

GEM System®

SYSTEM PERFORMANCE RESULTS

Lodging Technology • PO Box 7919 • Roanoke, VA 24019

Wingate Inn

N Charleston SC

Gateway Hospitality

HVAC Unit Type:	PTAC	Fan Coil	Split Sys.	Heat Pump
	X			

HVAC Wattage (Kw):	Compressor	Heater	Fan(s)
	0.94	3.60	0.20

Install. Date	12/7/04
Last Date	3/1/05
Reading Date	4/6/05

RECORDED HVAC OPERATION

GEM System® Controlled Rooms

Room Nos.	Cool Hours			Heat Hours			Occupancy Hours		
	110	114		110	114		110	114	
Present	190.20	185.60		45.40	40.20		1132.40	1198.40	
Last	146.60	139.90		41.20	32.80		774.10	861.50	
Beginning									
	Total Hrs. per Room			Total Hrs. per Room			Total Hrs. per Room		
This Period	43.60	45.70		4.20	7.40		358.30	336.90	
Cumulative	190.20	185.60		45.40	40.20		1132.40	1198.40	
	Average Cooling Hours			Average Heating Hours			Average In-room Occupancy		
This Period		44.65			5.80			347.60	
Cumulative		187.90			42.80			1165.40	

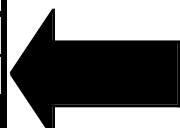
UNControlled Rooms

Room Nos.	Cool Hours			Heat Hours			Occupancy Hours		
	115	118		115	118		115	118	
Present	349.80	340.70		17.10	40.40		1196.30	1116.80	
Last	206.50	264.00		15.60	37.60		824.10	750.40	
Beginning									
	Total Hrs. per Room			Total Hrs. per Room			Total Hrs. per Room		
This Period	143.30	76.70		1.50	2.80		372.20	366.40	
Cumulative	349.80	340.70		17.10	40.40		1196.30	1116.80	
	Average Cooling Hours			Average Heating Hours			Average In-room Occupancy		
This Period		110.00			2.15			369.30	
Cumulative		345.25			28.75			1156.55	

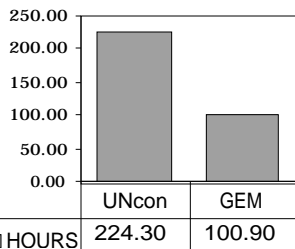
Summary Data

	Total HVAC Hours		Reduced HVAC Operation and Savings						
	GEM Sys. Rooms	UNcon. Rooms	Reduced Cool Hrs.	Reduced Heat Hrs.	Total Hrs. Reduced	Occ. Diff. GEM +/-	PERCENT SAVINGS	Adjust for Occupancy	
This Period	100.90	224.30	130.70	-7.30	123.40	-43.40	55%	52%	
Cumulative	461.40	748.00	314.70	-28.10	286.60	17.70	38%	39%	

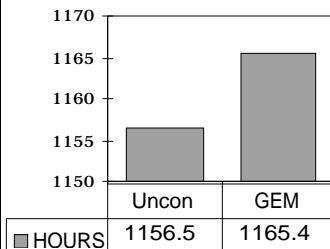
120 Days Elapsed Since Testing Began



Average HVAC Operation This Period



Average In-Room Occupancy



Cumulative HVAC Operation Assuming Equal Occupancy (Comparison of HVAC Runtime/Occupied Hour)

