



INFRASTRUCTURE POLICY COMMITTEE

AGENDA

3 MARCH 2020

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 **GLENROI COMMUNITY CENTRE, GAREMA ROAD, ORANGE** on **Tuesday, 3 March 2020**.

David Waddell
CHIEF EXECUTIVE OFFICER

For apologies please contact Administration on 6393 8218.

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: 2020/291

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 Preserve - Construct and maintain a road network meets the community’s transport and infrastructure needs”.

FINANCIAL IMPLICATIONS

Nil

POLICY AND GOVERNANCE IMPLICATIONS

Nil

RECOMMENDATION

That Council resolves to note the report on Current Works.

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

Routine maintenance activities were undertaken across the City.

Road Upgrading

Shiralee Road upgrading

Asphalt surfacing has now been laid on the roadway. Line marking will follow.

Road Rehabilitation

Council’s contractor has undertaken the rehabilitation and sealing of Gorman Road. Line marking of the centre line was undertaken but will need to be revisited by the contractor after quality issues were identified by Council staff.

2.1 Current Works

Road Resealing

Road resealing works were undertaken in:

- Leeds Parade
- Icely Road
- Edward Street
- Sieben Drive

Traffic Facilities

Roundabout at March Street and McLachlan Street

Council staff continued to undertake the relocation of water mains and installation of new stormwater infrastructure at the intersection.

Roundabout at Hill Street, Northern Distributor Road and William Maker Drive

Contractors began work on the realigned Hill Street leg of the roundabout construction. Works included preparation of the site, tree clearing, stripping and stockpiling of topsoil, removal of soft and unsuitable materials and formation and compaction of the new road alignment.



Photo – Hill Street NDR William Maker Drive Roundabout formation

Carpark Expansion at Airport

Council crews began work on expansion of carpark facilities at the Orange Airport.

2.1 Current Works

Concrete and Drainage

Works began on the reconstruction of concrete footpath in Byng Street between Sampson and Clinton Streets. Work was also undertaken to reconstruct a 180m section of footpath in the reserve between McLachlan Street and Spring Street that was badly damaged when fire appliances responded to a grass fire in early January this year.

Linemarking

Contract line marking crews have made multiple visits to Orange when favourable weather has been forecast to undertake works on roads and in car parking areas.

WATER SUPPLY SERVICES

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

Category	July 2018 – June 2019	January 2020
Leaking meters	418	26
Faulty meters (incorrect readings)	148	0
No supply	53	4
Water pressure complaints	32	1
Meter box/lid replacements	52	4
Water quality	38	3
Service break	4	0
Service leak	49	2
Main break	75	6
Main leak	267	31
Valve leak	7	0
Hydrant leak	83	4
Total Water Requests	1226	81

Private Works Orders

- 105 Prince Street – 100mm fire service
- 266 Summer Street – 100mm fire service
- 52 Lords Place – 100mm fire service
- 5 Jade Place – new sewer manhole and sewer connection
- 266 Anson Street – 50mm water connection
- 1 Catania Street – 20mm dual water service
- 11 Platinum Parade – 20mm dual water service.

2.1 Current Works

Construction Works

- March and McLachlan Street roundabout – new 375mm and 150mm water mains completed Friday 21 February 2020.
- Southern Feeder Road water main works – connection to Elgas completed Thursday 20 February 2020.
- Margaret Street bore – to be used for non-potable water for construction purposes. A standpipe will be located in front of Works Depot.
 - Water and Sewer construction team to lay 350m of 100mm diameter pipe
 - Install two additional tanks at Showground.
 - Equip bore.
 - Supply spare transfer pump.
 - Work to commence 24 February 2020 and should take two weeks to complete.

SEWER SERVICES

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

Category	July 2018 – June 2019	January 2020
Sewer blockages	429	33
Odour	14	2
Overflows	176	14
Total Sewer Requests	619	49

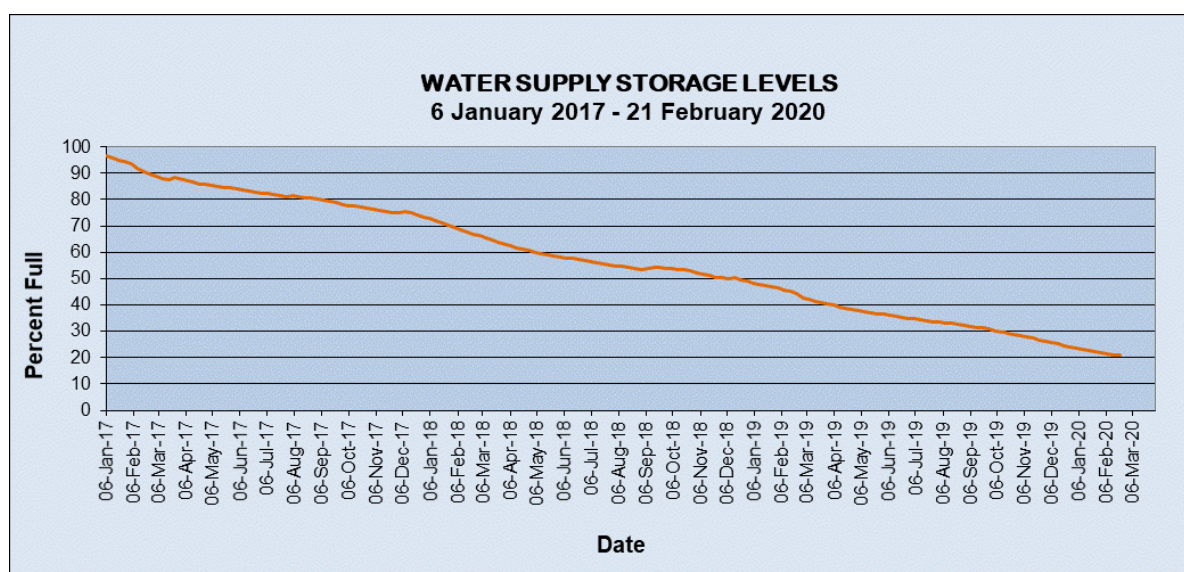
Sewer Construction Works

- Sewer Reconstructions:
 - 243 March Street
 - 32 Icely Road; and
 - 208 McLachlan Street.
- **Sewer Relining Program 2019-20**
 - Interflow has been engaged to deliver the contract under Central NSW Joint Organisation Tender
 - Work will commence on Tuesday 24 February 2020
 - 3,500m of 150mm diameter sewer mains to be relined.

WATER SUPPLY SECURITY**Water Storage Levels**

The combined storage of Suma Park and Spring Creek Dams as at 21 February 2020 is 21.09%. Water storage trends for the combined storages since January 2017 are shown in the graph below.

2.1 Current Works



Location	Level Below Spillway (m)	% of Capacity
Suma Park Dam	14,669	19.17%
Spring Creek Dam	4,317	29.27%
Lake Canobolas	2,129	47.59%
Gosling Creek Dam	2,815	31.27%

Supplementary Raw Water Sources

Extractions from the supplementary raw water supplies in recent months are provided in the table below.

Raw Water Source	November 2019 (ML)	December 2019 (ML)	January 2020 (ML)	Total (ML) 2019/2020
Bores*	12.62	12.41	11.12	91.48
Stormwater	31.48	19.84	62.13	295.10
Macquarie River	0.00	0.00	6.17	18.49
Total	44.10	32.25	79.42	405.07

* Bores include two at Clifton Grove and one at the Showground

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 for the third quarter of 2019/20. Continuing dry conditions require all available supplementary raw water sources to be operated.

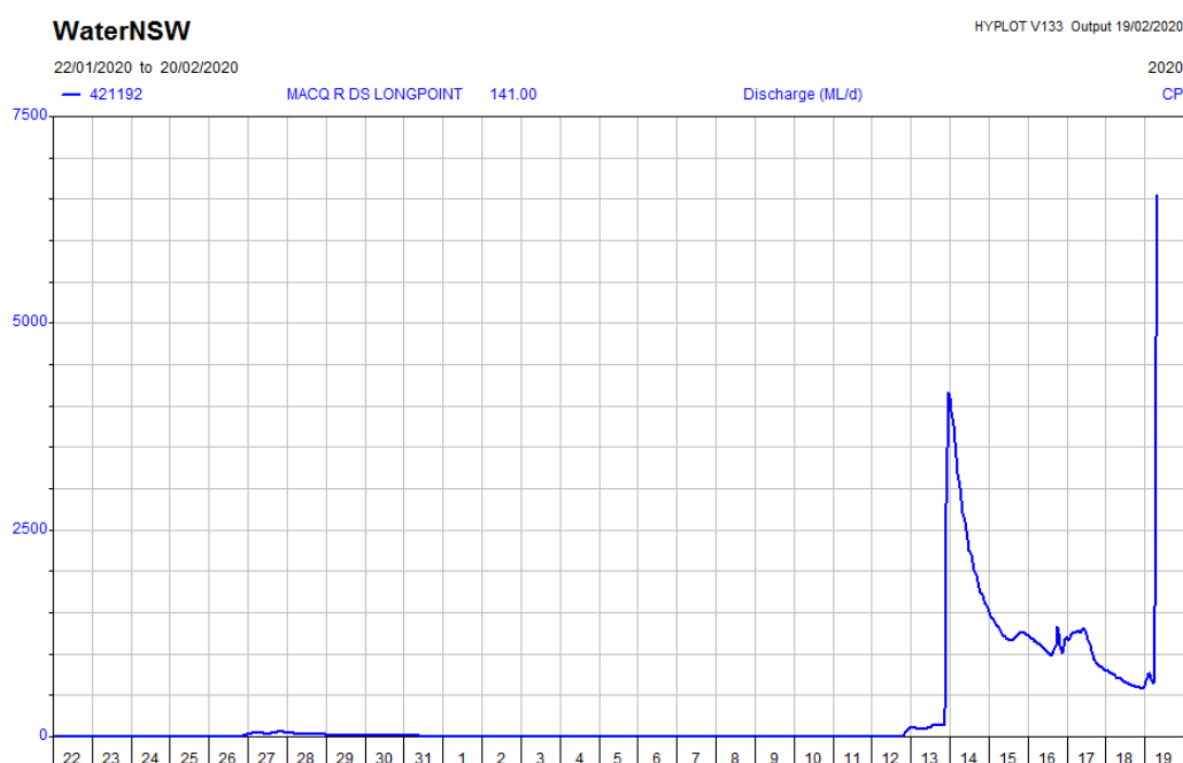
2.1 Current Works

Macquarie River Flows

Council applied for authorisation under the *Water Supply (Critical Needs) Act 2019* to temporarily run the Macquarie River Pipeline at a reduced river flow rate of 38 ML/day. A conditional approval was granted by the NSW Minister for Water, Property and Housing, and became effective 14 January 2020.

The flows in the Macquarie River monitored downstream of Long Point (Station 421192) exceeded the flow rate trigger of 38 ML/d on 27 and 28 January 2020, and again on 12 February 2020 and continues through to the time of writing this report (19 February). The maximum flow rate for the latter period was greater than 6,500 ML/day.

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

**Demand Management***Water Restrictions*

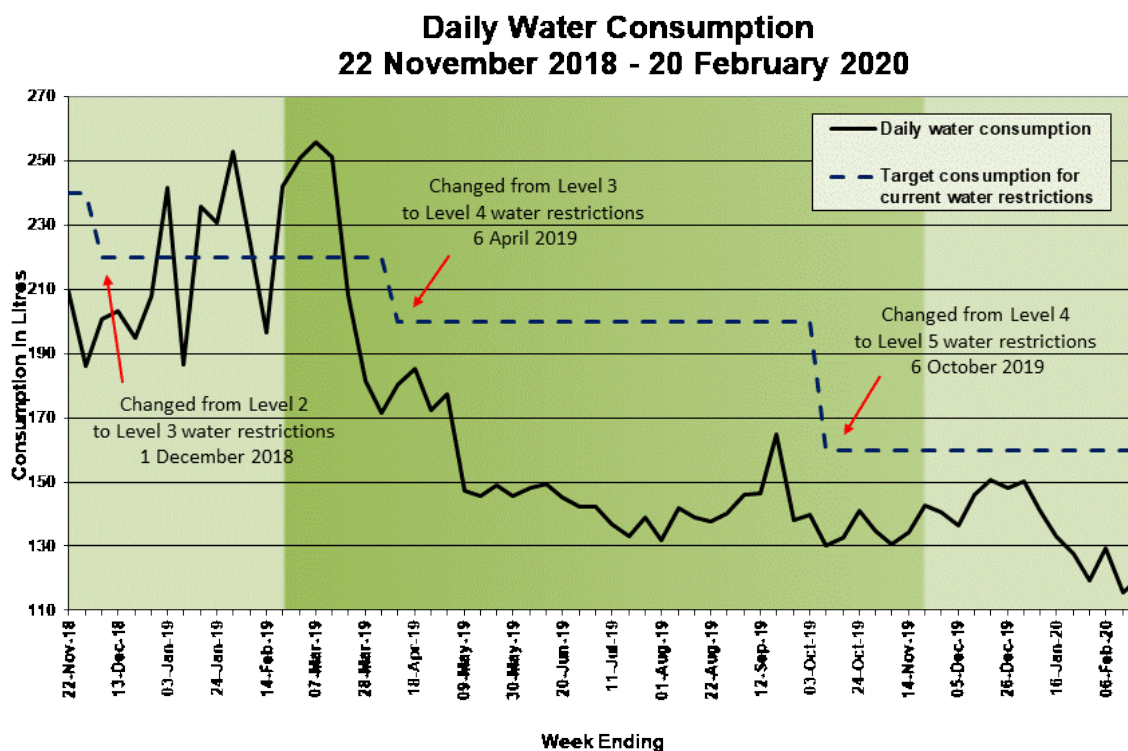
Level 5 water restrictions were introduced on Sunday 6 October 2019.

The Demand Management Team continues to deliver a very successful water conservation program across Orange. Both residential and non-residential strategies are being implemented by this team.

Residential water use

Average daily residential water consumption during the week ending 20 February 2020 was 120 litres per person per day. The target under Level 5 water restrictions is 160 litres per person per day. The graph below shows the average daily residential water consumption trends since November 2018.

2.1 Current Works

*Non-residential water use*

Council staff have completed water audits on 35 of the 88 largest water users in the non-residential sector.

As required under Level 5 Water Restrictions, these businesses will then need to complete Water Savings Action Plans outlining strategies that they will be implementing in order to reduce water use.

Total water use

The average daily city-wide water consumption (all users) for the period between 17 January 2020 and 14 February 2020 was 7.8 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 a NSW Government National Association of Testing Authorities (NATA) accredited laboratory for analysis. Samples collected in January 2020 complied with the Australian Drinking Water Guidelines health targets. A sample collected 20 January 2020 was below the aesthetic guideline limit pH range of 6.5 to 8.5 pH units with a recorded reading of 6.4 pH units. Follow-up sampling at this location was within the guideline range, and all other locations sampled on 20 January were also within range.

SHIRALEE CREEK SEWER

On Monday 17 February contractors, EL Civil Engineering Pty Ltd, commenced work on the Shiralee Creek sewer project. Work commenced with the under-bore of the Orange to Broken Hill railway line which has experienced some delays due to the discovery of an unidentified power conduit. Works are programmed to be completed by 31 June 2020.

SOUTHERN FEEDER ROAD CONSTRUCTION STAGE 2 (SFR2)

Bridge planks were placed over the railway line on 20 February utilising a 300t crane. A photo of one of the girder lift is shown below.



In mid-March it is anticipated that traffic will be directed through the works along Edward Street then back to the Blowes Road, Elsham Avenue intersection to allow a cul-de-sac to be constructed on the northern leg of Elsham Avenue.

This project has experienced a number of issues due to unsuitable ground conditions which have caused delays. It is now anticipated that all work will be completed by mid-year.

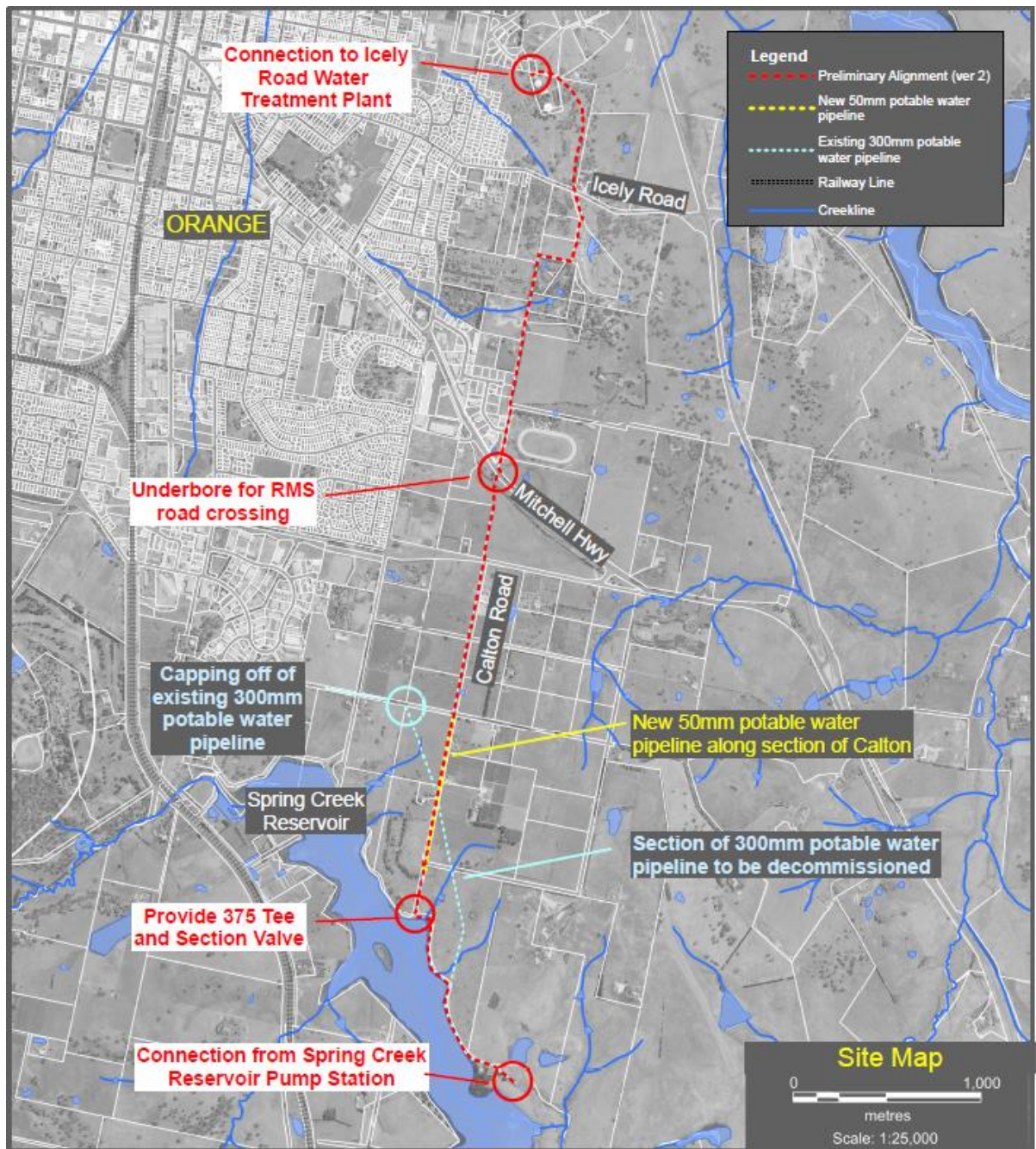
SPRING CREEK TO ICELY ROAD WATER TREATMENT PLANT WATER SECURITY PIPELINE

Council is in the process of finalising the funding deed for this project with the Department of Planning, Industry and Environment (DPIE). As part of the funding deed a business case with milestones acceptable to the DPIE is required. This business case is anticipated being completed in the week beginning 24 February.

Other works on the project to date include:

- Land negotiations (in progress)
- Geotechnical investigation (complete)
- Specification development and tender (complete)
- REF (nearing completion)
- Identification of services (complete).

2.1 Current Works



Based on progress to date it is anticipated that a contract for construction will be entered into by early March with all works being completed by 30 June 2020.

ASTILL DRIVE POUND

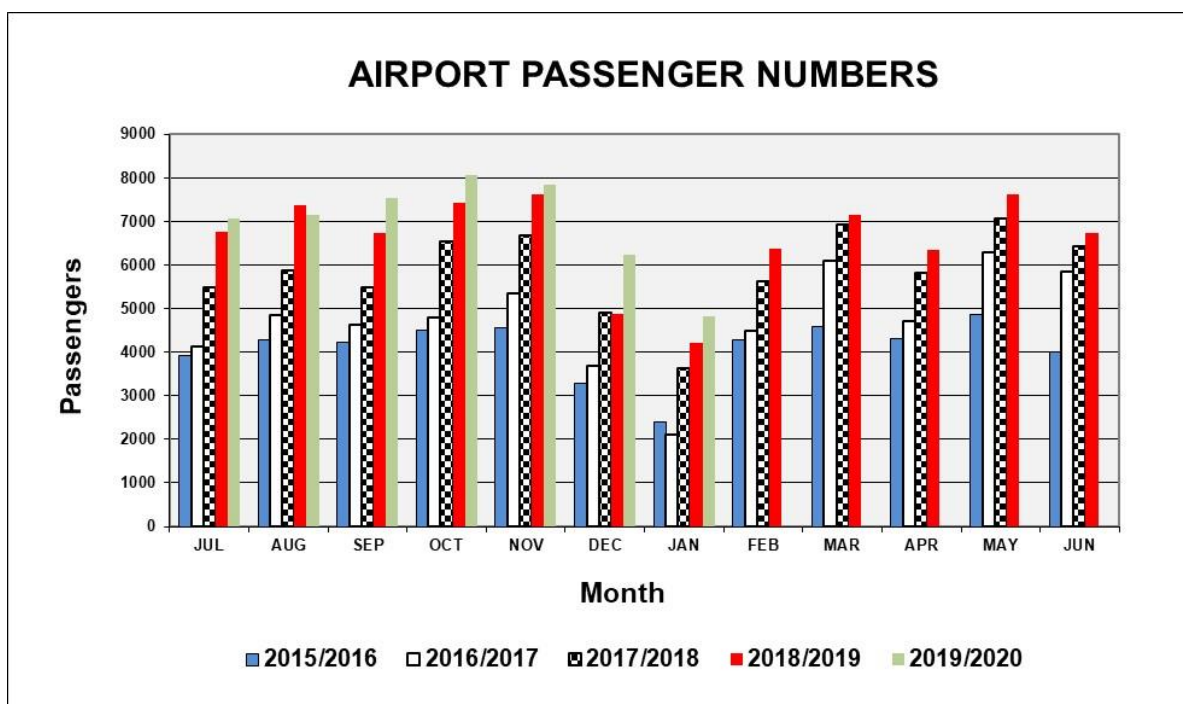
The shed frame was erected early in the New Year and quickly followed by the roof installation. The contractor has recently been working on the retaining walls and slabs at the rear of the building and has now commenced preparation for the building wall cladding. Kennels are currently being installed.

2.1 Current Works



AIRPORT PASSENGER NUMBERS

Passenger numbers for January 2020 were 4,815 compared with 4,218 in the same month in 2019.



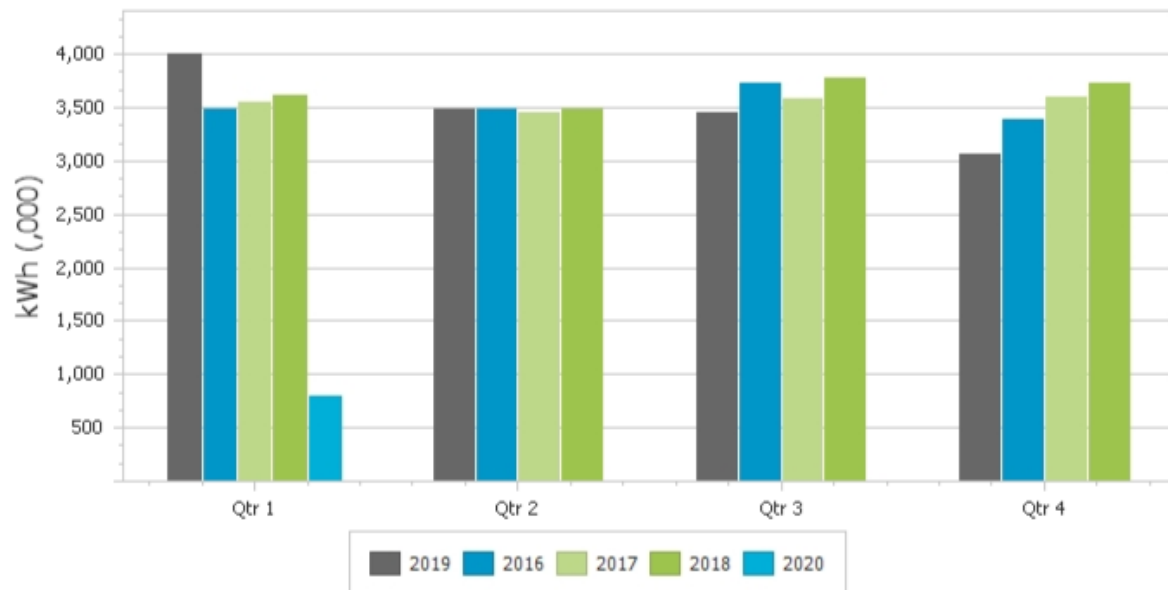
2.1 Current Works

AIRPORT ENERGY USAGE

Information on energy used at the airport during January 2020 is not yet available.

ENERGY USE

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

Consumption History**History Last 12 Months**

Group	Consumption (kWh)	CO2 Emissions (t)	Bill (Ex GST)
Parks & Gardens	172,829	156	\$57,775
Water	4,348,987	3,914	\$909,201
Public Buildings & Facilities	3,299,704	2,970	\$718,654
Lighting	2,643,459	2,379	\$1,088,575
Other	657,689	592	\$190,547
Sewer	3,485,947	3,137	\$669,575
Macquarie Pipeline	136,274	123	\$86,382
Ungrouped	12	0	\$196
Total	14,744,901	13,270	\$3,720,905

Wednesday 19 February 2020