



Bundaberg Water Supply Scheme

Scheme Summary

Thursday 16 November 2023

First Nations Commitment Statement

Sunwater acknowledges Aboriginal and Torres Strait Islander peoples as the first peoples of this country and Traditional Owners and Custodians of the land and water we rely on. We respect and value their continued sacred connection to Country, including the diverse, rich traditions, languages and customs that are the longest living in the world. We acknowledge their resilience in the face of significant and ongoing historical, cultural and political change within Australia. We recognise and value the importance of truth-telling today, and our role to listen and learn. Our vision for reconciliation is that we are a nation of unity and fairness for all; a nation that owns its history and acknowledges its First Nations peoples, their strength and their living culture.

Our goal is to work together to realise mutual benefits with First Nations peoples through authentic relationships and respect for cultural value; fostering a sense of belonging and pride in our people, community, customers and stakeholders. We can learn so much from Traditional Custodians who have cared for Country for thousands of years in the way we sustainably manage water and land. Going beyond compliance and embedding reconciliation into core business practices and decision making brings to life our purpose of Delivering Water for Prosperity through Valuing People, Working Together and Taking Responsibility.

This commitment has been endorsed by our Board and Executive Leadership team and reflects what our people, communities, and Shareholders expect of us. Aligned with our Code of Conduct, which describes how we work together no matter our role or where we are located, this commitment statement will be enabled through an Aboriginal and Torres Strait Islander recognition, engagement and participation strategy.

Agenda for today

What to expect from Sunwater



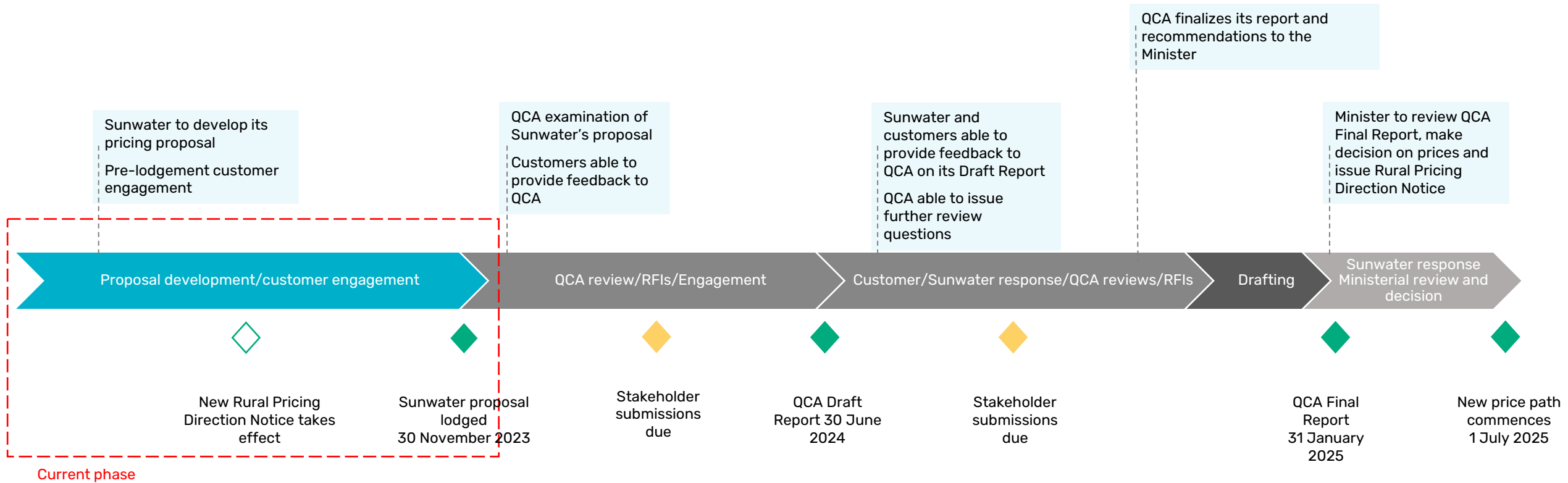
sunwater

We told you we would deliver 3 stages of engagement

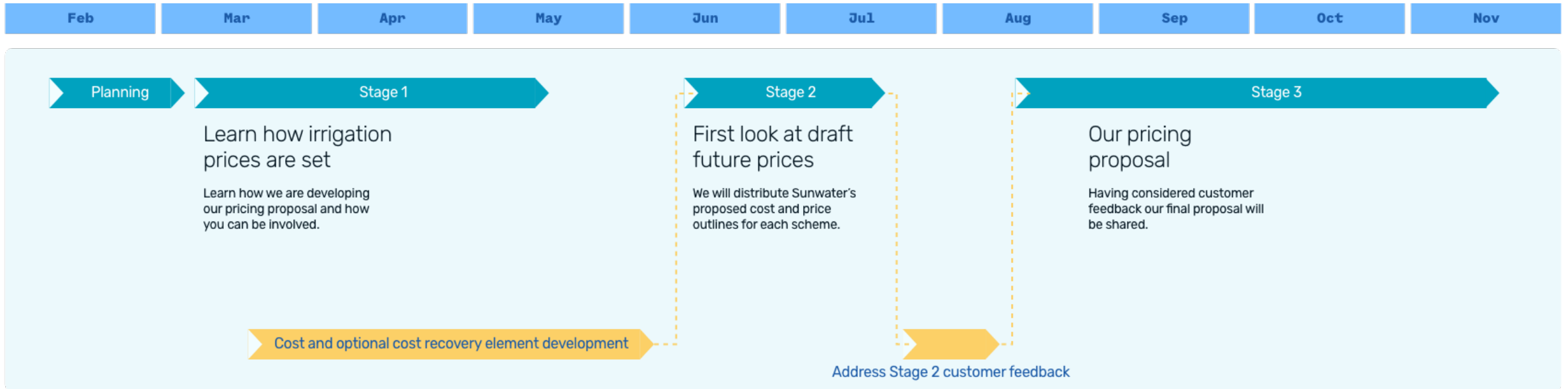
This is Stage 3 and today will go over:

Process	How we got to this point, where to next
Opex	Review outcomes, final forecast
Renewals	
Feedback	What customers have told us, how we have responded
Proposal	Sunwater's final proposal
Prices	Cost reflective and recommended

Recap – Timeline to 1 July 2025



Customer engagement



Customer feedback

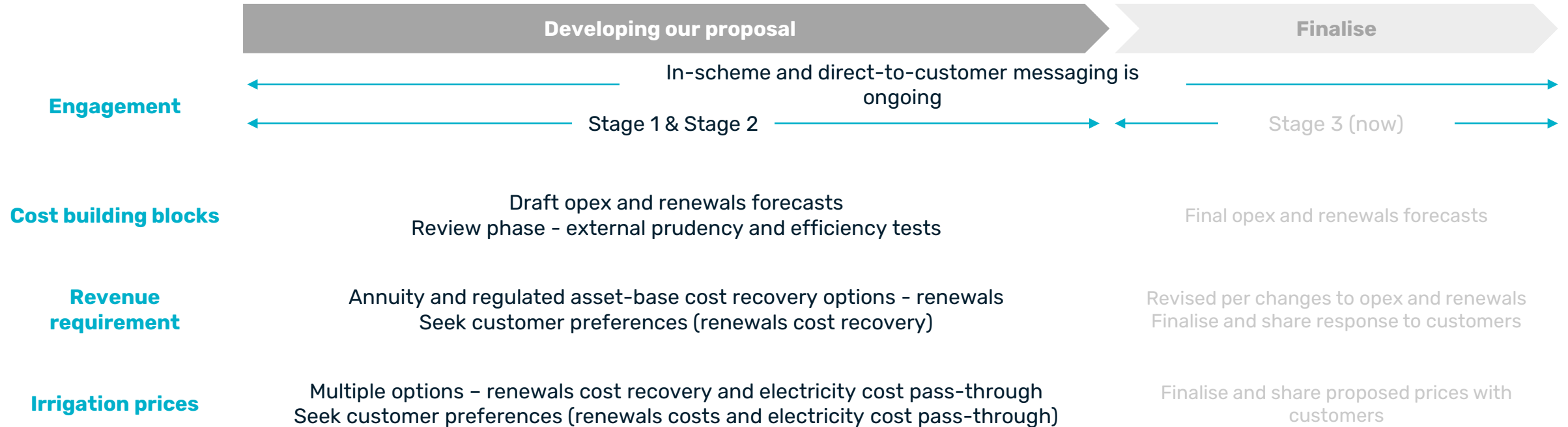
What customers requested:

- more detailed information on scheme-specific costs including specific details on renewals expenditure

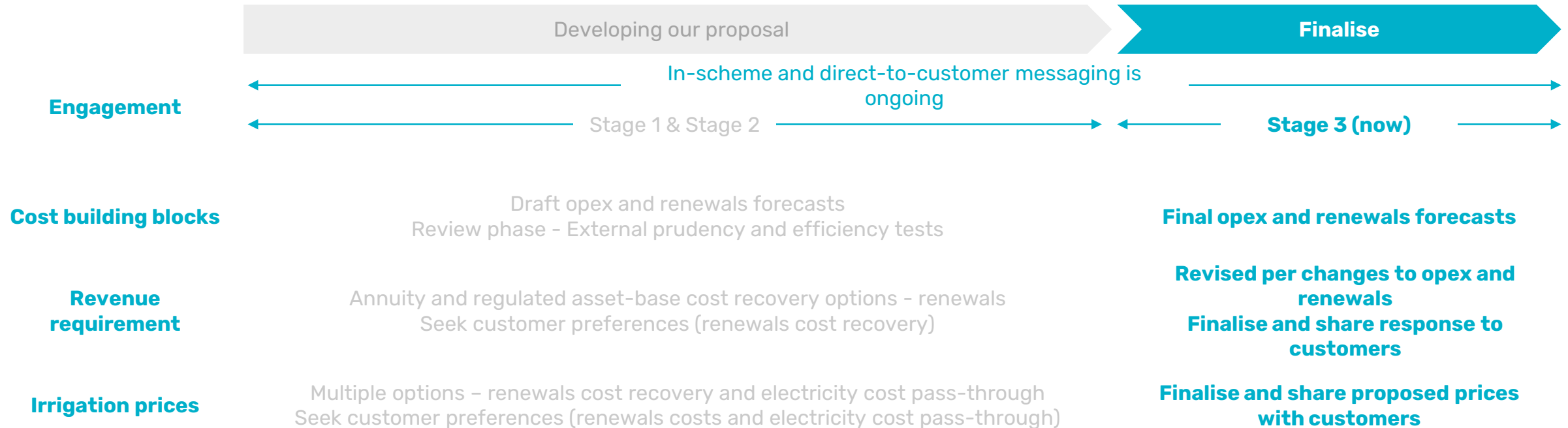
What we did:

- ✓ Our Stage 3 engagement materials include details on scheme specific opex costs and renewals projects

Our customers have helped shape our proposal

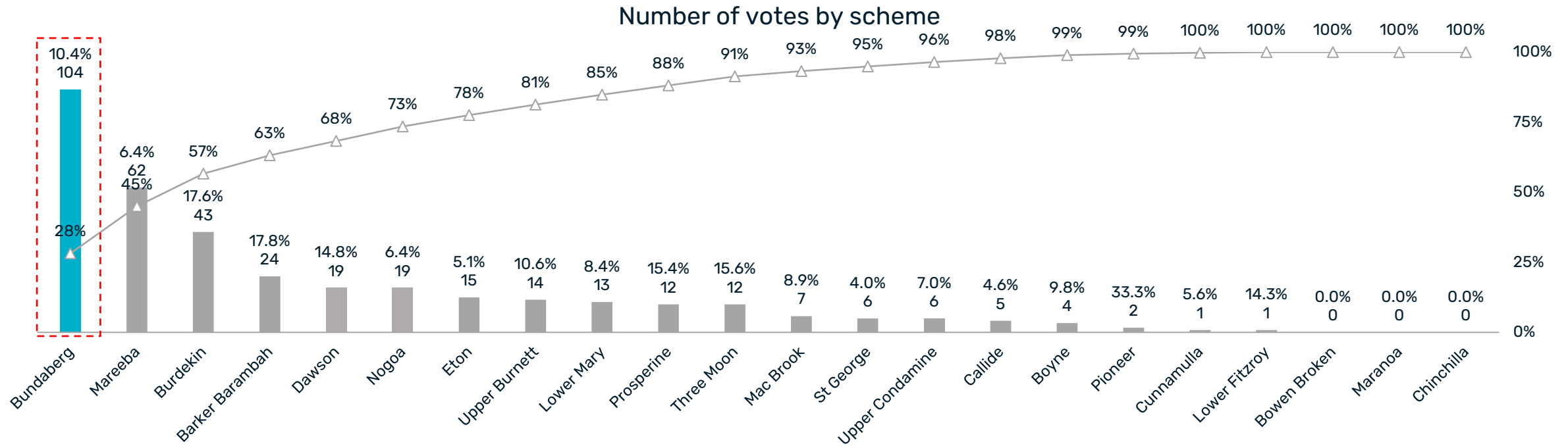


Our customers have helped shape our proposal – now it's ready to finalise



What customers told us – feedback process

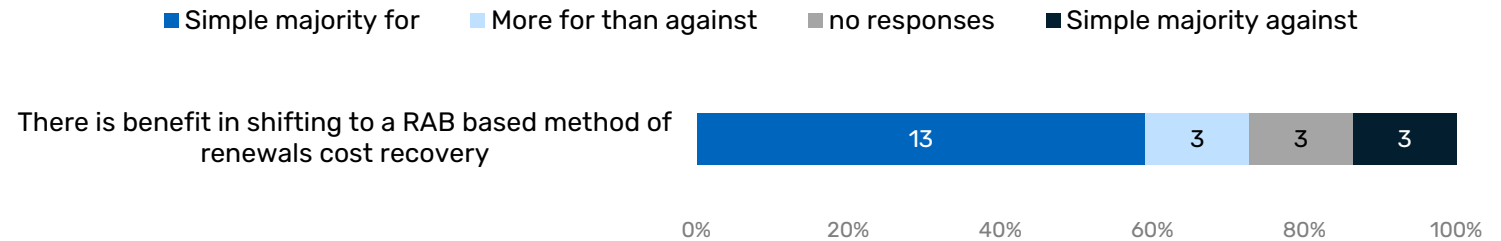
- 10.4 per cent scheme response rate



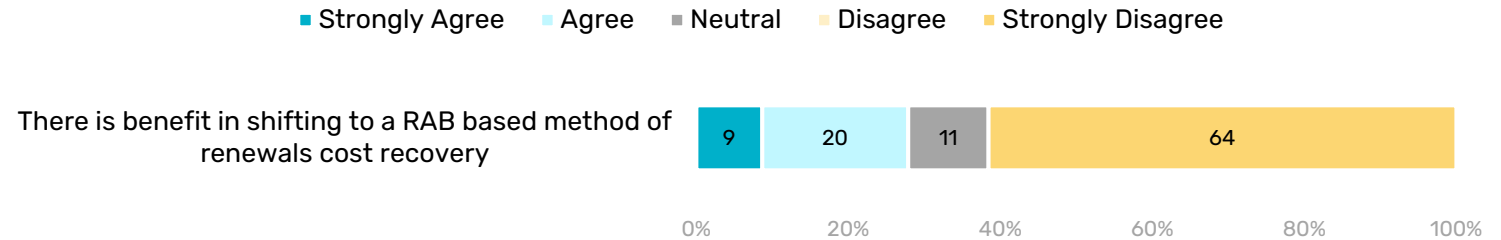
What customers told us – RAB Proposal

- Put forward as a change to all water supply schemes
- Sunwater has included a shift to a RAB as part of its submission
- GoVote results show broad customer support

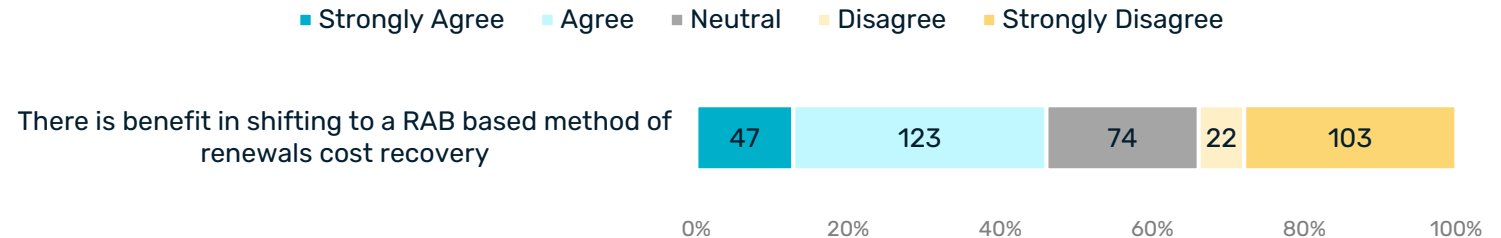
Sentiment by scheme



Scheme responses



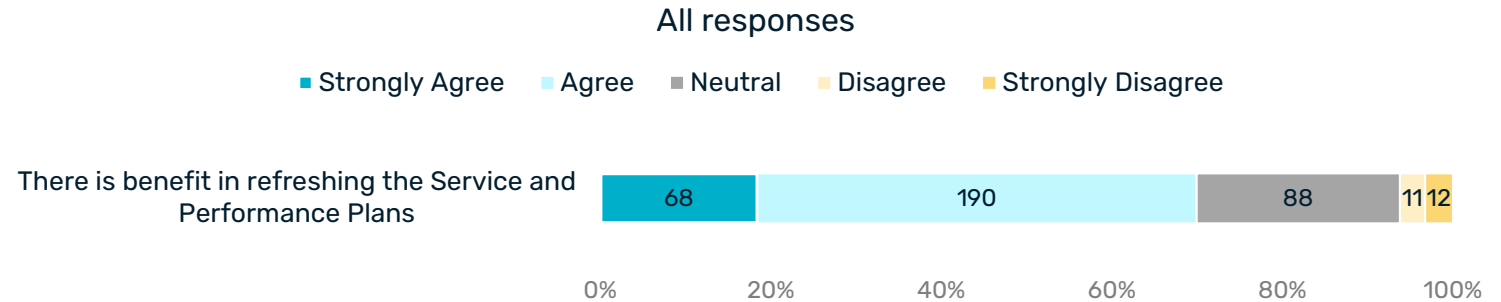
All responses



What customers told us – Other proposals

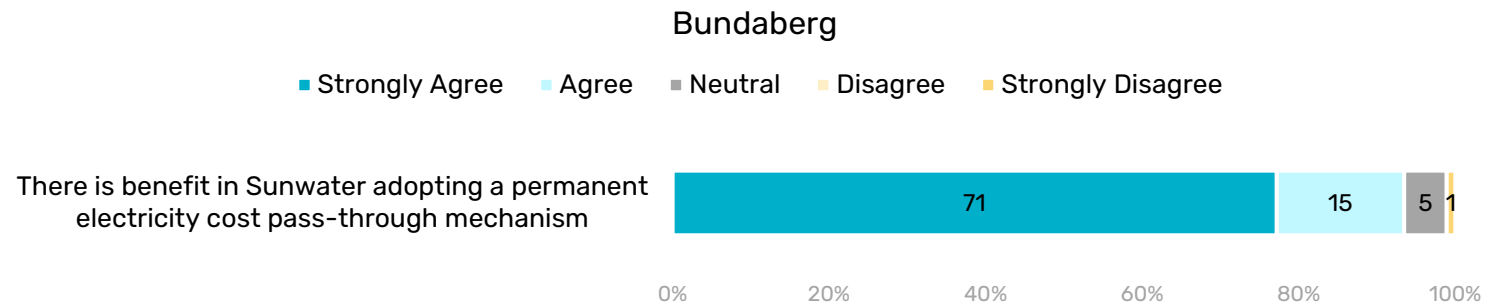
Service and Performance Plans (S&PPs)

- Clear customer support for a refresh of the S&PPs
- Working on publishing 2022-23 actuals in December 2023
- Sunwater welcomes feedback on the content of the refreshed S&PPs



ECPT

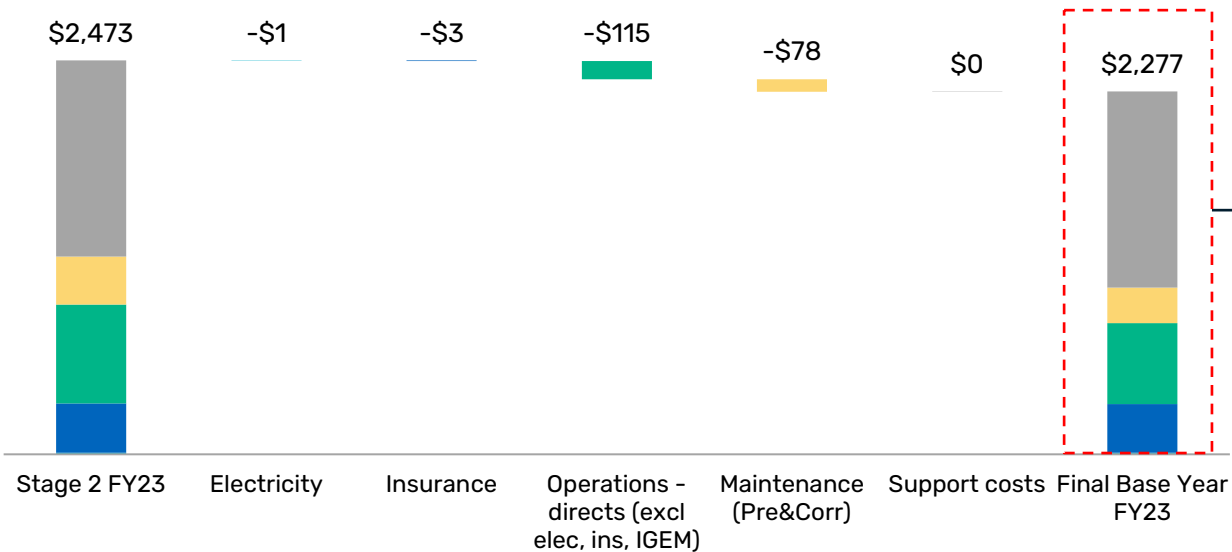
- 93.5 per cent of eligible customers (86) responded “strongly agree” or “agree”
- Sunwater welcomes further feedback



Bundaberg Supply

Opex base-year and how it changed from Stage 2

Derivation of opex base year - from Stage 2 to Stage 3 engagement ('000s)



These numbers take the base year and add

- Billing system renewal opex allowance (\$348k per annum)
- Inflation forecasts.

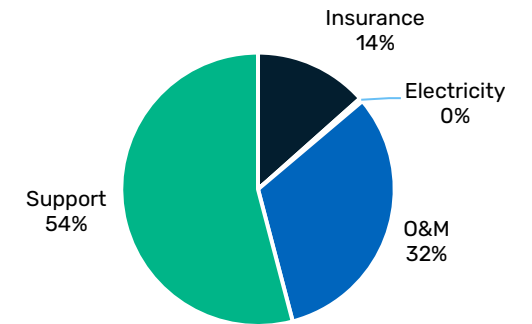
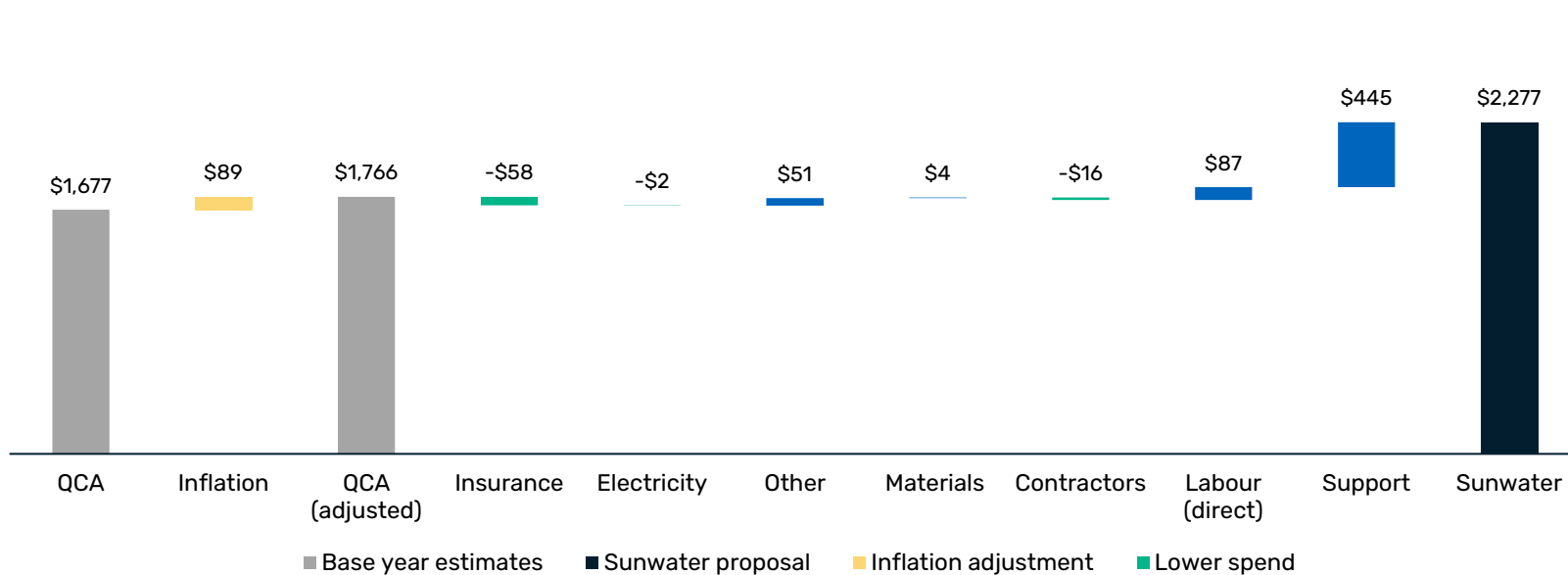
Change

	Electricity	Insurance	Operations - directs (excl elec, ins, IGEM)	Maintenance (Pre&Corr)	Support costs	Final Base Year FY23
EOFY	-1	-3	+42	-59	+0	-20
Pricing	+0	+0	-157	-19	+0	-176
Total	-1	-3	-115	-78	+0	-196

Cost categories	2025-26	2026-27	2027-28	2028-29
Insurance	\$416.2	\$426.0	\$435.6	\$444.3
Electricity	\$12.4	\$12.7	\$13.0	\$13.3
Ops & Maint	\$798.6	\$817.9	\$835.2	\$851.8
Support costs	\$1,697.7	\$1,717.9	\$1,756.3	\$1,793.0
Opex total	\$2,925.0	\$2,974.6	\$3,040.1	\$3,102.4

Base year comparison with QCA

Drivers of difference by cost category (after inflation effects) (\$'000s)



Base year broken into major spend categories

Renewals expenditure - Current pricing period

Current pricing period expenditure and renewals roll-forward (\$'000s)

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	
	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	
			<i>Current price path period</i>					
Opening balance		-\$11,173.2	-\$13,897.7	-\$17,456.8	-\$17,732.6	-\$17,146.8	-\$16,837.2	
Expenditure		-\$2,902.0	-\$5,326.6	-\$1,908.9	-\$1,061.9	-\$1,400.9	-\$2,152.1	
		<i>Aggregate spend for roll-forward period =-\$14,752.4</i>						
Insurance proceeds								
Annuity contribution		\$666.0	\$2,375.1	\$2,396.4	\$2,423.0	\$2,460.1	\$2,515.3	
Interest		-\$488.5	-\$607.6	-\$763.3	-\$775.3	-\$749.7	-\$736.2	
Closing balance¹	-\$11,173.2	-\$13,897.7	-\$17,456.8	-\$17,732.6	-\$17,146.8	-\$16,837.2	-\$17,210.3	

1. Sunwater expects to have delivered \$14.8M in renewals activities for the 2019-20 to 2024-25 period.
2. The QCA allowance for the same period was \$18.7M.
3. Bundaberg (Supply) is forecast to have a negative annuity closing balance.
4. The opening RAB balance for the scheme has been set at \$17.2M.

Significant projects (by value) delivered in this period (\$'000s)

Project name	Year	Value
22BU01-Replace Ben Anderson Barrage Shutters	2020-27	\$2,379.9
21BUN17-Refurbishment - Joint Seals & Concrete - Ned Churchward Weir	2021-22	\$248.5
Refurbish Ben Anderson Barrage Outlet Works Gates	2022-23	\$194.2

Renewals expenditure – Forecast

Internal and external prudence and efficiency review

Recommended cost and timing adjustments

Identified new programs

Program	Adjustment to timing (years)	Percentage adjustment to costs
Switchboard and Control Renewal	1	13.8%
Meters	0	-1.3%
Instrumentation	0	-0.6%
Valve Renewal and Replacement	5	-7.3%
Dam-Related Works	0	-2.8%
Safety and Security Assets	0	-22.3%
Pump & Motor	0	-3.8%
Gates	6	-15.2%
SCADA	0	-38.0%
Pipeline Refurbishment / Replacement	15	-7.3%
Channel re-lining and re-shaping	0	2.0%
Civil and Roads (inlet / outlet towers)	1	-2.3%
Mechanical / Minor Works	0	0
Individual Projects	2	-6.1%

Renewals expenditure – Forecast

Internal and external prudence and efficiency review

Recommended cost and timing adjustments

Identified new programs



Most significant additions for your scheme shown on next slide



Program	Scope	Range	Recommended
Dam Instrumentation	<ul style="list-style-type: none"> Inconsistencies / gaps in monitoring and management of safety instrumentation across dam sites A risk-based approach for the management and monitoring of instrumentation to provide early warning of the development of trends and behaviours Program of works covering the FY21 to FY28 period 	Low = \$8M High = \$35M	\$18M covering project definition, business case development for recommended site improvements, and construction activities associated with 10 most critical sites
Arc Flash	<ul style="list-style-type: none"> Staff entering and operating facilities with switchboards are exposed to arcflash risks Possibility to cause serious long-term harm or death Review of all relevant Sunwater sites – identified 109 sites for investment to mitigate risk 	Low = \$4.3M High = \$50.5M	\$11M covering triage and installation of upstream protection devices and Arc Flash detection relays
Smart Meters	<ul style="list-style-type: none"> Improved ability to manage water, compliance and safety risks via deployment of smart meters 	Low = \$2.1M High = \$8.4M	\$4.2M applying meters to gauging stations and 80% of volume in priority schemes
Dam Safety Management	<ul style="list-style-type: none"> Risk management planning and ALARP activities require a range of activities including investigative studies – compliance driven 	Low = \$0M High = \$18.4M	\$8.3M covering required studies for priority dams considered to have a low likelihood of capital intervention

Renewals expenditure – Forecast (four years RAB-aligned)

Bundaberg Supply – Price path period – forecast renewals expenditure (\$'000s)

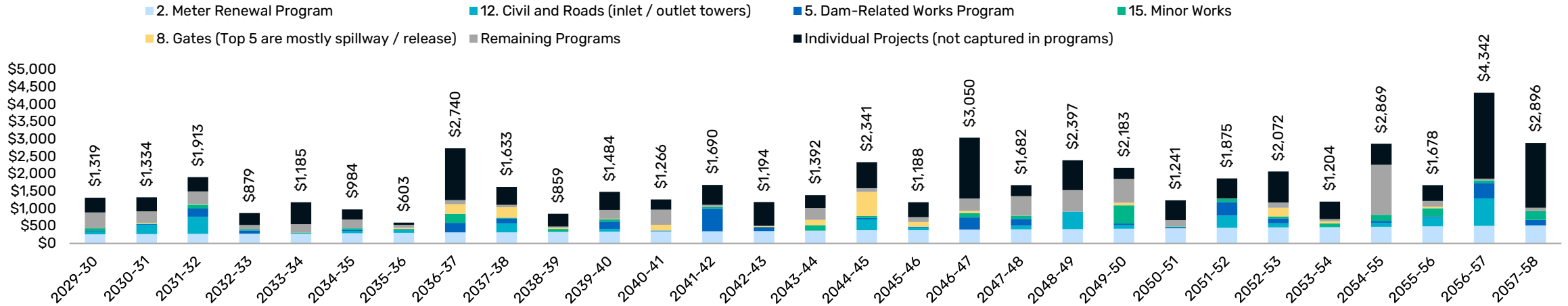
Category	2025-26	2026-27	2027-28	2028-29	Aggregate	Percentage
18. Dam Instrumentation Program ★	\$0.0	\$2,475.4	\$0.0	\$0.0	\$2,475.4	31%
13. Mechanical	\$1,579.4	\$263.4	\$113.2	\$0.0	\$1,956.0	25%
2. Meter Renewal Program	\$229.2	\$236.7	\$238.3	\$257.8	\$962.1	12%
17. Arc Flash Program ★	\$429.9	\$266.3	\$0.0	\$0.0	\$696.2	9%
5. Dam-Related Works Program	\$12.1	\$207.3	\$74.9	\$0.0	\$294.3	4%
Remaining programs	\$61.9	\$390.3	\$70.1	\$89.5	\$611.8	8%
Sub-total – programs	\$2,312.7	\$3,839.4	\$496.5	\$347.3	\$6,995.9	88%
Projects not captured in programs	\$0.0	\$564.6	\$133.2	\$271.1	\$968.9	12%
Total	\$2,312.7	\$4,404.0	\$629.7	\$618.4	\$7,964.8	100%
<i>Capex</i>	\$659.2	\$3,048.9	\$238.3	\$257.8	\$4,204.3	53%
<i>Renewals opex</i>	\$1,653.5	\$1,355.1	\$391.4	\$360.6	\$3,760.6	47%

Our review process has lifted the 4-year forecast

\$5.2M to \$8M

(↑ \$2.8)

Renewals expenditure - Forecast (rest of the annuity period - out to 2057-58)



Project name	Commencement year	Value	Percentage total
Replace Meter Program Burnett River Meter Outlets	2025	\$5,748	11%
Replace Meter Program - Kolan River	2025	\$5,242	10%
Inspect Ground Bed (Impressed Current) - D/S - Ben Anderson Barrage 25.7 Km - Cathodic Protection (Impressed)	2027	\$1,855	4%
Study: Comprehensive Risk Assessment Dam - Fred Haigh Dam	2027	\$1,784	3%
Replace Pump Station Suction Guard Valve - Fred Haigh Dam - Outlet Works	2055	\$1,347	3%
Other	Varies	\$35,518	69%
Total		\$51,494	100%

Projects shown in this table may include multiple instances of a planned corrective maintenance activity due to occur at intervals throughout the 2029-30 to 2057-58 period

Our review process has lowered the aggregate forecast for the 2029-30 to 2057-58 period

\$68.4M to \$51.5M

(↓ \$16.9M)

Sunwater's proposal for Bundaberg Supply

Bundaberg Supply – Forecast revenue requirement (inclusive of revenue adjustments) (\$'000s)

Numbers may not add due to rounding

Total 4-year scheme-level revenue requirement of \$23.6M for the Bundaberg Supply

Prices that reflect a RAB methodology

Refreshed S&PPs

Building block	2025-26	2026-27	2027-28	2028-29	Aggregate	Percentage
Price path related expenditure						
Opex	\$2,925.0	\$2,974.6	\$3,040.1	\$3,102.4	\$12,042.1	51.0%
Renewals opex	\$1,653.5	\$1,355.1	\$391.4	\$360.6	\$3,760.6	15.9%
Capital returns	\$1,213.5	\$1,802.8	\$2,022.4	\$2,064.2	\$7,102.8	30.1%
Tax allowance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	0.0%
Sub-total	\$5,791.9	\$6,132.4	\$5,454.0	\$5,527.2	\$22,905.5	97.0%
Revenue adjustments						
Revenue transfer ¹	\$57.9	\$60.5	\$58.6	\$56.7	\$233.7	1.0%
Revenue offsets	-\$2.0	-\$2.1	-\$2.1	-\$2.2	-\$8.5	0.0%
Insurance review	\$10.4	\$10.7	\$11.0	\$11.2	\$43.2	0.2%
QCA fee ²	\$105.6	\$108.6	\$111.6	\$114.7	\$440.4	1.9%
Sub-total	\$171.8	\$177.6	\$179.0	\$180.4	\$708.9	3.0%
Total	\$5,963.8	\$6,310.0	\$5,633.0	\$5,707.6	\$23,614.4	100.0%

Note 1: Consistent with past practice, Sunwater has transferred (from Bundaberg Distribution to Bundaberg Supply) a portion of revenue associated with Gin Gin main channel, recognising its bulk water function.

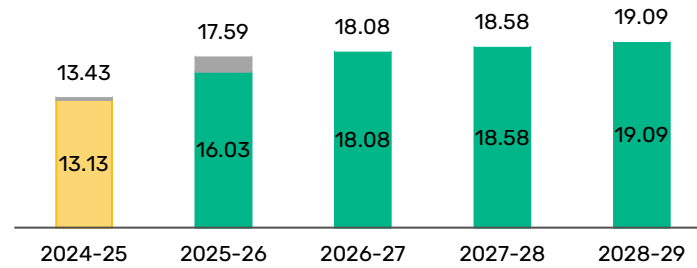
Note 2: The QCA fee is apportioned to each scheme on the basis of irrigation entitlements.

Prices

Bundaberg River
(Supply)

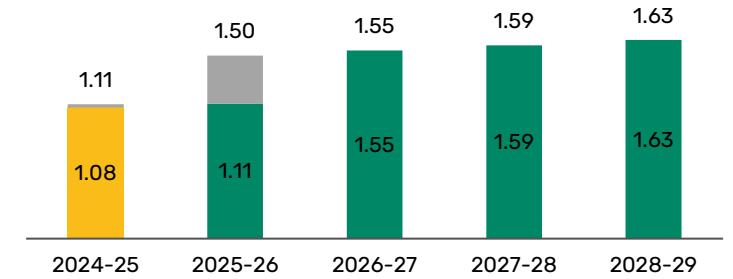
PO Change
2.9%

Part A - Medium Priority (\$/ML)



PO Change
-25.9%

Part B (\$/ML)



Bundaberg Distribution

Opex base-year and how it changed from Stage 2

Derivation of opex base year - from Stage 2 to Stage 3 engagement ('000s)



These numbers take the base year and add inflation forecasts

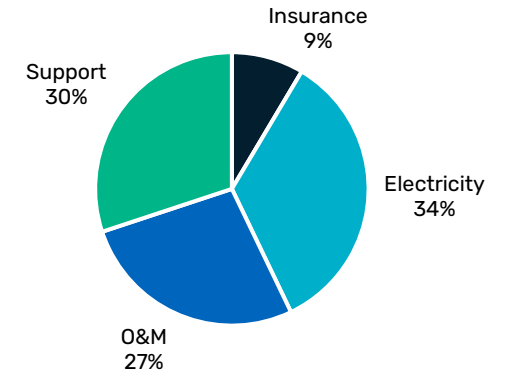
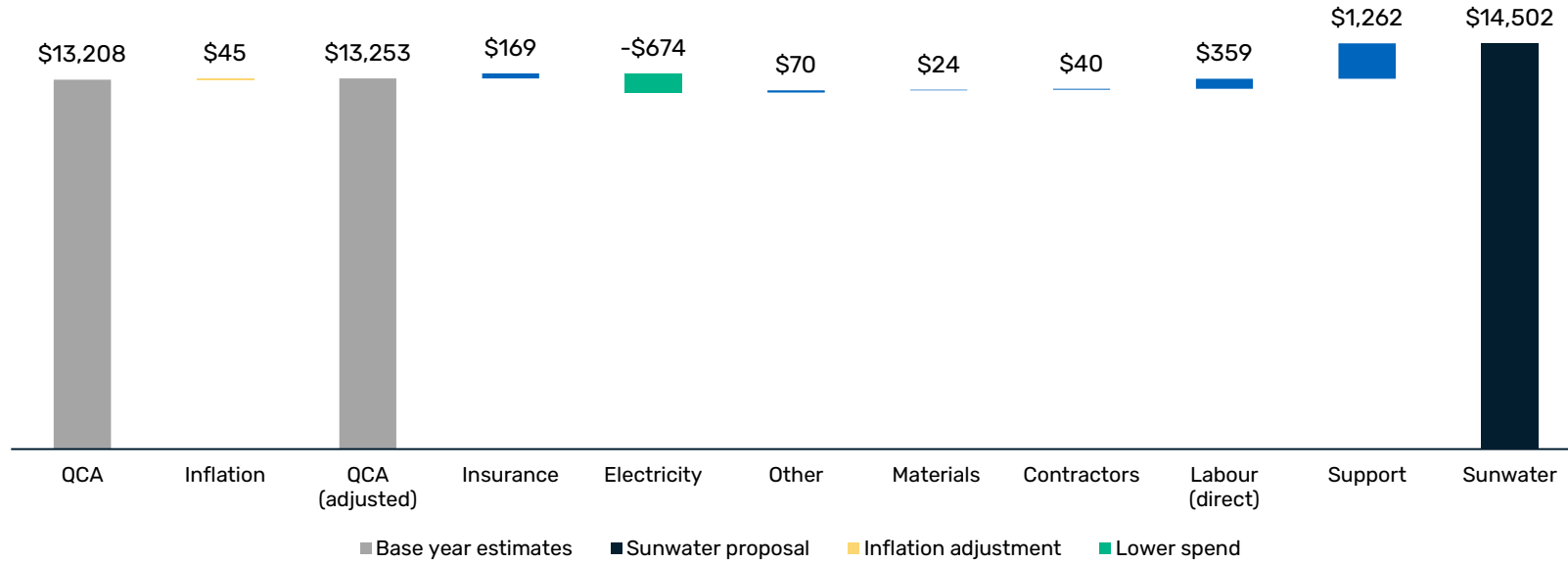
Change

	Electricity	Insurance	Operations - directs (excl elec, ins, IGEM)	Maintenance (Pre&Corr)	Support costs	Total
EOFY	-1,878	-12	+358	+181	+1,024	-328
Pricing	+551	+0	-479	-47	+0	+24
Total	-1,328	-12	-121	+133	+1,024	-304

Cost categories	2025-26	2026-27	2027-28	2028-29
Insurance	\$1,686.8	\$1,726.8	\$1,765.7	\$1,801.0
Electricity	\$5,221.5	\$5,305.1	\$5,400.6	\$5,508.6
Ops & Maint	\$4,285.2	\$4,388.4	\$4,481.6	\$4,570.7
Support costs	\$4,770.8	\$4,886.7	\$4,989.8	\$5,089.1
Opex total	\$15,964.3	\$16,306.9	\$16,637.6	\$16,969.3

Base year comparison with QCA

Drivers of difference by cost category (after inflation effects) (Values in thousands)



Base year broken into major spend categories

Renewals expenditure – Current pricing period

Current pricing period expenditure and renewals roll-forward (\$'000s)

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	
	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	
			<i>Current price path period</i>					
Opening balance		\$8,783.2	\$8,812.8	\$7,863.1	\$5,479.3	\$2,648.5	-\$1,931.2	
Expenditure		-\$2,357.4	-\$2,921.6	-\$4,383.9	-\$4,771.5	-\$6,469.2	-\$10,911.8	
		<i>Aggregate spend for roll-forward period =-\$31,815.5</i>						
Insurance proceeds								
Annuity contribution		\$2,002.9	\$1,586.7	\$1,656.3	\$1,701.1	\$1,773.8	\$1,813.5	
Interest		\$384.0	\$385.3	\$343.8	\$239.6	\$115.8	-\$84.4	
Closing balance¹	\$8,783.2	\$8,812.8	\$7,863.1	\$5,479.3	\$2,648.5	-\$1,931.2	-\$11,113.9	

1. Sunwater expects to have delivered \$31.8M in renewals activities for the 2019-20 to 2024-25 period.
2. The QCA allowance for the same period was \$11M.
3. Bundaberg (Distribution) is forecast to have a negative annuity closing balance.
4. The opening RAB balance has been set at \$11.1M.

Significant projects (by value) delivered in this period (\$'000s)

Project name	Year	Value
Upgrade Electrical System Woongarra Pump Station	2017-21	\$2,081.9
Tirroan PSTN LV switchboard	2022-25	\$1,846.8
12BIA03 Replace Control System – Bullyard Pump Station	2021-23	\$866.4

Renewals expenditure – Forecast

Internal and external prudence and efficiency review

Recommended cost and timing adjustments

Identified new programs

Program	Adjustment to timing (years)	Percentage adjustment to costs
Switchboard and Control Renewal	1	13.8%
Meters	0	-1.3%
Instrumentation	0	-0.6%
Valve Renewal and Replacement	5	-7.3%
Dam-Related Works	0	-2.8%
Safety and Security Assets	0	-22.3%
Pump & Motor	0	-3.8%
Gates	6	-15.2%
SCADA	0	-38.0%
Pipeline Refurbishment / Replacement	15	-7.3%
Channel re-lining and re-shaping	0	2.0%
Civil and Roads (inlet / outlet towers)	1	-2.3%
Mechanical / Minor Works	0	0
Individual Projects	2	-6.1%

Renewals expenditure – Forecast

Internal and external prudence and efficiency review

Recommended cost and timing adjustments

Identified new programs



Most significant additions for your scheme shown on next slide



Program	Scope	Range	Recommended
Dam Instrumentation	<ul style="list-style-type: none"> Inconsistencies / gaps in monitoring and management of safety instrumentation across dam sites A risk-based approach for the management and monitoring of instrumentation to provide early warning of the development of trends and behaviours Program of works covering the FY21 to FY28 period 	Low = \$8M High = \$35M	\$18M covering project definition, business case development for recommended site improvements, and construction activities associated with 10 most critical sites
Arc Flash	<ul style="list-style-type: none"> Staff entering and operating facilities with switchboards are exposed to arcflash risks Possibility to cause serious long-term harm or death Review of all relevant Sunwater sites – identified 109 sites for investment to mitigate risk 	Low = \$4.3M High = \$50.5M	\$11M covering triage and installation of upstream protection devices and Arc Flash detection relays
Smart Meters	<ul style="list-style-type: none"> Improved ability to manage water, compliance and safety risks via deployment of smart meters 	Low = \$2.1M High = \$8.4M	\$4.2M applying meters to gauging stations and 80% of volume in priority schemes
Dam Safety Management	<ul style="list-style-type: none"> Risk management planning and ALARP activities require a range of activities including investigative studies – compliance driven 	Low = \$0M High = \$18.4M	\$8.3M covering required studies for priority dams considered to have a low likelihood of capital intervention

Renewals expenditure – Forecast (four years RAB-aligned)

Bundaberg Distribution – Price path period – forecast renewals expenditure (\$'000s)

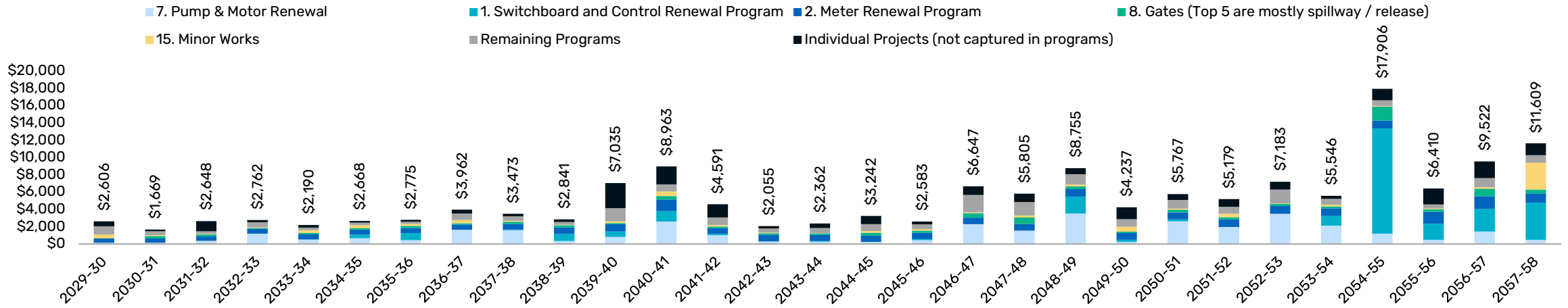
Category	2025-26	2026-27	2027-28	2028-29	Aggregate	Percentage
1. Switchboard and Control Renewal Program	\$1,927.2	\$355.6	\$307.3	\$8.7	\$2,598.7	19%
17. Arc Flash Program ★	\$1,395.8	\$864.6	\$0.0	\$0.0	\$2,260.4	17%
2. Meter Renewal Program	\$602.3	\$477.9	\$500.8	\$480.3	\$2,061.3	15%
20. Dam Safety Management Program ★	\$0.0	\$0.0	\$415.5	\$899.0	\$1,314.5	10%
7. Pump & Motor Renewal	\$340.8	\$552.4	\$108.9	\$64.8	\$1,066.9	8%
Remaining programs	\$497.1	\$1,078.1	\$602.5	\$807.0	\$2,984.7	22%
Sub-total – programs	\$4,763.1	\$3,328.5	\$1,934.9	\$2,259.9	\$12,286.4	90%
Projects not captured in programs	\$0.0	\$717.7	\$514.5	\$81.2	\$1,313.4	10%
Total	\$4,763.1	\$4,046.3	\$2,449.4	\$2,341.0	\$13,599.8	100%
<i>Capex</i>	\$3,483.3	\$1,348.3	\$1,275.3	\$1,679.8	\$7,786.7	57%
<i>Renewals opex</i>	\$1,279.8	\$2,698.0	\$1,174.1	\$661.2	\$5,813.1	43%

Our review process has lifted the 4-year forecast

\$10.7M to \$13.6M

(↑ \$2.9)

Renewals expenditure - Forecast (rest of the annuity period - out to 2057-58)



Project name	Commencement year	Value	Percentage total
Replace Pump - Bullyard Pump Station	2051	\$6,209	4%
Replacement of High Voltage Switchboard - Quart Pot Creek Pump Station	2025	\$5,656	4%
Replacement of Switchboards - Don Beattie Pump Station	2025	\$5,650	4%
Customer Meter Replacement Allocation Isis	2025	\$5,422	4%
Customer Meter Replacement Allocation Woongarra	2025	\$5,111	3%
Other	Varies	\$123,997	81%
Total		\$152,044	100%

Projects shown in this table may include multiple instances of a planned corrective maintenance activity due to occur at intervals throughout the 2029-30 to 2057-58 period

Our review process has lowered the aggregate forecast for the 2029-30 to 2057-58 period

\$348M to \$153M

(↓ \$195M)

Sunwater's proposal for Bundaberg Distribution

Bundaberg Distribution – Forecast revenue requirement (inclusive of revenue adjustments) (\$'000s)

Numbers may not add due to rounding

Total 4-year scheme-level revenue requirement of \$76.3M for Bundaberg (Distribution)

Prices that reflect a RAB methodology

Refreshed S&PPs

Building block	2025-26	2026-27	2027-28	2028-29	Aggregate	Percentage
Price path related expenditure						
Opex	\$15,964.3	\$16,306.9	\$16,637.6	\$16,969.3	\$65,878.1	86.3%
Renewals opex	\$1,279.8	\$2,698.0	\$1,174.1	\$661.2	\$5,813.1	7.6%
Capital returns	\$592.5	\$706.8	\$793.8	\$864.3	\$2,957.4	3.9%
Tax allowance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	0.0%
Sub-total	\$17,836.6	\$19,711.7	\$18,605.6	\$18,494.8	\$74,648.7	97.8%
Revenue adjustments						
Revenue transfer ¹	-\$57.9	-\$60.5	-\$58.6	-\$56.7	-\$233.7	-0.3%
Revenue offsets	-\$3.9	-\$4.0	-\$4.1	-\$4.2	-\$16.2	0.0%
Insurance review	\$463.5	\$476.8	\$489.9	\$502.2	\$1,932.5	2.5%
QCA fee ²	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	0.0%
Sub-total	\$401.8	\$412.3	\$427.2	\$441.2	\$1,682.6	2.2%
Total	\$18,238.4	\$20,124.0	\$19,032.8	\$18,936.0	\$76,331.3	100.0%

Note 1: Consistent with past practice, Sunwater has transferred (from Bundaberg Distribution to Bundaberg Supply) a portion of revenue associated with Gin Gin main channel, recognising its bulk water function.

Note 2: The QCA fee is apportioned to each scheme on the basis of irrigation entitlements.

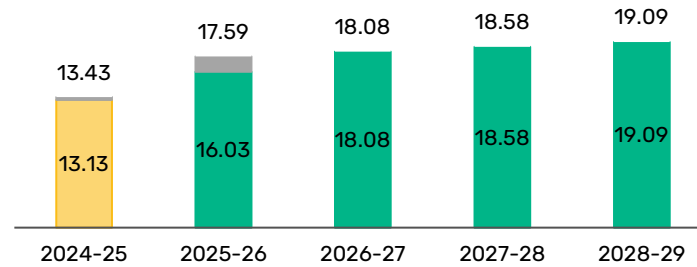
Prices inclusive of electricity

Bundaberg Channel

PO Change

2.9%

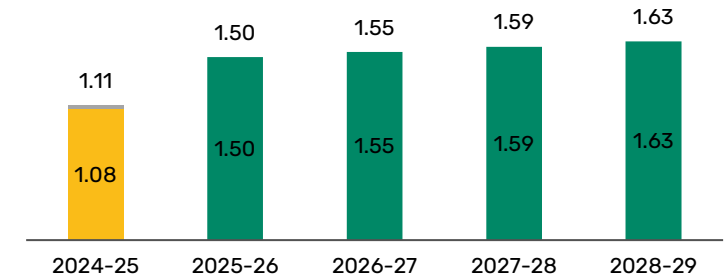
Part A - Medium Priority (\$/ML)



PO Change

-25.9%

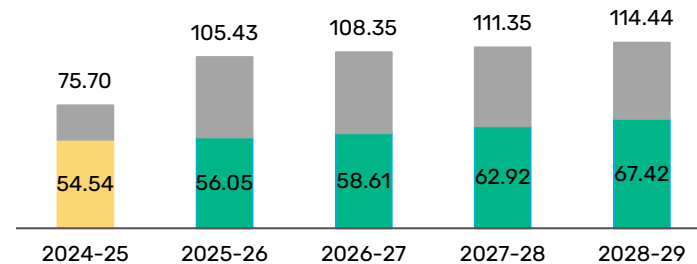
Part B (\$/ML)



PO Change

10.9%

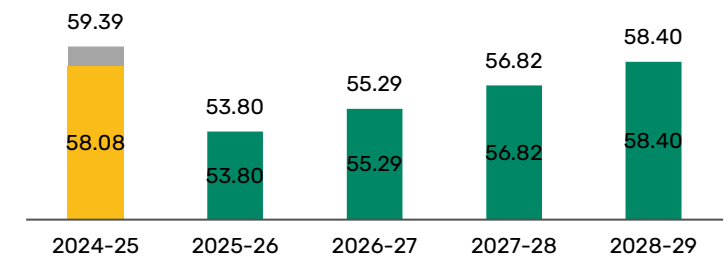
Part C (\$/ML)



PO Change

-24.0%

Part D (\$/ML)



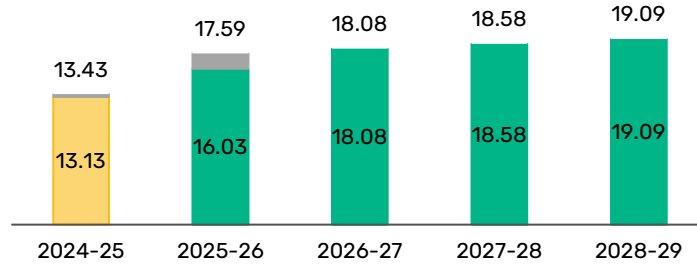
Prices under an electricity cost pass-through

Bundaberg Channel

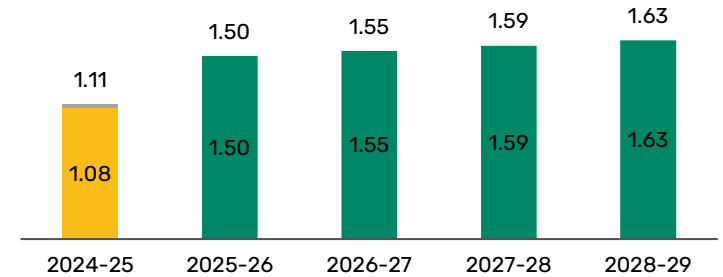
Part A and Part B cost reflective charges are unaffected by the pass-through proposal

Recommended Part A and Part B charges are calculated as a bundle with Part C and Part D charges and may differ under a pass-through

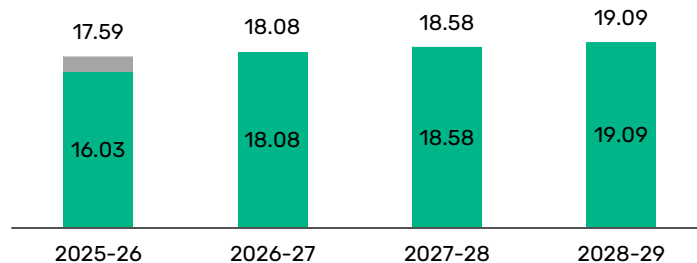
Part A - Medium Priority (\$/ML)



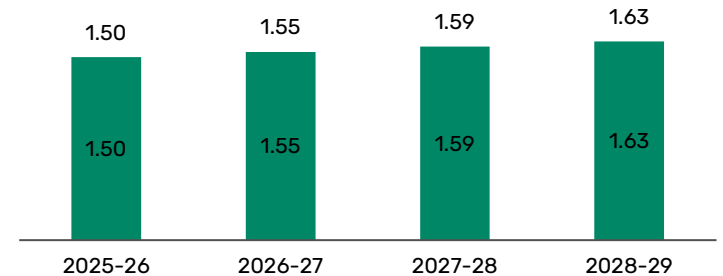
Part B (\$/ML)



Part A - Medium Priority (\$/ML)



Part B (\$/ML)

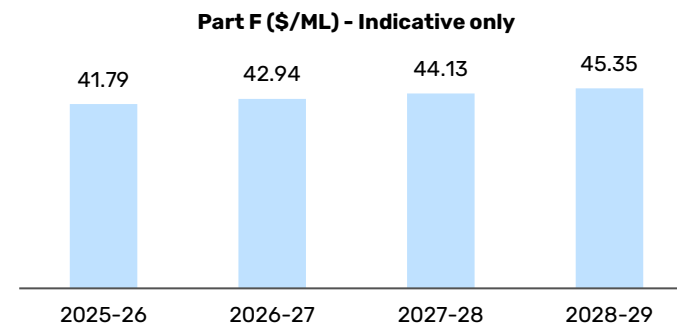
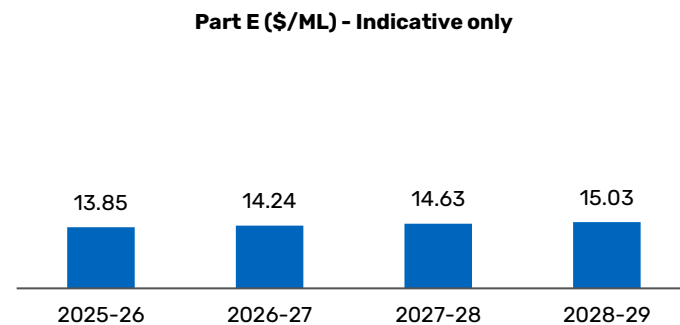
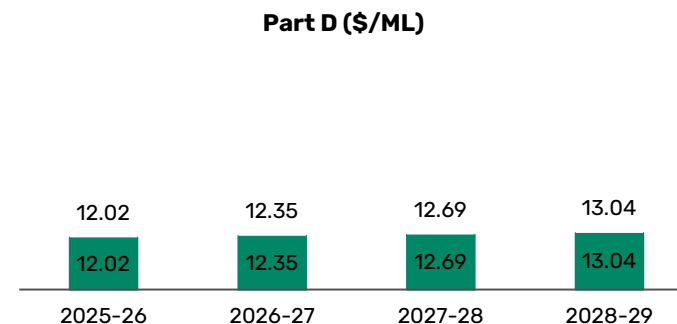
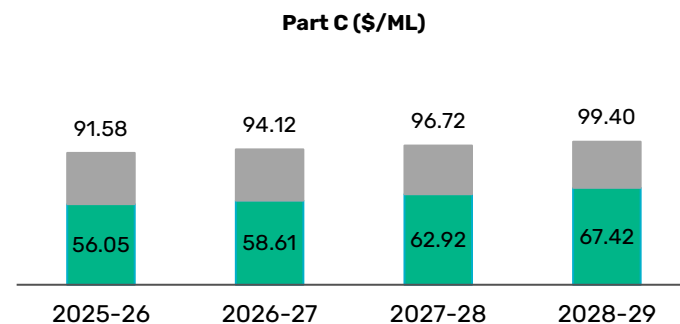
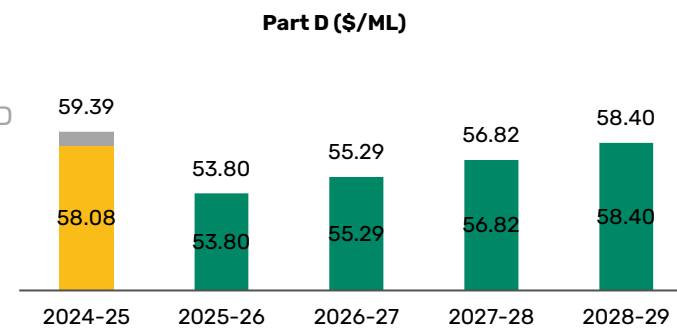
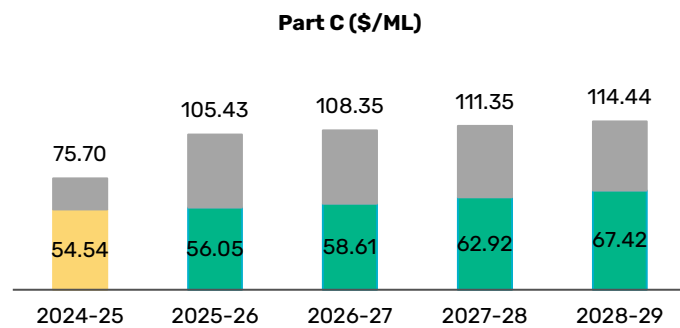


Prices under an electricity cost pass-through

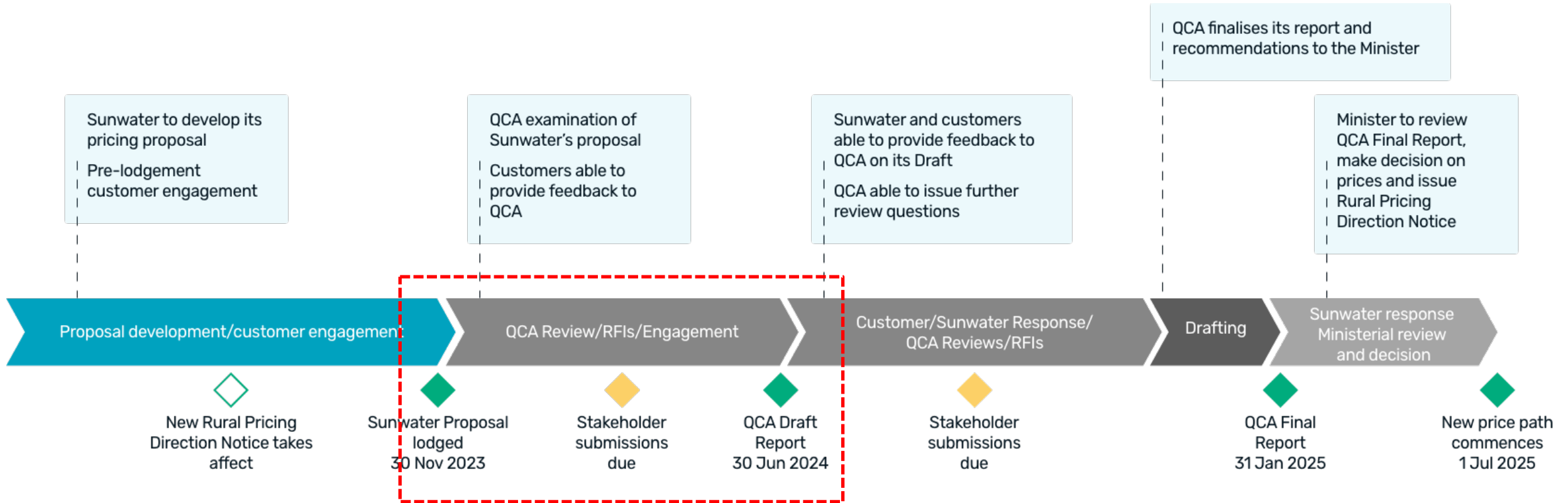
Bundaberg Channel

The Part C charge will be split into a Part C and a Part E charge under a pass-through

The Part D charge will be split into a Part D and a Part F charge under a pass-through



Recap and next steps



You will also have the opportunity to provide comment / feedback to QCA

Delivering water for prosperity