoxins (irritant toxins).

NEUROTOXINS:

These toxins are more common in New Zealand river systems. They act as neuromuscular blocking agents and can cause death by paralysing peripheral skeletal muscles, then respiratory muscles, which leads to respiratory arrest. Neurotoxins are produced by species of *Aphanizomenon*, *Dolichospermum*, *Nostoc* and *Oscillatoria*.

HEPATOTOXINS:

These are the most common of the blue-green algae toxins. They attack the liver and other internal organs. Common symptoms of exposure include visual disturbances, gastroenteritis, nausea, vomiting and muscle weakness. They can be produced by such species as *Cylindrospermopsis*, *Dolichospermum*, *Microcystis*, *Nodularia*, and *Oscillatoria* and are slower acting than neurotoxins.

CYTOTOXINS:

The alkaloid cylindrospermopsin is known as a general cytotoxin that blocks protein synthesis in mammal cells. The protein blocking can occur in multiple organ systems including the liver, kidney, gastrointestinal tract, heart, spleen, thymus and skin. They can be produced by such species as *Aphanizomenon*, *Cylindrospermopsis*, *Dolichospermum*, *Raphidiopsis* and *Umezakia*.

ENDOTOXINS:

The outer walls of all blue-green algae contain lipopolysaccharides, which can act as a contact irritant and cause severe dermatitis and conjunctivitis in people coming into contact with the algae through swimming or water spray. They have also been known to cause nausea, stomach cramps, fever and headaches. If swallowed, they may irritate airways and cause breathing difficulties.

In nearly all freshwater bodies, the dominant species during bloom events is *Microcystis aeruginosa*, *Anabaena circinalis*, *Cylindrospermopsis raciborskii*, and *Aphanizomenon ovalisporum*.

IRC will maintain a broad toxin screening program to monitor emergent cyanobacteria and their associated toxins.

RECREATION AT ISAAC LAKES

Key themes in councils operational plan relate to:

- COMMUNITIES - Isaac will have resilient, connected and diverse communities whose lifestyles and wellbeing are supported and whose regional identity is cherished.
- ENVIRONMENT - Isaac will have an appropriate and sustainable balance between environment, economy and community to ensure our natural resources are sustainably managed and protected.

A range of recreational activities at certain Isaac water bodies, such as Lake Elphinstone and Theresa Creek Dam comply with these themes.

PRIMARY AND SECONDARY CONTACT RECREATION

Water-based recreation activities are classed as primary contact (in-water) or secondary contact (on-water):

• **Primary** contact (in-water) recreation involves water contact activities where the whole body, face and/or trunk is frequently immersed; or where the face is constantly being sprayed; or where it is likely that some water will be swallowed, inhaled, or come into contact with the skin, ears, eyes, mouth and nose (e.g. swimming, water-skiing, jet-skiing, tubing).

• Secondary contact (on-water) recreation involves incidental water contact activities in which only the limbs are regularly wet, and greater contact with water (including swallowing) is unusual (e.g. boating, fishing, rowing, kayaking or canoeing with no intent to capsize or submerge). There may be the occasional and inadvertent immersion through accidents (e.g. slipping into the water, accidentally capsizing from a rowing or sailing craft).



Predominant IRC water bodies – Lake Elphinstone in the north and Theresa Creek Dam in the south.

MONITORING BLUE-GREEN ALGAE

Isaac Regional Council has implemented a water quality monitoring program, which was developed for the region's conditions, considering state and national advisories. We are committed to better understand blue-green algal blooms and their toxins.

We are also working to improve the health of our water bodies and catchments by reducing nutrient and sediment input from the surrounding land and improving ecosystem function. We regularly monitor our water storages for algal blooms and restrict water-based activities when algae toxin levels indicate a health risk. We make this assessment through toxin testing— analysing the amount of toxins which have dissolved in the water—and use toxin concentration as the primary indicator for health risks.

It is important to note that the presence of scum takes priority over reported cyanotoxin levels. When scum risk is identified as medium and low, priority is given to toxin concentration levels for recreational lake management. Research has shown that toxin production may vary from week to week during a bloom, depending on the dominant species and the amount of cell death and toxin release.

ALERT LEVELS FOR RECREATIONAL USE

Blue-green algae alert levels describe an established cyanobacterial population, and the toxin concentration levels in the water bodies that pose health risks for people who swim, ski, boat and fish at those locations.

Trigger	Alert Level
<p>≥500 to <5000 cells/mL <i>M. aeruginosa</i></p> <p>or biovolume equivalent of >0.04 to <0.4 mm³/L for the combined total of all cyanobacteria.</p>	Green
<p>≥5000 to <50 000 cells/mL <i>M. aeruginosa</i></p> <p>or biovolume equivalent of ≥0.4 to <4 mm³/L for the combined total of all cyanobacteria where a known toxin producer is dominant in the total biovolume</p>	Amber
<p>≥50 000 cells/mL toxic <i>M. aeruginosa</i></p> <p>or biovolume equivalent of ≥4 mm³L for the combined total of all cyanobacteria where a known toxin producer is dominant in the total biovolume.</p>	Red
The presence of Algal Scum	The presence of Algal Scum will be treated as a priority trigger and the Red Alert Level will be engaged immediately.

RESPONSE AND ACTIONS

When alert levels for the presence of cyanobacterial levels have been triggered, Isaac Regional Council will implement the following actions and responses to protect the user groups.

Alert Level	
Green	Advisory signs set to Green Routine monthly sampling to measure cyanobacterial levels.
Amber	Advisory signs set Amber Investigations into the causes of the elevated levels and fortnightly sampling to enable the risks to recreational users to be more accurately assessed. No Primary contact (in water) activities Secondary contact (on water) activities only (boating watercraft)
Red	Advisory signs set to Red No Primary contact (in water) or Secondary contact (on water) activities

RESTRICTING LAKE ACCESS FOR WATER-BASED RECREATIONAL ACTIVITIES

IRC closes water bodies for primary (in-water) and/or secondary (on-water) contact activities when there is a risk to public health and safety. When blue-green algae toxin concentrations reach trigger levels, Council will issue lake closure notices and restrict all primary contact (in-water) recreational activities, including:

Green Alert

Signs set to Green

Amber Alert

Signs set to Amber with icons



No swimming



No jet-skiing



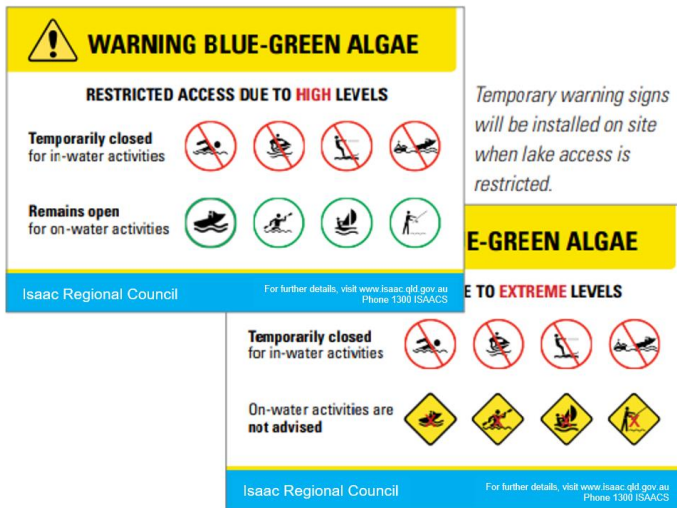
No water-skiing



No tubing

Red Alert

Signs set to red maintain Amber Icons and add Red Icons



Temporary warning signs will be installed on site when lake access is restricted.



When temporary closures or advisories are in place, signage is erected at lake entry and launch points, as well as at designated swimming areas. These signs show the current risk for recreational activities at a site. Information is also available on the IRC website and social media channels. See Keeping our communities informed on page 15.

Relevant state departments, special interest groups and key stakeholders will be advised of any changes to alert levels. It may be necessary to close lakes to primary contact (in-water) recreation for weeks or months, until algae levels return to acceptable limits. At times, we may also close lakes to all water-based recreational activities (primary and secondary contact) for other reasons, such as severe weather.

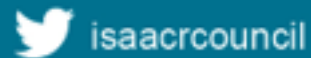
Recovery

Council is conscious of the important role these recreation facilities play in our community and will aim to re-open facilities as soon as it is considered safe to do so. The criteria for reopening / changing ratings will be as follows.

Alert Level		Pre-requisite
Red	Amber	Three consecutive samples that comply with Amber
	Green	Three consecutive sample that comply with Green
Amber	Green	Three

KEEPING OUR COMUNITIES INFORMED

Blue-green algae exists in all waterways, producing toxins that may pose health risks at certain levels. As part of our Blue-green Algae Recreational procedural Plan, Council publishes current blue-green algae levels for predominant recreation waterbodies on our website. Plan to play it safe when visiting our lakes. Check our recreation and safety notices before you leave home to ensure you are aware of the latest lake conditions and current closures. IRC keeps the community informed of lake closures and blue-green algae levels through website updates, Facebook and Twitter posts, and signage. We will re-open recreational waterbodies to primary contact (in-water) recreation as soon as water quality tests indicate it is appropriate to do so.



Appendix A – Operational Procedure

The following is the agreed implementation process to be followed to ensure that this Blue Green Algae Management procedure is achieved:

1. The Community Education and Compliance and Parks and Recreation Services departments will establish individual works orders with testing authority recommended by Isaac Water and Waste department.
2. The testing authority tests for the following:

≥500 to <5000 cells/mL <i>M. aeruginosa</i> or biovolume equivalent of >0.04 to <0.4 mm ³ /L for the combined total of all cyanobacteria.
≥5000 to <50 000 cells/mL <i>M. aeruginosa</i> or biovolume equivalent of ≥0.4 to <4 mm ³ /L for the combined total of all cyanobacteria where a known toxin producer is dominant in the total biovolume
≥50 000 cells/mL toxic <i>M. aeruginosa</i> or biovolume equivalent of ≥4 mm ³ /L for the combined total of all cyanobacteria where a known toxin producer is dominant in the total biovolume.

3. Routine testing shall be monthly (with 1 test conducted per month), unless otherwise advised when toxin levels rise.
4. Parks and Recreation Services and Community Education and Compliance shall identify a position (within Council) that the testing results shall be forwarded to. That position will be responsible for comparing actual results against toxin limits and advising if testing frequencies need to be altered or actions need to be undertaken to limit the facility use.
5. Reporting to Standing committee by the Asset Owner with assistance from Compliance and Integration.
6. Water and Waste will collect samples on behalf of Community Education and Compliance and Parks and Recreation Services and will have samples delivered to the testing authority. Samples at Lake Elphinstone shall be taken in front of the old ablution facility, approximately 2m from the waters-edge. Samples for Theresa Creek shall be taken from the camping area.
7. Each March this Operational Procedure will be reviewed taking into account changes to the managements plan and resources.

MEETING DETAILS	Engineering and Infrastructure Standing Committee Wednesday 4 November 2020
AUTHOR	Robert Perna
AUTHOR POSITION	Director Engineering and Infrastructure

6.1

ENGINEERING AND INFRASTRUCTURE DIRECTORATE INFORMATION BULLETIN – NOVEMBER 2020

EXECUTIVE SUMMARY

The Engineering and Infrastructure Directorate Information Bulletin for November 2020 is provided for Committee review.

OFFICER'S RECOMMENDATION

That the Committee recommends to Council to:

- Note the Engineering and Infrastructure Directorate Information Bulletin for November 2020.***

BACKGROUND

The attached Information Bulletin for November 2020 provides an operational update for Committee review on the Engineering and Infrastructure Directorate.

IMPLICATIONS

Any specific implications or risks will be outlined in the Information Bulletin.

CONSULTATION

Engineering and Infrastructure Directorate Staff

BASIS FOR RECOMMENDATION

This is an information only report.

ACTION ACCOUNTABILITY

Information only report.

KEY MESSAGES

Operational update to Elected Members.

Report prepared by:
ROBERT PERNA
Director Engineering and Infrastructure
Date: 28 October 2020

Report authorised by:
GARY STEVENSON PSM
Chief Executive Officer
Date: 29 October 2020

ATTACHMENTS

- Attachment 1 – Engineering and Infrastructure Directorate Information Bulletin – November 2020

REFERENCE DOCUMENT

- Nil

DATE: November 2020

ENGINEERING AND INFRASTRUCTURE SERVICES

DIRECTORATE HIGHLIGHTS

- Work on the Eaglefield TIDS projects was substantially completed this month. The sealing works will extend into early November. The project has received very positive comments from locals.
- Below are the projects that are behind scheduled expenditure.
- As mentioned Eaglefield road is physically 95% complete however cost have not yet been journalled. The resheeting program saw an increase in expenditure rate over the month but is still behind schedule. A recovery program which includes 2 roads being place out to contract is underway.
- The surfacing renewal program was awarded with works programmed for Nov and December.
- The Shared footpaths, Local Roads and Community Infrastructure grants, and the Fatigue accommodation are in the tender process.
- Vehicle purchases are committed but not yet delivered.

Project Code	Project Description	Total Budget	YTD Budget	YTD Actual	YTD budget - YTD actuals	Commitments
CW212886	ISAAC_Surfacing Renewal Program	1,641,075.00	\$1,641,075	\$970	\$1,640,105	\$832,173
CW212887	ISAAC_Rural Resheeting Program	4,178,811.00	\$2,185,000	\$918,286	\$1,266,714	\$129,473
CW212888	ISAAC_Eaglefield Road Pave and Seal TIDS	1,345,000.00	\$1,345,000	\$758,685	\$586,315	\$336,312
CW212859	Replace Sub Type _31 Passenger Vehicles	1,428,000.00	\$571,200	\$68,607	\$502,593	\$1,078,417
CW212937	CW212937 - Shared Footpaths CLM & DYS	933,950.00	\$466,960	\$788	\$466,172	\$57,317
CW212855	MBH - Fatigue Accommodation - development	977,199.00	\$366,449	\$58,616	\$307,833	\$2,823
CW212892	DYS_Saraji Road Pavement Rehabilitation	1,580,000.00	\$250,000	\$601	\$249,399	\$55,461
CW212913	CLM & MBH Cycle Network Program_Clermont	586,500.00	\$220,000	\$965	\$219,035	\$0
CW212858	Replace Sub Type _5 EarthMovers	770,000.00	\$200,000	\$981	\$199,019	\$0
CW212925	ISAAC_Urban Footpath Construction Progra	170,000.00	\$170,000	\$0	\$170,000	\$33,015

CW212916	ISAAC_Urban Footpath Renewal Program STI	245,000.00	\$149,000	\$24,185	\$124,815	\$95,217
CW212860	Replace Sub Type _ 9 Trucks	483,000.00	\$105,000	\$893	\$104,107	\$0

DIRECTORATE FINANCE REPORT

- Sales of Contract & Recoverable Works** are unfavourable to the revised budget by \$648,962. This unfavourable variance is mainly due to the timing of the RMPC contract and the recoveries of expenditure associated with negotiating compensation agreements. This variance has historically corrected itself over the remainder of the financial year. The 1st Quarter Budget Review will examine the cashflow of the RMPC income.
- Operating Grants, Subsidies & Contributions** are \$297,489 unfavourable compared to the revised budget for the year to date. This is due to the reduced receipt of the road's component of the Federal Assistance Grant with the early receipt of funds in the 19/20 financial year. The Federal Assistance Grant has been re-cash flowed at the Q1 Budget review to reflect actual payments to be received during the financial year, with the payment for the expected early release of 21/22 in June.
- Employee Expenses** are favourable compared to the revised budget by \$195,212. This favourable variance is due to a number of factors including accrual of wages to previous financial year, utilisation of leave, vacancies and allocations to other Directorates.
- Materials & Services** for the financial year to date are \$7,945,592 unfavourable with \$3,615,560 of actual expenditure and \$7,460,253 in commitments against YTD revised budget of \$3,130,221. This unfavourable variance is due to the inclusion of commitments (the majority of which relate to DRFA - \$5.3M). It is to be noted that the DRFA March 2019 event costs are currently in the operational material and services (\$2.4M), with no matching budget for expenditure. At quarterly periods this expenditure will be analysed to determine if it is operational or capital in nature with the corresponding transfer to capital as required. The Q1 Budget Review has adjusted the Operating and Capital expenditure budget using the projections provided.
- Depreciation and Amortisation** is currently unfavourable to the YTD revised budget by \$260,112. This is primarily due to changes to asset valuations and useful lives post outcomes of the 19/20 Financial Statement audit, noting the finalisation of major infrastructure works in the 19/20 financial year. Impacts are being assessed and will be adjusted at the Quarter 2 Budget Review.
- Capital Revenue** for the financial YTD is \$2,006,105 which is \$4,029,190 unfavourable when compared to YTD revised budget. This is expected to correct itself through the financial year with the completion of capital projects with milestone deliverables.

WORKSHOPS, PLANT AND FLEET

PREVIOUS MONTH'S ACHIEVEMENTS:

A software module "Plant Assessor" has been purchased to enable complete risk assessments and safe operating procedures to be completed on all fleet and plant assets. The benefits of this system will be centralised data management, risk assessments approved Australia wide, production of safe operating procedures for all fleet and plant assets that are produced to be asset specific.

Identified Team members will commence training late Oct early November with the intent to have 100 fleet and plant risk assessments completed over the next 12 months, please see below the benefits and focus areas of utilising this specific software for Fleet and Plant Management.

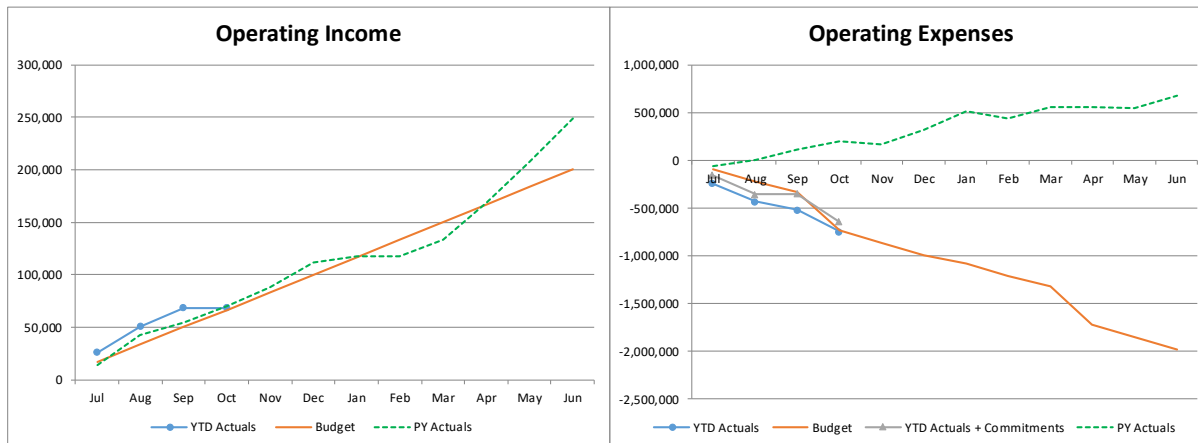
PREVIOUS MONTH'S ISSUES:

The fleet team arranged for approx. 30 x COI vehicle inspections to be undertaken by TMR in our Clermont Depot. I would like to thank all the relevant departments and team leaders for making these assets available on the day. Unfortunately, we had the majority of these assets requiring minor rectification works prior to passing and 3 assets requiring major repairs prior to re-inspection by TMR.

Some issues were experienced due to due to poor planning and staff being approved for leave during this critical period. The issues and process are being review and the teams are committed to be better prepared and produce a more positive outcome for the next round of COI inspections in Jan/ Feb.

FINANCE REPORT

Operational Result From Period 1 - 4, 2021 Manager Plant, Fleet & Workshops



- < Budget
- < 5% over Budget
- > 5% over Budget

Detail at M4 Level (Full Number)

Cost Centre	Description	YTD Actuals	Commitments	YTD Actuals + Commitments	YTD Budget	Annual Revised Budget	Remaining Revised Budget
Operational Income							
9253	Subsidy - Fuel Tax Credit - Isaac	68,473	0	68,473	66,667	200,000	131,527
		68,473	0	68,473	66,667	200,000	131,527
Operational Expenses							
1062	Regional Manager - Fleet, Plant & Disaster Manageme	46,062	0	46,062	49,790	143,868	97,806
1142	Plant & Fleet Manager - Isaac	167,757	0	167,757	171,541	495,861	328,104
1501	Fleet Operations - Corporate	67,303	818	68,122	67,443	201,320	133,199
2031	Workshop - Nebo	17,147	579	17,726	36,606	105,968	88,242
2120	Depot Expenses - Glenden	410	0	410	1,083	3,400	2,990
2121	Workshop - Glenden	0	0	0	167	500	500
2138	Depot Expenses - North	14,554	0	14,554	4,830	14,202	(353)
2197	Depreciation Expense - Plant	909,172	0	909,172	840,785	2,522,354	1,613,182
2501	Fleet Operations - Glenden	(90,052)	764	(89,289)	(108,631)	(311,175)	(221,886)
2502	Fleet Operations - North	(271,365)	11,979	(259,386)	(258,195)	(734,582)	(475,196)
2607	Depot Buildings, Work Camps - Glenden	4,729	1,596	6,325	3,533	10,600	4,275
2608	Depot Buildings, Work Camps - North	3,463	1,618	5,081	6,733	20,200	15,119
3184	Depot Expenses - Dysart	5,517	356	5,873	9,147	27,152	21,279
3202	Depot Expenses - East	6,523	0	6,523	5,060	14,692	8,169
3227	Depot Expenses - Middlemount	4,377	0	4,377	31,835	87,016	82,639
3284	Workshop - St Lawrence	3,880	327	4,207	29,285	84,756	80,549
3501	Fleet Operations - Dysart	(240,856)	8,655	(232,201)	(260,804)	(742,674)	(510,473)
3502	Fleet Operations - Middlemount	(149,212)	5,350	(143,862)	(154,081)	(440,327)	(296,466)
3503	Fleet Operations - East	(163,724)	5,824	(157,900)	(149,944)	(433,459)	(275,559)
3504	Fleet Operations - Rural East	(5,654)	0	(5,654)	(10,264)	(29,225)	(23,571)
3610	Depot Buildings - Middlemount	5,293	1,360	6,652	7,217	20,100	13,448
3611	Depot Buildings, Work Camps - Dysart	8,039	1,367	9,406	12,250	31,500	22,094
3612	Depot Buildings, Work Camps - East	15,683	5,133	20,815	20,008	52,363	31,548
3613	Depot Buildings, Work Camps - Moranbah	9,543	2,455	11,998	6,667	18,750	6,752
3626	Workshop - Middlemount	11,298	0	11,298	31,430	90,981	79,683
4183	Depot Expenses - Moranbah	6,772	0	6,772	5,963	17,602	10,830
4241	Depot Expenses - Clermont	8,037	0	8,037	5,847	15,002	6,964
4501	Fleet Operations - Clermon	(639,046)	43,180	(595,867)	(710,508)	(2,025,153)	(1,429,286)
4502	Fleet Operations - Moranbah	(544,586)	9,366	(535,221)	(556,898)	(1,622,336)	(1,087,115)
4606	Depot Buildings - Clermont	13,958	3,213	17,171	8,167	24,500	7,329
7007	Workshop - Clermont (West)	12,934	236	13,171	33,343	96,706	83,535
7008	Workshop - Moranbah (West)	13,012	1,410	14,422	89,373	258,466	244,044
		(749,033)	105,586	(643,447)	(731,224)	(1,981,074)	(1,337,626)
	Surplus/(Deficit)	817,506	(105,586)	711,920	797,890	2,181,074	1,469,153
Full Cost Recovery							
2841	Corp O'Heads & NCP Costs - Plant, Fleet & Workshop	317,925	0	317,925	317,925	953,776	635,851
		317,925	0	317,925	317,925	953,776	635,851
	Operating Surplus/(Deficit) less Full Cost Recovery	499,581	(105,586)	393,995	479,965	1,227,298	833,303

DEVIATION FROM BUDGET AND POLICY:

Nil to report currently that have not been approved by Council.

OPERATONAL PLAN / BUSINESS PLAN – EXCEPTION REPORTING

Nil to report

NEXT MONTH'S PROGRAM:

Scheduled to Commence During Next Month

Project Name/ Description	Start Date	Scheduled End Date	Comments/Exceptions
Replace 31 Vehicles	1/7/2019	30/6/2021	85% of orders for replacement vehicles have been completed, these assets will be delivered over the FY subject to their availability and OEM having stock available to meet requirements
Various plant replacements	17/2019	30/6/2021	All RFQ evaluations have been completed, it is anticipated that all contracts for supply will be awarded early Nov with planned deliveries staggered through to June 2021 subject to availability and build times
Truck replacements	1/7/2020	30/6/2021	All RFQ evaluations have been completed, it is anticipated that all contracts for supply will be awarded early Nov with planned deliveries staggered through to June 2021 subject to availability and build times

DEVELOPING INITIATIVES / ISSUES:

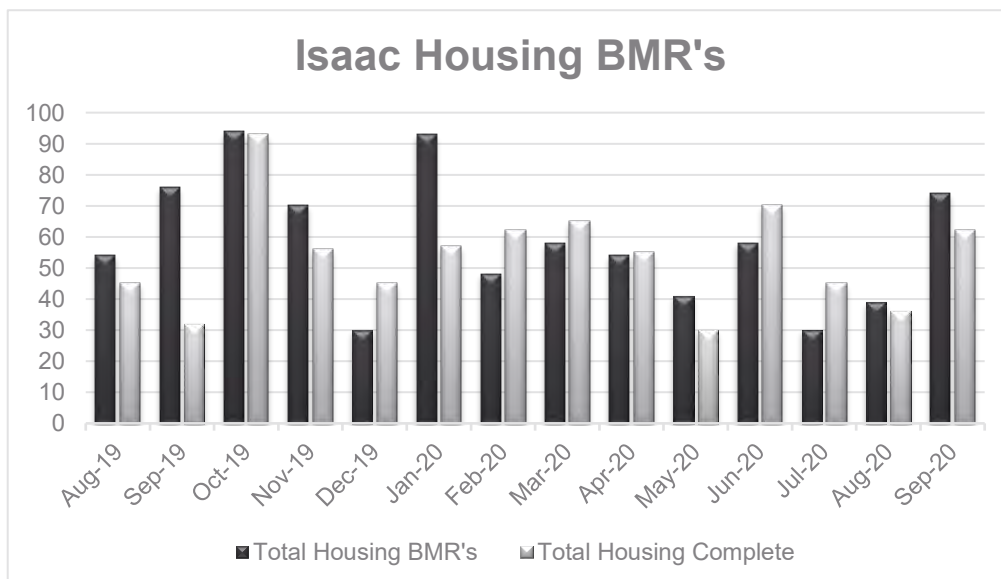
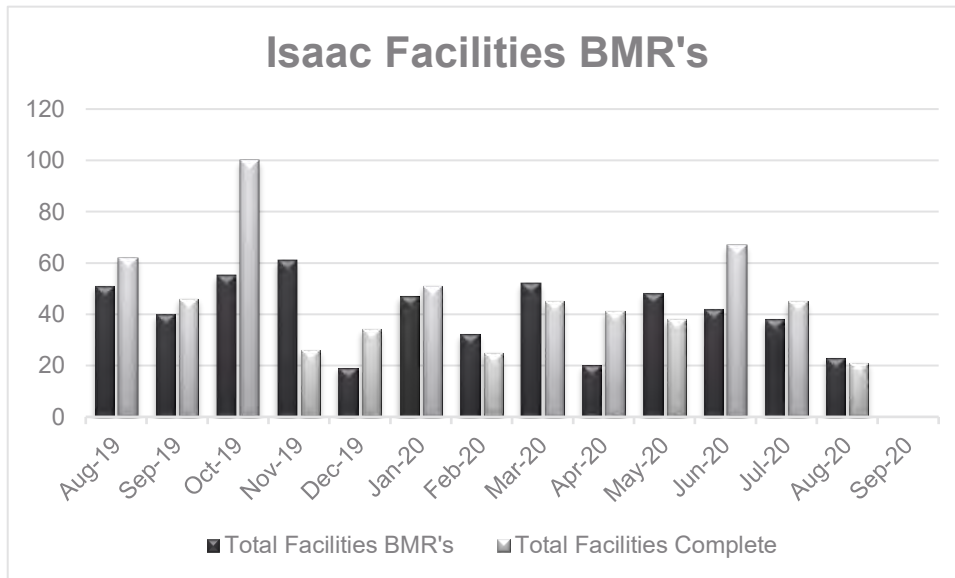
- A full review of current fleet and plant assets has commenced with a report and recommendation to be finalised in Dec 2020, this will identify areas of improvement and enhanced service levels, this data will also inform the proposed Fleet and Plant Management Strategy – **On Going**
- CPF are working closely with Contacts and Procurement to assist in identifying redundant assets in the depots and general clean out of old stock, with a view of cataloguing remaining assets and sharing across the organisation for redeployment where needed – **STL Depot site clean completed, Nebo Depot to be completed in Oct/Nov**
- Fleet and Plant Management Plans, Strategy and guidelines are currently being developed with a draft to be completed by the end of Dec 2020

CORPORATE PROPERTIES

PREVIOUS MONTH'S ACHIEVEMENTS:

The team now have all vacant positions filled and the team are full swing into the delivery of the operational and capital budget. All tenders are out for the capital program. The property managers have been busy with 11 property contracts and 7 property exits. All emergency exit lights and smoke alarms throughout the shire have been tested and serviced as well as portable fire equipment serviced.

Isaac Region Building Maintenance Requests (BMR's)



- Portable fire equipment servicing throughout the shire
- Emergency exit lighting and detectors testing and servicing
- Capital works on various residential properties in Middlemount
- Completion of Capital works painting on properties in St Lawrence
- Commencement of Capital Works on properties in Dysart
- Ongoing BMR (Building Maintenance Requests) as required
- Construction starting in November on the Clermont Sports Ground Grandstand Compliance Rectification
- RFQ awarded for the Restumping of 3 Residences at St Lawrence
- RFQ awarded for the Underpinning of existing footings and building repairs at 26 Norton Court
- RFT issued for the Design and Construct of 16-person accommodation at 12 Acacia Street

Trades Team Renovations



New Bathroom at 1 Coleman Street
Dysart



New Bathroom at 1 Coleman
Street Dysart



New kitchen at 8 Clarence Baker
Drive Middlemount

External Paint



7 Kinnaird Street Before



7 Kinnaird Street After



6 Wilangi Street Before



6 Wilangi Street After

	Project Name/ Description	Start Date	Scheduled End Date	Status Update
	AOP & ODP – Deliverables			
	As per comments reported in below table			
Capital Projects				
CW Number	Project Name/ Description	Start Date	Scheduled End Date	Status Update
CW212849 CW212853 CW212931 CW212848 CW212932 CW212851 CW212850	Regional residential program- MBH- Commence Feb/Apr NBO- Commence Nov/Jan CLM- Commence Sep/Nov MMT- Commenced Jul/Aug DYS- Commenced Jul/Aug STL- Commence Aug/Sept GLN – Commence Nov/Dec	July 20	June 21	In Planning In Planning Commencing Nov Construction Commenced Construction Commenced Construction Commenced In Planning
CW202876	Corp - Admin Building Upgrades/Renewals	Aug 20	April 21	In planning
CW202785	Moranbah Fatigue Accommodation	July 19	June 2021	Demolition complete RFT for design and construct
CW202837	Depots - Electrical Compliance Rectification	Aug 20	April 2021	Works commenced
CW202788	CLMT - Sportsground Grandstand Renovation	Nov 20	June 21	Works to commence in Nov
Various	Commence all project scope and specifications for 2021-22 CW Delivery Program	July 20	June 21	Scoping, condition accessing and business cases in progress

PREVIOUS MONTH:

- Commencing all capital delivery programmes for scheduling in 2020/21
- Ongoing BMR (Building Maintenance Requests) as required

DEVIATION FROM BUDGET AND POLICY:

No major deviations or exceptions to report.

OPERATIONAL PLAN / BUSINESS PLAN – EXCEPTION REPORTING:

Strategy (i.e. C5)	Service Area	Description	Highlight/Exception, including explanation
	All AOP & ODP projects		The housing strategy has commenced and is progressing with further data validation.

NEXT MONTH'S PROGRAM:

Key focuses for this period will be the continuation and completion of many maintenance programs as well the planning and continuing with the delivery of the capital works program for 2020/21.

The commencement of 2021/22 Capital business cases

DEVELOPING INITIATIVES / ISSUES:

Current PSA's that were in place at the beginning of the financial year have expired, this does not hamper service delivery, it does however create a longer procurement process to ensure we meet purchasing policy compliance, please be patient whilst the PSA requirements are reviewed and new agreements are finalised. Ongoing.

GALILLEE AND BOWEN BASIN OPERATIONS

MINING AGREEMENTS

PREVIOUS MONTH'S ACHIEVEMENTS:

Proponents engaged

- Pembroke
 - o Compensation Agreement executed
 - o Continuing negotiations for Infrastructure Access Agreement – Pembroke currently reviewing updated terms of agreement
 - o Pipeline license – has been agreed, awaiting executed version to be returned from Pembroke
 - o Water Supply Agreement – being progressed by Water and Waste
- Futura
 - o Notifiable Road Use compensation agreement – with proponent for review
 - o Compensation Agreement

-
- Dispute regarding reimbursement of costs for preparation, currently with CGFS for internal review.
 - Pipeline Licence
 - Final terms of negotiation – Futura identified concerns regarding the provision of security and the level of insurance and indemnity required. Waiting for proponent to review
 - BMA
 - Commencement of Traffic Count activities on Red Hill Road. A few general enquiries from the public as to purpose of cameras. Signage in place stating traffic counting.
 - Council received notification of a proposal to undertake embankment stabilisation works adjacent to Saraji Road, this will result in an access track to allow for inspections to be constructed within road corridor. BMA representatives seek to work with Council for an appropriate tenure for this track, subject to the realignment of Saraji Road by Vitritite.
 - Goonyella Riverside Dragline Shutdown and impact on Mabbin Road– Draft terms of reference have been provided to BHP for consideration
 - Golden Mile Haul Road Crossover – Officers are meeting to discuss traffic impact assessment requirements Wednesday 7 October 2020
 - Adani
 - Undertaking Infrastructure Access Agreement
 - Maintenance Works are continuing
 - Council has advised that it can only consider partial approval for construction of the Elgin and Moray Carmichael Boundary Road
 - Areas of concern remain in the vicinity of Moray Homestead and non-compliant corners
 - Dust continues to be a concern with the Road User intermittently committing to resources to address the problem – patchy rain is providing some temporary relief.
 - There have been a number of instances where it has been identified by Council that The Road User has not fulfilled its obligations under the Agreement
 - Adani are still contesting the requirement to construct the road to Councils required flood immunity

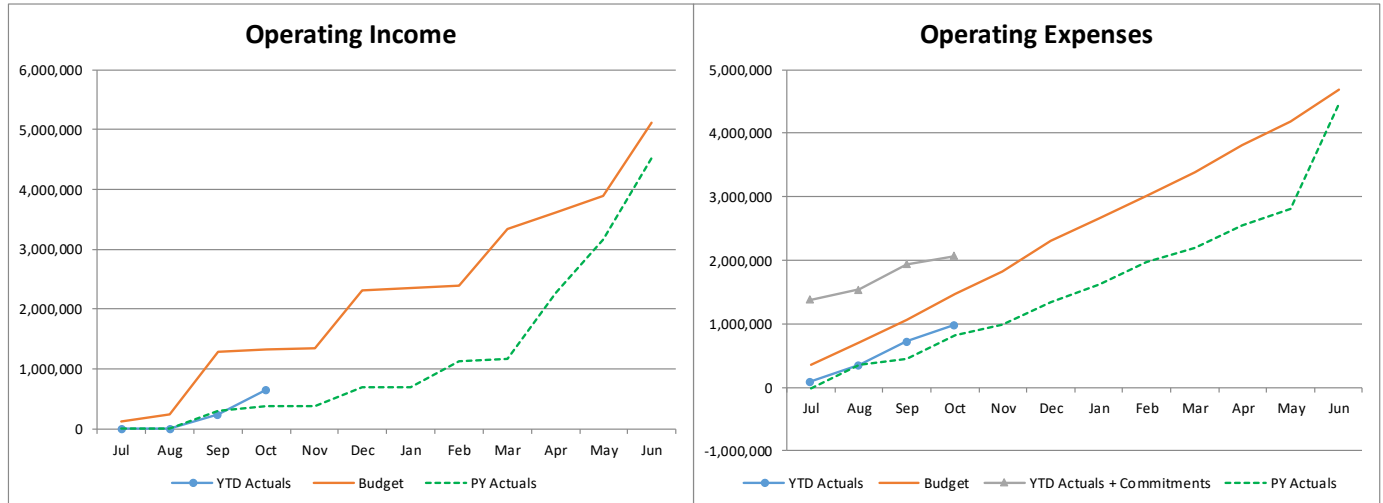
-
- Construction on 3.15km upgrade for Bulliwallah Road is nearing completion
 - Automatic digital Road Closure signs to be installed at North Creek within 6 months
 - Vitrinite [Queensland Coking Coal]
 - Proponent working with BMA to prepare the necessary applications to open and close the relevant sections of Saraji Road for the realignment.
 - Compensation Agreement and Road Use Agreement executed.
 - Confirmation of Vitrinite Proposal to present to Council regarding the social management strategies that they are looking to implement for their workforce in Dysart
 - Minjar Gold
 - Negotiation of Compensation Agreement for mining lease renewals
 - Previous agreement expires with the mining lease and was not novated to the current ML holder
 - Miclere Road Gold mining lease
 - This matter has been closed out, the identified water source is not in Road Reserve.

PREVIOUS MONTH'S ISSUES:

Not Applicable

FINANCIAL REPORT:

Operational Result From Period 1 - 4, 2021 Bowen Basin and Galilee Operations



- < Budget
- < 5% over Budget
- > 5% over Budget

Detail at M4 Level (Full Number)							
Cost Centre	Description	YTD Actuals	Commitments	YTD Actuals + Commitments	YTD Budget	Annual Revised Budget	Remaining Revised Budget
Operational Income							
1600	Galilee Basin Operations	284,287	0	284,287	393,666	1,400,997	1,116,710
3211	RMPC Expenditure - Isaac	360,854	0	360,854	927,500	3,710,000	3,349,146
		645,141	0	645,141	1,321,166	5,110,997	4,465,856
Operational Expenses							
1252	Adani Project	18,700	768	19,468	1,690	4,882	(14,586)
1600	Galilee Basin Operations	462,555	839,123	1,301,678	446,918	1,496,670	194,992
3211	RMPC Expenditure - Isaac	495,985	253,881	749,866	1,022,025	3,180,020	2,430,154
		977,240	1,093,772	2,071,012	1,470,633	4,681,571	2,610,559
	Surplus/(Deficit)	(332,099)	(1,093,772)	(1,425,870)	(149,467)	429,426	1,855,297
	Full Cost Recovery	0	0	0	0	0	0
	Operating Surplus/(Deficit) less Full Cost Recovery	(332,099)	(1,093,772)	(1,425,870)	(149,467)	429,426	1,855,297

DEVIATION FROM BUDGET AND POLICY:

The Materials & Services including committed variance is as a result of the three-year purchase order for Shepherd Services for the Engineering and infield support in accordance with the Infrastructure Access Agreement. This is expected to continue through to December 2021.

OPERATIONAL PLAN / BUSINESS PLAN – EXCEPTION REPORTING

Not Applicable

NEXT MONTH'S PROGRAM:

- Continued negotiation with Pembroke
- Negotiation Agreements with Futura
- Monitoring and evaluation of Adani Maintenance Works and progressing road design
- Negotiation of Compensation Agreement with Minjar Gold

Organisation Development Plan or Capital Projects

Scheduled to Commence During Next Month

Not Applicable

DEVELOPING INITIATIVES / ISSUES:

- Engineering & Infrastructure and Corporate Governance & Financial Services are working together in the development of standard template agreements that will provide for more effective proponent engagement.
- A detailed register of obligations under each agreement with all resource proponents is currently being prepared, following completion (mid-late 2020), the details shall be presented to council for consideration.
- Water & Waste and E&I are collectively collating the various mining agreement as a joint project to provide efficiency and consistency in dealing with resource proponents.

INFRASTRUCTURE

PREVIOUS MONTH'S ACHIEVEMENTS:

Minor Works completed:

- Recurring pothole patching required on roads around Dysart due to fragile seal
- Slashing has been completed on local roads and Nebo and Dysart
- Invert installed on Drummond street, Clermont to help with drainage issues

Maintenance Grading:

- Grading crew in Central area have completed maintenance grading works in conjunction with nearby Resheeting projects. Northern roads around Nebo have also been graded.

Resheeting:

- Burrenbring, Booroondarra-Capella & Nimmitabel Roads complete. Frankfield Road is 80% complete but any further construction works have been delayed due to the lack of water. GST works for Valkyrie Road has commenced.



RMPC:

- Combined crews slashing has been progressing well. Oxford Downs Sarina, Marlborough Sarina and Suttor Developmental Roads have been completed.
- Shoulder grading on May Downs Road 50% complete. Works have been delayed for maintenance to be carried out on IRC plant for period Two (2) weeks. Maintenance grading has now re-commenced.

Capital Works:

- Eaglefield pave and seal in progress with completion of pavement operations expected by 4th November. Sealing activities are programmed to commence from 5th November
- Sarchedon Drive drainage is 60% completed. A number of variations have been identified due to design issues. Works have been on hold until 26 October for Telstra to redirect infrastructure. Practical completion is now due 7 November 2020
- Urban stormwater renewal in Clermont now complete
- Dysart town entry signs – a contractor has been procured and they are working on the design
- 19/20 Reseal carry over program now complete



Eaglefield Pave & Seal – Pavement Works



Urban stormwater renewal in Clermont complete.

Emergent Works:

- Nil to Report

PREVIOUS MONTH'S ISSUES:

- Issues with ticketed / licensed employees for maximum versatility and production
- Planned works delayed due to longer times for supply of products
- Plant and machinery breakdowns
- Lack of available contractors for plant hire / works due to internal issues and external demand
- Low staff levels due to injuries, resignation and leave reduction and sickness.
- Several vehicle breakdowns in the East

-
- A few small fires started during slashing of Peak Downs Hwy. Crews were vigilant and able to put out immediately. Fire risk will need to be assessed prior to slashing commencing on different roads throughout the region.

DEVIATION FROM BUDGET AND POLICY:

Nil to Report

OPERATIONAL PLAN / BUSINESS PLAN – EXCEPTION REPORTING

Nil to Report

NEXT MONTH'S PROGRAM:

Minor Works

- Continued constant attention to pothole patching on Clermont-Dysart, Mt Stuart-Bedford Weir, Saraji and Golden Mile Roads due to fragile seal.

Maintenance Grading

- Grading crews in East and Northern regions to continue maintenance program

Resheeting

- Tender documents being issued for Bulliwallah and Wuthung Roads
- Peakvale Road Resheeting to Commence
- Valkyrie Road Resheeting to continue

Capital Projects

- Commencement of Urban Stormwater Upgrade in Moranbah
- Commencement of 20/21 reseal program
- Eaglefield Road Pave and Seal – installation of roadside furniture and finalisation of project.
- Procurement for Urban Stormwater Renewal in Moranbah complete with construction expected to commence.

RMPC

- Continued pothole patching on State Controlled roads as required
- Continuation of Maintenance and heavy shoulder grading on May Downs Road
- Vegetation clearing programmed for Gregory Developmental Road priority areas
- Tender documents to be issued for remaining Roadside Slashing activities
- Procurement for Heavy Formation works on St Lawrence Croyden Road to be finalised with construction works expected to commence

Organisation Development Plan Scheduled to Commence During Next Month

Nil to Report

DEVELOPING INITIATIVES / ISSUES:

- Consideration of a trial of surface enrichment on low volume roads.
- Continued drying conditions have been creating water sourcing issues. Additional water carts or deferment until after rain events are possible solutions. Slashing programme will also be monitored with increased fire risk.
- Gravel sourcing is a growing issue whilst a solution to needing a Senior Site Executive at all “quarries” is still to be resolved. Discussion to be held about how to proceed.

CLERMONT WORK CAMP INMATE PROGRAM

PREVIOUS MONTH'S ACHIEVEMENTS:

- The Clermont Bowls club ramp is built with the concrete element of the ramp to be completed November
- Permanent helpers have commenced at the Clermont Museum and Saleyards, with positive feedback from the respective owners on the quality of work being undertaken
- Commencement of painting of the arena at the Clermont Pony Club has occurred after preparation of the site in October rotation
- Media piece release in the Clermont Rag for recognition of the great work the inmates are doing in the community but also promoting what work they can do for the Clubs and organisations
- Community works undertaken.
 - Clermont QCWA vegetation control – general tidy up
 - Clermont Railway vegetation control – general tidy up
 - Clermont Bowling club ramp build – Complete – Concrete/ painting element in progress
 - Clermont Pony Club arena paint primer – Work in progress
 - Permanent inmate saleyards.
 - Semi-permanent inmate Historical centre.

Clermont Bowling Club Ramp



Historical Steam Engine



Pony Club Arena

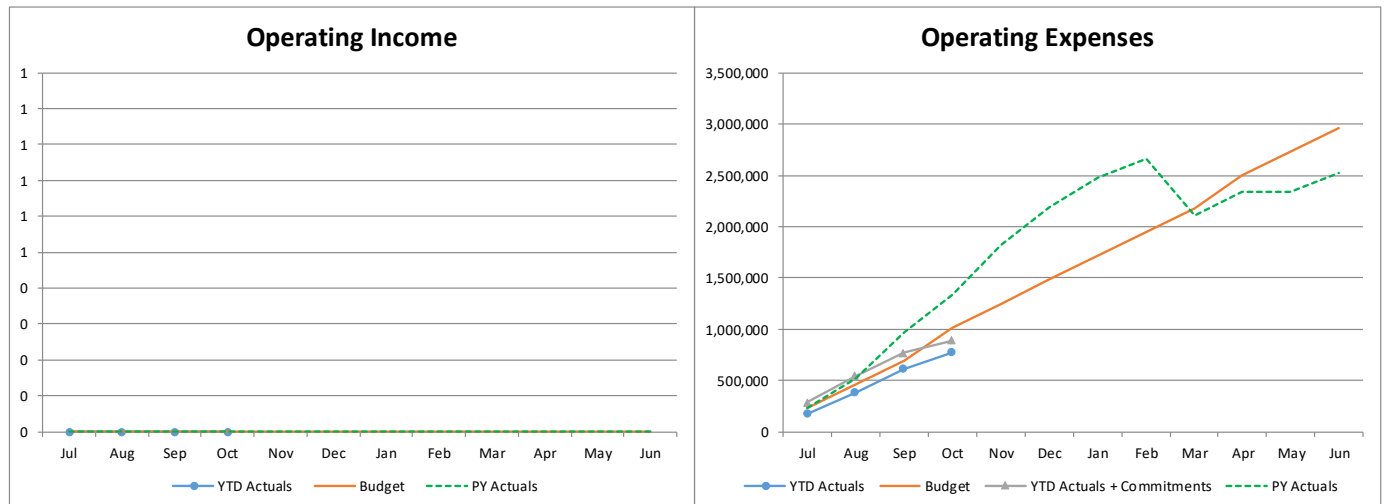


PREVIOUS MONTH'S ISSUES:

Club delayed response re: 172 form submission.

FINANCIAL REPORT:

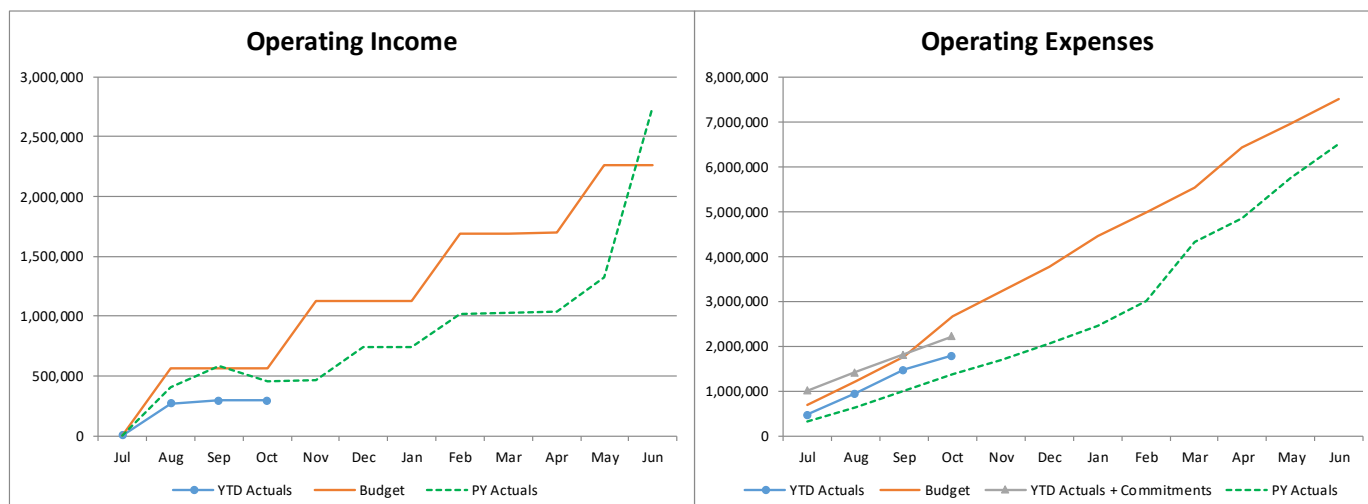
Operational Result From Period 1 - 4, 2021 Manager Infrastructure East



- < Budget
- < 5% over Budget
- > 5% over Budget

Detail at M4 Level (Full Number)							
Cost Centre	Description	YTD Actuals	Commitments	YTD Actuals + Commitments	YTD Budget	Annual Revised Budget	Remaining Revised Budget
Operational Income		0	0	0	0	0	0
Operational Expenses							
1053	Manager Roads & Urban Services	75,384	194	75,578	91,366	265,518	189,940 ●
2128	Roads & Town Assets - Glenden	23,499	284	23,783	49,451	144,017	120,234 ●
2132	Roads & Town Assets - Nebo	73,722	2,693	76,416	80,463	233,574	157,158 ●
2133	Roads & Town Assets - Rural (North)	271,414	37,800	309,214	430,946	1,250,011	940,797 ●
2140	Works Administration - Nebo	139	0	139	0	0	(139) ●
2149	Urban Misc Works - Nebo	3,027	0	3,027	0	0	(3,027) ●
3165	Boat Ramps - East	0	0	0	834	2,408	2,408 ●
3186	Urban Misc Works - Dysart	39	0	39	0	0	(39) ●
3199	Roads & Town Assets - East	22,263	131	22,394	26,758	77,986	55,591 ●
3253	Works Administration - Middlemount	190	0	190	0	0	(190) ●
3254	Floating Plant - Middlemount	57	170	226	0	0	(226) ●
3267	Roads & Town Assets - Rural East	285,451	74,171	359,622	338,537	990,226	630,604 ●
4190	Urban Misc Works - Moranbah	20,608	1,310	21,918	0	0	(21,918) ●
		775,792	116,753	892,545	1,018,354	2,963,739	2,071,194
Surplus/(Deficit)		(775,792)	(116,753)	(892,545)	(1,018,354)	(2,963,739)	(2,071,194)
Full Cost Recovery		0	0	0	0	0	0
Operating Surplus/(Deficit) less Full Cost Recovery		(775,792)	(116,753)	(892,545)	(1,018,354)	(2,963,739)	(2,071,194)

Operational Result From Period 1 - 4, 2021 Manager Infrastructure West



- < Budget
- < 5% over Budget
- > 5% over Budget

Detail at M4 Level (Full Number)

Cost Centre	Description	YTD Actuals	Commitments	YTD Actuals + Commitments	YTD Budget	Annual Revised Budget	Remaining Revised Budget
Operational Income							
3505	Work camp inmate program - Clermont	3,609	0	3,609	3,667	11,000	7,391 ●
4193	Roads & Town Assets - Rural (West)	25,281	0	25,281	0	0	(25,281) ●
9022	Private Works Revenue - Isaac	2,248	0	2,248	0	0	(2,248) ●
9242	Grant/Subsidy - Road Entitlement FAG	262,367	0	262,367	561,663	2,246,650	1,984,283 ●
		293,505	0	293,505	565,329	2,257,650	1,964,145
Operational Expenses							
1071	Regional Manager's Office - IPR	220,061	2,493	222,553	228,542	662,382	439,828 ●
1178	Private Works Expenditure - Isaac	7,770	0	7,770	0	0	(7,770) ●
1250	Roads & Town Assets - Clermont	85,858	5,981	91,839	184,087	535,030	443,190 ●
1352	Roads West Capitalised Internal Costs	50,630	0	50,630	91,773	265,121	214,492 ●
1382	Roads Assets - Central	331,821	139,240	471,061	356,797	1,039,562	568,501 ●
3190	Roads & Town Assets - Dysart	81,474	3,257	84,731	151,055	437,732	353,001 ●
3225	Roads & Town Assets - Middlemount	63,081	4,130	67,210	91,116	264,186	196,975 ●
3256	Works Administration - Dysart	313	0	313	0	0	(313) ●
3257	Floating Plant - Dysart	0	650	650	0	0	(650) ●
3505	Work camp inmate program - Clermont	29,548	2,239	31,787	27,991	81,116	49,329 ●
4174	Urban Misc Works - Clermont	7,971	0	7,971	0	0	(7,971) ●
4180	Roads & Town Assets - Moranbah	277,330	3,923	281,253	501,793	1,235,402	954,149 ●
4193	Roads & Town Assets - Rural (West)	557,209	272,595	829,804	920,294	2,662,959	1,833,155 ●
4254	Co-ordinator Infrastructure West	77,948	0	77,948	109,506	318,302	240,355 ●
		1,791,014	434,507	2,225,521	2,662,954	7,501,791	5,276,270
Surplus/(Deficit)		(1,497,509)	(434,507)	(1,932,016)	(2,097,625)	(5,244,141)	(3,312,125)
Full Cost Recovery							
2845	Corp O'Heads & NCP Costs - Private Works	17,134	0	17,134	17,134	51,402	34,268 ●
		17,134	0	17,134	17,134	51,402	34,268
Operating Surplus/(Deficit) less Full Cost Recovery		(1,514,643)	(434,507)	(1,949,150)	(2,114,759)	(5,295,543)	(3,346,393)

DEVIATION FROM BUDGET AND POLICY:

Nil to Report

OPERATONAL PLAN / BUSINESS PLAN – EXCEPTION REPORTING

Nil to Report

NEXT MONTH'S PROGRAM:

- Clermont Bowling Club – Ramp completion.
- Kindy maintenance – Schedule for December during their shut down.
- Inmate to saleyards
- Inmate to Museum.
- CCHAOSI Housing services move.
- Racecourse clean up, set up/pack up for the Clermont races.
- Pony Club arena paint.

DEVELOPING INITIATIVES / ISSUES:

- Piano Tree Beautification budget bid.
- QLD Police – Cycle safety project collaboration with Parks and Gardens team also PPECS
- Equipment wear and tear – Some new equipment has been purchased which is making an amazing difference to the efficiency of the work also the morale of the inmates.
- Management of weather influences and exposure.

PARKS AND RECREATION

PREVIOUS MONTH'S ACHIEVEMENTS:

Election signage areas throughout the district is still topical and the Compliance & Integration Manager is being kept informed of election signage installed outside of approved locations.

Temporary COVID registers are still in place at campgrounds around the region, while investigations for a permanent booking/recording system continue. Parks is liaising with Economy & Prosperity with a view to ensuring consistency with a booking system throughout the region.

In **Glenden** the quarterly town lighting audit has once again been completed and vandal damage to the post 'n rail fencing at the bucket entrance has been repaired.

In **Middlemount** bollards have been placed around the tennis court area (to deter motorcycle activity) have now had connecting chains installed, which will be made more visible with reflective material. Footpaths round

MMT have been cleaned and washed in preparation for adhesive decals (stickers) pertaining to the storyboard walk.

In **Clermont** the team has carried out another funeral during the past month. The third aerator for Hoods Lagoon has now been replaced, having been through a process to ensure that the correct product was procured for the job. Both cricket wickets at the lagoon were mowed and brushcut in preparation for Junior Cricket.

In **Dysart** irrigation repairs were carried out on the cricket and soccer grounds and Queen Elizabeth Drive was the focus of attention with weeding and spraying being done. The team carried out a refuse run along the highway between the 80 km signs as well as around the town's main streets.

CAPITAL PROJECTS

- In **Moranbah** the Town Square water fountain stakeholder consultation was carried out on 08 October 2020. Local businesses were pleased to have the opportunity to understand and discuss the proposal and there was no dissension.
- In **Nebo** BBQ installation has been completed.
- In **Glenden** the Lions Park play equipment upgrade community consultation is complete. Tendering close out is on 06 November 2020. The Lake Elphinstone tank replacement RFQ has been evaluated and awarded, pending LOA.
- On the **Coast** the Clairview backup generator concrete slab has been poured, ready for the generator. The septic tank upgrade is due to commence on 26 October 2020. site visit took place in late August. St Lawrence Rec grounds new bollards are expected to arrive on 23 October 2020.
- In **Middlemount** work is to commence on the touch footy club house early October (completion due by 31 December 2020). Evaluation of the tennis lighting and switchboards tenders is in progressing.
- Staff meet with the local Councillor on 21 October to progress the Storyboard project.
- In **Dysart** power for lighting and irrigation at Lions Park still awaits the connection by Ergon. The all-access playground in Centenary Park is out to tender shortly.

HEALTH & SAFETY

Morning pre-start discussions have centred around staying hydrated and keeping an eye on work colleagues for fatigue issues, as well as being SunSmart and checking for potential melanoma. In Clermont, toolbox talks have included the topics of bullying and harassment, plus the ongoing requirement to address proper methods to for securing loads on utes and trailers.

Moranbah – updating of emergency response folders and emergency notification guide

The MBH Parks safety audit result is 95%. WI's in folders have been updated.

An information/discussion session was held regarding the correct PPE to be used when spraying and using a hedge trimmer.

First Aid kit inspection scheduled for 21 October 2020.

Nebo – safety toolbox held in the boardroom, with the topic of Emergency Management Preparedness

Glenden – skin checks approved for staff (GLN medical centre). H & S audit conducted with an 89% compliance result.

Coast – Parks Team Leader held a meeting with staff in regard to the emergency management plan and flood response, ensuring that the team can locate the emergency contact phone numbers.

All team members have booked in for Hep B shots.

STAFF

- **Moranbah** – vacancies exist for a Groundsman, Snr Irrigation Maintainer, Leading Hand, Mower Operator and Leading
- **Clermont** – three Labourer positions vacant
- **Glenden** – Leading hand position vacant
- **Middlemount** – Labourer position vacant

PREVIOUS MONTHS ISSUES

Dysart – repairs required for soccer field damaged by vehicle doing ‘burnouts’. Investigation for electrical malfunction of path lights (tripping) in Centenary Park

Clermont – tripping hazard in Rose Harris Park has resulted in the area being barricaded while awaiting a contractor to repair. Flying Fox bats have returned to Hoods Lagoon roost location. Seat broken off exercise equipment item.

Middlemount – issues with the water polishing plant, resulting in limited irrigation water. Picnic table in the skate park damaged by fire. Broken septic pipe in Blue Mtn Park. Camm Park toilet roll holder vandalised.

Lake Elphinstone – the lake has now dried-up completely. A deceased camper was found in his van by other campers at the campsite, during the course of the month (reported to QPS by campers).



Burnt picnic table at MMT skate park



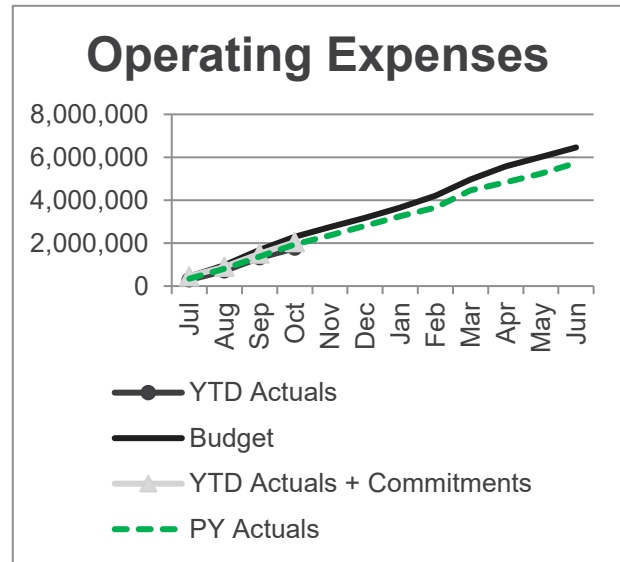
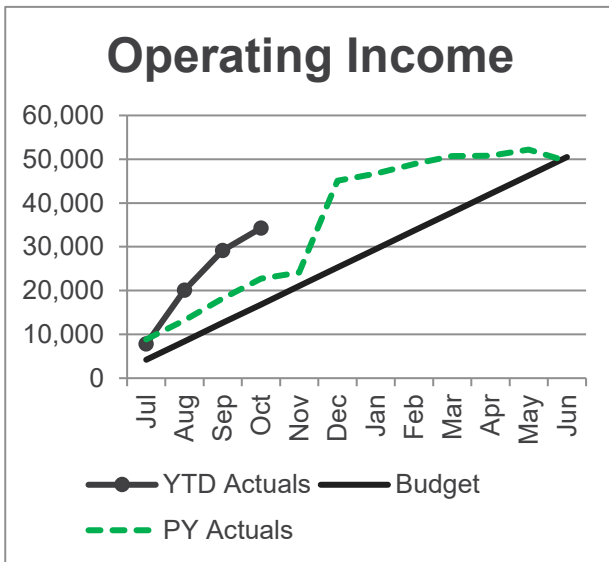
Exercise seat ripped off in Clermont



Septic pipe damaged in Blue Mtn Park

FINANCIAL REPORT:

Operational Result From Period 1 - 4, 2021 Manager Parks and Recreation



INFORMATION BULLETIN

- < Budget
- < 5% over Budget
- > 5% over Budget

Detail at M4 Level (Full Number)							
Cost Centre	Description	YTD Actuals	Commitments	YTD Actuals + Commitments	YTD Budget	Annual Revised Budget	Remaining Revised Budget
Operational Income							
9094	Coastal Camping Fees - East	27,163	0	27,163	11,667	35,000	7,837
9267	Sportsgrounds Fees - Nebo	189	0	189	167	500	311
9431	Sportsgrounds Fees - Clermont	477	0	477	1,667	5,000	4,523
9464	Sportsgrounds Fees - Moranbah	4,662	0	4,662	1,667	5,000	338
9691	Sportsgrounds Fees - Recreation Reserve St Lawrenc	1,784	0	1,784	1,667	5,000	3,216
		34,275	0	34,275	16,833	50,500	16,225
Operational Expenses							
1055	Regional Mgr's Office - Community Facilities	140,646	625	141,271	166,090	531,765	390,495
2082	Rec Area - Lake Elphinstone - Glenden	21,995	19,475	41,470	18,976	56,262	14,792
2117	Public Conveniences - Glenden	6,512	1,360	7,872	3,082	8,954	1,081
2125	Parks, Gardens & Reserves - Glenden	185,068	6,132	191,200	252,454	654,714	463,514
2131	Recreation Facilities - North	11,416	884	12,300	12,884	35,937	23,637
2143	Parks, Gardens & Reserves - Nebo	99,027	508	99,535	158,224	428,507	328,972
2169	Parks, Gardens & Reserves - Rural North	2,095	1,431	3,527	1,679	4,338	811
2203	Depreciation Expense - Park Furniture	90,229	0	90,229	87,284	261,852	171,623
2613	Public Conveniences - Nebo	3,515	0	3,515	1,890	5,037	1,522
3179	Public Conveniences - Dysart	9,710	0	9,710	4,485	15,477	5,767
3181	Recreation Facilities - Dysart	63,991	1,028	65,019	36,722	98,729	33,710
3187	Parks, Gardens & Reserves - Dysart	146,821	3,169	149,990	208,339	559,824	409,833
3196	Sportsgrounds - East	7,468	0	7,468	0	0	(7,468)
3197	Recreation Facilities - St Lawrence	12,160	47,504	59,664	16,604	48,480	(11,184)
3198	Recreation Facilities - East	8,342	6,457	14,800	14,612	39,053	24,253
3223	Sportgrounds Skatepark - Middlemount	18,547	1,417	19,964	0	0	(19,964)
3224	Recreation Facilities - Middlemount	15,345	109	15,454	32,163	84,479	69,026
3230	Parks, Gardens & Reserves - Middlemount	124,613	201	124,814	195,614	525,738	400,924
3262	Parks, Gardens & Reserves - East	68,904	5,734	74,639	96,795	258,983	184,344
3274	Parks & Garden Assets - Middlemount	310	0	310	4,912	14,210	13,900
3622	Public Conveniences - Middlemount	6,167	0	6,167	10,371	30,092	23,924
3624	Public Conveniences - East	28,927	65,605	94,532	22,440	66,633	(27,899)
4162	Public Conveniences - Clermont	29,468	11,905	41,372	18,016	52,164	10,792
4164	Recreation Facilities - Clermont	28,489	384	28,873	51,897	143,900	115,027
4170	Parks, Gardens & Reserves - Clermont	186,647	55,482	242,129	306,226	871,102	628,974
4186	Parks, Gardens & Reserves - Moranbah	322,481	50,511	372,992	416,686	1,189,343	816,352
4610	Recreation Facilities - Moranbah	34,118	3,505	37,622	122,245	356,749	319,127
4611	Public Conveniences - Moranbah	12,742	4,729	17,471	38,946	115,137	97,667
6706	Write Off NCA - Land & Improvements	52,768	0	52,768	0	0	(52,768)
6708	Write Off NCA - Park Furniture	20,309	0	20,309	0	0	(20,309)
		1,758,828	288,155	2,046,983	2,299,635	6,457,458	4,410,475
Surplus/(Deficit)		(1,724,553)	(288,155)	(2,012,709)	(2,282,801)	(6,406,958)	(4,394,250)
Full Cost Recovery							
2833	Corp O'Heads & NCP Costs - Parks, Gardens & Cem	(1,759,888)	0	(1,759,888)	(1,759,888)	(5,279,664)	(3,519,776)
		(1,759,888)	0	(1,759,888)	(1,759,888)	(5,279,664)	(3,519,776)
Operating Surplus/(Deficit) less Full Cost Recovery		35,335	(288,155)	(252,820)	(522,913)	(1,127,294)	(874,474)

DEVIATION FROM BUDGET AND POLICY:

As per budget review process.

OPERATIONAL PLAN / BUSINESS PLAN – EXCEPTION REPORTING

Not Applicable

DEVELOPING INITIATIVES / ISSUES:

- Nil

INFRASTRUCTURE PLANNING AND TECHNICAL SERVICES

PREVIOUS MONTH'S ACHIEVEMENTS:

PROJECTS

Capital Works 2020-21: Ongoing Projects

- Valkyrie Road Pavement Design (TIDS 21-22): Attended site inspection; Preliminary scope has been developed and community consultation has taken place and approved by community and councillor. RFQ for the design services for pavement and sealing of Valkyrie Road complete unsealed section is in progress.
- Pioneer Road Design: Attended site inspection. Preliminary Scope has been developed. Arranging for Community Consultation. Road design to follow. Due to the changes in the TIDS project planning, Pioneer Road Construction proposed in FY 2022-2023, however this design project will be continued and shovel ready for execution.
- Barada Barna Welcome to Country Signage: Approval obtained from TMR and Barada Barna People for signs Installation. In procurement process, one response received from supplier for Supply and Delivery of Sign boards and accessories and evaluated. Contract yet to be awarded.
- Saraji Road Rehabilitation Project: Road sections for rehabilitation and Pavement Design has been finalised. Further soil testing (Unconfined Compressive Strength) has been planned. Offers received and yet to be awarded.
- Carmila Music Street Stormwater Restoration Project: Site has been inspected and preliminary planning is in progress.
- Bully Creek Bridge Design: Nomination has been successful in Bridge Renewal Program Round 5 grant program. RFQ for the design services for Bully Creek Bridge Replacement has been released and closing by 30th October 2020.
- Road Safety Treatments: Scoping completed and at planning for implementation in coordination with IPR in progress.

Capital Works 2019-20: Ongoing Projects

- CW202779 Philips Creek Bridge
 - Land resumption: Report on Negotiation with options recommendations has been submitted for DEI / CEO / Council for consideration
 - Cultural Heritage Clearances: Cultural Heritage obtained, conditions to be observed during Construction Stage.
 - Barada Barna Native Title search completed. No further action required
 - Telstra Service Relocation: Procurement process in progress and PO shall be issued on finalisation of Telstra Contract.
 - Ergon Service Relocation: Relocation works are expected to happen during November (subject to Ergon confirmation).

- The State Assessment and Referral Agency (SARA) consultation regarding water barrier works has been completed – General conditions received from DAF, DNRME, SARA. No formal applications are required.
- CW202784 Cycle Network Program 2019-20 – Cycle Track at Capricorn Street, Clermont under CNLGGP funding Program. Construction works has been completed.

Capital Works 2018-19: Ongoing Projects

- CW192673 Warwick Park Road The contract with Valor has been terminated and IPTS Section in the process of obtaining the Cultural Heritage and Native Title report to finalise project Awaiting response from the Consultant originally employed by Valor.
- CW192669 Grosvenor bridge Investigation – Instrumentation system has been installed by ARRB in collaboration with iComs UK and works are delayed due to COVI19 and data processing has been continued. After a series of discussion with ARRB, ARRB submitted a report with preliminary results from the monitoring system.
- ARRB noticed that the Camera stopped functioning and their team visited Moranbah on their way to other work to check in the camera and the system installed. They noticed that the Camera got shot on 14th March 2020 5.48pm by person unknown at this stage. This incident has been reported and will work on Insurance claim to replace the Camera. However, the fibre optic system continues to operate unimpeded. One of the main purposes of the camera was to identify the vehicle and validate the large events, that has been recorded earlier to March 2020.

The following is a brief report on the provisional findings experienced by ARRB. A more comprehensive report will be submitted to Council on receipt of the final outcomes, which is expected shortly:

The overarching aim for this project is to extend the life of Grosvenor Creek Bridge by better understanding its current and future level of service and by extension, Philips Creek and Hughes Creek Bridge, without the need for significant asset refurbishment or replacement.

This structure is one of the most utilised on the network receiving the most oversize and over mass (OSOM) permit requests. It is widely recognised in the bridge engineering fraternity that OSOM movement are typically those which utilise available structure capacity to maximum levels and their actual impact on infrastructure the least well understood. Thus, this has the most demanding combination of load and condition issues in the asset portfolio.

Data processing is continuing and in summary:

1. The fibre optic monitoring system continues to operate consistently.
2. As a general guide, the freight vehicles (road trains, B doubles etc) work the bridge hard, but based on preliminary analysis, are not of significant concern.
 - The biggest events recorded are Over Size/Over Mass (OSOM) events with data from the largest of these vehicles operate the bridge at levels which are of concern for long term asset integrity, although appropriate levels are poorly understood. The robustness of the deck unit bridge concept mean that a safety margin remains above this level of operation. (Summary records quantify peak events, with the largest events since monitoring began being recorded in September 2019. The highest strain recorded in the sensor CD17 occurred on 25 September 19 at 2:35 am.

- The highest strain recorded on a deck unit on AB16 which was caused by the same event (25 September 19, 2:35 am).
3. Over 100,000 heavy vehicle events have been recorded

While the data does not provide evidence of an immediate safety risk, it is suggested that events larger than that recorded on 25 September 2019 be actively discouraged. Ideally, broad ranging discussion on the OSOM/SPV operation of the bridge including stakeholders could assist with understanding the level of service requirements, and operational options to protect both asset integrity and safety. Processing of the full data set should facilitate that discussion.

Operational Works 2019-20: Ongoing Works

- Road Safety Audit (RSA) for School Bus Route and Road Infrastructure in the Roads around the schools in the ISAAC Coastal Area is in progress by SLR Consulting Engineers Australia. Final report has been submitted.
- The below table identifies additional ongoing IPTS activities.

Description	Activity	Outcomes
Traffic Counters	- Install traffic Counters - Update of traffic count data	Nil
Development Applications	-Inputs in assessment of Development Applications	Development Applications assisted – 8
Permits	- Works on Road Corridor - Driveway/Crossover - Grids	Works on Road corridor – 3 Land Access Activity – 3 Driveway/Crossover – 0 Installation of Grid – 1

PREVIOUS MONTH'S ISSUES:

Nil to report.

PROGRESS ON NATURAL RESOURCES

Gravel

RFQ for the winning of gravel material from Brewery Farm and Epping Forest pits has been award and will ensure continually progress with the resheeting program.

The Organisational Safety Team have assisted greatly with developing and drafting documentation to meet basic requirements of quarry safety management for Council to continuously improve in operations.

Water

Khartoum Dam – Offer to purchase newly constructed dam including easement

- Procurement have advised that given the value of the purchase would be considered as a medium sized contract arrangement this would still require a minimum of three quotes. However, as indicated, the required location of the water source to support Waltham Road is imperative, in which case the purchase can be tabled for approval via Council resolution based on the exception under section 235 - (a) *the local government resolves it is satisfied that there is only one supplier who is reasonably available.*
- Khartoum is positioned over the identified site that is required to close the gap (ideally a 20km distance between sources). Council already has a successful supply dam at neighbouring property Epping Forest.
- Negotiation are continuing to secure conditions from both landowner and Council under an easement agreement. Final consideration will be presented for Council resolution. Given the time frame it is predicted that funding the purchase will be presented in 21/22 budget bid.

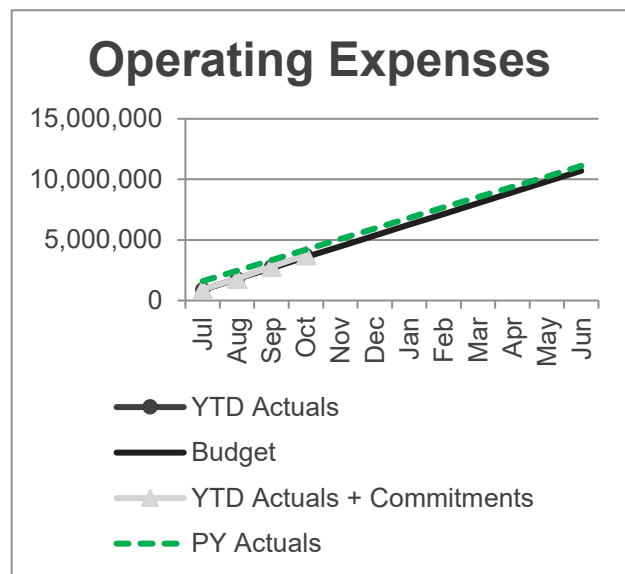
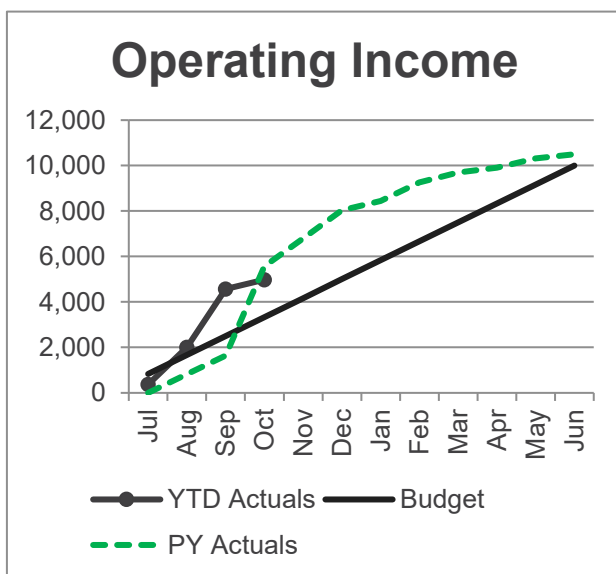
Frankfield Road – Charlton road reserve dam (new construction 12ML dam)

- Initial discussions and investigation with surrounding landowner have been positive. Location would capture a great overland flow. DNRME have confirmed that the site and proposed dam will be self-assessable and not require authorisation under the Burdekin Basin Water Plan.
- Cultural heritage clearance will now be arranged for the site.
- RFQ for construction of dam will be draft and prepared for new year release, also avoiding the potential weather delays of completion during the wet season.

FINANCIAL REPORT:

Operational Result From Period 1 - 4, 2021

Manager Infrastructure and Technical Services



- < Budget
- < 5% over Budget
- > 5% over Budget

Detail at M4 Level (Full Number)							
Cost Centre	Description	YTD Actuals	Commitments	YTD Actuals + Commitments	YTD Budget	Annual Revised Budget	Remaining Revised Budget
Operational Income							
1072	Regional Manager's Office - Technical Support	4,980	0	4,980	3,333	10,000	5,020 ●
		4,980	0	4,980	3,333	10,000	5,020
Operational Expenses							
1072	Regional Manager's Office - Technical Support	253,317	45,175	298,492	215,000	618,413	319,922 ●
1608	Bridge Management	0	0	0	40,000	120,000	120,000 ●
2157	Depreciation Expense - Roads & Drainage	3,453,764	0	3,453,764	3,323,549	9,970,646	6,516,882 ●
		3,707,082	45,175	3,752,256	3,578,548	10,709,059	6,956,803
Surplus/(Deficit)		(3,702,102)	(45,175)	(3,747,276)	(3,575,215)	(10,699,059)	(6,951,783)
Full Cost Recovery							
2832	Corp O'Heads & NCP Costs - Roads & Urban Service	3,808,841	0	3,808,841	3,808,841	11,426,522	7,617,682 ●
		3,808,841	0	3,808,841	3,808,841	11,426,522	7,617,682
Operating Surplus/(Deficit) less Full Cost Recovery		(7,510,942)	(45,175)	(7,556,117)	(7,384,056)	(22,125,582)	(14,569,465)

DEVIATION FROM BUDGET AND POLICY:

- Operational Works Bridges (BR1, BR2, BR4, BR17) – GBBO appointed consultant will field verify the ARRB inspection reports and quantify the scour protection works and other civil works to enable maintenance works.

DEVELOPING INITIATIVES / ISSUES:

Nil

Operational plan / Business Plan – exception reporting

Nil

NEXT MONTH'S PROGRAM:

Following works have been scheduled for next month.

Continuation with design and planning of Capital works projects.

- Black Spot Program (BSP) – Applications have been submitted on 17th July 2020. TMR review comments received and clarifications/response provided.
- Bridge Renewal program – Nomination for Bully Creek Bridge Replacement has been successful.
- Cycle Network Program 2021/22 – Among three (3) nominations, one nomination for Option Analysis Study has been successful and the other two nominations for Cycle Pathway in Clermont and Moranbah have not been officially rejected in this funding round.

INFORMATION BULLETIN

Report authorised by:

ROBERT PERNA

**DIRECTOR ENGINEERING AND
INFRASTRUCTURE SERVICES**

Date: 28 October 2020

ATTACHMENTS

- Nil