

# What's in the pipeline for the Coolamon region

## Oura High Voltage Upgrade

The Oura Water Treatment Facility produces drinking water for approximately 14,600 people in the Coolamon, Bland, Junee, Narrandera and Temora Shires. This facility is currently undergoing major upgrades and renewals for its High Voltage Electrical assets.

Goldenfields Water have engaged Gouges Construction to perform the civil works as part of the upgrade works. Goldenfields Water staff will then install the newly purchased high voltage assets with the assistance of Schneider, Safegroup and JRC Electrical.

The upgrade will provide a number of benefits to the communities that the scheme provides water to. These include:

- improved reliability of water supply
- provide Goldenfields Water the ability to continue pumping water even if there is no Essential Energy Supply (installation of Generator Connection Points)
- provisions for future water treatment operations to meet the future needs of the growing communities

The civil works upgrade commenced in April and is expected to be completed by October 2021.

Once the civil works are complete, Goldenfields Water will then manage the installation of the new high voltage and low voltage equipment which is expected to be completed by late March 2022.

## Marravale Lane and Strathmore Lane Rural Mains Replacement

Goldenfields Water are currently in the process of obtaining design works for a mains replacement along Marravale and Strathmore Lane.

Due to ageing infrastructure and frequent bursts, Goldenfields Water will replace approximately 6 kilometres of mains on Marravale Lane and approximately 6-8 kilometres on Strathmore Lane.

The design works for this project will be completed by an external consultant and the replacement will be completed by the Goldenfields Water construction team.

Construction work for this project is scheduled to begin in early 2022.

### Office Hours

Monday—Friday  
9am—4.30pm

### Contact

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### Emergencies

T 1800 800 917  
(Available 24/7)

## Investigations into Mt Arthur discoloured water

Goldenfields Water has been undertaking investigations into the ongoing elevation of seasonal discoloured water issues within the Coolamon and Ganmain townships and surrounding areas.

Concerns raised by residents about the increased discoloured water incidents during peak demand periods has led to Goldenfields Water staff recently conducting a study in conjunction with the University of Sydney around the causes and to determine some low-cost solutions.

It was evident from the investigations, that Iron and Manganese deposits within the reticulated system become dislodged and resuspended after low demand periods and dead-end accumulations. To minimise the accumulation of the deposits, an increase in treatment process and technology would be required at significant cost. Another short-term solution is an increase in cleaning technologies, allowing staff greater control in the accumulation of the deposited quantities.

Goldenfields Water is continuously working with the Coolamon and Ganmain communities to ensure all incidents are correctly reported to the office or after hours contact number so that the information can be recorded for long term strategic planning. Goldenfields Water have recently invested into pipeline renewals, augmenting the system to reduce the likelihood of discoloured water and an additional trial of technologies for the cleaning of main pipelines.

Goldenfields Water is committed to providing a long-term solution with minimum impact on customer's water accounts and will continue to investigate the feasibility of further treatment opportunities.



## Matong Bore Upgrades

The bores located on Deepwater Road are a critical asset in supplying water to the southwestern area of the Goldenfields Water scheme. To ensure Goldenfields Water maintains a quality and reliable water source for their customers in this area, a major renewal upgrade project was required.

Matong Bore 2 was recently relined to extend its asset life and new pipework installed to include instantaneous flow reading and pressure and water level monitoring.

It was identified that Matong Bore 1 had reached the end of its asset life and as a result, will be decommissioned.

Goldenfields Water began this major renewal project in 2018 which included a new bore being drilled and an investigation to achieve the required hydraulic demand and water quality. Once this investigation work was completed the bore was redrilled to the required size and a new stainless-steel casing was installed in 2020.

Following this, Goldenfields Water engaged AGE Developments to supply a 'Riserless' bore system. The Riserless System uses a rubber swaging ring which is inflated with water pressure and presses onto the bore casing. The pump and motor are situated underneath this ring and pushes water through the ring into the casing. The pump sits at approximately 36 metres below ground level and is suspended by 6 metres lengths of hanging rods, while using the casing as a pressurised column to bring water to the surface. The pump was installed on the 18th of August and will be commissioned by the end of 2021.



Goldenfields Water Board  
Member for Coolamon  
Shire Council

**Cr David McCann –  
Deputy Chairperson**

## Ardlethan Urban Mains Renewals

Goldenfields Water recently replaced several water mains in the Ardlethan township to help reduce the number of discoloured water incidents and interruptions customers experience when water is shut off for maintenance.

Goldenfields Water staff removed two dead ends in Redmond and Fisher Street, making it a reticulated system. Several valve upgrades were also completed around the local school to assist the towns water supply.