



PUBLIC REPORT

Controlling Corporation

SunWater Limited

Period to which this report relates

Start

1 July 2009

End

30 June 2010

Part 1 – Information on assessments completed to date

Table 1.1 – Description of the way in which the Corporate Group (or part of it) has carried out its assessments

SunWater commenced assessments on the Awoong-Callide industrial pipeline and the Stanwell industrial pipeline. As of the end date of the period of this report these assessments have not been completed.

The Awoong-Callide pipeline was chosen as it represents a significant percentage of the total energy use for the current year. The Stanwell pipeline was included as it is operated out of the same SunWater Regional Office.

The aim of the assessments was to identify opportunities to reduce energy consumption. To achieve this SunWater followed an assessment plan that ensured involvement of all key stakeholders in the process. The assessments included:

- Developing assessment plans,
- Involvement of qualified, knowledgeable staff,
- Collection and analysis of data,
- Conducting EEO assessment workshops,
- Conducting detailed energy investigations including development of Energy Mass Balance models, and
- Documenting and communicating the assessment outcomes.

The EEO assessment plans were developed to ensure that all SunWater EEO assessments meet the legislative requirements of the EEO Act, in particular the six key elements of the Assessment Framework.

The implementation of the EEO program has been delayed due to other urgent priorities. An assessment guideline has been developed and the program is currently being reviewed to maximise the value of the program to the organisation and ensure that the prescribed assessments meet legislative requirements.



Table 1.2 – Energy use assessed

Group member and/or business unit and/or key activity and/or site that has had an assessment completed by the end of this reporting period.	Period over which assessment was undertaken¹	Energy use per annum in GJ² in the current reporting year
Awoonga-Callide Pipeline	January 2008 to September 2010	200,926
Stanwell pipeline	January 2008 to September 2010	8,212
Total energy assessed		209,138
Total energy use of the group in the current reporting year		621,548
Total energy assessed expressed as a percentage of total current energy use		33.65%

1. This should be the start and finish date (month and year) for the assessment (planned assessment dates were nominated in Table 3.1 of the approved ARS).
2. Energy Bandwidth may only be used if approved in the Assessment and Reporting Schedule.



Part 1 – Information on assessments completed to date (continued)

Table 1.3 – Accuracy of energy use data		
Entity	% achieved	Reasons for not achieving data accuracy to within $\pm 5\%$
Awoonga-Callide pipeline	$\pm 5\%$	
Stanwell pipeline	$\pm 5\%$	

Note: Assessments not completed as of 30 Jun 2010



Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2A - New assessments completed or not reported since your last Public Report

Table 2.1 – Opportunities assessed to an accuracy of $\leq \pm 30\%$

Name of Group member or business unit or key activity or site: SunWater Limited - Biloela Business Centre

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

209,138	GJ
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Table 2.1 – Opportunities assessed to an accuracy of better than or equal to $(\leq) \pm 30\%$

Status of opportunities identified	Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
		0 – < 2 years		2 – ≤4 years		> 4 years		
		No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Under Investigation							
	To be Implemented							
	Implementation Commenced							
	Implemented							
	Not to be Implemented							
Outcomes of assessment	Total Identified	0						

Note: Assessments not completed as of 30 Jun 2010. Although a number of opportunities have been identified, the accuracy cannot be considered to be within 30% until the assessments are completed. Refer to table 2.2



Name of Group member or business unit or key activity or site: SunWater Limited - Biloela Business Centre

Table 2.2 – Opportunities assessed to an accuracy of worse than (>) ±30%.

Table 2.2 – Opportunities assessed to an accuracy of better than or equal to (<=) ±30%									
Status of opportunities identified		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – < 2 years		2 – ≤4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Under Investigation	39							
	To be implemented								
	Implementation Commenced								
	Implemented								
	Not to be Implemented								
Outcomes of assessment	Total Identified	39							To be quantified but may be as high as 3160

Note: Assessments not completed as of 30 Jun 2010



Part 2B - Update of assessments originally reported in previous reporting periods

Name of Group member or business unit or key activity or site: SunWater Limited – Ayr Business Centre (Dalbeg)

Energy use of the entity during the current reporting period

	GJ
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Table 2.3 - Opportunities assessed to an accuracy of ±30% or better

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 – < 2 years	2 – ≤4 years	> 4 years	
Outcomes of assessment*	Total Identified	3	2,063		275	2,338
Business Response*	Under Investigation					
	To be Implemented	2			275	275
	Implementation Commenced	1	2,063			2,063
	Implemented					
	Not to be Implemented					

Name of Group member or business unit or key activity or site: SunWater Limited – Mackay Business Centre (Collinsville)

Energy use of the entity during the current reporting period

	GJ
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Table 2.4 - Opportunities assessed to an accuracy of worse than $\pm 30\%$

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 – < 2 years	2 – ≤ 4 years	> 4 years	
Outcomes of assessment*	Total Identified	5			3,137	3,137
Business Response*	Under Investigation	4			3,137	3,137
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented	1			350	350

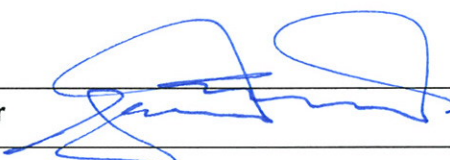
Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2C - Details of at least three significant opportunities found through EEO assessments

Table 2.5 – Description of 3 significant opportunities
Opportunity 1
Awoonga to Wooderson pipeline pigging optimisation. The condition of the pipeline section degrades over time due to the accumulation of a biofilm on the inside wall of the pipe. This increases the friction loss in the pipe and increases energy consumption. Optimised pigging of the pipeline may reduce energy consumption. The business case is under investigation.
Opportunity 2
Wooderson to Bocoolima pipeline pigging optimisation. The condition of the pipeline section degrades over time due to the accumulation of a biofilm on the inside wall of the pipe. This increases the friction loss in the pipe and increases energy consumption. Optimised pigging of the pipeline may reduce energy consumption. The business case is under investigation.
Opportunity 3
Stanwell Pipeline pigging optimisation. The condition of the pipeline section degrades over time due to the accumulation of a biofilm on the inside wall of the pipe. This increases the friction loss in the pipe and increases energy consumption. Optimised pigging of the pipeline may reduce energy consumption. The business case is under investigation.

Note: Assessments not completed as of 30 Jun 2010

Part 4 - Declaration

Table 4.1 - Declaration of accuracy and compliance (mandatory information)	
The information included in this report will be reviewed and noted by the board of directors and is to the best of my knowledge, correct and in accordance with the <i>Energy Efficiency Opportunities Act 2006</i> and <i>Energy Efficiency Opportunities Regulations 2006</i> .	<p>Acting Chief Executive Officer</p> 
	Date 24.12.10



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