



INFRASTRUCTURE POLICY COMMITTEE

AGENDA

2 AUGUST 2022

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, 2 August 2022**.

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: 2022/1402

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 “9.1. Construct and maintain a road network 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

Council road crews began winter grading activities on its unsealed road network including:

- Blunt Road
- Hiney Road
- Bowd Road
- Ginns Road
- Selwood Road
- Williams Road

2.1 Current Works

Road Upgrading

Road upgrading works generally improve the function of the road through widening or other geometric improvements. These functional improvements address issues such as safety, capacity, drainage and ride quality.

Clergate Road

Tenders for the main civil works component of the project have been evaluated. It is intended to bring a report and recommendation for Council's consideration to the 2 August 2022 meeting.

Road upgrading works planned for the current financial year include:

Project	2022/23
Lamrock Ave/Sampson St intersection	\$18,000
Pedestrian crossing lighting	\$45,000
Forest Road – Gander Road towards Aerodrome Road	\$800,000
Winter Street upgrade at March Street	\$650,000
Beasley Road upgrading – Bathurst Road to Blunt Road	\$1,500,000
Clergate Road – Quartz Street to Industry Drive	\$3,600,000
2022-2023 Total	\$6,613,000

Road Rehabilitation

Road rehabilitation works are works within the existing formation of the road that bring the road back to an 'as new' standard and are essentially 'like for like'.

Huntley Road at Hiney Road

Council's contractors have slightly widened and stabilised the existing pavement. Sealing works were deferred for a couple of weeks due to inclement weather, but have now been completed.

2.1 Current Works

Road rehabilitation works planned for the current financial year include:

Road Name	Segment	Budget
Dalton Street	Sale Street to Anson Street (inc. causeway)	\$150,000
Aerodrome Road	Gander to Airport Exit	\$130,000
McLachlan Street	Margaret Street to Dalton Street	\$300,000
Various Locations	Geotechnical Investigations and Testing	\$15,000
Various Streets	Various Streets Heavy Patching	\$18,000
2022-2023 Total		\$613,000
<i>Roads to Recovery Funding (Grant)</i>		
<i>Roundabout</i>	<i>Dalton Street and Peisley Street intersection</i>	<i>\$225,000</i>
<i>Huntley Road</i>	<i>North of Hiney Road</i>	<i>\$300,000</i>
<i>2022-2023 Total</i>		<i>\$525,000</i>

Rutherford Road

A motion was passed by Council requesting information on when works were to be undertaken on Rutherford Road.

Rutherford Road is located in a relatively new residential area of Council. The road was constructed in 2004 by the property developer. The road has been assessed as suffering from the premature failure of several sections of the pavement at just under half of its expected design life.

Rutherford Road has been assessed at condition 8, which means it is theoretically at a level of service requiring intervention according to Council's Transport Asset Management Plan. However, due to a backlog of higher priority roads (either in worse condition or higher order roads requiring earlier intervention), Rutherford Road is not programmed for rehabilitation for at least 5 years.

Council staff will continue to undertake routine maintenance activities including cold mix, and jet patcher patching. Should additional maintenance funding become available, more durable heavy patching could be undertaken by specialised crews as an interim intervention to improve the overall condition and serviceability of the road.

2.1 Current Works

Road Resealing

Road resealing works are generally undertaken on roads to preserve or improve the waterproofing function that a seal serves. For this reason, resealing will quite often be undertaken on roads that appear to be in relatively good condition. Some preparatory patching of small localised failures is usually associated with these works.

The resealing can be either asphalt or a sprayed seal depending on the functionality of a road or street.

Road re-sealing works planned for the current financial year include:

Road Name	Segment	Budget
Anson Street	Northern Distributor To Roselawn Drive (AC)	\$110,000
Adina Crescent	Lone Pine Avenue to Brunswick Street	\$70,000
Coronation Drive	Woodward Street To Kenna Street (AC)	\$120,000
Diamond Drive	Farrell Road To Opal Street (AC)	\$185,000
Diamond Drive	Bella Vista To Romano (AC)	\$70,000
Dalton Street	Peisley Street to Rail Crossing	\$55,000
Icely Road	Bridge 1 to Boundary	\$150,000
Lone Pine Avenue	Adina Crescent to End	\$40,000
Pinnacle Road	Wallace Lane to Wallace Lane + 1090m	\$50,000
Cul-de-Sac Bowls	Asphalt Turning Heads 2x (AC)	\$40,000
Various Streets	Heavy Patching	\$10,000
2022-2023 Totals		\$900,000

Concrete and Drainage

Footpaths

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

- McLachlan Street – Byng Street to Summer Street East
- Forest Road – Southern Feeder Road to Grevillea
- Molong Road – Mastronardi Way to NDR
- Burrendong Way – Dalton Street to the Robin Hood Hotel
- Moulder Street – Sampson Street to Woodward Street

2.1 Current Works

Works were completed on new footpaths and footpath reconstructions at:

- Clinton Street – Summer Street to Byng Street
- Prince Street – Sale Street to Hill Street

Footpath rehabilitation/replacement planned for the current financial year include:

Road Name	Segment	Budget
McLachlan Street	Byng to Summer East (Western Side)	\$40,000
McLachlan Street	Bathurst to Summer East (Eastern Side)	\$60,000
Byng Street	Anson to Sale (Southern Side)	\$75,000
Byng Street	Hill to Sale (Northern Side)	\$65,000
Tobruk Crescent	Maxwell North to Churchill (Western Side)	\$45,000
Various Short Linkages		\$15,000
2022-2023 Total		\$300,000

New footpath construction planned for the current financial year include:

Road Name	Segment	Budget
William Street	Terminating path to March (Western Side)	\$15,000
Molong Road	Mastronardi to NDR (Eastern Side)	\$85,000
Dalton Street	Peisley to Lords (Northern Side)	\$35,000
Forest Road	Terminating path to Grevillea (Western Side)	\$32,000
March Street	Peisley to Lords (Northern Side)	\$35,000
Byng Street	Park to Spring (Northern Side)	\$29,000
Various	Co-fund developer contributed paths	\$60,000
TBA	Selected Segments	\$9,000
2022-2023 Total		\$300,000

2.1 Current Works

Other works

Council crews attended to a sinking concrete slab near the Woolworths Loading dock in the Sale Street car park. The cause of the problem was found to be a large void under the slab caused by a faulty roof water connection into Council’s drainage system.



Photo – 500mm void found under carpark concrete slab (Woolworths building services in background)

WATER SUPPLY SERVICES

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

Category	July 2020 – June 2021	June 2022
Water - Leak (Meter)	327	20
Water Request - Meters Faulty (incorrect readings)	73	3
Water - No Water Supply	44	6
Water – Pressure	37	1
Water Request - Replace Meter box/lid	63	3
Water quality – Dirty	53	2
Water - Burst Main	85	12
Water - leak (Main, Valve, Hydrant)	285	38
Total Water Requests	967	85

2.1 Current Works

Construction Works

Beech Crescent and Icely Road Reservoir Mixers

The water reservoir mixers have been installed and fully commissioned. The water quality is currently being monitored to ensure compliance with results currently indicating improvements to the water quality being provided.

Water Services

Installation of new water services at the following locations:

- Installation of 10 new dual water services for Yackerboon Place, Orange.
- Installation of two new dual water services for Westerly Place, Orange.
- Installation of new water service at 12 Orana Street, Orange.
- Installation of 40mm water service connection at 21 Peisley Street, Orange.
- Installation of 32mm water service connection at 9 Waratah Place, Orange.
- Installation of 20mm water service at 10 Kirkwood Place, Orange.
- Installation of 20mm water connection to the Byng Street and Lords Place roundabout.

Renewal of water service at the following location:

- 130 Clinton Street

SEWER SERVICES

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

Category	July 2020 – June 2021	June 2022
Sewer Choke - Blockages	314	31
Sewer Complaint - Odour	23	0
Sewer Complaint - Overflow	192	16
Total Sewer Requests	529	47

Sewer Construction Works

Sieben Drive Sewerage Pump Station

Works are continuing on the installation of a new sewerage pump station in Sieben Drive. This pump station forms part on the North Orange Sewer Strategy and will provide additional capacity to the existing network. All pipe works for the pump station have been installed with shaping of the pump station site currently underway. It is expected that the shaping and concreting around the site will be completed in August.

2.1 Current Works

Upgrade of March Road Sewerage Pump Station

Council is currently undertaking an REF for the upgrade of the March Road sewer pump station which is located near the intersection of Burrendong Way and Barcelona Way. The upgrade is in line with Council North Orange Sewer Strategy and consists of approximately 600kl of offline sewer storage, a backup site generator and modifications to the current odour control system. REF is the first step in the process of undertaking works for the upgrade of the Pump Station and are expected to be complete October 2022.

Sewer connection work and relocations

- Two new sewer junctions for Westerly Place, Orange.
- Sewer Main reconstruction at 18 Buna Street, Orange.

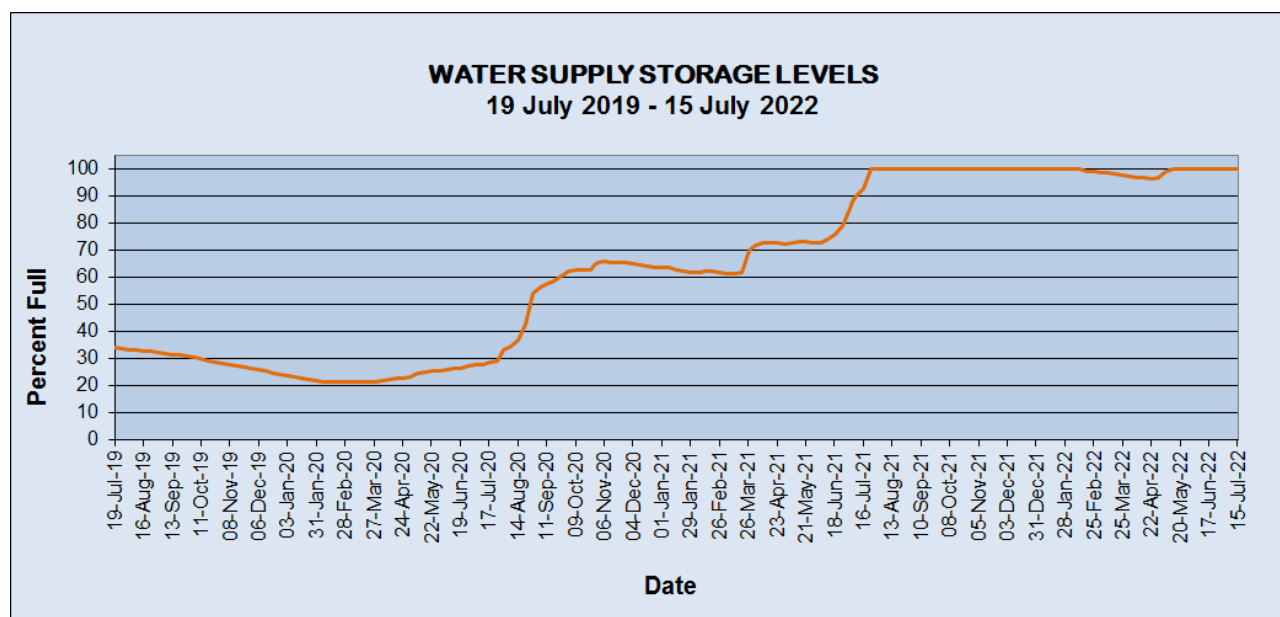
Sewer Reconstruction

- Sewer reconstruction of 123 Anson Street from a collapsed sewer junction

WATER SUPPLY SECURITY

Water Storage Levels

Water storage trends for the combined storages from 19 July 2019 to 15 July 2022 shown in the graph below.



Location	Level Below Spillway (mm)	% of Capacity
Suma Park Dam	0	100%
Spring Creek Dam	0	100%
Lake Canobolas	0	100%
Gosling Creek Dam	0	100%

2.1 Current Works

Supplementary Raw Water Sources

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

Raw Water Source	April 2022 (ML)	May 2022 (ML)	June 2022 (ML)	Total (ML) 2021/2022
Bores*	7.07	4.98	5.05	89.68
Stormwater	0.00	0.00	0.00	8.61
Macquarie River	0.00	0.00	0.00	0.00
Total	7.07	4.98	5.05	98.29

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

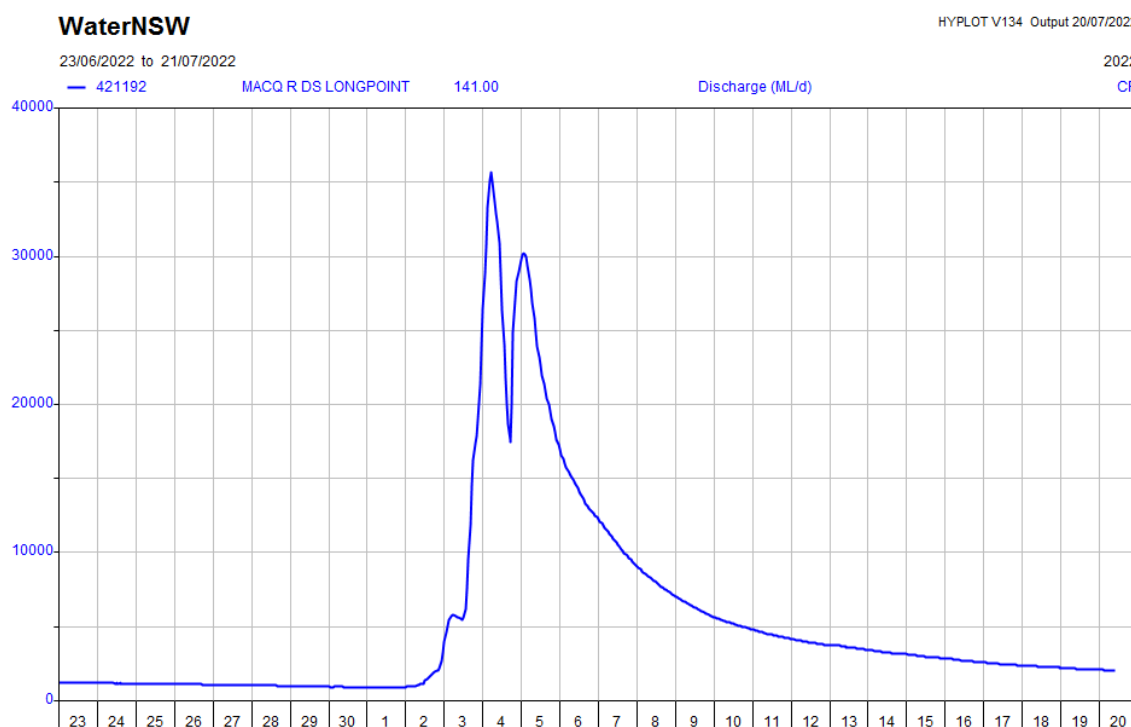
A more detailed monthly summary of raw water transfers can be found on Council's website at <https://www.orange.nsw.gov.au/water/oranges-water-supply/>

The Decision Support Tool (DST) quarterly review was conducted during March 2022 with the forecast for wet conditions. With the storages being above 90% capacity, no external sources of water are currently required. The annual review will be conducted by July 2022.

Macquarie River Flows

The flows for the period 23 June to 20 July 2022 in the Macquarie River monitored downstream of Long Point (Station 421192) are presented below. High flows continued through the period being above the extraction trigger value of 108 ML/d with a minimum flow rate of approximately 1,195 ML/d on 24 June 2022. A maximum flow rate of approximately 35,663 ML/day occurred on 5 July 2022.

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



2.1 Current Works

Demand Management

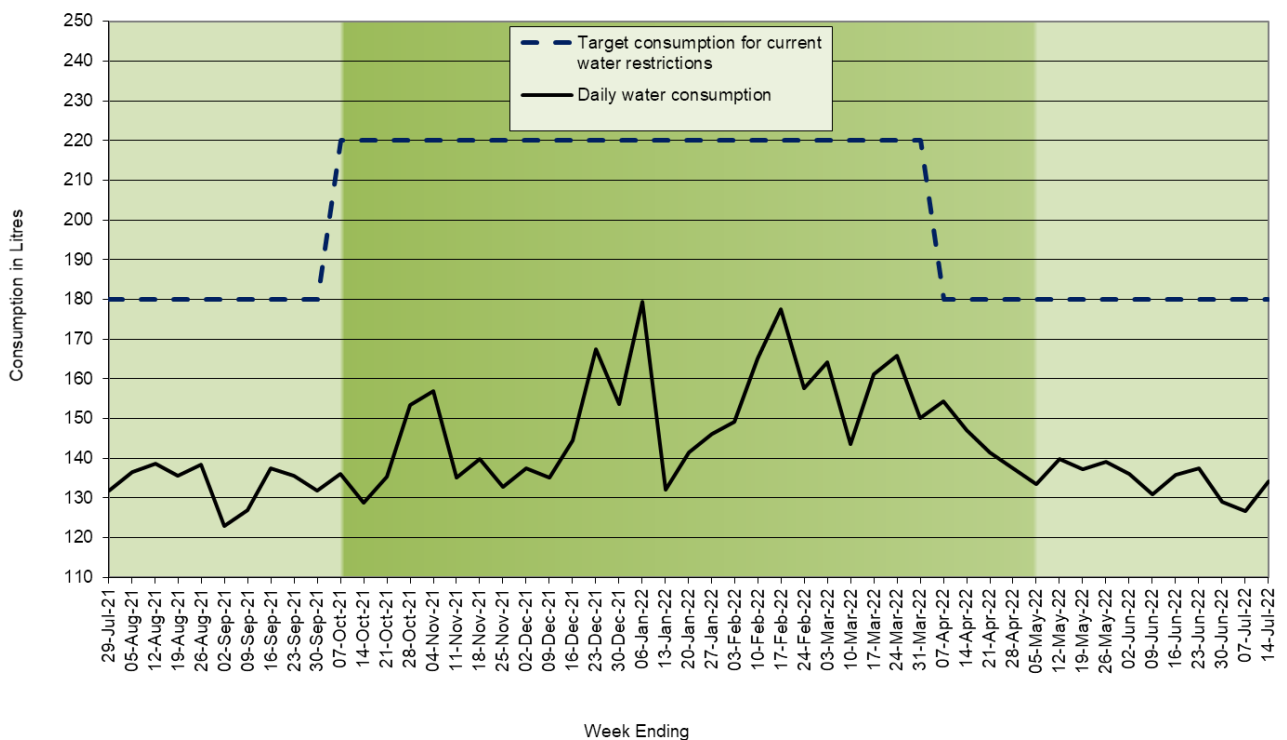
Residential water use

Permanent Water Saving Standards came into effect on Friday 25 June 2021.

Average daily residential water consumption during the week ending 14 July 2022 was 134 litres per person per day.

The graph below shows the average daily residential water consumption trends since July 2021.

**Daily Water Consumption
29 July 2021 - 14 July 2022**



Total water use

The average daily city-wide water consumption for the period 18 June 2022 to 14 July 2022 was 8.51 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 NSW Government National Association of Testing Authorities (NATA) accredited laboratory for analysis. Water quality for June 2022 complied with the Australian Drinking Water Guidelines health targets.

2.1 Current Works

OTHER MAJOR PROJECTS

Lake Canobolas Water and Sewer

This project proposes to construct a new water main from Orange to Lake Canobolas to improve water quality and also construct a sewer main from Lake Canobolas back to Orange to cater for future higher use and improve environmental outcomes by removing septic systems from the Molong Dam water catchment.

To date, an environmental assessment has been undertaken which is currently being updated to include the removal of additional poplar trees and rock breaking associated with the proposed pump station.

It was anticipated that a request for tender for the pipe work will now occur on 2 August 2022.

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, is experiencing a delay due to a refusal of Council's Water Supply Works Approval (under the Water Management Act 2000) application by the Natural Resources Access Regulator (NRAR).

This refusal predominantly revolves around the interpretation of a weir and its legality under the Water Sharing Plan for the Macquarie-Bogan Unregulated Water Sources 2012.

Council staff are working with the Department of Planning and Environment (DPE) and other government agencies to provide clarity as to the interpretation by NRAR and other options that may exist to facilitate the construction of the weir required to fill the offline storage. A positive development is that NRAR is no longer involved in Water Supply Works Approvals and the application will be assessed by DPE directly.

Southern Feeder Road Stage 4

Following the resolution of Council on 19 April 2022 where Council resolved *"..That subject to agreement on contractual clauses and in accordance with the proposal outlined within the body of this report, that Council accept the offer by the MAAS Group for The Construction of the Southern Feeder Road Stage 4 and Shiralee Collector Road Stage 5 – F3718 .."* Agreement has largely been reached on contract conditions and Council's solicitors are in the process of updating the General Conditions of Contract and formal instrument of agreement.

Sewerage Treatment Plant Inlet Works

Tenders have closed for the upgrading of the inlet processes associated with the Sewerage Treatment Plant. Three tenders were received and are currently being evaluated by Council staff before a recommendation is brought to Council for consideration.

2.1 Current Works

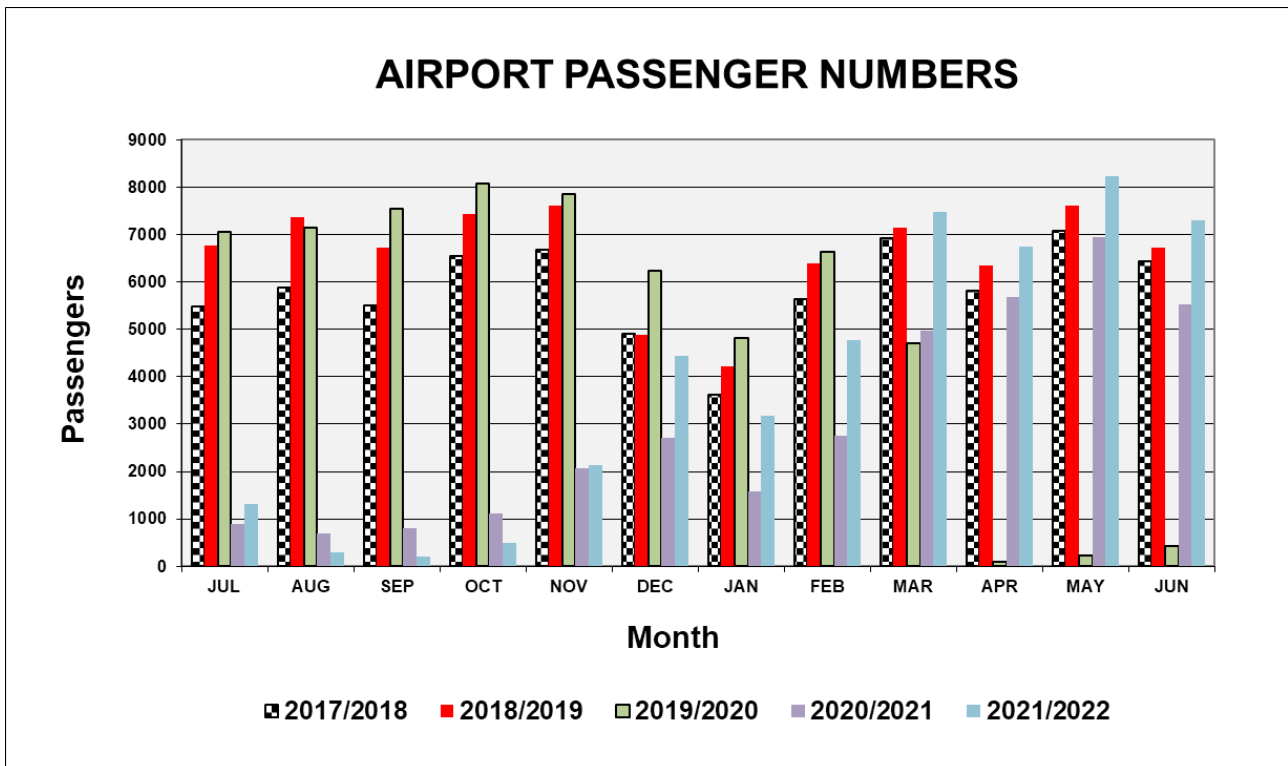
AIRPORT ENERGY USAGE

Energy used at the airport during June 2022 was 35,805.35 kWh at a cost to Council of \$2,880.14.

AIRPORT PASSENGER NUMBERS

Passenger numbers during June 2022 were 7,308 compared with 5,527 in the same month in 2021.

These figures include passenger numbers from Regional Express, Link Airways (formerly Fly Corporate) and QantasLink.

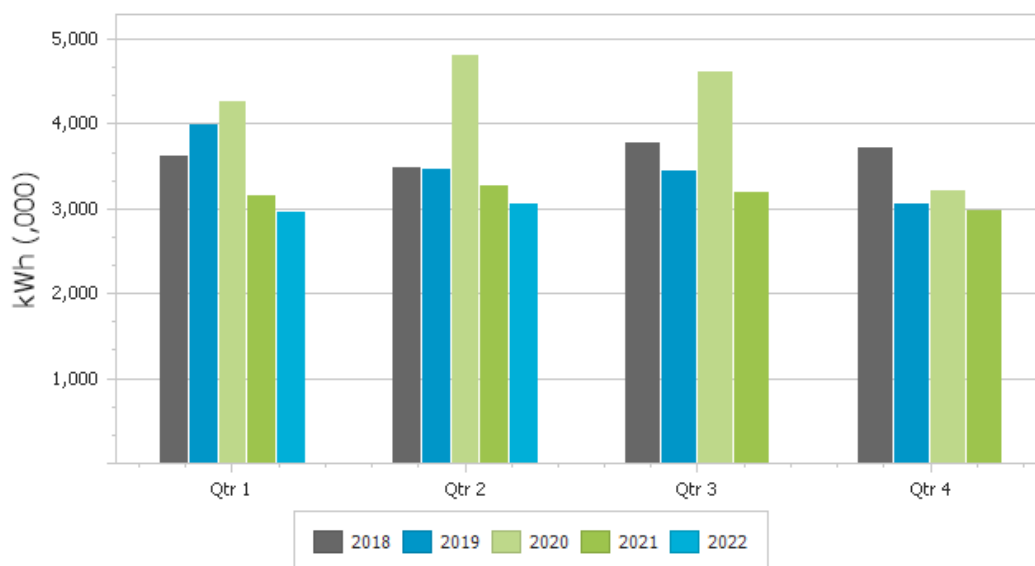


2.1 Current Works

ENERGY USE

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

Consumption History - up to 4 Years Thursday, 21 July 2022 10:43 AM



History - Last 12 Months

GROUP	CONSUMPTION (kWh)	CO2 EMISSIONS(t)	BILL (ex GST)
Parks & Gardens	214,609	182	\$63,236
Water	4,622,094	3,929	\$965,563
Public Buildings & Facilities	2,926,734	2,488	\$666,570
Lighting	1,619,086	1,376	\$462,656
Other	61,268	52	\$19,346
Sewer	4,192,144	3,563	\$810,539
Macquarie Pipeline	17,798	15	\$24,488
Ungrouped	194,285	165	\$65,566
Total	13,848,018	11,771	\$3,077,963