



Water Heating Costs and Monthly Savings with Swing Green Solutions

www.swing-green.com

1.855.439.7446

Hospital					
Occupancy per day	500	GreenFoX DWHR Savings Per Month	AirFoX ACHR Savings Per Month		
Gallons per person	35				
	Typical Monthly Expenditures				
Gallons of hot water per month	532,292				
Electric Water Heater Cost	\$12,845		\$5,230		\$8,563
Gas Water Heater Cost	\$5,110		\$2,081		\$3,407
BTU's Used	310,491,052	BTU's Recovered	126,414,214	BTU's Recovered	206,994,035

Health Club					
Showers per day	300	GreenFoX DWHR Savings Per Month	AirFoX ACHR Savings Per Month		
Gallons per person	25				
	Typical Monthly Expenditures				
Gallons of hot water per month	228,125				
Electric Water Heater	\$5,505		\$2,241		\$3,670
Gas Water Heater	\$2,190		\$892		\$1,460
BTU's Used	133,067,594	BTU's Recovered	54,177,520	BTU's Recovered	88,711,729

Dormitory					
Occupancy - 2 person per room	200	Average Occupancy	98%		
Gallons, per person, per day	30	Person per room	2		
	Typical Monthly Expenditures	GreenFoX DWHR Savings Per Month		AirFoX ACHR Savings Per Month	
Gallons of hot water per month	357,700				
Electric Water Heater	\$8,632		\$3,514		\$5,755
Gas Water Heater	\$3,420		\$1,393		\$2,280
BTU's Used	208,649,987	BTU's Recovered	84,950,352	BTU's Recovered	139,099,991

Full Service Hotel					
Number of rooms	290	Average Occupancy	66%		
Gallons, per person, per day	30	Person per room	2		
	Typical Monthly Expenditures	GreenFoX DWHR Savings Per Month		AirFoX ACHR Savings Per Month	
Gallons of hot water per month	349,305				
Electric Water Heater	\$8,429		\$3,432		\$5,619
Gas Water Heater	\$3,340		\$1,360		\$2,227
BTU's Used	203,753,100	BTU's Recovered	82,956,619	BTU's Recovered	135,835,400

Full Service Restaurant					
Meals per day	500	GreenFoX DWHR Savings Per Month	AirFoX ACHR Savings Per Month		
Gallons per meal	5				
	Typical Monthly Expenditures				
Gallons of hot water per month	76,042				
Electric Water Heater	\$1,835		\$747		\$1,223
Gas Water Heater	\$730		\$297		\$487
BTU's Used	44,355,865	BTU's Recovered	18,059,173	BTU's Recovered	29,570,576

Residential					
Occupancy - 4-person home	4	GreenFoX DWHR Savings Per Month	AirFoX ACHR Savings Per Month		
Gallons, per person, per day	35				
	Typical Monthly Expenditures				
Gallons of hot water per month	4,258				
Electric Water Heater	\$103		\$42		\$69
Gas Water Heater	\$41		\$17		\$27
BTU's Used	2,483,928	BTU's Recovered	1,011,314	BTU's Recovered	1,655,952

Operating Costs
 Electric \$0.13/kWh
 Electric Water Heater Energy Factor 0.92
 Natural Gas \$1.004/Therm
 Natural Gas Water Heater Energy Factor 0.61

(DWHR) Drain Water Heat Recovery
 Ground water temp 50 °F
 Drain water temp 100 °F
 Model Efficiency 0.57

(ACHR) Air Conditioning Heat Recovery
 A/C 5 Tons residential
 A/C ≥ 20 Tons commercial
 Cooling Months : 8

Calculations based on the above variables.

Call 1-855-439-7446 NOW for a custom analysis of your facility.

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