

CoP Investigation Results in Large Hotel

Building Energy Usage Summary	
Building Size (gross sq. meters)	51,097
Building Size (conditioned sq. meters)	51,097
Annual Electric Consumption (kWh/yr)	6,658,200
Annual Electric Cost (with applicable taxes)	\$399,450
Bulk cost per kWh (with demand charges)	\$0.060
Utility Rate Tariff	1211
Fuel Type	Steam
Annual Fuel Consumption (GJ)	22,855
Annual Fuel Cost (with applicable taxes)	\$404,782
Fuel Cost per gigajoule	\$17.71
Total Energy Cost (with applicable taxes)	\$804,232
Electric Energy Use Intensity (EUI) (kWh/sq. meters)	130
Building Energy Use Intensity (EUI) (ekWh/sq. meters)	255

	Electric Rate Schedule			
	1200	1201	1210	1211
Demand (\$/kW, monthly)	\$9.21	\$9.07	\$8.92	\$8.78
Rate Schedule effective:	1/Apr/10	1/Apr/10	1/Apr/10	1/Apr/10

Applicable Taxes	12.0%
Rate Rider	2.5%

Eff.: Jan 1, 2011

Annual Peak Month Demand (kW)	1,215
Rate Class	LGS

RCx Costs & Savings	
Implementation Cap	\$137,500
Implementation Cost	\$143,350
Annual Electric Usage Savings (kWh)	412,620
Annual Electric Usage Savings - Avg. of Year 1&2 (\$)	\$38,731
Savings as % of Total Electric Usage	6.2%
Annual Electric Demand Savings (\$)	\$392
Annual Fuel Savings (GJ)	2,853
Annual Fuel Savings (\$)	\$50,525
Savings as % of Total Fuel Usage	12.5%
Total Energy Cost Savings - Avg. of Year 1&2 (\$)	\$89,647
RCx Project Simple Payback	1.6
Savings as % of Total Energy Cost	11.1%

Owner must implement package of measures with < 2 year payback up to implementation cap

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Retrofit Costs & Savings	
Implementation Cost	\$24,000
Annual Electric Usage Savings (kWh)	47,794
Annual Electric Usage Savings (\$)	\$4,486
Savings as % of Total Electric Usage	0.7%
Annual Electric Demand Savings (\$)	\$352
Annual Fuel Savings (GJ)	75
Annual Fuel Savings (\$)	\$1,321
Savings as % of Total Fuel Usage	0.3%
Total Energy Cost Savings (\$)	\$6,159
Retrofit Project Simple Payback	3.9
Savings as % of Total Energy Cost	0.8%