altogether.

Water Quality Annual Stakeholder Report

Altogether Group

In the spirit of reconciliation Altogether acknowledges the Traditional Custodians of country throughout Australia and their connections to land, place, waters, and community. We pay our respect to their Elders past and present and extend that respect to all.

This year we continued our mission to empower communities to thrive, helping them on their unique journeys to become self-reliant and sustainable. In this report, we're proud to share some of the highlights from the past financial year that we achieved together.

A year of growth for our water communities.

I am thrilled to share that we connected a record number of new customers over the twelve-month period in our communities. Our dedicated team members completed an impressive 40% more new connections to our water network compared to last year. And we are currently on track for another record year, which underscores the strong demand for our services and the trust our communities place in us.

Investing in the future.

Increased growth requires a renewed focus on operational efficiency and planning. At Huntlee, we completed the installation and commissioning of another Membrane Bioreactor (MBR) filtration cell. This upgrade increases the capacity of the Huntlee Local Water Centre by 50%, bringing the total number of MBR units in operation across all our communities to 12.

We also kicked off design for a new water centre which will support the Box Hill community as it continues to grow. Once completed, the 'super-sized' new centre will have capacity to service around 2 Megalitres of wastewater each day (bringing the scheme's total servicing capacity to 3 Megalitres of wastewater each day.)

These enhancements not only reflect our commitment to investing in technology to improve water quality but also positions us for sustainable growth in the future.

Testing our resilience and resourcefulness.

In April, we faced a brief but intense storm that broke records for daily rainfall at Box Hill and Pitt Town, according to the Bureau of Meteorology. This tested our operating protocols for 'Storm Mode" and I am proud to say we have learnt the lessons from the past and have an experienced team making sure essential services have minimal disruption.

Our team's preparedness and effective use of the storm protocols underpins resilience for our communities.

Sharing knowledge to help future generations.

At Central Park, we welcomed international and local visitors to tour the world's largest recycled water plant in the basement of a residential high-rise. This included delegates from Cambodia and Indonesia, as well as local university students.

By sharing our experience and expertise, we hope to demystify the recycled water process and promote a sustainable model for private water utilities globally.

Finally, we are excited to share we have begun feasibility studies on the local re-use of biosolids at our land & housing Schemes, something that has major potential sustainability benefits. It is early days still, but an exciting initiative that talks to many of our core values, and I look forward to sharing more information on this soon.

Thanks,

Terry Leckie

Water production

934 megalitres of recycled water
was provided to **9,881 connected properties**

This is equivalent to saving over 200 million toilet flushes worth of drinking water

790 megalitres of drinking water
was provided to **8,021 connected properties**

714 new properties were connected to our services

Important stats

6 operational treatment plants

15 operational storage reservoirs

Contents

1. About us

Altogether Group (Altogether) is a multi-utility service provider on a mission to make the world a brighter place.

We supply a combination of services that include drinking water, recycled water and wastewater services to 9,881 customers in the Sydney and Hunter regions of NSW.

With simple and sustainable water, power and data services, we work together with developers and communities to make a better future for everyone.

We operate from within a community to capture and preserve water for the community. We embed efficient use of water through smart design and local utility policy.

1.1 Our values

- A better tomorrow
- Forge our own path
- Never say never
- Keep it local
- Make difficult seem simple

1.2 Governance

Altogether is an alternate water utility licensed under the *Water Industry Competition Act 2006* (NSW) (WICA) and *Water Industry Competition (General) Regulations 2021* (NSW).

We are regulated by the Independent Pricing and Regulatory Tribunal (IPART) and as at end June 2024 hold two types of licences:

- 7 x Network Operator's Licences for 6 operational schemes and one scheme under development
- 1 x Retail Supplier's Licence

Under the requirements of these licences we are required to undertake immediate and annual non-compliance reporting to IPART, as well as submit annual performance reports.

We are also required to have and maintain a Drinking Water Quality Plan (DWQP) and Recycled Water Quality Plan (RWQP) which meets the requirements of the:

- Framework for Management of Drinking Water Quality: Australian Drinking Water Guidelines (ADWG)
- Framework for Management of Recycled Water Quality and Use:
    - Australian Guidelines for Water Recycling: Managing Health and Environmental Risks (Phase 1) (2006) (AGWR 2006))

Additionally, we frequently consult with NSW Health as required under our licences.

At the communities where we supply drinking water, we purchase drinking water from licensed public water utilities under a Utility Services Agreement (USA). The USA commits the public water utility to

supplying the drinking water to us at the same quality and service as for any other customer under their licences and regulatory requirements.

2. Report purpose

This annual water quality stakeholder report provides information on our performance during the reporting year 1 July 2023 to 30 June 2024, with respect to guidance provided in the Australian Drinking Water Guidelines (2011) and the Australian Guidelines for Water Recycling (2006).

We encourage you to contact us and provide feedback.

3. Scheme summary

Altogether supplied drinking and recycled water and wastewater services to 7 separate communities (Fig. 1).

These consist of three high rise developments in Sydney:

- Central Park
- Discovery Point
- Shepherds Bay

and four land housing developments:

- Box Hill – Western Sydney
- Pitt Town – Western Sydney
- Cooranbong – Hunter Region
- Huntlee – Hunter Region

licensed to provide the following services:

COMMUNITY	NETWORK OPERATOR'S LICENCE	SEWAGE	RECYCLED WATER	DRINKING WATER
Central Park	12_022	✓	✓	✓
Discovery Point	13_025	✓	✓	✓
Shepherds Bay	17_042	✓	✓	✓
Box Hill	16_037	✓	✓	
Pitt Town	10_014	✓	✓	
Cooranbong	15_033	✓	✓	✓
Huntlee	15_030	✓	✓	✓

WICA licences and the WICA Licence Register are available on IPART's website. Tables 1 to 7 summarise each scheme.

Figure 1 Altogether community locations

3.1 Central Park

Table 1. Summary of Central Park recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	• Sewage from residential dwellings and retail connections (including trade waste) within the Central Park precinct. • Sewage mined from Sydney Water trunk main • Rainwater collected from roof structures in the Central Park precinct.
	Treatment plant/s	Central Park Local Water Centre
	Treatment processes	Inlet Screening, Membrane Bioreactor, UV Disinfection, Chlorination, Reverse Osmosis
	Treatment capacity (kL/day)	650
	Connections	2,392
	Upgrades or system changes in the reporting year	Nil
Drinking water	Water source	Bulk drinking water is sourced from Sydney Water Corporation's (SWC's) drinking water network under the arrangements of a Utility Services Agreement between Altogether Group and SWC. There are nine bulk drinking water supply connection points to the precinct from the SWC network.
	Treatment plant/s and processes	N/A
	Nature of supply	Potable water is supplied for residential and commercial use
	Connections	2,392
	Upgrades or system changes in the reporting year	Nil

3.2 Discovery Point

Table 2. Summary of Discovery Point recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	Sewage from residential dwellings and retail connections (including trade waste)
	Treatment plant/s	Discovery Point Local Water Centre
	Treatment processes	Inlet Screening, Membrane Bioreactor, UV Disinfection, Chlorination, Reverse Osmosis
	Treatment capacity (kL/day)	300
	Connections	1,655
	Upgrades or system changes in the reporting year	Nil
Drinking water	Water source	Bulk drinking water is sourced from SWC's drinking water network under the arrangements of a Utility Services Agreement between Altogether Group and SWC.
	Treatment plant/s and processes	N/A
	Nature of supply	Potable water is supplied for residential and commercial use
	Connections	1655
	Upgrades or system changes in the reporting year	Nil

3.3 Shepherds Bay

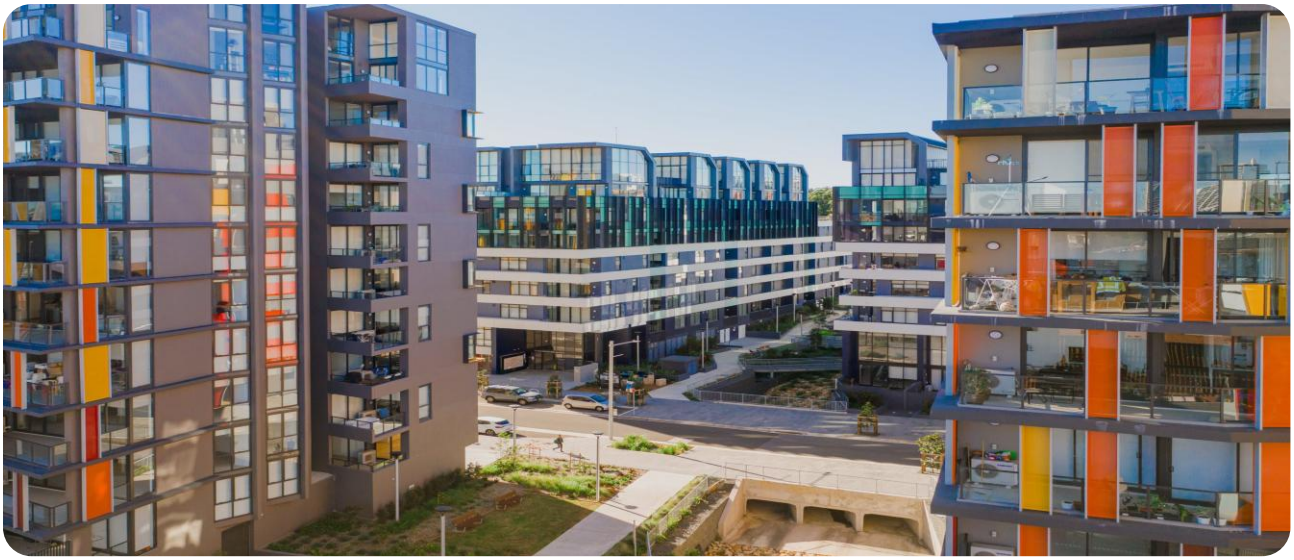

Table 3. Summary of Shepherds Bay recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	Sewage from residential dwellings and retail connections (including trade waste) collected and bypassed to SWC sewerage network. Treated drinking water charged into the recycled water reticulation network via a temporary cross-connection. Treated drinking water provided by SWC.
	Treatment plant/s	Nil
	Treatment processes	No recycled water produced on site.
	Treatment capacity (ML/day)	Nil
	Connections	1,756
	Upgrades or system changes in the reporting year	Nil
Drinking water	Water source	Bulk drinking water is sourced from SWC's drinking water network under the arrangements of a Utility Services Agreement between Altogether Group and SWC.
	Treatment plant/s and processes	N/A
	Nature of supply	Potable water is supplied for residential and commercial use
	Connections	1756
	Upgrades or system changes in the reporting year	Nil

3.4 Box Hill

Table 4. Summary of Box Hill recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	Sewage from residential dwellings within the Gables development
	Treatment plant/s	Box Hill Local Water Centre
	Treatment processes	Inlet Screening, Membrane Bioreactor, UV Disinfection, Chlorination
	Treatment capacity (kL/day)	1,100
	Connections	1,591
	Upgrades or system changes in the reporting year	Nil
Drinking water	N/A	

3.5 Pitt Town

Table 5. Summary of Pitt Town recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	Sewage from residential dwellings and retail connections
	Treatment plant/s	Pitt Town Local Water Centre
	Treatment processes	Inlet Screening, Membrane Bioreactor, UV Disinfection, Chlorination
	Treatment capacity (kL/day)	600
	Connections	637
	Upgrades or system changes in the reporting year	Nil
Drinking water	N/A	

3.6 Cooranbong

Table 6. Summary of Cooranbong recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	Sewage from residential dwellings
	Treatment plant/s	Cooranbong Local Water Centre
	Treatment processes	Inlet Screening, Membrane Bioreactor, UV Disinfection, Chlorination
	Treatment capacity (kL/day)	500
	Connections	601
	Upgrades or system changes in the reporting year	Nil
Drinking water	Water source	Bulk drinking water is sourced from Hunter Water Corporation's (HWC) drinking water network at the boundary of the development under the arrangements of a Utility Services Agreement between Altogether Group and Hunter Water.
	Treatment plant/s and processes	N/A
	Nature of supply	Potable water is supplied for residential and commercial use.
	Connections	653
	Upgrades or system changes in the reporting year	Nil

3.7 Huntlee

Table 7. Summary of Huntlee recycled water and drinking water system

WATER SUPPLY SYSTEM	ITEM	DETAIL
Recycled water	Water source	Sewage from residential dwellings and retail connections (including trade waste)
	Treatment plant/s	Huntlee Local Water Centre
	Treatment processes	Inlet Screening, Membrane Bioreactor, UV Disinfection, Chlorination
	Treatment capacity (kL/day)	675
	Connections	1,223
	Upgrades or system changes in the reporting year	Installation and commissioning of third membrane filtration cell increasing wastewater treatment capacity by 50%
Drinking water	Water source	Bulk drinking water is sourced from HWC's drinking water network at the boundary of the development under the arrangements of a Utility Services Agreement between Altogether Group and HWC.
	Treatment plant/s and processes	N/A
	Nature of supply	Potable water is supplied for residential and commercial use.
	Connections	1,303
	Upgrades or system changes in the reporting year	Construction of new drinking water reservoirs is underway and due for completion in next reporting period.

4. Critical Control Points

4.1 Summary of critical control points

Altogether identifies a number of Critical Control Points (CCPs) through the recycled water and drinking water treatment plants and networks as guided by the ADWG/ AGWR. The critical points for each scheme are shown in tables 8 to 13.

4.1.1 Central Park

Table 8. Central Park CCP Critical Limits

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Recycled water	1	Ultrafiltration (MBR)	Turbidity (NTU)	✓
	2	UV Disinfection	Flow (L/s)	✓
			UV Transmittance (UVT - %)	✓
			UV Dose (mJ/cm^2)	✓
	3	Chlorine disinfection	Chlorine Concentration Time Factor (CT – mg.min/L)	✓
			pH	✓
			Temperature (°C)	✓
	4	Recycled Water Distribution System Storage Tanks	Storage Tank Integrity	✓
Drinking water	N/A			

4.1.2 Discovery Point

Table 9. Discovery Point CCP Critical Limits

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Recycled water	1	Ultrafiltration (MBR)	Turbidity (NTU)	✓
	2	UV Disinfection	Flow (L/s)	✓
			UV Transmittance (UVT - %)	✓
			UV Dose (mJ/cm^2)	✓
	3	Chlorine disinfection	Chlorine Concentration Time Factor (CT – mg.min/L)	✓
	4	Recycled Water Distribution System Storage Tanks	Storage Tank Integrity	✓

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Drinking water	N/A			

4.1.4 Shepherds Bay

Nil

4.1.5 Box Hill

Table 10. Box Hill CCP Critical Limits

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Recycled water	1	Ultrafiltration (MOS)	Turbidity (NTU)	✓
	2	UV Disinfection	Flow (L/s)	✓
			UV Dose (mJ/cm^2)	✓
			UV Transmittance (UVT - %)	✓
	3	Chlorine disinfection	Chlorine Concentration Time Factor (CT – mg.min/L)	✓
			pH (pH units)	✓
			Temperature (°C)	✓
	4	Recycled Water Distribution System Storage Tanks	Storage Tank Integrity	✓
Drinking water	N/A			

4.1.6 Pitt Town

Table 11. Pitt Town CCP Critical Limits

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Recycled water	1	Ultrafiltration (MBR)	Turbidity (NTU)	✓
	2	UV Disinfection	Flow (L/s)	✓
			UV Dose (mJ/cm^2)	✓
			UV Transmittance (UVT - %)	✓
	3	Chlorine disinfection	Chlorine Concentration Time Factor (CT – mg.min/L)	✓
			pH (pH units)	✓

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
			Temperature (°C)	✓
	4	Recycled Water Distribution System Storage Tanks	Storage Tank Integrity	✓
Drinking water	N/A			

4.1.7 Cooranbong

Table 12. Cooranbong CCP Critical Limits

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Recycled water	1	Ultrafiltration (MOS)	Turbidity (NTU)	✓
	2	UV Disinfection	Flow (L/s)	✓
			UV Dose (mJ/cm^2)	✓
			UV Transmittance (UVT - %)	✓
	3	Chlorine disinfection	Chlorine Concentration Time Factor (CT – mg.min/L)	✓
			pH (pH units)	✓
			Temperature (°C)	✓
	4	Recycled Water Distribution System Storage Tanks	Storage Tank Integrity	✓
Drinking water	5	Drinking Water Distribution System Storage Tanks	Storage Tank Integrity	✓

4.1.8 Huntlee

Table 13. Huntlee CCP Critical Limits

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
Recycled water	1	Ultrafiltration (MOS)	Turbidity (NTU)	✓
	2	UV Disinfection	UV Dose (mJ/cm^2)	✓
			UV Transmittance (UVT - %)	✓
			Flow Rate (L/s)	✓
	3	Chlorine disinfection	Chlorine Concentration Time Factor (CT – mg.min/L)	✓

WATER SUPPLY SYSTEM	CCP NUMBER	PROCESS STEP	MONITORING PARAMETER	COMPLIANT
			pH (pH units)	✓
			Temperature (°C)	✓
	4	Recycled Water Distribution System Storage Tanks	Storage Tank Integrity	✓
Drinking water	5	Drinking Water Distribution System Storage Tanks	Storage Tank Integrity	✓

4.2 Critical limit exceedance

There were no critical limit exceedances in the reporting period. The majority of the CCP parameters are monitored in real-time by Altogether's control systems which are programmed to automatically take corrective action to cease production of recycled water if the critical limits are exceeded.

5. Water Quality

5.1 Data collection

5.1.1 Monitoring summary

We undertake routine verification monitoring across our networks to ensure maintenance of recycled water and drinking water quality. This monitoring is carried out in accordance with the principles of risk management set out in the ADWG and AGWR.

We monitor for a number of relevant microbial and chemical parameters as advised by the ADWG and AGWR. We use both ADWG and AGWR guidance for recycled water monitoring, including using ADWG guideline health limit values set for both drinking and recycled water. Our typical monitoring is shown in Table 14.

Table 14. Typical routine monitoring

CATEGORY	PARAMETER	DRINKING WATER?	RECYCLED WATER?
Microbial	*Escherichia coli (E. coli)*	✓	✓
	Adenovirus		✓
	Clostridium perfringens		✓
	Somatic coliphage		✓
Health related chemical analytes	Antimony	✓	
	Arsenic	✓	✓
	Barium	✓	✓
	Beryllium	✓	
	Boron	✓	✓
	Cadmium	✓	✓
	Chromium	✓	✓
	Copper	✓	✓
	Fluoride	✓	
	Iodide	✓	
	Lead	✓	✓
	Manganese	✓	✓
	Mercury	✓	✓
	Molybdenum	✓	
	Nickel	✓	✓
	Nitrate	✓	✓
	Nitrite	✓	✓
	Selenium	✓	

CATEGORY	PARAMETER	DRINKING WATER?	RECYCLED WATER?
	Silver		
	THMs	✓[1]	
	Uranium	✓	
Aesthetic analytes	Aluminium		✓
	Colour	✓	✓
	Copper	✓	
	Dissolved Oxygen	✓	
	Hardness	✓	
	Iron		✓
	Manganese	✓	✓
	pH	✓	✓
	Sulphate	✓	
	Total dissolved solids	✓	✓
	Turbidity	✓	✓
	Zinc		✓

5.1.2 Reviews of monitoring schedules and outcomes

The monitoring and sampling program was reviewed during the 2023-2024 period. Changes to the program included:

- Shepherds Bay recycled water monitoring was changed to reflect that drinking water is being used to supply recycled water connections
- Recycled water Clostridium perfringens sample locations were changed
- Recycled water Somatic coliphage frequency was changed
- Drinking water taste and odour was discontinued

5.2 Water Quality review

A summary of the routine verification monitoring data for the 2023–2024 year is shown in Table 15.

- Microbiological compliance is achieved if ≥98% samples are compliant.
- Health compliance for physical/chemical parameters are achieved if ≥95% of samples are compliant with ADWG Health Guideline values.

[1] Drinking water THM monitoring performed on schemes with chlorine dosing

- Aesthetic compliance for physical/chemical parameters are achieved if the median of samples are compliant with ADWG Aesthetic Guideline values.

Table 15. Aesthetic, microbial and health based performance summary for Recycled and Drinking water.

	RECYCLED WATER			DRINKING WATER		
Scheme	Aesthetic performance	Microbial performance	Health performance	Aesthetic performance	Microbial performance	Health performance
Central Park	✓	✓	✓	✓	✓	✓
Discovery Point	✓	✓	✓	✓	✓	✓
Shepherds Bay	✓	✓	✓	✓	✓	✓
Box Hill	✓	✓	✓	N/A	N/A	N/A
Pitt Town	✓	✓	✓	N/A	N/A	N/A
Cooranbong	✓	✓	✓	✓	✓	✓
Huntlee	✓	✓	✓	✓	✓	✓

6. Customer water quality enquiries

For the 2023-2024 year Altogether received 0.6 customer water quality enquiries/1000 properties for recycled water, and 1.5 customer water quality enquiries/1000 properties for drinking water (Figure 2). This is a decrease from 1 customer water quality enquiries/1000 properties for recycled water for the 2022-2023 year, and an increase from 0.25 customer water quality enquiries/1000 properties for drinking water.

This is compared to the Bureau of Meteorology (BOM) National Performance Report (NRP) median result for all utilities for 2023-2023 of 6.45 water and sewerage complaints per 1000 properties. At the time of writing data the NPR for 2023-2024 has not been published. The Urban NPR provides an annual independent benchmark of pricing and service quality of Australian urban water utilities.

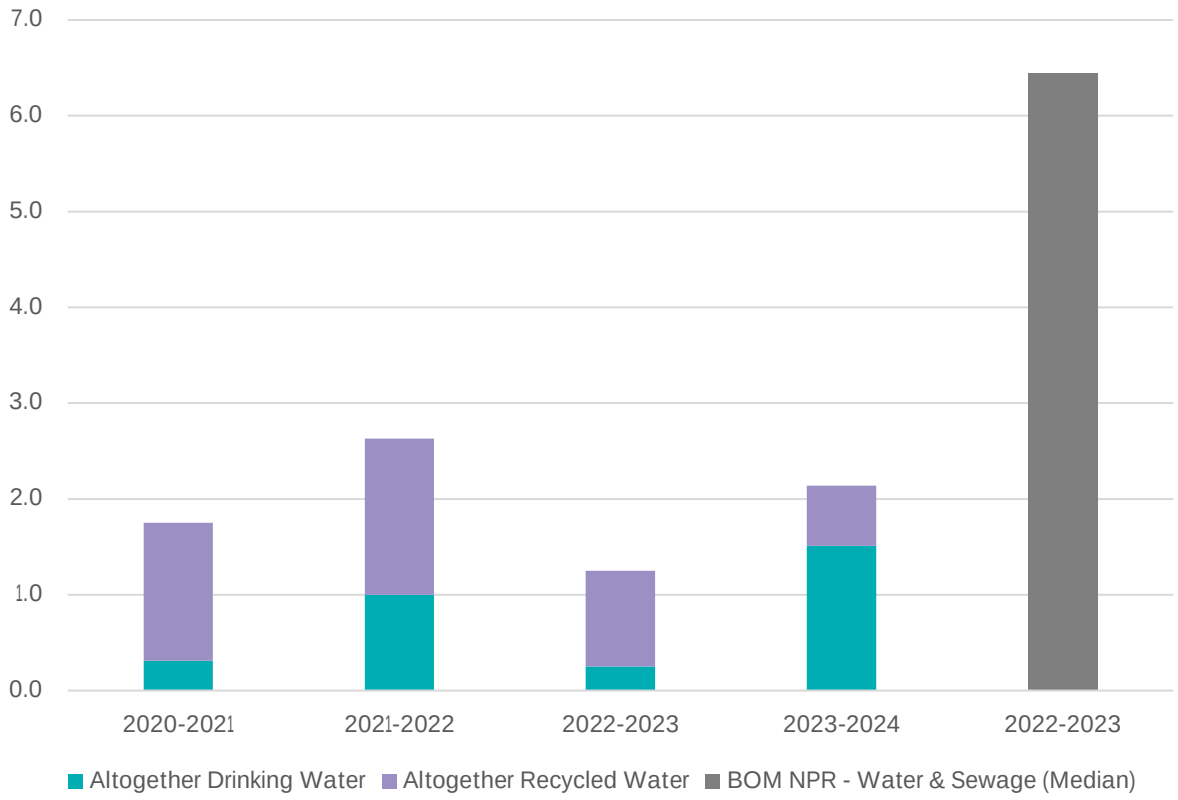

Figure 2 Altogether customer water quality enquiries/1000 properties 2023-2024 compared to the BOM NPR median result water & sewerage complaints for all utilities 2022–2023.[2]

7. Continuous improvement plan

Over the course of the year _ improvement actions were closed out, leaving items open or in progress at January 2024 (Figure 3).

Key items on the water quality improvement plan that were completed throughout the year were:

- Example A
- Example B
- Example C

[2] http://www.bom.gov.au/water/npr/

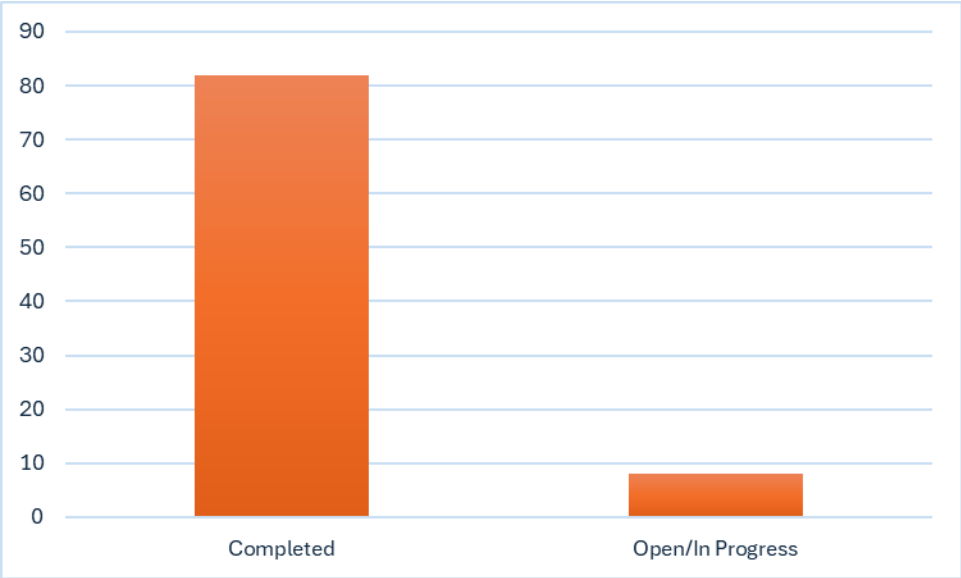

Figure 3 Summary of water quality continuous improvement plan for the year 2024-2025

8. Significant changes to the Water Quality Management System

Significant changes to the Water Quality Management System occurred over the 2024–2025 reporting year. This included:

- Transition from Critical document review calendar to Protecht
- Utilisation of Rapid Global Contactor Management tool to manage documents and induct contractors

9. Appendix – Water Quality Results

Table 1 - Microbiological recycled water quality 2023-24

Parameter	Health/ Aesthetic	Measure of Compliance	Performance Standard	Whole of Altogether 12 Months Samples	Compliant
E. coli	Health	% of samples containing < 1 Colony Forming Units (cfu) per 100ml	>98% of samples shall contain <1 cfu per 100ml	99.8% of samples contained <1 cfu/100ml	✓
Clostridium perfringens	Health	% of samples containing < 1 Colony Forming Units (cfu) per 100ml	>98% of samples shall contain <1 cfu per 100ml	100% of samples contained <1 cfu/100ml	✓
Somatic Coliphage	Health	% of samples containing < 1 Plaque Forming Units (pfu) per 100ml	>98% of samples shall contain <1 pfu per 100ml	100% of samples contained <1 pfu/100ml	✓
Adenovirus	Health	% of samples containing < 1 Plaque Forming Units (pfu) per 100ml	>98% of samples shall contain <1 pfu per 100ml	100% of samples contained <1 pfu/100ml	✓

Table 2 – Key health physical / chemical analytes recycled water 2023-24

Parameter	Units of Measure	ADWG Health Guideline Value	Performance Standard Over 12 months	95th Percentile Over 12 Months	Compliant
Arsenic	mg/L	0.01	95th percentile of test results less than respective ADWG health guideline value	0.001	✓
Barium	mg/L	2		0.01	✓
Boron	mg/L	4		0.2	✓
Cadmium	mg/L	0.02		0.0001	✓
Copper	mg/L	2		0.49	✓

Parameter	Units of Measure	ADWG Health Guideline Value	Performance Standard Over 12 months	95th Percentile Over 12 Months	Compliant
Lead	mg/L	0.01		0.016	✗
Manganese	mg/L	0.5		0.1	✓
Mercury	mg/L	0.001		0.0001	✓
Nickel	mg/L	0.02		0.006	✓
Nitrate	mg/L	50		17.6	✓
Nitrite	mg/L	3		0.05	✓

Table 3 – Key aesthetic physical / chemical analytes recycled water 2023-24

Parameter	Units of Measure	ADWG Aesthetic Guideline Value	Performance Standard Over 12 months	Median Over 12 Months	Compliant
Aluminium	mg/L	0.2	Median of test results less than respective ADWG aesthetic guideline value	0.04	✓
Ammonia	mg/L	1		0.04	✓
BOD	mg/L	10		2	✓
Colour	Pt/Co	15		2	✓
Copper	mg/L	1		0.008	✓
Iron	mg/L	0.3		0.05	✓
Manganese	mg/L	0.1		0.005	✓
TDS	mg/L	600		469	✓
Turbidity	NTU	5		0.2	✓
Zinc	mg/L	3		0.006	✓

Table 4 - Microbiological drinking water quality 2023-24

Parameter	Health/ Aesthetic	Measure of Compliance	Performance Standard	Whole of Altogether 12 Months Samples	Compliant
E. coli	Health	% of samples containing < 1 Colony Forming Units (cfu) per 100ml	>98% of samples shall contain <1 cfuper 100ml	99.8% of samples contained <1 cfu/100ml	✓

Table 5 – Key health physical / chemical analytes drinking water 2023-24

Parameter	Units of Measure	ADWG Health Guideline Value	Performance Standard Over 12 months	95th Percentile Over 12 Months	Compliant
Antimony	mg/L	0.003	95th percentile of test results less than respective ADWG health guideline value	0.0006	✓
Arsenic	mg/L	0.01		0.001	✓
Barium	mg/L	2		0.02	✓
Beryllium	mg/L	0.06		0.001	✓
Boron	mg/L	4		0.1	✓
Cadmium	mg/L	0.02		0.0001	✓
Chromium	mg/L	0.05		0.004	✓
Copper	mg/L	2		0.06	✓
Fluoride	mg/L	1.5		1.1	✓
Iodide	mg/L	0.5		0.02	✓
Lead	mg/L	0.01		0.001	✓
Mercury	mg/L	0.001		0.0001	✓
Manganese	mg/L	0.5		0.01	✓
Molybdenum	mg/L	0.05		0.001	✓
Nickel	mg/L	0.02		0.001	✓
Nitrate	mg/L	50		0.2	✓
Nitrite	mg/L	3		0.15	✓

Parameter	Units of Measure	ADWG Health Guideline Value	Performance Standard Over 12 months	95th Percentile Over 12 Months	Compliant
Selenium	mg/L	0.01		0.008	✓
Silver	mg/L	0.1		0.001	✓
THM	mg/L	0.25		0.14	✓
Uranium	mg/L	0.017		0.001	✓

Table 6 – Key aesthetic physical / chemical analytes drinking water 2023-24

Parameter	Units of Measure	ADWG Aesthetic Guideline Value	Performance Standard Over 12 months	Median Over 12 Months	Compliant
Colour	Pt/Co	15	Median of test results less than respective ADWG aesthetic guideline value	2	✓
Copper	mg/L	0.3		0.01	✓
Manganese	mg/L	0.1		0.002	✓
TDS	mg/L	600		124	✓
Hardness	mg/L	200		56	✓
Turbidity	NTU	5		0.2	✓

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