

### Summary of potential savings Radisson SAS Hotel (Aqaba)

Area	Annual Energy Savings		Investment Required (JD)	Pay Back Period (Years)
	KWh/yr. (t=thermal)	Cost Savings (JD/yr.)		
Energy Accounting Centre	N/A	N/A	7,500	N/A
Installing Electronic Ballasts <sup>1</sup>	27,462	1,785	5,212	2.9
Installing Compact Fluorescent Lights (CFL) <sup>1</sup>	144,714	9,406	7,333	0.8
Installing Keycards for the hotel Rooms <sup>1</sup>	61,449	3,994	13,500	3.4
Installing a new 150 TR Chiller <sup>2</sup>	495,000	32,175	49,000	1.5
Installing a new Absorption Chiller <sup>3</sup>	615,385	40,000	80,000	2
Installing new pumps	135,969	8,838	2,000	0.23
Tuning-Up the hot water boiler	507,092 t	6,500	150	0.3 Months
Tuning-Up the steam boiler	91,354 t	1,171	150	1.5 Months
Lowering the stack temperature by inserting turbulators	27,305 t	350	30	1 Month
Installing an economizer on the hot water boiler	92,447 t	1,185	5,950	5
Using Steam instead of electricity in the main dryers of the laundry.	150,567 t	1,930	4,000	2.9
Automating the blow down process(Solenoid+timer)	N/A	N/A	600	N/A
installation of door switches on the refrigerators	3,820 t	249	50	0.2
installing a timer to regulate the operation of the kitchen fan	4,800 t	312	22	25 Days
Insulate uninsulated steam & hot water pipes & condensate tank	32,375 t	415	147	0.38
<b>Total</b>				
<b>1-Option 1.</b>		<b>68,310</b>	<b>88,144</b>	<b>1.3</b>
<b>2- Option 2.</b>		<b>76,135</b>	<b>119,644</b>	<b>1.7</b>
<b>% of Energy saving</b>				
<b>1- Option 1</b>		<b>36%</b>		
<b>2- Option 2</b>		<b>40%</b>		

1- 75% Occupancy was assumed, for 100% and 50% occupancy, refer to Chapter 4.

2- Option 1.

3- Option 2.