

CoP Investigation Results in Medium Size Hotel (80 Guest Rooms)

Building Energy Usage Summary	
Building Size (gross sq. meters)	13,935
Building Size (conditioned sq. meters)	13,935
Annual Electric Consumption (kWh/yr)	2,681,640
Annual Electric Cost (with applicable taxes)	\$154,125
Bulk cost per kWh (with demand charges)	\$0.057
Utility Rate Tariff	1200
Fuel Type	Natural Gas
Annual Fuel Consumption (GJ)	3,271
Annual Fuel Cost (with applicable taxes)	\$65,445
Fuel Cost per gigajoule	\$20.01
Total Energy Cost (with applicable taxes)	\$219,570
Electric Energy Use Intensity (EUI) (kWh/sq. meters)	192
Building Energy Use Intensity (EUI) (ekWh/sq. meters)	258

	Electric Rate Schedule				
	1200	1201	1210	1211	
Demand (\$/kW, monthly)	\$9.21	\$9.07	\$8.92	\$8.78	\$8.020
Rate Schedule effective:	1/Apr/10	1/Apr/10	1/Apr/10	1/Apr/10	1/Jan/11

Applicable Taxes	12.0%
Rate Rider	2.5%

Eff.: Jan 1, 2011

Annual Peak Month Demand (kW)	558
Rate Class	LGS

RCx Costs & Savings	
Implementation Cap	\$27,775
Implementation Cost	\$31,700
Annual Electric Usage Savings (kWh)	224,778
Annual Electric Usage Savings - Avg. of Year 1&2 (\$)	\$21,144
Savings as % of Total Electric Usage	8.4%
Annual Electric Demand Savings (\$)	\$2,813
Annual Fuel Savings (GJ)	291
Annual Fuel Savings (\$)	\$5,818
Savings as % of Total Fuel Usage	8.9%
Total Energy Cost Savings - Avg. of Year 1&2 (\$)	\$29,775
RCx Project Simple Payback	1.0
Savings as % of Total Energy Cost	13.6%

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

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Retrofit Costs & Savings	
Implementation Cost	\$18,200
Annual Electric Usage Savings (kWh)	81,652
Annual Electric Usage Savings (\$)	\$7,681
Savings as % of Total Electric Usage	3.0%
Annual Electric Demand Savings (\$)	\$0
Annual Fuel Savings (GJ)	46
Annual Fuel Savings (\$)	\$912
Savings as % of Total Fuel Usage	1.4%
Total Energy Cost Savings (\$)	\$8,593
Retrofit Project Simple Payback	2.1
Savings as % of Total Energy Cost	3.9%