



Final Service and Performance Plan

2022/23

Burdekin Haughton Distribution Service Contract


4 August 2022

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At a glance


Our performance in 2020/21



Operating costs:
\$17.18 million (4.6% less than QCA target)

Key drivers of cost variance:

- reduction in electricity costs
- reduction in staff costs due to vacancies.



Annuity-funded costs:
\$2.79 million (45.8% more than QCA target)


Key drivers of cost variance:

- completion of several projects that had been deferred by the QCA
- additional road repairs in the Haughton main channel area
- arc flash studies.



Total water deliveries:
310,880 ML


Water delivered to irrigators: 240,354 ML



Service targets: 1 exceedance

Two customers were interrupted more than 10 times, due to offtake failures and subsequent repairs.


Outlook for 2022/23



Forecast operating costs:
\$18.59 million

Significant areas of expenditure budgeted:

- electricity (\$4.83 million)
- insurance (\$0.82 million)
- operations (\$6.10 million)
- preventative maintenance (\$4.39 million)
- corrective maintenance (\$2.44 million).



Forecast annuity-funded costs:
\$3.29 million

Key projects planned:

- refurbish pump units No. 2 and 3, reduction gearboxes and lubrications systems at Tom Fenwick pump station 2_3 (\$0.80 million)
- replace rotating safety screens and siphon inlets at Haughton main channel (\$0.29 million)
- concrete channel lining refurbishments in the Millaroo (\$0.23 million) and Clare (\$0.12 million) systems.

Introduction

This Service and Performance Plan (S&PP) details a range of proposed scheme activities and projects and presents a breakdown of anticipated costs for review. It also sets out Sunwater’s actual costs for 2020/21.

The purpose of this year’s S&PP for the Burdekin Haughton Distribution Service Contract is to:

- present to customers Sunwater’s projected costs¹ for the upcoming five-year period, i.e. 2022/23 to 2026/27
- consult with our customers on forecast operating and annuity-funded costs for 2022/23 and the forward program of works
- examine Sunwater’s performance in 2020/21 against cost and service targets.

Our focus during 2022/23 will be on ensuring operational activities are implemented safely, timely and efficiently to meet the irrigation demand of customers. We are also continuing to implement an efficient and effective maintenance program, with a focus on ensuring the service contract’s assets continue to perform reliably.

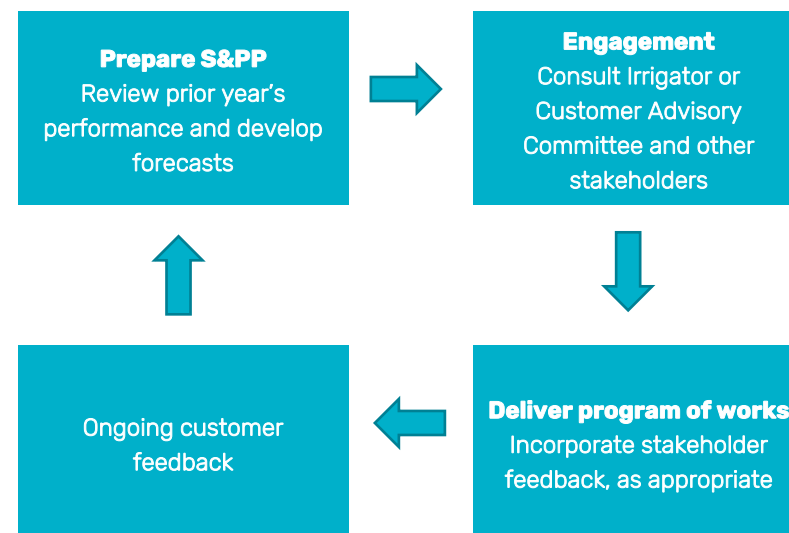
In addition to this S&PP, Sunwater has published an information sheet which explains the types of costs we incur in delivering water to our customers and how those costs are allocated to service contracts. The information sheet is available at:

www.sunwater.com.au/customer/products-and-services/service-and-performance-plans/

¹ All financial figures reported in this document are in nominal dollars, i.e. dollars of the day. Figures may not sum due to rounding.

Input from customers is a valuable part of Sunwater’s planning process and ensures that we invest in areas which support the services we provide to customers. Figure 1 outlines how Sunwater and customers work together in relation to S&PPs.

Figure 1: Customer consultation and S&PPs



We welcome and encourage your feedback on this S&PP. To have your say and shape future S&PPs, please contact us via email or post:

Email: sppfeedback@sunwater.com.au

Post: S&PP Feedback
PO Box 15536
City East Qld 4002

Delivering services to our customers

At Sunwater we are committed to working collaboratively with our customers to deliver value and fit-for-purpose water solutions.

Our customers

Customers in this service contract primarily produce sugar cane, high value crops and sandalwood. Water is also supplied to industrial users and the Townsville City Council.

The water allocations for each customer segment are included in Table 1, together with water deliveries in 2020/21. Historical total water usage is available in **Appendix 1**.

Table 1: Water allocations and usage data¹

Customer segment	Total water allocations (ML)	High priority water allocations (ML)	Medium priority water allocations (ML)	Total water deliveries 2020/21 (ML)
Irrigation	324,427	0	324,427	240,354
Urban	10,005	10,005	0	892
Industrial	556	0	556	728
Sunwater (excl. distribution losses)	193,833	52,376	141,457	0
Sunwater distribution losses	206,737	16,260	190,477	68,906
Total	651,741	26,281	625,460	310,880

1. Distribution system only.

Irrigation charges

The 2022/23 charges and cost per megalitre are shown in Table 2.

Table 2: Irrigation charges for 2022/23¹

Tariff group	Product	2022/23 (\$/ML) ²	QCA cost-reflective (\$/ML) ³
Burdekin Channel	Allocation Charge – Part C	37.31	44.87
	Allocation Water – Part D	20.23	24.33
Giru Groundwater Area	Allocation Charge – Part C	19.77	44.87
	Allocation Water – Part D	13.35	24.33
Gladys Lagoon – Up to natural yield	Allocation Charge – Part C	0.00	0.00
	Allocation Water – Part D	0.00	0.00
Gladys Lagoon – Other than from natural yield	Allocation Charge – Part C	37.31	44.87
	Allocation Water – Part D	20.23	24.33

1. This table includes distribution charges only. For bulk water charges, please refer to the Bulk Water Service Contract S&PP.
2. Includes the Queensland Government's 15 per cent discount for irrigation customers. Refer to www.rdmw.qld.gov.au for more information.
3. Is the cost-reflective price determined by the Queensland Competition Authority (QCA) in its 2020–2024 irrigation price investigation. Costs reflect lower bound cost recovery, i.e. recovery of future replacement and ongoing maintenance and operations. Charges do not allow for any returns on existing assets.

For more information on Sunwater's fees and charges, refer to: www.sunwater.com.au/customer/fees-and-charges/

Service targets

Sunwater and customers have agreed Water Supply Arrangements and Service Targets for the Burdekin Haughton Distribution Service Contract. Table 3 below sets out our recent performance against selected service targets for this scheme.

In 2020/21, two customers were interrupted more than 10 times. This was due to offtake failures and subsequent repairs needed.

Table 3: Scheme service targets and performance

Service target		Target	Number of exceptions		
			2018/19	2019/20	2020/21
Planned shutdowns – notification	For shutdowns planned to exceed 2 weeks	8 weeks	0	0	0
	For shutdowns planned to exceed 3 days	2 weeks	0	0	0
	For shutdowns planned to be less than 3 days	5 days	0	0	0
Unplanned shutdowns – duration ¹	Unplanned shutdowns during Peak Demand Period	48 hours	4	1	0
	Unplanned shutdowns outside Peak Demand Period	5 working days			
Maximum number of interruptions ²	Planned or unplanned interruptions per water year	10	1	0	2

1. This is the number of times that the unplanned shutdown has exceeded the shortest of the peak/off peak periods.
2. This is the total number of distribution customers in the scheme that have been interrupted in excess of the target.

In addition, Sunwater has company-wide customer interactions service targets. Our performance in 2020/21 against these service targets is shown in Table 4.

Table 4: Customer interactions service targets and performance

Service target	Target	2020/21
Telephone answering ¹	80.00%	90.93%
Requests actioned within Service Level Agreement (SLA) timeframes ²	> 95.00%	99.14%

1. This target measures the percentage of 13 15 89 calls that are answered within 60 seconds.
2. This target measures the percentage of email or workflow requests (such as property transfers and temporary transfers) to the Customer Support team that are completed within the agreed SLAs.

Key infrastructure

Table 5 lists the key infrastructure used to deliver distribution services to our customers in Burdekin Haughton. We also maintain a large network of channels and a balancing storage.

Table 5: Key infrastructure

Asset	Description	Capacity
Giru Weir	Earth and cemented rock fill between two parallel rows of sheet piling.	1025 ML
Val Bird Weir	Stepped sheet piling.	615 ML
Clare A pump station	Four pumps.	142 ML/day
Clare B pump station	Four pumps.	169 ML/day
Clare B8 relift pump station	Two pumps.	21 ML/day
Dalbeg A pump station	Three pumps.	72 ML/day
Dalbeg B pump station	Two pumps.	60 ML/day
Dalbeg relift pump station	Two pumps.	16 ML/day
Elliot pump station	Three pumps.	180 ML/day
Millaroo A pump station	Four pumps.	180 ML/day
Millaroo B pump station	Three pumps.	90 ML/day
Millaroo relift pump station	Two pumps.	34 ML/day
Tom Fenwick pump station	Consists of five pump stations.	700 ML/day (pump station 1) 1200 ML/day (pump stations 2 & 3) 1200 ML/day (pump stations 4 & 5)

Financial summary—Revenue and expenditure

A high-level summary of the budgeted financial performance of the Burdekin Haughton Distribution Service Contract is presented in Table 6.

The revenue Sunwater receives from urban and industrial customers is agreed by term contract. The revenue we receive from irrigation customers is determined by the Queensland Government, based on recommendations made by the QCA as part of its review of irrigation prices.

In 2022/23, Sunwater expects to spend \$501 million across all parts of our business, i.e. regulated and non-regulated. A breakdown of the forecast total cost pool at the direct and non-direct cost level is shown in Figure 2, together with the percentage of these costs allocated to the Burdekin Haughton Distribution Service Contract. Details on the planned spend for this scheme are outlined on subsequent pages of this S&PP.

Figure 2: Total Sunwater cost pools and allocation to scheme—2022/23 forecast (\$M)

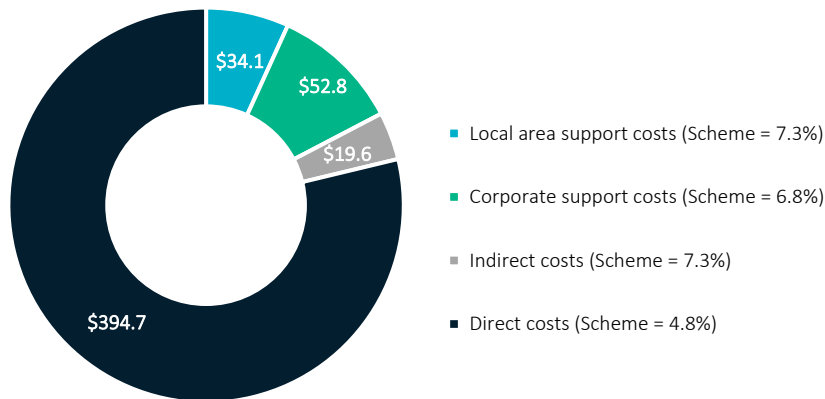


Table 6: Service contract financial summary

Burdekin Haughton Distribution Service Contract	2018/19 Sunwater / QCA Actual \$'000	2019/20 Actual \$'000	2020/21 Actual \$'000	2021/22 Forecast \$'000	2022/23 Forecast \$'000
Revenue					
Irrigation	20,349.2	22,046.6	18,932.9	20,973.4	19,001.2
Community Service Obligation	1.7	-	2155.0	-	-
Industrial ¹	170.8	143.9	98.7	78.2	76.8
Urban ¹	776.3	824.9	772.1	925.0	925.0
Revenue transfers ²	(1299.2)	(1325.3)	(1300.7)	(1426.6)	(1536.5)
Drainage	786.8	803.7	802.8	817.1	833.4
Other	50.7	36.6	138.7	31.9	31.9
Revenue total	20,836.4	22,530.4	21,599.4	21,399.0	19,331.9
Less – Operating expenditure	16,681.0	17,334.2	17,181.8	18,380.9	18,589.0
Less					
Annuity-funded	1720.7	1923.7	2793.2	1919.5	3285.5
Non-annuity funded ³	3.4	3.9	678.6	5838.4	4438.1
Surplus (deficit)	2431.3	3268.7	945.7	(4739.8)	(6980.7)

- Forecast revenues for industrial and urban customers are based on current contractual arrangements.
- Revenue transfers represent the cost of bulk water supplies delivered through the distribution system. The revenue accrues to the distribution system before it is transferred to the Bulk Water Service Contract as a contribution to the cost of the bulk water service.
- This is expenditure which has not been funded by irrigation customers. An example of this in the Burdekin Haughton Distribution Service Contract is the Lower Burdekin Rising Groundwater Mitigation Project.

Cost of delivering services—Operating expenditure

Operating expenditure includes funds for: operations activities, i.e. operations, electricity, and insurance; preventative maintenance; and corrective maintenance.

Table 7 sets out actual and forecast operating expenditure for the Burdekin Haughton Distribution Service Contract. For a more detailed breakdown by cost category, refer to **Appendix 2**.

Our performance in 2020/21

In 2020/21, operating costs were lower than the QCA’s recommended cost target. This is mostly due to lower electricity costs and reduced costs associated with staff vacancies during the year.

Table 7: Operating expenditure¹

Burdekin Haughton Distribution Service Contract	2018/19	2019/20	2020/21			2021/22		2022/23		2023/24	2024/25	2025/26	2026/27
	Sunwater Actual \$'000	Sunwater Actual \$'000	QCA Target \$'000 ²	Sunwater Actual \$'000	Variance \$'000	Sunwater Forecast \$'000	QCA Target \$'000 ²	Sunwater Forecast \$'000	QCA Target \$'000 ²	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000
Operations	11,580.6	11,718.0	11,617.4	13,207.7	1590.3	11,110.3	11,786.1	11,755.5	12,016.2	12,140.3	12,517.5	12,887.8	13,308.5
Electricity	5315.2	5049.2	5363.5	4808.9	(554.6)	4647.0	5398.4	4834.0	5474.2	4966.9	5103.5	5243.9	5388.1
Insurance	487.7	562.6	614.3	747.8	133.5	994.7	626.5	822.9	641.0	887.8	957.8	1033.3	1114.8
Operations	5777.7	6106.2	5639.7	7651.0	2011.3	5468.6	5761.2	6098.6	5901.1	6285.6	6456.1	6610.6	6805.5
Preventative maintenance	2926.8	3508.9	3537.9	1876.8	(1661.1)	4698.1	3612.8	4390.1	3699.4	4523.5	4651.3	4771.2	4913.7
Corrective maintenance	2173.6	2107.3	2852.8	2097.3	(755.5)	2572.4	2913.6	2443.4	2983.8	2519.8	2591.5	2657.0	2738.2
Operating costs total	16,681.0	17,334.2	18,008.0	17,181.8	(826.2)	18,380.9	18,312.4	18,589.0	18,699.4	19,183.6	19,760.2	20,316.0	20,960.4
Recreational facility costs ³				-		-		-		-	-	-	-
Operating costs total (incl. recreational facility costs)	16,681.0	17,334.2		17,181.8		18,380.9		18,589.0		19,183.6	19,760.2	20,316.0	20,960.4

1. Sunwater’s 2022/23 to 2026/27 budget figures are draft as at the time of consultation. These figures will not be locked down until late in the financial year prior.
2. Reflects the QCA’s 2020–2024 irrigation price investigation final recommendations. Excludes recreational facility costs.
3. From 1 July 2020, irrigation customers no longer contribute towards the cost of operating and maintaining recreational facilities. Forecast costs have been separately identified for transparency.

Electricity

Sunwater continues to proactively manage the cost of electricity. In 2020/21, Sunwater undertook the following energy improvement initiatives in the Burdekin Haughton Distribution Service Contract:

- a review of our electricity tariff selections, to ensure that we are using the most cost-effective tariffs. The review focused on pump stations as these assets consume the most electricity. There were tariff changes in the later months of 2020/21, with the average cost based on 2021/22 rates decreasing from 22.87 c/kWh to 19.50 c/kWh.
- an energy audit (finalised in 2021/22)
- commencement of Operational Electricity Dashboard Reporting with key electricity metrics monitored on a continual basis to identify efficiency opportunities.²

Outlook for 2022/23

Operations

Burdekin Haughton Distribution Service Contract's total operations budget in 2022/23 is 2.2 per cent below the QCA's recommended cost target. This variance is largely the result of lower than recommended electricity costs and other costs. However, higher than recommended insurance costs are expected.

Insurance

Insurance is one of Sunwater's largest expenditure items. These costs have increased significantly in recent years due to multiple flood events in Queensland and global insurable events impacting premiums. Although Sunwater is subject to market forces in the pricing of insurance premiums, we have also been actively managing insurance premium costs by reviewing coverage levels and policy specifications (including deductibles) to ensure that our insurance coverage is appropriate and reflective of the risks faced by our business.

Our insurance broker has indicated that prior to the early 2022 flood events, premium increases were trending downwards from a peak in late 2020 (with some exceptions). However, with another significant natural disaster in Australia, this is now likely to change. Insurance premiums in 2022/23 are therefore expected to be higher than the QCA's recommended allowance and historical costs.

Electricity

In 2022/23, Sunwater will continue our focus on managing the cost of electricity in this service contract. The following energy improvement initiatives are currently planned:

- annual tariff optimisation analysis
- potential implementation of energy audit recommendations (as required)
- monitoring of asset energy operational performance.

Preventative maintenance

The forecast preventative maintenance costs for the Burdekin Haughton Distribution Service Contract are forecast to be 18.7 per cent above the QCA's recommended cost target. This is related to increased costs associated with aquatic weed chemical supply due to global pressures, as well as the increased preventative maintenance regime being undertaken given the age of the region's assets. This regime aims to reduce the likelihood of asset failure.

Corrective maintenance

In 2022/23, Sunwater anticipates spending \$2.44 million on corrective maintenance in the Burdekin Haughton Distribution Service Contract. This is 18.1 per cent below the QCA's recommended cost target, primarily due to Sunwater's focus on effectively and efficiently completing preventative maintenance works (thereby reducing corrective maintenance costs).

² Some measuring points are not currently available at all pump stations. Sunwater is working towards capturing this information in the future.

Electricity metrics

Table 8 sets out electricity usage and efficiency-related information for the Burdekin Haughton Distribution Service Contract.

Table 8: Electricity usage and efficiency-related metrics

Metric	2017/18	2018/19	2019/20	2020/21
Electricity usage (kWh) – pump stations	28,506,341	25,208,770	29,398,837	24,475,317
Volume pumped (ML)	382,990	327,033	388,022	331,212
Water usage (ML) ¹	372,336	297,384	378,431	310,880
Actual electricity cost (\$)	6,032,534	5,315,186	5,049,211	3,628,567 ²
Actual electricity cost per ML (\$/ML delivered)	16.20	17.87	13.34	11.67
Average pump energy indicator ³ (kWh/ML/per metre of head)	3.92	3.98	3.90	3.75

1. Includes distribution losses.
2. This differs to the figure recorded in Sunwater’s financial accounts (see Table 7), due to an error in electricity metering data. Sunwater received a credit from our electricity retailer in September 2021, which will be captured in the 2021/22 financial accounts. The figure presented in this table reflects the 2020/21 electricity costs less the credit amount.
3. The industry guidelines are 3.4 to 4.5, depending on the size and design of the pump station with the benchmark for larger pump stations being more efficient.

Cost of delivering services—Annuity and non-annuity funded expenditure

Annuity-funded expenditure include funds for preventative and corrective maintenance, as well as large, one-off operations activities. Preventative maintenance activities monitor the asset condition and inform when an asset needs to be refurbished or replaced under the corrective maintenance program.

Non-annuity funded expenditure largely relates to Sunwater’s Dam Improvement Program and recreational facility costs.

Table 9 outlines our annuity and non-annuity funded expenditure for this service contract.

Table 9: Annuity and non-annuity funded expenditure^{1,2}

Burdekin Haughton Distribution Service Contract	2018/19	2019/20	2020/21			2021/22		2022/23		2023/24	2024/25	2025/26	2026/27
	Sunwater / QCA Actual \$'000 ³	Sunwater Actual \$'000	QCA Target \$'000 ⁴	Sunwater Actual \$'000	Variance \$'000	Sunwater Forecast \$'000	QCA Target \$'000 ⁴	Sunwater Forecast \$'000	QCA Target \$'000 ⁴	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000
Annuity-funded													
Operations	-	-	-	-	-	-	-	-	-	-	-	-	-
Preventative maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-
Planned corrective maintenance	1720.7	1923.7	1915.6	2793.2	877.6	1919.5	1804.3	3285.5	1304.6	3775.4	2439.4	2971.3	3583.3
Unplanned corrective maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-
Annuity-funded total	1720.7	1923.7	1915.6	2793.2	877.6	1919.5	1804.3	3285.5	1304.6	3775.4	2439.4	2971.3	3583.3
Non-annuity funded													
Dam Improvement Program	-	-	-	-	-	-	-	-	-	-	-	-	-
Recreational facility projects	-	-	-	-	-	-	-	-	-	-	-	-	-
Metered offtakes and dividend reinvestment	3.4	3.9	-	678.6	-	5838.4	-	4438.1	-	3944.8	-	-	-
Non-annuity total	3.4	3.9		678.6		5838.4		4438.1		3944.8	-	-	-

1. Sunwater’s 2022/23 to 2026/27 budget figures are draft as at the time of consultation. These figures will not be locked down until late in the financial year prior.
2. Forecast annuity-funded costs from 2020/21 exclude recreational facility projects.
3. The annuity-funded spend for 2018/19 reflects the QCA’s 2020–2024 irrigation price investigation final recommendations, which included adjustments to Sunwater’s actual costs.
4. Reflects the QCA’s 2020–2024 irrigation price investigation final recommendations.

Our performance in 2020/21

Performance against the QCA target

Sunwater updates our program of works based on our whole-of-life replacement and maintenance strategy, which looks at the risk and condition of each asset and uses this information to estimate the future work required to ensure the asset will continue to provide the required level of service into the future. Other factors such as changes in project delivery timing (e.g. due to weather) may also affect the program of works.

These factors mean the actual program of works delivered in any given year will differ to the program assessed by the QCA. At a project level, cost variances may also occur due to changes in the scope of work and cost inputs.

In 2020/21, total annuity-funded costs were higher than the QCA's recommended cost target. This was primarily driven by projects that Sunwater undertook in 2020/21 that had been deferred by the QCA including:

- the replacement of the programmable logic controller and supervisory control and data acquisition system at Clare A pump station (\$41.4k) and Dalbeg B pump station (\$63.6k) due to a scarcity of spares, discontinuation of product support, limited service life of electronic components and the corresponding age of the equipment, and increasing component costs
- the replacement of pump unit No. 2 at Dalbeg Relift pump station (\$41.2k) because of its condition
- the replacement of submersible pump unit No.1 at Dalbeg B pump station (\$132.6k) due to its condition.

Road repairs in the Houghton main channel were also higher than the QCA target due to the condition of the roads (\$96.2k more) and Sunwater performed arc flash studies across the scheme that were not planned for at the time of our June 2019 submission to the QCA.

³ See pages 58 to 60, www.qca.org.au/wp-content/uploads/2020/02/irrigation-price-review-part-b-sunwater-final-report.pdf

Project level cost variances

Appendix 3 provides a comparison of the annuity-funded projects planned for 2020/21 and the actual projects undertaken, together with justification for the variances.

Outlook

Details of the major annuity-funded projects planned for the 2022/23 to 2026/27 period are set out in **Appendix 4**. In 2022/23, Sunwater plans to refurbish pump units 2 and 3 at Tom Fenwick pump station 2_3 and refurbish concrete lining in various channel systems.

Asset management and planning improvements

In its final report for the 2020–2024 irrigation price investigation, the QCA identified several potential improvements to Sunwater's asset management and planning framework. It suggested Sunwater should:

- improve our predictive maintenance and asset condition reporting arrangements to better inform the timing of asset replacement
- review our cost estimation approach and ensure that asset values are based on modern equivalent replacement values where appropriate
- develop transparent guidelines for options analyses.³

Sunwater acknowledges there is room for improvement in our asset management system and is working on several initiatives to address these potential improvements, as outlined below.

Predictive maintenance and asset condition reporting

A focus during 2022/23 and beyond is to better leverage data to make more informed decisions and to ensure operations and maintenance activities are implemented safely, timely and efficiently.

To achieve this, Sunwater has invested in a new Enterprise Asset Management system (SAP). The new system and other IT infrastructure changes, such as a mobility solution that enables near real-time data to be loaded into the system and data automation initiatives, have presented a significant opportunity to transition to a data driven decision-making business.

In addition, Sunwater is improving predictive maintenance capability by monitoring asset performance data of critical assets. For example, the preventative maintenance program for pump stations is transitioning to usage-based intervals and energy and condition data is being analysed via remote dashboards. The SAP Analytic Cloud should also allow asset condition data to be trended over time. This will present asset condition decay curves which can be used to predict when an asset should be scheduled for maintenance. The asset data will provide a greater insight to asset performance, condition, and refurbishment and replacement planning.

Cost estimation approach

A change to Sunwater's asset planning cycle in 2019 has improved the near-term cost estimation of annuity funded work. The change targets two years of fully cost-estimated work and has increased the visibility of the forward program.

Options analyses

Sunwater has implemented improvements to our asset management system with a fit-for-purpose alignment to the ISO55001 asset management standard. Key to the alignment is the simplification of how maintenance work is identified and delivered.

Low value, low complexity work follows a standard work management methodology and is managed at a service contract level. High value, high complexity work is managed at an individual level and is subject to an options analysis. High value, high complexity work will also be assessed against the relevant criteria to determine if it meets Sunwater's project, program, and portfolio management framework (P3MF) for project management guidelines.

Options analyses examine a range of options and assess the shortlisted options against selected criteria, including financial, regulatory, social, and environmental factors.

Annuity balance

Annuities are managed by Sunwater on behalf of each service contract. They allow for customer charges to reflect a constant amount necessary to recoup the costs of refurbishment/replacement of the assets over a pre-determined period of time. The forecast annuity balances, and the impacts of budgeted spend, are shown in Table 10 below.

The QCA and Sunwater closing balances differ due to differences in the expenditure profile allowed by the QCA in its 2020–2024 final recommendations and actual expenditure incurred by Sunwater in 2019/20 and what we expect to spend thereafter.

Table 10: Annuity balance

Burdekin Haughton Distribution Service Contract	2018/19 QCA Actual \$'000	2019/20 Actual \$'000	2020/21 Actual \$'000	2021/22 Forecast \$'000	2022/23 Forecast \$'000	2023/24 Forecast \$'000	2024/25 Forecast \$'000	2025/26 Forecast \$'000	2026/27 Forecast \$'000
Opening balance ¹	2348.3	4043.5	5743.6	5233.6	5644.2	4759.4	3288.7	5082.8	6657.7
Spend ²	(1720.7)	(1923.7)	(2793.2)	(1919.5)	(3285.5)	(3775.4)	(2439.4)	(2971.3)	(3583.3)
Insurance proceeds receipts (if applicable)									
Prior year	-	-	-	-	-	-	-	-	-
Current year	-	-	-	-	-	-	-	-	-
Annuity contribution ³	3239.9	3320.9	2032.1	2101.2	2154.0	2096.5	4089.7	4324.0	4550.3
Interest/financing costs	175.9	302.9	251.1	228.8	246.8	208.1	143.8	222.2	291.1
Sunwater – Closing balance	4043.5	5743.6	5233.6	5644.2	4759.4	3288.7	5082.8	6657.7	7915.7
QCA – Closing balance	4043.5	5913.2	6288.3	6860.1	8009.5	9154.5			
Difference	-	(169.7)	(1054.7)	(1216.0)	(3250.0)	(5865.9)			

1. The opening balances for 2018/19 and 2019/20 reflect the QCA's 2020–2024 irrigation price investigation final recommendations.
2. The spend for 2018/19 reflects the QCA's 2020–2024 irrigation price investigation final recommendations, which included adjustments to Sunwater's actual costs. The 2019/20 and 2020/21 spend reflects Sunwater's actual costs. Thereafter, the spend is based on Sunwater's forecasts.
3. The annuity contribution is included in the prices paid by customers. It was set by the QCA from 2012/13 to 2016/17 and was rolled forward with the Consumer Price Index (CPI) for 2017/18, 2018/19 and 2019/20. From 2020/21 to 2023/24, the annuity contribution is based on the QCA's 2020–2024 irrigation price investigation final recommendations. Thereafter, it is based on Sunwater's projections.

Appendix 1—Historical water usage

The below table contains the scheme’s recent water use, together with the 19-year average for the 2002/03 to 2020/21 period.

Year	Usage (ML)
2010/11	112,222
2011/12	263,367
2012/13	308,545
2013/14	444,302
2014/15	476,610
2015/16	396,575
2016/17	329,411
2017/18	372,336
2018/19	297,384
2019/20	378,431
2020/21	310,880
19-year historical average	351,181

Appendix 2—Operating and annuity-funded costs by expense type

Burdekin Haughton Distribution Service Contract	2018/19	2019/20	2020/21			2021/22		2022/23		2023/24	2024/25	2025/26	2026/27
	Sunwater / QCA Actual \$'000	Sunwater Actual \$'000	QCA Target \$'000	Sunwater Actual \$'000	Variance \$'000	Sunwater Forecast \$'000	QCA Target \$'000	Sunwater Forecast \$'000	QCA Target \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000
Operating costs													
Operations	11,580.6	11,718.0	11,617.4	13,207.7	1590.3	11,110.3	11,786.1	11,755.5	12,016.2	12,140.3	12,517.5	12,887.8	13,308.5
Labour	1487.7	1655.5	1450.2	1769.8	319.7	1412.9	1483.5	1645.5	1521.3	1694.9	1745.7	1798.1	1852.0
Contractors	23.2	54.8	21.0	933.0	912.1	40.0	21.4	50.0	21.9	51.4	52.8	54.2	55.7
Materials	125.8	196.4	68.2	220.3	152.1	42.0	69.6	42.0	71.2	43.2	44.3	45.6	46.8
Electricity	5315.2	5049.2	5363.5	4808.9	(554.6)	4647.0	5398.4	4834.0	5474.2	4966.9	5103.5	5243.9	5388.1
Insurance	487.7	562.6	614.3	747.8	133.5	994.7	626.5	822.9	641.0	887.8	957.8	1033.3	1114.8
Other	1003.7	1135.2	1197.4	1208.9	11.6	1093.6	1221.3	1103.2	1249.4	1125.5	1146.9	1172.5	1193.6
Local area support costs	1091.6	1011.5	1031.4	956.0	(75.4)	919.5	1053.6	1070.7	1079.2	1102.8	1135.9	1170.0	1205.1
Corporate support costs	1439.1	1256.2	1120.8	1642.5	521.7	1342.3	1144.9	1563.2	1172.7	1610.1	1658.4	1708.2	1759.4
Indirect costs	606.7	796.6	750.7	920.4	169.7	618.3	766.8	624.0	785.4	657.8	672.1	662.1	692.8
Preventative maintenance	2926.8	3508.9	3537.9	1876.8	(1661.1)	4698.1	3612.8	4390.1	3699.4	4523.5	4651.3	4771.2	4913.7
Labour	394.9	543.1	606.2	334.1	(272.0)	780.3	620.1	766.0	635.9	789.0	812.6	837.0	862.1
Contractors	1054.6	914.4	867.7	164.1	(703.6)	1020.0	885.6	820.0	906.4	842.6	865.7	889.5	914.0
Materials	561.3	857.1	821.2	540.7	(280.5)	1150.0	837.6	1150.0	856.9	1181.6	1214.1	1247.5	1281.8
Other	127.6	190.9	29.3	121.5	92.2	158.0	29.9	138.0	30.6	141.8	145.7	149.7	153.8
Local area support costs	329.8	337.6	431.1	193.8	(237.3)	507.2	440.4	497.9	451.1	512.8	528.2	544.1	560.4
Corporate support costs	310.0	409.6	468.5	334.1	(134.4)	741.2	478.6	727.7	490.2	749.5	772.0	795.2	819.0
Indirect costs	148.8	256.3	313.8	188.4	(125.3)	341.4	320.5	290.5	328.3	306.2	312.9	308.2	322.5
Corrective maintenance	2173.6	2107.3	2852.8	2097.3	(755.5)	2572.4	2913.6	2443.4	2983.8	2519.8	2591.5	2657.0	2738.2
Labour	395.5	433.9	579.9	359.9	(220.0)	618.4	593.2	553.0	608.4	569.6	586.7	604.3	622.4
Contractors	665.9	424.3	486.4	268.1	(218.3)	435.0	496.4	260.0	508.1	267.2	274.5	282.0	289.8
Materials	233.0	183.4	491.1	230.7	(260.4)	145.0	500.9	220.0	512.4	226.1	232.3	238.7	245.2
Other	108.9	255.9	134.5	476.3	341.7	113.9	137.2	315.9	140.4	324.6	333.5	342.7	352.1
Local area support costs	294.4	272.7	412.5	208.0	(204.5)	402.0	421.3	359.5	431.5	370.2	381.3	392.8	404.6
Corporate support costs	332.8	340.5	448.2	353.9	(94.3)	587.5	457.8	525.4	468.9	541.1	557.3	574.1	591.3
Indirect costs	143.1	196.6	300.2	200.5	(99.7)	270.6	306.6	209.7	314.1	221.1	225.9	222.5	232.8
Operating costs total	16,681.0	17,334.2	18,008.0	17,181.8	(826.2)	18,380.9	18,312.4	18,589.0	18,699.4	19,183.6	19,760.2	20,316.0	20,960.4
Annuity-funded costs													
Labour		206.0	141.3	206.1	64.7	249.9	234.9	568.5	225.7	653.0	422.7	516.9	623.5
Contractors		1164.4	1217.9	1775.8	558.0	580.3	545.5	625.3	248.3	716.6	462.7	564.5	679.2
Materials		153.8	206.9	301.6	94.8	490.2	460.8	625.3	248.3	716.6	462.7	564.5	679.2
Other		24.1	36.0	52.5	16.5	89.6	84.2	341.1	135.4	390.9	252.4	307.9	370.5
Local area support costs		122.7	78.2	114.0	35.8	162.7	153.0	369.5	146.7	424.5	274.7	336.0	405.3
Corporate support costs		155.8	158.6	231.2	72.6	237.4	223.1	540.1	214.5	620.4	401.5	491.1	592.3
Indirect costs		97.0	76.8	112.0	35.2	109.3	102.8	215.6	85.6	253.4	162.7	190.3	233.3
Annuity-funded total¹	1720.7	1923.7	1915.6	2793.2	877.6	1919.5	1804.3	3285.5	1304.6	3775.4	2439.4	2971.3	3583.3
Total costs²	18,401.7	19,257.9	19,923.6	19,975.0	51.4	20,300.4	20,116.7	21,874.4	20,004.0	22,959.0	22,199.7	23,287.3	24,543.7

1. The 2018/19 costs reflect the QCA's 2020–24 irrigation price investigation final recommendations, which included adjustments to Sunwater's actual costs. Sunwater has provided cost information at the lowest level of granularity available.

2. Excludes recreational facility costs from 2020/21.

Appendix 3—Comparison of forecast and actual annuity-funded projects for 2020/21

The below table sets out the major annuity-funded projects planned for the Burdekin Haughton Distribution Service Contract⁴ in 2020/21 and the actual projects undertaken.

Facility	Activity description	Forecast \$'000	Actual \$'000	Commentary
Clare, Millaroo and Dalbeg	Refurbish – concrete lining.	604	333	Limited shutdown windows restricted what could be achieved during the financial year. Following an assessment of the lining condition across all three systems, a higher focus was placed on the Millaroo system. No work was completed in the Dalbeg system.
Clare, Millaroo, Dalbeg, Elliot and Healey's pump stations	Refurbish/replace – pump units across several facilities.	416	529	<p>The market value of procuring items for the replacement of submersible pump No. 1 at Dalbeg B pump station and pump No. 2 at Dalbeg relift pump station was higher than estimated, resulting in a \$66k overspend.</p> <p>The replacement of pump No. 2 and its motor at Millaroo A pump station was \$84k more than anticipated as the pump frame had to be split and re-engineered to facilitate removal and re-installation.</p> <p>A project to replace a batescrew gate and actuator at Healey's pump station was \$7k more than budgeted due to an inability to drain the structure resulting in divers being required for the installation works.</p> <p>Some works were no longer required based on condition (\$29k less) or were carried over to the following financial year (\$15k less). The remainder of the works were completed broadly in line with the budget.</p>
Tom Fenwick pump station	Refurbish – reinstate pump, gearboxes, intake hoist starters and valve latching arrangements at stations 1, 2_3 and 4_5.	356	189	<p>Refurbishment works at Tom Fenwick pump station 2_3 were deferred based on condition (\$156k less) and the market value of procured items for the reduction gearbox works at Tom Fenwick pump station 4_5 resulted in the project being delivered for \$13k less than budgeted.</p> <p>In addition, Sunwater was able to leverage off existing designs for similar work completed at another pump station when completing the siphon break valve and discharge valve latching assembly refurbishments (\$37k less).</p> <p>An options analysis to investigate options for the refurbishment of a switchboard at pump station 1 was \$33k more than forecast, as a full condition assessment by a specialist contractor needed to be completed first. Works on the intake hoist starters at pump station 1 cost \$6k more than forecast as the market value of procured items was higher than estimated.</p>

⁴ Based on information extracted from Sunwater's systems in mid-2020. See the 2021/22 S&PP at www.sunwater.com.au/schemes/Burdekin-Haughton/

Facility	Activity description	Forecast \$'000	Actual \$'000	Commentary
Haughton, Barratta, Clare and Elliot	Refurbish/replace – radial, float, vertical slide regulating and isolation gates.	269	179	The market value of procured items for most projects was lower than estimated. A project to refurbish regulating gates at Clare main channel was deferred based on condition (\$38k less) and the scope of work to develop an overshot gate refurbishment/replacement strategy for Haughton main channel involved less effort than planned (\$4k less).
Scheme	Study – audit and review of all scheme switchboards and distribution boards to reassess arc flash rating in accordance with Australian Standards.	220	644	The project includes \$395k of expected contract costs for arc flash studies required for all regions. These contracts were established against the one work order to enable easier management of the contract. Costs were not received before the end of the 2020/21 financial year; however, an accrual was applied for these costs and future invoices, leaving the contract values showing as allocated to this scheme. The discrepancy will be rectified across future years of the project. Outside of this, increased costs can be attributed to the detailed data capture required and difficulties in accessing equipment while offline.
Giru Benefitted Area	Replace – customer meters.	198	163	The market value of procured items was lower than estimated.
Clare, Millaroo, Dalbeg, Elliot, Barratta and Haughton	Refurbish – fencing.	181	127	Fencing refurbishments only occurred where required.
Clare A and Dalbeg B pump stations	Replace – programmable logic controller (PLC) / supervisory control and data acquisition (SCADA).	133	105	The market value of procured items was lower than estimated for the PLC and SCADA replacement at Clare A pump station (\$25k less), while the works at Dalbeg B pump station were undertaken in line with the budget (\$2k less).
Clare, Millaroo, Dalbeg, Elliot, Barratta and Haughton	Refurbish – roads.	106	169	Road refurbishments only occurred where required. The overspend relates to road repairs in the Haughton main channel area.
Clare A4_2 pipeline	Install – diversion pipeline to Barratta main channel to capture channel overflow water for reuse and improve scheme delivery efficiency (Stage 2 of works).	75	102	Additional scope of works for erosion control following installation and commissioning.
Haughton main channel	Replace – operations meters at siphon SI24 to reinstate the data capturing point and improve channel delivery efficiency.	64	2	Work was deferred, pending the development of a strategy for the site.
Scheme	Study – investigation, risk assessment and review of float regulating gate access arrangements to address a known safety risk.	45	0	Work was deferred to the following financial year.
Clare A pump station	Refurbish – steel rising main surge tanks.	45	43	This project was completed within budget.
Millaroo B pump station	Refurbish – vacuum priming system.	41	18	Sunwater was able to leverage similar work previously completed at another pump station.
Haughton main channel	Study – weed screen investigation at siphon SI24 to address ongoing workplace health and safety issues.	35	14	Sunwater installed a new screen based on an existing design.
Multiple	Various projects.	231	52	Works at Val Bird Weir to reinstate damaged gabions and rock fill and replace handrails and an access platform were deferred due to operational constraints (\$44k less). In addition, a project to refurbish an access bridge

Facility	Activity description	Forecast \$'000	Actual \$'000	Commentary
				cost less than estimated due to the market value of procured items. Finally, the service contract's contingency amount of \$131k was not required. Two projects cost slightly more than forecast because of the market value of procured items (\$8k).
Multiple	Various projects.	0	124	Most of this expenditure related to the following projects: <ul style="list-style-type: none"> • an external review of existing assets and a high-level engineering study and cost estimate on scheme automation options (\$10k) • design work to replace the PLC and SCADA at Elliott pump station (\$25k), with installation planned for the following financial year • a safety improvement at float regulator structures (fabrication component only) (\$53k) • design work to replace the PLC and SCADA at Millaroo A pump station (\$30k), with installation planned for the following financial year.
2020/21 Total		3019	2793	

Appendix 4—Annuity-funded projects for 2022/23 to 2026/27

The below table sets out Sunwater’s currently planned annuity-funded projects for the 2022/23 to 2026/27 period for this scheme. While the immediate program is well defined, estimates become more uncertain further into the planning timeline. Forecasts are likely to change in future S&PPs, reflecting changes in project delivery timing; asset condition and risk updates; outcomes from scheduled asset inspections; and customer feedback.

Year	Facility	Activity description	Forecast \$'000
2022/23	Tom Fenwick pump station 2_3	Refurbish – pump units No. 2 and 3, reduction gearboxes and lubrications systems based on known asset condition and age.	799
	Haughton main channel	Replace – rotating safety screens and siphon inlets.	289
	Millaroo channel system	Refurbish – concrete channel lining based on known asset condition and age.	231
	Dalbeg main channel	Replace – customer meters to Australian Standard (AS) 4747 based on known asset condition and age.	184
	Haughton main channel	Refurbish – left and right-hand radial gates based on known asset condition and age.	173
	Val Bird Weir	Refurbish – downstream protection works (mattresses and gabions).	173
	Giru Weir	Refurbish – downstream protection works (mattresses and gabions).	173
	Clare channel B6	Replace – customer meters to AS4747 based on known asset condition and age.	149
	Clare channel system	Refurbish – concrete channel lining based on known asset condition and age.	116
	Haughton main channel	Replace – siphon inlet No. 1 sediment basin outlet safety screens.	87
	Dalbeg channel 1	Replace – customer meters to AS4747 based on known asset condition and age.	79
	Tom Fenwick pump station 2_3	Refurbish – pump unit cooling water system.	69
	Tom Fenwick pump station (all)	Replace – pump station building security alarm and auto dialler systems.	79
	Clare drain 1	Replace – access crossing 1 with new culvert arrangement.	69
	Clare A pump station	Refurbish – pump unit No. 2 based on known asset condition and age.	69
	Barratta main channel	Replace – rotating safety screen at RG2-019 siphon inlet.	58
	Millaroo A pump station	Refurbish – pump station timber truss access bridge.	58
	Tom Fenwick pump station 2_3	Refurbish – corroded drainpipes in the concrete pump volute.	54
	Dalbeg main channel	Refurbish – float regulating gates No. 3 and 4 (blast, paint, and anodes) due to known asset condition.	46
	Val Bird and Giru weirs	Replace – install new river gauging station at both weirs.	46

Year	Facility	Activity description	Forecast \$'000
	Multiple	There are 16 other annuity-funded projects planned for 2022/23. These projects include, for example, Barratta system telemetry replacement and screens/walkway refurbishments; Clare A pump station rising main works; Tom Fenwick pump station 2_3 and 4_5 intake gates and 2_3 hydraulic refurbishments; Millaroo main channel regulating gate metal works; Elliot pump station pump option analyses; and Haughton main channel SI14 replacement options.	282
	2022/23 Total		3285
2023/24	Giru Weir	Refurbish – reinstate row 1 sheet pile due to condition. Covers procurement and construction.	923
	Clare A pump station	Replace – station supply and distribution cables (subject to condition assessment).	485
	Millaroo A pump station	Replace – control equipment based on known asset condition and age.	214
	Elliot pump station	Replace – switchboard No. 1 based on known asset condition and age.	211
	Haughton main channel	Replace – 11 vertical slide (batescrew) gates at various locations due to known asset condition.	127
	Elliot pump station	Replace – submersible pump unit No. 1 based on known asset condition and age.	193
	Tom Fenwick pump station 2_3	Refurbish – pump station ventilation system and related equipment based on known asset condition and age.	191
	Clare channel B8	Replace – customer meters to AS4747 based on known asset condition and age.	120
	Dalbeg channel system	Refurbish – concrete channel lining based on known asset condition and age.	119
	Clare channel system	Refurbish – concrete channel lining based on known asset condition and age.	119
	Millaroo channel system	Refurbish – concrete channel lining based on known asset condition and age.	119
	Barratta, Dalbeg and Millaroo systems	Refurbish – float regulating gates (blast, paint, seals, and anodes) based on known condition and age.	93
	Haughton main channel	Replace – regulating gate control system and equipment based on known condition and age.	102
	Clare B pump station	Refurbish – submersible pump No. 3 and suction main pipe based on known asset condition and age.	90
	Dalbeg B pump station	Replace – submersible pump No. 2 based on known asset condition and age.	89
	Haughton main channel	Refurbish – rotating safety screens (left and right) at siphon inlet SI14.	83
	Mount Dalrymple SCADA	Replace – radio repeater based on known asset condition and age.	83
Multiple	There are 35 other annuity-funded projects planned for 2023/24. These projects include, for example, Barratta system slide gates and screens; Elliot pump station hydraulics and other minor works; inspections at Val Bird and Giru weirs; Haughton main channel overflow structure refurbishments; and Tom Fenwick pump station hoist inspections and minor works.	413	
	2023/24 Total		3775
2024/25	Haughton main channel	Replace – batescrew and Rodney gates based on known asset condition and age.	374
	Barratta main channel	Replace – batescrew gates based on known asset condition and age.	347

Year	Facility	Activity description	Forecast \$'000
	Clare channel system	Replace – customer meters to AS4747 based on known asset condition and age.	363
	Elliot pump station	Replace – pump unit No. 2 based on known asset condition and age.	179
	Millaroo B pump station	Refurbish – pump unit No. 1 and 2 based on known asset condition and age.	147
	Mount Kelly SCADA	Replace – radio and remote telemetry unit at the repeater station based on known asset condition and age.	91
	Scheme	Refurbish – upgrade safety signage across the scheme to current standards based on asset condition and age.	46
	Millaroo A pump station	Replace – upper hoist based on known asset condition and age.	73
	Millaroo channel 13	Replace – three vertical slide gates at channel 13 and 13/1 based on asset condition and age.	68
	Houghton main channel	Refurbish – overflow structure based on known asset condition and age.	60
	Clare B pump station	Refurbish – pump unit No. 4 based on known asset condition and age.	58
	Barratta channel BA5_1	Refurbish – overflow structure and drainage based on known asset condition and age.	52
	Dalbeg A pump station	Refurbish – pump unit No. 1 based on known condition and age.	48
	Multiple	There are 32 other annuity-funded projects planned for 2024/25. These projects include, for example, Barratta fencing; Clare channel air vents and pump station screens; Dalbeg pump station minor equipment refurbishments; Tom Fenwick pump station 2_3 and 4_5 gearbox works; Millaroo A pump station discharge valve refurbishment; and other minor works across the scheme.	535
	2024/25 Total		2439
2025/26	Clare channel system	Refurbish – concrete channel lining based on known asset condition and age.	288
	Dalbeg channel system	Refurbish – concrete channel lining based on known asset condition and age.	261
	Millaroo channel system	Refurbish – concrete channel lining based on known asset condition and age.	251
	Clare main channel	Replace – customer meters to AS4747 to meet regulatory compliance.	239
	Barratta channel system	Refurbish – regulating gate based on known asset condition and age.	208
	Dalbeg B pump station	Replace – pump station supply and distribution cable systems (subject to updated condition assessment).	204
	Tom Fenwick pump station 4_5	Refurbish – gearboxes at pump unit No. 5 based on known asset condition and age.	163
	Tom Fenwick pump station 4_5	Refurbish – pump unit No. 5 based on known asset condition and age.	158
	Tom Fenwick pump station 1	Refurnish – pump station structure roof (building) based on known asset condition and age.	126
	Barratta main channel	Replace – batescrew gates based on known asset condition and age.	122
	Houghton main channel	Refurbish – fencing based on known asset condition and age.	119
	Dalbeg A pump station	Refurbish – external coating of pipe based on known asset condition and age.	81

Year	Facility	Activity description	Forecast \$'000
	Haughton main channel	Refurbish – roads based on known asset condition and age.	81
	Haughton main channel	Refurbish – regulating gate based on known asset condition and age.	72
	Clare, Millaroo, Dalbeg and Elliot channels	Refurbish – fencing based on known asset condition and age.	78
	Millaroo A pump station	Refurbish – pump unit No. 4 based on known asset condition and age.	60
	Clare, Millaroo, Dalbeg and Elliot channels	Refurbish – roads based on known asset condition and age.	56
	Dalbeg R pump station	Replace – pump unit No. 1 based on known asset condition and age.	43
	Multiple	There are 26 other annuity-funded projects planned for 2025/26. These projects include, for example, Barratta channel overflow refurbishments; replacement of a Barratta main channel safety screen; Haughton system telemetry equipment replacements, Tom Fenwick pump station third party hoist inspections; and minor electrical and pump refurbishment works at Clare, Millaroo and Dalbeg pump stations.	361
	2025/26 Total		2971
2026/27	Tom Fenwick pump station 1	Replace – high voltage switchboard based on known asset condition and age.	615
	Haughton main channel headworks	Replace – gate control equipment and telemetry systems.	485
	Haughton channel system	Replace – gate control equipment and telemetry systems.	318
	Barratta channel system	Replace – gate control equipment and telemetry systems.	299
	Clare channel system	Replace – customer meters to AS4747 based on known asset condition and age.	246
	Elliot pump station	Replace – operational meters to AS4747 based on known asset condition and age.	207
	Tom Fenwick pump station 1	Refurbish – pump unit No. 2 and associated suction valve based on known asset condition and age.	190
	Millaroo B pump station	Refurbish – pump station control system and equipment based on known asset condition and age.	183
	Clare channel system	Refurbish – concrete channel lining based on known asset condition and age.	149
	Clare A pump station	Replace – pump unit No.1 based on known asset condition and age.	140
	Millaroo channel system	Refurbish – concrete channel lining based on known asset condition and age.	136
	Barratta main channel	Replace – batescrew gates based on known asset condition and age.	109
	Dalbeg channel system	Refurbish – concrete channel lining based on known asset condition and age.	106
	Millaroo channel system	Replace – gate control equipment and telemetry systems.	94
	Multiple	There are 27 other annuity-funded projects planned for 2026/27. These projects include, for example, Haughton channel system screen and guide refurbishments; Dalbeg channel regulating gate refurbishments; and pump, priming system, and minor works at Tom Fenwick, Millaroo and Elliot pump stations.	308
	2026/27 Total		3583

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To have your say and shape future Service and Performance Plans, please contact us via email or post:

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