

Energy Budget by Energy Source - STD No Econ

Multi-Story Office Building
Carrier Corporation

08/27/2002
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1. Annual Coil Loads

Component	Load (kBTU)	(kBTU/ft ²)
Cooling Coil Loads	7,253,937	22.313
Heating Coil Loads	2,385,366	7.337
Grand Total	9,639,303	29.650

2. Energy Consumption by Energy Source

Component	Site Energy (kBTU)	Site Energy (kBTU/ft ²)	Source Energy (kBTU)	Source Energy (kBTU/ft ²)
HVAC Components				
Electric	2,703,852	8.317	9,656,615	29.703
Natural Gas	3,026,501	9.309	3,026,501	9.309
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Remote Chilled Water	0	0.000	0	0.000
HVAC Sub-Total	5,730,353	17.626	12,683,116	39.013
Non-HVAC Components				
Electric	8,752,817	26.923	31,260,060	96.155
Natural Gas	0	0.000	0	0.000
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Non-HVAC Sub-Total	8,752,817	26.923	31,260,060	96.155
Grand Total	14,483,170	44.550	43,943,176	135.168

Notes:

1. 'Cooling Coil Loads' is the sum of all air system cooling coil loads.
2. 'Heating Coil Loads' is the sum of all air system heating coil loads.
3. Site Energy is the actual energy consumed.
4. Source Energy is the site energy divided by the electric generating efficiency (28.0%).
5. Source Energy for fuels equals the site energy value.
6. Energy per unit floor area is based on the gross building floor area.
 Gross Floor Area **325101.4** ft²
 Conditioned Floor Area **325101.4** ft²