

9.5 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - MAY 2023

Date Prepared: 18 May 2023

Author: Manager Assets and Projects

Attachments:

1. **Capital Works Highlights - May 2023** [↓](#)
2. **Capital Works Summary - May 2023** [↓](#)

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 May 2023.

RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of May 2023.

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 2022/23 Capital Works Program.

LINK TO CORPORATE PLAN

Transport and Council Infrastructure: The provision of quality services and infrastructure for our growing community that is planned and managed using sound asset management principles.

IMPLEMENTATION/COMMUNICATION

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Project Name: Mareeba Splash Park and Pool Heating

Program: Parks and Open Spaces

Background

Council received \$1.5M funding from the Queensland Government to construct a Splash Park in Mareeba. Council identified that the optimised location for the Splash Park is within the Mareeba Sports and Aquatic Centre. This location allows for the lowest ongoing operational expense to the community and gives visitors a more interactive experience by leveraging the existing Children’s Pool and 50m Pool as part of the Splash Park experience. \$1.5M is funded by the Department of State Development, Infrastructure, Local Government and Planning to provide the Splash Park and upgrades to existing infrastructure at the Mareeba Aquatic Centre. A further \$150,000 of the \$195,075 project cost to install a heating system, is funded by the Active Gameday Projects Fund from the Department of Tourism, Innovation and Sport’s (Sport and Recreation). The remaining funds will be contributed by Mareeba Shire Council.

Scope of Work

The facility will be a new zero-depth, zero-height splash play area that will include various unique water spray areas with interactive play elements and shade structures. As part of the upgrade, a heating system will also be installed for the pool and the front entry gardens and pathways will be refreshed.



Mareeba Aquatic Centre Splash Park Render

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Progress Update

The Splash Park and heating installation are nearing completion and are currently being commissioned. Expected completion in June 2023. Project funded by the Queensland Government.



Splash Park



Splash Park Filtration Shed

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Project Name: Anzac Park Mareeba

Program: Parks and Open Spaces

Background

Mareeba Shire has multiple war memorial sites, displays and historical places of interest which honour those in our community who served Australia and Council recognised the need to revitalise Anzac Park as the focal point for veterans, serving members of the Australian Defence Force and community. Businesses in Mareeba's CBD have been asking for changes to improve safety and reduce anti-social behaviour in the main street, and the revitalisation of Anzac Park should contribute to these aims.

Scope of Work

The parkland will incorporate up-lighting to highlight some of the features including the cannons and the trees, removal of the fountain, footpath renewal and planting of additional trees. The project will also see the addition of a named archway at the rear of the park.

Progress Update

Construction fencing has been installed, redundant infrastructure has been demolished and removed. Coloured tree lighting has been tested and electrical and irrigation trenches are complete ready for concreting work to commence.



Anzac Park Mareeba Night Time Artist Impression, Front View Render



Anzac Park Mareeba Day Time Artist Impression, Back View Render

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Anzac Park Mareeba Tree Coloured Lighting Test



Anzac Park Mareeba Construction Works

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Project Name: Riverside Caravan Park, Mareeba. Amenities Block Upgrade

Program: Facilities

Background

The Riverside Amenities Block has reached the end of its useful life and functionality and safety issues were identified. A condition assessment determined that refurbishment was unviable, and a full replacement is required.

Scope of Work

This project will deliver a new concrete block amenities block suitable for a caravan park with epoxy coated concrete floors. The design layout will be equivalent to the existing ablution block and is to include seven (7) single shower cubicles, one (1) disable bathroom and a laundry room. The project includes the provision of a temporary amenities block for the duration of the works.

Progress Update

Works for the delivery of the new Amenities block are now complete and the park are currently utilising the new facility which includes eight (8) showers and one (1) laundry room.



Riverside Caravan Park Amenities block western elevation

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Riverside Caravan Park Amenities block eastern elevation



Disabled shower internal

Infrastructure Services Capital Works Report Project Highlights – May 2023



Project Name: Euluma Creek Road – Widen and Seal CH 9.35-10.13

Program: Rural Roads

Background

Euluma Creek Road is classed as a Local Road of Regional Significance (LRRS) under the Roads and Transport Alliance and is eligible for a maximum of 50% funding from the Transport and Infrastructure Development Scheme (TIDS).

Several projects are currently listed in the FNQROC TIDS Program for the widening of sections of Euluma Creek Road between Black Mountain Road and McLeans Bridge Road to cater for increasing heavy traffic and to address ongoing defects, edge wear and edge drop.

Scope of Works

The existing 5m wide bitumen section is to be realigned and widened to a sealed width of 8m with drainage infrastructure extended accordingly.

Progress Update

During May culvert extensions were completed and the pavement widening commenced. Wet weather continues to hamper progress and at the time of reporting alternate sealing dates were being discussed with the bitumen sealing contractor. The original sealing date was relinquished due to saturated pavements and with the end of the financial year fast approaching it will be difficult to lock in a second date prior to the end of June.



Pavement profiling and filling



RCP extension



Driveway crossover



Wet weather is hampering progress

Infrastructure Services Capital Works Report Project Highlights – May 2023



Project Name: Wolfram Road, Dimbulah - Road Widening Ch 8550 - Ch 10000

Program: Rural Roads

Background

Various sections of Wolfram Road, Dimbulah are single lane bitumen seal and are very prone to edge wear and edge drop. Commercial traffic using Wolfram Road has increased from 5.6% in 2008 to 15.4% in 2020. A wider sealed road will improve road safety, provide transport efficiencies and cater for increased traffic volumes.

Scope of Works

The scope of works includes the widening of Wolfram Road from Ch 8550 to Ch 10000 to a sealed width of 7.5m, the extension of existing culverts to cater for the wider road, the replacement of several existing headwalls, the installation of subsoil drains and the cleaning and re-shaping of existing table and cut-off drains.

Progress Update

Practical completion of this project was reached 31 May with the application of the 10mm aggregate second coat seal. The line marking component will be installed mid-June.



Unsuitable subgrade replacement



Rock wick drain installation



Pavement widening



Second coat bitumen sealing

**Infrastructure Services Capital Works Report
Project Highlights – May 2023**



Project Name: Bicentennial Lakes Gravity Sewer Main Upgrade

Program: Wastewater

Background

All works associated with the construction of a sewer gravity main upgrade, inclusive of a water main relocation to enable the works, to service Mareeba. The gravity sewer main installation is located within Bicentennial Lakes, Mareeba. The alignment connects at Rankin St and discharges upstream of the pump station at Byrnes St. Works for the gravity sewers will generally be limited to the road reserve between the edge of road and property boundary. The water main relocation is located at Keeble St and Jacobsen St, Mareeba. Works for the water main relocation will generally be limited to the road reserve between the edge of road and property boundary.

Scope of Works

Installation of new 450mm gravity trunk sewer main, sewer manholes and connections and relocation and upgrading of water mains located at Keeble Street and Jacobsen Street and connections and valving.

Progress Update

Works commenced mid-May and are progressing well with the contractor achieving 30 to 40 metres of pipe installation per day along Strattmann Street.



Strattmann Street installation of the new 450mm diameter gravity sewer main

Infrastructure Services Capital Works Report Project Highlights – May 2023



Project Name: Smart Water Metering Replacement Program

Program: Water

Background

Council introduced a Taggle Automated Meter Reading (AMR) System for water meters in 2015. The AMR devices have a useful life of around 7 years and therefore require replacement. New technologies have since been released and Council is working to replace its water meter network across the region with new, fully integrated smart meters. This will allow Council to have improved data quality for billing and water monitoring purposes. Works will take place in a staged rollout, in all water benefited areas.

Scope of Works

Replacement of older water meter devices to new fully integrated smart meters to allow more reliable data and monitoring in Mareeba, Chillagoe, Dimbulah, Mt Molloy and Kuranda.

Progress Update

Works have been progressing over the last 12 months, with works scheduled to continue until completion. A bulk order has recently been placed and installs have commenced as part of the latest rollout.



A new fully integrated smart meter that was recently installed in Kuranda.

Infrastructure Services Capital Works Summary Report - May 2023



Project Description	Project Stage	Comments
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
22/23 Reseal & Asphalt Program	Construction	Reseal component completed. Latest advice from RPQ is line marking will commence in June. Quotations have closed for an asphalt mill/fill project on Ceola Drive & the work will be delivered late June/July. A line marking program is being prepared for quotation purposes & will be called once RPQ have completed their portion of the reseal line marking. The proposed asphalt mill/fill project for Rankin Street has been placed on hold for the time being due to potential underground storm water construction from the proposed new shopping centre site to Basalt Gully.
BETTERMENT Co-Contribution	Procurement	Tenders called, submissions significantly exceeded budget, scope required for review.
Program: 02 Gravel Resheet		
22/23 Gravel Resheet Program	Construction	Resheeting of Wetherby Road will recommence once annual cane road maintenance grading is complete & northern grading crew is reestablished in the Julatten area.
Program: 03 Urban Streets		
TIDS Rankin/Walsh St Roundabout	Design	Consultancy continues, anticipate calling quotations for detailed design June 2023. Water main replacement to commence in late June.
Program: 04 Rural Roads		
TIDS Euluma Ck Rd Ch 9.350-10.130 Rehab	Construction	Pavement works currently being undertaken. Sealing was due to be completed 13/06/2023, however, wet weather will delay this.
TIDS Ootann Rd Section 1&2 Widen & Seal	Design	Stage 2 design being finalised.
TIDS Springmount Rd Widen & Seal	Construction	Works will recommence late June early July. EOT from HVSP until 30/11/2023 approved. Full TIDS component has been approved & claimed.
R2R Bilwon Rd Rehab & Culverts	Construction	Site establishment 05/06/2023. EOT from R2R to the end of August 2023 has been approved.
R2R Wolfram Rd Stage 3 Priority Sections	Construction	Project sealed 31/05/2023. Line marking installation late June, resources dependent.
Program: 05 Bridges		
Granite Ck Mba Replace Footbridge Deck	Procurement	Carryover 23/24 FY.
Palm Cl Mba Replace Footbridge Boards	Procurement	Carryover 23/24 FY.
Bicentennial Lakes F/bridge Safety Upgr	Procurement	Work will be done in conjunction with Bi Lakes upgrade.
Bullaburrah Ck Rd C'way Relieving Slab	Not Commenced	Carry over to 23/24.
Clohesy River Barron St Inspect & Design	On Hold	Draft Report received, review underway.
Bolton Rd Inspect/Design/Repl Girders	On Hold	Draft Report received, review underway.
Barron Riv. Bridge Oakforest Rd Insp/Des	Planning	Preparing RFQ for design to replace bridge deck and approx. 70m of road construction across the Barron River.
Barron River Cwy Henry H Dr Repl Slabs	Not Commenced	Carry over to 23/24.
Program: 06 Drainage		
22/23 Minor Culvert & C/ways Renewal	Construction	Replacement RCP at Nine Mile Road Julatten & repair of storm water drop box at Apollo Close Mareeba in the upcoming weeks
MBA Amaroo Drainage Upgrades	Design	Design underway.
MBA Hastings Dr Replace Concrete Pipe	Construction	Investigations January to February 2023.
Program: 07 Traffic Facilities		
Mareeba Aerodrome Signage	Completed	Signs and plaque construction complete.
Mareeba Aerodrome Safety & Repairs	Construction	Lighting expenses to be transferred from operational ledger. Fire safety works still on going.
Program: 08 Parking		

12/06/2023

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Infrastructure Services Capital Works Summary Report - May 2023



Project Description	Project Stage	Comments
Borzi Park Mba Carparking Masterplan	Design	Concepts prepared and under review.
MBA Heritage Centre Carpark Extension	Design	Concepts prepared and under review.
Program: 09 Footpaths		
22/23 Shire Wide Footpath Renewal Prog	Planning	Works program currently in development.
22/23 Walking Network Upgrade Program	Planning	Program to be developed in conjunction with the walking network plans.
Program: 10 Parks and Gardens		
LRCIP2 Mba Byrnes Street Medians	Construction	Street bin proposal out for public consultation.
DIM Parks Refresh	Procurement	RFT submission received for pump track and boundary fence line. Evaluation of submission commenced.
KDA Centenary Park Playground Upgrade	Construction	Construction of playground complete. Refurbishment of stonework and pathways is currently being planned.
MBA Bicentennial Lakes (Southern) D&C	Design	Survey complete. Design being finalised.
MBA Byrnes St Medians	Not Commenced	Project to be programmed for after March 2024.
MBA Anzac Memorial Pk L'scaping & Safety	Construction	Construction commenced.
MBA Byrnes St Traffic Islands (BP)	Not Commenced	Commence project after March 2024.
MBA Connection Rd/Byrnes St Intersection	Not Commenced	Commence project after March 2024.
MBA Costin St Medians	Not Commenced	Leave irrigation off. Trees are now established enough to not require irrigation on a regular basis. Potential to reconfigure irrigation to cater for street trees only in the future.
KDA Anzac Park Landscaping	Design	Design options prepared. Public consultation to commence in July 2023.
KDA Coondoo Street Refurb	Design	Aurecon have submitted the application to Ergon for a price to upgrade Lower Coondoo St to LED lights. Aurecon have supplied the specification for Council to request quotes for the upgrade of Upper Coondoo St. Public consultation to commence in July 2023.
KDA CBD Planter Boxes & Gardens	Not Commenced	Public consultation to commence in July 2023.
DIM Avenue of Trees Irrigation	Construction	Programmed for June 2023.
IRV Bill Newburn Park Refresh	Planning	The play equipment and park furniture requirement has been finalised and the budget increased accordingly. PM to seek quotes for the supply and installation of the approved park infrastructure.
MBA Eastern Catchment Park Amaroo St1	Construction	Playground completed, public consultation has commenced for masterplan.
Roscommon Park -Renew Exercise Equipment	Planning	Exercise equipment supply only quotes received and being assessed. Installation requirements and scope of works being assessed in relation to remaining budget.
Program: 11 Water		
Mba WTP Study for Upgrade of WW System	Construction	Works have been progressing well though this one though it will end up being carried over.
BOR6 MWTP Filtration Upgrade	Construction	Project works set out underway with designers working finish the design by early to mid July. Contractor is commencing mobilisation preliminary works.
MBA Clear Water Booster Pump Station	Procurement	Post tender negotiations completed with report for consideration to Council 21 June.
22/23 Water Pipe Renewal Program	Construction	Small section of works to be completed by 30 June and then project can be closed out.
22/23 Water Telemetry/SCADA Upgrades	Construction	Works all but completed with IT to acquire some hardware for the water reticulation during June then project can be closed out.
KDA WTP Auto Backwash on 3 Filter Cells	Planning	Treatment operations staff to liaise with suitably qualified person for the implementation works.
22/23 Smart Meters Replacement	Construction	Reticulation staff well advanced in delivering the works.
22/23 Hydrant Renewal Program	Construction	Reticulation staff will have this work completed by 30 June.

Infrastructure Services Capital Works Summary Report - May 2023



Project Description	Project Stage	Comments
MBA WTP Raw Water Pumps & Electrics	Procurement	Post tender negotiations completed with report for consideration to Council 21 June.
22/23 Valve Replacement Program (Retic)	Construction	Reticulation staff will have this work completed by 30 June.
BOR6 22/23 Water Forward Design Program	Design	Project has been delayed to the extended wet season and will be completed by end of July.
MBA Additional Pressure Reduction Valves	Planning	Locations of RPV's have been modelled and calculated during booster pump station design works and will have to be surge vessels at the treatment plant and centenary park booster station. They will be installed when the new water booster station project at the Mareeba WTP is being done.
MBA Deommision Basalt St Elevated Tank	Planning	Project cannot commence until the new water booster station project has been commissioned and suggest this project will need to be carried forward to the 2023-2024 capital program.
MBA Decommission Granite Ck Pump Station	Planning	Project cannot commence until the new water booster station project has been commissioned and suggest this project will need to be carried forward to the 2023-2024 capital program.
WTP Minor Infrastructure Replacements	Construction	Inclement weather held up works and as soon as things dry out the works will recommence as soon as possible. Suggest works may not be completed until end of July.
MBA WTP Clarifier Infra Process Improv.	Design	This project is contingent on the outcomes of the process assessment currently underway.
Program: 12 Wastewater		
New Sewer Pump Stn Standby Generators x2	Construction	Electrical contractor currently working to complete the electrical installation works. Once completed commissioning will be finalized.
Granite Ck Mba Sewerage Pump Stn Refurb	Completed	Project finalisation delayed due to contractor not providing as constructed drawings and their final claim was submitted late and also in dispute, hoping to close this out by June 30.
MBA Bi-Lakes Sewer Main Capacity	Construction	Project works commenced with contractor making good progress to date.
22/23 New Standby Generator Program	Construction	Amaroo SPS electrically connected and the Dural CI SPS Elec works underway, once completed the telemetry works will commence
22/23 MBA Sewer CCTV & Relining	Construction	Works have been progressing however the large diameter line in Lloyd St is not 525mm as in our GIS its 490mm diameter and the contractor needs to order in morerelining material to do the works there so this will slow the completion date.
KDA TP RAS System Submersible Pumps	Procurement	Pump has been removed form site for overhauling.
Minor WW Pump Station Refurbishments	On Hold	Project to be carried forward to 2023-2024 capital Program.
22/23 WW Forward Works Design Program	Design	Design works are underway and should be completed by end of June.
Program: 13 Waste		
MWF Construct New Landfill Cells	Design	Civil design complete and waiting on the finalisation of the electrical design.
MBA/KDA Transfer Station Security Improv	Construction	Critical equipment supply chain issues holding the completion of this project.
Program: 15 Fleet		
GPS Vehicle Management System	Procurement	On hold pending review of Fleet Program.
Fleet Refurb Truck Mounted Water Tank	Cancelled	Project cancelled, look to replace water tank with a purpose built water truck in the 24/25 plant replacement budget.
Fleet Replace #621 Single Cab Tipper	Procurement	Purchase order raised July 2022. Currently supplier can not give a delivery date, once truck arrives the truck has to go to the body fabricator.
Fleet Replace #675 Crew Cab Tipper	Procurement	Purchase order raised July 2022. Currently supplier can not give a delivery date, once truck arrives the truck has to go to the body fabricator.
Fleet Replace #623 Crew Cab Tipper	Procurement	Purchase order raised July 2022. Currently supplier can not give a delivery date, once truck arrives the truck has to go to the body fabricator.
Fleet Replace #6253 Road Broom	Procurement	Purchase order raised September 2022. Currently the supplier can not give a delivery date.
Program: 16 Depots and Council Offices		

Infrastructure Services Capital Works Summary Report - May 2023



Project Description	Project Stage	Comments
Rankin St MSC Admin Office Refurb	Construction	Works complete.
Kowa St MSC Depot Emergency Generator	Design	Options under review.
Program: 17 Community Buildings		
Aquatic Facility Upgrades & Splash Park	Construction	Splash Pad colour and artwork complete. Splash Park commissioning and handover to commence. Small pool heater operational. Some issues encountered with commissioning 50m pool heater.
Dimb/Mba/Kda Pools Chloring Dosing Impr	Procurement	Only one response received from RFQ. Now in discussions with Council's plumbers to see if they have capacity to carry out works.
Mba PCYC Shire Hall Part Roof Replacemnt	Completed	Defects have been rectified and awaiting invoice.
MBA Women's Restroom Refurb	On Hold	Council resolved to engage MPO to assist with finding tenants for structure. Held over contacting MPO until Tender for Post Office Carpark resolved. Will seek engagement of MPO by 30 March 2023.
MBA Riverside CPark Amenities Replace	Construction	Works 98% complete. Final certification received. Laundry exhaust and mirrors only to be completed.
22/23 Shire Toilet Facility Repl Program	Construction	Works planned for June/July.
MBA Community Hub Signage & Seating	Design	Concept design under assessment.
DIM CPark Shower Septic Modifications	Construction	Septic system connected. Earth works not completed. Contractor advises completion by 9/06/2023.
MBA New CBD Toilet Facilities	On Hold	Project on hold.
22/23 Facilities Refurbishment Program	Planning	Planning and scoping commenced.
MBA Aquatic Cnt Entrance Upgrade & Paint	Construction	Front entrance mural complete.
KDA Community Prec. Toilet Refurb	Construction	Painting contract awarded. Works to commence June.
KDA Aquatic Cnt 25m Pool Auto Fillers	Procurement	Equipment assessment completed, works identified and replacement components being sought.
KDA Aquatic Cnt 25m Pool Cleaner	Procurement	Refurbishment of Cleaner a possibility rather than full replacement, works/quotations being finalised. Works will be completed prior 30 June 2023.
KDA Aquatic Cnt 25m Pool Aquaris Upgrade	Procurement	Equipment assessment completed, quotations underway.
22/23 MBA Roof Replacement Program	Completed	Works now completed.
MBA Timber Fascia Replacement	Cancelled	Project on hold. Timber fascia's not required at this time. Possible minor maintenance works to be delivered by Mareeba Community Housing Company.
22/23 DIM Bathroom Renewal Progam	Construction	Works to be completed internally by Council tradesman.
22/23 DIM Town Hall A/C/Solar/Lighting	Procurement	Requests for quote prepared.
Program: 18 Non-Infrastructure Items		
Kuranda New Cemetery	Procurement	Tenders for Construction called 5 May 2023 and to be awarded June 2023.
DIM Cemetery Lawn Plaque on Beam	Construction	Programmed for June 2023.
MBA MIP Expansion	Planning	Consultancy progressing, draft master plan being finalised.
Program: 20 KIAC		

9.6 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - MAY 2023

Date Prepared: 18 May 2023
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 May 2023.

RECOMMENDATION

That Council receives the Infrastructure Services, Technical Services Operations Report for May 2023.

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

Investigation activities undertaken in May included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	67	13
Drainage Investigations	25	4
NHVR Permit Applications	0	17
Traffic Count Surveys	0	9
Parks Investigations	3	1
Miscellaneous <i>e.g.</i> Planning; Local Laws	27	16
Before You Dig Requests	72	72

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. Testing undertaken on internal Council projects includes Euluma Creek Road, and Wolfram Road, Bilwon Road Prestart completed 31 May 2023.

The laboratory continues to seek further external clients, with capacity for additional external works being available.

Asset Inspections:

Facility asset condition and defect inspections continue, and a review of internal Facility processes/practices is underway to seek efficiency improvements.

Ongoing improvements to GIS data associated with water, sewerage, roads, underground stormwater and kerbs asset data sets continues as information is received from all 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	Jumrum Rainforest Estate Stage 1, Fallon Road	Under construction
Mareeba	Amaroo Stage 13	Under construction
Mareeba	Prestige Gardens Stage 1-6	Under construction
Mareeba	Emerald End Road & Country Road	Under construction
Mareeba	Amaroo Stage 12	On-maintenance
Mareeba	7 Haren Street	On-maintenance
Koah	123 Fantin Road (Two Chain Road)	On-maintenance
Mareeba	Kenneally Estate Stage 4	Off-maintenance
Mareeba	The Edge Stage 3	Off-maintenance
Mareeba	Amaroo Stage 11	Off-maintenance
Mareeba	Mareeba Roadhouse and Accommodation Park, Williams Close	On-maintenance - Monitoring
Kuranda	112 Barnwell Road widening	Monitoring

Disaster Recovery Funding Arrangements (DRFA)

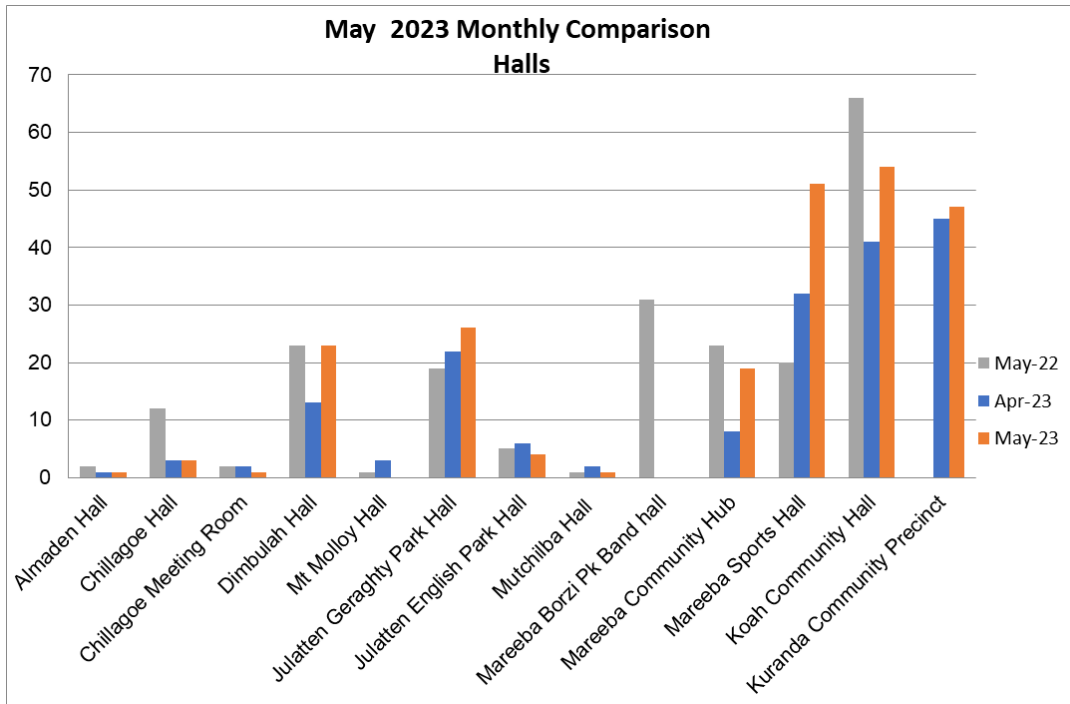
The DRFA is jointly funded by the Commonwealth and Queensland governments to help alleviate the costs of relief and recovery activities undertaken in disaster-affected communities by delivering recovery activities to return affected eligible assets back to pre-event condition. The status of declared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

Program	Status
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Contracts awarded for works and pre-starts are being organised.
2022 Betterment	Tenders have been received and are under evaluation for the delivery of works after the wet season. A report on award will be provided to Council for consideration.
Fallon Road	Geotechnical works to stabilise the embankment of Fallon Road continue, with works to be completed prior to June 30, 2023.
2023 DRFA	Activation for DRFA assistance occurred for the Northern and Central Queensland Monsoon and Flooding Event, 20 December 2022 – 30 April 2023. Emergent response activities continue, further information on activities completed is provided in the Infrastructure Services – Works Section Activity Report.

Facilities

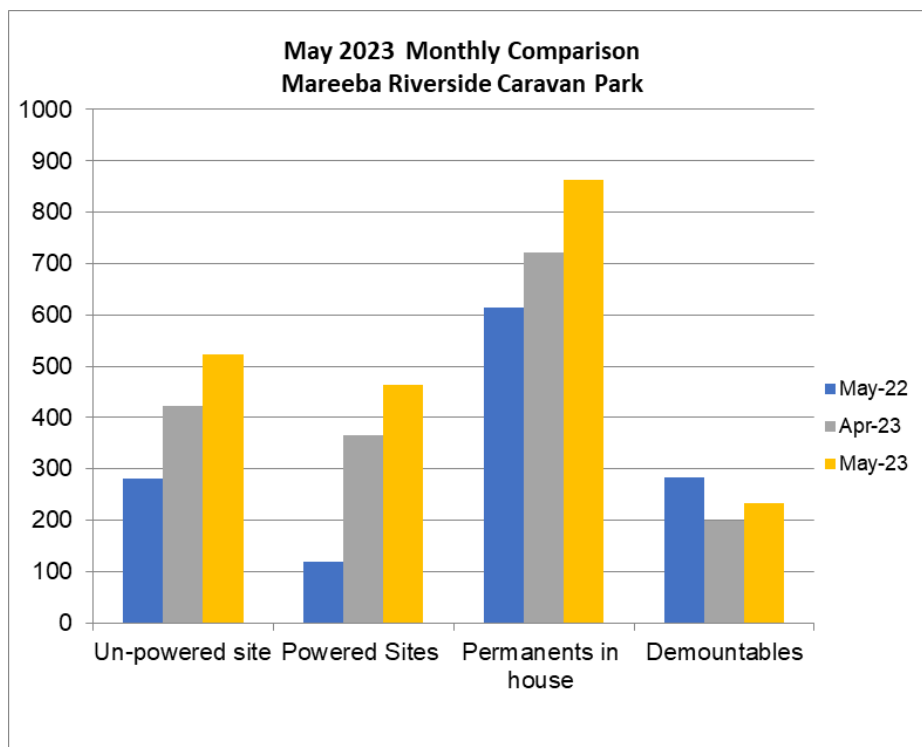
Community Halls:

Maintaining safe and efficient access to Council’s Community Halls is recognised as an important aspect for the community's ongoing wellbeing. An increase in facility overall usage was noted against the previous month, a comparison with May 2022 period indicates a general ongoing strengthening in usage.

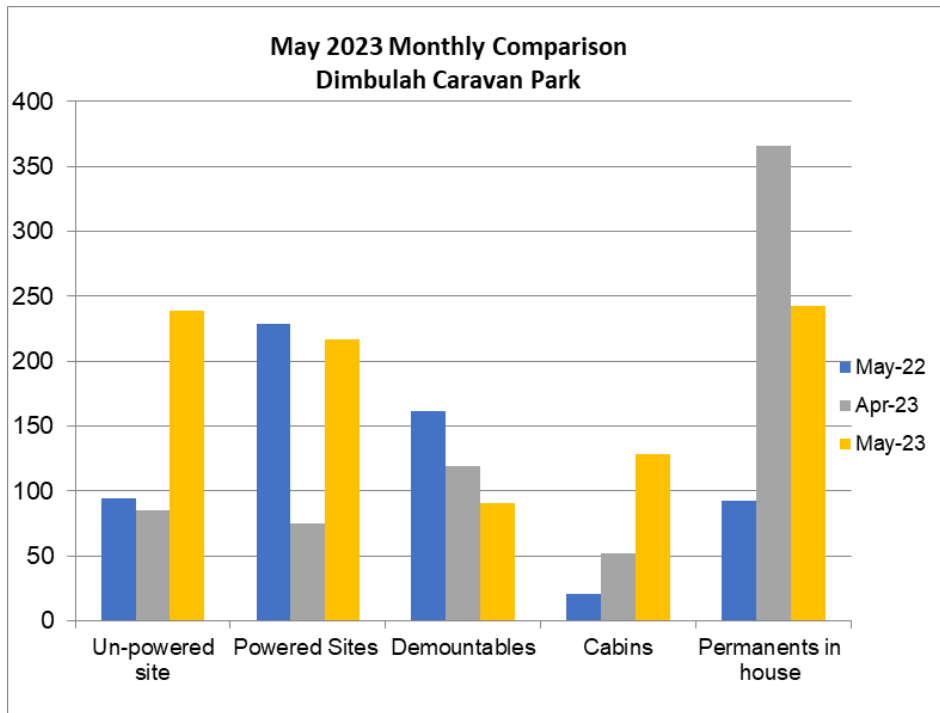


Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers have remained strong across all sectors, there has been an increase in farm workers seeking accommodation during May. Works to replace the Ablution Building have now been completed.

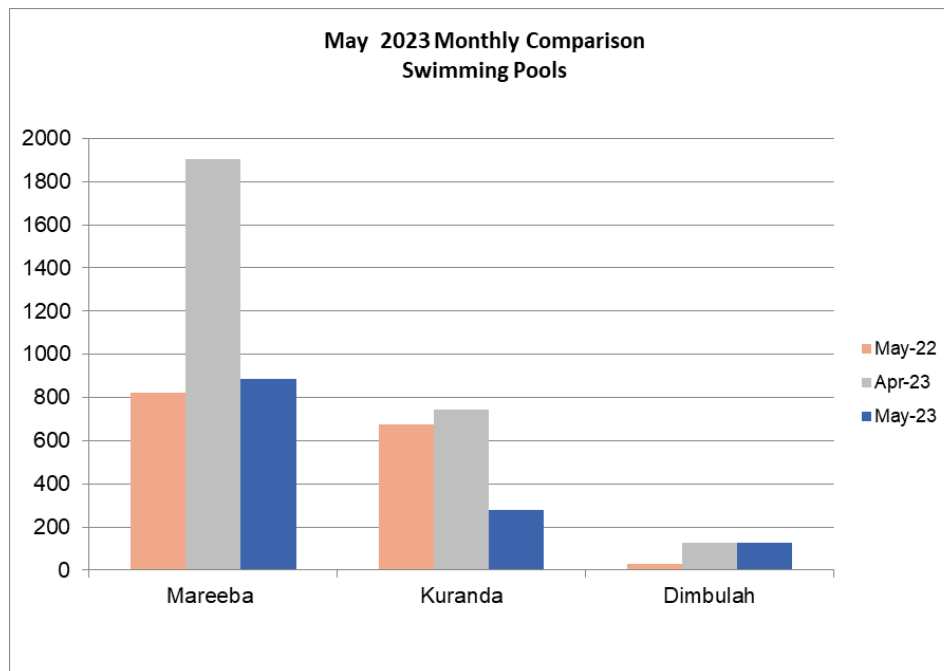


Dimbulah Caravan Park tenant numbers have generally improved and are expected to continue to strengthen. Capital works for the renewal of the septic trenches have now been completed.



Aquatic Centres

Attendance numbers have shown indications of a potential winter slowdown when compared to the April numbers, however with the anticipated completion of the Mareeba Splash Park and heating project, improvements are anticipated.



Vandalism & Graffiti:

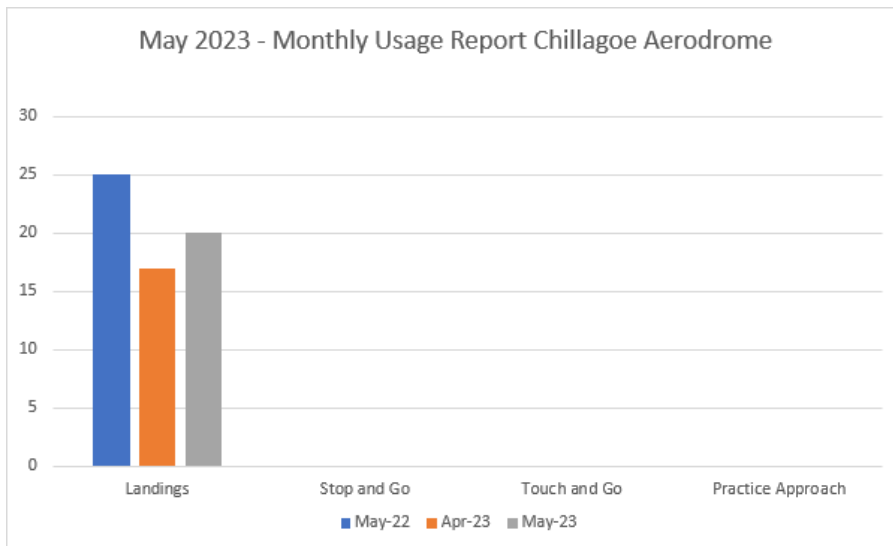
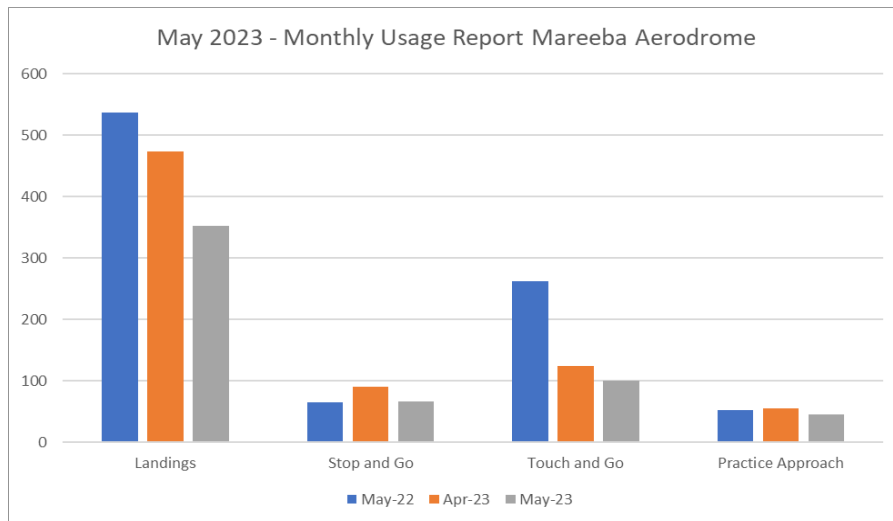
During May, seven (7) reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

Financial Year	Actuals	Comments – May 2023
2015/16	\$ 2,134.00	<ul style="list-style-type: none"> • Mareeba CWA Toilets – Vandalism x2 • Dimbulah Memorial Park Toilets – Vandalism x1 • Dimbulah Memorial Hall – Vandalism x1 • Mareeba Arnold Park Toilets – Vandalism x2 • Mareeba Rotary Park Toilets – Vandalism x1
2016/17	\$ 16,546.00	
2017/18	\$ 23,948.00	
2018/19	\$ 14,851.00	
2019/20	\$ 14,211.18	
2020/21	\$ 62,199.62	
2021/22	\$ 48,301.12	
2022/23	\$31,229.69	

Note - actuals for vandalism/graffiti do not reflect costs to repairs during that period. Incoming expenses for repairs carry over until works are completed.

Aerodromes:

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



FINANCIAL AND RESOURCE IMPLICATIONS***Operating***

Additional cost associated with graffiti and vandalism is expected and will be accommodated within existing budget allocations.

LINK TO CORPORATE PLAN

Financial Sustainability: A council that continuously operates in a cost-effective manner while managing council's assets and reserves to ensure a sustainable future.

Transport and Council Infrastructure: The provision of quality services and infrastructure for our growing community that is planned and managed using sound asset management principles.

Community: An informed and engaged community which supports and encourages effective partnerships to enhance the liveability of the Shire.

Economy and Environment: A resilient economy that promotes and supports the shire's natural assets and local industry and encourages investment while preserving and future proofing for generations to come.

9.10 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - MAY 2023

Date Prepared: 18 May 2023
Author: Manager Water and Waste
Attachments: Nil

EXECUTIVE SUMMARY

The purpose of this report is to summarise Council's Water and Waste activities undertaken by the Infrastructure Services Department during the month of May 2023.

RECOMMENDATION

That Council receives the Infrastructure Services, Water and Waste Operations Report for May 2023.

BACKGROUND**Water and Wastewater Treatment:**

All treatment plants are generally performing satisfactorily. Water demand was varied across all schemes. Rainfall in most catchments resulting in decreased consumption per connection.

Routine environmental monitoring did not detect any exceedances of environmental discharge limits. No anomalies or reportable notifications were reported in relation to routine water quality testing conducted during the month.

Water Treatment	Mareeba	Kuranda	Chillagoe	Dimbulah	Mt Molloy*
Water Plant average daily production (kL)	7,185	822	341	345	92
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,639	837	2,172	1,268	814

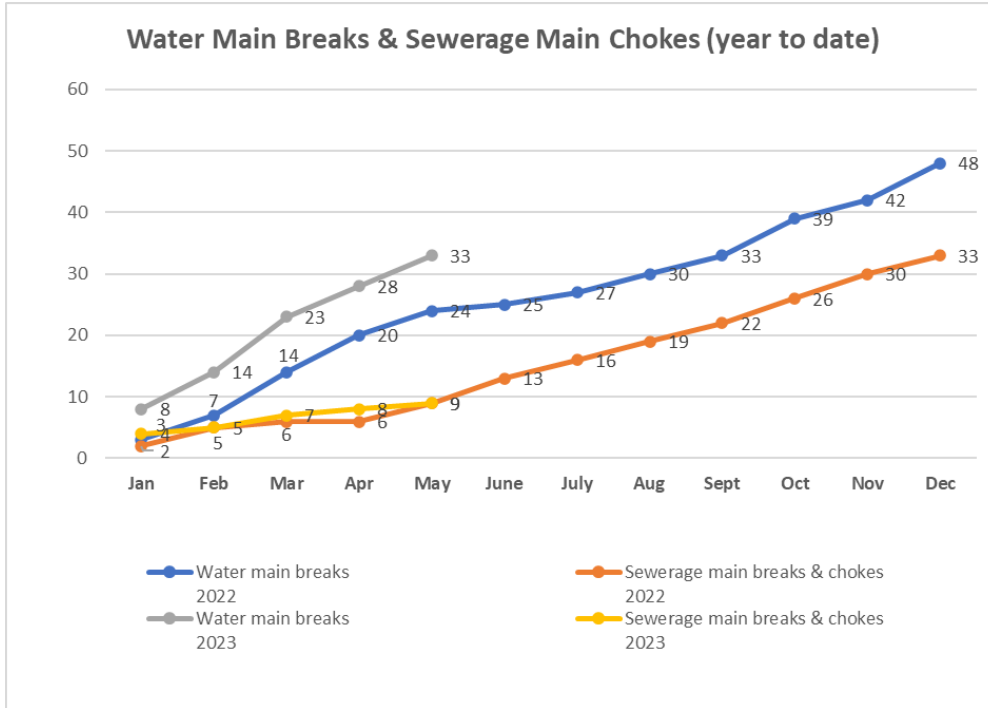
* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2,525	255
Number of Connections	3,424	346
Average daily inflow per connection (L)	738	737

Water and Wastewater Reticulation:

Council's water reticulation crew attended to five (5) water main breaks, and one (1) sewer main breaks/chokes this month, and average response times were within targets set out in Council's customer service standard for water services.

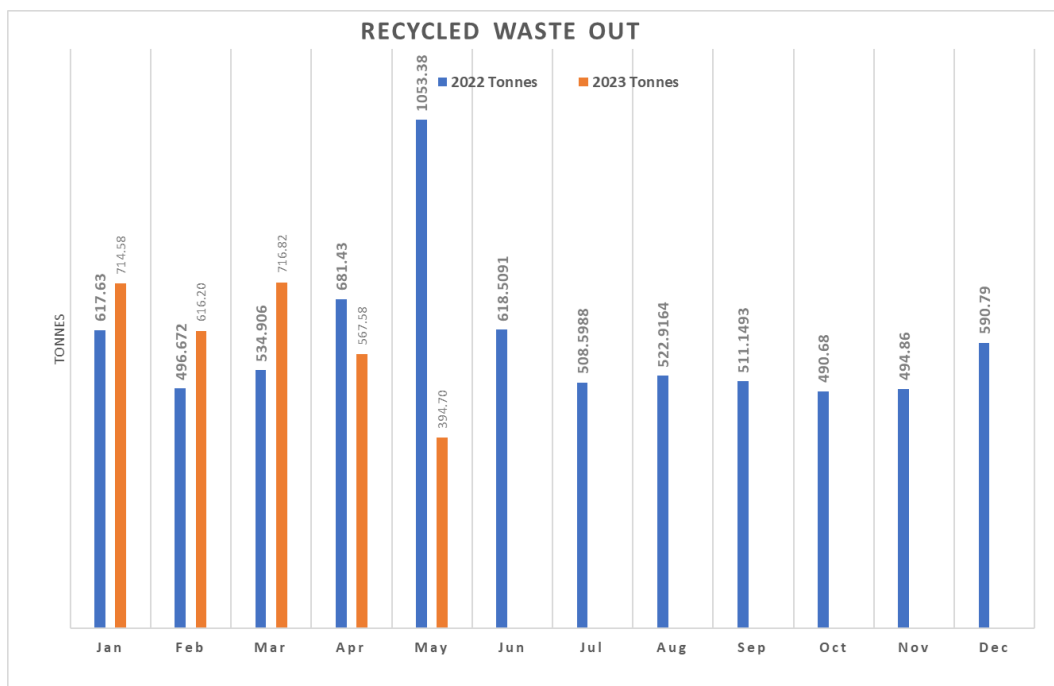
Monthly statistics are shown on the water reticulation main breaks and sewerage main breaks and chokes:

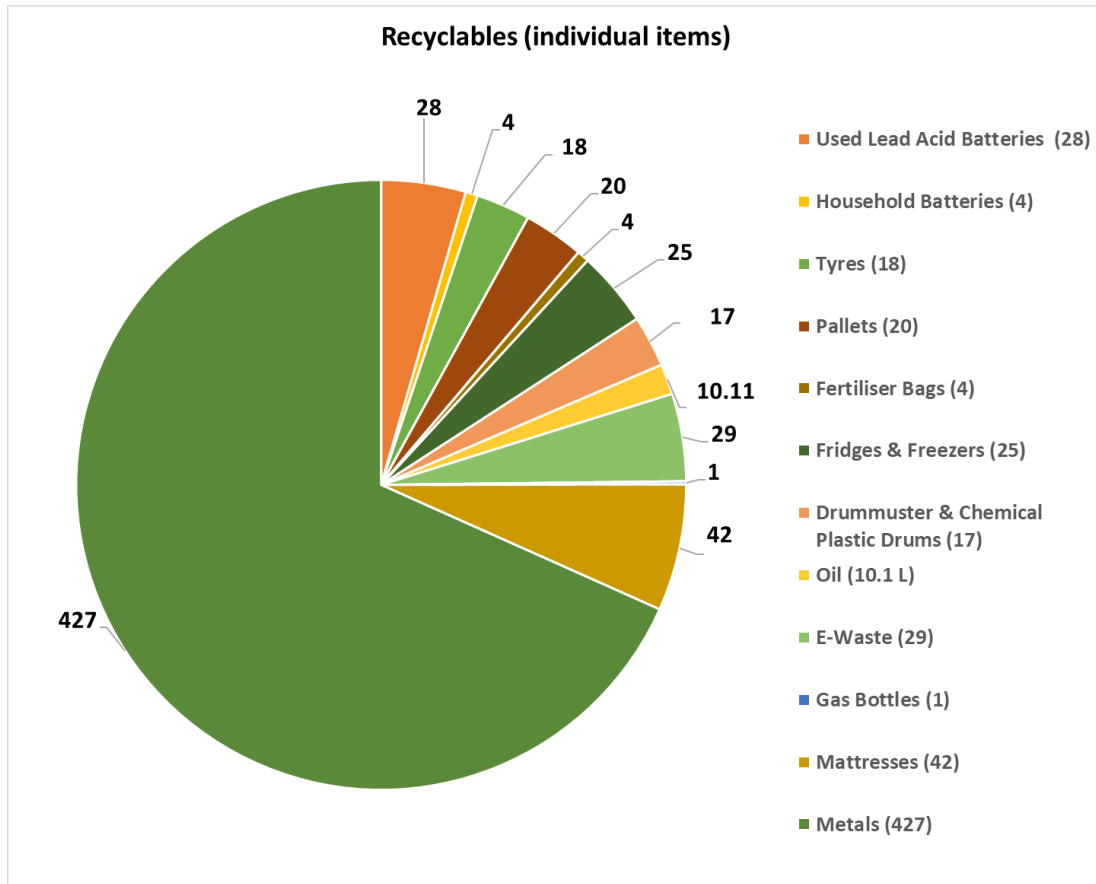


Waste Operations:

Recycling

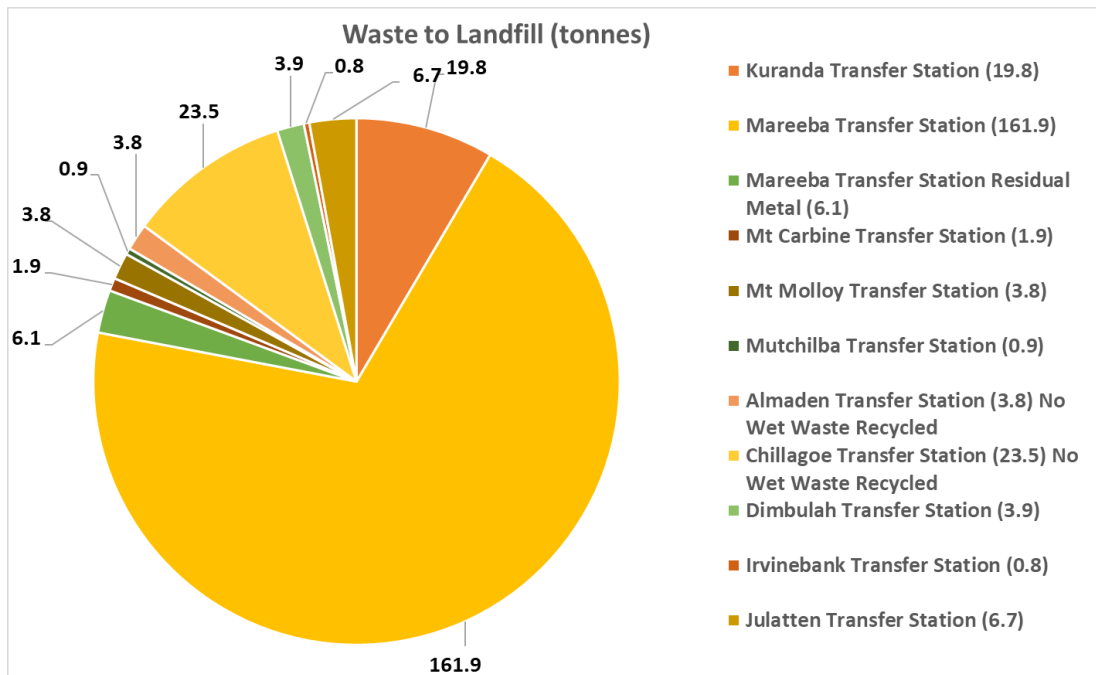
Waste material collected at each of the waste transfer stations are either deposited directly to the Springmount Waste Facility, recycled, or transported to the Veolia Advanced Resource Recovery Facility (ARRF) in Cairns for processing.





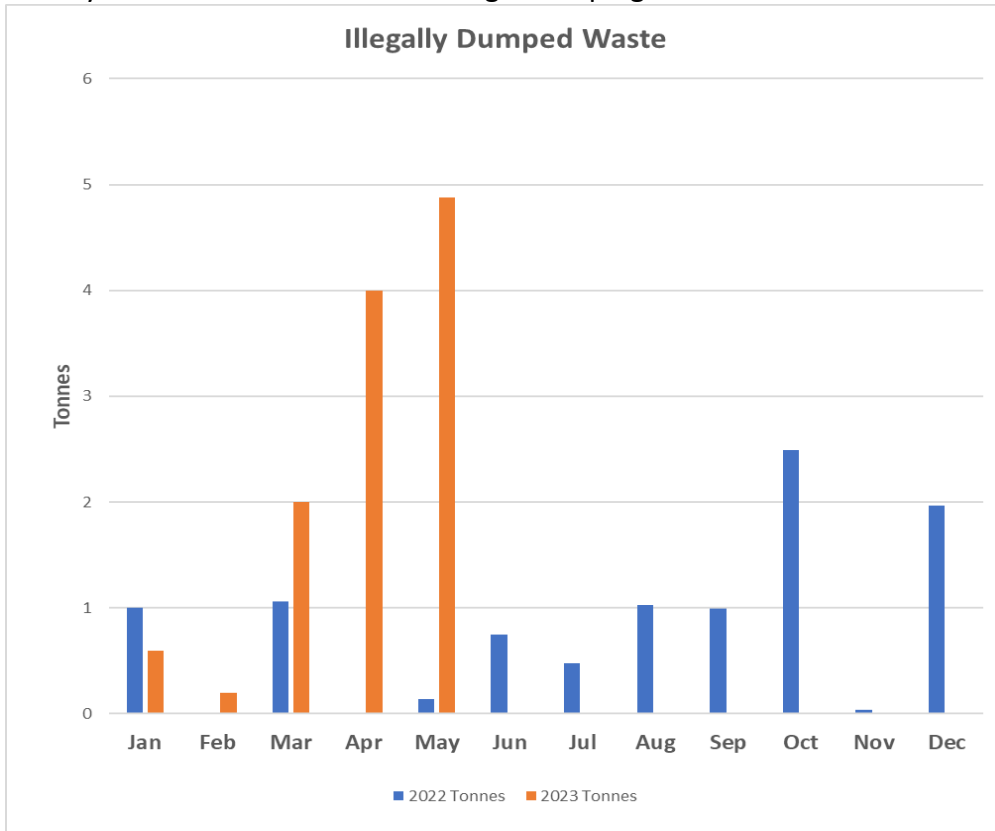
Waste to Transfer Stations

Transfer Station dry waste is transported off site to the Springmount Waste Facility and for the month of May 233 tonnes was landfilled.



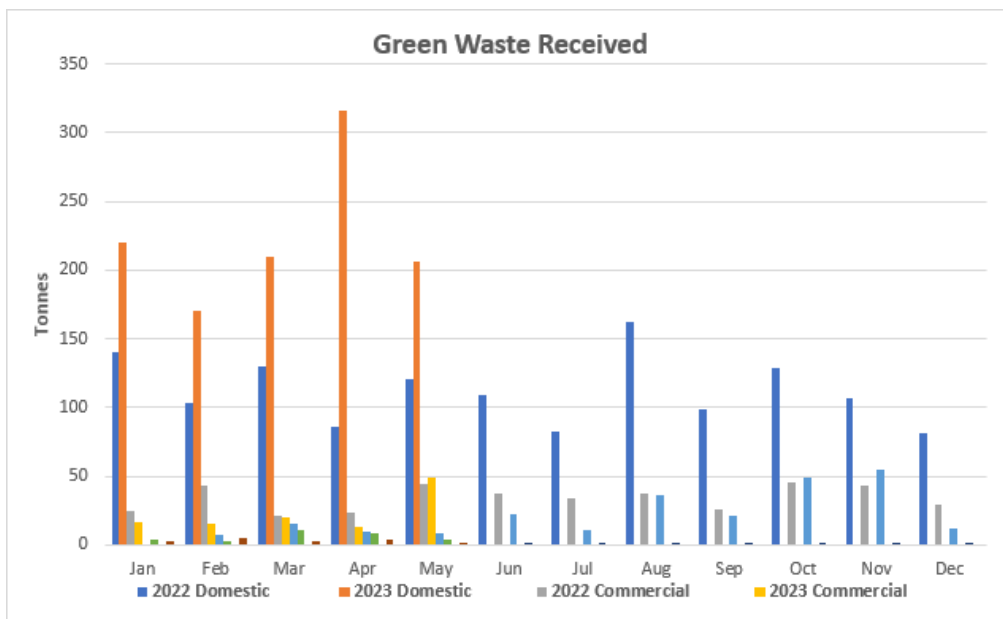
Illegally Dumped Waste

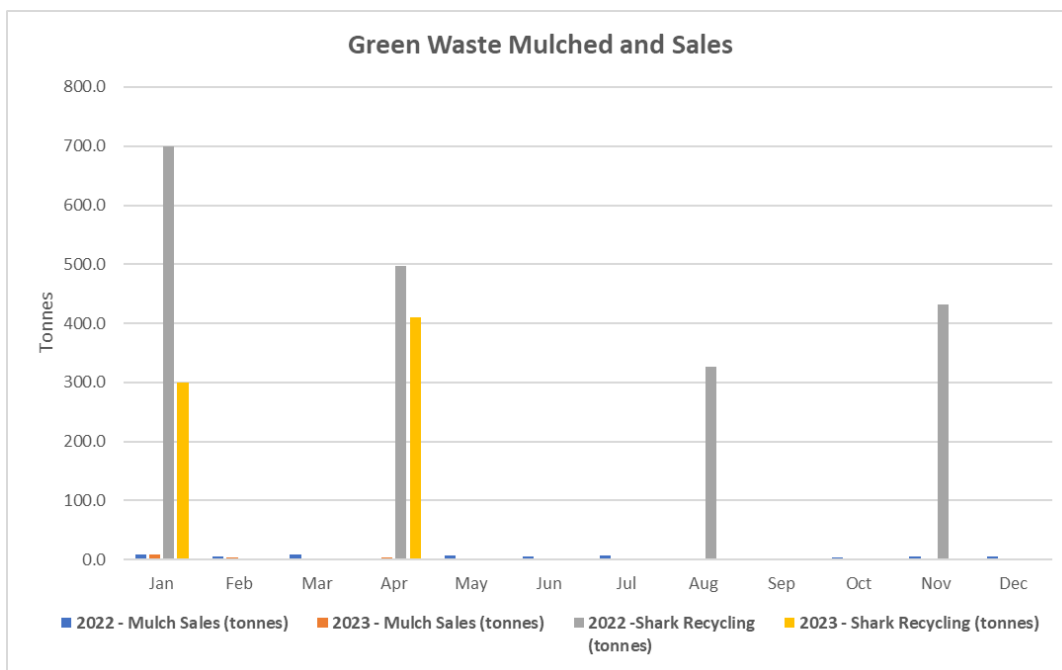
There were 4.8 tonnes of illegally dumped waste recorded through Waste Transfer Stations during the month of May. This does not include the illegal dumping on TMR Roads.



Green Waste

During May, Council received a total of 260 tonnes of green waste with Kuranda recording 0.2 tonnes of green waste from locations registered as being potentially contaminated with Electric Ants.





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

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Economy and Environment: A resilient economy that promotes and supports the shire's natural assets and local industry and encourages investment while preserving and future proofing for generations to come.

Governance: Sound decision making based on effective frameworks and clear strategic direction to achieve regulatory compliance while delivering affordable levels of identified services within the Shire.

IMPLEMENTATION/COMMUNICATION

Nil

9.11 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - MAY 2023**Date Prepared:** 12 June 2023**Author:** Manager Works**Attachments:** Nil**EXECUTIVE SUMMARY**

The purpose of this report is to summarise Council's Transport Infrastructure, Parks and Gardens and Land Protection operational activities undertaken by Infrastructure Services during the month of May 2023.

RECOMMENDATION

That Council receives the Infrastructure Services, Works Progress Report for the month of May 2023.

BACKGROUND**Transport Infrastructure**Emergent Works

Mareeba Shire Council is eligible for DRFA funding following the activation of the shire under the Northern and Central Queensland Monsoon and Flooding 20 December 2022 to 30 April 2023 event.

The extension of the event period means that DRFA emergent works will now be eligible for repair until 29 July 2023.

During May, the Works Group has undertaken emergent work on the following roads within the shire.

Road	Location	Road	Location
Armstrong Road	Mona Mona	Lappa Mt Garnet Road	Petford
Austin Road	Mona Mona	Masons Road	Kuranda
Barron Falls Road	Kuranda	Mt Spurgeon Road	Mt Carbine
Bilwon Road	Biboohra	Roiko Road	Mareeba
Black Mountain Road	Kuranda	Strathleven Road	Gamboola
Bolwarra Road	Crystalbrook	Wolfram Road	Dimbulah
Braund Road	Dimbulah	Euluma Creek Road	Julatten
Brickley Street	Dimbulah	Ganyan Drive	Speewah
Clohesy River Road	Koah	Hodzic Road	Biboohra
Crystalbrook Road	Crystalbrook	Jeffrey Road	Kuranda

Unsealed Road Maintenance Grading

Road	Locality	Road	Locality
Ootann Road	Barwidgi	Mt Perseverance Road	Julatten
Adil Road	Mareeba	Nine Mile Road	Julatten
Bolwarra Road	Crystalbrook	Peters Road	Mareeba
Collins Weir Road	Mutchilba	Pickford Road	Mareeba
Eastern Street	Chillagoe	Rubina Terrace	Irvinebank
Georgetown Road	Chillagoe	Smelter Road	Chillagoe
Gordon Street	Irvinebank	Wetherby Road	Julatten
Jessie Street	Irvinebank	Zillmanton Road	Chillagoe
Lockwood Road	Mareeba	School of Arts Street	Almaden
MacDonald Street	Irvinebank	Cowan Road	Mareeba
McIver Road	Mareeba	Fisher Road	Mareeba
McLeans Bridge Road	Julatten	Pont Street	Chillagoe
Mt Mulligan Road	Dimbulah		

General Maintenance

Activity	Area
Slashing/Mowing	Dimbulah, Kuranda, Koah, Mt Molloy, Julatten, Mareeba
Herbicide Spraying	Mareeba, Mutchilba, Dimbulah, Mt Molloy, Julatten, Kuranda, Speewah, Koah
Drain Cleaning	Kuranda, Mareeba

Customer Requests

During the month of May, the Works Group received 119 Customer Requests (CRs) with 175 resolved (resolved requests include those received prior to May 2023). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
May	88	25	6

At the time of reporting, the Works Group had 89 open requests.

TMR Routine Maintenance Performance Contract (RMPC)

During May, slashing operations were carried out on the Mareeba – Dimbulah Road and the Burke Developmental Road (BDR) and a maintenance grade was carried out on the short, unsealed section of the BDR, just west of Almaden to coincide with the annual Great Wheel Barrow Race.

A medium formation grade was completed on the Herberton – Petford Road, between Watsonville and Irvinebank, and the gravel resheeting of a 1km section commenced west of the Hales Siding turnoff.

Parks and Open Spaces

As the frequency of maintenance mowing is dropping with the onset of cooler, drier weather, a brush cutting and herbicide spraying program was the predominate Parks and Open Spaces activity undertaken in the Mareeba area during May. Mary Andrews Park, Ralph Leinster Park, Stadhams Park, Mareeba Cemetery, Bicentennial Lakes and the Mareeba Pioneer Cemetery were all completed.

Sporting fields will continue to be serviced twice weekly or weekly, depending on usage, as well as the Off Leash Dog Park in Mareeba.

Other activities undertaken in May included.

- Mow and maintain Biboohra township
- Minor repairs to Centenary Park softfall in Kuranda
- Replacement of safety caps at the Amaroo Park playground
- Slashing of Mooraridji Park, Eales Park and Shaban Park
- Chillagoe, Almaden and Mt Molloy fire breaks have been installed
- Mow and maintain Mareeba Cemetery and Pioneer Cemetery
- Burials: Mareeba x 5

Fire Management

- Provision of traffic control services for a fuel reduction burn undertaken by the Mt Molloy Rural Fire Service on Saturday May 20
- Installation of bare earth fire breaks at Chillagoe and Almaden

Land Protection

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

Department of Main Roads (external funded): Mareeba Shire Council's annual roadside sprayed herbicide program on state controlled roads for the Department of Transport and Main Roads continued throughout May targeting pest weeds listed in the Mareeba Shire Community Biosecurity Plan. The Mulligan Highway was treated for Gamba Grass, Rubber vine and Caltrop.

Siam weed has been found during roadside inspections. One (1) site was a single plant on the Kennedy Highway at Speewah and another larger site was detected on the Burke Developmental Road approximately 5 km east of Petford. Both sites were mapped and treated.



Siam weed on the Burke Developmental Road

Wild Dogs: Baiting has been carried out on seven (7) properties totalling 366,500 hectares, one (1) on the upper Mitchell River and six (6) on the Walsh and Lynd River Catchments.

Feral Pigs: One landholder currently has a council trap on loan and is targeting feral pigs on his property east of Mareeba. These pigs have been in issue lately with a number of them being struck by cars on the Kennedy Highway. To date, eight (8) pigs have been trapped and destroyed at this location.

Mareeba Field Day: Mareeba Shire Council’s Land Protection Section had a stall at the Rotary FNQ Field Day. This was a great opportunity to help raise awareness of invasive plants and animals. The public had an opportunity to speak with officers first hand on any issues they have and to be made aware of pests that are a growing problem in the shire.



FINANCIAL AND RESOURCE IMPLICATIONS***Operating***

All operational works are funded by the section specific 2022/23 maintenance budgets.

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IMPLEMENTATION/COMMUNICATION

Nil