



## Control System Upgrade

Based on the new Water Delivery Performance reporting in Talking Water each week, which highlights customers who have been materially impacted, this edition focuses on the work to upgrade the channel control system and improve performance to minimise those occurrences. A key milestone to be achieved this week, in the control system upgrade, is the integration of the control of regulators, outlets and alarms into a single software system.

### How does the control system operate?

The water delivery network is managed each 12-hour cycle by operators who confirm the field status of outlets and regulators, prior to executing the software calculations of an operational area. Once the confirmation has occurred, the offtakes, regulators, and outlets receive an instruction to move in the field.

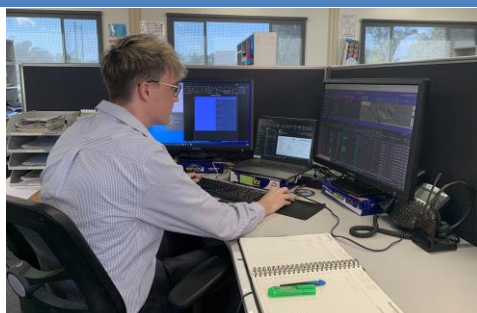
This verification process commences at an outlet's standard operating time and typically takes less than 30 minutes, as shown in the diagram on the next page. If your outlet has not responded to the system instructions within 20 minutes the upgraded alarm system will notify operators, who will contact you in these unexpected circumstances.

### What does this mean for you?

- Automated outlets will continue to be operated on 12-hour cycles.
- Each outlet has a standard operating time as listed on the Outlets page of your Customer Portal.
- Starts, finishes & changes will now typically happen within 30 minutes of this operating time.
- If your outlet is not operating as expected outside this 30-minute operational window, please contact Customer Operations.

### Why are we upgrading the control system?

Our aim is to find and fix any issues before you notice an impact on the



timely and in full delivery of your water. To do this, a robust, industry standard single control system managed in a live control room environment is required.

Work is currently underway to migrate the operation of the control system to a control room environment monitored 24 hours, 7 days per week from January 2022.

These improvements should see:

- A reduction in channel operating height fluctuations
- Greater vision for operators over the live environment of your channel and your operating order
- Continued development of early warning alarms for infrastructure not performing as intended

### More information?

We will continue to report the impact on water delivery performance each week in Talking Water.

If you have more questions on the operations of the control system, please call Customer Operations, or see our previous Talking Water on the upgrade [here](#). *Continued next page.*

## Announced allocation

Class C General Security.....	110%
Allocation Advance.....	8%
Water resource distribution .....	3%

## Water availability and deliveries\*

(07/12/2021)

Supplementary Licence.....	121,704 units
Supplementary Diversions.....	121,704 ML
Supplementary Deliveries.....	94,726 ML
YTD deliveries.....	303,176 ML
Customers.....	261,216 ML
DPIE Deliveries .....	41,960 ML
WaterNSW Deliveries.....	0 ML
Weekly Deliveries.....	18,597 ML
Weekly crop usage.....(Rice) 85%	
Customer account balance.....	755,571 ML
WE in customer accounts.....	809,224 WE
Vol. % remaining.....	93.4%

\*Provisional data

## Channel flows today\*

Wakool Offtake.....	1,300 ML
Mulwala Offtake .....	2,500 ML
Billabong Escape.....	0 ML
Edward River Escape.....	520 ML
Perricoota Escape .....	0 ML
Wakool River Escape .....	112 ML

\*Includes DPIE Deliveries

## Water trade data

Net trade week.....	1,697 ML
Net trade YTD.....	23,446 ML

## Water exchange data

(06/12/2021)

Internal listings (No. & ML).....	11; 1,726 ML
External listings (No. & ML).....	0; 0 ML
Int. purchasers (No. & ML).....	21; 1,363ML
Ext purchasers (No. & ML).....	0; 0 ML

Water for sale @ 06/12/21.....	15,538 ML
Weighted average sale price.....	\$62.00
Price range @ 30/11/21.....	\$62 - \$250
Buy offer range @ 30/11/21.....	\$61.5 - \$48

## Storages\*

mdba.gov.au	
Dartmouth .....	3,329 GL ↑ ..... 86 % ↑
Hume .....	2,952 GL ↑ ..... 99 % ↑
Lake Victoria .....	602 GL ↓ ..... 92 % ↓
Menindee Lakes.....	1,857 GL ↓ ... 100 % ↓
Total Storage.....	8,740 GL ↓ ..... 94 % ↓

## Rivers\*

Murray @ Doctors Point .....	14,931 ML/d
Murray d/s Yarra. Weir .....	23,034 ML/d
Goulburn @ McCoy Bridge.....	1,129 ML/d
M'Bigdee d/s Balranald.....	9,043 ML/d
Darling @ Burtundy.....	2,852 ML/d
Flow to SA.....	26,830 ML/d
Murray to the sea .....	60 gates open

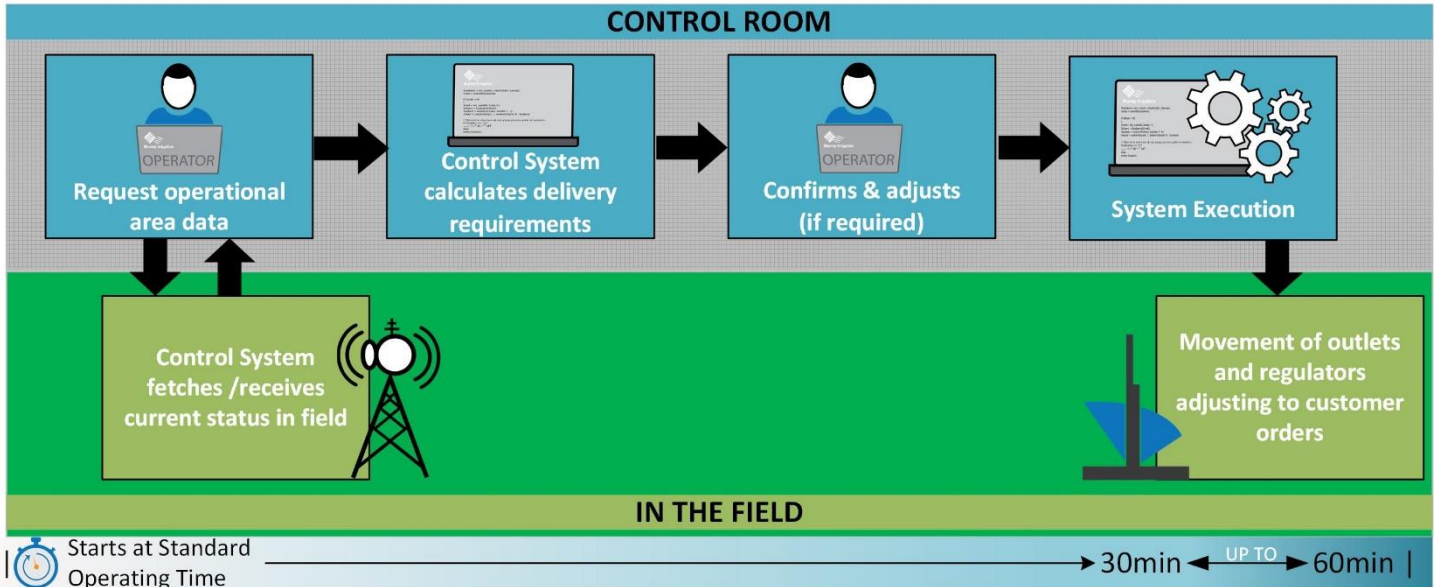
\*This information is provided for general reference purposes only. We take best endeavours to ensure accuracy. This data was correct as at 10am, Tuesday, 7 December 2021

## Resource links

- [MDBA weekly report](#)
- [NSW Water allocation statements](#)
- [Rainfall and evaporation](#)
- [Barmah Choke trade balance](#)



## Control System operating process



## OTHER NEWS

### System Outage

Murray Irrigation's customer portal, water exchange and water ordering system will be offline 4.00 – 6.00pm Thursday 9 December to enable an external provider

to implement a system upgrade. Phone support will still be available. We apologise for any inconvenience this may cause.

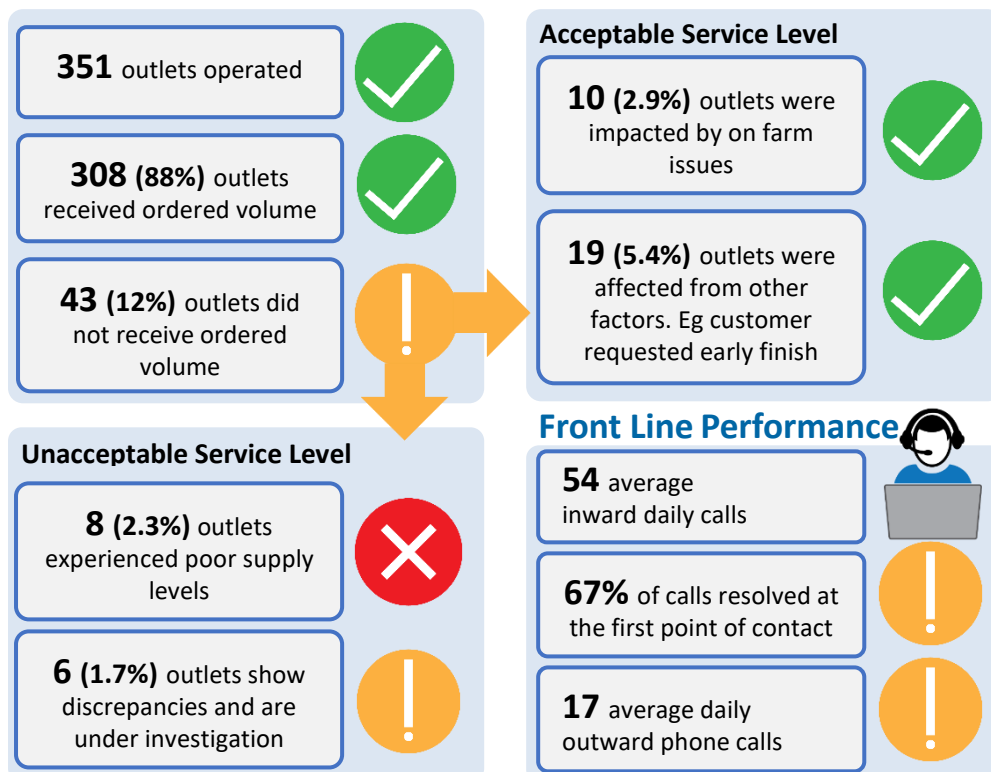
### Edward/Kolety – Wakool Rivers update

Water for the environment is being

delivered in partnership with Murray Irrigation to create safe zones of fresh water for native fish, crayfish and other aquatic animals.

Flows are currently underway from the Wakool, Edward and Neimur escapes. You can contact Local Engagement Officer Anthony Wilson on Mobile 0419 188 430 or read more [here](#).

## Water Delivery Performance For the period 30/11 - 07/12/2021



### Invoices

Reminder September quarter invoices are now overdue. To discuss payment arrangement options call T 1300 138 265

