

9 INFRASTRUCTURE SERVICES

9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - NOVEMBER 2024

Date Prepared: 18 November 2024

Author: Manager Assets and Projects

Attachments:

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

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 November 2024.

RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of November 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 – November 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 interments 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 and has completed the first layer of the gabion wall. Construction of the next layer has commenced.



Gabion wall construction continuing

Infrastructure Services Capital Works Report Project Highlights – November 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 Gardens 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 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

Table 1 – 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

Gregg Construction Pty Ltd commenced work at three locations: Location 2 (BP Median Island) and two of the northern sites on Byrnes St – Locations 6 and 8.

Concrete maintenance kerbs have been installed, new trees and shrubs have been planted with irrigation and mulching required to complete the garden bed upgrade at these three sites. Photos below.



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



Location 8: Concrete kerbs installed and planting underway on Byrnes Street Median Island on the eastern side of the road between Railway Avenue (northern end) and Granite Creek



Location 6 (Northern Byrnes St Corner of Railway Avenue and Rotary Par) and Location 2 - BP Median Island: Concrete kerbs installed and planting underway.

Infrastructure Services Capital Works Report Project Highlights – November 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 (DICI) on road crossings, in addition to new *service* connections, valving and hydrants are being installed.

Progress Update

Works are complete with water mains in Keeble Street and Adams Street replaced in November 2024 with new 150mm PVC Supermain and Ductile Iron (DICI).



Keeble Street and Adams Street installation of the new 150mm diameter PVC Super-main water main completed

Infrastructure Services Capital Works Report Project Highlights – November 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

In November, all earthworks to subgrade level, drainage structures and drains, rock protection and check dams were completed. The crew has disestablished and will return to site after the 2024-25 wet season.



Ootann Road - before



Ootann Road – after (subgrade level)



Ootann Road - before



Ootann Road – after (subgrade level)

Infrastructure Services Capital Works Report Project Highlights – November 2024



Project Name: James Street Mareeba – Pavement Rehabilitation

Program: Urban Streets

Background

A 190m section of James Street, between Costin Street and Mclver Road has been deteriorating over the last few years due to moisture ingress. Funds were made available from Roads and Bridges depreciation in the 2024/25 Capital Works Program to rehabilitate this section.

Scope of Works

The scope of works includes the removal of the failed base pavement layer and replacing it with cement modified road base, full width bitumen sealing and drainage improvements at Salihe Avenue intersection.

Progress Update

Works commenced on site 19 November and were ready to be bitumen sealed 29 November. Weather conditions turned favourable late on 5 December and the section was bitumen sealed 6 December. Works are now complete.



Removing existing failed pavement layer



Tipping imported road base on bitum covered subgrade



Blending bagged cement into base layer



Completed base pavement layer

Infrastructure Services Capital Works Summary Report - November 2024



Project Code	Project Description	Project Comment	Project Stage
Program: 01 - Rural and Urban Roads Reseal Program (Renewal)			
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
CP00835	DRFA Gully Betterment	Practical Completion reached.	Completion
Program: 02 - Gravel Resheet			
CP0001022	23/24 Gravel Resheet Program	Conmat currently manufacturing a course rock material to be used by HQ Plantations on Black Mountain Road & LA Road. Delivery will commence the second week of November. This will clear the final commitment & the project will be closed with the remaining budget rolled over to the 24/25 Resheet Program.	Construction
CP0003732	24/25 Gravel Resheet Program	Springfield Road re-sheeting has commenced & will be completed mid-December.	Construction
Program: 03 - Urban Streets			
CP0001023	Recovery Way (WTS) Rehab Ch 0.176-0.272	Asphalt & road base procurement completed. Works will be undertaken in Jan/Feb 2025 weather pending.	Procurement
CP0002042	MBA James St Mill & Fill	Works commenced on the pavement replacement on a section of James Street 19 November. Project progressing well & will be bitumen sealed 03/12/2024 weather pending.	Construction
CP00795	TIDS 23-27 Herberton/Constance Inter	Ergon prestart meeting scheduled for 29 November. The construction crew will re-establish on site 6 January to recommence construction, weather permitting.	Construction
CP00797	TIDS 22/23 24/25 Rankin/Walsh St R'bout	Draft Engagement Plans received for comment, anticipate Construction drawings by end of year 2024.	Design
Program: 04 - Rural Roads			
CP0002040	KDA Barron Falls/Masons Rd/Falls Lookout	Preliminary Survey completed, design to be scheduled new year.	Planning
CP0002041	KDA KIA09 Barron Falls Rd Thongon-Mason	Preliminary Survey completed, design to be scheduled new year.	Planning
CP0002048	KDA Kuranda Heights Rd Intersection	Survey undertaken, design to be scheduled in new year.	Planning
CP0002050	MBA Mclver Rd Rehab & Widen	Designs to be scheduled in new year.	Planning
CP0002060	KDA Oak Forest Rd Rehab & Widen	Design to be scheduled in new year.	Planning
CP0002066	DIM Leafgold Weir Rd Widen Curves	Design nearly complete, aim to complete before end of 2024.	Design
CP0002069	MBA Chewko Rd Rehab/Widen & Seal	W&W are arranging for the relocation of a section of water main within the footprint of the project. Construction work will commence early February 2025 weather permitting.	Construction
CP0003753	MBA Byrnes St Safety Upgrades	Tender awarded Gregg Constructions. Works commenced in November 2024.	Design

Infrastructure Services Capital Works Summary Report - November 2024



CP00801	TIDS Ootann Rd Section 1&2 Widen & Seal	The crew de-mobilised early November & will return after the 24/25 wet season. Tentatively programmed for April. All drainage, earthworks, rock protection & check dams installation has been completed. A recent storm showed that the drainage is functioning well with only some minor topping of a few check dams.	Construction
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Program: 05 - Bridges

CP0001558	MBA Tinaroo Creek Rd Ada Creek Causeway	Drone survey completed, design to be programmed to commence in the new year. Design to be completed June 2025.	Planning
CP0001564	KDA Oak Forest Rd, Barron River Bridge	Contract awarded to Neater Constructions. Construction to commence in 2025 post wet season.	Procurement
CP00839	Bullaburrah Ck Rd C'way Relieving Slab	Not commenced.	Not Commenced
CP00841	Bolton Rd Inspect/Design/Repl Girders	RoadTek will be undertaking these works on behalf of council. Estimated to start late March early April 2025 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	A new concrete causeway was constructed on Hodzic Rd in November & more temporary repairs will be undertaken at a failing causeway on Borzi Road in late November.	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	Ray Road Drainage Study to inform project.	Planning
CP0003695	Irvinebank Jessie St/Rubina Tce Upgrade	Investigations will be scheduled in 2025.	Not Commenced
CP0003830	Hastie Road - Stormwater	Drain installation complete. Driveway concreting works will commence week of 9 December weather permitting.	Construction
CP00844	MBA Amaroo Drainage Upgrades	Design handover documentation to be finalised and provided to Construction.	Construction
CP00938	Tilse Street Upgrade Drainage	Culverts accepted On-Maintenance as part of development.	Completed

Program: 07 - Traffic Facilities

CP0000947	Mareeba Aerodrome Safety & Repairs	Fire Fighting System last item on project to complete. Delay on Variable Speed Drives, with supplier to source.	Procurement
CP0000951	Anzac Ave LATM Upgrades	Speed Awareness signs installed Anzac Ave and are being commissioned.	Construction

Program: 08 - Parking

CP00846	MBA Heritage Centre Carpark Connection	Footpath layout concepts and project intent reported to Council. Stakeholder engagement to commence.	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
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Infrastructure Services Capital Works Summary Report - November 2024



CP0001027	23/24 Footpath Upgrade Program	Applied for grant funding to build new footpath connection between Hastie Street and Atherton Street.	Planning
CP0001665	Mt Molloy Footpath & Furniture Refurb	Designs to be programmed in new year.	Planning
CP0001666	KDA Barron Falls Rd Replace Footpath	Preliminary survey works have been undertaken, design to be scheduled in new year.	Design
CP0001742	MBA WNP Constance-Lloyd St Footpath	In procurement.	Procurement

Program: 10 - Parks and Gardens

CP0001029	Kda Com Precinct Parks Upgrade	Planning & Development ongoing 2025.	Planning
CP0001803	Julatten Geraghty Pk Refurb Playground	Upgrade proposal reported to Council. Community engagement to commence early 2025.	Planning
CP0001805	MBA Bicentennial Lakes Northern	Federal Government funding deed of agreement pending.	Not Commenced
CP0001843	KDA Hunter Park Fallon Rd Bollards	Project complete August 2024.	Close Out
CP0001871	MBA Centenary Park Upgrade Fencing	Works to run congruent with Centenary Park footpaths early 2025.	Construction
CP0003670	MBA Amaroo Park Shade	Works scheduled for 2025.	Planning
CP00809	MBA Bicentennial Lakes (Southern) D&C	Slides embankment barrier fence installation awarded. Works expected to commence 2025. Hort Street footbridge open. Warren Street footbridge construction to commence next.	Construction
CP00860	KDA Anzac Park Landscaping	Park upgrade complete. Planning for the installation of tree naming plaques being undertaken.	Completed
CP00861	KDA Coondoo Street Refurb	CBD garden beds refresh soft landscaping works to be completed by Perosa Landscaping as a variation to the footpath pavement upgrade project. i-LEC Solutions awarded the Upper Coondoo LED Streetlighting upgrade project. Works to commence 2025. Lower Coondoo LED Streetlighting upgrade application made to Ergon. Awaiting offer.	Procurement

Program: 11 - Water

CP0001038	23/24 Retic Valve/Hyd Replace Program	New valves to be installed Lera and Byrnes St.	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	Stage 2 in procurement.	Construction
CP0002672	FY24/25 - KDA WTP Turbidity Meters	New equipment electrical and Scada connections put in place, just waiting on contractor to complete the physical installation works.	Construction
CP0002674	FY24/25 - DIM WTP Turbidity Meters	No longer required.	Close Out
CP0002675	FY24/25 - Replace Chlorine Analysers	Equipment has arrived with some fittings being manufactured to allow for installation.	Construction

Infrastructure Services Capital Works Summary Report - November 2024



CP0002677	FY24/25 - Telemetry/SCADA Upgrades	RFQ was issued and received and order issued and works will commence in the new year.	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	Assessment will be made mid December during the routine servicing & maintenance schedule whether the pump will be replaced.	Planning
CP0002684	FY24/25 - Smart Meters Replacement	This project is ongoing throughout 24-25.	Construction
CP0002762	FY24/25 - MBA WTP Refurbish Clarifiers	Project works has 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	Survey is required as part of the engineering assessment and this will be done as soon as the councils survey team have available time.	Construction
CP0002921	MBA Booster Pump Station Relocation	Works to relocate booster pump to be conducted early to mid 2025.	Construction
CP0003667	FY24/25 Irvinebank Ibis Dam Valves	Waiting on pricing from suppliers in the new vales required.	Procurement
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 September or December.	Procurement
CP00733	BOR6 MWTP Filtration Upgrade	Filtration project has now been successfully commissioned and contractor finishing a few minor tasks and once they've completed the tasks the project can then be closed out.	Construction
CP00878	MBA Decommission Basalt St Elevated Tank	The water tower has been isolated and the reservoir section of the water tower needs to be cleaned out then a permanent closure / lockout of the feed line will be done.	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	Works now completed and we are waiting on contractor to provide invoicing for payment then the project can be closed out.	Completed
CP0001043	Atherton St Pump Station Refurb	Project subject to grant funding.	On Hold
CP0001047	23/24 WW CCTV & Relining Program	Inspections complete. Awaiting contractor reports.	Construction
CP0001050	Kennedy Hwy PS Control Board Upgrade	New electrical switchboard installed and commissioned and 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	Awaiting Asset inspection reports.	Construction

Infrastructure Services Capital Works Summary Report - November 2024



CP0002475	FY24/25 - WW Pump Station Ancillary	Landslip remediation works completed at Gully Sewer Pump station, RFQ has closed for works at other pump stations and will be assessed in the coming weeks. The scope of works will have to be reduced due to the urgency of the works that were done at Gully Pump Station.	Construction
CP0002476	FY24/25 - WW Reticulation Pumps Renewal	Waiting on pricing for a replacement pump, once quote received an order will be placed.	Procurement
CP0002477	FY24/25 - Telemetry/SCADA Upgrades	A RFQ was issued for upgrade works which has been actioned on and work will commence in the new year.	Construction
CP0002479	FY24/25 - Pump Station Generators x 2	Generators installed and electrically and telemetry connections completed. Once Councils fabricator is back at work the enclosures will be fabricated and installed.	Construction
CP0002480	FY24/25 - Manhole Rehab & Replace	Works to commence early December 2024.	Construction
CP0002481	FY24/25 - MBA Constance St Rising Main	Project out to tender, once tender is received council officers can finalise grant funding application.	Design
CP0002482	FY24/25 - KDA WWTP Renew Control Panels	Electrical works are now completed.	Close Out
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 from 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 first week in December.	Construction
Program: 13 - Waste			
CP0002216	KDA WTS New Ablution Block	Contractor awaiting certified design. Construction to commence early 2025.	Construction
CP0002220	MBA TS Leachate Pump Annual Program	Pumps deemed okay at this stage and won't be replaced, another assessment will be done in May 2025.	Planning
CP0002221	MBA TS Leachate PS Pump	A RFQ has been issued for a new pump.	Procurement
Program: 15 - Fleet			
CP0001071	Fleet Replace #1231 Toyota WW	Procurement in progress.	Procurement
CP0003738	Replace Asset 741 Street Sweeper	Evaluation complete, waiting approval.	Procurement
CP0003739	Replace Asset 620 Job Truck	Truck on order, no delivery date as yet.	Procurement
CP0003740	Replace Asset 1255 Toyota Hilux	Truck on order, no delivery date as yet.	Procurement
CP0003741	Replace Asset 1274 Toyota Hilux	Truck on order, no delivery date as yet.	Procurement
CP0003742	Replace Asset 4052 Kubota Mower	Project Complete. Mower in service.	Close Out
CP0003743	Replace Asset 5005 MF Tractor/Loader	Tractor to be delivered 28/11/2024.	Procurement

Infrastructure Services Capital Works Summary Report - November 2024



CP0003752	Replace Asset 3010 Toyota Landcruiser	Project Completed. New vehicle is service.	Close Out
CP0003773	Replace Asset 1307 Mit. Pajero INSURANCE	Project Completed. New vehicle is service.	Close Out
CP0003776	Replace Unit 5422 Tool Trailer INSURANCE	Pending insurance.	Not Commenced
CP0003777	Replace Asset 1412 Mazda BT50 INSURANCE	Project Completed. New vehicle is service.	Close Out

Program: 16 - Depots and Council Offices

CP0001064	Mba Depot Admin Building Refurb	Minor works to provide compliant footpath to front of building programmed.	Construction
CP0001597	CHI Depot Office Renewal	Works completed.	Completed
CP0003737	MBA Kowa St External Staff Training Room	In procurement.	Procurement
CP0003765	MBA Kowa St Depot Fuel Bowser	Works to commence February / March 2025.	Construction
CP00759	Kowa St MSC Depot Emergency Generator	Sequal consultant prepared preliminary electrical layout. Awaiting report.	Design

Program: 17 - Community Buildings

CP0001059	Mba/Dim Aquatic Condition Assessment	RFQ development has begun, intent to release to market end of January 2025.	Planning
CP0001632	24/25 Amenities Refurbishment Program	Works postponed until early 2025.	Planning
CP0001637	KDA Library Paint & Roof Improvements	Awning contract awarded.	Construction
CP0001639	Annual Minor Building Refurbishment	Projects proposed: Pioneer Cemetery Rotunda and Mba Sports Hall Access Ramp.	Planning
CP0001646	KDA Recreation Centre Improvements	Works to commence January 2025.	Construction
CP0001664	Annual Facilities LED Lighting	Recommendations - 1. Kuranda Recreation Centre Tennis Courts 2. Mantaka Tennis Courts 3. Bartley Park 4. Mt Molloy Vains Park Tennis Courts	Not Commenced
CP0002909	DIM Memorial Hall Park Lighting Upgrade	Works to commence early January due to lead times on lights.	Construction
CP0003718	MBA Davies Park Field 2 Lighting Upgrade	Works on hold. Awaiting suitable funding.	Design
CP0003729	MBA Aquatic Centre Pool Expansion Joints	MCSF - sourcing contractor to repair.	Planning
CP0003756	MBA Davies Park Field 1 Lighting Upgrade	Contract awarded to I-Lec Solutions.	Procurement
CP0003792	MBA Animal Management Facility Flooring	Contract awarded. Works to commence early December.	Construction
CP00749	Aquatic Facility Upgrades & Splash Park	Works complete.	Completed

Infrastructure Services Capital Works Summary Report - November 2024



CP00793	MBA Women's Restroom Refurb	To be completed in conjunction with the Mareeba CBD Blueprint Project	Planning
CP00819	22/23 Shire Toilet Facility Repl Program	Arnold Park Toilet Repairs/Refurbishment complete.	Completed
CP00909	KDA Aquatic Cnt 25m Pool Aquaris Upgrade	Works to be undertaken last quarter 2024/2025 fin year.	Procurement
CP00941	23/24 Park/Sporting LED Lights Arnold Pk	Programmed for 2025.	Design
CP00942	22/23 DIM Town Hall A/C/Solar/Lighting	Works completed.	Completed

Program: 18 - Non-Infrastructure Items

CP0001085	Mba Cemetery Expansion Planning	To be Scheduled in new year.	Planning
CP0003684	MBA New Cemetery Lawn Plaque on Beam	Concrete beam installation completed 04/11/2025. Irrigation extensions will be completed later this month.	Construction
CP0003716	MBA Smartnet GPS Base Replacement	Works complete.	Procurement
CP0003717	KDA Heights Cemetery Lawn Plaque on Beam	Project completed November 2024.	Construction
CP00446	Kuranda New Cemetery	Gabion wall construction near completion. Delays due to wet weather and rock supply. Completion date set for mid December.	Construction
CP00932	MBA MIP Expansion	Design, Survey and Soil Testing of alignments have begun. MIP Detailed Design to be completed May 2025, ready for Tender.	Design

9.4 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - NOVEMBER 2024

Date Prepared: 18 November 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 November 2024.

RECOMMENDATION

That Council receives the Infrastructure Services, Water and Waste Operations Report for November 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:

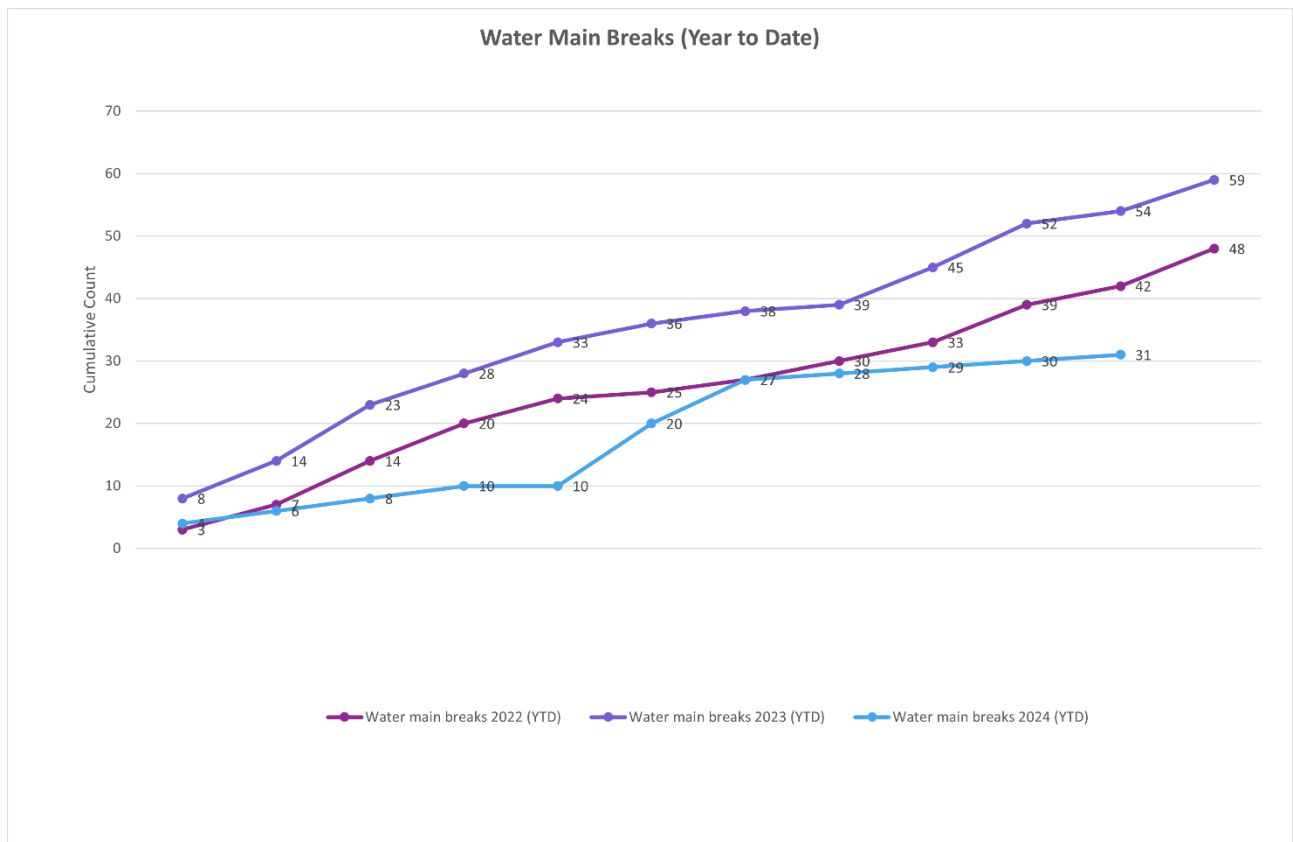
Three (3) critical infrastructure projects at the Mareeba Water Treatment Plant (MWTP) have now been completed as part of Council’s 10 year Water Strategy.

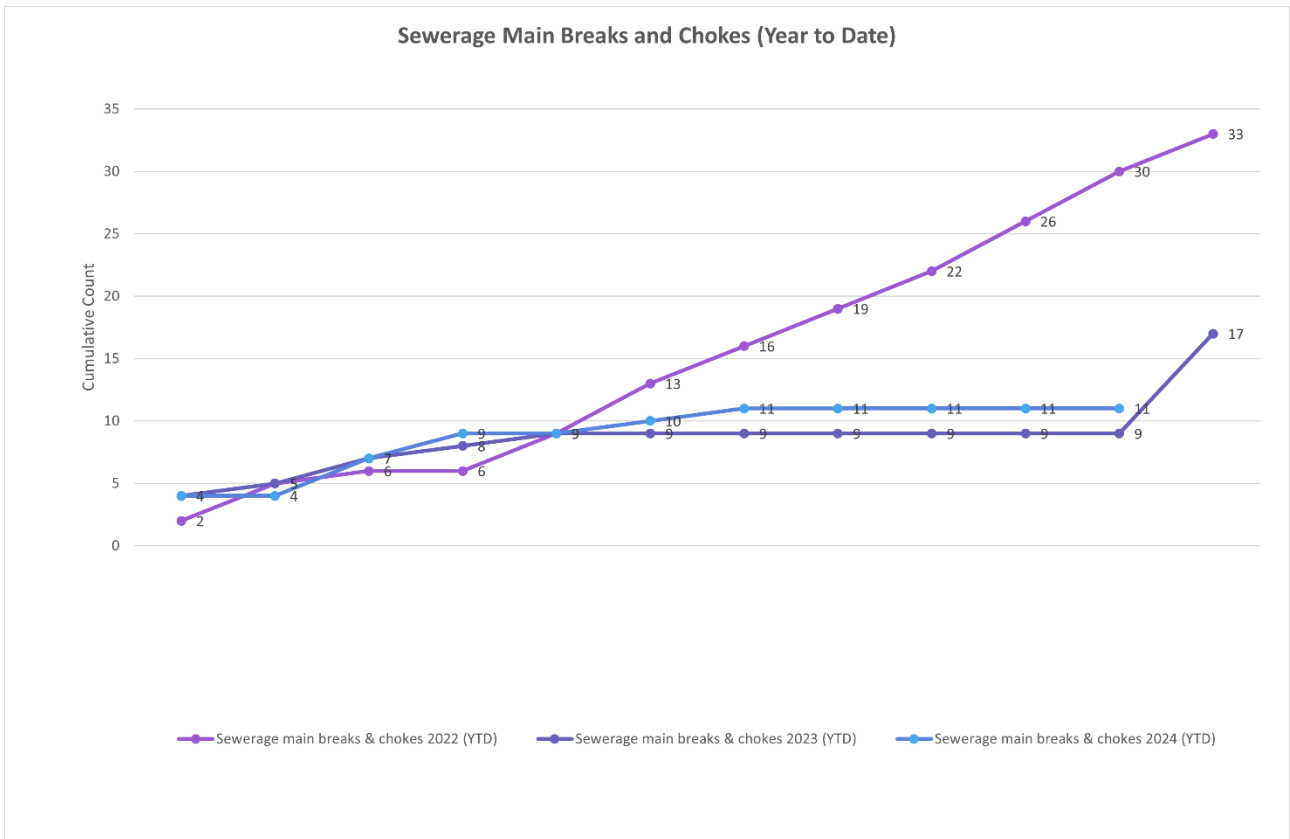
Water and Wastewater Reticulation:

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:

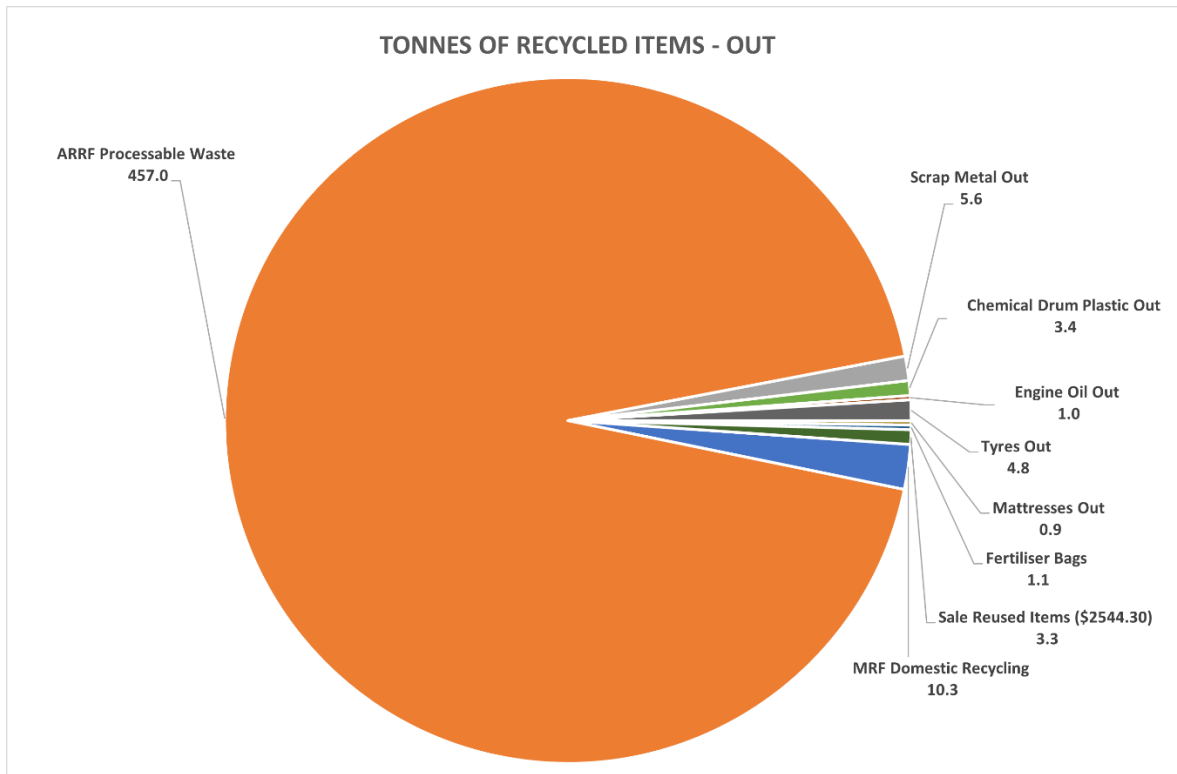




Waste Operations:

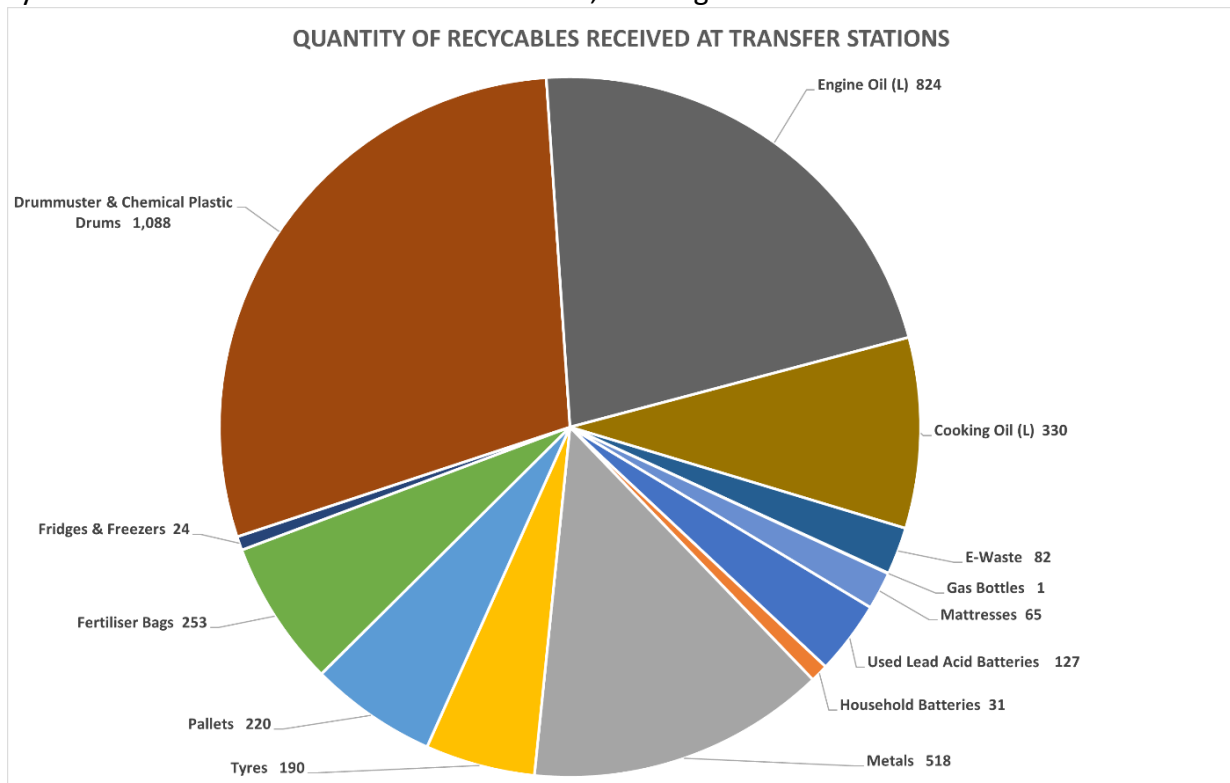
Waste material collected in Kerbside trucks is transported to the Advanced Resource Recovery Facility (ARRF) in Cairns for processing. Residual waste and waste collected at Transfer Stations is transported to Springmount Waste Facility, and recyclable material is transported to the Material Recovery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

During November, 457 tonnes of waste was processed through the ARRF, 167 tonnes of waste was sent to Springmount Waste Facility and 10.3 tonnes of domestic items were recycled at the MRF.



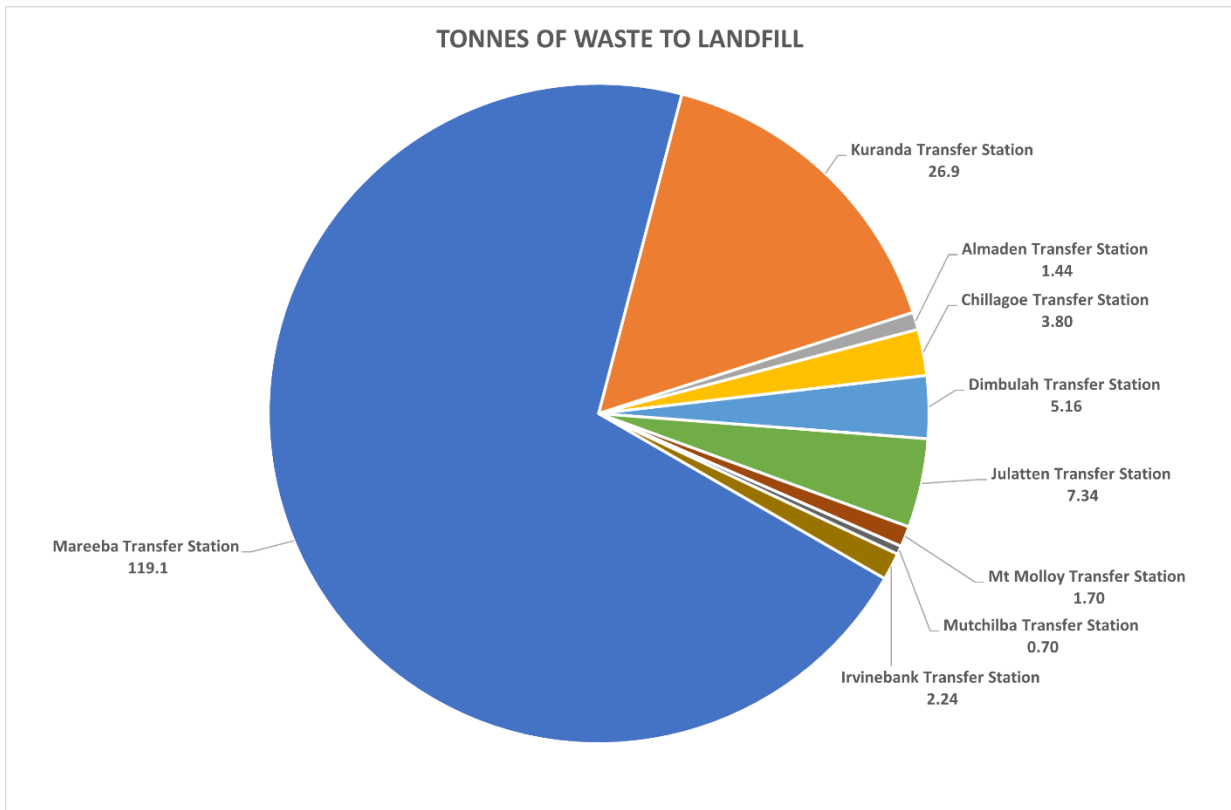
Recycling

Residents continue to recycle at the Transfer Stations. During November the highest count of recyclable received were 1088 Chemical drums, 824 Engine oil and 518 Metal items.



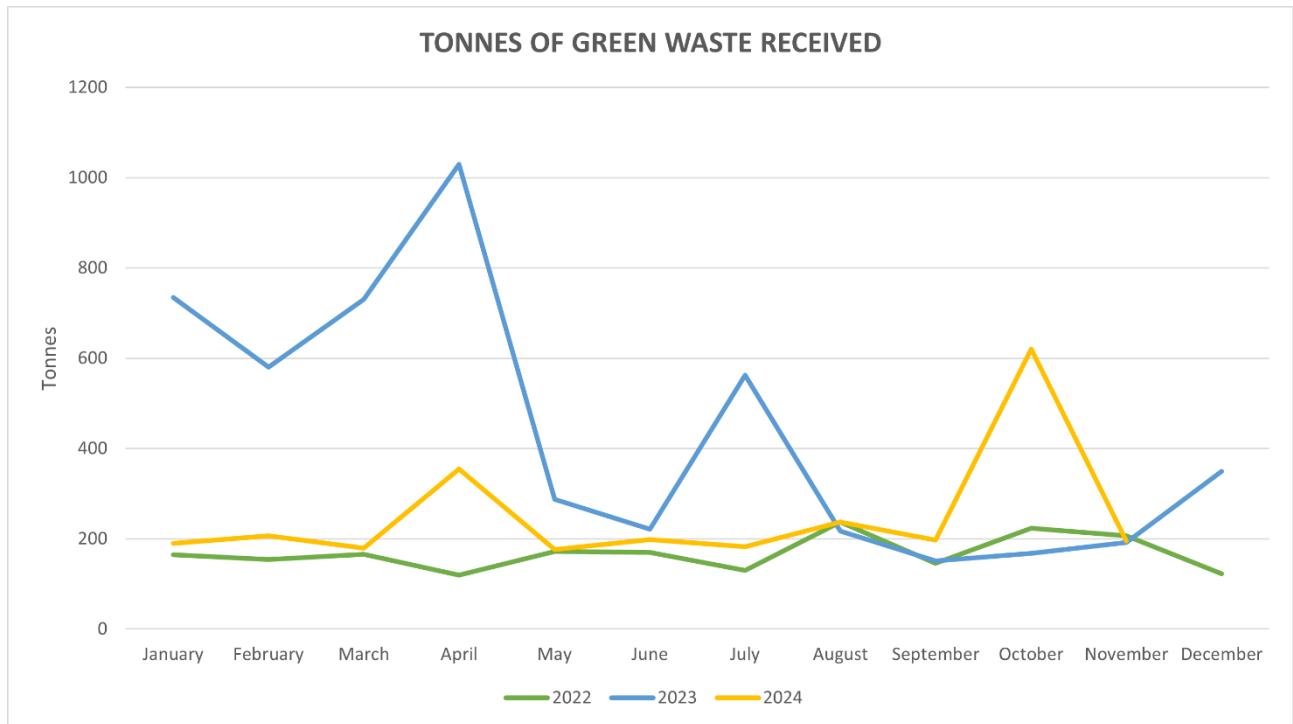
Transfer Station Waste

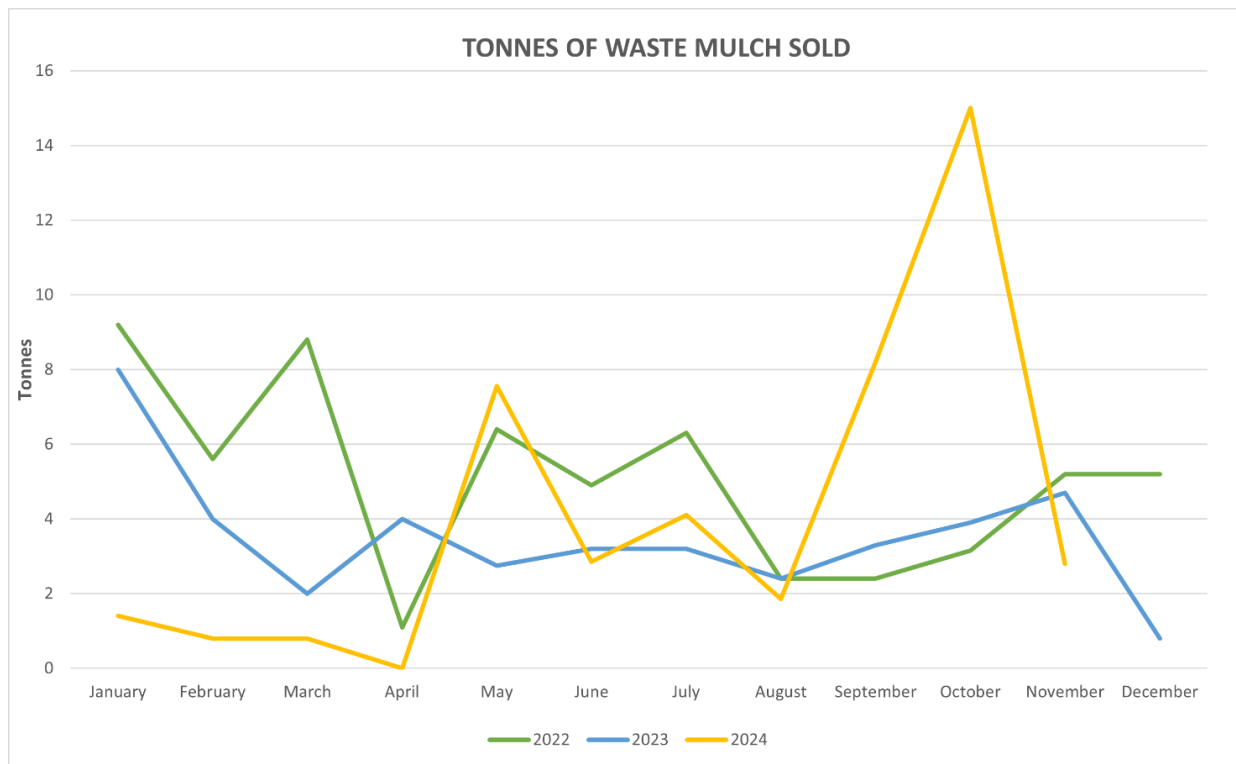
Transfer Station dry waste is transported off site to the Springmount Waste Facility. During November a total of 167 tonnes of waste was sent to landfill. Mareeba Transfer Station contributed to 119.1 tonnes to landfill, and Kuranda 26.9 tonnes.



Green Waste:

During November, Council received a total of 195.12 tonnes of green waste. Kuranda recorded 3.6 tonnes of green waste from locations registered as being potentially contaminated with Electric Ants. 2 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

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 - NOVEMBER 2024

Date Prepared: 4 December 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 November 2024.

RECOMMENDATION

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

BACKGROUND

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

Transport Infrastructure

General Maintenance

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

Activity	Location
Unsealed Road Grading	Henry Hannam Drive, Lockwood Road, Emerald Falls Road, Tinaroo Creek Road, Cobra Road
Bitumen Patching (Area)	Julatten, Koah, Kuranda, Speewah, Bilwon
Unsealed Road Maintenance	Henry Hannam Drive, Boyles Road
Drainage Maintenance	Ray Road, Wolfram Road, Leadingham Creek Road, Gilmore Road, Bilwon Road, Argyle Street, Euluma Creek Road, Black Mountain Road, Orchid Close, Metzger Road, Scenic Drive, Glynn Street, Two Chain Road, Veness Road
Tree Clearing (Area)	Kuranda, Julatten, Koah
Unsealed Shoulder Maintenance	Cobra Road, Malone Road, Narcotic Creek Road
Slashing (Area)	Koah, Speewah, Julatten, Mareeba
Road Furniture Installation/Repair (Area)	Biboohra, Julatten, Chewko, Mutchilba, Dimbulah, Kuranda, Bilwon, Mareeba

Customer Requests

During November, the Works Group received 90 Customer Requests (CRs) with 123 resolved (resolved requests include those received prior to November 2024). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
November	63	21	6

At the time of reporting, the Works Group had 44 open requests.

TMR Routine Maintenance Performance Contract (RMPC)

32A - Kennedy Highway (Cairns - Mareeba)

- Rest Area Servicing

34A - Mulligan Highway (Mareeba - Mt Molloy)

- Provide traffic control and signage for bush fires.
- Abandoned vehicle removal.

34B - Mulligan Highway (Mt Molloy - Lakeland)

- Signage installation
- Roadside litter collection - Riffle Creek and Mt Carbine Truck Stop
- Roadside litter collection - full length of road
- Rest Area Servicing at Riffle Creek
- Supply and install width markers at Riffle Ck Bridge
- Provide traffic control and signage for bush fires.
- Illegal dumping clean-up
- Traffic control and site clean-up at fatal traffic accident

653 - Mossman-Mt Molloy Road

- Callout to remove fallen tree over road.
- Re-shape and level out drain backing onto Button Close and Euluma Creek Road intersection.
- Rest Area Servicing at Hunter Creek.
- Roadside litter collection - Hunter Creek, Environ Park and Lyons Park.
- Pothole patching.
- Repair/replace REGPs full length of road.

664 - Mareeba-Dimbulah Road

- Supply and install flood marker plate for Granite Creek Bridge.
- Crack sealing near Lemonside Road.

6632 – Herberton-Petford Road

- Cut and poison suckers/regrowth.
- Yearly pipe inspections and record co-ordinates and lengths.
- Medium formation grading Watsonville to Irvinebank.

89B - Burke Developmental Road (BDR)

- Eureka Creek Rest Area servicing and ground maintenance.

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	Herbicide treatment of Field one (1) and two (2) at Davies Park
Playgrounds	Repair stepping bridge at Amaroo Playground
Slashing	Shaban Park, Ray Road, Barron Esplanade
Burials	Mareeba <ul style="list-style-type: none"> • Three (3) in-ground interments • Three (3) Mausoleum Wall interments • Two (2) Ashes in grave interments Pioneer Cemetery Dimbulah <ul style="list-style-type: none"> • Two (2) Columbarium Wall interments
LOA	LOA prisoners at the Mareeba Cemetery.
Tree maintenance	Tree removals in Mareeba.
Fire management	Bushfire response to Pioneer Cemetery/TMR Bypass land and Springmount Road.
Events	Remembrance Day

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.

External Funded DTMR pest weed work: Basal Bark treatment using diesel and access of Rubber vine, Calatropé and Chinese Apple on the Burke Developmental Road from Chillagoe to Ferguson’s Crossing.

Bellyache Bush Leaf Miner: MSC assisted QLD DAF in the release of a Leaf Miner moth that is hoped to assist in the management of Bellyache Bush, MSC staff identified a suitable release site on the Walsh River at Rookwood Station and also assisted DAF and Cook Shire in the release on the Palmer River Crossing at Strathleven and King Junction Stations.

Wild dogs: 1080 baiting has been carried out on 10 Cattle grazing properties totalling 1,456,000Ha of land.

Wild Pigs: Pig traps on loan to landholders in Paddy’s Green, Chewko, Mutchilba and Julatten.



Bellyache Bush Leaf Miner

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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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

9.6 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - NOVEMBER 2024

Date Prepared: 18 November 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 November 2024.

RECOMMENDATION

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

BACKGROUND

Technical Services

Design, quality, and investigations:

Investigation activities undertaken in November included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	88	15
Drainage Investigations	33	3
NHVR Permit Applications	0	9
Traffic Count Surveys	0	13
Parks Investigations	6	2
Aerodromes	1	0
Miscellaneous e.g. Planning; Local Laws	29	33
Before You Dig Requests	0	86

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. The laboratory delivered 168 tests in November, 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 13b	Under construction
Mareeba	Amaroo Stage 12 – Drainage Infrastructure	On-maintenance
Mareeba	Prestige Gardens Stage 5-6	On-Maintenance
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	2-6 Black Mountain 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. Western Roads Contract is ongoing, with works to be completed in the new year. Minor works in the Mt Mulligan, Hurricane Road area to be complete in the new year.
2023 Cyclone Jasper	Declared event December 2023 - 'Tropical Cyclone Jasper', associated rainfall and flooding, 13 – 28 December 2023' with damage assessments continuing. Works to replace Bushy Creek Bridge, Mt Lewis Road, Julatten continue. Completion prior to end of 2024 remains on track.

Program	Status
	<p>Jarawee Road, Kuranda, Landslip: works are progressing with piling and pile caps expected to be completed prior to end of year. Construction will continue into 2025 (weather dependant).</p> <p>Emerald End Road: Culverts are being installed, and construction will continue into 2025 (weather dependant).</p> <p>Works to clear flood debris from the waterways has reached practical completion, reporting through QRA continues.</p>

Facilities

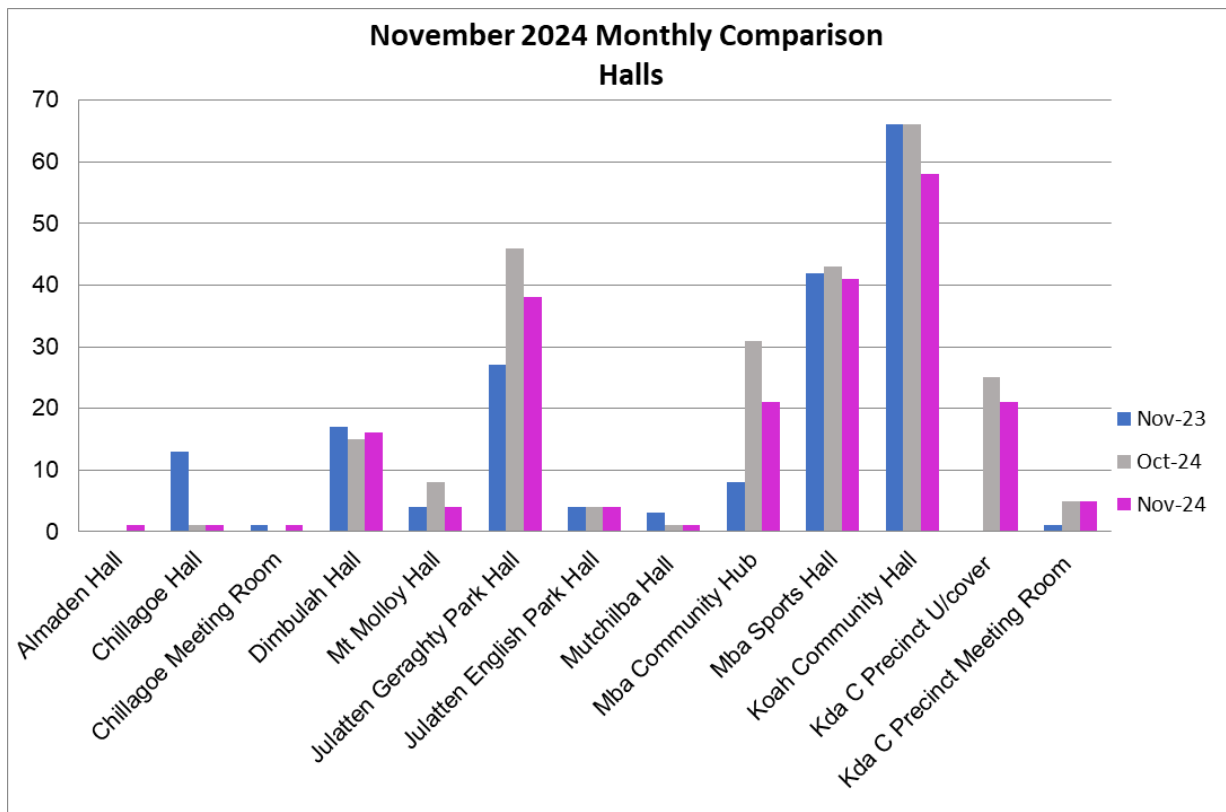
Facilities	Activity
Davies Park – Netball Toilets	Replace the damaged windows and installed crimesafe security screen over the newly fitted windows.
Geraghty Park Roof	The laserlite sheets have been removed/replaced, and the roof has been gurneyed.
Mareeba Heritage Centre Outhouse toilets, Cemetery and Davies Park toilets	The gutters have been thoroughly cleaned.
Chillagoe Aerodrome toilets	Replace broken doors



Davies Park – Netball Toilets

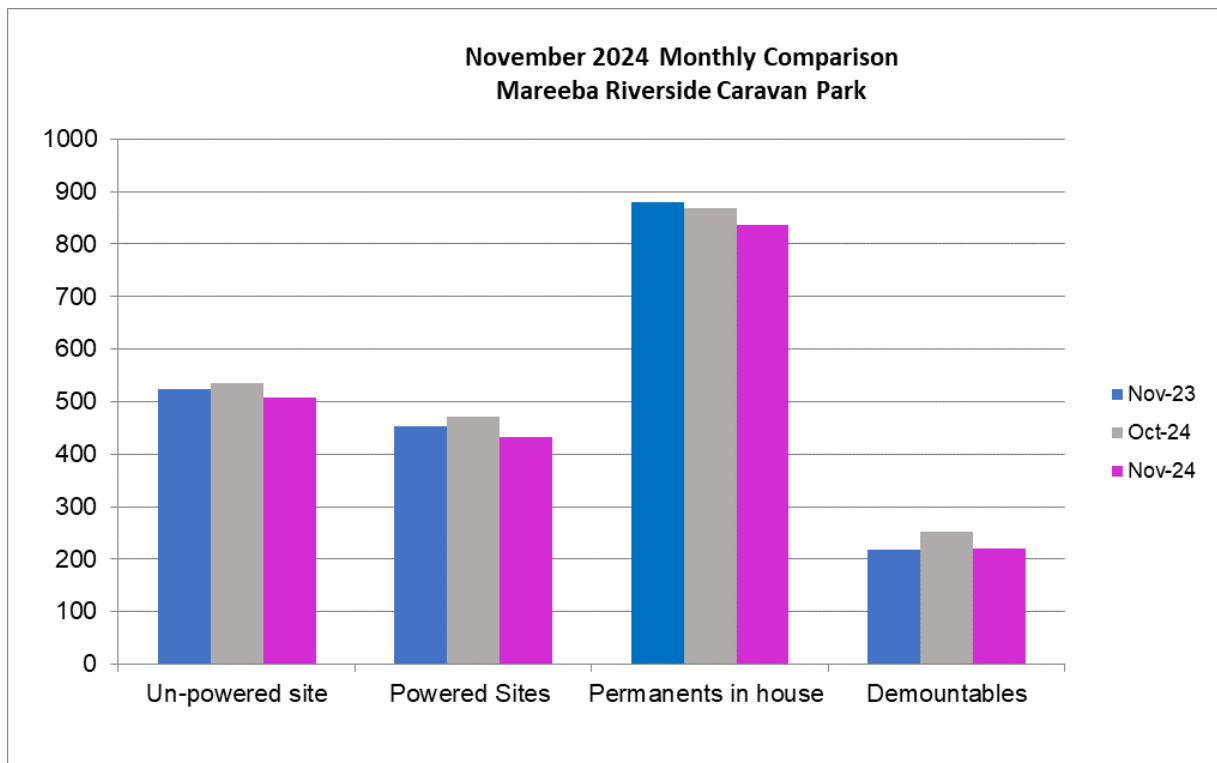
Community Halls:

Maintaining safe and efficient access to Council’s Community Halls is recognised as an important aspect for the community’s ongoing wellbeing.

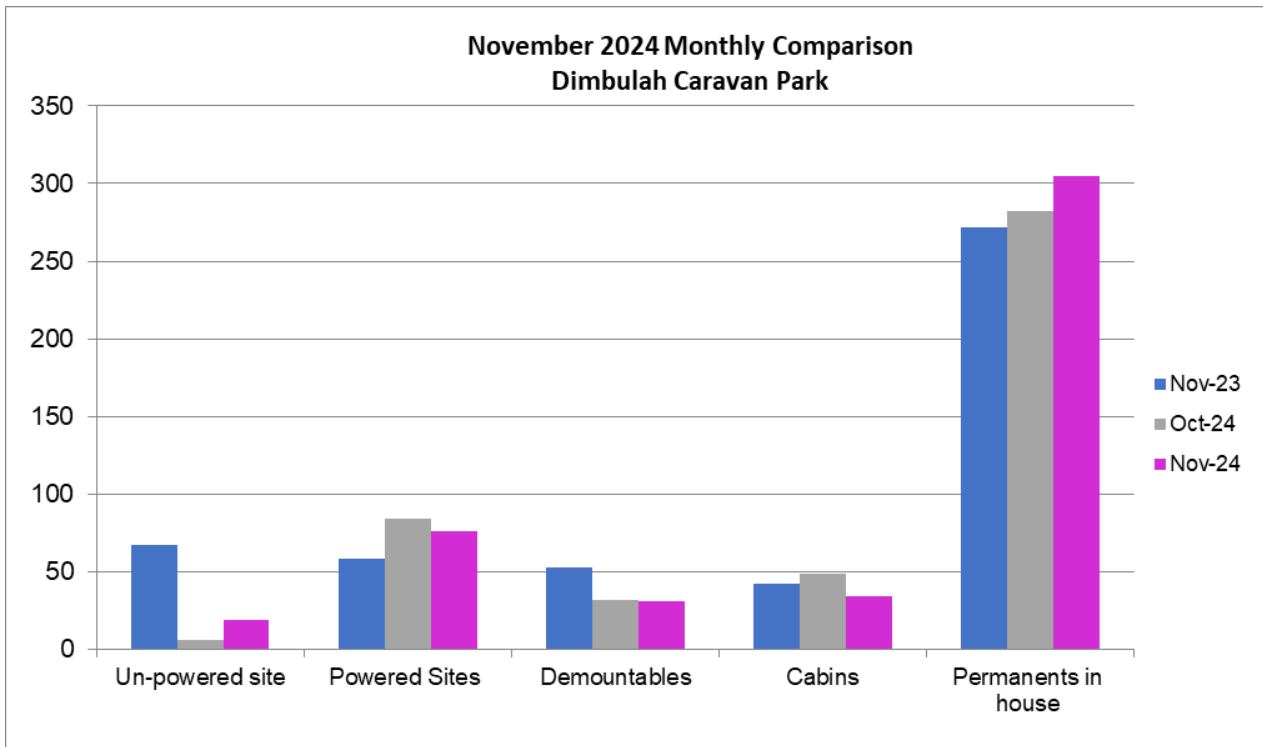


Caravan Parks:

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

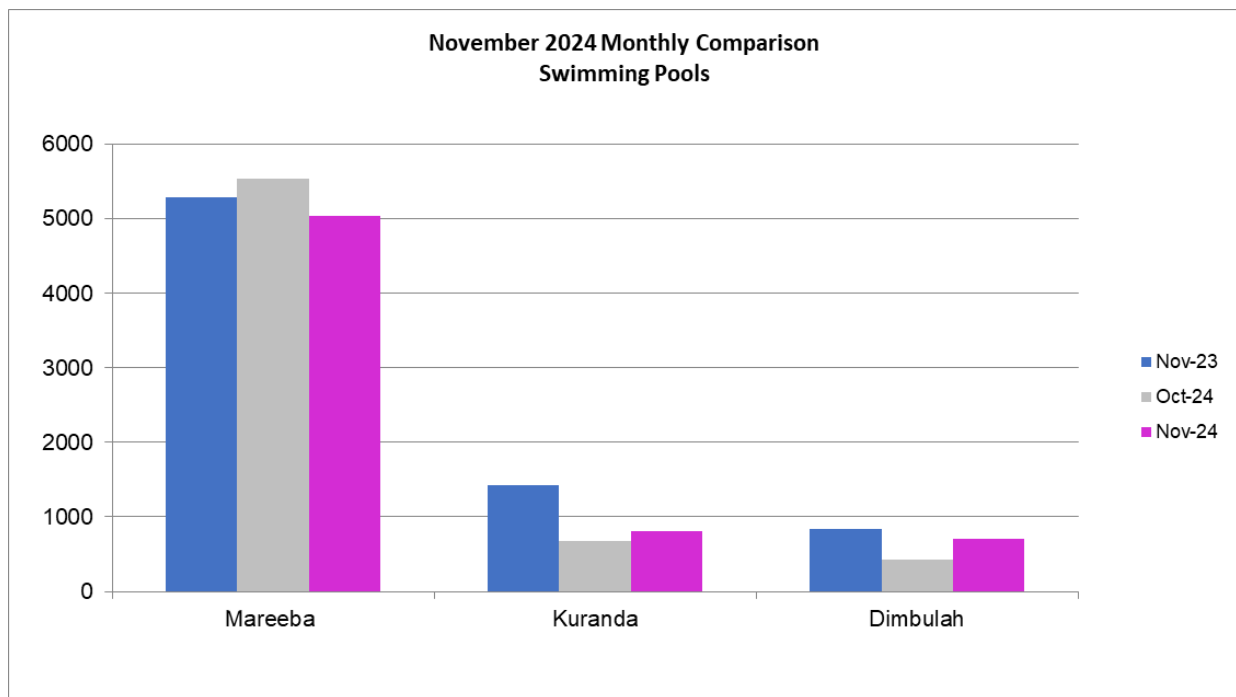


Dimbulah Caravan Park user numbers (total) have generally remained stable against previous months/year’s numbers.



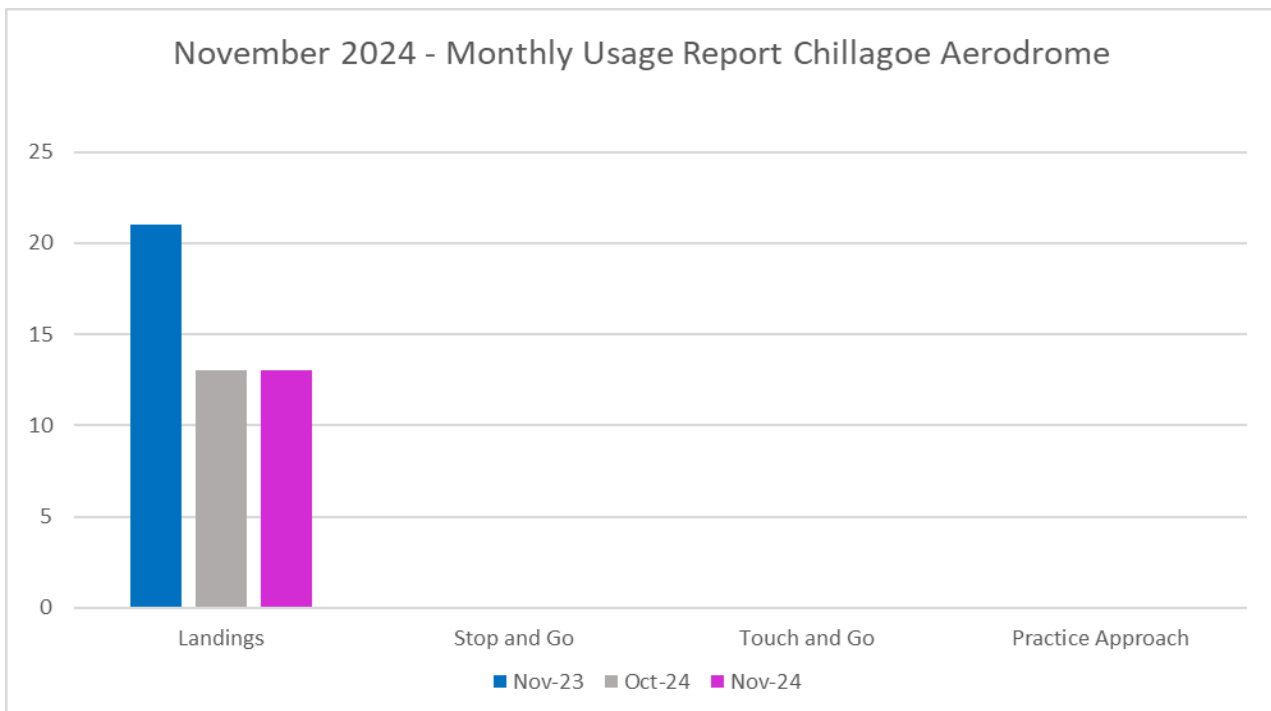
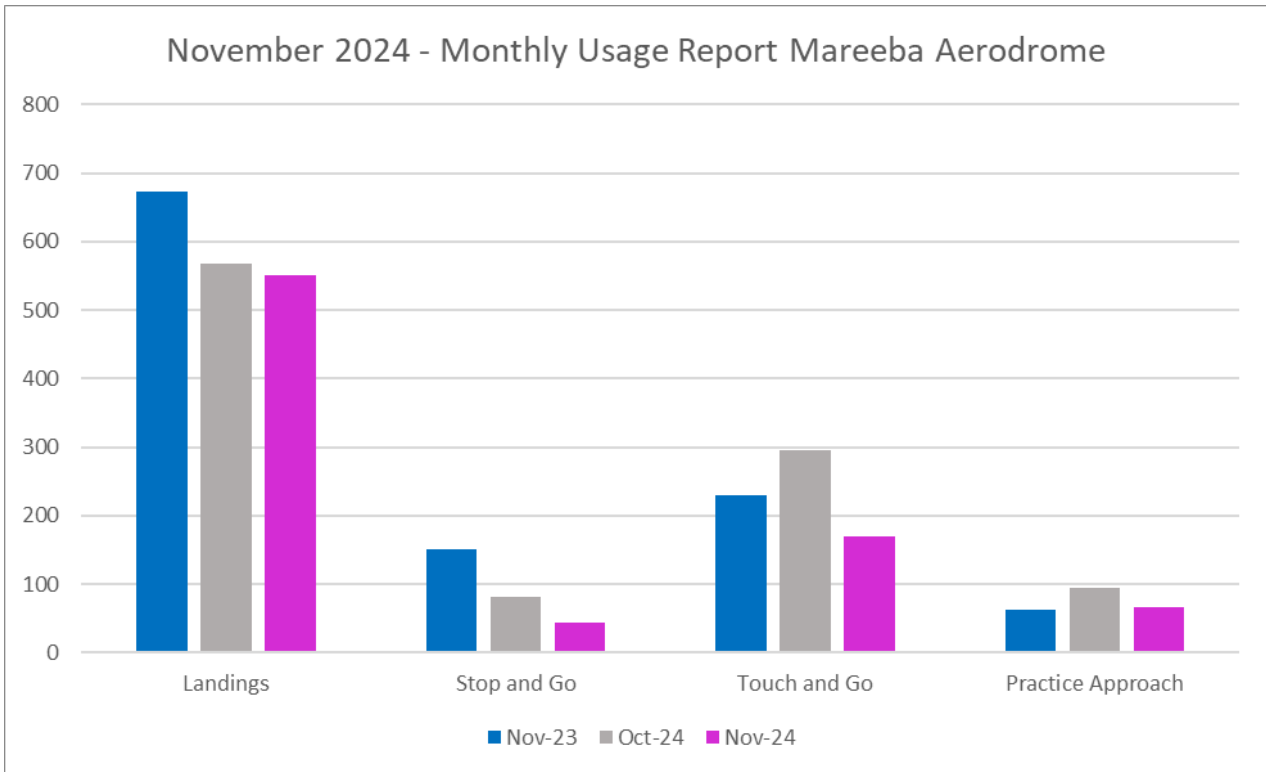
Aquatic Centres

Attendance at the Facilities has remained generally stable, with increases over the near term expected to align with increased temperatures and school leave periods.



Aerodromes:

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



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IMPLEMENTATION/COMMUNICATION

Nil