

PUBLIC REPORT

Controlling Corporation

Arnott's Biscuits Holdings Pty Ltd.

Period to which this report relates

Start 1 January 2009

End 31 December 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

Campbell Arnott's has continued to undertake planned assessments over the reporting period. Assessments for Shepparton and Virginia plants were completed between August and November 2009 and results are reported in Part 2A of this report. During the current reporting period, Huntingwood has been progressing some of the previously reported opportunities and has identified 9 new opportunities, of which two have already been implemented. The site has implemented electrical sub-metering and has plans to install gas metering in the near future, improving energy metering and monitoring capabilities in line with Key Element 3.

Specifically, the assessments done at the 3 sites have covered:

- Project planning and communications plan development,
- Site inspections and energy measurements,
- Assessment of information, data and data analysis methods, and development of a baseline of sites energy efficiency and energy management systems,
- Identification of potential energy efficiency opportunities,
- Screening and preliminary analysis of opportunities,
- Economic evaluation of opportunities and decision taking,
- Business case development and project implementation,
- Project tracking and energy savings verification (Huntingwood)

This work has been carried out as part of Campbell Arnott's response to the Commonwealth's Energy Efficiency Opportunities (EEO) Program. The Assessment & Reporting Schedule (ARS) identified five key sites to be assessed. The sale of the Snackfoods business in May 2008 transferred ownership of the Smithfield Plant and it is no longer included in the ARS. Under the guidance of Energetics, each site is in the process of creating a Green Team that meets on a regular basis to evaluate and assess energy saving opportunities. Arnott's officially launched the EEO program at



Huntingwood in May 2008 by hosting an Environmental Week that featured several industry speakers and a workshop that generated a significant number of savings ideas that are currently being evaluated by the Green Team.

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	Energy use per annum in GJ in the current reporting year
Huntingwood Plant	Jan08 – Jun08	277,981 GJ
Shepparton Plant	Aug09 – Nov09	244,249 GJ
Virginia Plant	Aug09 – Nov09	168,105 GJ
Total energy assessed		690,334 GJ
Total energy use of the group in the current reporting year (July08-June09 – Aligned with NGERS)		976,949 GJ
Total energy assessed expressed as a percentage of total current energy use		70.7%



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 $\pm 5\%$
Huntingwood Plant	$\pm 5\%$	
Shepparton Plant	$\pm 5\%$	
Virginia Plant	$\pm 5\%$	
Total Group's Energy	$\pm 5\%$	

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: **Shepparton Plant**

Energy use of the entity during the current reporting period

244,249	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	17	1,811	7,014	5,508	14,333
Business Response*	Under Investigation	17	1,811	7,014	5,508	14,333
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented					

Name of Group member or business unit or key activity or site: **Shepparton Plant**

Energy use of the entity during the current reporting period

244,249	GJ
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Table 2.2 - Opportunities assessed to an accuracy of greater 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	4	6,299	1,981	-	8,279
Business Response	Under Investigation	4	6,299	1,981	-	8,279
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented					



Name of Group member or business unit or key activity or site: **Virginia Plant**

Energy use of the entity during the current reporting period

168,105	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	14	1,196	858	216	2,270
	Business Response*	Under Investigation	14	1,196	858	216
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented					

Name of Group member or business unit or key activity or site: **Virginia Plant**

Energy use of the entity during the current reporting period

168,105	GJ
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Table 2.2 - Opportunities assessed to an accuracy of greater 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	8	5,885	850	6,030	12,765
Business Response	Under Investigation	8	5,885	850	6,030	12,765
	To be Implemented					
	Implementation Commenced					
	Implemented					
	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: **Huntingwood Plant**

Energy use of the entity during the current reporting period

277,981	GJ
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Table 2.3 - Opportunities assessed to an accuracy of $\pm 30\%$ 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 – \leq 4 years	> 4 years	
Outcomes of assessment*	Total Identified	8	3,562	9,324	-	12,886
Business Response*	Under Investigation	2	309	1,589		1,898
	To be Implemented					
	Implementation Commenced	2	414			414
	Implemented	4	2,839	7,735		10,574
	Not to be Implemented					

Name of Group member or business unit or key activity or site: **Huntingwood Plant**

Energy use of the entity during the current reporting period

277,981	GJ
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Table 2.4 - Opportunities assessed to an accuracy of greater 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	6	257	5,142	17,775	23,174
Business Response*	Under Investigation	4	257	1,286	17,775	19,318
	To be Implemented					
	Implementation Commenced					
	Implemented	2		3,856		3,856
	Not to be Implemented					

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: Huntingwood - <Window Tinting>
<p> Description: Window tinting was installed on 428 large perimeter windows that surround the packaging hall to reduce radiant heat load on the air conditioning system. Status: Implemented Energy Saved per annum: 1,285 GJ Total Project Cost: \$67,424 Energy Savings: \$25,000 Greenhouse Gas Reductions per annum: 152 tCO₂-e </p>
Opportunity 2: Shepparton - <LED Warehouse Lighting>
<p> Description: Replacement of 110 existing metal halide and mercury vapour hi-bay lights with LED fittings generating power consumption and maintenance savings Status: Implemented Energy Saved per annum: 655 GJ Total Project Cost: \$100,275 Energy Savings: \$53,000 Greenhouse Gas Reductions per annum: 77 tCO₂-e </p>
Opportunity 3: Huntingwood - <Sub Metering>
<p> Description: Installation and web based networking of 42 electricity sub-meters that will be used to measure and monitoring energy savings opportunities across the Huntingwood site. Status: Implemented Energy Saved per annum: 2,571GJ (Estimated) Total Project Cost: \$156,090 Energy Savings: \$50,000 (Estimated) Greenhouse Gas Reductions per annum: 302 tCO₂-e </p>



Part 4 - Declaration

Table 4.1 - Declaration of accuracy and compliance (mandatory information)

<p>The information included in this report has been 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>	
	<p>Insert Title of Signatory here</p>