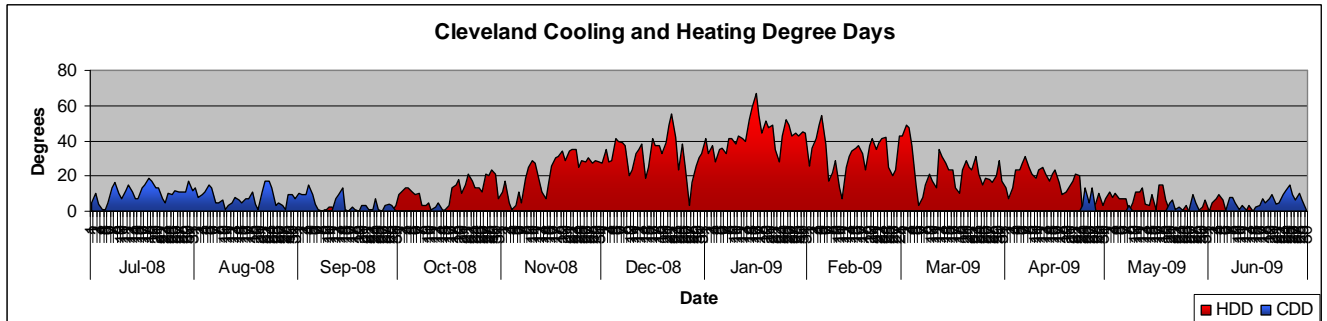
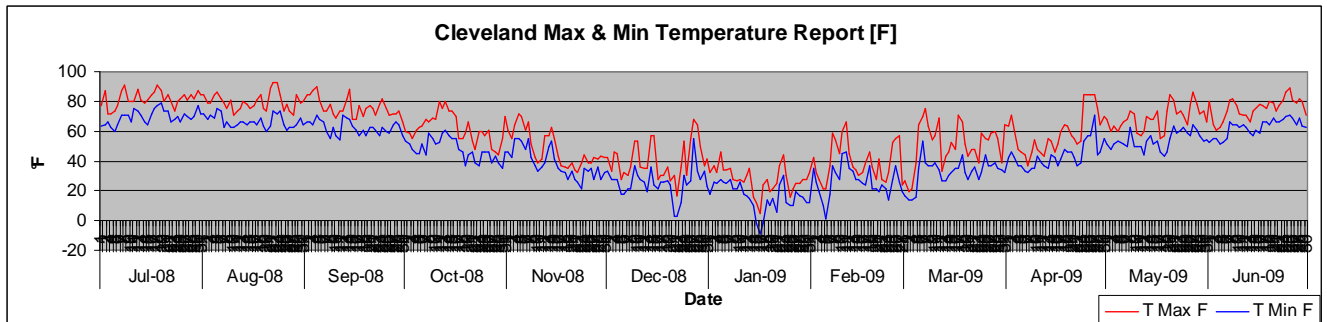


Cleveland, OH

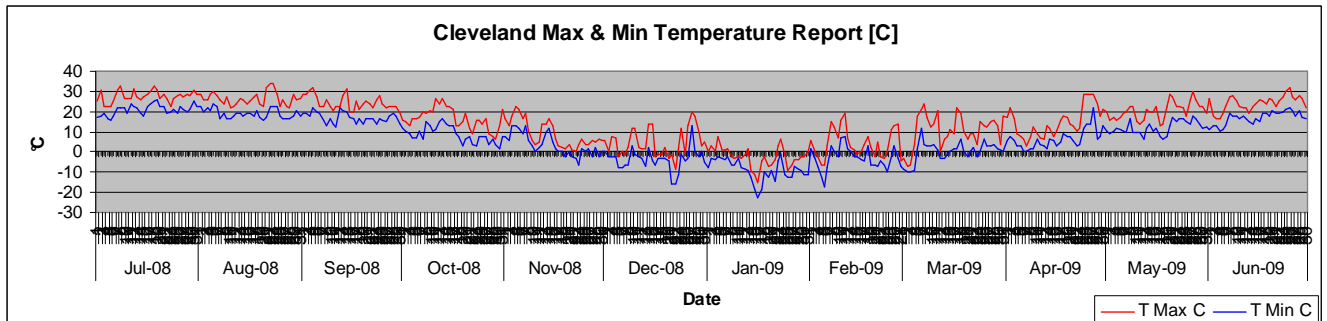
Weather Charts



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]
	3,312	31	5,160	39	5,587	885	2,952	72	768	79
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	319	744	75	408	79
Aug-2008	0		0		0	238	744	73	216	78
Sep-2008	0		0		8	116	528	70	48	79
Oct-2008	120	44	552	51	329	9	96	67	0	
Nov-2008	432	36	672	42	655	0	0		0	
Dec-2008	672	31	720	32	996	0	0		0	
Jan-2009	744	22	744	22	1,336	0	0		0	
Feb-2009	600	31	672	33	897	0	0		0	
Mar-2009	432	35	720	41	716	0	0		0	
Apr-2009	312	42	600	47	457	34	96	74	48	78
May-2009	0		384	56	162	32	192	69	0	
Jun-2009	0		96	58	31	137	552	71	48	79

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	552	51
Nov-2008	672	42
Dec-2008	720	32
Jan-2009	744	22
Feb-2009	672	33
Mar-2009	720	41
Apr-2009	600	47
May-2009	384	56
Total	5,064	40

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	5064
Cost of heat/MMBTU**	\$11.54
Total savings/yr	\$25,125.23

Example 2:

MMBTU/hr	0.713
hrs ambient temp <60 deg F/yr	5064
Cost of heat/MMBTU**	\$11.54
Total savings/yr	\$41,661.14

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