Part 1

ENERGY USED BY PACKAGING MATERIALS

Conversion Factors:

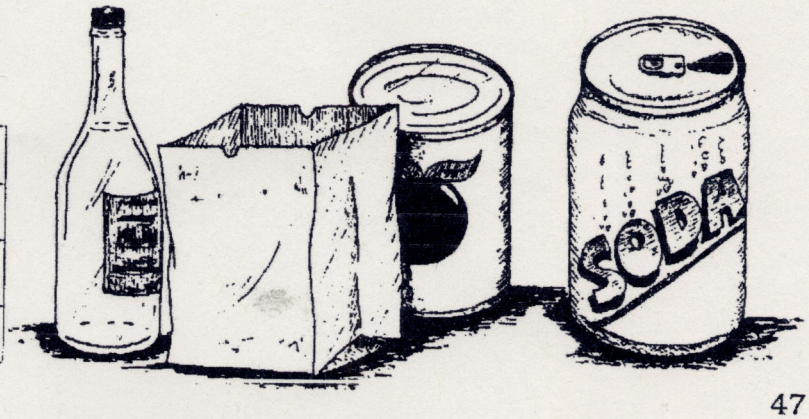
Material	**kcal/lb*	**kcal/oz*	**kcal/gm*	*Btus/lb*	*Btus/gm*
PAPER	5,134	321	11.4	20,373	44.9
GLASS	1,918	120	4.2	7,611	16.8
STEEL/TIN	3,724	233	8.3	14,778	32.6
ALUMINUM	24,837	1,552	54.7	98,560	217.1
PLASTIC	4,670	292	10.3	18,532	40.8

* kcal = 1 kilocalorie = 1 Calorie
1 pound = 454 grams
1 Btu = .252 Calories = 252 calories

Type of container	*Mass of container*	*Btus per container*	*Calories of food in container*	*Btus of food in container*
PAPER				
GLASS				
STEEL/TIN				
ALUMINUM				
PLASTIC				

Part 2

ENERGY USE REDUCTION THROUGH RECYCLING

Paper — 30-55%
Glass — 8-32%
Steel/Tin — 60-70%
Aluminum — 90-95%

Type of container	*Btus saved per container*
PAPER	
GLASS	
STEEL/TIN	
ALUMINUM