

Second Public Report under the Energy Efficiency Opportunities Act (2006)

For the Period 1 July 2008 – 30 June 2009

FOR



Coca-Cola Amatil Limited

December 2009

Summary

All 11 of CCA's major manufacturing sites have now had independent energy audits. In 2008/09 CCA completed energy assessments for Food Division's Mooroopna and Kyabram sites. A total of 38 energy efficiency opportunities were identified. Of these 5 have been implemented, 7 assessed and found not to be feasible and 26 are under investigation.

As part of a continuous improvement approach an additional 11 opportunities across the group have been identified internally. This brings to 208 the total number of opportunities identified to date. As of the date of this report, 26 of those have been completed, 2 have commenced implementation, 29 have been scheduled for implementation, 34 have been assessed and found not to be viable and 117 are currently being assessed.

Collection of energy use data was refined during the reporting period as preparation for submission of our first National Greenhouse and Energy Reporting (NGER) report.

In the reporting period, CCA's Food Division undertook a major restructure of its manufacturing operations, consolidating deciduous fruit production from Mooroopna to the Shepparton facility, with the Mooroopna plant scaling down production to tomatoes, fruit snacks and some juice and paste production. This rationalisation, combined with the impact of the severe drought on overall production, meant that overall energy consumption for the Food and Services Division fell by 29% in 2008/09.

A consequence of this significant change is that our original Annual Reporting Schedule (ARS), submitted in 2007, is being reviewed to ensure CCA meets its obligations to assess 80% of its total energy use within the five year reporting cycle.

Part 1 – Information on assessments completed to date

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

Since 2007, CCA's Beverage and Food Divisions has undertaken a series of Energy Efficiency Opportunities assessments as per the program's requirements.

In 2008/09 CCA completed energy assessments for the 2 major sites (SPCA Mooroopna and SPCA Kyabram) not already assessed in 2007/08. All 11 of CCA's major manufacturing sites have now been reviewed.

The assessments were all completed to comprehensive energy audit AS 3598: 2000 level 3 and covered all site energy equipment and processes. Therefore the assessments complied with the intent and key requirements of the Energy Efficiency Opportunities program. They have identified a number of opportunities for achieving energy efficiencies.

In total to date, 208 potential energy efficiency savings projects with up to a four year payback. As of the date of this report, 26 of those have been completed, 2 have commenced implementation, 29 have been scheduled for implementation, 34 have been assessed and found not to be viable and 117 are currently being assessed.

The auditors reports are considered on a site by site basis firstly to assess technical feasibility and then if appropriate against CCA's normal capital investment criteria. Based on detailed assessments so far undertaken by CCA, it appears many of the opportunities identified by the audits are not as attractive as the audit results suggest.

CCA will be reviewing our ARS to ensure further energy assessments of a minimum of 80 per cent of our corporate energy use are conducted within the first five year cycle (from July 2006). This will meet our obligations under this program.

1.2 Table - 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 (all within 5% accuracy)
SPCA Shepparton	Aug 08 – Dec 08	389470
Neverfail (combined)	Aug 08 – Dec 08	7110
CCA Richlands	Nov 07 – Aug 08	141690
CCA Northmead	Nov 07 – Aug 08	99530
CCA Smithfield	Nov 07 – Aug 08	24240
CCA Moorabbin	Nov 07 – Aug 08	61040
CCA Thebarton	Nov 07 – Aug 08	49300
CCA Kewdale	Nov 07 – Aug 08	62900
CCA Bayswater	Nov 07 – Aug 08	52180
SPCA Mooroopna	Nov 08 – June 09	62620
SPCA Kyabram	Nov 08 – June 09	66770
Total energy assessed		1016850
Total energy use of the group in the current reporting year		1396052
Total energy assessed expressed as a percentage of total current energy use		72.8

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: SPCA Mooroopna, SPCA Kyabram

Energy use of the entity during the current reporting period	129390	GJ
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2.1 Table – 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 – ≤ 4 years	> 4 years	
Outcomes of assessment	Total Identified	38	67,076	31,786	-	98,862
Business Response	Under Investigation	26	54,824	18,099	-	72,923
	To be Implemented	5	0	13,687	-	13,687
	Implementation Commenced	0	0	0	-	
	Implemented	0	0	0	-	
	Not to be Implemented	7	12,252	0	-	12,252

2.2 Description of 3 significant opportunities

Opportunity 1.

CCA Moorabbin: Installation of Variable Speed Drives on ammonia condensers and chilled water pump.

Motor-driven devices rarely need to operate at full speed all of the time. Most motor drives are sized for peak conditions. Flow in many fans, pumps and compressors is controlled by discharge dampers or control valves.

A more efficient way to control flow is through variable speed operation of the device. Varying the speed of an AC induction motor is accomplished by adjusting the frequency of the current driving the motor. Installation of this at Moorabbin is estimated to have saved some 2500 GJ per year.

Opportunity 2.

SPCA Kyabram: Capture and return steam condensate

Returning condensate to the boiler plant can reduce the amount of fuel used for steam generation by 10-30%. The condensate return line and collection tank are part of an efficient steam distribution system. Usually the condensate return lines run parallel to the steam lines and return the condensate back to a deaeration tank to be pumped into the boiler. This water is already preheated and can be reused with less energy to produce steam. This practice also reduces the amount of pre-treatment chemicals necessary for boiler fed water. Energy recovery from hot condensate at SPCA Kyabram is estimated to save 10,634 GJ of energy per annum.

Opportunity 3.

CCA Thebarton: Auto shutdown of transport conveyors

Installation of equipment to allow auto shutdown of conveyors when no product is on the conveyor or product is stopped on conveyor after 10 minutes. Estimated energy savings per year are 344 GJ. This project had a payback period of around one year.

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

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

Coca-Cola Amatil

Energy use of the entity during the current reporting period	887,460	GJ
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Table 2.2 - 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	170 (identified a further 11 internally)	258,098	183,669	-	441,767
Business Response	Under Investigation	91	167,227	153,192	-	320,419
	To be Implemented	24	31,148	381	-	31,529
	Implementation Commenced	2	4,209	0	-	4,209
	Implemented	26	14,427	8453	-	22,880
	Not to be Implemented	27	41,087	21,643	-	62,730


Part 3 - Voluntary Contextual Information

Table 3.1 – Contextual Information

<p>Please see CCA's response to the Carbon Disclosure Project at : https://www.cdproject.net/en-US/Pages/Search-For-The-File+-search.cdproject.net/responses2/public/CocaCola_Amatil_Ltd_8037_Corporate_GHG_Emissions_Response_CDP7_2009.asp</p> <p>Please also see CCA sustainability report for more general information: http://citizenship.ccamatil.com.au/</p>

Part 4 - Declaration

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

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> .	
	Terry Davis Group Managing Director Coca-Cola Amatil Limited
Date 18 December 2009	