

2019/20 to 2023/24 Network Service Plan Fact Sheet

Burdekin Haughton Distribution Service Contract

This fact sheet details a range of proposed immediate and longer-term improvement projects, and presents a breakdown of anticipated costs. It also provides a summary of changes provided to the Queensland Competition Authority (QCA) during the current irrigation price review process for new prices commencing on 1 July 2020.

Summary of key changes

On 6 November 2018, Sunwater provided a comprehensive submission to the QCA's review of irrigation prices for the 2021–24 period. We have since updated our forecast costs to reflect changes to underlying inputs, including:

- a revised non-routine program of works, based on the latest available information (eg condition and risk data)
- a greater focus on direct charging of labour to service contracts and the splitting of local area support costs to better align with where the costs are incurred
- an increase in insurance premiums, to align with current market conditions and a revalued insurance asset base
- revised electricity escalators, which take into account more detailed site information including updated consumption data and current retail tariffs. For sites on transitional or obsolete regulated retail electricity tariffs that cease on 30 June 2020¹ or 30 June 2022, Sunwater has also corrected the year in which the step change increase is applied.
- a reduction in the forecast electricity costs for this service contract due to the introduction of contestable contracts for energy supply
- using the scheme's 16-year average water usage over the 2002/03 to 2017/18 period to determine the Part D cost per megalitre.

These changes have been reflected in this Network Service Plan (NSP) fact sheet and Sunwater's June 2019 regulatory model, which is available at: <https://www.sunwater.com.au/customer/fees-and-charges/water-pricing-review/>.

For additional information on Sunwater's cost categories and Cost Allocation Methodology, please refer to the 2018/19 NSPs at: <https://www.sunwater.com.au/customer/products-and-services/network-service-plans/>.

¹ The Queensland Government subsequently announced that customers would have until 30 June 2021 to move to standard electricity tariffs. Due to the timing of this announcement, this extension has not been reflected in our modelling.

Irrigation charges for 2019/20

The 2019/20 charges and cost per megalitre are shown in **Table 1**. The Burdekin Haughton Distribution Service Contract is not expected to fully recover irrigation's share of costs. For the full suite of charges that apply, refer to Sunwater's website.

Table 1: Irrigation charges for 2019/20¹

Product	Charge type	2019/20 (\$/ML)	Cost (\$/ML) ²	Subsidy (\$/ML)
Medium Priority Allocation Charge – Channel Distribution	Channel Distribution Charge – Part C (fixed charge based upon allocation)	39.10	42.89	3.79
Medium Priority Allocation Water – Channel Distribution	Channel Distribution Charge – Part D (variable charge based upon actual usage)	29.60	29.52	N/A

1. This table includes distribution charges only. For river charges (Part A and Part B), please refer to the Bulk Water Service Contract NSP.
2. Costs reflect lower bound cost recovery ie recovery of future replacement and ongoing maintenance and operations. Charges do not allow for any capital returns on existing assets.

Service targets

Sunwater and customers have agreed Water Supply Arrangements and Service Targets for the Burdekin Haughton Distribution Service Contract. **Table 2** below sets out our performance in 2016/17 and 2017/18 against selected service targets.

Table 2: Service targets and performance

Service target		Target	Number of exceptions	
			2016/17	2017/18
Planned shutdowns – notification	For shutdowns planned to exceed 2 weeks	8 weeks	0	0
	For shutdowns planned to exceed 3 days	2 weeks	0	0
	For shutdowns planned to be less than 3 days	5 days	0	0
Unplanned shutdowns – duration ¹	Unplanned shutdowns during Peak Demand Period	48 hours	1	3
	Unplanned shutdowns outside Peak Demand Period	5 working days		
Maximum number of interruptions ²	Planned or unplanned interruptions per water year	10	0	0

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.

Routine expenditure

Routine (or annual) expenditure includes funds for operations activities (operations, electricity and insurance), preventative maintenance and corrective maintenance.

Table 3: Routine expenditure^{1,2}

Burdekin Houghton Distribution Service Contract	2015/16			2016/17			2017/18 ³		2018/19 ³		2019/20	2020/21	2021/22	2022/23	2023/24
	Sunwater Actual \$'000	QCA Recommended \$'000	Variance \$'000	Sunwater Actual \$'000	QCA Recommended \$'000	Variance \$'000	Sunwater Estimate ⁴ \$'000	2016/17 QCA Recommended (Adjusted) \$'000	Sunwater Forecast \$'000	2016/17 QCA Recommended (Adjusted) \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000	Sunwater Forecast \$'000
Operations	10,304.3	10,301.7	2.6	9192.6	10,695.9	(1503.3)	11,161.7	10,963.3	11,464.7	11,237.4	11,262.5	11,337.7	11,677.3	12,299.3	12,421.2
Labour	1161.9	1395.2	(233.4)	1189.4	1439.8	(250.4)	1376.4	1475.8	1413.4	1512.7	1452.9	1493.6	1535.4	1577.1	1619.8
Contractors	2.2	23.7	(21.5)	58.0	24.1	33.9	13.0	24.7	29.4	25.3	30.0	30.7	31.4	32.2	33.0
Materials	35.0	23.7	11.4	40.8	24.1	16.7	36.4	24.7	37.2	25.3	38.0	38.9	39.8	40.7	41.6
Electricity	5769.1	5662.0	107.1	4809.7	6058.3	(1248.6)	6032.5	6209.8	5655.6	6365.0	5313.6	5237.9	5422.8	5888.7	5850.7
Insurance	545.2	407.7	137.5	495.6	414.7	80.9	467.8	425.0	535.0	435.6	546.0	558.6	571.4	584.6	598.0
Other	765.8	617.7	148.1	635.8	628.2	7.6	593.7	643.9	1138.7	660.0	1162.0	1188.7	1216.1	1244.0	1272.6
Local area support costs	994.3	-	994.3	1018.7	-	1018.7	1033.1	-	883.9	-	905.3	928.4	952.1	975.9	1000.3
Corporate support costs	391.4	1352.5	(961.1)	393.4	1382.1	(988.7)	686.4	1416.7	1059.2	1452.1	1084.9	1112.6	1141.0	1169.5	1198.8
Indirect costs	639.4	819.3	(179.9)	551.1	724.6	(173.5)	922.4	742.7	712.4	761.3	729.7	748.3	767.4	786.6	806.3
Preventative maintenance	3602.0	3567.9	34.1	3628.4	3581.8	46.6	3008.7	3671.4	3882.7	3763.2	3972.7	4071.2	4172.2	4274.3	4378.9
Labour	581.5	730.3	(148.8)	654.4	753.7	(99.3)	602.4	772.5	633.0	791.8	650.8	669.0	687.7	706.3	725.5
Contractors	709.3	1038.0	(328.7)	969.1	1055.7	(86.6)	771.9	1082.1	880.8	1109.2	900.0	921.5	943.5	965.9	988.8
Materials	1183.5	491.4	692.1	653.0	499.8	153.2	250.3	512.3	1126.9	525.1	1150.0	1176.5	1203.5	1231.2	1259.5
Other	49.3	160.0	(110.7)	212.1	162.8	49.3	180.6	166.8	38.2	171.0	39.0	39.9	40.8	41.8	42.7
Local area support costs	499.5	-	499.5	562.0	-	562.0	457.3	-	410.3	-	420.2	431.0	441.9	453.0	464.4
Corporate support costs	259.8	768.8	(509.0)	274.7	785.9	(511.1)	358.0	805.5	474.4	825.6	485.9	498.3	511.0	523.8	536.9
Indirect costs	319.1	379.3	(60.3)	303.2	324.0	(20.8)	388.2	332.1	319.1	340.4	326.8	335.1	343.7	352.3	361.1
Corrective maintenance	2210.0	1576.9	633.1	1879.7	1577.2	302.6	2436.4	1616.6	2171.6	1657.0	2224.6	2281.6	2340.1	2399.0	2459.3
Labour	526.7	411.4	115.4	484.2	424.5	59.7	619.6	435.1	567.2	446.0	583.0	599.4	616.2	632.9	650.0
Contractors	464.0	81.4	382.6	166.0	82.8	83.2	319.5	84.8	176.2	87.0	180.0	184.3	188.7	193.2	197.8
Materials	202.6	236.7	(34.1)	190.8	240.7	(49.9)	152.9	246.7	225.4	252.9	230.0	235.3	240.7	246.2	251.9
Other	88.2	222.9	(134.7)	234.3	226.7	7.5	156.9	232.4	124.3	238.2	126.9	129.8	132.8	135.9	139.0
Local area support costs	452.4	-	452.4	415.7	-	415.7	472.1	-	367.6	-	376.5	386.1	396.0	405.9	416.0
Corporate support costs	185.1	410.9	(225.8)	164.9	419.9	(255.0)	322.3	430.4	425.1	441.2	435.4	446.5	457.9	469.3	481.1
Indirect costs	291.0	213.7	77.3	224.0	182.5	41.4	393.1	187.1	285.9	191.8	292.8	300.3	307.9	315.6	323.5
Routine total	16,116.4	15,446.5	669.8	14,700.7	15,854.9	(1154.2)	16,606.7	16,251.3	17,519.0	16,657.6	17,459.8	17,690.5	18,189.6	18,972.5	19,259.4

1. All financial figures are nominal. Totals may not add due to rounding.
2. Sunwater's 2020/21 to 2023/24 budget figures are draft as at the time of publication. These figures will not be locked down until late in the financial year prior.
3. For 2017/18 and 2018/19 Sunwater has included and reported against the 2016/17 QCA recommended costs adjusted for inflation which was assumed to be 2.5%.
4. A normalised level of direct expenditure and associated overheads were included in 2017/18 routine costs to rectify an under-representation of time-sheet reporting for direct cost activities (and partially because of the organisational changes occurring) during that year.

Annuity balance and non-routine expenditure

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/rehabilitation of assets over a pre-determined period of time. The forecast annuity balances, and the impacts of budgeted non-routine spend, are shown in **Table 4**. Sunwater has used a 30-year planning period to calculate the annuity from 2020/21.

Details of the major non-routine projects planned for the 2019/20 to 2023/24 period are set out in **Appendix 1**.

Table 4: Annuity balance¹

Burdekin Haughton Distribution Service Contract	2017/18 Actual \$'000	2018/19 Forecast \$'000	2019/20 Forecast \$'000	2020/21 Forecast \$'000	2021/22 Forecast \$'000	2022/23 Forecast \$'000	2023/24 Forecast \$'000
Annuity							
Opening balance ²	1973.8	3265.3	4707.1	4929.1	5280.2	6184.5	7789.4
Non-routine spend	(2017.3)	(2042.8)	(1880.0)	(2318.9)	(2042.4)	(1611.6)	(1597.9)
Insurance proceeds receipts (if applicable)							
Prior year	-	-	-	-	-	-	-
Current year	-	-	-	-	-	-	-
Annuity contribution ³	3160.9	3239.9	3312.8	2381.7	2638.0	2855.0	3169.5
Interest/financing costs	147.8	244.6	352.6	288.2	308.7	361.6	455.4
Sunwater – Closing Balance	3265.3	4707.1	6492.4	5280.2	6184.5	7789.4	9816.5
QCA – Closing Balance	3032.5	3897.2					
Difference	232.8	809.9					

1. All financial figures are nominal. Totals may not add due to rounding.
2. The difference in the closing balance for 2019/20 and the opening balance for 2020/21 relates primarily to expenditure incurred prior to the start of the 2012 price path. These amounts have been carried forward to 2020/21 so that they can be considered as part of the QCA's review of expenditure for the new irrigation price path.
3. The annuity contribution is included in the prices paid by customers. It was set by the QCA for 2012/13 to 2016/17 and is rolled forward with the Consumer Price Index for 2017/18, 2018/19 and 2019/20. Thereafter the annuity contribution is based upon Sunwater's forecast.

Appendix 1: Non-routine projects for 2019/20 to 2023/24

The below table sets out Sunwater's currently planned non-routine projects for the 2019/20 to 2023/24 period. While the 2019/20 program is well defined, estimates become more uncertain further into the planning timeline. Forecasts are therefore subject to change in future NSPs, reflecting changes in project delivery timing, asset condition and risk updates, and outcomes from scheduled asset inspections.

Year	Work items	Work description	Budget (\$'000 nominal)
2019/20	Clare B pump station – Switchboard & control system replacement	Stage 2 works based on prior year's review of testing and agreed strategy. Budget and timing may be amended pending the final strategy. The scope of works is envisaged as installation and commissioning of specific equipment (rather than whole of system) to retain serviceability and component supportability.	303
	Regulating gate refurbishments – Various	Barratta main channel, Channel Ba5 and Channel Ba8 regulating gate refurbishments. Gates to be blasted, painted, fitted with seals/bearings and anodes, and recommissioned. Works based on the Float Regulator Gate Strategy to retain gate condition in perpetuity.	206
	Clare B pump station – Pump Unit 2 & control equipment	Project to replace unserviceable FLYGT submersible pump with modern equivalents. Works will be based on the options analysis completed in 2018/19 and will improve facility primary pumping capability and reliability. A pump control equipment upgrade will be carried out at the same time.	202
	Meter replacements	Staged upgrade of Giru Benefitted Area customer metering fleet (16) to improve metering accuracy, scheme delivery efficiency and compliance with Sunwater's standards and Australian Standard (AS) 4747.	122
	Clare A4/2 pipeline connection	The works involve interconnection of the Clare A4/2 pipeline with the Barratta main channel to divert overflow water back into the channel system (water efficiency initiative).	144
	Dalbeg B and Relift pump stations – Pump refurbishments	Dalbeg B Pump Unit 1 and Dalbeg Relift Pump Unit 1 refurbishments based on service life/hours run, to ensure continued reliable operations.	107
	Tom Fenwick pump stations 2_3 & 4_5 ventilation systems	Ventilation system refurbishment/replacement projects to reinstate filtering capability of oil bath systems.	100
	Clare, Millaroo, Dalbeg, Barratta & Haughton signs and air vents	Allocation of funds to undertake scheme-wide signage replacements and pipeline air vent works based on condition and risk. Funding allocation based on the 30 Year Irrigation Strategy.	65

Year	Work items	Work description	Budget (\$'000 nominal)
	Haughton main channel (headworks) fencing	Replace Haughton main channel boundary channel fencing 14 to 22km section due to condition and risk.	63
	Haughton main channel, Clare channel & Giru Weir options analyses	Haughton main channel (headworks) silt survey and options analysis, and Clare channel lining replacement and Giru Weir sheet pile options analyses.	60
	Other works	The balance of the 2019/20 program consists of batescrew and slide gate replacements, smaller pump station pump, motor and valve refurbishments, air vent/valve and signage refurbishments/replacements, minor metalworks, and Supervisory Control and Data Acquisition (SCADA)/Programmable Logical Controller (PLC) equipment replacements and an unplanned capital replacement allowance.	509
	2019/20 Total		1881
2020/21	Clare, Millaroo, Dalbeg & Haughton concrete lining refurbishment	Works based on the 30 Year Irrigation Strategy for concrete lined channels (Item 2.0), reflecting staged sectional refurbishment of channel lining by condition. Priority areas and scope of works subject to the 2019/20 options analysis which covers all Burdekin Haughton distribution system concrete lined channel assets.	608
	Refurbish Pump Unit 2 at Tom Fenwick pump station 2_3 & refurbish Pump Units 4 & 5 gear boxes & Pump Unit 4 seals/bearings at Tom Fenwick pump station 4_5	Works based on standard asset refurbishment period, equipment type history and condition monitoring data. Works to reinstate pump and gearboxes to as-new condition and retain facility serviceability. Scope and timing of works subject to an options analysis currently underway.	418
	Clare B, Dalbeg B & Relift pump stations – Pump replacements	Pump units at Clare B (Pump Unit 1), Dalbeg B (Pump Unit 2) and Dalbeg Relift (Pump Unit 2) pump stations are to be replaced due to service life and whole-of-life costs.	213
	Fencing refurbishment – Various	Refurbishment of fencing in the Clare, Millaroo, Dalbeg, Elliot, Barratta and Haughton sections. Works based on the 30 Year Irrigation Strategy for fencing assets (Item 12.0), reflecting staged sectional refurbishment of channel fencing by condition. Priority areas and scope of works subject to condition and risk assessment completed as part of these works.	183
	Meter replacements	Staged upgrade of Giru Benefitted Area customer metering fleet (24) to improve metering accuracy, scheme delivery efficiency and compliance with Sunwater's standards and AS4747.	199

Year	Work items	Work description	Budget (\$'000 nominal)
	Clare A and Dalbeg B pump station – PLC/SCADA replacements	Works based on standard asset life, equipment obsolescence and assessed condition (GHD 2016). Project includes the specification, procurement, supply, installation and commissioning of equipment to ensure continued reliable communications and control.	134
	Road refurbishment – Various	Refurbishment of roads in the Clare, Millaroo, Dalbeg, Elliot, Barratta and Haughton sections. Works based on the 30 Year Irrigation Strategy for roads assets (Item 11.0), reflecting staged sectional refurbishment of channel roads by condition. Priority areas and scope of works subject to condition and risk assessment completed as part of these works.	108
	Dalbeg A pump station – Suction main pipe	Pump station river suction main works to reinstate pipeline external corrosion and mechanical protection and enhance asset service life.	66
	Barratta main & lateral channels – Replace vertical slide gates	Works based on standard replacement lives and condition. Replacement gates to be like-for-like or modern equivalent subject to least whole-of-life cost. Works to reinstate isolation function and service life.	49
	Other works	Regulating gate and customer meter works in the Haughton system and other minor refurbishment works.	341
	2020/21 Total		2319
2021/22	Clare & Millaroo concrete lining refurbishment	Works based on the 30 Year Irrigation Strategy for concrete lined channels (Item 2.0), reflecting staged sectional refurbishment of channel lining by condition. Priority areas and scope of works subject to the 2019/20 options analysis.	426
	Meter replacements	Staged upgrade of Clare (4), Barratta (3) and Dalbeg (7) customer metering fleet to improve metering accuracy, scheme delivery efficiency and compliance with Sunwater's standards and AS4747.	342
	Dalbeg B pump station – Pump Unit 1, Reflux Valve 1 & switchboard	Works based on standard asset life; but will be subject to the earlier options analysis. The pump and reflux valve will be replaced together for efficiency. Minor switchboard and station building works are also planned.	118
	Regulating gate refurbishments – Various	Barratta Channel Ba1, Channel Ba5, Channel Ba8 and main channel regulating gate refurbishments. Gates to be blasted, painted, fitted with seals/bearings and anodes, and recommissioned. Works based on the Float Regulator Gate Strategy to retain gate condition in perpetuity.	209

Year	Work items	Work description	Budget (\$'000 nominal)
	Elliot pump station – Switchboard No. 2 replacement	Works based on assessed condition (GHD 2016). Project timing and scope is subject to reassessment prior to commencement. An electrical and control systems options analysis (scheduled in 2021/22) will include the review of the Switchboard No. 2 replacement.	105
	Elliot pump station – Replace bulk flow meters	Meter replacement based on standard service life. Pump station meter replacements to improve accuracy, scheme delivery efficiency and compliance with Sunwater's standards and AS4747.	92
	Millaroo B pump station – Refurbish pump & non-return valves	Pump Unit 3 and non-return valves 1, 2, 3 refurbishments are based on standard periods. Works are to reinstate as-new function and maximise asset life.	129
	Clare A pump station – Refurbish Pump Unit 1 & 4 & replace non-return valve 1	Pump Unit 1 refurbishment based on standard period. Non-return valves and Pump Unit 4 have reached the end of service life and are due for replacement. Works will be coordinated to minimise supply disruptions.	93
	Tom Fenwick pump station – Replace sump pumps & surge suppression units	Replacement of pump motor surge suppressors (ZORC) and station sump pumps are based on standard asset life. ZORCs provide electrical surge suppression for the high voltage motor windings and long-term reliability of the asset. Sump pump replacement to reinstate function and asset life.	45
	Millaroo Relift pump station – Replace pump priming system	Priming system replacement based on standard asset life. Assets to be condition assessed before confirming replacement time, scope and costings.	53
	Other works	The balance of the 2021/22 program consists of third-party hoist and crane inspections, asset replacement options analyses and smaller pump, valve, gate and screen works.	430
	2021/22 Total		2042
2022/23	Clare A pump station – Electrical cable (pump feeders & related) replacement	Works based on asset ages and condition assessment (GHD 2016). Project budget, timing and scope will be subject to an options analysis scheduled for 2021/22. The works are intended to reduce operating risks associated with aged cables and reinstate asset service life.	422
	Elliot pump station – Switchboard & supply panel (SWB1), PLC/SCADA control system, & light & power replacements	Works based on asset service life and assessed condition (GHD 2016). Project timing and scope is subject to reassessment prior to commencement. An electrical and control systems options analysis (scheduled in 2021/22) will include the review of the Switchboard No. 1 and related asset replacements.	335

Year	Work items	Work description	Budget (\$'000 nominal)
	Meter replacements	Staged upgrade of Clare customer metering fleet (6) to improve metering accuracy, scheme delivery efficiency and compliance with Sunwater's standards and AS4747.	173
	Tom Fenwick pump station 2_3 ventilation systems	Planned replacement of the ventilation system based on asset age; to be reviewed post 2019/20 filtration works and amended as required to achieve least whole-of-life cost.	166
	Tom Fenwick pump station – Security system replacement	Planned security hardware replacement based on asset age and reliability for Tom Fenwick 1, 2_3 and 4_5 stations.	99
	Tom Fenwick pump station – Refurbish Pump Unit 2 reduction gearbox	Gear box refurbishment based on standard period. Works to dismantle and overhaul reduction gearbox to ensure continued reliable service and maximise asset life.	96
	Tom Fenwick pump station – Refurbish cooling water units	Refurbishment of cooling water units to ensure continued reliable operation of the pump/motor/gearbox arrangement.	81
	Haughton main channel (headworks) radial gate refurbishment	Radial gates RG05 (left and right) planned refurbishment – blasting/painting, seals, bearings and anodes – to ensure extended service life.	67
	Other works	The balance of the 2022/23 program consists of screen refurbishments, bulkhead gate seals, a couple of minor options analyses and smaller civil, mechanical and electrical works.	173
	2022/23 Total		1612
2023/24	Millaroo A pump station – Control system replacement	The pump station control system equipment, though operating reliably, is beyond its standard service life. The replacement project will utilise the findings from a scheduled (2019) options analysis to cost effectively upgrade the equipment to retain station operability and control.	190
	Haughton & Barratta main channel – Batescrew gate replacements (21)	Works based on standard asset life. Condition assessment data is aged due to access and will need to be updated to confirm project timing and scope. The gates deteriorate due to corrosion and decay rates are well established. Replacement gate type to be considered for least whole-of-life cost prior to project commencing.	180
	Dalbeg B pump station – Electrical supply cable replacement	Works based on standard asset life only (condition assessment data inadequate). Project progression will be subject to reassessment of condition to confirm timing, scope, budget and likely an options analysis pending revised replacement costs.	175
	Elliot pump station – Pump Unit 1 replacement	Pump Unit 1 replacement based on asset age, condition and whole-of-life costs.	172

Year	Work items	Work description	Budget (\$'000 nominal)
	Haughton, Dalbeg, Millaroo & Barratta regulating gate refurbishments	Barratta Channel Ba5 and Dalbeg, Millaroo and Haughton main channel regulating gate refurbishments. Gates to be blasted, painted, fitted with seals/bearings and anodes, and recommissioned. Works based on the Float Regulating Gate Strategy to retain gate condition in perpetuity.	123
	Meter replacements	Staged upgrade of Clare Channel B8 customer metering fleet (3) to improve metering accuracy, scheme delivery efficiency and compliance with Sunwater's standards and AS4747.	109
	Millaroo main channel – High-density polyethylene channel lining replacement	Works based on standard asset life. Project progression will be subject to condition reassessment and an options analysis to confirm the timing, scope, prudence and efficiency of undertaking the works.	99
	Haughton main channel – Control system/equipment replacement	Regulating gate control system replacements (9 sites) are based on standard equipment service lives. Control equipment requires periodic replacement/upgrade to ensure forward compatibility, reliability and technical support.	87
	Burdekin SCADA distribution system & Mt Dalrymple repeater refurbishment/replacement	Works based on electronic equipment standard life (not condition assessed) and subject to technology compatibility and obsolescence issues. Review will be conducted prior to works commencing to confirm equipment specifications and costs.	81
	Haughton main channel (headworks) radial gate refurbishment	Radial gates RG06 (left and right) planned refurbishment – blasting/painting, seals, bearings and anodes – to ensure extended service life.	51
	Other works	The balance of the 2023/24 program consists of minor pump station pump, valve and motor refurbishments, and smaller mechanical/civil and electrical works.	331
	2023/24 Total		1598

Contact us

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We consider and respond to all submissions, publishing all responses on our website.

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