

PUBLIC REPORT TEMPLATE

Controlling Corporation

Simplex Australia Holdings Pty Ltd

Period to which this report relates

Start 1st September 2008

End

31st August 2009

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

Simplex Australia is committed to continuous improvement in energy and environmental performance. To this end the assessments that were completed in S08 have been updated to take into account changes in operations and local factors. The site teams have continued to assess opportunities for energy assessment and a major investment program in metering has taken place. This has allowed for the more accurate evaluation of existing opportunities as well as identifying further areas for investigation.

The New South Wales' sites have been participants in the Energy Savings Action Plan (ESAP) program and opportunities identified as part of this program were included in last year's EEO report. These ESAPs were reviewed in order to comply with the EEO legislation and further opportunities were identified and assessed.

A number of projects that were identified as cost effective on a stand alone basis have been superseded by integrated plant wide initiatives incorporating these opportunities. These initiatives have been identified as new opportunities (tables 2A), while the smaller projects have been deemed Not to be Implemented (tables 2B).

Opportunities have been subjected to further detailed analysis, which has resulted in a number being deemed cost effective and included as new opportunities. The impact of increases in electricity prices in New South Wales did not cause any material change to the viability of identified opportunities at these sites.

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 undertaken ¹	Energy use per annum in GJ ² in the current reporting year
Bathurst	October 2008 to May 2009	111,559
Kelso	October 2008 to May 2009	56,386
Echuca	April 2008 to August 2008	62,441
Devonport	April 2008 to August 2008	108,890
Ulverstone	April 2007 to August 2008	791,942
Chifley Park	April 2007 to August 2007	9,386
Total energy assessed		1,140,604
Total energy use of the group in the current reporting year		1,184,098
Total energy assessed expressed as a percentage of total current energy use		96%

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 ±5%
Bathurst	>95%	
Kelso	>95%	
Echuca	>95%	
Devonport	>95%	
Ulverstone	>95%	
Chifley Park	>95%	

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

Part 2A - New Assessments completed during the reporting period

Name of Group member or business unit or key activity or site: _____ Uliverstone _____

Energy use of the entity during the current reporting period

791,942	GJ
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Table 2.1 – 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	6	46,349	1,606	125,000	172,955
Business Response*					
Under Investigation	4	46,205	1,606	125,000	172,811
To be Implemented					-
Implementation Commenced					
Implemented	2	144			144
Not to be Implemented					

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

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

Name of Group member or business unit or key activity or site: Ulverstone

Energy use of the entity during the current reporting period GJ

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	7 (7)	10,381 (7,943)	4,942 (7,026)		15,323 (14,969)
Business Response*					
Under Investigation	4 (7)	6,413 (7,943)	4,942 (7,026)		11,355 (14,969)
To be Implemented	Nil (nil)	Nil (nil)	Nil (nil)		Nil (nil)
Implementation Commenced	2 (nil)	3,798 (nil)	Nil (nil)		3,798 (nil)
Implemented	Nil (nil)	Nil (nil)	Nil (nil)		Nil (nil)
Not to be implemented	1 (nil)	170 (nil)	Nil (nil)		170 (nil)

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

Table 2.5 – Description of 3 significant opportunities

Opportunity 1
Cogeneration. Use of a gas turbine to generate electricity and recovery of the waste heat to power site processes has the potential to save 125TJ of energy and tCO ₂ e for a capital investment in excess of \$18million
Opportunity 2
Head Pressure Reduction. The head pressure of Engine Room 1 has been lowered by 50kPa. This has resulted in a saving of 144GJ of electricity and greenhouse gas savings of 40tCO ₂ e with no capital cost.
Opportunity 3
Optimised Compressor Selection. SCADA integration of compressor loading and automated selection of compressors has resulted in savings of 3.3TJ of electricity and greenhouse gas savings of 920 tCO ₂ e with a payback of less than two years.

Part 2A - New Assessments completed during the reporting period

Name of Group member or business unit or key activity or site: _____ Other Simplot Sites excluding Ulverstone _____

Energy use of the entity during the current reporting period

348,662	GJ
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Table 2.3 - Opportunities assessed to an accuracy of ±30% or better

Outcomes of assessment*	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	
	Total Identified	42	11,112	2,480	28,398	41,990
Business Response*	Under Investigation	12	721	205	21,772	22,699
	To be Implemented	6	1,294	2,275		3,569
	Implementation Commenced	5	5,227		1,897	7,124
	Implemented	13	3,870		10,133	14,003
	Not to be Implemented	6			-5,404	-5,404

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

Name of Group member or business unit or key activity or site: _____ Other Simplot sites excluding Ulverstone _____

Energy use of the entity during the current reporting period

348,662	GJ
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Table 2.1 – 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*	20 (20)	9,365 (17,211)	4,789 (8,462)	10,806 (nil)	24,960 (25,673)
Business Response*	3 (7)	217 (10,211)	Nil (1,584)	63 (nil)	280 (11,795)
	3 (9)	1,153 (6321)	Nil (6,331)	Nil (nil)	1,153 (12,652)
	1 (nil)	1,140 (nil)	Nil (nil)	Nil (nil)	1,140 (nil)
	10 (3)	6,856 (679)	4,789 (nil)	Nil (nil)	11,645 (679)
	3 (1)	Nil (nil)	Nil (547)	10,743 (nil)	10,743 (547)

Further assessment of opportunities has moved some projects into a greater than four year payback period. Projects not to be implemented are financially unviable or have been superseded by other projects included in table 2B