

**First Public Report under the Energy
Efficiency Opportunities Act (2006)**

FOR



Coca-Cola Amatil Limited

December, 2008

Summary:

In 2007 and 2008 CCA's Beverage and Food Divisions undertook a series of Energy Efficiency Opportunities assessments as per the program's requirements.

The divisions used 0.617 PJ and 0.770 PJ respectively (total 1.240 PJ) and this is CCA's total Australian energy use. To date, CCA has assessed 0.8 PJ, 65 per cent of CCA's total approximate energy use in Australia.

During 2007 and 2008 CCA assessed 7 sites in its Beverage division and 2 sites in its Food and Services Division. A further 2 assessments (Food and Services Division sites) are currently ongoing which will bring the total amount of energy assessed to 1.18 PJ, 95 per cent of CCA's total approximate energy use in Australia.

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 all assessments to date, the external auditors identified 159 potential energy efficiency savings projects with up to a four year payback. As of the date of this report, 23 of those have been completed, 2 have commenced implementation, 20 have been scheduled for implementation, 21 have been assessed and found not to be viable and 93 are currently being assessed. 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 has plans to conduct further energy assessments of up to a total of 95 per cent of our corporate energy use within the first five year cycle (from July 2006). This will exceed our obligations under this program.

Part 1 - Summary of assessments conducted thus far

Table 1.1 - Description of the way in which the corporation has carried out its assessments and over what period was each assessment taken. A statement saying that the intent and key requirements of the Energy Efficiency Opportunities legislation have been met must be made.

CCA commissioned EEP Management Pty Ltd to carry out a comprehensive energy audit AS 3598: 2000 level 3 at 9 sites. Level 3 is the highest level of assessment according to AS 3598:2000 Australian Standards on energy audits and covers all energy equipment and processes on site.

The assessments complied with the intent and key requirements of the Energy Efficiency Opportunities program.

Table 1.2 - Group member/business unit/key activity/site that have been assessed	Energy use per annum in the year the assessment is completed * (GJ)
(see paragraph 1(a) of Schedule 4 of the Regulations)	(see paragraph 2 of Schedule 4 of the Regulations)
SPC A Shepparton	349,070
Neverfail (combined)	16,569
CCA Richlands	121,991
CCA Northmead	88,046
CCA Smithfield	26,624
CCA Moorabbin	67,903
CCA Thebarton	66,763
CCA Kewdale	30,553
CCA Bayswater	48,325

Part 2 - Outcomes of and business response to opportunities that have been identified and evaluated for each group member, business unit, key activity or site assessed

Table 1.3 Status of Opportunities		Number of Opportunities	Estimated energy savings per annum by payback period (GJ)		Total estimated energy savings per annum (GJ)	*Accuracy range (%)
			0 – < 2 years	2 – ≤ 4 years		
Outcomes of assessment	Identified (accuracy ≤ ±30%)	159	258,517	171,066	429,583	+/- 30%
	Identified (accuracy > ±30%)					
	**Total Identified	159	258,517	171,066	429,583	+/- 30%
***Business Response	Under Investigation	93	222,225	133,694	355,919	+/- 30%
	To be Implemented	20	14,307	327	14,634	+/- 30%
	Implementation Commenced	2	4,209	10,053	14,261	+/- 30%
	Implemented	23	12,321	10,528	22,849	+/- 30%
	Not to be Implemented	21	5,455	16,464	21,919	+/- 30%

Details of at least three significant opportunities found through EEO assessments

<p>Table 1.4 Opportunity 1 Compact fluorescent lighting</p>
<p>CCA Kewdale Plant is currently trialling new compact fluorescent lights in High Bay warehouse locations</p> <p>These light fittings use less than half the energy of the current metal halide lights. We have installed 33 of these lights as part of a trial to see if they are suitable in terms of lighting output, energy savings and lifespan for our operations throughout Australia. Initial findings are that capital costs at \$16k are higher than estimated in audit reports but payback periods remain attractive at three years. The remaining issue is confirmation of the lifetime of the new bulbs.</p> <p>In addition to this we have installed 2 High Bay LED lights. These are leading edge technology and are currently uneconomic, however over time the prices will come down. Trialling these now will allow gathering of real data on expected life of these lights.</p>
<p>Opportunity 2 Compressed air (Shepparton)</p>
<p>During the 2008 nil production period the air compressor at Shepparton were turned on to evaluate and estimate air losses through the distribution system. It is estimated that 10 - 20% of air is lost through the current system.</p> <p>Over the over the next year increased maintenance, installation of numerous air receiveal tanks and isolation of the compressed air supply lines will help to upgrade and increase the efficiency of the system. A separate smaller compressor is also being installed to supplement the labelling section of the plant which operates during nil production periods, this will allow the main compressor to be shutdown and minimise line losses.</p> <p>This is expected to cost \$170,000 to implement, and is calculated to save \$60,000 through up to a 5% reduction to the electricity consumed at Shepparton site.</p>
<p>Opportunity 3 Energy Management System</p>
<p>The audits suggested that CCA install more energy sub metering within the manufacturing sites. These meters record demand and energy consumption at half hourly periods which would enable CCA to download the energy load profile to a demand or energy management system.</p> <p>CCA Northmead will pilot an energy management system trial in 2009 at a cost of around \$180k. This will assist in identifying areas where energy can be utilised more effectively. Similar technology has previously been successfully deployed at the Richlands site (Brisbane) on a limited scale where 'smart meters' were attached directly to sub-boards and process mains to give real-time data logging. The data allowed to accurately breakdown energy use for the plant's various production processes.</p>

This allowed a better understanding of the energy (cost) impact of operational decisions (such as line changes) and identified opportunities to reduce wastage, as a result the project resulted in a 20% reduction in electricity usage.

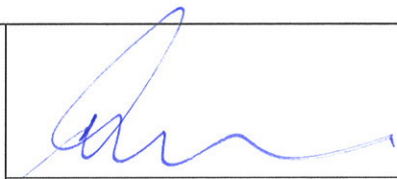
If the Northmead trial proves successful this approach will be rolled out across all sites.

Part 3 - Voluntary Contextual Information

Please see CCA's response to the Carbon Disclosure Project at www.cdproject.net/company-homepage2.asp?id=64 which provides a comprehensive overview of CCA's approach to managing energy efficiency as well as supporting data.

Part 4 – Declaration

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 *Energy Efficiency Opportunities Act 2006* and *Energy Efficiency Opportunities Regulations 2006*.



Terry Davis
Managing Director
Coca-Cola Amatil Limited