

Financial Benefit (Savings) of Electricity Management (Reduction) Forecasts					
	2012	2013	2014	2015	2016
Production (t)	5,134,423	4,942,688	4,754,832	5,336,079	5,314,998
Forecast Electricity Consumption	89,248	88,394	87,557	90,146	90,052
	Comment: Energy Reduction = Forecast electricity consumption x Electricity reduction target				
	Comment: Energy Reduction = Forecast electricity consumption x 5%				
Energy reduction (kWh)	4,462,400	4,462,400	4,462,400	4,462,400	4,462,400
	Comment: CO2 eq reduction = Energy reduction x CO2 per Electricity Consumed factor				
	Comment: CO2 eq reduction = Energy reduction x 1.03				
CO2 eq reduction (tons)	4,596	4,596	4,596	4,596	4,596
	Cost increase = Eskom Tariffs				
Cost increase	25.8%	25.9%	10.0%	10.0%	10.0%
	Comment: Average Electricity Cost (current year) = Average electricity cost (previous year) x Cost increase				
Average electricity cost (c/kWh)	R 0.6359	R 0.8006	R 0.8807	R 0.9687	R 1.0656
	Comment: Annual Savings = Energy reduction x Average electricity cost				
Annual savings (R's)	R 2,837,640	R 3,572,589	R 3,929,848	R 4,322,833	R 4,755,116
Cumulative saving (R's)	R 1,543,840	R 5,116,429	R 9,046,277	R 13,369,109	R 18,124,225
	Comment: Cashflow = Annual Savings				
Cashflow (R's)	R 2,837,640	R 3,572,589	R 3,929,848	R 4,322,833	R 4,755,116
	Comment: Total Savings over 5 years = Sum of Cashflow				
Total savings over 5 years	R 18,124,225				
Normalised annual savings	R 3,624,845				