

SunWater Limited
Level 10, 179 Turbot Street
PO Box 15536 City East
Brisbane Queensland 4002
www.sunwater.com.au
ACN 131 034 985



2014 Annual Performance Report

Boyne Bulk

October 2014

Table of Contents

Introduction	4
Water Usage	4
Revenue	5
Routine Expenditure	6
Operations	6
Preventive Maintenance	6
Corrective Maintenance	7
Electricity	8
Non-Routine Expenditure	9
R&E – Annuity Funded	10
Corrective Maintenance	10
Other	10
R&E – Non Annuity	10
Annuity Balance	10
Appendix –Total Expenditure by Expense Type	11

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 the QCA report real dollars to nominal dollars, multiply by the following factors; these are based on the QCA's assumed inflation rate of 2.5% p.a.

Table 1 – Conversion Factors for real \$2011 to Nominal Dollars

	2013	2014	2015	2016	2017
Conversion Factor	1.051	1.077	1.104	1.131	1.160

Disclaimer

This report has been produced by SunWater, to provide information for client use only. The information contained in this report is limited by the scope and the purpose of the study, and should not be regarded as completely exhaustive. Permission to use or quote information from this report in studies external to the Corporation must first be obtained from the Chief Executive, SunWater.

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. SunWater has decided to also produce annual Performance Reports such as this report to show how SunWater has performed against the QCA targets for the year just completed.

SunWater values customer feedback and will publish all submissions and SunWater's responses on our website. Customers can provide their feedback via email or post at the following addresses:

Email: nspfeedback@sunwater.com.au

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

Water Usage

Table 2 – 2014 Water Usage

	No. of Customers	Water Entitlements ML	Available Water ML	Available Water %	Water deliveries ML	Water deliveries % of entitlement	Water deliveries % of available
Industrial		30,453	30,453	100%	12,716	42%	42%
Irrigation		9,142	9,141	100%	4,668	51%	51%
Urban		2,755	2,755	100%	810	29%	29%
Other		480	476	99%	200	42%	42%
SunWater		1,625	1,620	100%	866	53%	53%
Total	161	44,455	44,445	100%	19,260	43%	43%

QCA Assumed Water Usage for Irrigation 48.9%

QCA Assumed Water Usage for Total 53.9%

Table 3 – Revenue

	2013 SunWater Actual \$'000	2014 SunWater Actual \$'000	2015 SunWater Budget \$'000
Irrigation Revenue	359	374	276
Drainage	0	0	0
Irrigation CSO	0	0	0
Industrial and Urban	79	65	67
Other Revenue	2	0	2
Total Revenue	440	439	345

* Bulk water charges have not been unbundled from Distribution charges therefore a portion of the Distribution revenue is attributable to the Bulk service contract.

Routine Expenditure

Table 4 – Routine Operating Expenditure

	2013 SunWater Actual	% of 2013 Target	2014 SunWater Actual	% of 2014 Target	2015 SunWater Budget	% of 2015 Target
	\$'000	%	\$'000	%	\$'000	%
Operations (Excl. Elect.)	1,065	396%	121	43%	389	139%
Preventative	30	31%	38	39%	98	99%
Corrective	12	51%	0	0%	30	119%
Electricity	0	n/a	0	n/a	0	n/a
Total Routine Expenses	1,107	285%	159	39%	517	128%

Operations

Operation activities include the day-to-day costs of the administration and management of the scheme, water delivery and meeting compliance obligations. Specific activities include the direct and non-direct cost of¹:

- Scheduling and delivering water, including processing water orders, releasing water, operating pump stations, regulation and monitoring of channel flows and monitoring of customer deliveries;
- Emergency responses for channel overflows and other emergency events;
- Meter reading;
- Administration of water accounts, billing, and receipting payments;
- Customer management, including enquiries, complaints and maintaining the customer service help desk;
- Scheme management, including licences and permits, rates, land management, planning and reporting;
- Insurance;
- Monitoring the security of infrastructure and unauthorised access and trespass; and
- Managing public relations associated with the scheme.

The operations expenditure in 2014 was \$91k, or 57%, below the QCA target. The major exceptions and highlights with operation activities for the year included:

- Insurance costs \$138k higher than target;
- \$382K of the \$500K provision made for legal costs by the end of FY 2013 was reversed in FY 2014, more than offsetting the insurance cost overrun.

Preventive Maintenance

Preventive maintenance is maintaining the ongoing operational performance and service capacity of physical assets to designed standard. Preventive maintenance is cyclical in nature with a typical interval of 12 months or less. Preventive maintenance activities are based on the updated work instructions developed for operating the scheme and include an estimate of the resources required to implement that scope of work. Preventive maintenance includes¹:

- Condition monitoring – the inspection, testing or measurement of physical assets to report and record its condition and performance for determination of maintenance requirements. Condition monitoring is carried out on electrical, mechanical and civil assets including pump stations (pumps, electrical motors, valves, switchboards and associated

¹ Activities listed will not apply to all service contracts.

equipment), channels (regulator gates, civil works, signs, structures, etc.), drains (civil works, structures etc.), pipelines (valves, air valves, scours easements etc.), and other infrastructure;

- Servicing – planned maintenance activities normally expected to be carried out routinely on physical assets including valves, cranes, sump pumps and associated equipment; and
- Weed control – which includes the following activities:
 - Slashing channels and drains;
 - Acrolein treatment of channels; and
 - Spraying and other activities to control operational and noxious weeds within channel and drainage reserves.

Preventive maintenance for 2014 was \$60k below the QCA's target. The major exceptions and highlights with preventive maintenance activities for the year included:

- Boondooma Dam outlet works not operational during most of this year hence minimal routine servicing and maintenance was needed; and
- Routine dam inspections were performed.

Corrective Maintenance

Corrective maintenance includes activities to correct unexpected failures or to return an asset to an acceptable level of performance or condition. While these are difficult to forecast with accuracy, history has shown that such events can be expected and need to be factored into expenditure forecasts. Forecasts include provision for labour, materials and plant hire.

The corrective maintenance forecast does not include any costs of damage arising from major unexpected events, such as floods. These costs are categorised as non-routine corrective maintenance which is discussed in the following section.

There are two types of corrective maintenance – scheduled and emergency²:

- Scheduled corrective maintenance is maintenance that can be planned and scheduled, and includes:
 - Channels
 - De-silting channels and catch drains;
 - Erosion control and repair of rock protection works;
 - Repair fencing;
 - Repair concrete structures; and
 - Repair regulator gates, control valves, etc.
 - Drains
 - De-silting drains;
 - Erosion control and repair of rock protection works;
 - Repair fencing; and
 - Repair concrete structures.
 - Pipelines
 - Repair air valves, scour valves, etc.;
 - Erosion control and repair of rock protection works; and
 - Repair concrete structures.
 - Scheme Roads
 - Repair pot holes;
 - Grade roads; and
 - Repair, replace and paint guide posts and signs.
 - Pump stations
 - Repair pumps and motors;

² Activities listed will not apply to all service contracts.

- De-silt intake structures;
 - Repair concrete structure; and
 - Repair control building.
- Storages (balancing storages and reservoirs)
 - Repair control gates and valves;
 - Repair walls, embankments and spillways; and
 - Repair concrete structures.
- Meters
 - Repair bulk water meters; and
 - Repair customer meters.
- Emergency corrective maintenance is maintenance that has to be carried out immediately to restore normal operation or supply to customers or to meet regulatory obligations (e.g. rectify a safety hazard) and includes:
 - Repair or correction of pump station faults;
 - Repair or correction of channel faults;
 - Repair or correction of pipeline faults; and
 - Response to theft or vandalism associated with scheme assets.

Corrective maintenance was \$25k below the QCA's target for 2014. The major exceptions and highlights with corrective maintenance activities for the year included:

- The outlet works were under repair during most of the 2014 year and hence no breakdowns or repairs were required at Boondooma Dam during this period.

Electricity

No electricity costs for this service contract in 2014.

Non-Routine Expenditure

SunWater 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 renewals program, the most recent of which was completed in February 2014; items requiring immediate maintenance or replacement are included in the budget for the following year.

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 renewals. Having an annuity funding arrangement acknowledges that a long-term view of renewals spend is required to ensure adequate funding and to address issues such as inter-generational equity.

The QCA targets were set against an estimated program of works from the 2010-11 year. While this was the best estimate of expected work at the time, there has been significant project churn in the three years since this estimate was made. This can mean that, in some cases, the QCA's funding allowance for renewals work does not cover the total expenditure required to maintain asset condition to the required standard. In addition, there have been unexpected events, such as floods, that were not allowed for in the QCA's annuity funding allowance.

Overall, the 2013-17 non-routine spend will exceed the five-year QCA target. There has been significant corrective works in this service contract to repair flood damage; corrective works are unplanned and were not allowed for in the QCA's targets.

Table 5 – Non-Routine Expenditure

	2013 SunWater Actual	% of 2013-17 Target	2014 SunWater Actual	% of 2013-17 Target	2015 SunWater Budget	% of 2013-17 Target
	\$'000	%	\$'000	%	\$'000	%
Annuity Funded						
R&E - Annuity Funded	33		94		46	
Corrective	932		966		326	
Other	8		0		0	
Non-direct	966		616		155	
Annuity Funded Total	1,938	347%	1,676	300%	526	94%
Non-Annuity Funded						
R&E - Non-Annuity Funded	0		0		0	
Non-direct	0		0		0	
Total Non-Annuity Funded	0	n/a	0	n/a	0	n/a

R&E – Annuity Funded

The annuity funded R&E direct spend was \$94k. Projects undertaken included:

- Inspection (5 Yearly) - Boondooma Dam — \$119k³ was spent in 2014 to undertake a comprehensive civil and mechanical inspection of the dam in accordance with the Queensland Dam Safety management guidelines and dam safety condition schedules; and
- Install New Winch System for Removing Secondary Bulkhead Gate (including redesign) — \$28k was spent in 2014 to replace the secondary bulkhead winch on the inlet tower. The secondary bulkhead is used to isolate the filling and dewatering line for inspections of the main conduit. Options assessed determined that replacement was preferred to refurbishing the winch.

Corrective Maintenance

The annuity funded corrective maintenance projects included:

- Refurbish Boondooma Spillway — \$1,109k was spent in 2014 to undertake an options study into future potential repair works, financial modelling, site work, preparing and running a physical hydraulic model to help understand the outcomes of potential designs, followed by an independent review of the modelling and design outcomes conducted by external consultants; and
- Flood Damage Boondooma Spillway Repairs - Spillway Floor — \$252k was spent in 2014 to fill spillway floor scour holes with concrete and anchor them to the foundation rock. This was done to prevent further scouring of the spillway floor.

Other

There was no expenditure categorised as “Annuity-funded Other” in 2014.

R&E – Non Annuity

There was no expenditure categorised as “Non-Annuity” in 2014.

Annuity Balance

The 2014 annuity balance is shown below.

Table 6 – Annuity Balance

	2013	2014	2015*	2016	2017
	\$'000	\$'000	\$'000	\$'000	\$'000
Opening Balance	(170)	(2,108)	(3,929)		
Annuity Income	13	13	17	17	17
Spend	(1,938)	(1,676)	(526)		
Interest	(13)	(158)	(294)		
Closing Balance	(2,108)	(3,929)	(4,733)		

* 2015 figures are subject to change once actual spend is known.

³ Individual project expenditures include non-directs.

Appendix – Total Expenditure by Expense Type

Table 7 – Expenditure for Activity by Type

	2013 SunWater Actual \$'000	% of 2013 Target %	2014 SunWater Actual \$'000	% of 2014 Target %	2015 SunWater Budget \$'000	% of 2015 Target %
ROUTINE EXPENSES						
Operations						
Labour	118		77		55	
Materials	3		3		1	
Contractors	3		211		35	
Other	693		(306)		186	
Non-direct	249		135		113	
Operations Total	1,065	396%	121	43%	389	139%
Preventative						
Labour	10		13		17	
Materials	1		0		1	
Contractors	0		0		46	
Other	0		1		0	
Non-direct	18		23		34	
Preventative Total	30	31%	38	39%	98	99%
Corrective						
Labour	3		0		9	
Materials	1		0		0	
Contractors	2		0		4	
Other	0		0		0	
Non-direct	6		0		17	
Corrective Total	12	51%	0	0%	30	119%
Electricity	0	n/a	0	n/a	0	n/a
Total Routine Expenses	1,107	285%	159	39%	517	128%
NON-ROUTINE EXPENSES						
Annuity Funded						
R&E - Annuity Funded	33		94		46	
Corrective	932		966		326	
Other	8		0		0	
Non-direct	966		616		155	
Total Annuity Funded Non-Routine	1,938	347%	1,676	300%	526	94%
TOTAL REGULATED EXPENSES	3,045		1,835		1,044	
Non-Annuity Funded						
R&E - Non-Annuity Funded	0		0		0	
Non-direct	0		0		0	
Total Non-Annuity Funded	0	n/a	0	n/a	0	n/a
TOTAL EXPENSES	3,045		1,835		1,044	