

Summary of Potential Savings Canning Industries Co. Ltd.

Area	Annual Energy Savings		Cost Savings (JD/yr.)	Investment Required (JD)	Pay Back Period (Years)	CO ₂ (TON/year)
	kWh/year					
	Electrical	Thermal				
Chapter 3 : Electrical System						
Peak Demand Management			6,000	Nil	Immediate	
Chapter 4 : Lighting System						
Replacement of Conventional Ballast By Electronic Ballast For Fluorescent Lamps.	7,947		373	1,951	5.2	5.3
Replacement of 250 watt and 400 watt HG-Mercury Lamps with 250 watt Metal Halide Lamps	13,324		626	1,248	2	8.9
Installing Photocell For External Lighting.	3,750		176	100	0.57	2.5
Chapter 5: Cooling System						
Installing Cooling Tower	26,284		1,235	7,540	6.0	17.6
Increasing Chiller Temperature	16,970		800	Nil	Immediate	11.3
Chapter 6: Compressed Air System						
Arresting the Leakage	126,000		5,922	Marginal	Immediate	84.4
Overhauling the Atlas Copco GA 408 compressor (1 st Option)	46,723		2,196	1,200	0.55	31.3
Working with three efficient compressors (2 nd Option)	63,000		2,961	Marginal	Immediate	42.2
Installing the compressed air control system for press machine. (assuming that components only are purchased and installation is carried out by plant's personnel)	212,766		10,000	1,855	0.2	142.6
Installing a Compressed Air System Manager	10,638		1,000	1,750	1.7	7.1
Chapter 7: Printing Furnaces						
Operating the Three Furnaces Using Liquefied Petroleum Gas (LPG) Taken From Tanks and Replacing the LPG Cylinders by LPG Tanks			49,360	85,741	1.73	
Total	527,404		80,649	101,385	1.26	353.2
% Saving (based on 2005 & 2006 consumption)*			46 %			

*Based on first option for compressed air system