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Annual Network Service Plan

Bundaberg Distribution

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Notes

All financial figures in this report are presented in nominal dollars.

Most of the financial figures in the QCA's final report on SunWater's irrigation pricing were presented in real dollars (\$2011). To convert to nominal dollars multiply by the following factors, which are based on the QCA's assumed inflation rate of 2.5% p.a.

Table 1 – Conversion Factors for Nominal-to-Real Dollars

Year	2013	2014	2015	2016	2017
Conversion Factor	0.952	0.929	0.906	0.884	0.862

Disclaimer

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Introduction

A recommendation from the 2013-17 review of SunWater's irrigation pricing was for SunWater to produce annual Network Service Plans (NSPs) to help keep customers informed throughout the pricing period. These annual NSPs will focus on both operating expenditure (opex) and renewals and enhancements (R&E) expenditure. In particular, the NSPs will cover:

- current year performance for opex and R&E,
- forecast opex and R&E for the approaching year, and
- the long-term outlook for material R&E spend.

This is the first annual NSP that SunWater has produced. Given that it is being published in the first year of the new price path, and the 2013 year is incomplete, there is no actuals data reported in the performance tables. Also, very few options analyses have been completed to date as the annual planning for renewals and enhancements discussed in this NSP was completed just prior to publishing.

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Email: nspfeedback@sunwater.com.au

Post: NSP Feedback
PO Box 15536 City East
Brisbane Qld 4002

Past¹ and Forecast Performance

The tables in the following sections show the QCA targets with planned water use and spend for the current year and future years. Budgets for future years are based on the current draft budget at the time of consultation and are therefore subject to change.

Water Usage

Table 2 - Water Usage

	WAE	2013 QCA Forecast (ML)	2014 QCA Forecast (ML)
Total	149,210	61,325	61,325

¹ As this is the first year of the 5-year price period, this NSP has the current year and following year figures only; future NSPs will also report on the past year performance against target and budget.

Table 3 – Operating Expenditure

	2013		2014	
	QCA Target (\$'000)	SunWater Budget (\$'000)	QCA Target (\$'000)	SW Draft Budget ² (\$'000)
Operations	2,403	2,332	2,465	2,556
Preventive Maintenance	1,722	1,820	1,774	1,859
Corrective Maintenance	996	1,079	1,024	1,063
Electricity	2,958	1,459	3,166	2,500
Total	8,079	6,690	8,429	7,978

Operations

The operations budget in 2014 is in \$91k above the QCA’s target for 2014 due to insurance premiums rising significantly more than anticipated in the QCA’s target for insurance.

Preventive Maintenance

Preventive maintenance is budgeted \$85k above the QCA’s target for 2014.

Corrective Maintenance

Corrective maintenance is budgeted \$39k above the QCA’s target for 2014.

Electricity

Electricity costs are budgeted in line with the QCA target in 2014 despite the announced increases in electricity prices being much higher than the 12.5% and 7% increases allowed by the QCA in 2013 and 2014. Water deliveries are expected to be below the QCA forecast in 2014 leading to lower electricity consumption however electricity costs are higher than allowed for by the QCA on a \$/ML basis. This cost over-run is beyond SunWater’s control and is likely to trigger a within-period cost pass-through application to the QCA.

² SunWater draft budget figures as at the time of consultation. Budget figures for the following financial year are not locked down until late in the financial year prior.

Flood Damage

There has been significant flood damage incurred to the assets in this service contract. While the cost of the outstanding repairs is not known accurately, it is estimated that repairs will cost in the range of \$170k to \$320k, with repairs to primarily occur in 2014. A proportion of these costs will be covered by insurance, however the amount to be returned is uncertain and insurance claims of this nature can take years to settle. The difference between the cost of repairs and the insurance returns will be funded from the annuity.

Renewals and Enhancements

R&E annuity expenditure is forecast to be \$48k below target for 2014 and over the 5-year price period the estimated expenditure is \$292k over the QCA target.

Table 4 – R&E Expenditure (excl. dam safety & other)

2013		2014		5 year price period (2013-17)	
QCA Target (\$'000)	SunWater Budget (\$'000)	QCA Target (\$'000)	SW Draft Budget (\$'000)	QCA Target (\$'000)	SunWater Estimate ³ (\$'000)
879	940	777	729	4,360	4,652

The renewals annuity income has been set by the QCA until the end of the current price path in 2017. SunWater will aim to limit the R&E expenditure to the QCA's targets over the current price path in order to manage the annuity balance to reasonable levels. The impact of the draft budget R&E spend on the annuity balance for 2014 is shown in the following table.

Table 5 – Annuity Balance 2014

2014 Annuity Income (\$'000)	2014 Draft Budget Annuity Spend (\$'000)	Estimated Impact on Annuity Balance (\$'000)
1,613	(729)	884

³ Actual figures will replace budget figures in the forecast as each year of the price period is completed. R&E forecasts and estimates are subject to change as planning is refined throughout the price period.

Note: the figures in Table 5 do not include any allowance for any flood damage repairs that may be funded from the annuity, as discussed in the flood damage section above.

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The details for the major projects planned for 2014 are provided below:

Table 6 – R&E Projects 2014

Project Title	Project Scope	2014 Draft Budget (\$'000)
Refurbish Pump - PUN1 - WOONGARRA PUMP STATION	The purpose of this project is to refurbish pump 1 based on SunWater's WoL planning. A 2012 report to replace pumps at Woongarra pump station recommending refurbishing pump units over replacement and maintaining refurbishment cycle to ensure asset condition and reliability.	86
Refurbish Pump - bearings, casing, wear rings etc. - DON BEATTIE PUMP STATION	The purpose of this project is to refurbish pump 1 based on condition and risk. An inspection found damage to rotating shaft and seal packing causing excessive leaking.	59
Install standpipes at GPS coordinates 012,015 and 016 (DS 2011 6.1.3.d) - WOONGARRA BALANCING STORAGE	Stand pipe required for monitoring seepage associated with the Balancing Storage, a referable dam, as per dam safety inspection	37
Documents, Drawings, Specs and Cost Estimate for PLC and SCADA system - MCILWRAITH PUMP STATION	The purpose of the PLC, SCADA projects is to develop documents, drawings and technical specifications to put to market to install PLC, SCADA systems into the identified pump stations. The system will allow remote condition and efficiency monitoring and remote control and diagnoses of pump stations.	35
Documents, Drawings, Specs and Cost Estimate for PLC and SCADA system - TIRROAN PUMP STATION	The purpose of the PLC, SCADA projects is to develop documents, drawings and	35

	<p>technical specifications to put to market to install PLC, SCADA systems into the identified pump stations. The system will allow remote condition and efficiency monitoring and remote control and diagnoses of pump stations.</p>	
<p>Documents, Drawings, Specs and Cost Estimate for PLC and SCADA system - QUART POT CREEK PUMP STATION</p>	<p>The purpose of the PLC, SCADA projects is to develop documents, drawings and technical specifications to put to market to install PLC, SCADA systems into the identified pump stations. The system will allow remote condition and efficiency monitoring and remote control and diagnoses of pump stations.</p>	35
Other minor works		442
Total		729

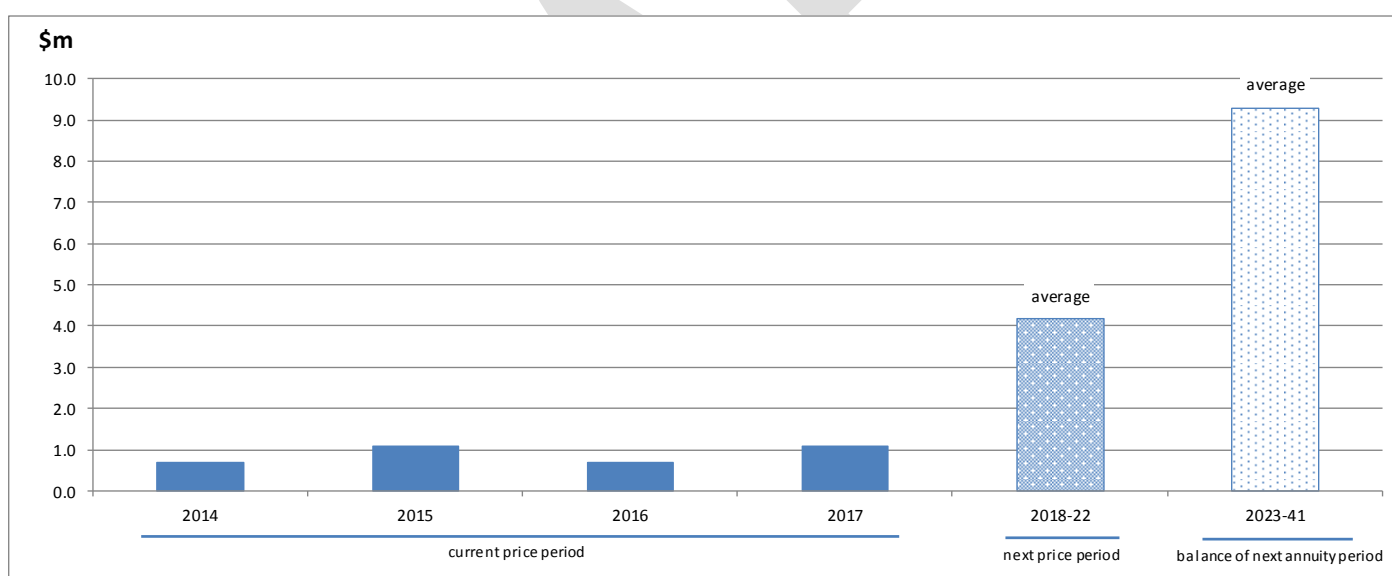
Overview of Renewals and Enhancements 2014-41

SW has developed a whole of life strategy around the replacement and maintenance of its asset portfolio which is based on the concept of optimised life. The key drivers in this approach are the risk and condition of each asset. The current condition of an asset drives an estimate of the future work required to ensure an asset continues to be able to provide the required level of service into the future. SunWater maintains a program of asset inspections and condition assessments which continually updates our knowledge of asset condition. This information feeds into the annual review of the R&E program, the most recent of which was completed in February 2013. Items requiring immediate maintenance or replacement will be included in the budget for the following year, which was covered in the previous section.

While the immediate program for the next year's budget is well defined; the further into the planning timeline, the more uncertain the estimates become. Consequently, the program of works is not a specific forecast of when individual projects are expected to be executed but rather it is portfolio level estimate of works based on the best-available risk and condition information for the service contract as a whole. This information feeds into calculation of the annuity to fund R&E. Having an annuity funding arrangement acknowledges that a long-term view of R&E spend is required to ensure adequate funding and to address issues such as inter-generational equity.

The annuity that is calculated over a 20-year planning period; given that the next pricing period ends in 2022, the estimated R&E spend out until 2041 will affect the next pricing review. This estimated spend is shown in the chart following.

Figure 1 –R&E Annuity Expenditure 2014-41



All material R&E items out until 2041 are discussed in the sections following. Materiality is defined as >10% of the present value of the period in question. SunWater will develop options analyses for all material items in the annuity calculation planning period. These reports will be tailored to suit project complexity and budget, with more detailed options analyses being completed for the 5-year pricing periods than for the 20-year period beyond the next price path. The materiality tests will be applied each year as part of annual planning process. Given that there will be project churn, some items will no longer require options analysis in future years and new items may join the list.

Material Projects 2014-17

The evenness in the spread of estimated project costs means there are no projects which exceed the materiality threshold for this service contract for the 2014-17 period.

Material Projects 2018-22

The evenness in the spread of estimated project costs means there are no projects which exceed the materiality threshold for this service contract for the 2018-22 period.

Material Projects 2023-41

The evenness in the spread of estimated project costs means there are no projects which exceed the materiality threshold for this service contract for the 2023-41 period.

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Appendix – Operating Expenditure by Expense Type

Table 7 below shows the operating expenditure for the service contract categorised by expenditure type. Operating expenditure below includes estimated flood damage and other non-routine work funded by the annuity.

Table 7 – Expenditure for Activity by Type⁴

	2013		2014	
	QCA Target (\$'000)	SunWater Budget (\$'000)	QCA Target (\$'000)	SW Draft Budget (\$'000)
Operations				
Labour	681	584	703	564
Materials	1	60	1	27
Contractors	1	1	1	8
Other	574	574	584	948
Non-direct	1,146	1,113	1,176	1,009
Operations Total	2,403	2,332	2,465	2,556
Preventive				
Labour	496	496	512	520
Materials	324	308	334	313
Contractors	108	78	111	113
Other	1	1	2	7
Non-direct	793	937	815	906
Preventive Total	1,722	1,820	1,774	1,859
Corrective				
Labour	285	299	294	320
Materials	208	231	214	309
Contractors	41	56	42	110
Other	6	5	6	3
Non-direct	456	568	468	566
Corrective Total	996	1,159	1,024	1,308
Electricity	2,958	1,459	3,166	2,500
Total Operating Exp.	8,079	6,770	8,429	8,223
R&E Annuity Funded ⁵	879	940	777	729
Dam Safety and other	0	0	0	0
Grand Total	8,958	7,710	9,206	8,952

⁴ Nominal dollar figures can be converted to real dollars (\$2011) by dividing by the conversion factors in Table 1.

⁵ R&E and Dam Safety are built up from the same expenditure types shown for opex, including non-directs.