

## 9 INFRASTRUCTURE SERVICES

### 9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - AUGUST 2024

**Date Prepared:** 21 August 2024

**Author:** Manager Assets and Projects

**Attachments:**

1. Capital Works Highlights - August 2024 [↓](#)
2. Capital Works Summary - August 2024 [↓](#)

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#### EXECUTIVE SUMMARY

The purpose of this report is to provide an update on capital works projects undertaken by the Infrastructure Services Department during the month of August 2024.

#### RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of August 2024.

#### BACKGROUND

Council's Capital Works program is focussed on renewal and upgrade of Council infrastructure to achieve Council's corporate vision of "A growing, confident and sustainable Shire". The program is funded through a combination of Council's own funding and external grants and subsidies.

#### RISK IMPLICATIONS

##### Financial

The capital works program is tracking within budget.

##### Infrastructure and Assets

Projects included in the current capital works program were identified through Council's Project Prioritisation Tool (PPT) which uses a risk-based, multi-criteria approach to rank projects in order of priority. The PPT is aligned with Council's Long-Term Financial Plan and Asset Management sub-plans, which focus of renewal of existing assets.

#### FINANCIAL AND RESOURCE IMPLICATIONS

##### *Capital*

All capital works are listed in and funded by the 2023/24 Capital Works Program.

#### LINK TO CORPORATE PLAN

**Transport and Infrastructure:** The provision of quality infrastructure to service our growing community using sound asset management principles.

#### IMPLEMENTATION/COMMUNICATION

## Infrastructure Services Capital Works Report Project Highlights – August 2024



**Project Name: Mareeba Water Plant Filtration System Upgrade**

**Program: Water**

### Background

As part of the Mareeba Shire Water Strategy, Council has committed to undertaking upgrades to the Mareeba Water Treatment Plant to cater for future growth and ensure that safe and reliable drinking water continues to be supplied to residents and businesses. One of these upgrades is replacement of the ageing filtration system through construction of a new 6-cell filter block.

In addition to its own funds, Council has received grant funding towards upgrade of the Mareeba Water Plant Filtration System through the Queensland Government's Building Our Regions program.

### Scope of Works

The scope of works includes:

- Construction of a new filtration system consisting of 6 dual media filters with inlet valve/penstock and magnetic flowmeter
- Construction of small new building to house backwashing system
- Construction of a new backwashing system consisting of backwash pumps, air scour blowers, float switches, backwash control valves, filter to waste capability, connection to existing wastewater handling system and associated pipework and valves
- All necessary valve actuators, motors, drives and instrumentation for automated control of the filters and connection to existing electrical and SCADA control systems
- Modification of existing pipework to connect to new filters
- Earthworks and building approvals
- Commissioning and Testing
- Removal of redundant equipment

### Progress Update

Works have progressed well with the contractor almost completing the electrical and mechanical fit out along with road pavement reinstatement. Commissioning to be scheduled once testing of the electrical and mechanical equipment is finalised.



*Installation and reinstatement of road pavement*

**Infrastructure Services Capital Works Report  
Project Highlights – August 2024**



*Installation and reinstatement of road pavement*

## Infrastructure Services Capital Works Report Project Highlights – August 2024



**Project Name: Mareeba Water Plant Booster Pump Station Project**

**Program: Water**

### **Background**

As part of the Mareeba Shire Water Strategy, Council has committed to undertaking upgrades to the Mareeba Water Treatment Plant to cater for future growth and ensure that safe and reliable drinking water continues to be supplied to residents and businesses.

The upgrading of the existing Mareeba Water Plant Booster Pump Station will achieve two (2) critical elements; to lift the firefighting capacity in the Mareeba Township area as there are significant and ongoing pressure issues on the western side of the township, and to ensure Council meets the minimum required water pressure standards to its residents due to increased residential developments particularly on the eastern side and to the southern side of Mareeba.

Mareeba Water Plant Booster Pump Station Upgrade is funded by the Federal Government through the Black Summer Bushfire Recovery Grants Program (BSBRGP) and Mareeba Shire Council.

### **Scope of Works**

The project will upgrade the clear water pump station at the Mareeba township Kowa Street water treatment plant (WTP). The works to be completed are:

- Structural design and certification of new Mareeba BPS building and associated building services works (HVAC, Fire Protection and Building Hydraulics)
- Procurement of pumps, generators and VSD's;
- Construction of the Booster Pump Station including the provision of pumps, switchboards, generator and surge vessels;
- Connection of the new pump station to existing trunk water infrastructure;
- Site civil, pavements, conduits and drainage, and site reinstatement works;
- Construction of concrete slab mounted surge vessel on inlet to Centenary Park BPS and associated pipeworks; and
- Commissioning of the Booster Pump Station for Council operation.

### **Progress Update**

Works now completed with project reaching practical completion at the end of July. As soon as the new surge vessels arrive they will be installed and the pumps will then be formally turned on.



**Infrastructure Services Capital Works Report  
Project Highlights – August 2024**



*Site works have now been completed*

## Infrastructure Services Capital Works Report Project Highlights – August 2024



**Project Name:** Mareeba Water Plant Raw Water Pump Station Project

**Program:** Water

### Background

The existing raw water pump station (including electrical controls) is located below the 1-in-100 year return river flood level presenting an on-going hazard for Council. The project will upgrade the raw water pump station at the Mareeba Township Kowa Street water treatment plant (WTP) to provide a new kiosk-style electrical control station that is located above the 1-in-100year return flood level, in addition to replacement of the existing pumps with new pumps.

Grant funding for the Mareeba Water Treatment Plant Raw Water Pump Station Upgrade through the Queensland Government Local Government Grants and Subsidies program (LGGSP) and Mareeba Shire Council.

### Scope of Works

The scope of this project is to construct a new Booster Pump Station (BPS) at the Mareeba WTP which includes:

- Modifications to the existing roof opening, hatch replacement, provision of handrails and stairway.
- Demolition works above ground and in the pump well (confined space entry).
- Maintaining RAW water supply for the duration of the works.
- Switchboard manufacture and underground cabling works (electrical and SCADA).
- Staged pump replacement in a confined space dry well (2 No. pumps).
- Pipework modifications, new fittings, and custom S.S. pipework fabrication within a confined
- Staged pump commissioning and overall project commissioning.

### Progress Update

The project is now completed with the pumps and mechanical and electrical works commissioned.



*Installation of new valving and installation of new infrastructure.*

## Infrastructure Services Capital Works Report Project Highlights – August 2024



**Project Name:** Myola Road – Mill/Fill and Seal

**Program:** Urban Streets

### Background

In the 2023/2024 Capital Works Program Road to Recovery (R2R) funding was made available to undertake pavement milling with asphalt patching followed by a C170 bitumen seal to waterproof a three (3) km section of Myola Road to extend the pavement's functional life.

### Progress Update

The mill/fill process recommenced in early August at the southern end of Myola Road. This portion of the works was completed mid-August. The 14mm bitumen reseal will be undertaken in mid-September with line marking to follow.



*Milling of failed section near Jarawee Road intersection*



*Milled section prepped for asphalt*



*Completed section*



*Asphalt density testing*



## Infrastructure Services Capital Works Report Project Highlights – August 2024



**Project Name:** Springmount Road – Rehabilitate and Widen Collins Weir Intersection and Channel Crossing (Ch 6.7 – 7.55)

**Program:** Rural Roads

### Background

Springmount Road is classed as a Local Road of Regional Significance (LRRS) under the Roads and Transport Alliance and a critical transport route, servicing the regional sugar mill and landfill facilities as well as quarrying and agricultural properties.

In 2020, Council received a request through the Traffic Advisory Committee from a representative from the heavy transport industry to widen several curves on Springmount Road to provide adequate lane widths to cater for heavy vehicles.

The project is jointly funded (50/50) by the Queensland Government under the Transport Infrastructure Development Scheme (TIDS) and by Council.

### Scope of Works

The scope of works includes the relocation of fibre optic cable and a power pole, rehabilitation and widening of the Collins Weir/Springmount Road intersection, the widening to two (2) traffic lanes of the channel crossing and the widening of the existing bitumen seal towards Middle Creek Road.

### Progress Update

The project was completed mid-August with the bitumen sealing of the road widenings, intersection asphaltting and line marking.



*Collins Weir Road/Springmount Road Intersection - before*



*Collins Weir Road/Springmount Road Intersection - after*



*Channel overflow crossing - before*



*Channel overflow crossing – after*



## Infrastructure Services Capital Works Report Project Highlights – August 2024



**Project Name:** Ootann Road Section 1 and 2 Widen and Seal

**Program:** Rural Roads

### Background

On 16 November 2023, Mareeba Shire Council received confirmation from the Australian Government that funding from the Investment Road and Rail Program would be made available to undertake widening and sealing works on Ootann Road. The funding will cover 80% of the design and construction costs with the Transport Infrastructure Development Scheme (TIDS) contributing 10% and Mareeba Shire Council the remaining 10%.

### Scope of Works

The scope of works includes the widening, sealing and drainage upgrade of two (2) unsealed sections of Ootann Road. Section 1 is from Ch 79.69 to Ch 81.99 and Section 2 is from Ch 75.72 to Ch 77.68.

### Progress Update

During August, new 600mm RCP culverts were installed in Section 2. Cut to fill operations continued in both Section 1 and 2. Works are progressing well although the occurrence of rock in numerous locations will require rock breaking equipment. The rock breaking process is expensive and slow work and will likely have an impact on the project's progress.



*New RCP Culvert 13H*



*Earthworks to subgrade level*



*Cut to fill works*



*Embankment works*

## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
<b>Program: 01 Rural and Urban Roads Reseal Program (Renewal)</b>			
CP0003731	24/25 Bitumen & Asphalt Reseal Program	Procurement	Prestart meeting for the 24/25 Reseal Program to be held in Cairns early September.
CP0003732	24/25 Gravel Resheet Program	Construction	Hurricane/Karma Waters Road resheet completed in early August. Further resheets are programmed for late August/September at Wolfram Road, Braund Road and Metzger Road.
CP00835	DRFA Gully Betterment	Construction	Works continue on the Gully Betterment Program, crossings in the Western Area underway, on track for completion prior to end of year wet season.
<b>Program: 02 Gravel Resheet</b>			
CP0001022	23/24 Gravel Resheet Program	Completed	Project completed August 2024. Waiting on invoices for external plant hire to close project out.
<b>Program: 03 Urban Streets</b>			
CP0001023	Recovery Way (WTS) Rehab Ch 0.176-0.272	Procurement	Procurement will commence September 2024.
CP0001024	Myola Rd Ch 0.2-3.06	Construction	Mill/fill asphalt works complete. 14/7 bitumen reseal to be undertaken late September.
CP00795	TIDS 23-27 Herberton/Constance Inter	Design	Final design being reviewed to verify civil and electrical designs and address potential clashes with stormwater and sewer.
CP00797	TIDS 22/23 24/25 Rankin/Walsh St R'bout	Design	Design underway, stormwater clarifications finalised by mid August, detailed design to be completed September 2024. Tender for Construction targeted prior to the end of 2024.
<b>Program: 04 Rural Roads</b>			
CP0000949	TIDS 23-25 Springmount Rd Ch 6.7-7.55	Completed	Project completed August 2024.
CP0002040	KDA Barron Falls/Masons Rd/Falls Lookout	Planning	Survey and soil investigations scheduled for October.
CP0002041	KDA Barron Falls Rd Thongon-Mason Roads	Planning	Survey and soil investigations scheduled for October.
CP0002042	MBA James St Mill & Fill	Not Commenced	Scope defined and survey and lab investigations underway. Design detailing to be provided asap.
CP0002048	KDA Kuranda Heights Rd Intersection	Planning	Survey and soil investigations scheduled for Sept/October.
CP0002050	MBA McIver Rd Rehab & Widen	Planning	Designs to be completed prior to end of year 2024 by external design consultant.
CP0002060	KDA Oak Forest Rd Rehab & Widen	Planning	Survey and soil investigations scheduled for Sept/Oct period.
CP0002066	DIM Leafgold Weir Rd Widen Curves	Planning	Soil investigation and survey work advanced. Design work to begin in September.
CP0002069	MBA Chewko Rd Rehab/Widen & Seal	Design	Design review in progress with construction programmed for 2025.
CP0003753	MBA Byrnes St Safety Upgrades	Design	RFQ proposed to be released September 2024.

## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
CP00801	TIDS Ootann Rd Section 1&2 Widen & Seal	Construction	Section 1: Lay and compact fill for culverts to trafficable height, culvert bedding. Section 2: Lay and compact fill for culverts to trafficable height, culvert bedding, excavate culverts to depth, lay and compact embankment, install RCPs for Culvert 13H.
<b>Program: 05 Bridges</b>			
CP0001558	MBA Tinaroo Creek Rd Ada Creek Causeway	Not Commenced	Design to be done inhouse and scheduled for delivery by 30 June 2025.
CP0001564	KDA Oak Forest Rd, Barron River Bridge	Procurement	GHD have finalised design and specification details. GHD are preparing RFT documents for procurement September 2024.
CP00713	Bicentennial Lakes F/bridge Safety Upgr	Construction	Handrail currently being fabricated by LM Engineering. Should be available for installation for early September.
CP00839	Bullaburrah Ck Rd C'way Relieving Slab	Not Commenced	Not commenced.
CP00841	Bolton Rd Inspect/Design/Repl Girders	Construction	Draft Report received, review underway.
CP00843	Barron River Cwy Henry H Dr Repl Slabs	Not Commenced	Not commenced.
<b>Program: 06 Drainage</b>			
CP0001598	24/25 Renew Minor Culverts & Drainage	Planning	Culvert replacements are planned for Armstrong Road and Borzi Road. No program dates set as yet.
CP0003689	MBA CBD Drainage Upgrade Stage 1	On Hold	Waiting for deed of agreement from Australian Government before project can commence.
CP0003690	MBA Ray Rd Culvert Upgrade	Planning	On-going investigation. Project linked to Ray Road drainage study.
CP0003695	Irvinebank Jessie St/Rubina Tce Upgrade	Not Commenced	Investigations scheduled for November.
CP00844	MBA Amaroo Drainage Upgrades	Design	Design handover documentation to be finalised and provided to Construction.
CP00938	Tilse Street Upgrade Drainage	Completed	Practically Complete. QA documentation and Financial Close out underway.
<b>Program: 07 Traffic Facilities</b>			
CP0000947	Mareeba Aerodrome Safety & Repairs	Procurement	Awaiting fire-fighting system upgrade quotation from Contractors. Line marking and Lighting amendments awarded, works programmed for October 2024.
CP0000951	Anzac Ave LATM Upgrades	Construction	Speed activated signage works to be completed.
<b>Program: 08 Parking</b>			
CP00846	MBA Heritage Centre Carpark Extension	Design	Carpark connecting footpath through Centenary Park in design review.
<b>Program: 09 Footpaths</b>			
CP0001026	23/24 Footpath Renewal Program	Construction	RFQ closed Lloyd St and Atherton St Footpaths. Works expected to commence Sept 2024.



## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
CP0001027	23/24 Footpath Upgrade Program	Planning	Proposed to be used to leverage Walking Local Government Grants program for Constance St connection.
CP0001665	Mt Molloy Footpath & Furniture Refurb	Planning	Designs scheduled for October.
CP0001666	KDA Barron Falls Rd Replace Footpath	Design	Design to commence from late September.
CP0001742	MBA WNP Constance-Lloyd St Footpath	Design	STIP funding notification pending.
<b>Program: 10 Parks and Gardens</b>			
CP0001029	Kda Com Precinct Parks Upgrade	Planning	Planning to progress in 2024.
CP0001803	Julatten Geraghty Pk Refurb Playground	Not Commenced	Planning to commence in early 2025.
CP0001805	MBA Bicentennial Lakes Northern	Not Commenced	Waiting for deed of agreement from Australian Government before project can commence.
CP0001843	KDA Hunter Park Fallon Rd Bollards	Completed	Project complete August 2024.
CP0001871	MBA Centenary Park Upgrade Fencing	Planning	Procurement stage - Vendor panel. Further scoping works for carpark connection via footpath.
CP0003670	MBA Amaroo Park Shade	Not Commenced	Works proposed 2025.
CP00805	Chillagoe Parks Improvement	Completed	Town Hall playground surround replaced 29/08/2024.
CP00807	KDA Centenary Park Playground Upgrade	Construction	Footpath improvements to be programmed as part of Coondoo Street Upgrade Project.
CP00809	MBA Bicentennial Lakes (Southern) D&C	Construction	Assessing scope and cost to install a fence to stop children running up the slide embankment. Arched footbridges replacement with accessible footbridges construction commenced.
CP00860	KDA Anzac Park Landscaping	Construction	Asphalt footpath complete. Works for concrete pad and picnic table to be installed early September.
CP00861	KDA Coondoo Street Refurb	Procurement	Funding Deed of Agreement pending. RFT for the Coondoo Footpath Pavement Refurbishment and Upper Coondoo LED Lighting Upgrade close mid September 2024.
CP00862	KDA CBD Planter Boxes & Gardens	Planning	Deed of Agreement with Queensland Government being developed. Works to commence once agreement is signed.
<b>Program: 11 Water</b>			
CP0001036	23/24 AC Water Main Replace Program	Completed	Completed July 2024.
CP0001037	23/24 Water Telemetry/SCADA Upgrades	Completed	User training completed in August.
CP0001038	23/24 Retic Valve/Hyd Replace Program	Construction	New valves to be installed Lerra and Byrnes St as part of Booster Pump Station commissioning.
CP0002670	FY24/25 - WTP Minor Infrastructure	Procurement	RFQ's issued for various works which will be ongoing throughout 2024-2025.
CP0002671	FY24/25 - Water Main Replacement	Construction	Procurement complete. Works awarded to A & B Civil. Pre-start meeting booked early September 2024.
CP0002672	FY24/25 - KDA WTP Turbidity Meters	Procurement	Equipment on order and once arrives will be installed.

## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
CP0002674	FY24/25 - DIM WTP Turbidity Meters	On hold	On hold pending review of existing equipment.
CP0002675	FY24/25 - Replace Chlorine Analysers	Procurement	Equipment ordered and awaiting arrival.
CP0002677	FY24/25 - Telemetry/SCADA Upgrades	Planning	Preparing RFQ's for works required, once this has been completed, procurement will commence.
CP0002680	FY24/25 - Hydrants & Valve Renewal	Planning	A program of works has been developed and will be undertaken throughout the 2024-25 FY.
CP0002682	FY24/25 - Irvinebank Ibis Dam PS	Planning	Quotes to be sourced from suppliers for the acquisition and installation.
CP0002683	FY24/25 - DIM WTP Pump Replacement	Planning	An assessment on the pumps will be undertaken during the November servicing works schedule.
CP0002684	FY24/25 - Smart Meters Replacement	Construction	This project is ongoing throughout 24-25.
CP0002762	FY24/25 - MBA WTP Refurbish Clarifiers	Procurement	Tender on project has closed and will be awarded at September meeting subject to funding agreement being signed by Queensland Government.
CP0002764	MtM Replace Hunter Ck Weir	Planning	Dam specialist from GHD undertook an initial inspection which we now need to progress to formal assessment and reporting on the weir.
CP0002921	MBA Booster Pump Station Relocation	Planning	This project will commence once the new water booster station at the Mareeba WTP formally comes online during September.
CP0003667	FY24/25 Irvinebank Ibis Dam Valves	Planning	The procurement process will commence in due course and its hoped that the new valves can be installed prior to the impending wet season.
CP0003668	CHI Renew Water Line	On Hold	Project will be done if there are available funds left over from the water main replacement project for 2024-2025.
CP0003734	MBA WTP Fuel Pod For Generator	Procurement	Fleet coordinator to acquire the new fuel pod for installation late September or October.
CP00730	Mba WTP Study for Upgrade of WW System	Construction	Works are likely to be completed by end of September. We need two key projects at the Mareeba WTP to be commissioned before we can finalise.
CP00733	BOR6 MWTP Filtration Upgrade	Construction	Project is almost at practical completion stage, testing of mechanical and electrical equipment underway and once completed, the commissioning will commence.
CP00824	MBA Clear Water Booster Pump Station	Construction	Project reached practical completion at end of July. Grant acquittal process is underway with an external audit on the project as per the funding requirements. The booster pumps will formally come online sometime during September once the new surge vessels are installed.
CP00874	MBA WTP Raw Water Pumps & Electrics	Construction	Project has reached practical completion stage with both new pumps now commissioned and running. There is still some minor works yet to do but these will be finished in the coming weeks.
CP00878	MBA Decommission Basalt St Elevated Tank	Planning	This work will be done in conjunction with the final commissioning of the booster pump station.
CP00879	MBA Decommission Granite Ck Pump Station	Planning	Project will commence once the new water booster station project has had its final commissioning in September.

## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
<b>Program: 12 Wastewater</b>			
CP0001040	Mba WWTP Purchase Forklift	Procurement	Forklift being delivered in September.
CP0001041	Mba WWTP Inlet Works Replacements	Construction	Waiting on LM Engineering to complete their works.
CP0001043	Atherton St Pump Station Refurb	On Hold	Project subject to grant funding.
CP0001046	23/24 WW Telemetry/SCADA Upgrades	Close Out	Project now completed and can be closed out.
CP0001047	23/24 WW CCTV & Relining Program	Completed	Project completed with reduced scope in June 2024.
CP0001050	Kennedy Hwy PS Control Board Upgrade	Construction	New switchboard to be installed mid to late September.
CP0001053	23/24 WWPS Refurbishment Program	Construction	Final works scheduled for September and October.
CP0002474	FY24/25 - MBA Sewer CCTV & Reline Prog	Planning	Planning underway subject to review of inspection data.
CP0002475	FY24/25 - WW Pump Station Ancillary	Not Commenced	Site assessments were done in 2023-2024 FY and an RFQ will be developed and issued during September / October.
CP0002476	FY24/25 - WW Reticulation Pumps Renewal	Not Commenced	To be assessed in November as part of scheduled pump servicing.
CP0002477	FY24/25 - Telemetry/SCADA Upgrades	Not Commenced	Preparing RFQ's for works required, once this has been completed procurement will commence.
CP0002479	FY24/25 - Pump Station Generators x 2	Procurement	A RFQ was issued for the supply and installation of new generators and successful provider awarded the works, there is a lead time on the delivery of the generators and once they arrive installation will occur.
CP0002480	FY24/25 - Manhole Rehab & Replace	Procurement	Procurement underway. Tender closes early September.
CP0002481	FY24/25 - MBA Constance St Rising Main	Planning	Design in progress. Grant funding sought for construction. Short section to be completed as part of Herberton St - Constance St roundabout.
CP0002482	FY24/25 - KDA WWTP Renew Control Panels	Procurement	RFQ was issued and Circuitree Electrical Solutions undertaking electrical works.
CP0003715	KDA WWTP Renew 6x4m Shed	Procurement	Quotes sourced and works will commence once awarded.
CP0003722	KDA WWTP Renew 6x6m Shed	Procurement	Quotes sourced and works will commence once awarded.
CP00889	22/23 MBA Sewer CCTV & Relining	Construction	Sewer reticulation smoke detection and CCTV imaging works currently underway with an expected completion timeframe of end of September.
<b>Program: 13 Waste</b>			
CP0002216	KDA TS New Ablution Block	Procurement	RFQ Submission received. Submission evaluation commenced.
CP0002220	MBA TS Leachate Pump Annual Program	Not Commenced	There has been some issues highlighted with accessing the pumps, this is now under review and a methodology will be developed to mitigate any risks.



## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
CP0002221	MBA TS Leachate PS Pump	Not Commenced	There has been some issues highlighted with accessing the pumps, this is now under review and a methodology will be developed to mitigate any risks.
<b>Program: 15 Fleet</b>			
CP0001071	Fleet Replace #1231 Toyota WW	Procurement	Awaiting delivery of vehicle.
CP0003738	Replace Asset 741 Street Sweeper	Not Commenced	Project is in planning phase.
CP0003739	Replace Asset 620 Job Truck	Planning	Project is in planning phase.
CP0003740	Replace Asset 1255 Toyota Hilux	Planning	Project is in planning phase.
CP0003741	Replace Asset 1274 Toyota Hilux	Planning	Project is in planning phase.
CP0003742	Replace Asset 4052 Kubota Mower	Planning	Project is in planning phase.
CP0003743	Replace Asset 5005 MF Tractor/Loader	Planning	Project is in planning phase.
CP0003752	Replace Asset 3010 Toyota Landcruiser	Planning	Project is in planning phase.
<b>Program: 16 Depots and Council Offices</b>			
CP0001597	CHI Depot Office Renewal	Planning	Planning commenced.
CP0003765	MBA Kowa St Depot Fuel Bowser	Procurement	RFQ Submissions received. Evaluation in progress.
CP00759	Kowa St MSC Depot Emergency Generator	Planning	Investigations recommenced.
<b>Program: 17 Community Buildings</b>			
CP0001059	Mba/Dim Aquatic Condition Assessment	Planning	RFQ development has begun, intent to release to market in October 2024, with delivery of project prior to end of year.
CP0001632	Annual Toilet Refurbishment Program	Planning	Planning stage.
CP0001637	KDA Library Paint & Roof Improvements	Planning	Planning stage.
CP0001639	Annual Minor Building Refurbishment	Planning	Planning stage.
CP0001646	KDA Recreation Centre Improvements	Not Commenced	Not Commenced.
CP0001664	Annual Facilities LED Lighting	Not Commenced	Not Commenced.
CP0002909	DIM Memorial Hall Park Lighting Upgrade	Procurement	Propose to engage contractor undertaking electrical works as part of Shire Hall electrical upgrades.
CP0003718	MBA Davies Park Field 2 Lighting Upgrade	Design	Design stage.
CP0003729	MBA Aquatic Centre Pool Expansion Joints	Planning	Planning commenced with pool operator.
CP0003756	MBA Davies Park Field 1 Lighting Upgrade	Design	Previous design being reviewed in preparation for procurement. Funding agreement executed with Queensland Government.
CP00749	Aquatic Facility Upgrades & Splash Park	Construction	Ergon work scheduled 5-6 Sept. Facilities notified of full power outage requiring Aquatic Centre closure.
CP00793	MBA Women's Restroom Refurb	Planning	Investigations for options to re-commence September 2024.

## Infrastructure Services Capital Works Summary Report - August 2024



Project Code	Project Description	Project Stage	Project Comment
CP00819	22/23 Shire Toilet Facility Repl Program	Construction	Arnold Park Toilet Repairs/Refurbishment completed in August following significant vandalism incident.
CP00909	KDA Aquatic Cnt 25m Pool Aquaris Upgrade	Procurement	Delays due to contractor availability, works remain required.
CP00941	23/24 Park/Sporting LED Lights Arnold Pk	Design	Reviewing Electrical Engineering Report before going out to Quote.
CP00942	22/23 DIM Town Hall A/C/Solar/Lighting	Construction	MSB to be installed mid-September.
<b>Program: 18 Non-Infrastructure Items</b>			
CP0000946	Mba Cemetery New Mausoleum Wall	Completed	Practical completion reached. Awaiting last of invoicing from contractor.
CP0001085	Mba Cemetery Expansion Planning	Planning	Investigations into concept options identified, to commence concept designs September 2024.
CP0003684	MBA New Cemetery Lawn Plaque on Beam	Not Commenced	Beam will be installed before the end of this calendar year.
CP0003716	MBA Smartnet GPS Base Replacement	Planning	Documents being prepared for RFQ.
CP0003717	KDA Heights Cemetery Lawn Plaque on Beam	Not Commenced	Will be constructed after 2024/25 wet season.
CP00446	Kuranda New Cemetery	Construction	Gabion wall design and procurement commenced.
CP00932	MBA MIP Expansion	Design	Detail Design RFQs to be invited early September.

**9.2 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - AUGUST 2024**

**Date Prepared:** 21 August 2024  
**Author:** Manager Technical Services  
**Attachments:** Nil

**EXECUTIVE SUMMARY**

The purpose of this report is to outline Council's Fleet, Design, Soils Lab, Survey, Quality, GIS, Facilities and Investigation Services activities undertaken by Infrastructure Services during the month of August 2024.

**RECOMMENDATION**

That Council receives the Infrastructure Services, Technical Services Operations Report for August 2024.

**BACKGROUND****Technical Services**Design, quality, and investigations:

Investigation activities undertaken in August included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	67	18
Drainage Investigations	34	8
NHVR Permit Applications	0	16
Traffic Count Surveys	0	20
Parks Investigations	5	2
Miscellaneous e.g. Planning; Local Laws	27	14
Before You Dig Requests	0	99

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. The laboratory delivered 178 tests in August, with the majority being for external clients.

GIS

Ongoing improvements to GIS data associated with water, sewerage, roads, underground stormwater, and kerbs asset data sets continues, as information is received from other areas of Council.

Operational Works and Subdivisions

To ensure ongoing compliance with development conditions, both during construction and on-maintenance, Council undertakes routine inspection and monitoring of sites. The following developments remain current:

Locality	Subdivisions Name	Status
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Kuranda	Jum Rum Rainforest Estate Stage 1, Fallon Road	On-maintenance
Kuranda	Christensen Road, Myola Heights – Stage 2a	On-maintenance
Mareeba	Emerald End Road and Country Road – Stage 3	On-maintenance
Mareeba	Emerald End Road and Country Road – Stage 4	Under construction
Mareeba	The Rise – Catherine Atherton Drive – Stage 3	On-maintenance
Mareeba	Amaroo Stage 13a	On-maintenance
Mareeba	Amaroo Stage 12 – Drainage Infrastructure	On-maintenance
Mareeba	Prestige Gardens Stage 1-4	On-maintenance
Mareeba	Prestige Gardens Stage 5-6	Under construction
Mareeba	Kenneally Estate Stage 4	On-maintenance
Mareeba	Mareeba Roadhouse and Accommodation Park, Williams Close	On-maintenance - Monitoring
Mareeba	7 Kenneally Road	Under construction
Mareeba	9 Kenneally Road	Under construction
Kuranda	Jum Rum Rainforest Estate Stage 2, Fallon Road	Under construction

#### Disaster Recovery Funding Arrangements (DRFA)

The DRFA is jointly funded by the Commonwealth and Queensland governments to help alleviate the costs of relief and recovery activities undertaken in disaster-affected communities by delivering recovery activities to return affected eligible assets back to pre-event condition. The status of declared disaster events currently being managed are provided below:

Program	Status
2022 DRFA	Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. The Gamboola Crossing bridge remains the only current project, with approximately 90% of the structure now completed. Work remains on track for completion prior to end of October 2024.
2022 Betterment	The Gully Betterment contract is nearing completion, with completion of works targeted for October 2024.
2023 DRFA	Northern and Central Queensland Monsoon and Flooding Event, 20 December 2022 – 30 April 2023. Contracts for the reconstruction of essential infrastructure were awarded April 2024, and all works have commenced. Contracts remain on track for completion prior to end of year.
2023 Cyclone	Declared event December 2023 - 'Tropical Cyclone Jasper, associated rainfall and flooding, 13 – 28 December 2023'. Damage assessments are continuing, with restoration submissions targeted for delivery prior to end of September 2024.  Kuranda Landslip Remediation Projects: Hilltop Close has reached practical completion and Barron Falls Road nears completion.  Works to replace Bushy Creek Bridge, Mt Lewis Road, Julatten have commenced with works targeting completion prior to end of year.  Jarawee Road, Kuranda, Landslip: Onsite works have commenced.  Emerald End Road and Carmen Road crossings: Council resolved to award tenders, with works to commence at Emerald End Road first.

Program	Status
	Extraordinary Clean Up Works:

## Facilities

### Facilities:

Facilities	Activity
Kuranda Community Precinct - Walkway	Repairs commenced on the pathway that links the large shelter to the Amenities block.
Dimbulah Hall	The interior of the hall has undergone a thorough cleaning, and the mould has been eliminated from the ceiling.
Arnold Park Public Toilets	The restrooms have been repaired, doors have been replaced, the exterior has been painted, and several fixtures have been updated.
Mareeba Animal Refuge	Door springs were replaced, and bottom plates were added to prevent small dogs from escaping.
Council buildings	<ul style="list-style-type: none"> <li>Maintenance and cleaning of air conditioning units in Council Buildings commenced.</li> <li>Contractor has successfully finished 90% of the initial phase of electrical test &amp; tagging, as well as RCD testing, for all Council buildings and equipment.</li> </ul>



*Arnold Park Public Toilets repaired*



*Mareeba Animal Refuge repairs*

The cleaning contract for Kuranda and the surrounding area is approaching its renewal period. Tenders have been called, with the aim to present a recommendation for consideration at the Council Meeting in October.

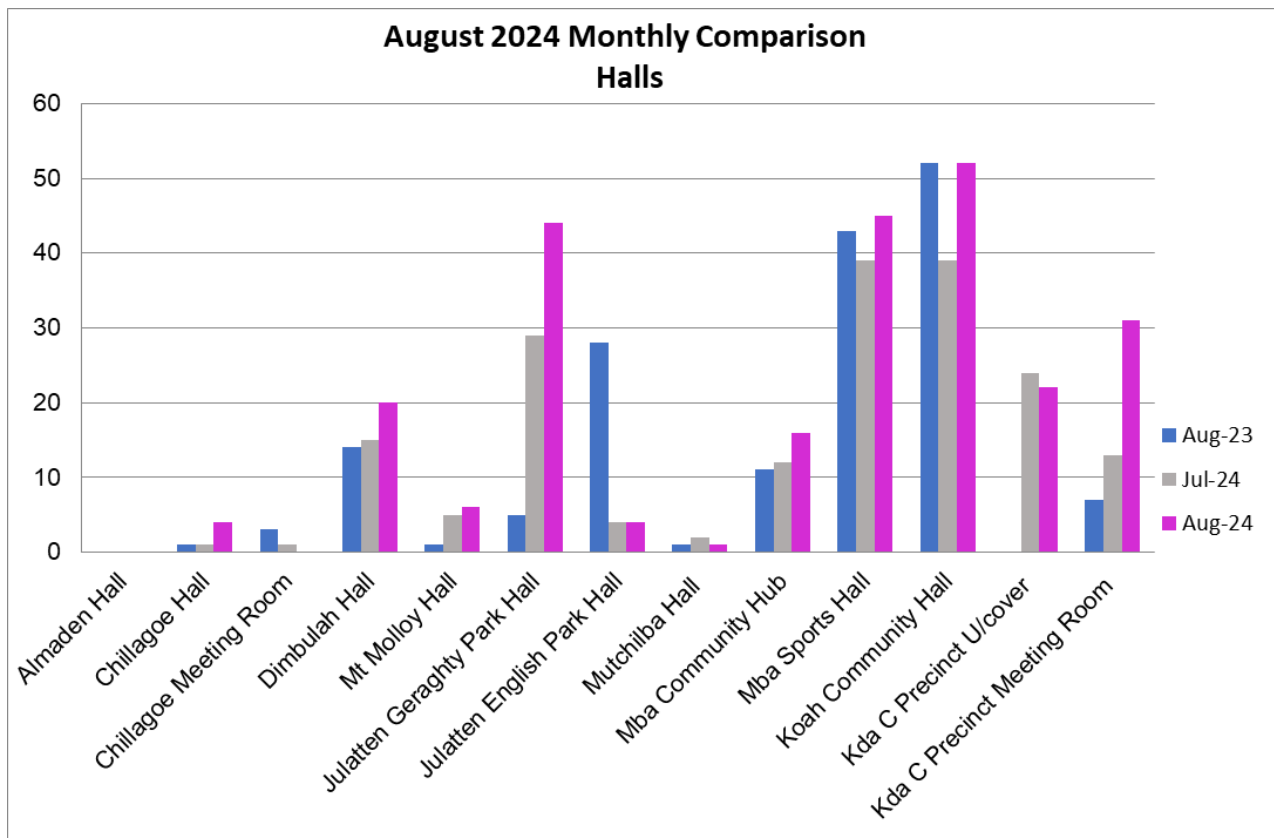
A contract awarded to undertake servicing and inspection of septic tanks in Julatten, Mt Molloy, Mareeba, Kuranda, and Speewah is scheduled to commence in the first week of September.

During the month of August, a total of 15 building assessments were conducted, resulting in the identification of 78 defects across the properties. The predominant issues noted pertain to the cleaning of both the interior and exterior of the buildings, as well as the need for gutter cleaning and general maintenance. These defects will be prioritised, and necessary work initiated in line with budget constraints.

#### Community Halls:

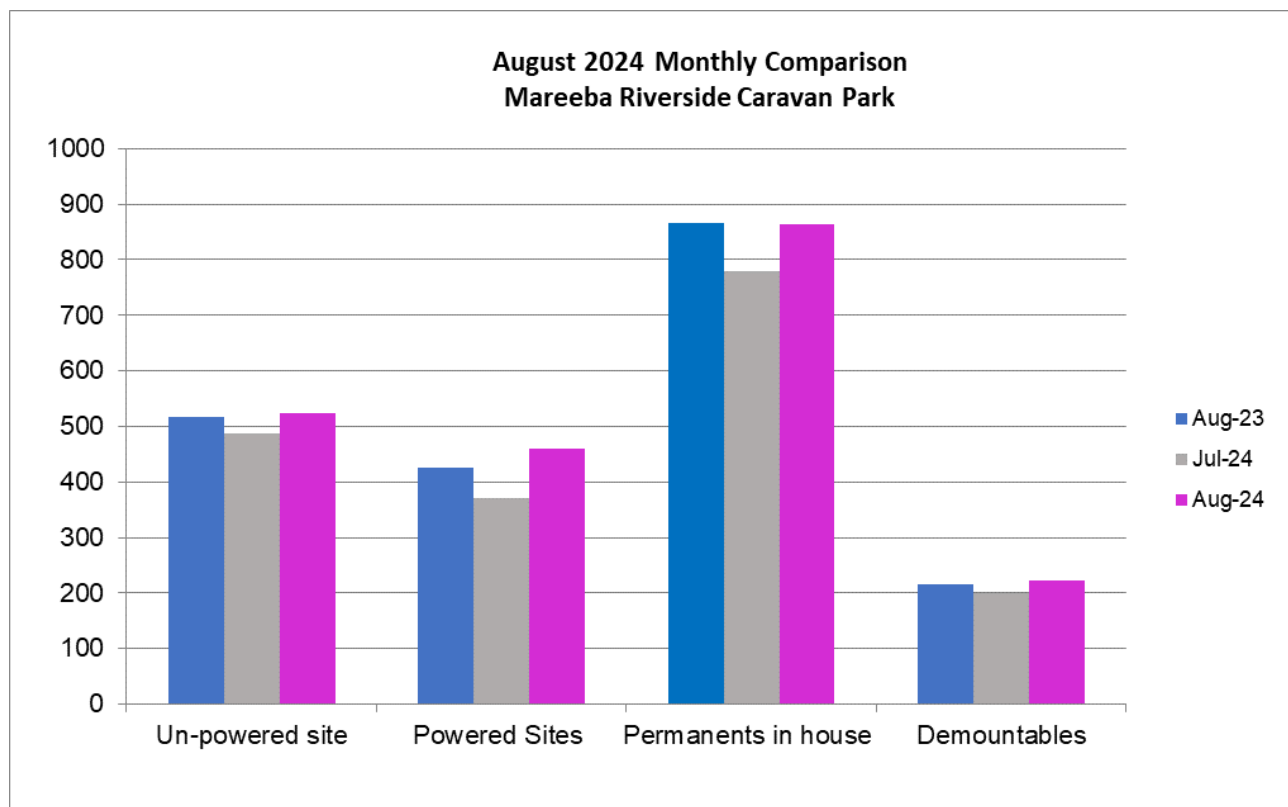
Maintaining safe and efficient access to Council's Community Halls is recognised as an important aspect for the community's ongoing wellbeing. Generally, utilisation for the month improved against previous month and year numbers.



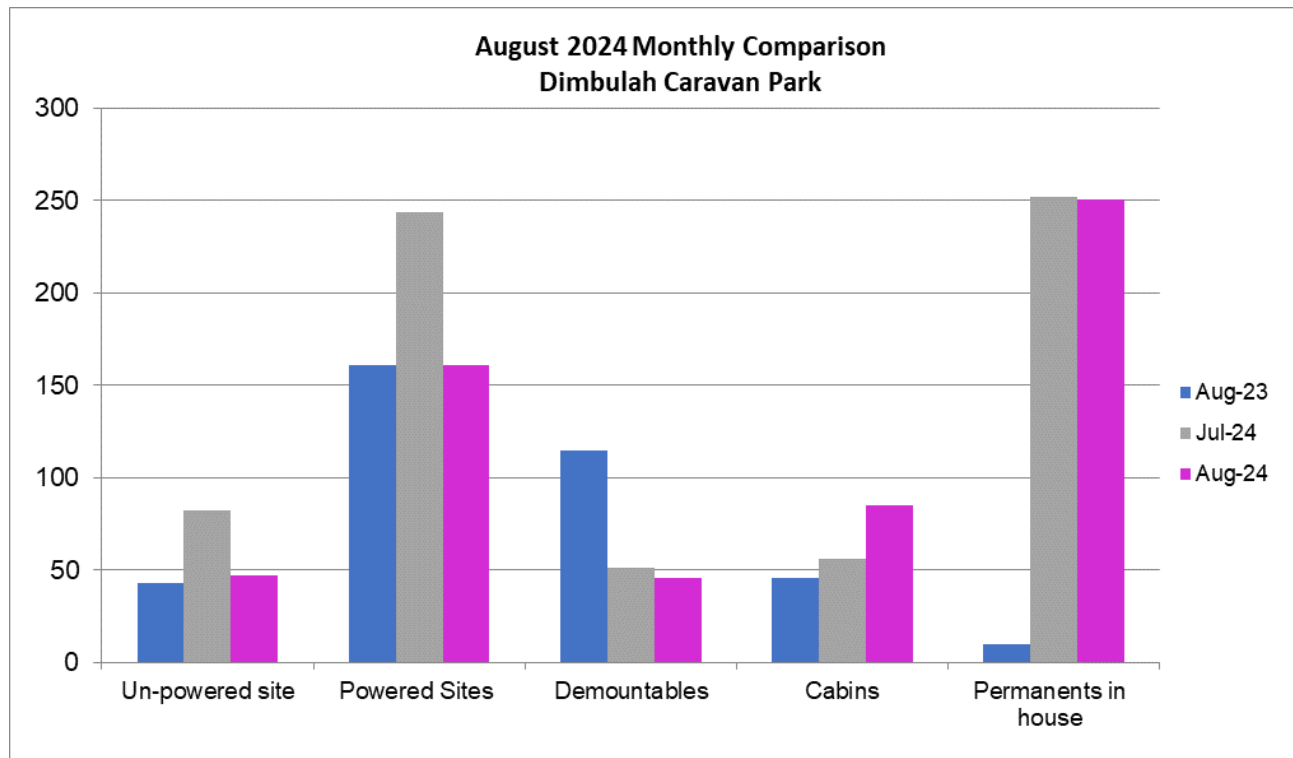


Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers remain stable.

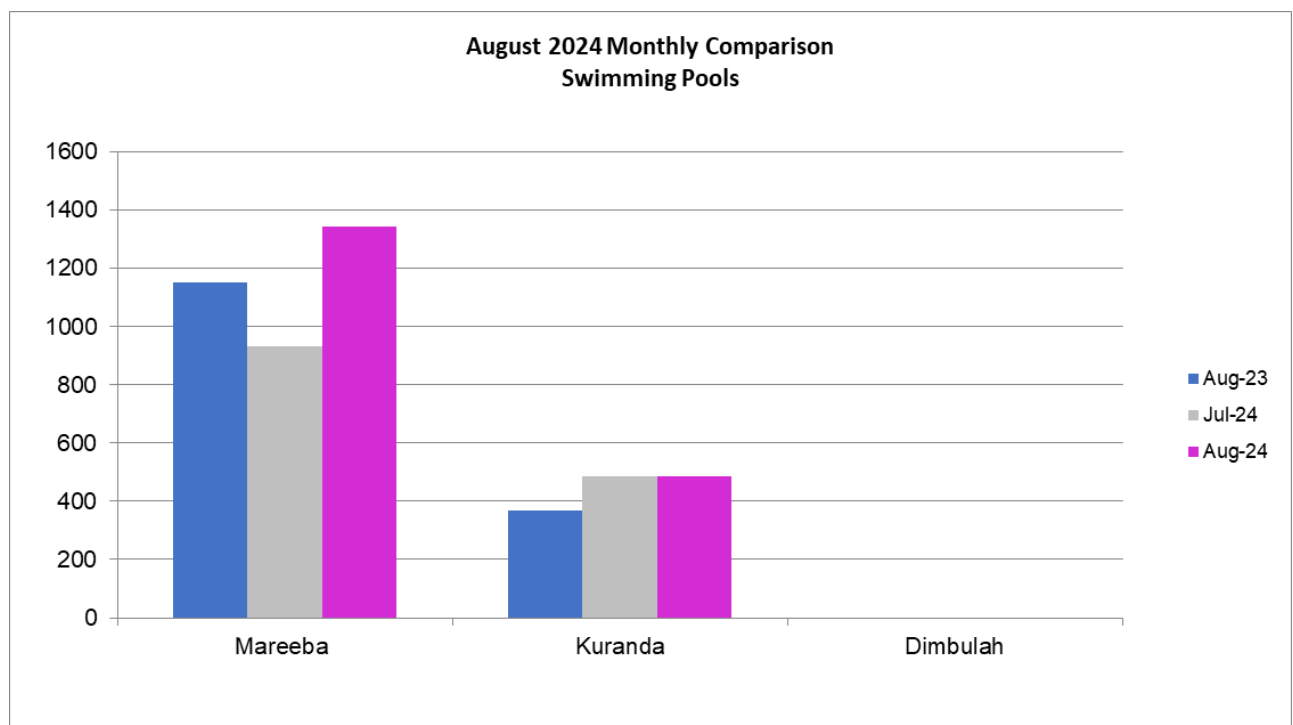


Dimbulah Caravan Park user numbers (total) have generally remained stable.



### Aquatic Centres

Attendance numbers remain lower than previous month, which may be indicative of the winter slowdown.



Depot:

The Mareeba Depot has initiated the recycling of steel and aluminium, in addition to a dedicated area for storing tyres, which are then transported to the Waste Transfer Station.



*Mareeba Depot - steel and aluminium recycling bins, tyre storage area*

Aerodromes:

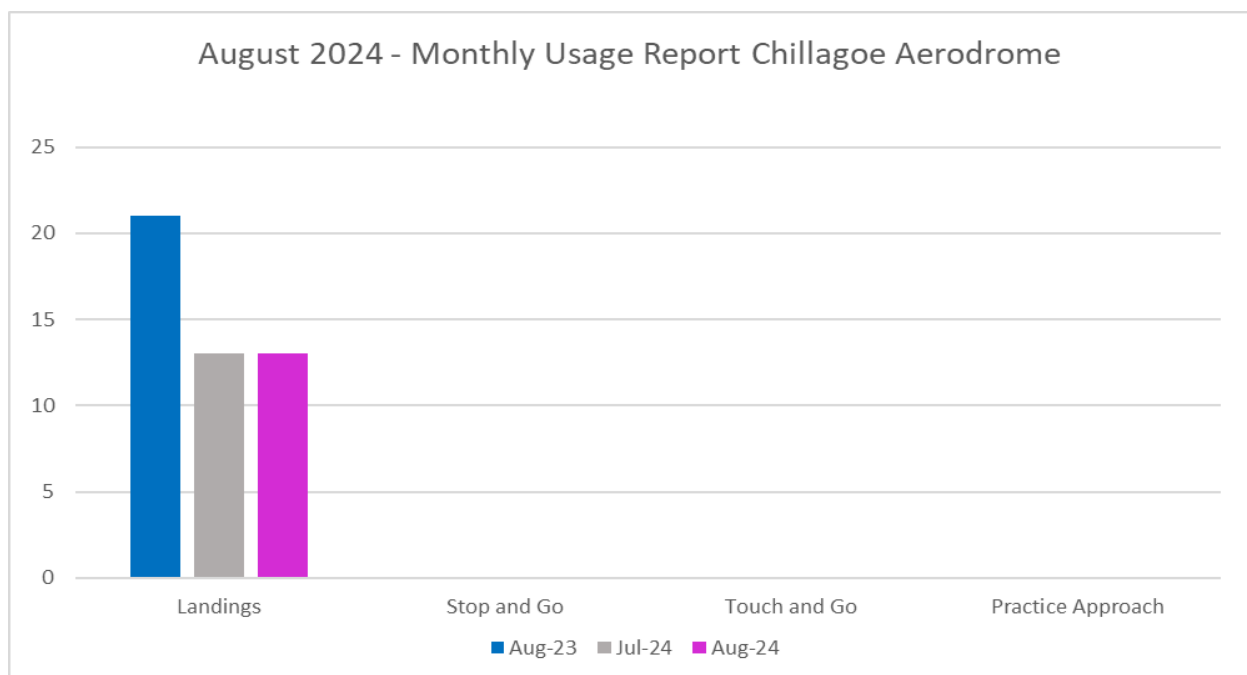
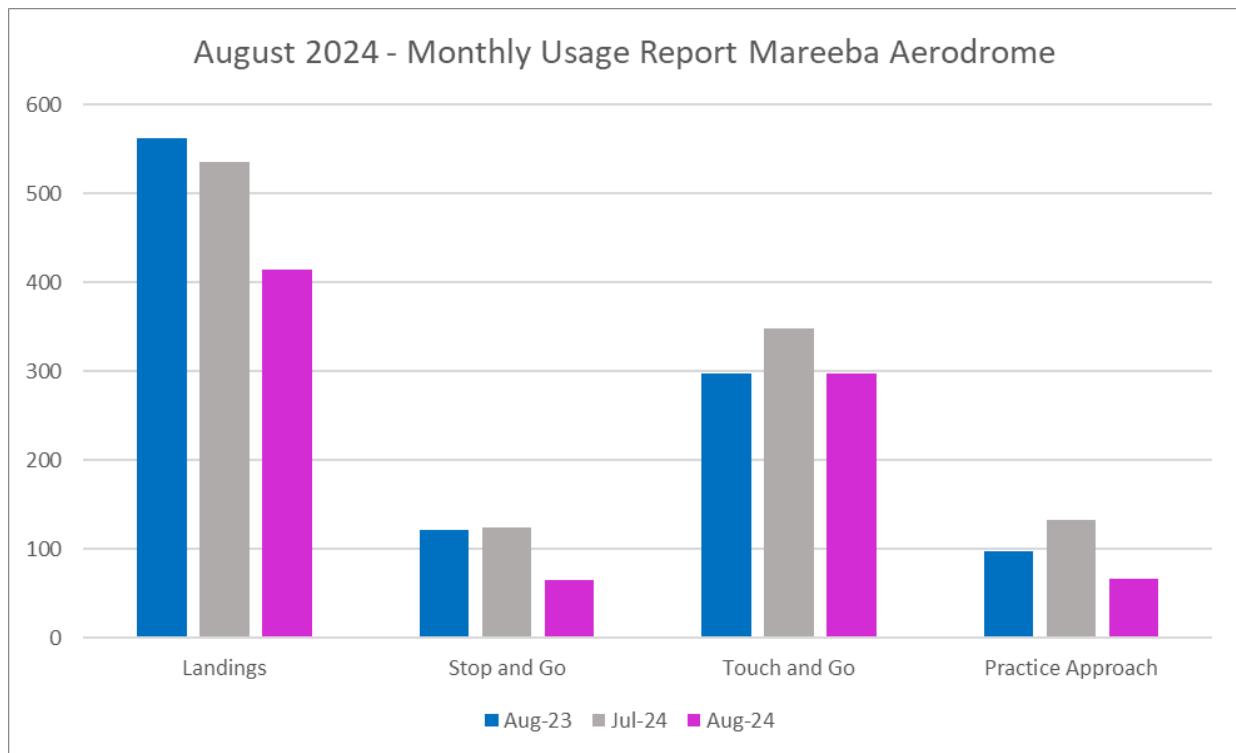
During the month of August, various activities were conducted at the aerodromes.

Location	Activity
Mareeba Aerodrome	Dead trees removed along the side fence.
Dimbulah Airstrip	Cone markers replaced and slashing completed removing any hazard for landings.

During August, a comprehensive administrative review of various processes and procedures at the Mareeba Aerodrome was completed. The review highlighted several areas for enhancement, which have since been addressed, including.

- *Authority to Drive Airside* - A review into Council's 'Authority to Drive Airside' (ADA) permit process identified a need to improve Aerodrome Security. As a result, the process was amended with the introduction of 'Vehicle' and 'Personal' applications / identification for those seeking Airside Access. Several applications have been received and approvals issued to date.
- *Gate & Security Access* - In line with the changes above, all locks will be changed for vehicle airside access. All aerodrome users must have completed the application under the new system to obtain a replacement key to access the aerodrome - access will not be possible using the previous issued key.

The data recorded below is current for the month of July, however there is usually a lag of some data for each current month from the service provider, which continues to be updated into the next month.



## FINANCIAL AND RESOURCE IMPLICATIONS

### *Operating*

#### LINK TO CORPORATE PLAN

**Financial Sustainability and Governance:** A financially sustainable council that applies strategic decision making and good governance to deliver cost-effective services.

**Transport and Infrastructure:** The provision of quality infrastructure to service our growing community using sound asset management principles.

**Community and Culture:** An informed, engaged and resilient community which supports and encourages effective partnerships to deliver better outcomes.



**9.4 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - AUGUST 2024**

**Date Prepared:** 21 August 2024  
**Author:** Manager Water and Waste  
**Attachments:** Nil

**EXECUTIVE SUMMARY**

The purpose of this report is to summarise Council's Water and Waste activities undertaken by the Infrastructure Services Department during the month of August 2024.

**RECOMMENDATION**

That Council receives the Infrastructure Services, Water and Waste Operations Report for August 2024.

**BACKGROUND****Water and Wastewater Treatment:**

All treatment plants are generally performing satisfactorily. Interim measures to address damage to Kuranda Water Treatment Plant intake infrastructure which resulted from Cyclone Jasper and ongoing rain is continuing.

Connections have been updated with information provided by the Rates Section to correspond with annual KPI reporting.

Water Treatment	Mareeba	Kuranda	Chillagoe	Dimbulah	Mt Molloy*
Water Plant average daily production (kL)	7711	737	272	442	201
Number of Connections	4,141	1053	127	246	111
Average daily water consumption per connection (L)	1862	700	2140	1798	1814

\* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2211	197
Number of Connections	3,519	356
Average daily inflow per connection (L)	628	553

**Mareeba Water Treatment Plant Upgrades:**

Three (3) critical infrastructure projects at the Mareeba Water Treatment Plant (MWTP) have commenced as part of Council's 10-year Water Strategy:

- MWTP Filtration System Upgrade
- MWTP Raw Water Pump Upgrade
- MWTP Booster Pump Station Upgrade

These projects will increase capacity of the plant and ensure that Council is able to supply safe water to residents and businesses in Mareeba now and into the future. Completion of the upgrades is programmed for late 2024.

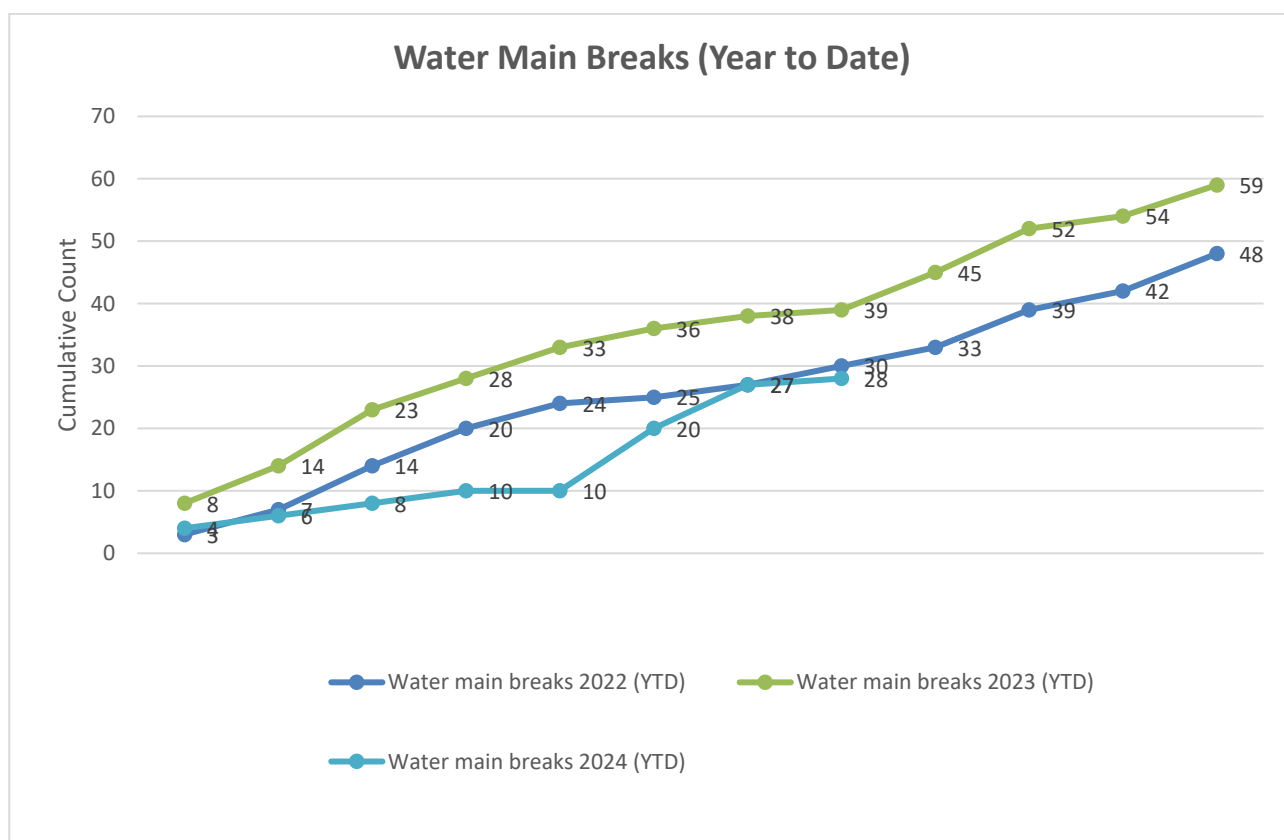
While these works occur at the Mareeba Water Treatment Plant there may be disruptions from time-to-time. As a result, the community has been asked to conserve water and reduce consumption during the upgrades. It may be necessary to introduce water restrictions to enable certainty of water supply to residents.

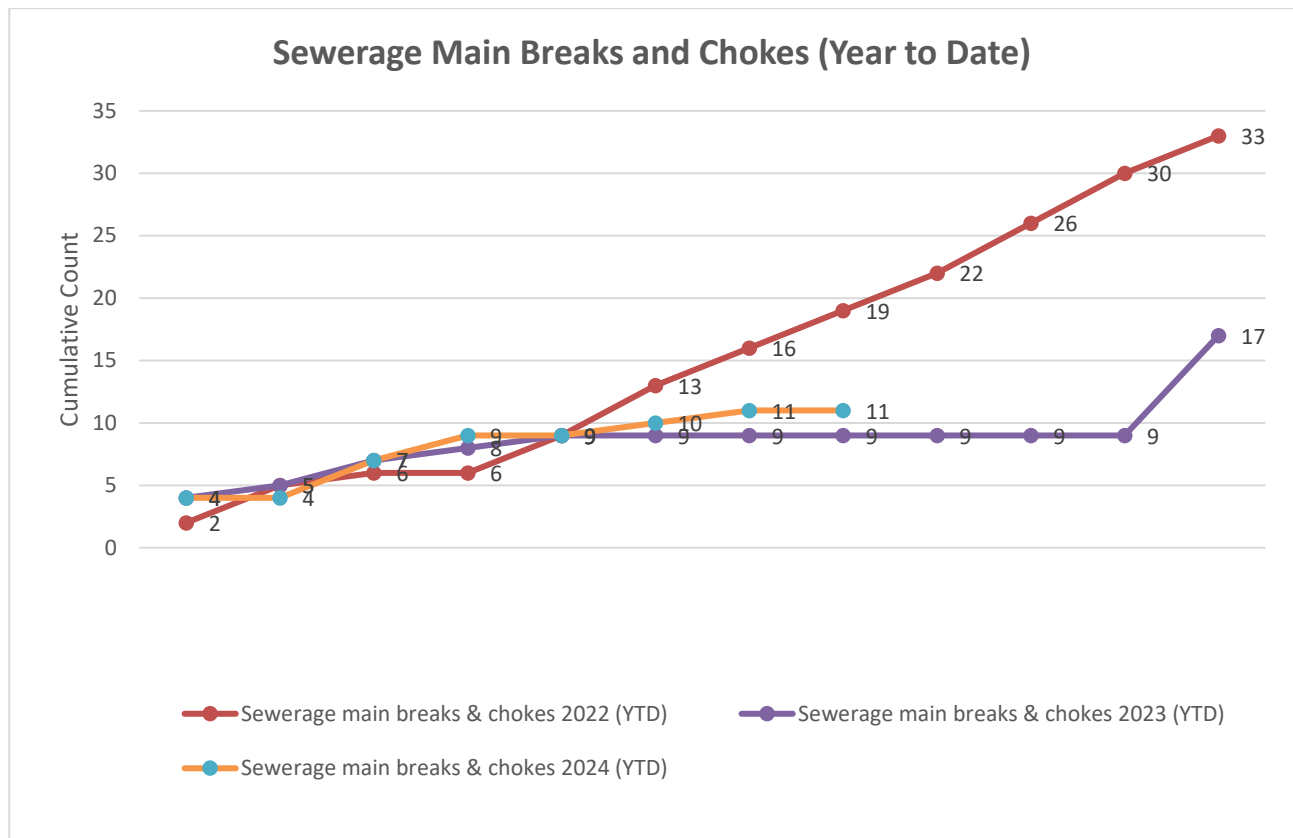
### Water and Wastewater Reticulation:

Council's water reticulation crew attended to one (1) water main breaks, and zero (0) sewer main breaks/chokes this month, and average response times were within targets set out in Council's customer service standard for water services.

The temporary solution to address the blockage of the Lloyd Street sewer in Mareeba continues to operate to mitigate wastewater discharges to the Barron River which ceased in February. Planning for a long-term solution is underway. The various regulators are satisfied with Council's response to the incident which is now closed out and they have advised that no regulatory action against Council will be taken.

Monthly statistics are shown on the water reticulation main breaks and sewerage main breaks and chokes:

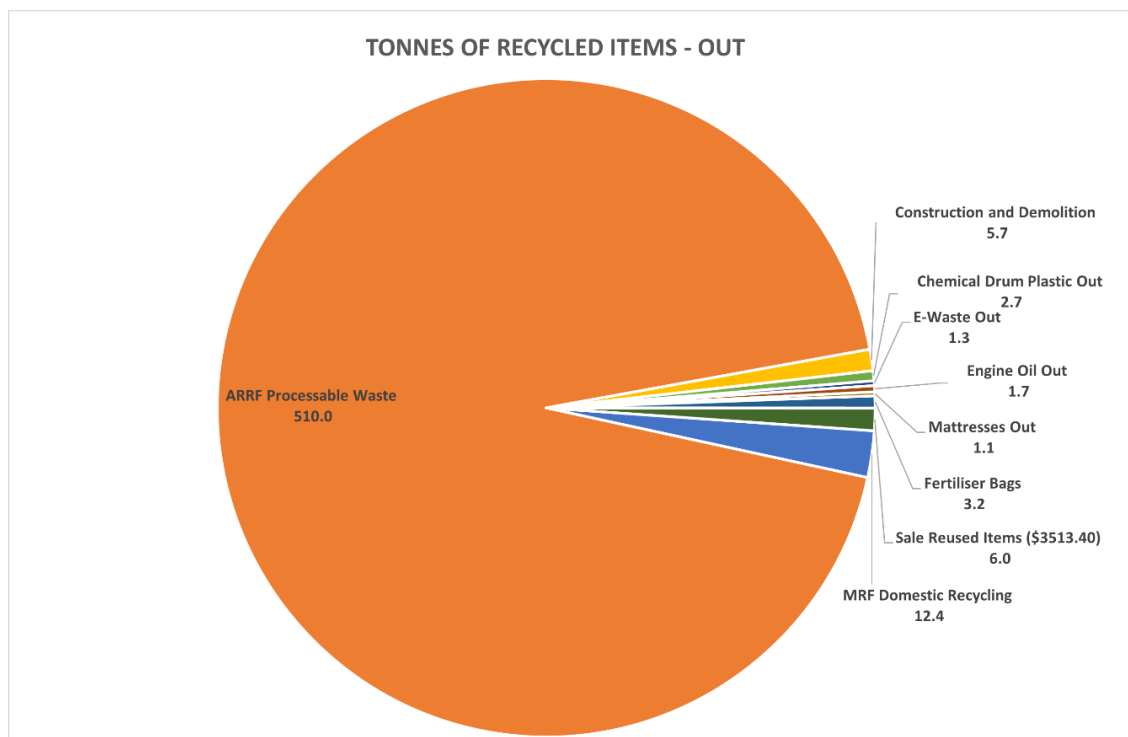




### Waste Operations:

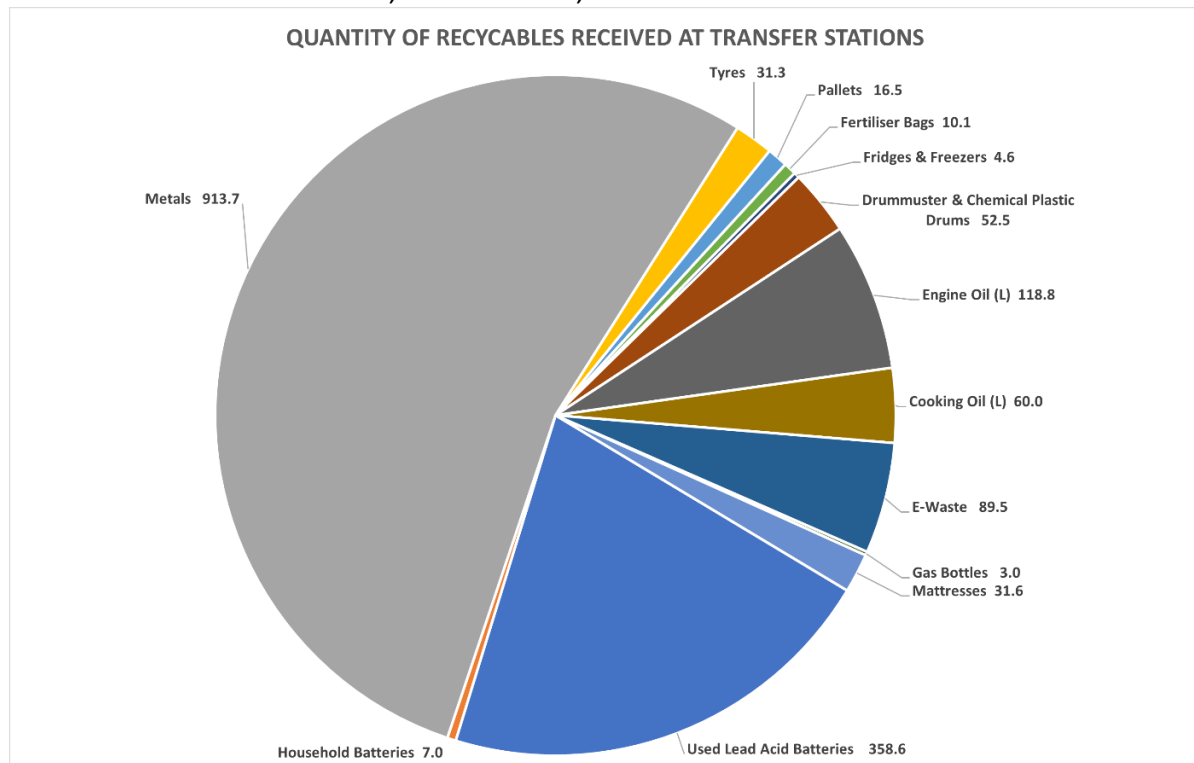
Waste material collected in Kerbside trucks is transported to the Advanced Resource Recovery Facility (ARRF) in Cairns for processing. Residual waste and waste collected at Transfer Stations is transported to Springmount Waste Facility, and recyclable material is transported to the Material Recovery Facility (MRF) in Cairns for processing.

During August, 510 tonnes of waste was processed through the ARRF, 155.98 tonnes of waste was sent to Springmount Waste Facility and 12.4 tonnes of domestic items were recycled at the MRF.



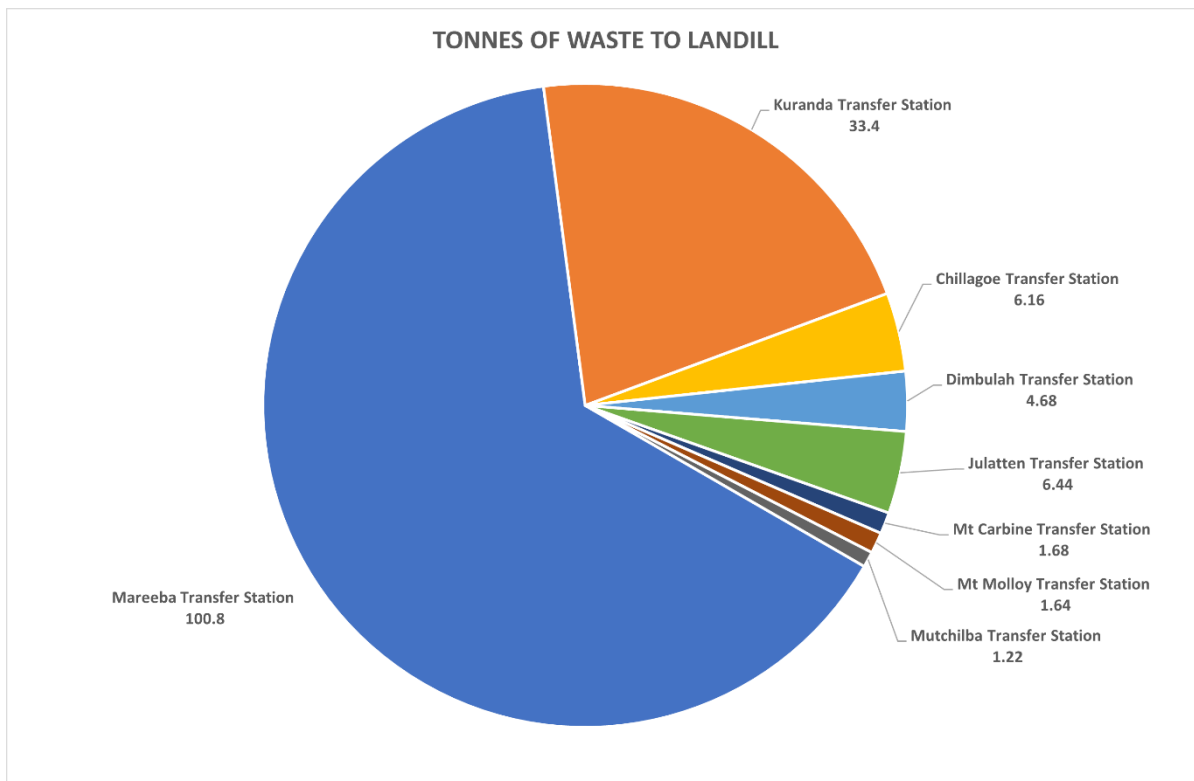
### Recycling

Residents continue to recycle at the Transfer Stations. During August the highest count of recyclable received were 913.7 metal items, 356 batteries, and 90 E-waste items.



### Transfer Station Waste

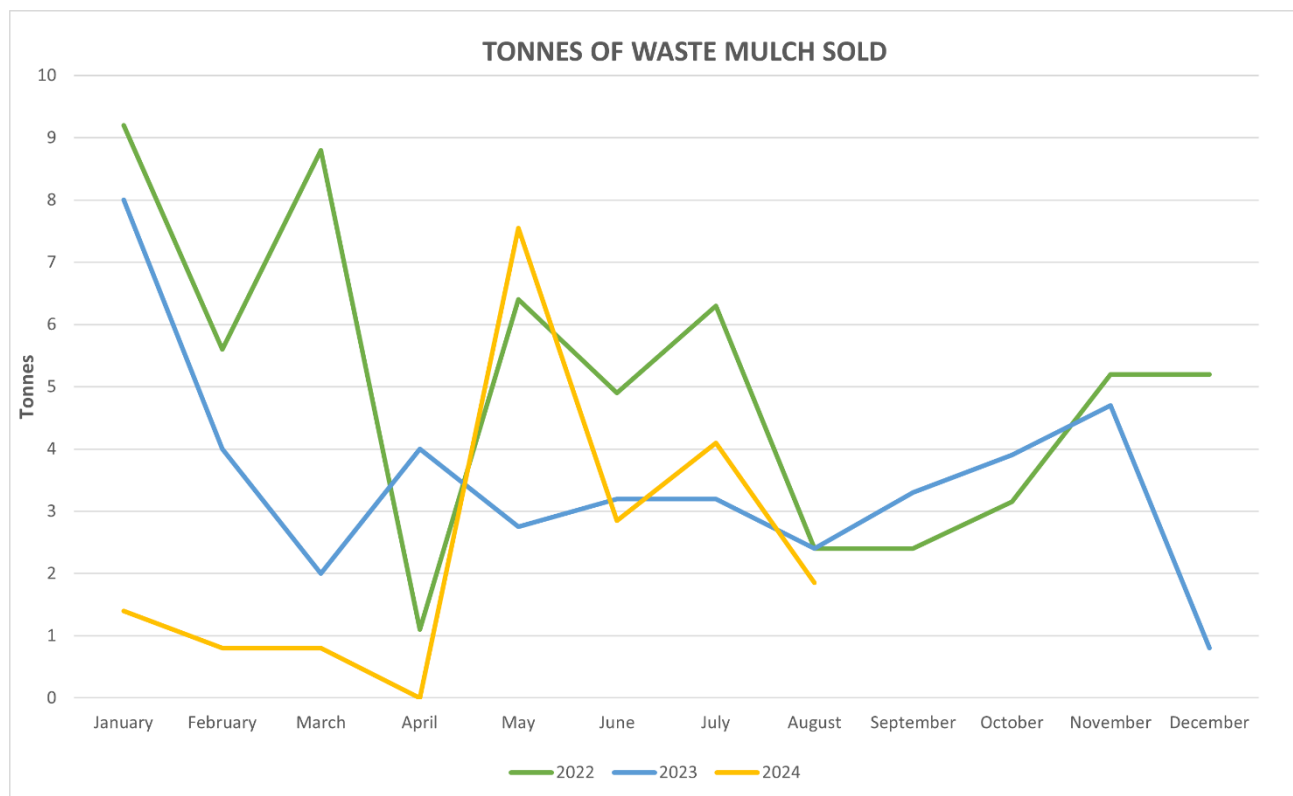
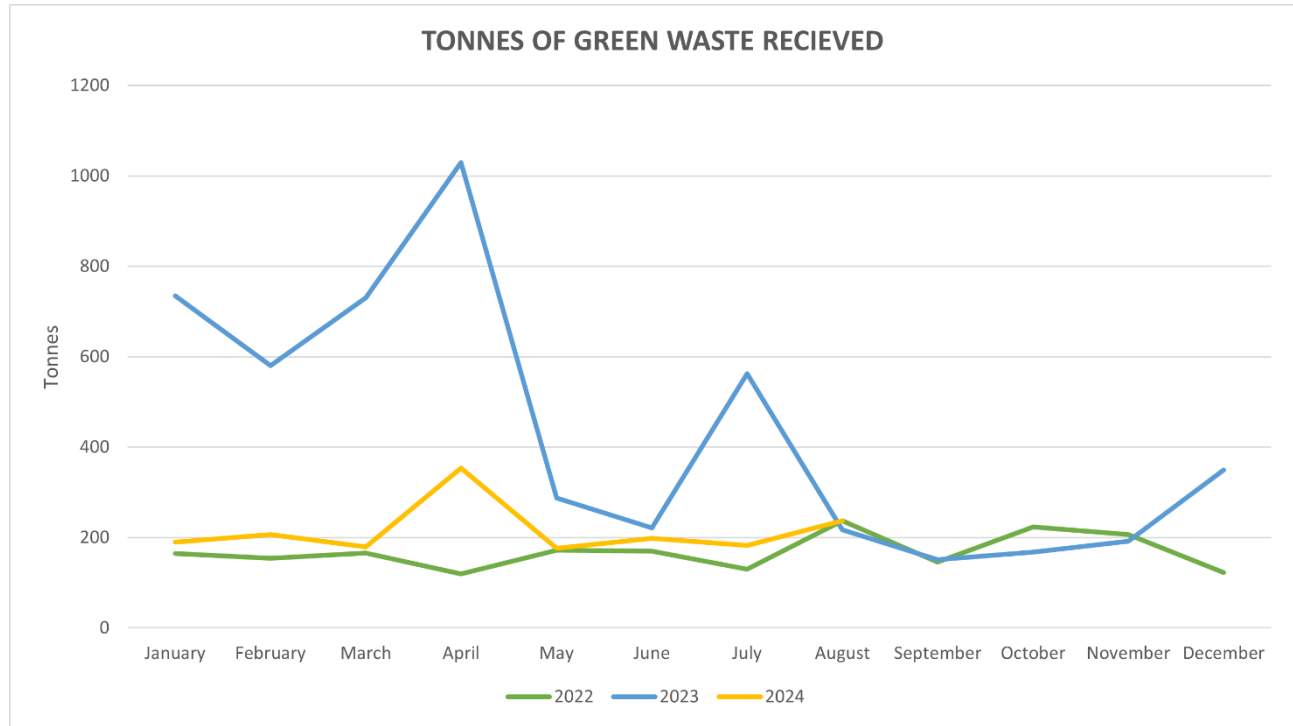
Transfer Station dry waste is transported off site to the Springmount Waste Facility. During August a total of 155.98 tonnes of waste was sent to landfill. Mareeba Transfer Station contributed to 100.8 tonnes to landfill, and Kuranda 33.4 tonnes.



### **Green Waste**



During August, Council received a total of 237.43 tonnes of green waste. Kuranda recorded 2.60 tonnes of green waste from locations registered as being potentially contaminated with Electric Ants. 1.85 tonnes of mulch was sold and Shark Recycling removed 555.30 tonnes of processed green waste. Free green waste days occurred during August where a total of 49.8 tonnes of waste was received from residents. Mareeba transfer station received 171 deliveries at 34.2 tonnes and Kuranda received 73 deliveries at 15.6 tonnes.



**Discount Green Waste Days**

Data analytics reveal that only 16% of Mareeba Shire residents made use of Free Green Waste Days, which cost approximately \$140,000 annually. Rather than increasing the Waste Facilities Charge for all ratepayers to cover this cost Council decided to trial Discounted Green Waste Days.

Residents will have the opportunity to dispose of their green waste at a significantly reduced rate of \$5 per load instead of the usual \$10, during designated weekends. This change will ensure Council's commitment to financial sustainability be maintained while continuing to support residents who rely on this service.

Council will host two (2) Discount Green Waste weekends per financial year, scheduled before and after the wet season to assist residents with preparation and recovery:

**Mareeba, Kuranda, Dimbulah, and Julatten Transfer Stations:**

- Saturday 7 December 2024 / Sunday 8 December 2024
- Saturday 5 April 2025 / Sunday 6 April 2025

**Almaden, Irvinebank, and Mt Molloy Transfer Stations:**

- Saturday 7 December 2024 / Tuesday 10 December 2024
- Saturday 5 April 2025 / Tuesday 8 April 2025

**Mt Carbine Transfer Station:**

- Thursday 5 December 2024 / Sunday 8 December 2024
- Thursday 3 April 2025 / Sunday 6 April 2025

**Mutchilba Transfer Station:**

- Wednesday 4 December 2024 / Saturday 7 December 2024
- Wednesday 2 April 2025 / Saturday 5 April 2025

**Chillagoe Transfer Station:**

- Thursday 5 December 2024 / Saturday 7 December 2024
- Thursday 3 April 2025 / Saturday 5 April 2025

**RISK IMPLICATIONS****Environmental**

Council holds an Environmental Authority issued under the *Environmental Protection Act 1994* to operate landfill facilities.

**LEGAL/COMPLIANCE/POLICY IMPLICATIONS**

Nil

**FINANCIAL AND RESOURCE IMPLICATIONS*****Capital***

Nil

***Operating***

Nil

**LINK TO CORPORATE PLAN**

**Financial Sustainability and Governance:** A financially sustainable council that applies strategic decision making and good governance to deliver cost-effective services.

**Transport and Infrastructure:** The provision of quality infrastructure to service our growing community using sound asset management principles.

**Economy and Growth:** Promote and encourage investment in local industry to build a resilient economy.

**IMPLEMENTATION/COMMUNICATION**

Nil

**9.5 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - AUGUST 2024****Date Prepared:** 5 September 2024**Author:** Manager Works**Attachments:** Nil**EXECUTIVE SUMMARY**

The purpose of this report is to summarise Council's Transport Infrastructure, Parks and Open Spaces, TMR Routine Maintenance Performance Contract (RMPC) and Land Protection operational activities undertaken by Infrastructure Services during the month of August 2024.

**RECOMMENDATION**

That Council receives the Infrastructure Services, Works Progress Report for the month of August 2024.

**BACKGROUND**

A summary of works completed in August 2024 is provided below.

**Transport Infrastructure**General Maintenance

The major maintenance activities carried out in August are listed below;

Activity	Location
Unsealed Road Grading	Karma Waters Road, Springfield Road, Wolfram Road, Adil Road, Hurricane Road, Bellevue Road, Metzger Road, Collins Weir Road, Rains Road, Stankovich Road, Boonmoo Road, Mount Cardwell Road, Brooks Road, Lowe Road, Carbonate Creek Road, Price Creek Road, Lappa-Mount Garnet Road, Fassio Road, McGrath Road, Lemonside Road East, Blacks Road, Georgetown Road, Smelter Road, Lemonside Road West, Hawkins Road
Tree Trimming/Vegetation Management	Euluma Creek Road, OK Mine Road, Speewah Road, Black Mountain Road, Weir Road, Highland Drive, Pinnacle Road, Windsor View Road, Brown Road, Masons Road, Kingfisher Drive, Veivers Drive, Wrights Lookout Road, King Street, Nine Mile Road, High Chapparal Road, Wright Road, Cathedral Street, Tinaroo Creek Road, Seary Road, Fallon Road, Warril Drive, Tower Street, McLeod Road, Douglas Track East, Black Mountain Road, Williamson Drive, Coconut Grove, Macrae Street, Barang Street
Unsealed Road Maintenance	Fassio Road, Adil Road, Speewah Road, Wetherby Road, Austin Road, Mount Mulgrave Road, Bruce Weir Road, Centis Road, Black Mountain Road, Rains Road



Activity	Location
Drainage Maintenance	Black Mountain Road, Gilmore Road, Tinaroo Creek Road, Bellevue Close, George Fabris Road, Weir Road, Henry Hannam Drive, Torrasi Road, Austin Road, Speewah Road, Oak Forest Road, Nimrod Close, Coondoo Street, Barang Street, Euluma Creek Road, Mount Spurgeon Road, Rains Road
Road Furniture	Black Mountain Road, Springmount Road, Kay Road, Gilmore Road, Price Creek Road, Bellevue Road, Doyle Street, Malone Road, Shanty Creek Road, Emerald Heights Road, Kenneally Road, Coronet Drive, Black Mountain Road, Fichera Road, Euluma Creek Road, Tyrconnell Road
Culvert Inlet/Outlet Cleaning	Euluma Creek Road, Pinnacle Road, Clacherty Road, McDougall Road, Sides Road, Jim Weir Road, Wessel Road, Morrish Road, Fairyland Road, Masons Road

### Customer Requests

During August, the Works Group received 90 Customer Requests (CRs) with 143 resolved (resolved requests include those received prior to July 2024). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
August	57	32	1

At the time of reporting, the Works Group had 87 open requests.

### TMR Routine Maintenance Performance Contract (RMPC)

#### **32A - Kennedy Highway (Cairns - Mareeba)**

- Rest Area Servicing - Edmund Kennedy Bridge

#### **34A - Mulligan Highway (Mareeba - Mt Molloy)**

- Yearly pipe inspections
- Supply and Install 15 Flexi guideposts along Mitchell Flats
- Supply and instal Reduce Noise Please Limit Compression Brakes sign opposite Vains Park and Narrow Bridge sign at Spear Ck Bridge
- Repair/Replace guideposts
- Pothole patching
- Edge repair/widening

#### **34B - Mulligan Highway (Mt Molloy - Lakeland)**

- Pothole patching
- Roadside Litter Collection - Riffle Creek and Mt Carbine Truck Stop
- Rest Area Servicing at Riffle Creek

- Callout to clean up overflowing septic at Riffle Creek - Contractor engaged to pump out septic

#### **653 - Mossman-Mt Molloy Road**

- Remove illegal dumping/roadside litter on Rex Range
- Repair/Replace Guide Markers
- Yearly pipe inspections
- Rest Area Servicing at Hunter Creek
- Roadside litter collection - Hunter Creek, Environ Park and Lyons Lookout
- Pothole patching

#### **6632 - Herberton-Petford Road**

- Cut up and remove fallen tree

#### **664 - Mareeba-Dimbulah Road**

- Remove trees that are causing visibility issues
- Cut and poison Bean trees spreading along the Walsh River
- Supply and Install new Stopping Bay sign
- Install two new Wheelbarrow Way signs
- Repair/Replace guideposts

#### **89B - Burke Developmental Road (BDR)**

- Supply and Install Mt Mulgrave/Palmerville Rd signs and 1 x Black/White Chevron at Strathleven Intersection
- Supply Depth Marker plates for Ferguson and Trimble's Crossing Flood Markers
- Remove illegal dumping/ roadside litter at rest area Emu Ck
- Heavy shoulder grading either side of Eureka Ck Causeway including 2 x truck pullover bays
- Medium Formation Grade Trimble's Crossing to the Lynd Causeway
- Medium Formation Grade Nolan's to Trimble's Crossing
- Eureka Creek Rest Area Servicing and ground maintenance
- Erect detour and signage around damaged Longreach Grid
- Emergent Works - Road repairs along gavel road from Fergusons Crossing to MSC Boundary
- Emergent Works - Tip, mix, lay and compact gravel from Trimble's Crossing to Lynd River

#### **Parks and Open Spaces**

Description	Comment
Mowing	Mareeba, Dimbulah, Kuranda, Mt Molloy/Julatten, and Chillagoe now all on scheduled mowing roughly every 18 – 20 days for unirrigated areas and fortnightly in irrigated zones.
Playing fields mowing	Davies Park once per 10 days at 50mm, Borzi Park once per fortnight at 50mm, Firth Park once 10 days at 40mm.
General maintenance	Tree trimming for mower/tractor clearance and street sweeper

Description	Comment
Playgrounds	Repair merry-go-round at Centenary Park Mareeba and repair the suspended bridge at Roscommon Park at Speewah
Burials	Mareeba eight (8) burials – three (3) ashes in columbarium wall, three (3) in ground internments, one (1) mausoleum wall internment, one (1) above ground vault interment. Kuranda - three (3) in ground internments (old cemetery) Chillagoe - one (1) in ground internment Watsonville – one ashes internment
LOA	LOA Prisoners at the Mareeba Cemetery and Jack Bethel Park clean up.
Tree maintenance	Tree removal in Mareeba, Dimbulah and Kuranda via CRs
Fire management	Mareeba – One (1) hazard reduction burn (HRB) assisting Davies Creek RFB at Hastie Road. Burning of the tramp ants vegetation stockpile at Hickling Avenue.  Mt Molloy – one (1) HRB assisting Mt Molloy and Julatten RFBs.  Mutchilba – one (1) HRB by Mutchilba RFB and Department of Resources
Events	Multicultural Festival

### **Land Protection**

**Parthenium Weed:** Inspections carried out on 13 sites. All landholders are complying with their biosecurity obligation. Officers continue to monitor one (1) site every two (2) weeks with the other 12 every three (3) weeks.

**Bellyache Bush, Siam Weed and Rubbervine:** Weed cleanup work has continued on Emu Creek, Petford. The area was weed surveyed and any of the target species were hand or mechanically removed along the creek system.

**Amazon Frogbit:** Foliar spraying of frogbit carried out at Chinaman Creek, Mareeba.

**Feral pigs:** One (1) feral pig trapped and destroyed at Springs Road, Mareeba.

**1080 baiting:** Baiting carried out for pigs/wild dogs on two (2) grazing properties on the Walsh and Mitchell Rivers totalling 598,207Ha.

**Wild dogs:** Baiting carried out on two (2) grazing properties on the Walsh River catchment totalling 391,000Ha.

**Navua Sedge:** Roadside survey of Navua sedge for the presences of fungus/rust. Large areas located in Julatten, Kuranda and Speewah, appear to have die back resulting from the fungus.

Below is an excerpt from a request received from a Biosecurity Queensland Researcher:

- *A pathogen affecting Navua sedge was collected on 28 August 2023 at a private grazing property at Topaz, northern Queensland by Bernie English (DAF, Senior Beef Extension Officer).*
- *As per the regulatory requirement, we notified the Consultative Committee on Emergency Plant Pests through Queensland Government's incidence Response and Preparedness Group in September 2023.*
- *Based on morphological and molecular studies, the rust has been identified by Prof Roger Shivas and his team, as *Uredo kyllingae-erectae*, the same rust from Africa that is being undergoing host specificity tests in quarantine in UK.*
- *Since then, the rust has been found widely in Atherton tablelands, and along the coastal lowland areas, from South Johnston to Cape Tribulation.*
- *The rust was not found on co-occurring pasture grasses and other Australian native sedges. The rust infection was found only on Navua sedge.*
- *In our herbicide trial sites (Malanda and Gordonvale), the rust caused 80-90% above-ground tiller (foliage) mortality. However, Navua sedge resprouted from underground. It is anticipated that re-infection by the rust over many years may reduce the underground rhizome biomass, resulting in long-term control of Navua sedge.*
- *We are currently monitoring the distribution of the rust. Hence, any location details (preferably with GPS coordinates) of the rust would be much appreciated.*
- *Our future research will focus on studying the distribution and impact of the rust, and risk assessment of the rust on non-target plant species, involving host specificity tests in the glasshouse and field host range observations in Qld wet tropics.*



*Rust affected Navua sedge*





*Navua sedge die back in Julatten*

## FINANCIAL AND RESOURCE IMPLICATIONS

### ***Operating***

All operational works are funded by the section specific 2024/25 maintenance budgets.

## LINK TO CORPORATE PLAN

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**Economy and Growth:** Promote and encourage investment in local industry to build a resilient economy.

## IMPLEMENTATION/COMMUNICATION

Nil