



INFRASTRUCTURE POLICY COMMITTEE

AGENDA

4 JULY 2023

Notice is hereby given, in accordance with the provisions of the Local Government Act 1993 that an **INFRASTRUCTURE POLICY COMMITTEE MEETING of ORANGE CITY COUNCIL** will be held in the **COUNCIL CHAMBER, CIVIC CENTRE, BYNG STREET, ORANGE** on **Tuesday, 4 July 2023**.

David Waddell

CHIEF EXECUTIVE OFFICER

For apologies please contact Administration on 6393 8106.

AGENDA

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1 INTRODUCTION

1.1 DECLARATION OF PECUNIARY INTERESTS, SIGNIFICANT NON-PECUNIARY INTERESTS AND LESS THAN SIGNIFICANT NON-PECUNIARY INTERESTS

The provisions of Chapter 14 of the Local Government Act, 1993 (the Act) regulate the way in which Councillors and designated staff of Council conduct themselves to ensure that there is no conflict between their private interests and their public role.

The Act prescribes that where a member of Council (or a Committee of Council) has a direct or indirect financial (pecuniary) interest in a matter to be considered at a meeting of the Council (or Committee), that interest must be disclosed as soon as practicable after the start of the meeting and the reasons given for declaring such interest.

As members are aware, the provisions of the Local Government Act restrict any member who has declared a pecuniary interest in any matter from participating in the discussion or voting on that matter, and requires that member to vacate the Chamber.

Council's Code of Conduct provides that if members have a non-pecuniary conflict of interest, the nature of the conflict must be disclosed. The Code of Conduct also provides for a number of ways in which a member may manage non pecuniary conflicts of interest.

RECOMMENDATION

It is recommended that Committee Members now disclose any conflicts of interest in matters under consideration by the Infrastructure Policy Committee at this meeting.

2 GENERAL REPORTS

2.1 CURRENT WORKS

RECORD NUMBER: 2023/988

AUTHOR: Ian Greenham, Director Technical Services

EXECUTIVE SUMMARY

The purpose of this report is to update Council on construction and maintenance works which have been carried out since the last current works report to Council.

LINK TO DELIVERY/OPERATIONAL PLAN

The recommendation in this report relates to the Delivery/Operational Plan strategy “10.1. Construct and maintain a road network that meets the community’s transport and infrastructure needs”.

FINANCIAL IMPLICATIONS

Nil

POLICY AND GOVERNANCE IMPLICATIONS

Nil

RECOMMENDATION

That the information provided in the report on Current Works be acknowledged.

FURTHER CONSIDERATIONS

Consideration has been given to the recommendation’s impact on Council’s service delivery; image and reputation; political; environmental; health and safety; employees; stakeholders and project management; and no further implications or risks have been identified.

SUPPORTING INFORMATION

Road Maintenance

Road maintenance activities over the last month have started to focus on Council’s Regional Road network and more permanent repairs with hot mix asphalt or emulsion seals on our local network.

Road Upgrading

Clergate Road

Works have continued with further installation of piped drainage, watermain relocation and the formation of the road alignment and lower pavement layers.

Airport hardstand

Formation and placement of gravel was completed and a holding seal applied. Final sealing work will be carried out when the weather is favourable.

2.1 Current Works

Coronation Drive and Woodward Street

Council's contractor undertook works to recycle and strengthen the existing pavement at these locations with a cement based product. A waterproof seal was then applied with a hot mix asphalt riding surface to be laid in the following week.

High Pedestrian Activity Area (HPAA)

Hot mix asphalt was laid 13 of 14 locations around the CBD and a brick pattern later stamped and coloured as part of a network of thresholds to indicate the upcoming 40km/hr CBD HPAA. Completion of the project including signposting and line marking is expected by December 2023.



Photo – Contractors painting the stamped asphalt surface

Concrete and Drainage

Footpaths

Work has commenced or continued on new footpaths and footpath reconstructions at:

- March Street – Lords Place to Peisley Street
- William Street – Betta Electrical to March Street
- Telopea Way – Platinum Parade to Farrell Road

2.1 Current Works



Photo – New footpath in March Street

Traffic Facilities

Roundabout at Dalton and Clinton Streets

The centre island and remaining kerbs were completed. Pavement was brought up to allow for the final asphalt pavement to be laid.



Photo – Formwork and reinforcement for the concrete ring of the roundabout

2.1 Current Works

WATER SUPPLY SERVICES

The type and number of water supply service responses by maintenance staff are shown in the table below.

Category	July 2021 – June 2022	May 2023
Water - Leak (Meter)	288	48
Water Request - Meters Faulty (incorrect readings)	29	2
Water - No Water Supply	39	5
Water – Pressure	23	4
Water Request - Replace Meter box/lid	53	5
Water quality – Dirty	23	3
Water - Burst Main	80	12
Water - leak (Main, Valve, Hydrant)	361	56
Total Water Requests	896	135

Construction WorksBloomfield Water main works

- Continuing with REF.

Clergate Road Water Main Realignment

- Continuing to lay 450mm water main.
- Job to be complete start of July, pending supply of larger fittings.

Anson Street Water Main Renewal

- Ordering fittings for job.
- Start first week of July.

Broken Water Mains

- Woodward Street – 300mm
- March Street and Lords Place
- 17 Moresby Street
- Curran Street
- Canobolas Marine – Bathurst Road
- 5 Prince Street
- 1486 Forest Road
- Linden Avenue

Water Services

Installation of new water services at the following locations:

- Private Works Order

2.1 Current Works

- 122 Gardiner Road – 20mm water
- Bathurst Road – Canobolas Marine – unsized to 150mm fire service
- 100mm fire service – Ash Street
- Renewals
 - 105 Dalton – 20mm
 - New dog bubbler – Wirrabarra Walk

SEWER SERVICES

The type and number of sewer service responses by maintenance staff are shown in the table below.

Category	July 2021 – June 2022	May 2023
Sewer Choke - Blockages	277	26
Sewer Complaint - Odour	9	2
Sewer Complaint - Overflow	190	10
Total Sewer Requests	476	38

Sewer Construction WorksSewer Relining Program

The 2022/23 relining program is 90% complete with the program to be completed by 30 June 2023.

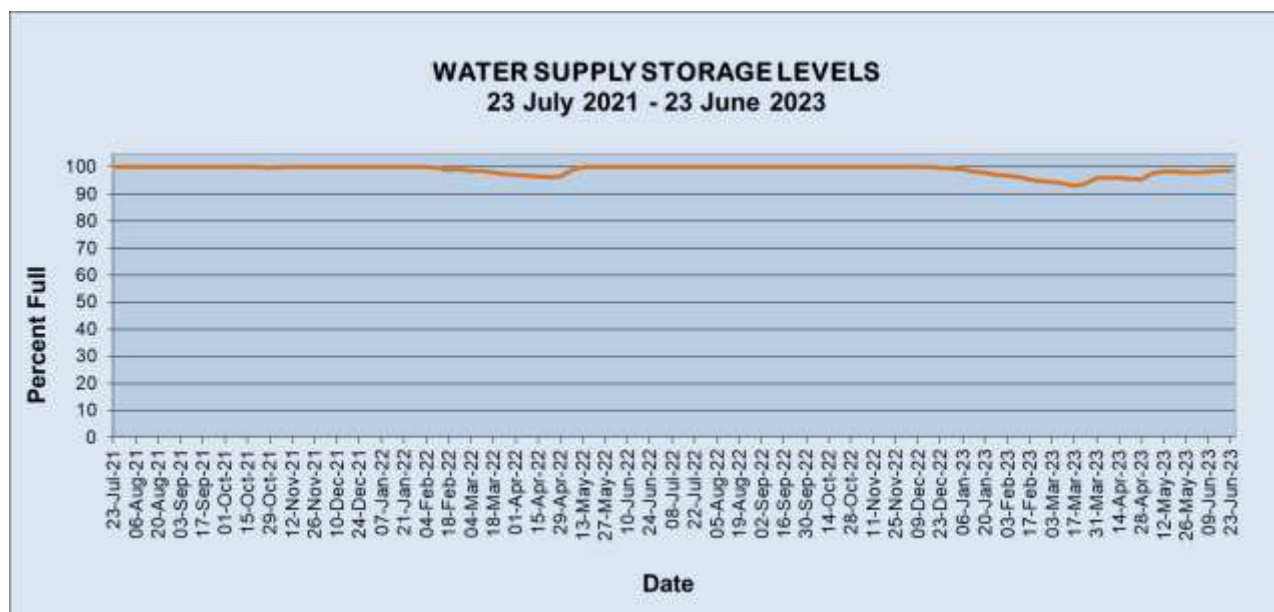
Sewer construction

- Private Works Order
 - 122 Gardiner Road – sewer junction
- Sewer Reconstruction
 - 1719 Forest Road

WATER SUPPLY SECURITY**Water Storage Levels**

The water storage trend for the combined storages from 23 July 2021 to 23 June 2023 is shown in the graph below.

2.1 Current Works



Location	Level Below Spillway (mm)	% of Capacity
Suma Park Dam	174	98.42%
Spring Creek Dam	0	100.00%
Lake Canobolas	0	100.00%
Gosling Creek Dam	5	99.85%

Supplementary Raw Water Sources

Extractions from the supplementary raw water supplies in recent months are provided in the table below. The 'Total' column is for the water year being 1 July to 30 June.

Raw Water Source	March 2023 (ML)	April 2023 (ML)	May 2023 (ML)	Total (ML) 2022/2023
Bores*	9.19	5.19	3.78	72.95
Stormwater	0.00	0.00	0.00	0.00
Macquarie River	0.00	0.00	0.00	0.00
Total	9.19	5.19	3.78	72.95

* Bores include two at Clifton Grove and two at the Showground/Margaret Street

A more detailed monthly summary of raw water transfers can be found on Council's website at <https://www.orange.nsw.gov.au/water/oranges-water-supply/>.

[Pumping from the Showground and Margaret Street bores stopped and electronic communication failed following a storm event on the 19 of May. This was rectified and brought back online by early June.](#)

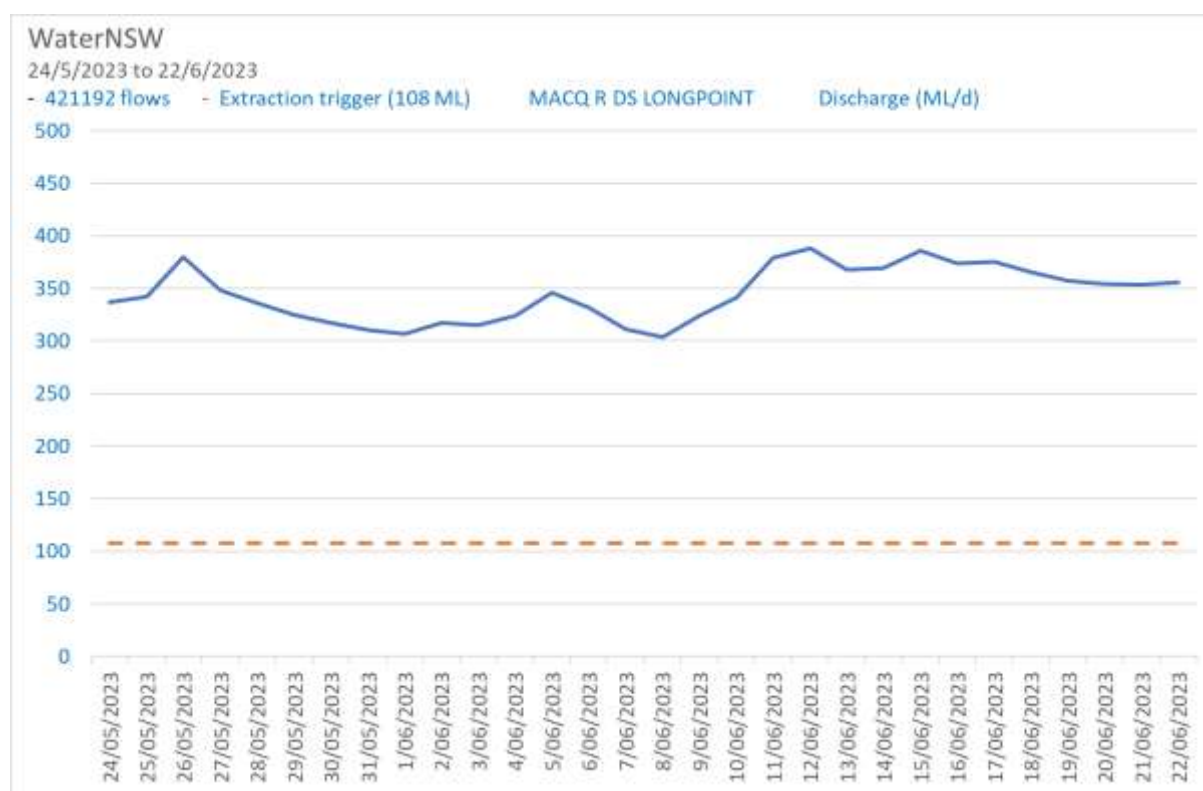
2.1 Current Works

The Decision Support Tool (DST) quarterly review was conducted 14 April 2023 with neutral conditions predicted from the POAMA forecast. Additionally, as Suma Park Dam remains above 90% capacity, there are no changes to operating conditions. The DST for the 2023-2024 water year is scheduled for July.

Macquarie River Flows

The mean daily flows in the Macquarie River monitored downstream of Long Point (Station 421192) for the period 24 May to 22 June 2023 are presented below. Flows remained above the extraction trigger value of 108 ML/d for the period, with a minimum mean daily flow rate of approx. 304 ML. The mean daily flow rates varied by approx. 84 ML for the period with a maximum of approx. 388 ML/d mid-June.

The data for the chart below was sourced from the WaterNSW website with flows presented in megalitres per day (ML/d).

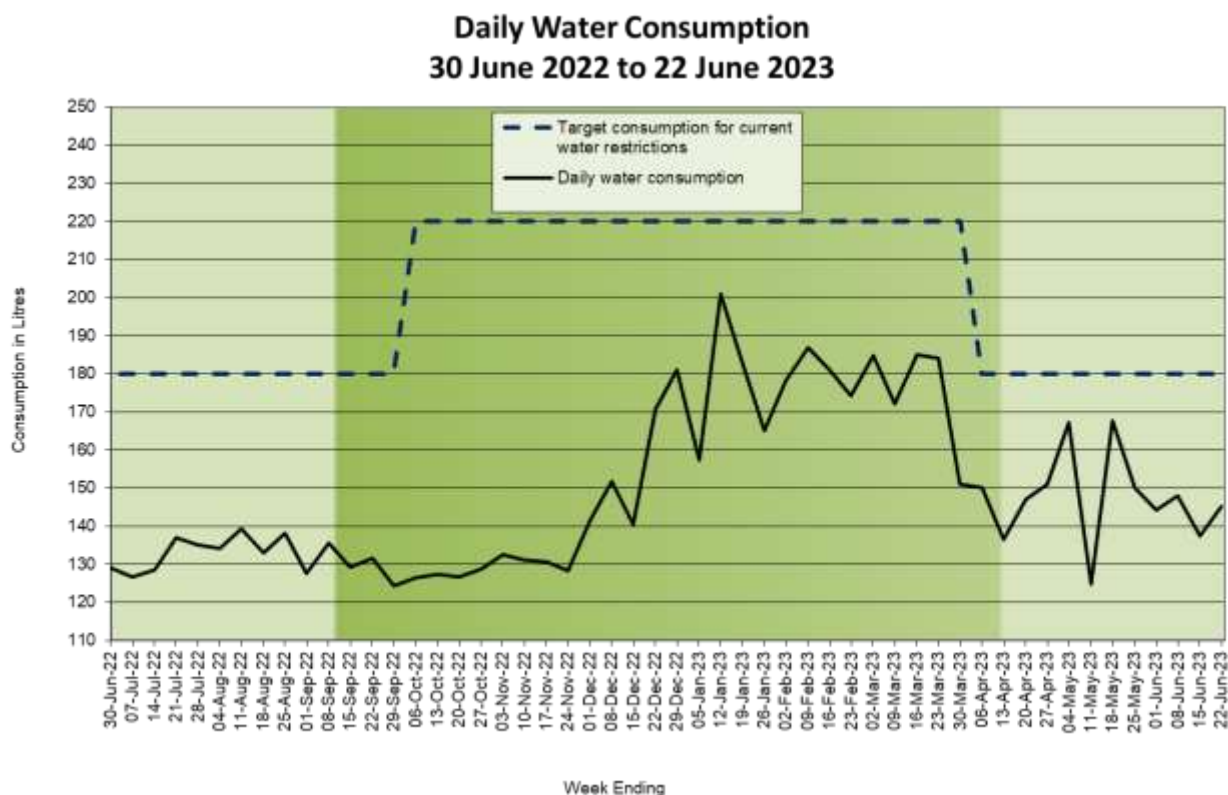


Demand Management

Residential water use

Permanent Water Saving Standards came into effect on Friday 25 June 2021. Average daily residential water consumption for the period 19 May 2023 to 22 June 2023 was 145 litres per person per day. The graph below shows the average daily residential water consumption trend since June 2022.

2.1 Current Works

*Total water use*

The average daily city-wide water consumption for the period 19 May 2023 to 22 June 2023 was 9.36 ML/day.

DRINKING WATER QUALITY

Water samples are collected as a component of Orange City Council's Drinking Water Quality Monitoring Program in accordance with NSW Health requirements. Samples are collected regularly and sent to the NSW Government National Association of Testing Authorities (NATA) accredited laboratory for analysis. Water quality for May 2023 complied with the Australian Drinking Water Guidelines health targets.

OTHER MAJOR PROJECTS**Lake Canobolas Water and Sewer**

Both the water and sewer pipelines have been constructed from the Lake to Pinnacle Road. The water main will be extended to connect to the Beech Crescent reservoir boosted area and the sewer will ultimately extend down the unformed section of Pines Lane. Significant rehabilitation in the form of hydro-seeding is remaining to be undertaken over the disturbed areas by the contractor.

The contractor is currently behind programme and is undertaking under-bore works in parallel to open trenching to make up time. The current date for practical completion is early July 2023, however a late July completion is expected.

The rock under-bore programmed to occur in the private land adjacent to the deer park has commenced and is expected to be completed in the week beginning 26 June 2023.

2.1 Current Works



Photo – Under-bore through rock near deer park

East Orange Harvesting Wetlands (Blackman's Swamp Creek Stormwater Harvesting Stage 2)

This project, which is designed to provide an offline storage on Blackman's Swamp Creek to increase the city's water supply secure yield, had been experiencing a delay due to a refusal of Council's Water Supply Works Approval (under the Water Management Act 2000) application by DPE Water (previously administered by the Natural Resources Access Regulator (NRAR)).

This refusal predominantly revolved around the interpretation of a weir and its legality under the Water Sharing Plan for the Macquarie-Bogan Unregulated Water Sources 2012 as it was deemed to be an in-river dam and not permitted.

Following the amendments to the Water Sharing Plan for the Macquarie-Bogan Unregulated Water Sources 2012 to exclude a water supply work to be used for town water supply purposes by a local water utility, Council has now made a new application to DPE Water for a Water Supply Works Approval. The exhibition period for this application closed on 31 January 2023.

On 11 May 2023 Council received correspondence from DPE advising that 58 objections were received which were largely the same as received for Council's initial application. The Department has provided redacted versions of 7 of the more detailed objections which capture the concern of the objectors. Council had until the 30 June 2023 to respond; a comprehensive response was sent on 22 June 2023.

Sewage Treatment Plant Inlet Works

This project involves upgrading the existing inlet works at the Orange Sewage Treatment Plant (STP) to meet the peak wet weather flow demand and replace the old inlet system with improved screening and improved contingency measures. The proposed works involve excavation of the construction area, relocation of two inlet sewer pipelines, water main and internal STP access road, and installation of a retaining wall adjacent to the new inlet works. New inlet work structures include screening channels, grit trap, pump station and flow splitter, and associated connection piping, electrical cabling, screens, grit trap, washing equipment and pumps.

2.1 Current Works

Over the last month, the contractor has focused on the retaining wall which saw concrete poured on 6 June and steel placement associated with the inlet structure. Prior to a concrete pour of structural components of the inlet works, Council requires the results of a trial concrete mix to ensure it meets specifications.

The current date for Practical Completion is the end of December 2023.



Photo – STP Inlet Works – retaining wall concrete pour 6 June.

Southern Feeder Road Stage 4

The contractor was given approval to commence clearing and grubbing on 15 May 2023. Work has commenced at the Shiralee Road, Park Road intersection and at the Anson Street section of the job. Subsequently, the majority of the topsoil has been removed from the site.

Unsuitable material and wet foundation conditions have hampered contractor's progress. To address this, it is intended to lime stabilise the foundation of the road.

Practical completion of the works is anticipated to occur in May 2024.

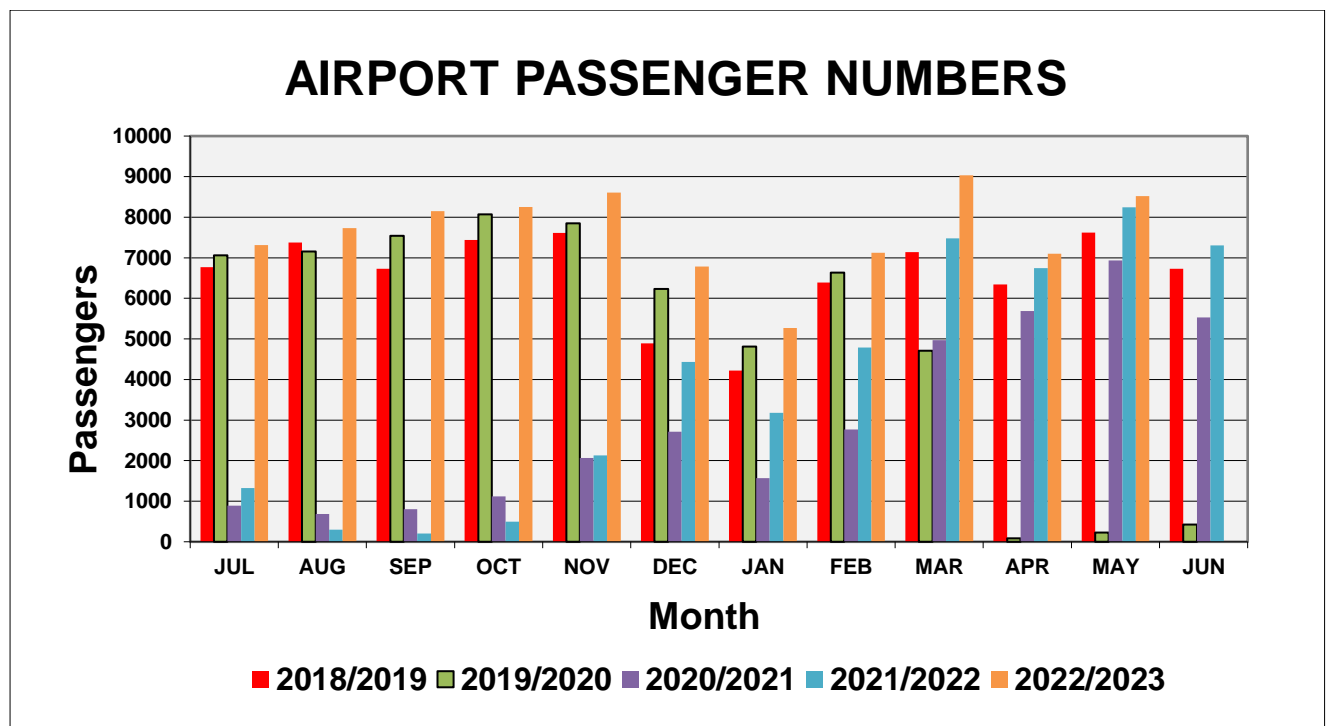
2.1 Current Works



Photo – SFR4 – Intersection of Shiralee Road and Park Road

AIRPORT PASSENGER NUMBERS

Passenger numbers during May 2023 were 8,522 compared with 8,192 in the same month in 2022. These figures include passenger numbers from Regional Express, Link Airways (formerly Fly Corporate) and QantasLink.



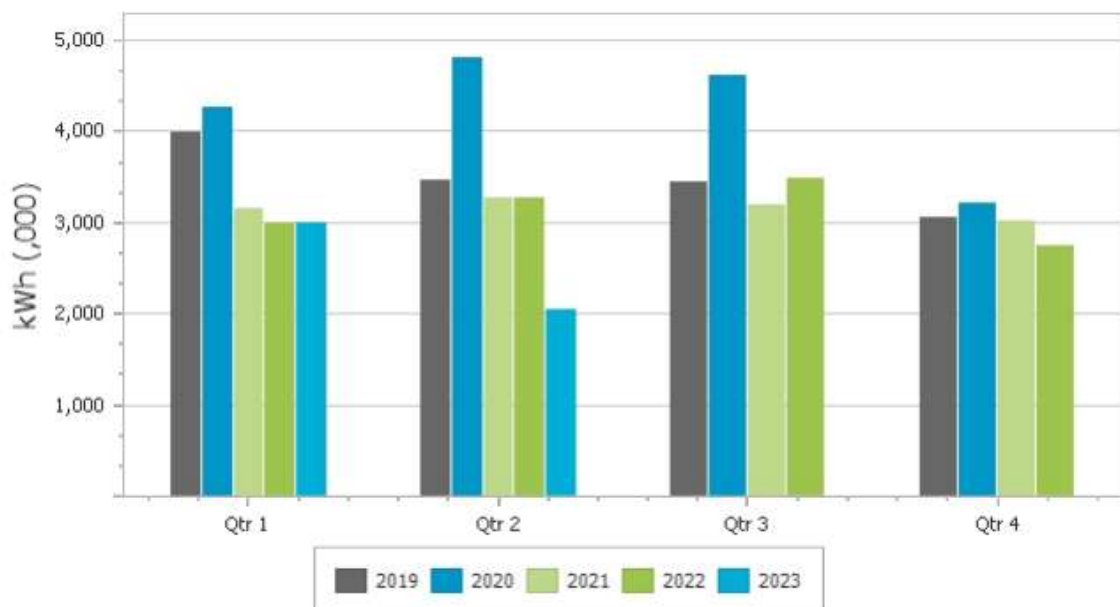
2.1 Current Works

ENERGY USE

The following information is sourced from E21, Council's energy software.

Consumption History - up to 4 Years

Friday, 23 June 2023 9:02 AM



History - Last 12 Months

GROUP	CONSUMPTION (kWh)	CO2 EMISSIONS (t)	BILL (ex GST)
Parks & Gardens	0	0	\$0
Water	4,297,957	3,395	\$1,024,002
Public Buildings & Facilities	2,697,285	2,131	\$661,105
Lighting	1,684,294	1,331	\$531,633
Other	0	0	\$0
Sewer	3,653,875	2,887	\$811,022
Macquarie Pipeline	18,881	15	\$24,062
Ungrouped	151,112	119	\$47,877
Total	12,503,404	9,878	\$3,099,701