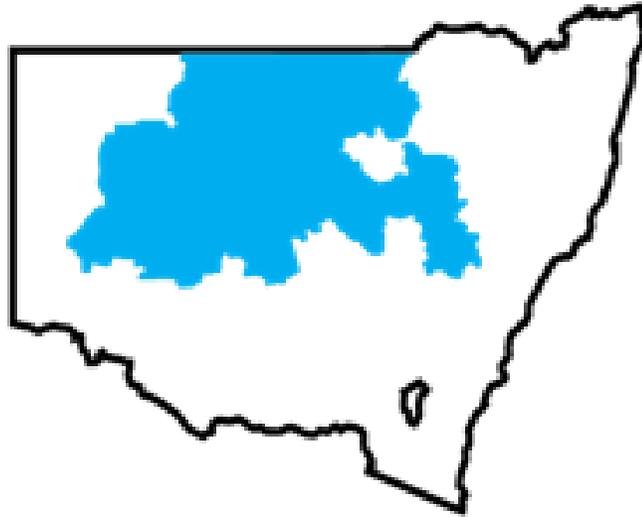


About the Western Councils Water Alliance



**Bogan,
Bourke,
Brewarrina,
Central
Darling, Cobar,
Coonamble,
Dubbo,
Gilgandra,
Mid-Western,
Narromine,
Walgett,
Warren,
Warrumbungle**



Proudly Aligned with the Alliance of Western Councils **Our Mission**

We leverage close-knit collaboration to provide progressive powerful water leadership for our member Councils.

Our Vision

The enduring provision of safe and reliable water services , enabling communities, industry and the environment to thrive

- We provide technical support and advocate to government on behalf of 13 Council Water Utilities in Western NSW

Our member councils:

Serve 105 thousand people in regional NSW communities

Cover 246,000+ km²

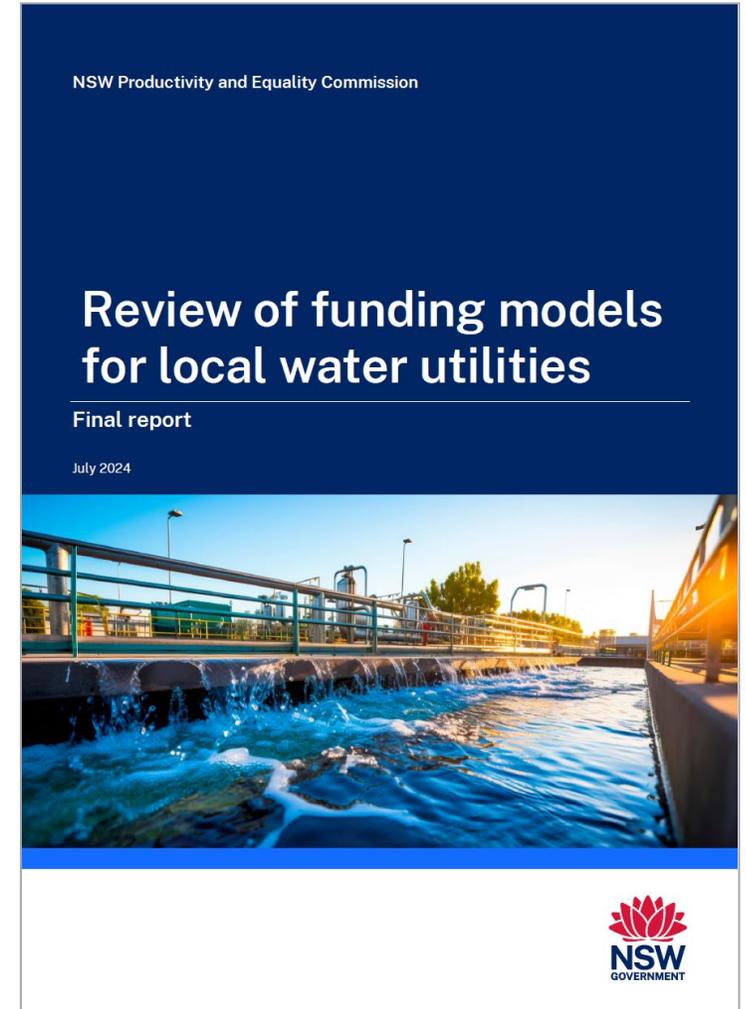
43 Thousand + Water Connections



Water Alliance

Response to PEC Report

- ▶ Available at:
<https://www.productivity.nsw.gov.au/local-water-utilities-funding-models-review>
- ▶ Section 9 devoted to Western Councils
- ▶ Relevant matters:
 - ▶ Water Security for Critical Human Needs
 - ▶ Community Service Obligation (CSO)
 - ▶ Outcomes Based Solutions



NSW PEC Final Report

Industry and Government Response

What are the Challenges & Risks to Success

- Water Security for Critical Human Needs
- Reduction of red tape
- **Myths relating to regional capability including workforce development**
- Undelivered projects essential to deliver basic levels of service

What is Our Vision for Success

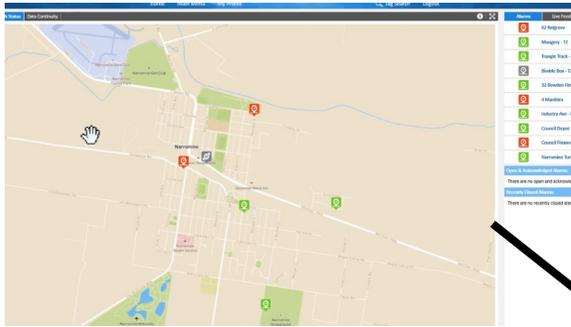
- Fit for Purpose Water Strategies
- Co Design with Government of outcomes-based solutions
- Alternative funding models
- Fit for purpose asset management
- **Continuation and expansion of existing successful programs:**
- **Digitisation and Artificial Intelligence**

Solutions



SMART METERS & IoT

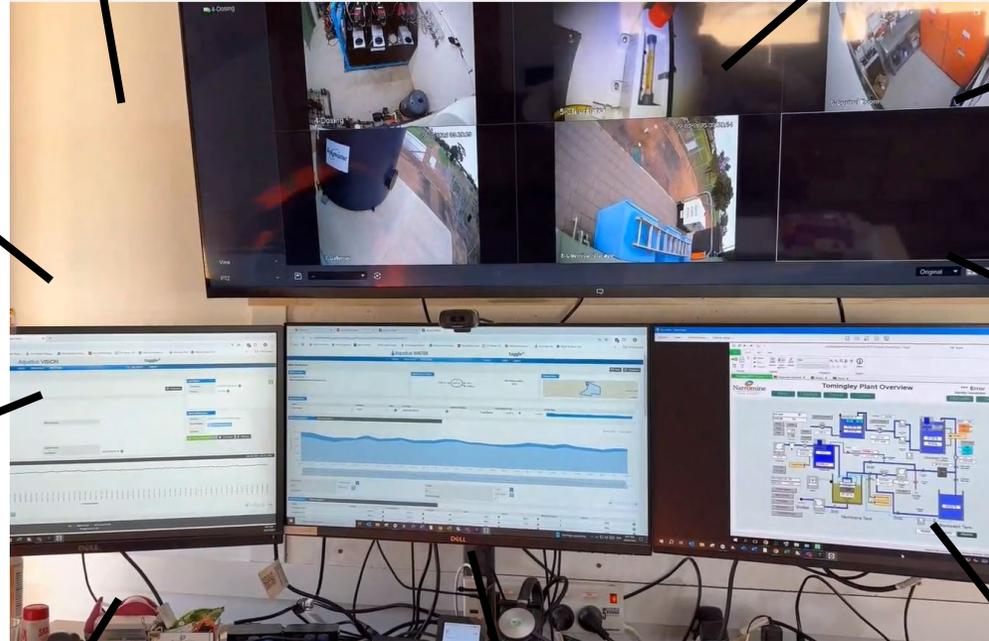
HEADSETS



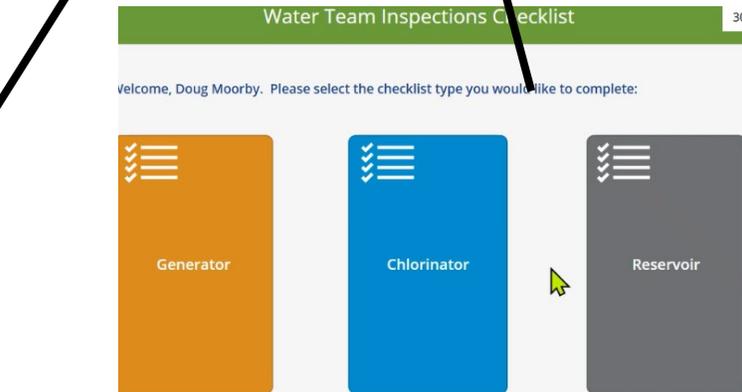
GIS



CCTV



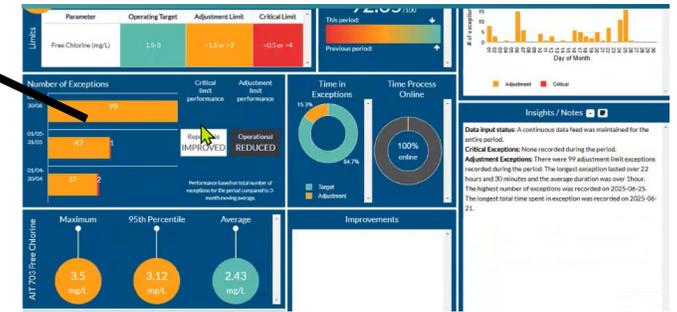
SCADA/IIoT Integration



MOBILE APP - ASSET MAINTENANCE



DASHBOARD



DASHBOARD

Narramine Shire Council - Haldon Industries Joint Venture Iron and Manganese Removal System Validation Data

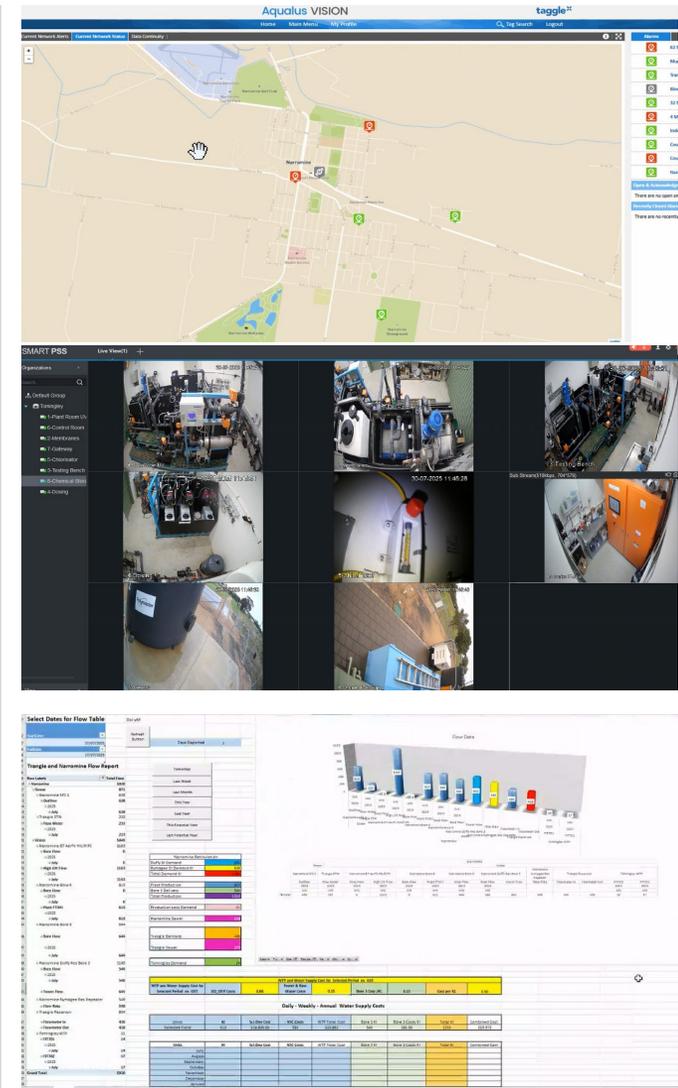
Date	Volume Treated in kilolitres	Turbidity			Total Iron (mg/L)			pH			Total Manganese (mg/L)			Dissolved Iron (mg/L)			Dissolved Manganese (mg/L)			Total Hardness CaCo3		
		SP1	SP2	SP3	SP1	SP2	SP3	SP1	SP2	SP3	SP1	SP2	SP3	SP1	SP2	SP3	SP1	SP2	SP3			
24/04/2025	1881	0.94	0.14	0.11	0	7	7.25	0.125	0.033	0.03	0	0.109	0.017	178	162							
27/04/2025	1881	1.02	0.21	0.11	0	7	7.26	0.191	0.026	0.03	0	0.169	0.014	160	149							
28/04/2025	1881																					
29/04/2025	1881	1.08	0.13	0.14	0.02	4.97	7.18	0.165	0.052	0.04	0	0.158	0.025	179	156							
30/04/2025	1881	1.09	0.22	0.06	0.02	6.99	7.19	0.142	0.031	0.01	0	0.151	0.029	164	163							
1/05/2025	1881	1.08	0.19	0.14	0.01	6.91	7.18	0.141	0.039	0.04	0	0.141	0.039	164	163							
3/07/2025	1197	1.27	0.19	0.14	0.01	6.98	7.2	0.153	0.021	0.04	0											
4/07/2025	737	0.69	0.17	0.09	0	6.95	7.17	0.164	0.035	0.02	0											
4/07/2025	1881																					
4/07/2025	1881	4.18	0.22	0.09	0.01	6.91	7.07	0.154	0.033	0.04	0											
6/07/2025	884	3.41	0.23	0.08	0.07	7.03	7.32	0.087	0.035	0.03	0.03											
9/07/2025	9	0.48	0.26	0.07	0.01	6.91	7.46	0.102	0.026	0	0	0.093	0.024	167	155							
10/07/2025	196	0.43	0.34	0.11	0.01	7.15	7.15	0.025	0.046	0.03	0	0.022	0.025	170	152							
11/07/2025	686	0.42	0.36	0.16	0.04	7.05	7.15	0.042	0.057	0.05	0	0.035	0.04	170	150							
13/07/2025	481																					
13/07/2025	1881	4.18	0.22	0.09	0.01	6.91	7.07	0.154	0.033	0.04	0											
14/07/2025	517	0.78	0.34	0.13	0.02	7.02	7.15	0.038	0.029	0.03	0	0.035	0.026	168	152							
15/07/2025	489	0.37	0.11	0.01	0.02	6.99	7.3	0.038	0.028	0	0	0.03	0.021	184	154							
16/07/2025	582	0.29	0.17	0.1	0.01	7.02	7.87	0.078	0.038	0.11	0	0.045	0.034	182	150							
17/07/2025	526	0.28	0.16	0.12	0.02	6.94	7.4	0.038	0.023	0.04	0	0.032	0.016	176	154							
18/07/2025	324	0.25	0.09	0.1	0.01	7.01	6.94	0.039	0.022	0.09	0	0.032	0.018	174	172							
19/07/2025	484																					
20/07/2025	327																					
21/07/2025	489	0.39	0.16	0.11	0.01	7.04	7.34	0.058	0.022	0.05	0	0.048	0.017	174	172							
22/07/2025	308	0.38	0.38	0.11	0	6.99	7.29	0.091	0.035	0.03	0	0.043	0.039									
23/07/2025	488	1.98	0.17	0.09	0	7.01	6.81	0.042	0.022	0.02	0	0.032	0.021									
24/07/2025	933	1.48	0.21	0.08	0.01	7.1	7.1	0.151	0.034	0.02	0	0.147	0.022									
25/07/2025	1881	0.72	0.30	0.11	0.01	7.09	7.33	0.151	0.046	0.06	0	0.138	0.025									
26/07/2025	686																					
27/07/2025	917																					

DATA REPORT

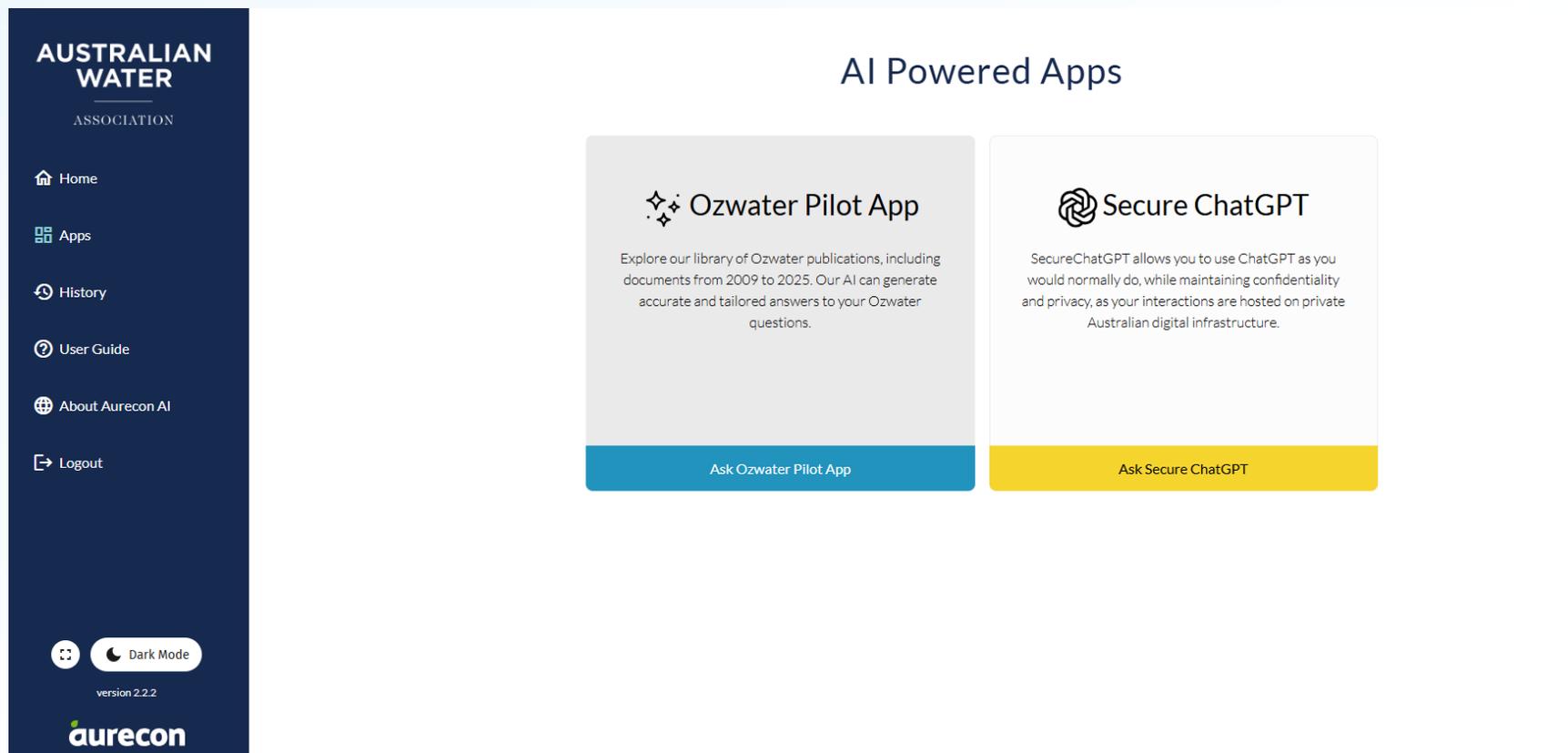
Outcome – Digital Ready Utility Digital



- Smart meters installed over three years by internal staff
 - Reduction in non-revenue water (e.g., 12% in one DMA).
 - Improved billing accuracy and revenue.
- SCADA system upgraded and integrated with IoT.
 - Enhanced **operational visibility** and response times.
 - **Improved safety**: real-time monitoring and automated alerts
- PowerApps developed for daily checks and **service logs**.
 - Make use of existing platforms - SharePoint used for **data warehousing, reporting, workflow digitisation**.
 - Reduced work time for reporting & managing Inspections
- **Dashboards** for real time asset management
- Realwear headsets used for **remote audits, troubleshooting and training**.



What's Next You Ask ?



AUSTRALIAN WATER
ASSOCIATION

- Home
- Apps
- History
- User Guide
- About Aurecon AI
- Logout

Dark Mode
version 2.2.2
aurecon

AI Powered Apps

🌟 Ozwater Pilot App

Explore our library of Ozwater publications, including documents from 2009 to 2025. Our AI can generate accurate and tailored answers to your Ozwater questions.

Ask Ozwater Pilot App

🌀 Secure ChatGPT

SecureChatGPT allows you to use ChatGPT as you would normally do, while maintaining confidentiality and privacy, as your interactions are hosted on private Australian digital infrastructure.

Ask Secure ChatGPT