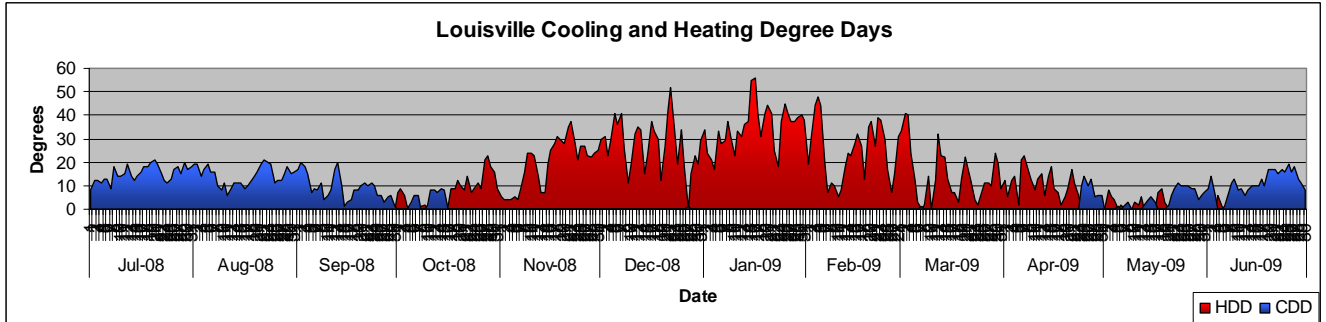
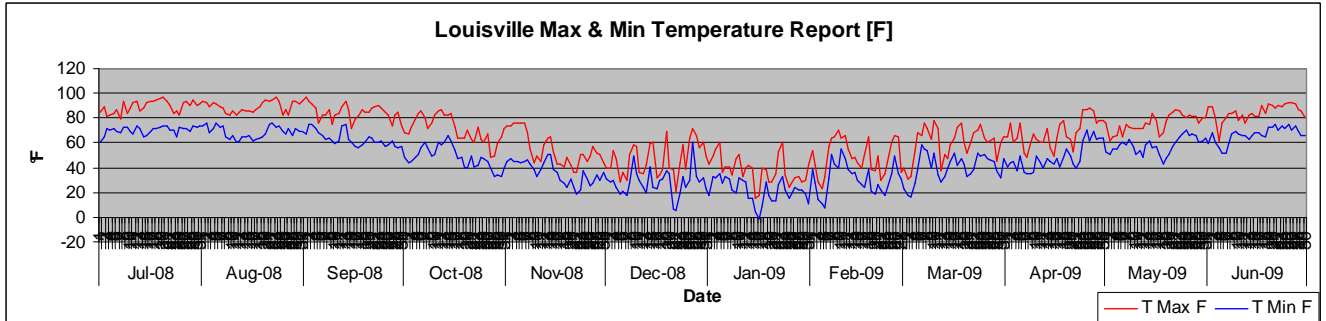


# Louisville, KY

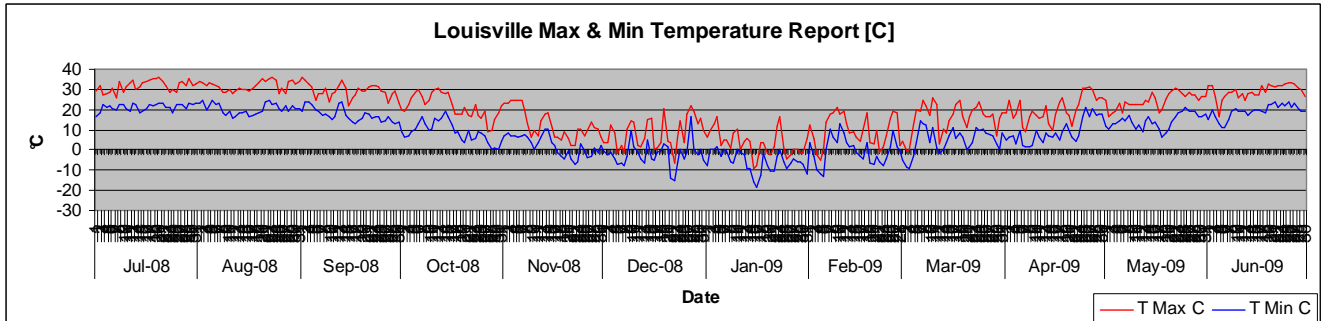
## Weather Charts



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]
	2,376	33	4,416	43	4,169	1,740	3,768	76	1,944	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	466	744	80	696	80
Aug-2008	0		0		0	436	744	79	600	80
Sep-2008	0		0		0	273	720	74	216	81
Oct-2008	48	43	432	54	212	57	216	71	0	
Nov-2008	432	38	624	43	578	0	0		0	
Dec-2008	528	32	720	37	849	1	24	66	0	
Jan-2009	696	29	744	30	1,080	0	0		0	
Feb-2009	408	32	672	40	687	0	0		0	
Mar-2009	216	36	576	47	449	1	24	66	0	
Apr-2009	48	43	504	53	259	64	168	74	48	79
May-2009	0		120	58	48	113	456	71	24	76
Jun-2009	0		24	59	7	329	672	77	360	80

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 <sup>o</sup>	Avg F <sup>o</sup> ≤60
Oct-2008	432	54
Nov-2008	624	43
Dec-2008	720	37
Jan-2009	744	30
Feb-2009	672	40
Mar-2009	576	47
Apr-2009	504	53
May-2009	120	58
<b>Total</b>	<b>4,392</b>	<b>45</b>

## 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%
<b>Total effective cost of heat in MMBTU**</b>	<b>\$11.54</b>

Example 1:

MMBTU/hr	0.430
hrs ambient temp <60 deg F/yr	4392
Cost of heat/MMBTU**	\$11.54
<b>Total savings/yr</b>	<b>\$21,791.08</b>

Example 2:

MMBTU/hr	0.713
hrs ambient temp <60 deg F/yr	4392
Cost of heat/MMBTU**	\$11.54
<b>Total savings/yr</b>	<b>\$36,132.65</b>

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