

- Devices in Sample: 77
- Annual Savings: \$12,985.16



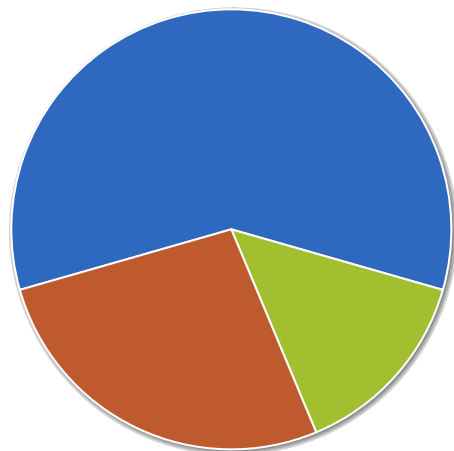
Average Per Unit:

- Sample Period: 404.19 days
- Runtime Savings: 1383.08 hours
- Electric Savings: 193.27 kWh
- Gas Savings: 160.95 Therms

EcoCentral Savings Report

Miami Marriott Dadeland Hotel

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



HVAC Status over Average 24 Hour Day

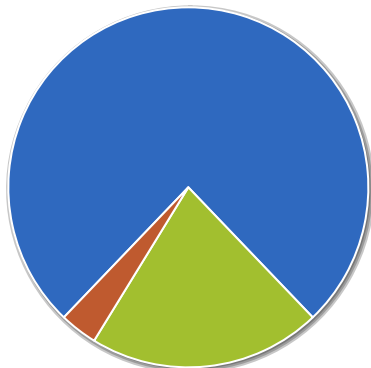
- 59% Idle (14.13 hours)
- 14% Setback Engaged (3.42 hours)
- 27% Heat/Cool Engaged (6.45 hours)



Annual Cost Comparison

Cost (\$) / kWh: 0.1514
Cost (\$) / Therm: 0.9785

- Without Telkonet EcoSmart: \$38,897.82
- With Telkonet EcoSmart: \$25,912.66
- Savings: 33%



Percentage of Setback Savings by Mode

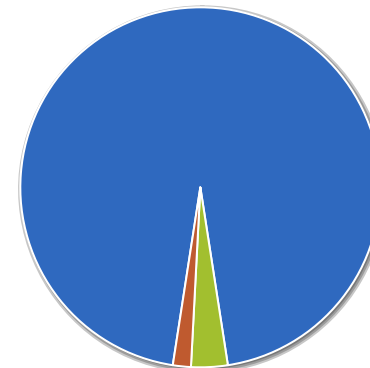
Per Unit

- 76% Cool (1323.97 Hours)
- 21% Fan (365.92 Hours)
- 3% Heat (59.12 Hours)
- Total: 1749.01 Hours

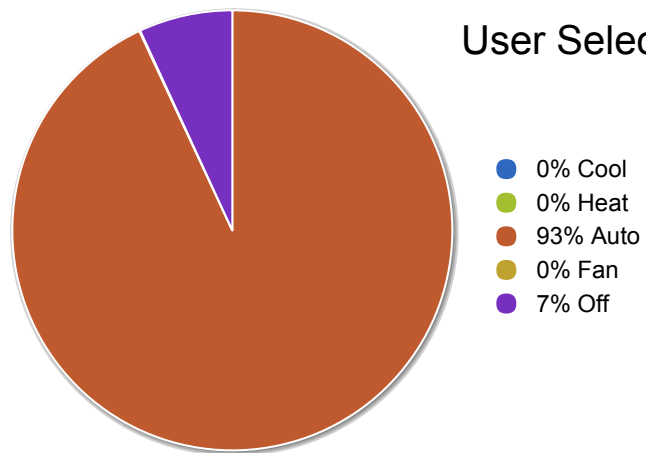
Monetary Setback Savings By Mode

Per Unit

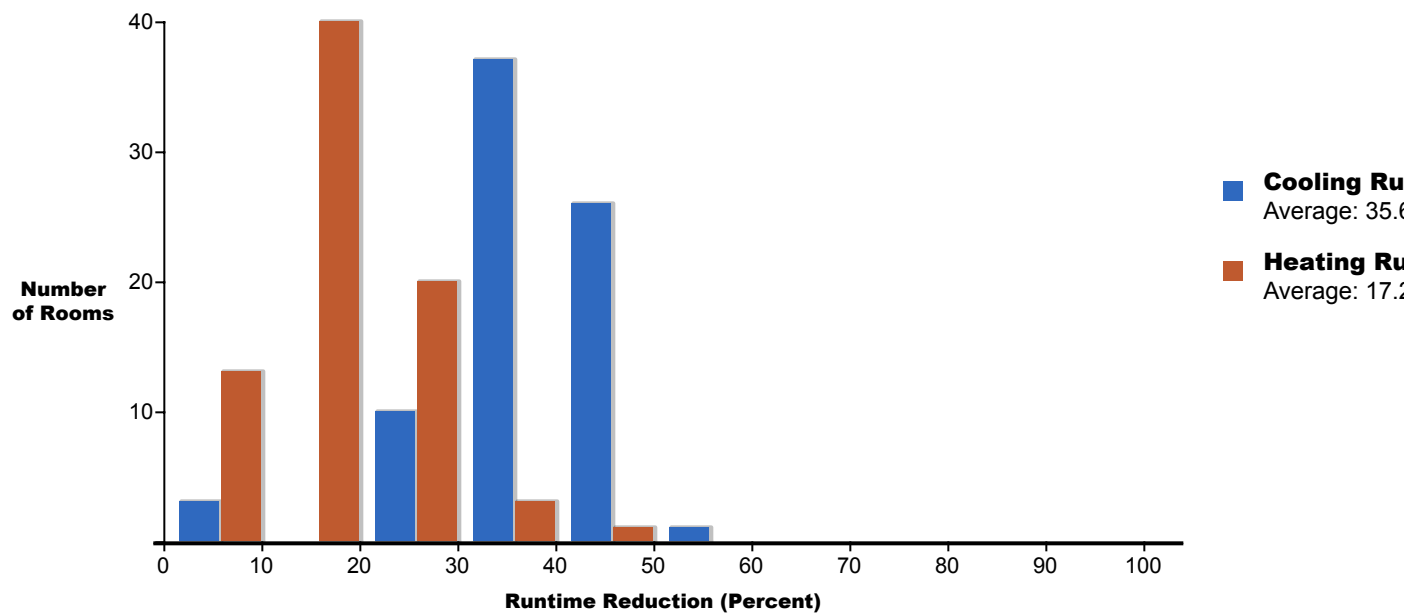
- Cool: \$177.61
- Fan: \$6.12
- Heat: \$3.01
- Total: \$186.75



User Selected Modes



Runtime Reduction



Totaled Averages:

Average Installed Duration (per unit): 404.19 days

Average Savings Since Installation:

	Per Unit:	Total:
Heat (kWh):	6.53	503
Heat (BTU):	206911.07	15932152.6
Heat (Cost):	\$3.01	\$232.05
Cool (kWh):	146.3	11264.97
Cool (BTU):	15887602.94	1223345426.14
Cool (Cost):	\$177.61	\$13,675.95
Fan (kWh):	40.43	3113.44
Fan (Cost):	\$6.12	\$471.38
Overall (kWh):	193.27	14881.42
Overall (Cost):	\$186.75	\$14,379.38

Duty Cycle by Mode:

	Occupied:	Unoccupied:	Overall:
Heat:	44.22%	8.68%	36.55%
Cool:	44.22%	14%	28.41%

Runtime Engaged by Occupancy:

	Occupied:	Unoccupied:	Overall:
Heating Engaged (hrs/day):	0.51	0.05	0.56
Cooling Engaged (hrs/day):	4.29	1.6	5.89

IEC (2 Pipe)

Fan coil unit 4PMOD-6E

Summary Results:

Number of Devices in Sample:	77
Average Installed Duration:	404.19 days
Average Physical Occupancy of Rooms:	50.01%
<u>Heating Savings%:</u>	20.73%
<u>Cooling Savings%:</u>	35.74%
<u>Overall Savings%:</u>	34.67%
Average Heating Runtime Savings (per room):	0.15 hrs/day
Average Cooling Runtime Savings (per room):	3.28 hrs/day
Average Fan-Only Runtime Savings (per room):	0.91 hrs/day
Average Occupied Duty Cycle Percentage (Heating):	44.22%
Average Unoccupied Duty Cycle Percentage (Heating):	8.68%
Average Occupied Duty Cycle Percentage (Cooling):	44.22%
Average Unoccupied Duty Cycle Percentage (Cooling):	14%

Detailed Calculations (per room):

Cooling:

	Without EMS:	With EMS:	Savings:
Average runtime per day (hours)	9.16	5.89	3.28
kWh per day per HVAC	1.01	0.65	0.36
BTU per day per HVAC	109976.4	70669.15	39307.25
Average total cooling runtime (hours)	3704.28	2380.31	1323.97
Average total cooling runtime (kWh)	409.32	263.02	146.3
Average total cooling runtime (BTU)	44451376.53	28563773.59	15887602.94

Heating:

	Without EMS:	With EMS:	Savings:
Average runtime per day (hours)	0.71	0.56	0.15
kWh per day per HVAC	0.08	0.06	0.02
BTU per day per HVAC	2469.07	1957.16	511.92
Average total heating runtime (hours)	285.14	226.02	59.12
Average total heating runtime (kWh)	31.51	24.98	6.53
Average total heating runtime (BTU)	997974.91	791063.84	206911.07

Fan Only:

	Without EMS:	With EMS:	Savings:
Average runtime per day (hours)	7.09	6.18	0.91
kWh per day per HVAC	0.78	0.68	0.1
Average total fan runtime (hours)	2865.72	2499.8	365.92
Average total fan runtime (kWh)	316.66	276.23	40.43

Overall:

	Without EMS:	With EMS:	Savings:
Average total runtime (hours)	3989.42	2606.33	1383.08
Average total consumption	757.49	564.23	193.27

Combined Savings Over Installed Duration:

	Per Unit:	Total:
Runtime Savings (hours):	1383.08	106497.5
Electric Consumption (kWh):	193.27	14881.42
Gas Consumption (BTU):	16094514.01	1239277578.74
Monetary Savings:	\$186.75	\$14,379.38

Please note: This savings report includes estimates based on electric and gas consumption reductions. This savings report does not include utility peak demand, utility rates based on time of consumption, or equipment-wear savings estimates. These estimates are not based on information regarding boiler efficiency, auxiliary strip heating, cooling or heating loop rejection reuse, hot water availability information, or central cooling kW/ton. Please contact us regarding your needs if you require a more detailed report.