

Energy Actions 2017

Interested in more detailed reports and monitoring? Ask about what EcoCare can do for your property.



Guest Room

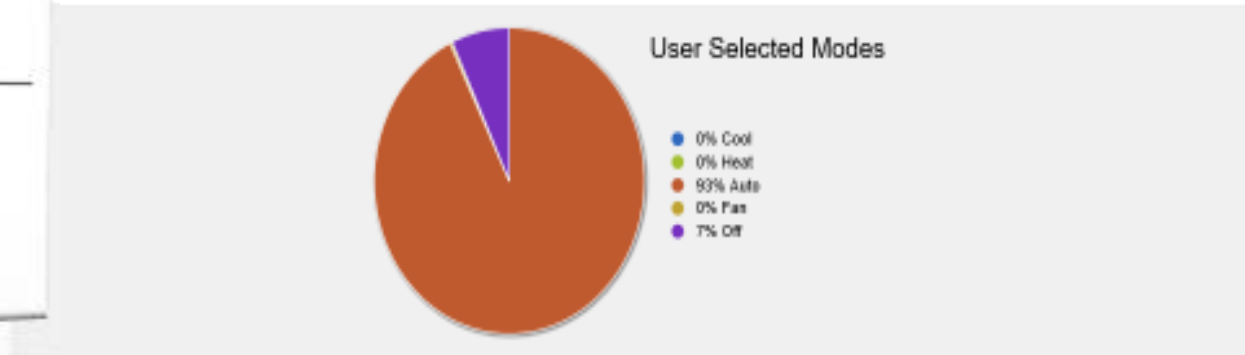
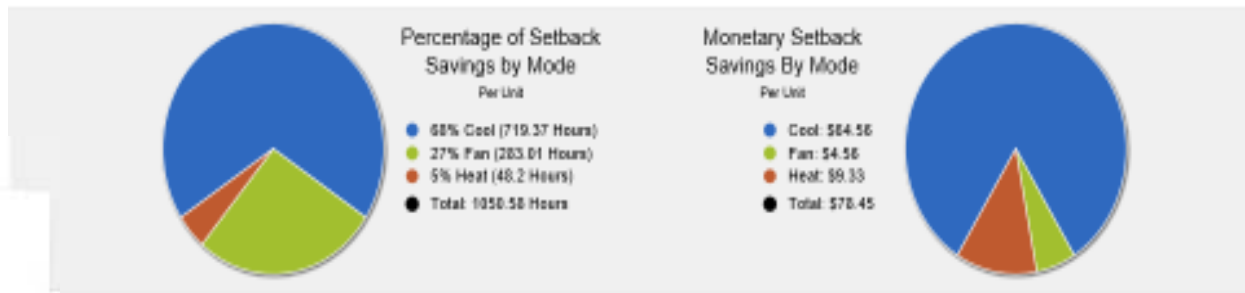
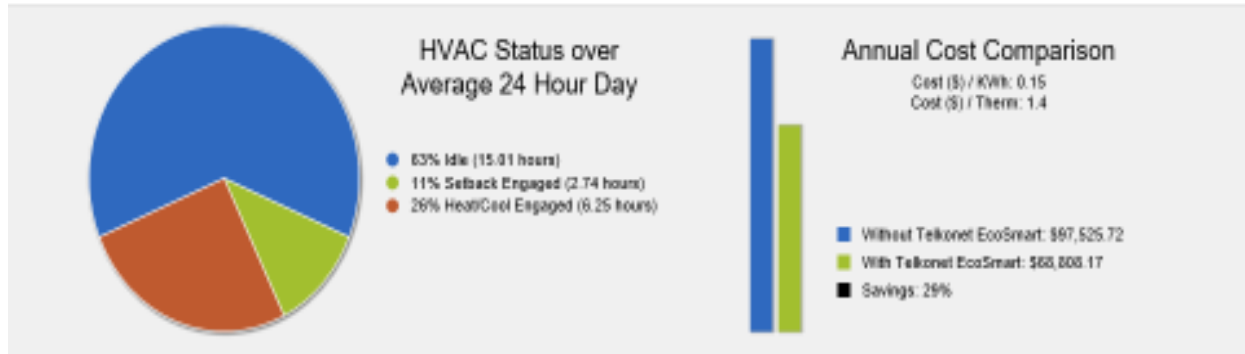


Ice Machine/ Sitting Area

Devices in Sample: 281
Annual Savings: \$28,717.55 (Projected)

Average Per Unit:

- Sample Period: 280.2 days**
- Runtime Savings: 767.57 hours**
- Electric Savings: 465.97 kWh**
- Gas Savings: 6.11 Therms**



Ritz-Carlton - Boston Common

Last refresh: 2018-03-08 12:51 pm

202 Rooms 281 Thermostats 0 EcoGuards 0 EcoSwitches Network Status: Coordinators: 8 up, 0 down Thermostats: 281 up, 0 down, 0 alerts

Room Occupancy



Thermostat Mode



Thermostat Fan Setting



Thermostat State

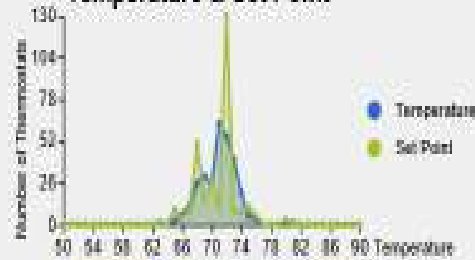


Current Commands

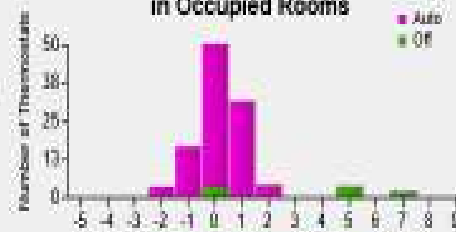
Switch Profile Load Profile Other



Temperature & Set Point



Set Point Differential in Occupied Rooms



Current Weather



Overcast
34°F

Wind: 11 at 11 mph
12:00PM 3/08/18

Boston, Logan International Airport,
MA





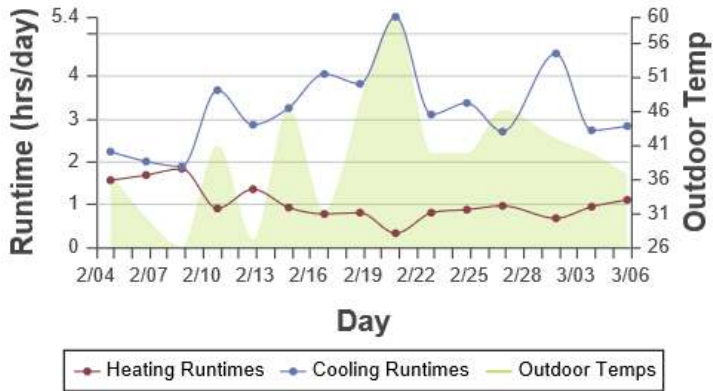
Performance

	Last 30 Days	Previous 30 Days
	281 rooms (1 estimated)	281 rooms (2 estimated)
Savings Runtime Percent:	41.99%	41.09%
Average Runtime - Cool:	3.15 hrs / day	2.07 hrs / day
Average Runtime - Heat:	1.05 hrs / day	1.72 hrs / day
Cooling degree days:	1,221.04	929.45
Heating degree days:	0.00	0.00
Occupancy Percent:	54.97%	55.64%
Overall Savings:	\$2,159.47	\$2,091.62



Heating/Cooling Runtimes & Outdoor Temperatures

Last 30 Days
 Previous 30 Days



Alerts / Tickets

0 Alerts

Alerting Devices



- 0 alerting
- 281 no alerts

Active Alerts



- 0 Battery Alert
- 0 Device Lost Communication

0 Active Tickets



- 0 Outage
- 0 Critical
- 0 Non-critical
- 0 Special request



Company: Ritz Carlton Hotel
 Facility Address: 10 Avery Street Boston, MA

Guest Room Bulbs

Ritz-Carlton Boston MA Energy Calculation Interior

Existing Lamps			Proposed Lamps			Annual Operating Hours	KWH Savings	Attick stock	
Qty	Lamp/Ballast Description	Existing Lamp/Ballast Wattage	Qty	Lamp/Ballast Description	New Lamp/Ballast Wattage				
1	847	A19 incandescent bedside lamp	53	454	A19 60W	10	4380	176,737	27 (100W)
2	189	A21 Incandescent 2700K	150	214	A19 60W	10	4380	114,800	67 (60W)
3	189	4WW36 R-14 desk lamp	40	273	A21 Standing Lamp 100W	17	4380	12,785	130 (40W)
4	587	35ZU56 CFL Spiral	13	989	A19 40W	7	4380	3,101	18 (Candelabra)
	460	Ceiling Light Corridor	25	316	A19 40W	7	4380	40,681	
	91	Wall Sconce (corridors)	40	158	Candelabra 60W	7	4380	11,099	
5							Total KWH Savings	359,204	
6							KWH Rate	\$0.15	
7							Annual Savings	\$53,880.57	
8							Cost of Materials	\$16,910.72	
9							Utility Incentive	\$10,156.85	
10							Cost after Incentive	\$6,753.87	
11							Payback Period (Yrs)	0.13	



2018

savings Commitment \$80,000

YTD Savings \$ -4859

1. Project Overview

The three primary goals of this project are as follows:

- Improve the quality of light and ensure consistency
- Reduce electrical consumption and lighting maintenance costs
- Reduce the carbon footprint of the facility

The scope of this project includes the Ritz-Carlton as per the data provided during the Data Collection process.

This location currently uses a total of 1,526 bulbs. Based upon the current electricity rate of \$0.15/kWh, the current estimated operating expense for these lights and fixtures is about \$5,827.00 per month, as illustrated below:



Utilizing ThinkLite solutions, the monthly electric consumption cost shall be reduced by 53% to \$2,315.70 while the lamp replacement costs will be completely eliminated for the life of the solution.

ThinkLite proposes to replace the existing bulbs with ThinkLite LED bulbs that are customized to fit into the existing fixtures. This will result in an amortized monthly savings of \$3,511.10 and an estimated annual savings of \$42,133.16.

ThinkLite LEDs will not only use significantly less energy but will improve the overall lighting of the floor space.

Cost of Waiting

Not doing this project costs you
\$3,511.10/ month

