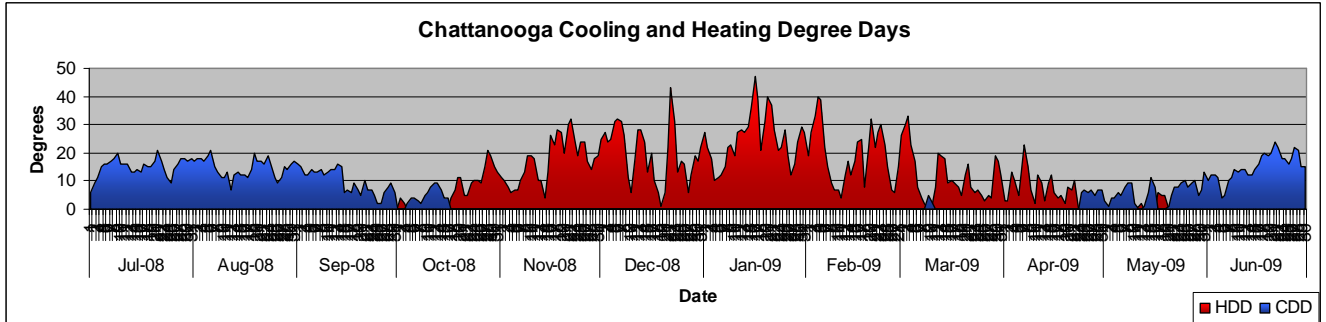
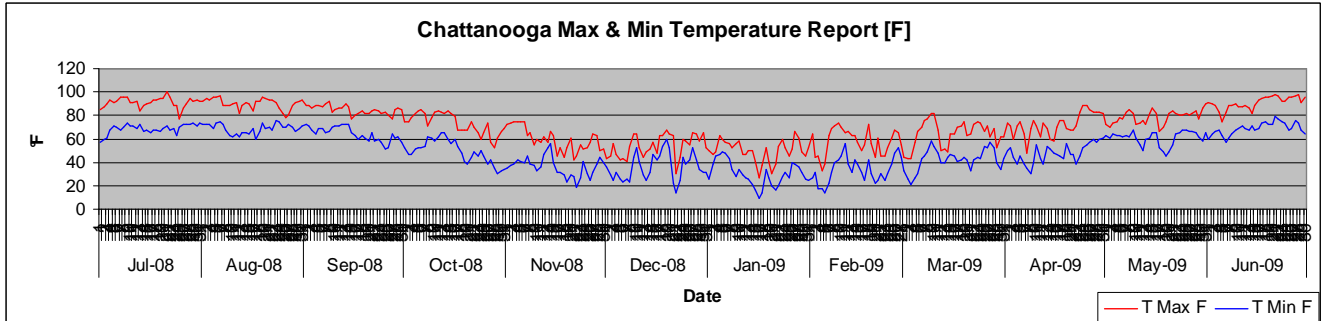


Chattanooga, TN

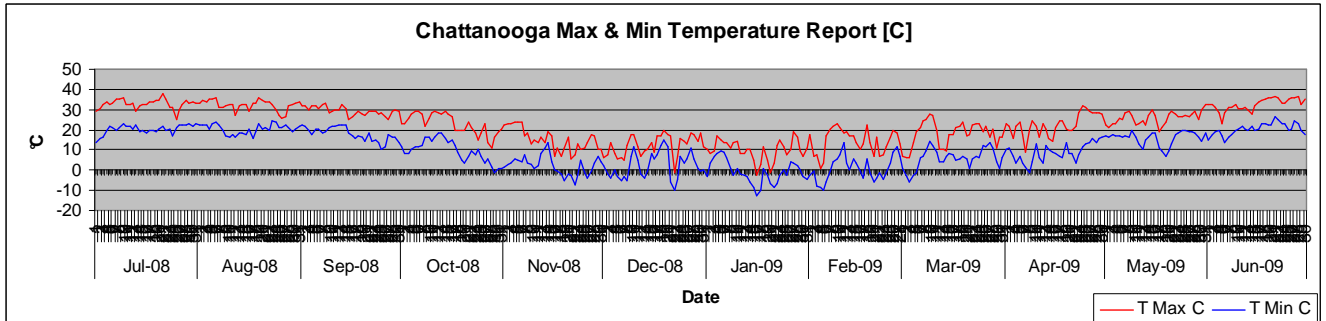
Weather Charts



Avg. T°[F] per month



Avg. T°[C] per month



Weather Breakdown

Month/Yr	hrs/yr <46[F]	Avg[F] <46[F]	hrs/yr <60[F]	Avg[F] <60[F]	HDD/yr	CDD/yr	hrs/yr >65[F]	Avg[F] >65[F]	hrs/yr >75[F]	Avg[F] >75[F]
	1,632	37	4,200	47	3,157	1,953	4,080	76	2,376	80
Month	hrs <46 [F]	Avg[F] <46	hrs <60 [F]	Avg[F] <60	HDD	CDD	hrs >65 [F]	Avg[F] >65	hrs >75 [F]	Avg[F] >75
Jul-2008	0		0		0	465	744	80	672	81
Aug-2008	0		0		0	452	744	80	696	80
Sep-2008	0		0		0	295	720	75	336	79
Oct-2008	24	44	336	54	171	67	312	70	0	
Nov-2008	240	39	696	48	510	0	0		0	
Dec-2008	384	38	720	45	610	0	0		0	
Jan-2009	528	36	744	40	767	0	0		0	
Feb-2009	312	37	648	45	536	0	0		0	
Mar-2009	120	39	600	51	363	8	48	69	0	
Apr-2009	24	42	384	55	181	45	168	71	0	
May-2009	0		72	60	19	170	624	72	48	77
Jun-2009	0		0		0	451	720	80	624	81

The City Heating Season chart depicts the normal months of the year when your sites heating system is in operation. It is not unusual in many areas of the country that your normal site heating system may operate prior to October or after May. When the AMS Waste Heat Recovery Unit is in operation will be up to the individual site regulated by temperature setting.

City Heating Season		
Heating Mo's	Hr's ≤60F ^o	Avg F ^o ≤60
Oct-2008	336	54
Nov-2008	696	48
Dec-2008	720	45
Jan-2009	744	40
Feb-2009	648	45
Mar-2009	600	51
Apr-2009	384	55
May-2009	72	60
Total	4,200	50

Cost Savings

These are examples only. There are many variables that affect the actual outcomes. These would include GPM, temperature of incoming liquid and make-up, fan cfm, size restrictions, current cost of current heating fuel and type of plant heat used. Each AMS Waste Heat Recovery Package Unit is tailor designed to your specific site and needs so that we get the most MMBTU's from your waste heat, heat that is currently going out the stack. Many times, depending upon a sites waste heat availability, multiple units can be deployed multiplying the savings.

Fuel cost/unit	\$7.5000
Fuel BTU/unit	1000000
Efficiency rating of heater	65.00%
Total effective cost of heat in MMBTU**	\$11.54

Example 1:

MMBTU/hr	0.430
hrs ambient temp <60 deg F/yr	4200
Cost of heat/MMBTU**	\$11.54
Total savings/yr	\$20,838.46

Example 2:

MMBTU/hr	0.713
hrs ambient temp <60 deg F/yr	4200
Cost of heat/MMBTU**	\$11.54
Total savings/yr	\$34,553.08

**Cost of heat in MMBTU: Assumption: Gas Fuel Steam Heat at \$7.50/unit