

Energy/Financial Comparison

Supply AHU1-8: 90,000 cfm, Exhaust EAHU 1-2: 127,500 cfm

		Without RAERS	Konvekta	Konvekta w evap cooling
SUMMARY				
Winter				
Heating Energy Requirement	kWh/a	2,375,925	71,270	71,270
Effectiveness Heating			97%	97%
Summer				
Cooling Energy Requirement	kWh/a	1,917,965	1,796,564	939,803
Effectiveness Cooling/Reheat			6%	51%
Year				
Heating Energy	kWh/a	2,375,925	71,270	71,270
Cooling Energy	kWh/a	1,917,965	1,796,564	939,803
Electricity (Δ Fans, Pumps)	kWh/a	26,468	92,680	103,619
Total Energy Consumption	kWh/a	4,320,358	1,960,514	1,114,692
Effectiveness			55%	74%
Annual Energy Cost				
Heating Energy		235,217	7,056	7,056
Cooling Energy		268,515	251,519	131,572
Electricity (Δ Fans, Pumps)		3,705	12,975	14,507
Total Energy Cost		507,437	271,550	153,135
Annual Energy Cost Savings			235,887	354,302