

**9.2 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - OCTOBER 2024**

**Date Prepared:** 17 October 2024

**Author:** Manager Assets and Projects

**Attachments:**

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

**RECOMMENDATION**

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of October 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 – October 2024**



**Project Name: AC Pipe Renewal Water Main Upgrade Program – Eccles Street, Keeble Street and Adams Street**

**Program: Water**

**Background**

An allocation has been provided in the 2024/25 Capital Works Program to replace failing and ageing water mains throughout the Shire as part of Council’s strategy to address critical water issues across the Shire over the next 10 years.

These sections of water main were identified for replacement following the numerous main breaks occurring in the past few years and in conjunction with Council’s water strategy.

**Scope of Works**

The scope of works included replacement of the existing water main with PVC Supermain and Ductile iron (DICT) on road crossings, in addition to new service connections, valving and hydrants are being installed.

**Progress Update**

Works commenced in September at Eccles Street and then onto Keeble Street and Adams Street with new 150mm PVC Supermain and Ductile Iron (DICT) and works are now concentrated along Adams Street.

Works have progressed well with no interruptions to the scheduled program. The continuation of newly installed pipe work and associated fittings is progressing with the stage of works to soon be completed at Adams Street.



*Keeble Street and Adams Street installation of the new 150mm diameter PVC Supermain water main*



**Infrastructure Services Capital Works Report  
Project Highlights – October 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 Myola Road – Mill/Fill and Seal project was completed in October 2024 with the installation of line marking.



*Myola Road – Before and After*

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



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

**Program: Rural Roads**

### Background

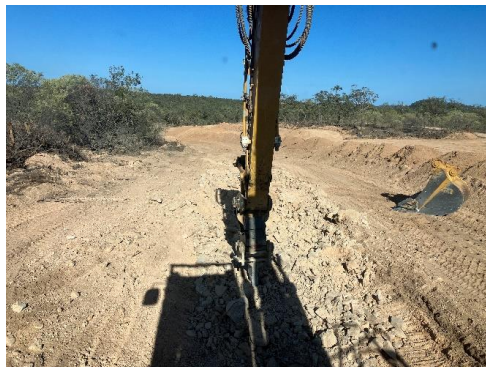
On 16 November 2023, Mareeba Shire Council received confirmation from the Australian Government that funding from the Investment Road and Rail Program would be made available to undertake widening and sealing works on Ootann Road. The funding will cover 80% of the design and construction costs with the 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 October, the majority of the cut to fill operations, rock protection to culvert inlets and outlets and rock breaking works in drainage channels were completed. It is estimated that the programmed work for the 2024 calendar year at the Ootann Road project will be completed by 15 November.



*Rock breaking operation*



*Broken rock prior to table drain clearing*



*Embankment to subgrade*



*Rock protection to RCP culvert outlet*

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



**Project Name: Herberton/Constance Streets Intersection Upgrade**

**Program: Urban Streets**

### Background

Council's capital works program for the 2024-2025 financial year contained a non LRRS (Local Roads of Regional Significance) project for Mareeba Shire Council to 50% fund the upgrade of the Herberton Street/ Constance Street intersection. The funding is provided by the Queensland State Government through the Transport Infrastructure Development Scheme. (TIDS).

### Scope of Works

The scope of works includes the installation of a roundabout, and associated works, including upgrade of underground sewer, water mains and stormwater, construction of new traffic islands, kerbing, footpath extensions and lighting upgrades.

### Progress Update

Following completion of the sewer and water mains upgrades, Council's civil works crew commenced on site on 8 October, establishing a site compound and the commenced underground cable locations. During the month, the new underground storm water system was constructed including drainage drop boxes in Herberton and Constance Streets. In early November, the crew will disestablish from site and will return after final approvals from Ergon Energy and commence work in the new year.



*Storm water trenching*



*Storm water installation*



*Drop box fabrication*



*Completed drop box*

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



**Project Name:** Kuranda Heights Cemetery (Retaining Wall)

**Program:** Cemeteries

**Background:**

The new Kuranda Heights Cemetery was developed to provide a suitable burial facility for the community.

The first stage of the development has been available for reservations and internments from August 2024. Stage 1 has an estimated capacity of 10 years and will provide room for 127 lawn-level (beam) memorials and 120 monumental memorials.

**Scope of Work**

The new cemetery includes landscaped grounds, an accessible toilet, and sealed road access and car parking. This work was completed in the first half of 2024.

A retaining wall has been constructed to protect an exposed rock face on the site during wet weather events.

**Progress Update**

The contractor has mobilised, completed set out and excavation of the foundation for the gabion wall. Installation of the first layer of the gabion wall has commenced.



*Gabion wall foundation construction*



*Gabion wall first layer underway*



*Gabion wall second layer underway*

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



### Project Name: Byrnes Street Median Upgrades

#### Program: Roads

#### Background:

Council has been progressively upgrading Byrnes Street, and this project will complete the last garden beds and will enhance visibility for road users and create safer working conditions for Council’s Parks and Open Spaces team members.

The project will modernise the garden beds, ensuring a cohesive look and feel from one end of Byrnes Street to the other. Significant shade trees will remain, and additional trees will be planted. The plant palette includes native and flowering plants to add colour. The number of parking spaces and traffic lanes will remain unchanged.

#### Scope of Work

- Supply and install maintenance walkways and maintenance strip kerbs as per schedule and design drawings.
- Treat existing kerbs and repaint including new maintenance strip kerbs as per schedule and design drawing.
- Supply and install 12mm Netta Drip irrigation in a spider web pattern with 300mm spacings.
- Supply and top up medians with Sandy loam topsoil as per schedule
- Remove trees marked for clearing and dispose of vegetation waste
- Plant out Council supplied plants as per Council
- Supply and install woodchip mulch as per schedule

#### Project Locations:

Location 1: Cairns Connection Road

Location 2: BP Median Island

Location 3: Byrnes Street Median Island at Jacobson Street

Location 4: Byrnes Street/Lloyd Street Roundabout

Location 5: Byrnes Street Median Island in centre of road between Lloyd Street and Railway Avenue (northern end)

Location 6: Corner of Byrnes Street and Railway Avenue Garden (northern end)

Location 7: Byrnes Street Median Island in centre of road between Railway Avenue (northern end) and Granite Creek

Location 8: - Byrnes Street Median Island on the eastern side of the road between Railway Avenue (northern end) and Granite Creek

#### Progress Update

The tender has been awarded to Gregg Construction Pty Ltd and construction is programmed to commence in mind-November 2024. The project is scheduled for completion in February 2025, weather permitting. Artist’s visualisations below.

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



Location 1 Cairns Connection Road



Location 2: BP Service Station Median



Location 5: Byrnes Street Median Island in centre of road between Lloyd Street and Railway Avenue (northern end)



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



**Project Name: Lloyd Street and Atherton Street, Mareeba - Footpath Renewal**

**Program: Footpaths**

**Background:** Council committed to footpath renewals in various locations as part of the Parks and Open Spaces Strategy 3-Year Action Plan.

In conjunction with the Department of Transport and Main Roads (TMR), Council has adopted a Walking Network Plan and a Priority Works Program for the Shire’s largest towns, Mareeba and Kuranda. The purpose of these was to identify key walking routes and priorities for future upgrades.

The renewal projects on Lloyd Street and Atherton Street were high priority projects identified for completion in the short term, and leverage the crossing safety upgrades recently completed through the TMR funded Lighter, Affordable, Effective Project.

Council is also preparing a project to complete footpath renewals in Kuranda on Coondoo Street and the footpaths around Centenary Park, Kuranda in early 2025.

**Scope of Work:**

- Demolition and disposal of existing interlocking paver footpath & redundant kerb ramps.
- Installation of new concrete footpath, kerb ramps and kerb reinstatement at locations indicated on the design plans.
- The finished height of the new concrete footpath should be considered in relation to the natural overland flow of stormwater and existing drainage paths.

**Progress Update**

The footpath renewal works on Lloyd Street (between Byrnes Street and Dunlop Street) and Atherton Street (between Constance Street and Walsh Street) are now complete.



*Pre-construction*



*Completion*

*Atherton Street Footpath (between Constance Street and Walsh Street)*

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



*Pre-construction*



*During construction*

*Lloyd Street Footpath (between Byrnes Street and Dunlop Street)*



*Lloyd Street Footpath (between Byrnes Street and Dunlop Street) Completion*

**Infrastructure Services Capital Works Summary Report - October 2024**



Project Code	Project Description	Project Comment	Project Stage
<b>Program: 01 - Rural and Urban Roads Reseal Program (Renewal)</b>			
CP0003731	24/25 Bitumen & Asphalt Reseal Program	All MSC resealing sites have been marked for the contractor to undertake the seal design process. Resealing currently programmed for March/April 2025 weather permitting.	Procurement
CP0003732	24/25 Gravel Resheet Program	Metzger, Braund and Wolfram Road resheets are completed. Henry Hannam Road resheet currently underway. Springfield Road resheet will commence later in November.	Construction
CP00835	DRFA Gully Betterment	Works continue on the Gully Betterment Program, on track for completion prior to end of year.	Construction
<b>Program: 02 - Gravel Resheet</b>			
CP0001022	23/24 Gravel Resheet Program	Conmat currently manufacturing a course rock material to be used by HQPlantations on Black Mountain Road and LA Road. Delivery will commence the second week of November. This will clear the final commitment and the project will be closed with the remaining budget rolled over to the 24/25 Resheet Program.	Construction
<b>Program: 03 - Urban Streets</b>			
CP0001023	Recovery Way (WTS) Rehab Ch 0.176-0.272	Asphalt and road base procurement completed. Works will be undertaken in Jan/Feb 2025, weather pending.	Procurement
CP0001024	Myola Rd Ch 0.2-3.06	Project completed October 2024.	Completed
CP00795	TIDS 23-27 Herberton/Constance Inter	Construction will be suspended early November after the completion of underground storm water installation. The site facilities will be demobilised and the Ergon prestart meeting is tentatively scheduled for prior to Christmas closure. Work will recommence in the new year providing Ergon prestart meeting has been held and the weather is suitable.	Construction
CP00797	TIDS 22/23 24/25 Rankin/Walsh St R'bout	Liaising with Ergon for lighting design approvals.	Design
<b>Program: 04 - Rural Roads</b>			
CP0000949	TIDS 23-25 Springmount Rd Ch 6.7-7.55	Drain, inlet and outlet cleaning continues. Final claim will be submitted to TMR early November.	Construction
CP0002040	KDA Barron Falls/Masons Rd/Falls Lookout	Survey and soil investigations underway.	Planning
CP0002041	KDA KIA09 Barron Falls Rd Thongon-Mason	Survey and soil investigations underway.	Planning
CP0002042	MBA James St Mill & Fill	Program to commence late November.	Procurement
CP0002048	KDA Kuranda Heights Rd Intersection	Survey and soil investigations underway.	Planning
CP0002050	MBA Mclver Rd Rehab & Widen	Survey and soil investigations underway.	Planning
CP0002060	KDA Oak Forest Rd Rehab & Widen	Survey and soil investigations underway.	Planning
CP0002066	DIM Leafgold Weir Rd Widen Curves	Survey and soil investigations underway.	Design
CP0002069	MBA Chewko Rd Rehab/Widen & Seal	Design complete, finalising documentation for handover to construction.	Design
CP0003753	MBA Byrnes St Safety Upgrades	Gregg Construction awarded the contract. Propose to commence works 11 November 2024. Sites 2-6-8 pre Christmas. Finish the remaining site post Christmas.	Design

**Infrastructure Services Capital Works Summary Report - October 2024**



CP00801	TIDS Ootann Rd Section 1&2 Widen & Seal	Section 2 (Ch75.72 - Ch77.68) fill sites are being brought up to subgrade level and rock breaking in the table drains continues. Works are estimated to be completed by 15 November.	Construction
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**Program: 05 - Bridges**

CP0001558	MBA Tinaroo Creek Rd Ada Creek Causeway	Design to be done inhouse and scheduled for delivery by 30 June 2025.	Planning
CP0001564	KDA Oak Forest Rd, Barron River Bridge	Tender closed. Budget being reviewed. Construction expected to commence 2025.	Procurement
CP00839	Bullaburrah Ck Rd C'way Relieving Slab	Not commenced.	Not Commenced
CP00841	Bolton Rd Inspect/Design/Repl Girders	TMR has been contacted to check on their availability to undertake the recommended maintenance requirements as outlined in Forcecor Load Assessment Report. Tentatively programmed for December/January, weather permitting.	Procurement
CP00843	Barron River Cwy Henry H Dr Repl Slabs	Not commenced.	Not Commenced

**Program: 06 - Drainage**

CP0001598	24/25 Renew Minor Culverts & Drainage	Repairs carried out on culverts in Park Avenue, Mareeba and temporary repairs undertaken on a causeway on Borzi Road. Committed funds for concrete causeway installation on Hodzic Road.	Construction
CP0003689	MBA CBD Drainage Upgrade Stage 1	Waiting for deed of agreement from Australian Government before project can commence.	On Hold
CP0003690	MBA Ray Rd Culvert Upgrade	On-going investigation. Project linked to Ray Road drainage study.	Planning
CP0003695	Irvinebank Jessie St/Rubina Tce Upgrade	Investigations are yet to be scheduled.	Not Commenced
CP00844	MBA Amaroo Drainage Upgrades	Design handover documentation to be finalised and provided to Construction.	Design
CP00938	Tilse Street Upgrade Drainage	Practical Complete. QA documentation and Financial Close Out underway.	Completed

**Program: 07 - Traffic Facilities**

CP0000947	Mareeba Aerodrome Safety & Repairs	Line marking and lighting amendments completed. Contractor engaged to commence fire fighting pump station works. Anticipate commissioning prior to Christmas.	Procurement
CP0000951	Anzac Ave LATM Upgrades	Sign install to Anzac Ave to commence early November 2024.	Construction

**Program: 08 - Parking**

CP00846	MBA Heritage Centre Carpark Connection	Car park connecting footpath through Centenary Park in design review.	Design
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**Program: 09 - Footpaths**

CP0001026	23/24 Footpath Renewal Program	Atherton Street and Lloyd Street footpath sections completed during the September school holidays.	Construction
CP0001027	23/24 Footpath Upgrade Program	Applied for grant funding to build new footpath connection on Constance Street between Hastie Street and Atherton Street.	Planning
CP0001665	Mt Molloy Footpath & Furniture Refurb	Designs to be programmed for new year.	Planning
CP0001666	KDA Barron Falls Rd Replace Footpath	Designs to be programmed for new year.	Design

**Infrastructure Services Capital Works Summary Report - October 2024**



CP0001742	MBA WNP Constance-Lloyd St Footpath	RFT issued, closes 20 November 2024.	Procurement
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**Program: 10 - Parks and Gardens**

CP0001029	Kda Com Precinct Parks Upgrade	Planning to commence 2025.	Planning
CP0001803	Julatten Geraghty Pk Refurb Playground	Planning underway.	Planning
CP0001805	MBA Bicentennial Lakes Northern	Federal Government funding deed of agreement pending.	Not Commenced
CP0001871	MBA Centenary Park Upgrade Fencing	Contract awarded. Works to commence early 2025.	Construction
CP0003670	MBA Amaroo Park Shade	Planning underway.	Planning
CP000807	KDA Centenary Park Playground Upgrade	Footpath works to commence February 2025.	Construction
CP000809	MBA Bicentennial Lakes (Southern) D&C	Assessing scope and cost to install a fence to stop children running up the slide embankment. Arched footbridges replacement with accessible footbridges construction underway.	Construction
CP000860	KDA Anzac Park Landscaping	Park upgrade complete. Planning for the installation of tree naming plaques being undertaken.	Completed
CP000861	KDA Coondoo Street Refurb	Contract awarded. Refurbishment works to commence February 2025.	Procurement
CP000862	KDA CBD Planter Boxes & Gardens	Contract awarded. Works to commence February 2025.	Planning

**Program: 11 - Water**

CP0001036	23/24 AC Water Main Replace Program	Works complete.	Completed
CP0001037	23/24 Water Telemetry/SCADA Upgrades	User training completed August 2024.	Completed
CP0001038	23/24 Retic Valve/Hyd Replace Program	New valves to be installed Lera and Byrnes Streets.	Construction
CP0002670	FY24/25 - WTP Minor Infrastructure	Works are underway and will be completed by mid to late April.	Construction
CP0002671	FY24/25 - Water Main Replacement	Works are progressing well and stage 2 of the 2024-25 water main are currently out to tender to meet the WISER grant funding milestones.	Construction
CP0002672	FY24/25 - KDA WTP Turbidity Meters	Initial meeting with contractor held during October to establish a works schedule which will be finalised during November.	Construction
CP0002675	FY24/25 - Replace Chlorine Analysers	Equipment has arrived with some fittings being manufactured to allow for installation.	Construction
CP0002677	FY24/25 - Telemetry/SCADA Upgrades	Initial meeting with contractor held during October to establish a works schedule which will be finalised during November.	Construction
CP0002680	FY24/25 - Hydrants & Valve Renewal	A program of works has been developed and will be undertaken throughout the 2024-25 FY.	Construction
CP0002682	FY24/25 - Irvinebank Ibis Dam PS	Existing pump has had another inspection and before replacing we will fit a strainer on the suction side of the pump to see if it can be operated efficiently enough.	Construction
CP0002683	FY24/25 - DIM WTP Pump Replacement	As assessment will be made during the November servicing and maintenance schedule whether the pump will be replaced.	Planning

**Infrastructure Services Capital Works Summary Report - October 2024**



CP0002684	FY24/25 - Smart Meters Replacement	This project is ongoing throughout 24-25.	Construction
CP0002762	FY24/25 - MBA WTP Refurbish Clarifiers	Project works have been awarded and the contractor has advised they are in procurement phase with actual works to commence in the second quarter of 2025.	Construction
CP0002764	MtM Replace Hunter Ck Weir	Suitable consultant has been engaged to carryout an assessment on the weir with councils surveyor undertaking a detailed survey of the site to help inform the assessment.	Construction
CP0002921	MBA Booster Pump Station Relocation	An RFQ was issued to the market for the relocation of the Granite Creek booster pump set to Centenary Park and a contractor has been engaged. The pump set cannot be moved until some minor pipe realignment is undertaken at Granite Creek and its expected the actual moving of the pump set will occur in the first half of 2025.	Construction
CP0003667	FY24/25 Irvinebank Ibis Dam Valves	We met with GHD Consulting on site who made recommendations on valves required and officers are currently sourcing quotes prior to procuring.	Planning
CP0003668	CHI Renew Water Line	This project will only be done in 2024-2025 if there are residual funds left over from replacing water mains in Mareeba and Mt Molloy in 2024-2025.	On Hold
CP0003734	MBA WTP Fuel Pod For Generator	Fleet coordinator to acquire the new fuel pod for installation late November/December 2024.	Procurement
CP00730	Mba WTP Study for Upgrade of WW System	This project now completed and once commitments are cleared it can be closed out.	Completed
CP00733	BOR6 MWTP Filtration Upgrade	Filtration project has now been successfully commissioned. Contractor is finishing a few minor tasks and once completed the project can then be closed out.	Construction
CP00878	MBA Decommission Basalt St Elevated Tank	This work is in process and will be completed as soon as possible.	Construction
CP00879	MBA Decommission Granite Ck Pump Station	The works are being done in conjunction with the relocation of the pump set and will be completed in the first half of 2025.	Construction

**Program: 12 - Wastewater**

CP0001041	Mba WWTP Inlet Works Replacements	Waiting on LM Engineering to complete their works.	Construction
CP0001043	Atherton St Pump Station Refurb	Project subject to grant funding.	On Hold
CP0001046	23/24 WW Telemetry/SCADA Upgrades	Project now completed and can be closed out.	Completed
CP0001047	23/24 WW CCTV & Relining Program	Project completed with reduced scope in June 2024.	Completed
CP0001050	Kennedy Hwy PS Control Board Upgrade	New electrical switchboard installed and commissioned. Once commitments are cleared the project can be closed out.	Completed
CP0001053	23/24 WWPS Refurbishment Program	Works substantially completed in October.	Construction
CP0002474	FY24/25 - MBA Sewer CCTV & Reline Prog	Council staff are developing a works program based on asset inspection and condition assessments and a contractor will be engaged as soon as the works program is finalised.	Construction
CP0002475	FY24/25 - WW Pump Station Ancillary	RFQ's have been released to the market via vendor panel for work packages and once the RFQ's close they will be assessed and awarded.	Procurement
CP0002476	FY24/25 - WW Reticulation Pumps Renewal	To date one new pump has been ordered with an assessment on remaining pumps to be undertaken during routine servicing and maintenance in November.	Procurement
CP0002477	FY24/25 - Telemetry/SCADA Upgrades	Initial meeting with contractor held during October to establish a works schedule which will be finalised during November.	Planning

**Infrastructure Services Capital Works Summary Report - October 2024**



CP0002479	FY24/25 - Pump Station Generators x 2	Generators are now installed and connected electrically, contractor is in the process of connecting the generators to the telemetry network.	Construction
CP0002480	FY24/25 - Manhole Rehab & Replace	Project tender has now been awarded with a project pre-start meeting scheduled for 18 November and the program of works to commence soon after.	Construction
CP0002481	FY24/25 - MBA Constance St Rising Main	Project is currently at design completion stage with a short section of the new sewer main installed at the intersection of Constance Street / Herberton Street. The as-constructed drawings from sewer main works will now be used to inform and update the final design of the project.	Design
CP0003715	KDA WWTP Renew 6x4m Shed	Quotes were sourced from suitably qualified suppliers, purchase order has been issued and works will commence once materials arrive.	Construction
CP0003722	KDA WWTP Renew 6x6m Shed	Quotes were sourced form suitably qualified suppliers, purchase order has been issued and works will commence once materials arrive.	Construction
CP00889	22/23 MBA Sewer CCTV & Relining	Sewer reticulation smoke detection and CCTV imaging works currently underway with an expected completion timeframe of end of November.	Construction

**Program: 13 - Waste**

CP0002216	KDA WTS New Ablution Block	Project works now awarded and the contractor will schedule the program of works to commence early January 2025.	Construction
CP0002220	MBA TS Leachate Pump Annual Program	There has been some safety issues highlighted with accessing the pumps, this is now under review and a methodology will be developed to mitigate any risks. Pumps will then also be assessed for replacement during the November servicing.	Planning
CP0002221	MBA TS Leachate PS Pump	There has been some safety issues highlighted with accessing the pumps, this is now under review and a methodology will be developed to mitigate any risks. Pumps will then also be assessed for replacement during the November servicing.	Planning

**Program: 15 - Fleet**

CP0001071	Fleet Replace #1231 Toyota WW	Procurement in progress.	Procurement
CP0003738	Replace Asset 741 Street Sweeper	Procurement Stage, assessing tenders.	Procurement
CP0003739	Replace Asset 620 Job Truck	Vehicle on order.	Procurement
CP0003740	Replace Asset 1255 Toyota Hilux	Assessment complete, waiting approval to order.	Planning
CP0003741	Replace Asset 1274 Toyota Hilux	Vehicle on order.	Procurement
CP0003742	Replace Asset 4052 Kubota Mower	New mower delivery 5th November 2024.	Procurement
CP0003743	Replace Asset 5005 MF Tractor/Loader	Tractor delivery November 2024.	Procurement
CP0003752	Replace Asset 3010 Toyota Landcruiser	Vehicle on order, expected delivery November 2024.	Procurement
CP0003773	Replace Asset 1307 Mitsubishi Pajero	New Vehicle in service.	Completed

**Program: 16 - Depots and Council Offices**

**Infrastructure Services Capital Works Summary Report - October 2024**



CP0001064	Mba Depot Admin Building Refurb	Minor works to provide compliant footpath to front of building to commence early December.	Construction
CP0001597	CHI Depot Office Renewal	Contract awarded to JMB. Construction works to commence November 2024.	Construction
CP0003737	MBA Kowa St External Staff Training Room	Out for procurement	Procurement
CP0003765	MBA Kowa St Depot Fuel Bowser	Contract awarded to NQ Petro. Construction works to commence February/March 2025.	Construction
CP00759	Kowa St MSC Depot Emergency Generator	Consultant engaged. Awaiting program.	Design

**Program: 17 - Community Buildings**

CP0001059	Mba/Dim Aquatic Condition Assessment	RFQ development has begun with the intent to release to market prior to end of 2024.	Planning
CP0001632	Annual Toilet Refurbishment Program	Scoping works continuing.	Planning
CP0001637	KDA Library Paint & Roof Improvements	Awning structure works awarded. Awning kit ordered. Works program to be advised.	Construction
CP0001639	Annual Minor Building Refurbishment	Planning continuing.	Planning
CP0001646	KDA Recreation Centre Improvements	Contract awarded to Afrim Bresa Fencing. Works to commence early 2025.	Construction
CP0001664	Annual Facilities LED Lighting	Not commenced.	Not Commenced
CP0002909	DIM Memorial Hall Park Lighting Upgrade	Contract awarded. Works to commence November 2024.	Construction
CP0003718	MBA Davies Park Field 2 Lighting Upgrade	Project on hold. Awaiting suitable grant funding.	Design
CP0003729	MBA Aquatic Centre Pool Expansion Joints	Reviewing project scope in conjunction with Pool Lessee.	Planning
CP0003756	MBA Davies Park Field 1 Lighting Upgrade	Tender evaluations complete. Recommendation put forward for Council resolution due 20 November 2024.	Procurement
CP0003774	MBA Animal Mgmt Solar Panels - ON HOLD	On Hold.	On Hold
CP0003792	MBA Animal Management Facility Flooring	Out for Procurement. Submissions due 12 November 2024.	Procurement
CP00749	Aquatic Facility Upgrades & Splash Park	Works complete.	Completed
CP00793	MBA Women's Restroom Refurb	Investigations for options to commence prior to end of 2024.	Planning
CP00819	22/23 Shire Toilet Facility Repl Program	Arnold Park Toilet Repairs/Refurbishment complete.	Completed
CP00909	KDA Aquatic Cnt 25m Pool Aquaris Upgrade	Delays due to contractor availability.	Procurement
CP00941	23/24 Park/Sporting LED Lights Arnold Pk	Reviewing Electrical Engineering Report before going out to Quote.	Design
CP00942	22/23 DIM Town Hall A/C/Solar/Lighting	Main switch board, air conditioning and solar installed.	Completed

**Program: 18 - Non-Infrastructure Items**

CP0001085	Mba Cemetery Expansion Planning	Investigations into concept options commenced.	Planning
CP0003684	MBA New Cemetery Lawn Plaque on Beam	Concrete beam installation completed. Irrigation extensions will be completed in November.	Construction
CP0003716	MBA Smartnet GPS Base Replacement	Equipment on order.	Procurement



**Infrastructure Services Capital Works Summary Report - October 2024**



CP0003717	KDA Heights Cemetery Lawn Plaque on Beam	Project will commence 05/11/2024.	Construction
CP00446	Kuranda New Cemetery	Contract awarded for Gabion Walls, construction commenced.	Construction
CP00932	MBA MIP Expansion	Consultant engaged for detailed design.	Design
			<b>Total</b>

**9.6 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - OCTOBER 2024**

**Date Prepared:** 17 October 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 October 2024.

**RECOMMENDATION**

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

**BACKGROUND**

**Technical Services**

Design, quality, and investigations:

Investigation activities undertaken in October included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	83	12
Drainage Investigations	33	4
NHVR Permit Applications	0	16
Traffic Count Surveys	0	13
Parks Investigations	7	0
Aerodromes	1	0
Miscellaneous e.g. Planning; Local Laws	31	26
Before You Dig Requests	0	96

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. The laboratory delivered 184 tests in October, 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
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):

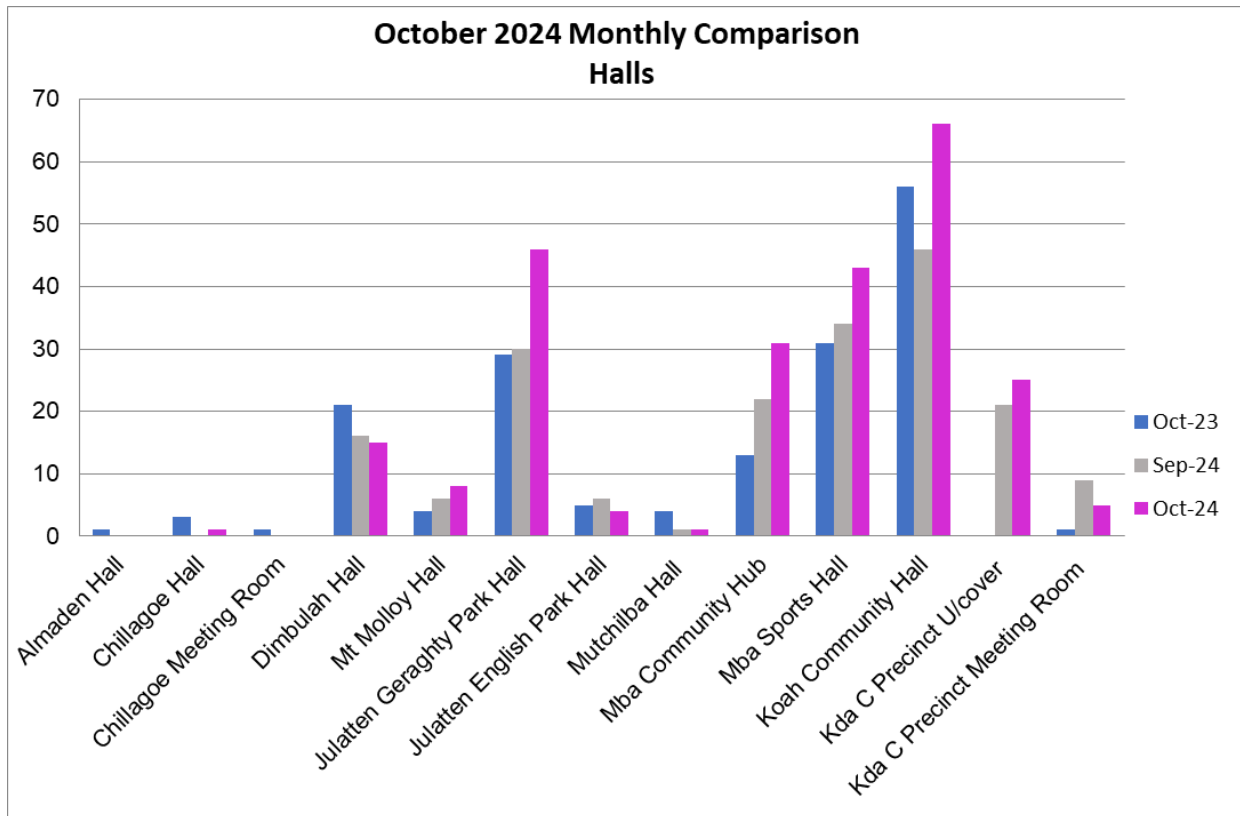
The DRFA is jointly funded by the Commonwealth and Queensland governments to help alleviate the costs of relief and recovery activities undertaken in disaster-affected communities by delivering recovery activities to return affected eligible assets back to pre-event condition. The status of declared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

Program	Status
2022 DRFA	Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Although the Gamboola Crossing Bridge remains the only current project, the structure has reached practical completion.
2022 Betterment	The Gully Betterment contract has reached practical completion. A report will be prepared for QRA/Council detailing the works completed.
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 Jasper	Declared event December 2023 - ‘Tropical Cyclone Jasper’, associated rainfall and flooding, 13 – 28 December 2023’ with damage assessments continuing. Barron Falls Road landslip is nearing completion, an assessment on guardrail requirements is underway.

Program	Status
	<p>Works to replace Bushy Creek Bridge, Mt Lewis Road, Julatten continue. Completion prior to end of year remains on track.</p> <p>Jarawee Road, Kuranda, Landslip: works are progressing, targeting for completion prior to end of year.</p> <p>Emerald End Road: works have commenced, with practical completion targeted for end of calendar year.</p> <p>Works to clear flood debris from the waterways continues, with works programmed for completion in late November.</p>

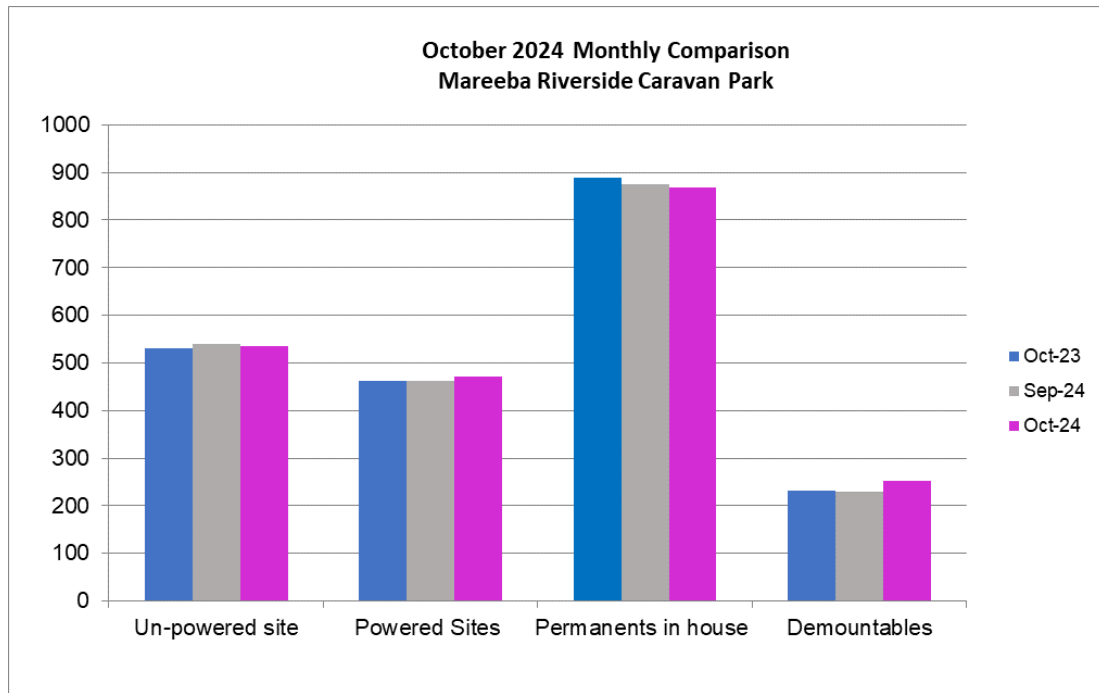
**Community Halls:**

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.

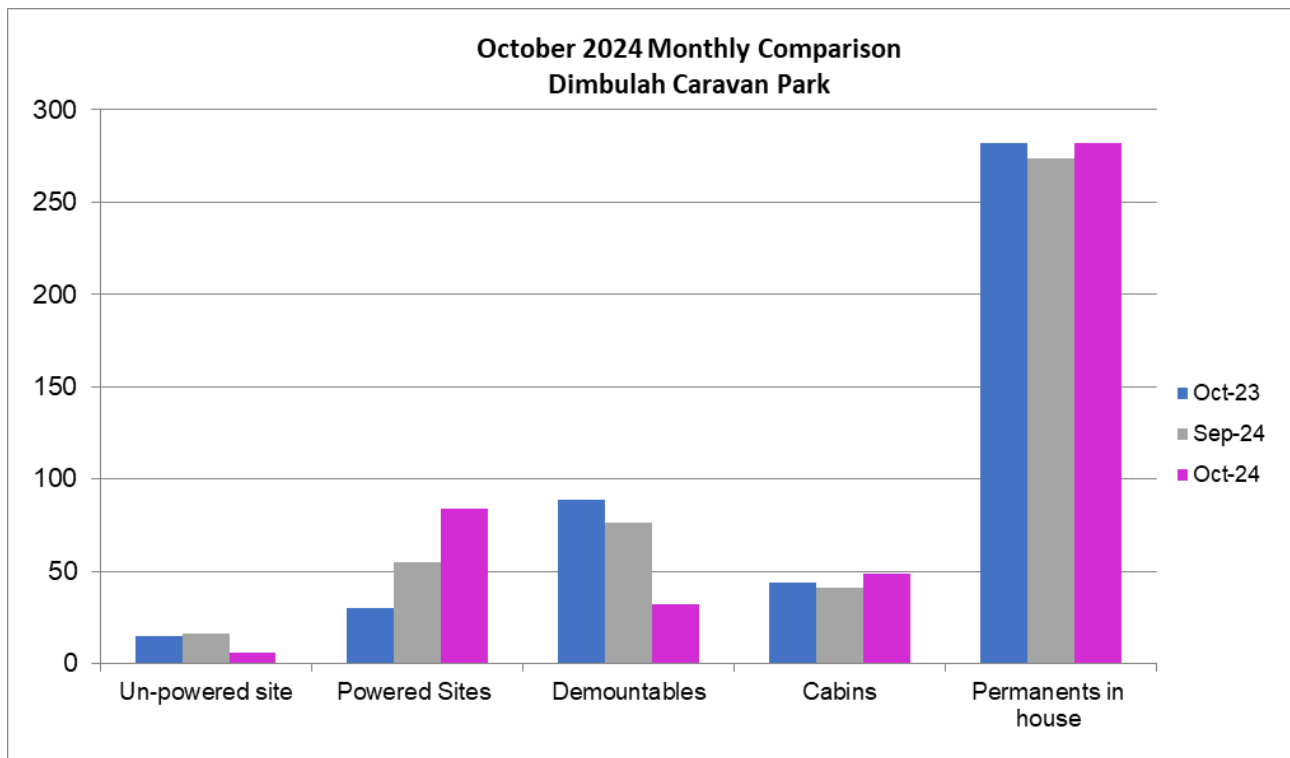


Caravan Parks:

Mareeba Riverside Caravan Park, utilisation remains strong with park close to capacity.

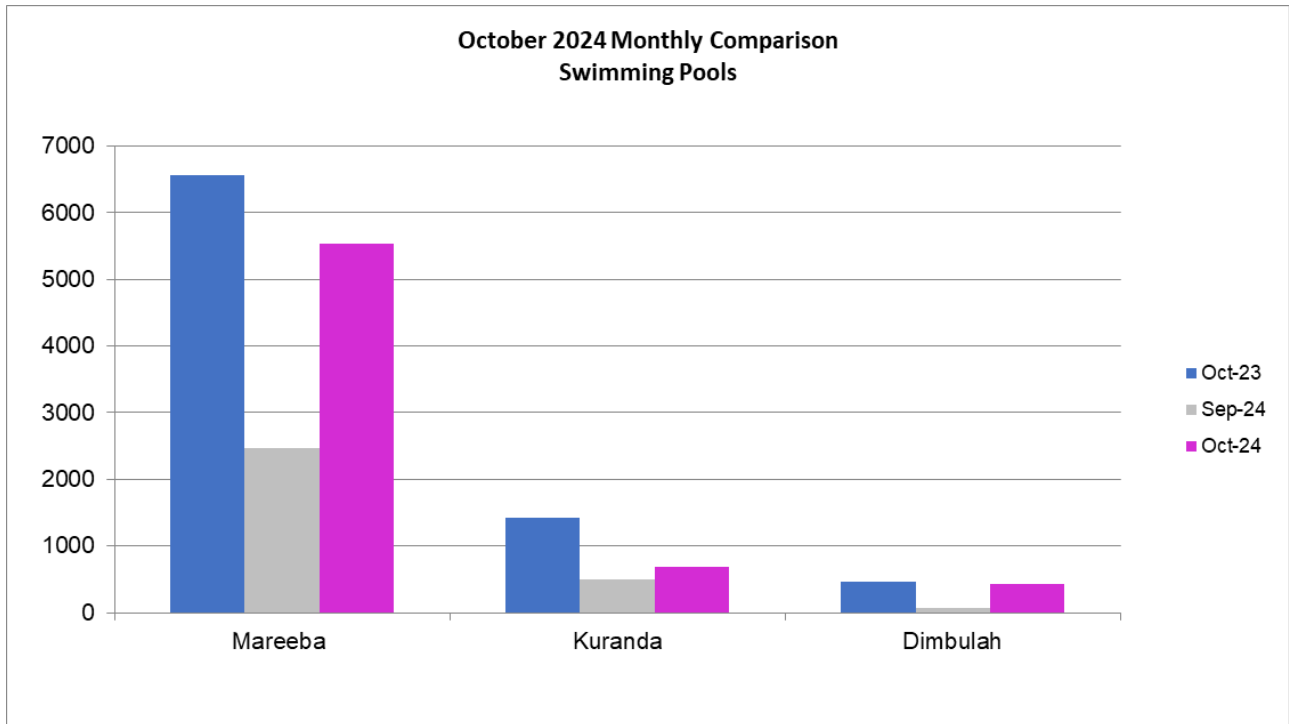


Dimbulah Caravan Park user numbers (total) have generally remained stable against previous months/years numbers.



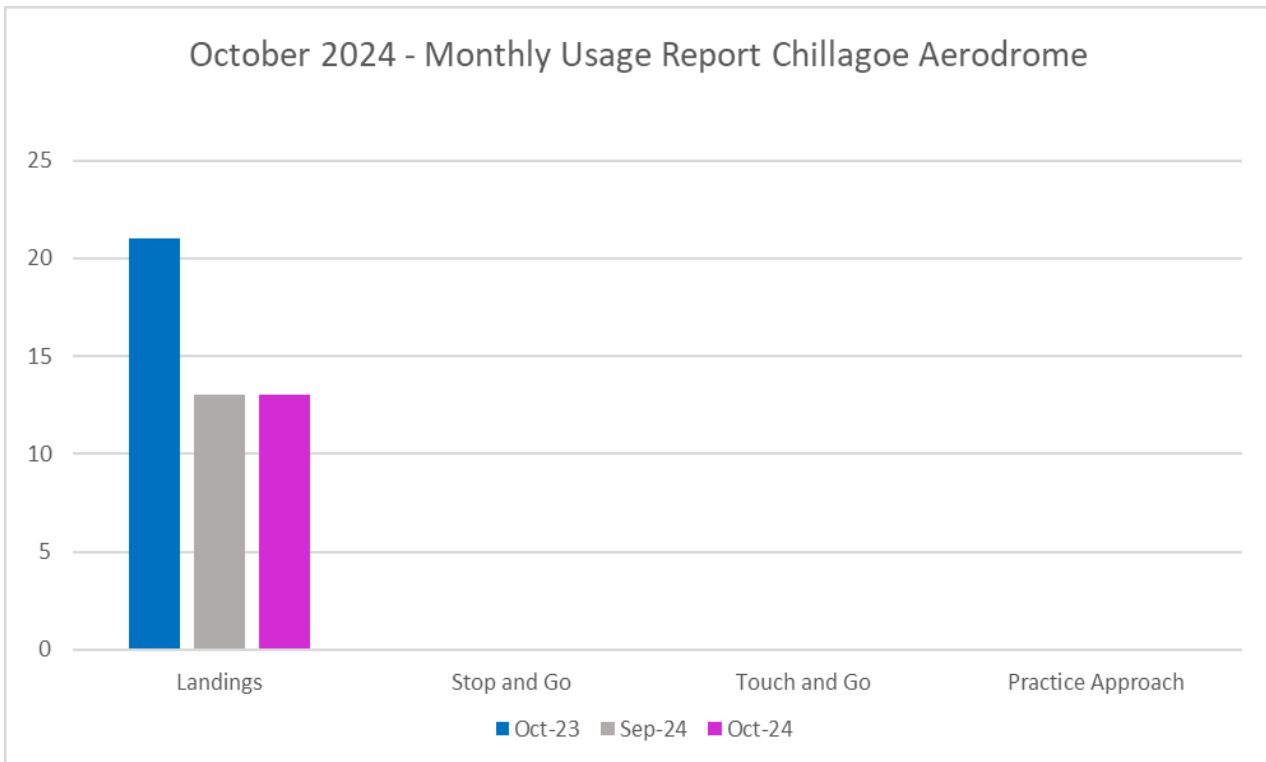
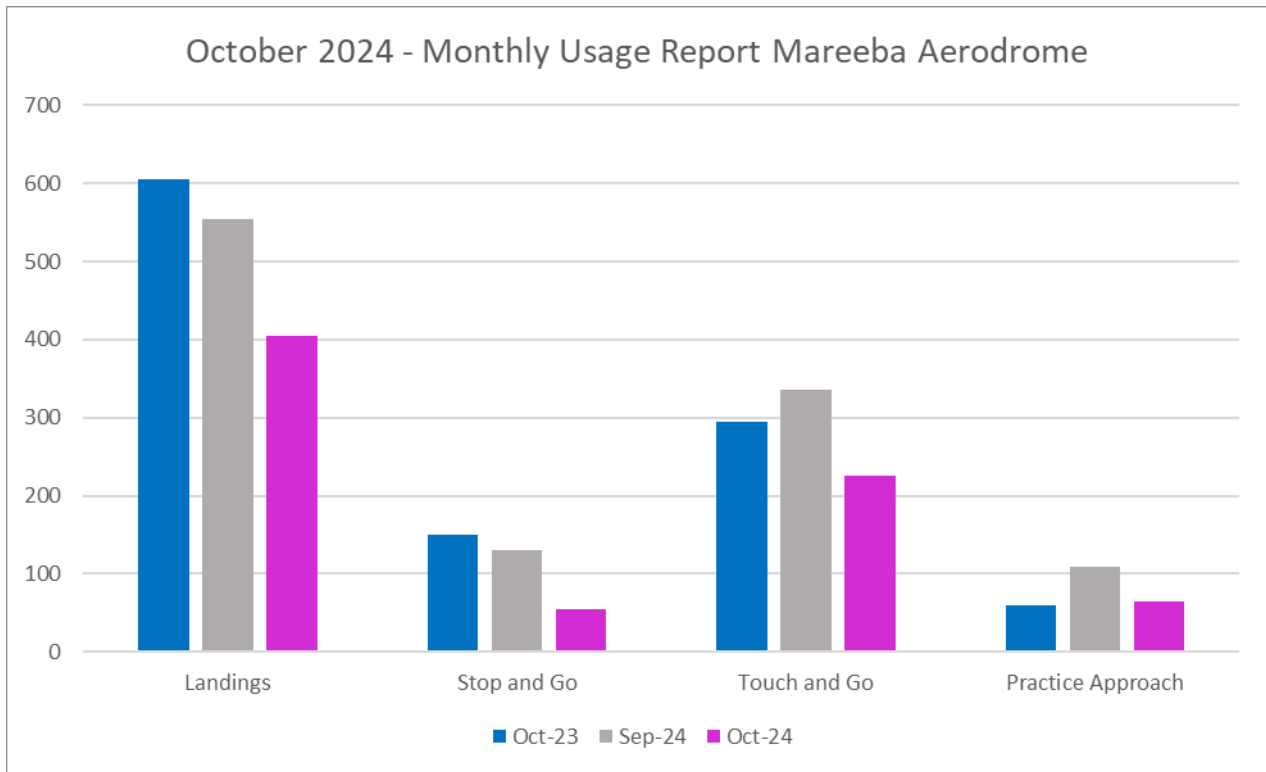
Aquatic Centres

Attendance at Mareeba Facility has strongly improved against previous month figures. Kuranda and Dimbulah remain stable.



Aerodromes:

The data recorded below is current for the month of October, 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.



**LINK TO CORPORATE PLAN**

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

**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



**9.7 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - OCTOBER 2024**

**Date Prepared:** 17 October 2024  
**Author:** Water & Waste Technical Officer  
**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 October 2024.

**RECOMMENDATION**

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

**BACKGROUND**

**Water and Wastewater Treatment:**

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

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)	10632	1156	297	622	240
Number of Connections	4141	1053	127	246	111
Average daily water consumption per connection (L)	2568	1098	2339	2528	2161

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

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2205	164
Number of Connections	3519	356
Average daily inflow per connection (L)	627	461

**Mareeba Water Treatment Plant Upgrades:**

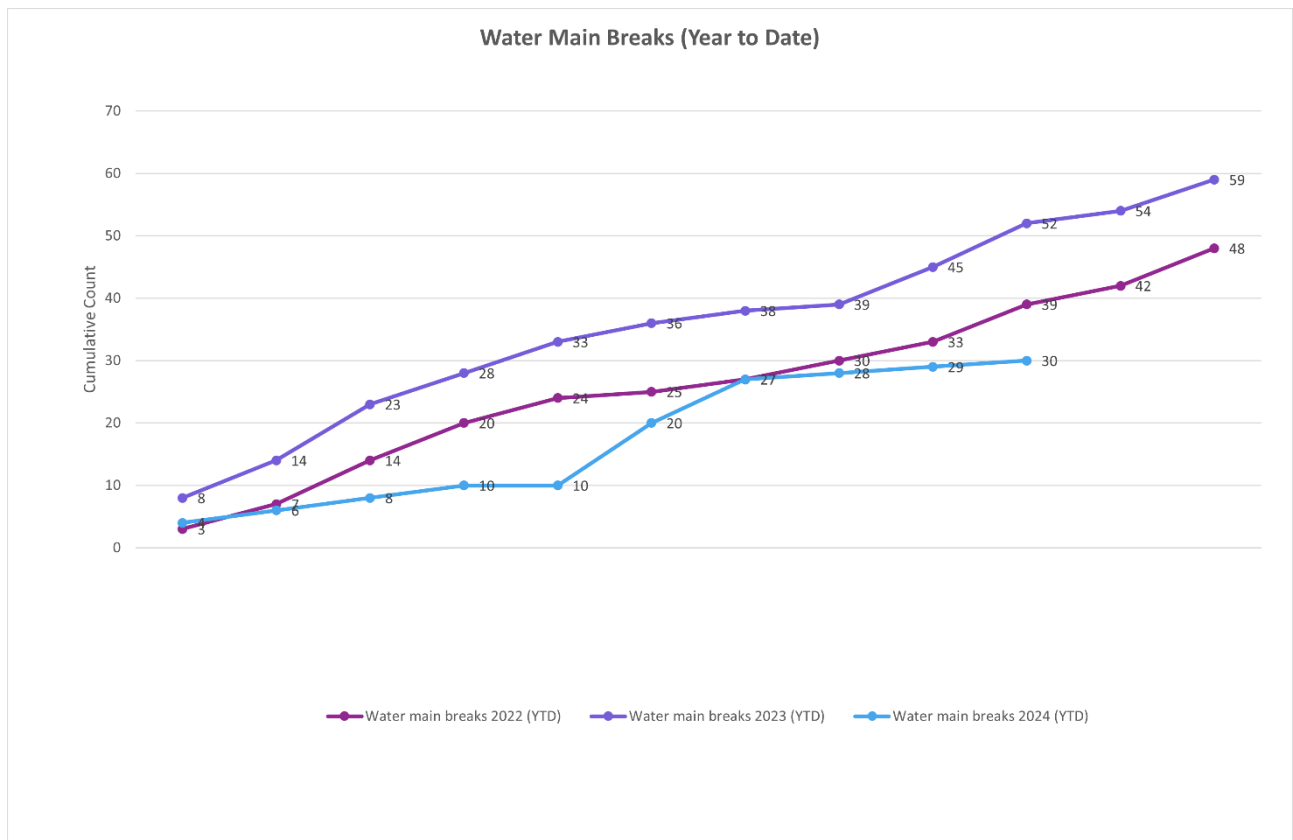
Three (3) critical infrastructure projects at the Mareeba Water Treatment Plant (MWTP) have now been completed as part of Council’s 10-year Water Strategy.

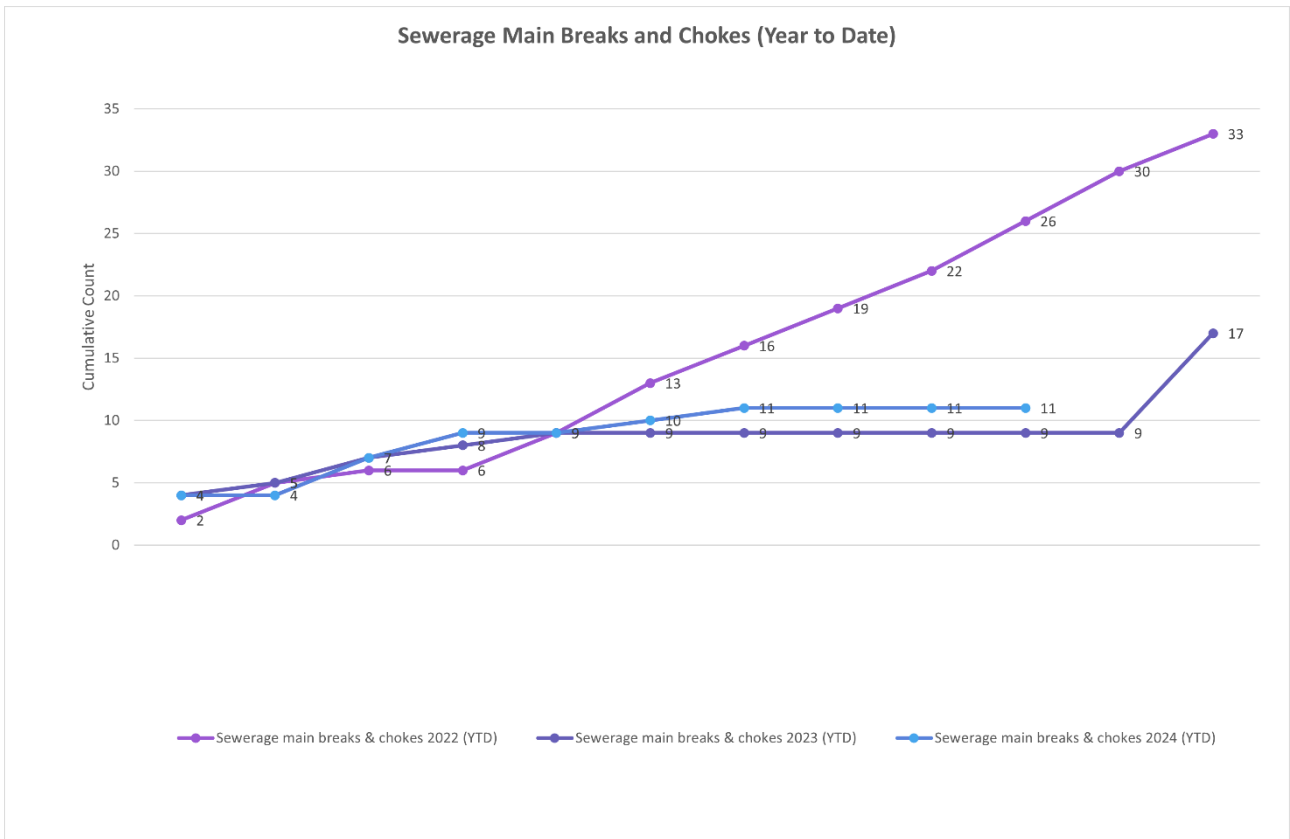
**Water and Wastewater Reticulation:**

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:

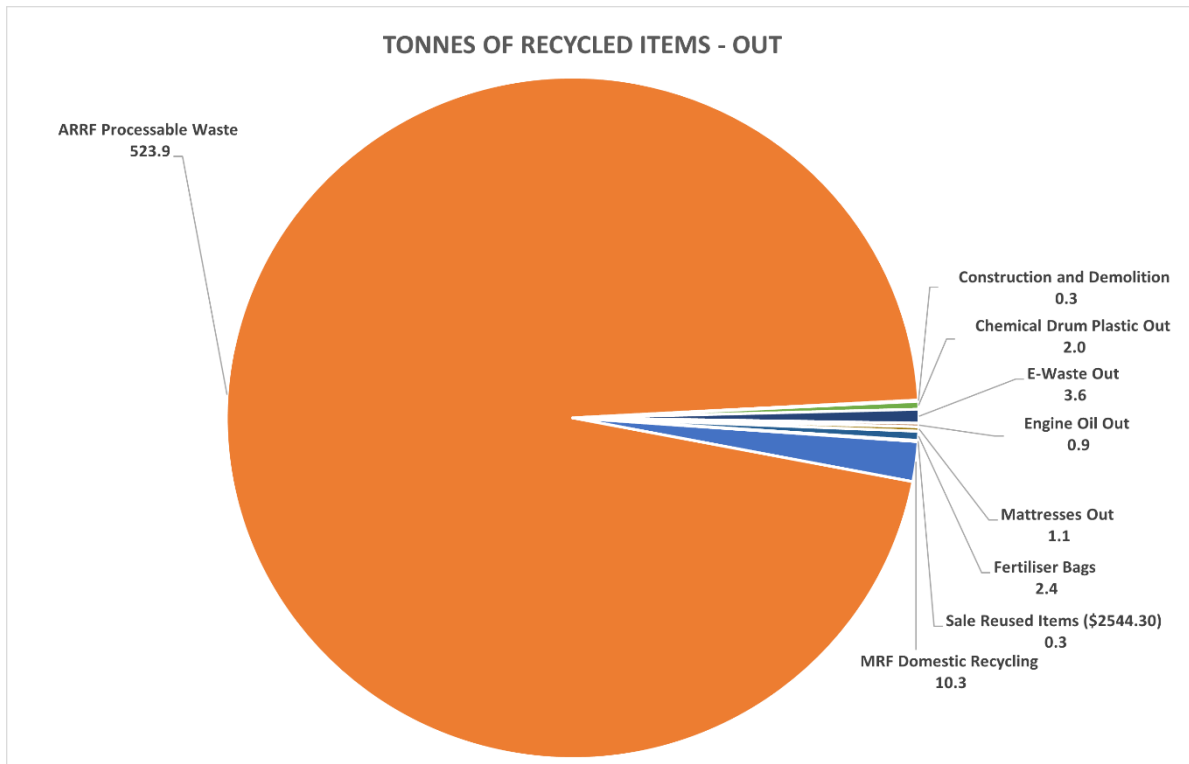




**Waste Operations:**

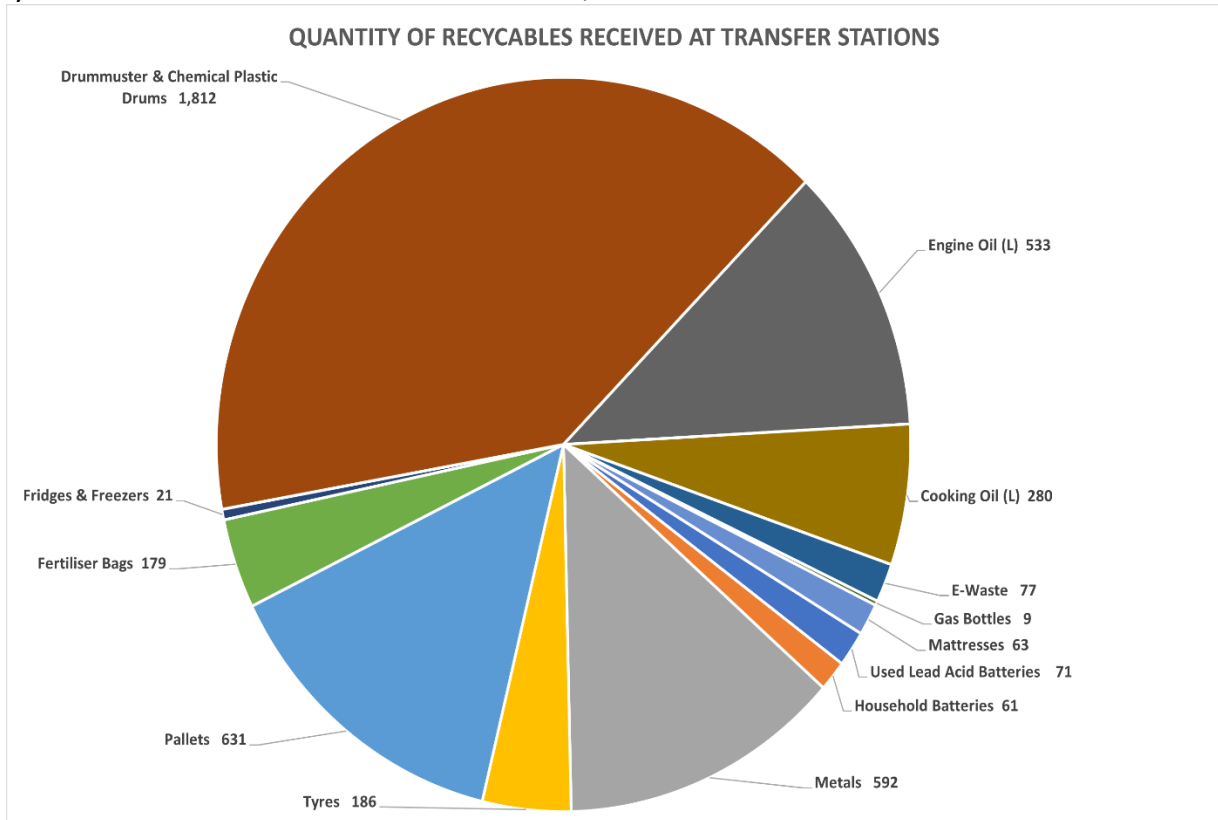
Waste material collected in Kerbside trucks is transported to the Advanced Resource Recovery Facility (ARRF) in Cairns for processing. Residual waste and waste collected at Transfer Stations is transported to Springmount Waste Facility, and recyclable material is transported to the Material Recovery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

During October, 523.9 tonnes of waste was processed through the ARRF, 162 tonnes of waste was sent to Springmount Waste Facility and 10.3 tonnes of domestic items were recycled at the MRF.



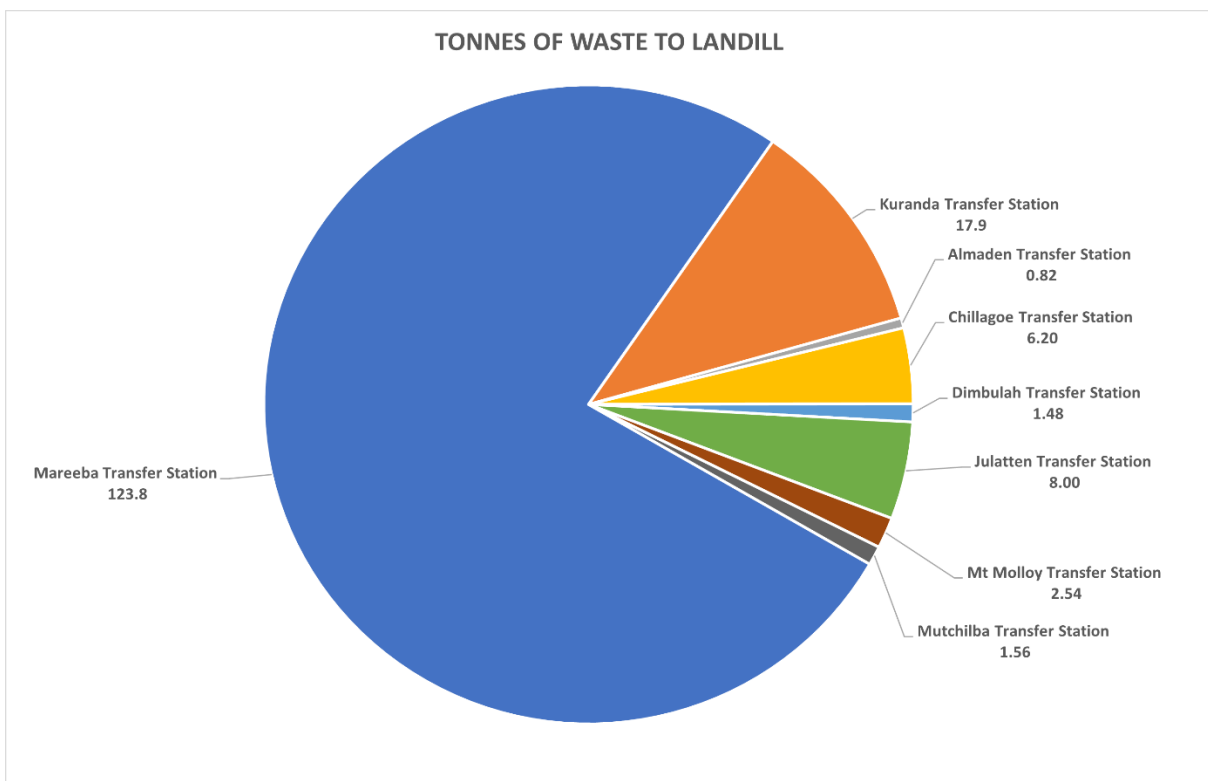
Recycling

Residents continue to recycle at the Transfer Stations. During October the highest count of recyclable received were 1812 Chemical drums, 631 Pallets and 592 Metal items.



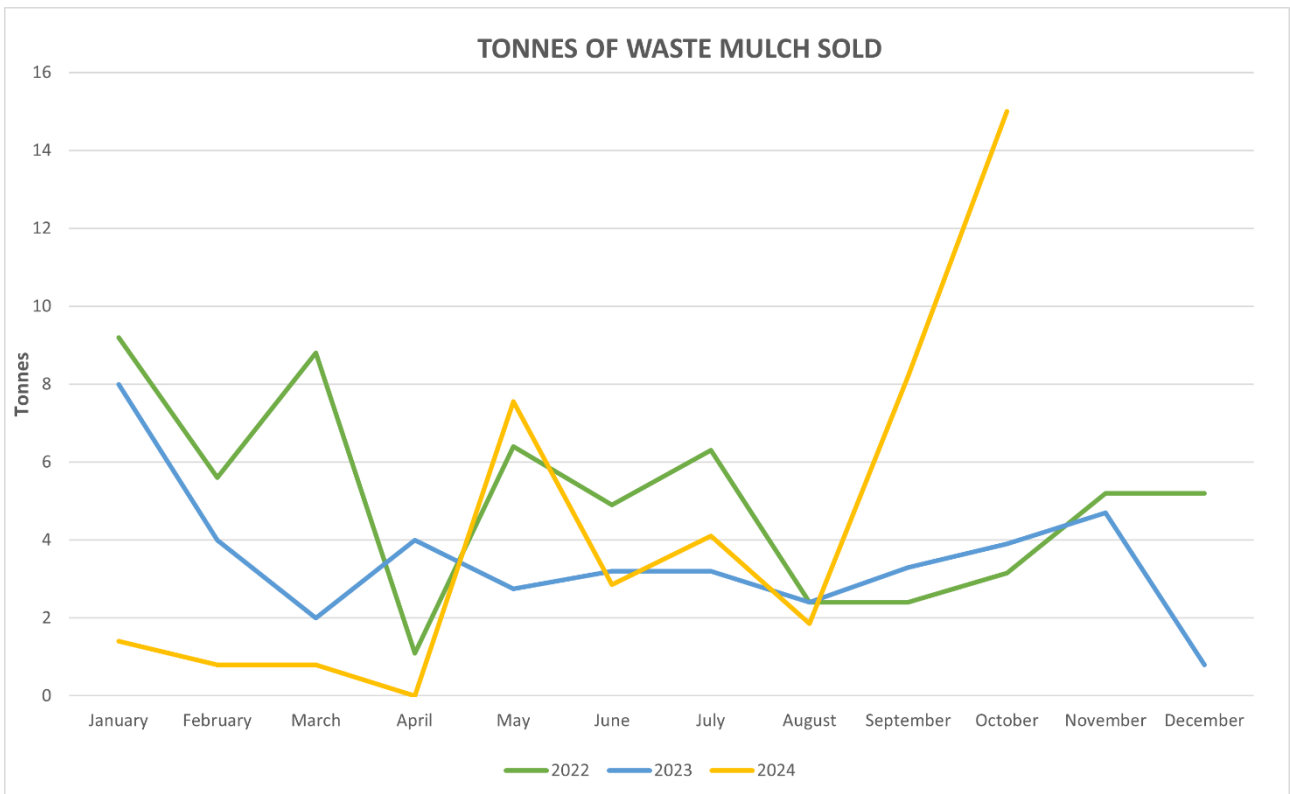
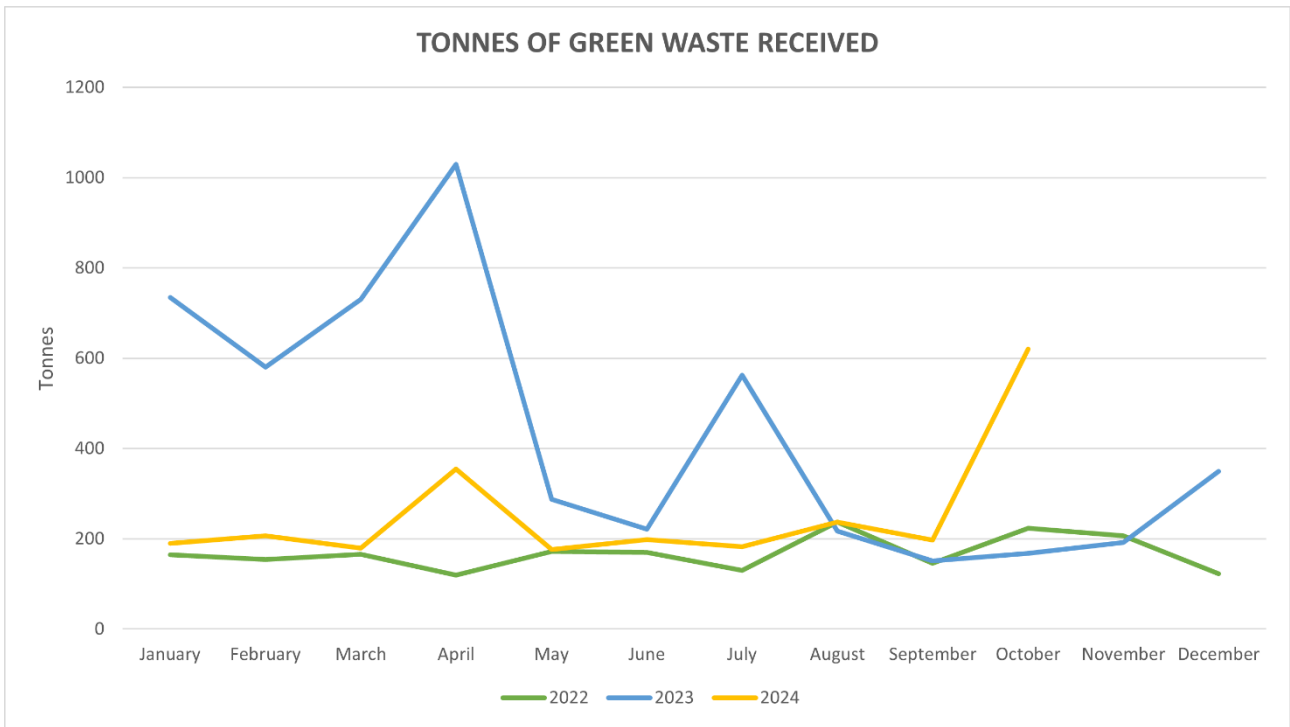
Transfer Station Waste

Transfer Station dry waste is transported off site to the Springmount Waste Facility. During October a total of 162.28 tonnes of waste was sent to landfill. Mareeba Transfer Station contributed to 123.8 tonnes to landfill, and Kuranda 17.9 tonnes.



**Green Waste:**

During October, Council received a total of 619.72 tonnes of green waste. Kuranda recorded 13 tonnes of green waste from locations registered as being potentially contaminated with Electric Ants. 15 tonnes of mulch was sold.



**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**

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**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

**9.8 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - OCTOBER 2024**

**Date Prepared:** 8 November 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 October 2024.

**RECOMMENDATION**

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

**BACKGROUND**

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

**Transport Infrastructure**

General Maintenance

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

Activity	Location
Unsealed Road Grading	Cane Road, Paglietta Road, Roos Road, Martin Road, Slape Road, Mclver Road, George Fabris Road, Ray Road, Zenel Road, Venture Road, Mines Road, Leonardi Road, Copine Road, Spurrier Road
Bitumen Patching (Area)	Kuranda, Mareeba, Bilwon, Dimbulah, Paddy's Green, Julatten
Unsealed Road Maintenance	Henry Hannam Drive, Big Sands Lane, Boyles Road, Railway Street, Scrub Street, Brown Road
Drainage Maintenance	Ray Road, Collins Weir Road, Karobean Drive, Costin Street, Black Mountain Road, Cypress Road, Fichera Road, McGrath Road, Macadamia Street, Reynolds Street, Morrish Road, Orchid Close, Bilwon Road, Argyle Street, Windy Hollow Road, McKenzie Street, Glynn Street, Short Street, Boyles Road, Kingfisher Drive, Barnwell Road, Clacherty Road, Bullaburrah Creek Road
Tree Clearing (Area)	Kuranda, Julatten, Chillagoe, Irvinebank, Mt Molloy
Unsealed Shoulder Maintenance	Cobra Road, Malone Road, Bullaburrah Creek Road, Top Eureka Creek Road

Customer Requests

During October, the Works Group received 119 Customer Requests (CRs) with 153 resolved (resolved requests include those received prior to October 2024). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
October	87	30	2

At the time of reporting, the Works Group had 26 open requests.

**TMR Routine Maintenance Performance Contract (RMPC)**

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

- Rest Area Servicing at Edmund Kennedy Bridge.
- Yearly pipe inspections - record co-ordinates and lengths.

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

- Install guideposts and repair.
- Pothole patching.
- Roadside Litter Collection - Rifle Creek and Mt Carbine Truck Stop.
- Rest Area Servicing at Rifle Creek.
- Remove additional dumped rubbish at Rifle Creek - gazebo, pet carrier and used bedding.
- Yearly pipe inspections - record co-ordinates and lengths.
- Cut and poison suckers/regrowth in cuttings on both sides of road at Mareeba Shire/Cook Shire boundary.
- Provide traffic control and signage for bush fires at Mt Carbine.

**653 - Mossman-Mt Molloy Road**

- Rest Area Servicing at Hunter Creek.
- Roadside litter collection - Hunter Creek, Environ Park and Lyons Park.
- Erect signage at incident where truck has dropped loose stones at Gin Creek causeway.

**664 - Mareeba-Dimbulah Road**

- Provide traffic control and signage for bush fires.

**662 - Mareeba Connection Road**

- Yearly pipe inspections recording co-ordinates and lengths.

**6632 – Herberton-Petford Road**

- Medium formation grading - Watsonville to Irvinebank.
- Install new post and 2 CAM'S (black and yellow) signs on RHS of road.
- Supply and install missing Give Way sign at Macdonald Creek.
- Yearly pipe inspections - record co-ordinates and lengths.

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

- Medium Formation Grade Almaden to Chillagoe gravel section (3.5km).
- Eureka Creek Rest Area Servicing and ground maintenance.
- Repair dust holes between Rookwood Station and Mungana turnoff.



- Repair RCPs - pipe 37 and 40.
- Cut up and remove large tree fallen in inlet side of pipe 275.
- Cleaning silt off truck bay outside of Chillagoe opposite mine camp.
- Medium Formation Grade Trimbles Crossing to the Lynd Causeway.
- Medium Formation Grade - Lynd River to Boundary.
- Medium Formation Grade Chillagoe to Mungana.
- Supply and Install 100 Km speed sign including post damaged by vehicle.
- Supply and Install 1 x Crest sign.
- Supply Gamboola distance signage.
- Install depth marker plates for Ferguson and Trimble’s Crossing Flood Markers.
- Yearly pipe inspections Dimbulah to Boundary recording co-ordinates and lengths.

**Parks and Open Spaces**

Description	Comment
Mowing	Fortnightly mowing of irrigated areas; general mowing has slowed down considerably and is done on an as needs basis.
Playing fields mowing	Davies, Borzi and Firth Parks are now on a weekly program.
General maintenance	Fertilise all Mareeba irrigated parks and ovals. Audit irrigation systems and undertake repairs – Arnold Park, Sunbird Park, Centenary Park, Vains Park, Davies Park, Anzac Park, Basalt Gully, Town Hall Park, Ten Acre Park.
Playgrounds	Replace swing seats at Amaroo Park.
Burials	<p>Mareeba</p> <ul style="list-style-type: none"> <li>• Three (3) in-ground interments</li> <li>• Two (2) Mausoleum Wall interments</li> <li>• Two (2) Columbarium Wall interments</li> </ul> <p>Kuranda</p> <ul style="list-style-type: none"> <li>• One (1) in-ground interment (Old Cemetery)</li> <li>• One (1) in-ground interment (Kuranda Heights Cemetery)</li> </ul> <p>Dimbulah</p> <ul style="list-style-type: none"> <li>• Two (2) Columbarium Wall interments</li> </ul>
LOA	LOA prisoners at the Mareeba Cemetery.
Tree maintenance	Tree removals in Mareeba.
Fire management	<p>Assist Blue Care – green waste stockpile burn.</p> <p>Assist Urban and Rural fire brigades with controlling a bush fire in the La Spina Road area.</p>

**Land Protection**

**Parthenium Weed:** Inspections carried out on 13 sites. All landholders are complying with their biosecurity obligation.

**Amazon Frogbit:** Work along Chinaman Creek and Atherton Creek on the Barron River Catchment, hand removal and Herbicide treatment of Frogbit.

**Chillagoe township:** Four (4) days treating and mapping Chinese apple, Neem trees and Rubber vine in and around Chillagoe township on Council roads and reserves.

**Kuranda Miconia:** Creeks and gullies in and around Kuranda have been surveyed and hand removal of Miconia species has been carried out.



*Miconia calvescens* - Kuranda

**Enhancing local government biosecurity capabilities meeting:** The fourth of five (5) meetings was held by Pormpuraaw Shire Council, which was attended by ranger groups and land protection officers from Mareeba, Cook, Kowanyama, Pormpuraaw, Carpentaria Shires and Queensland Department of Agriculture and Fisheries (QLD DAF) biosecurity to help enhance local government biosecurity capabilities. Knowledge sharing and stronger relationships between shires will help with future work in the region.

**Trap Ants (Electric and Crazy ants):** Sentinel site surveys have been carried out at Council transfer stations with samples supplied to QLD DAF for identification. Not positive results detected.

**Wild dogs:** 1080 baiting has been carried out on 11 cattle grazing properties totalling 505,720 Ha of land.

**Wild Pigs:** Three (3) pigs trapped and destroyed at Springs Road Mareeba.

## FINANCIAL AND RESOURCE IMPLICATIONS

### **Operating**

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

## 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.

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

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

**Liveability and Environment:** Improve the liveability of the Shire by enhancing amenity and valuing natural assets.

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

#### **IMPLEMENTATION/COMMUNICATION**

Nil