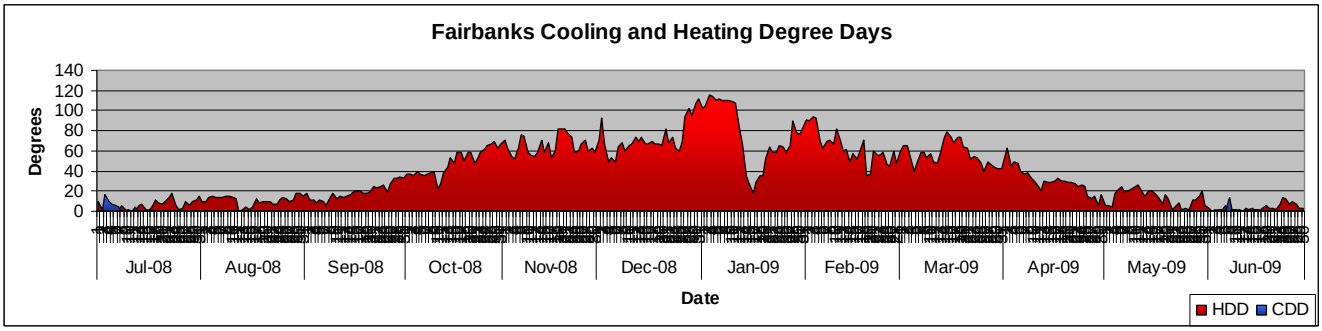
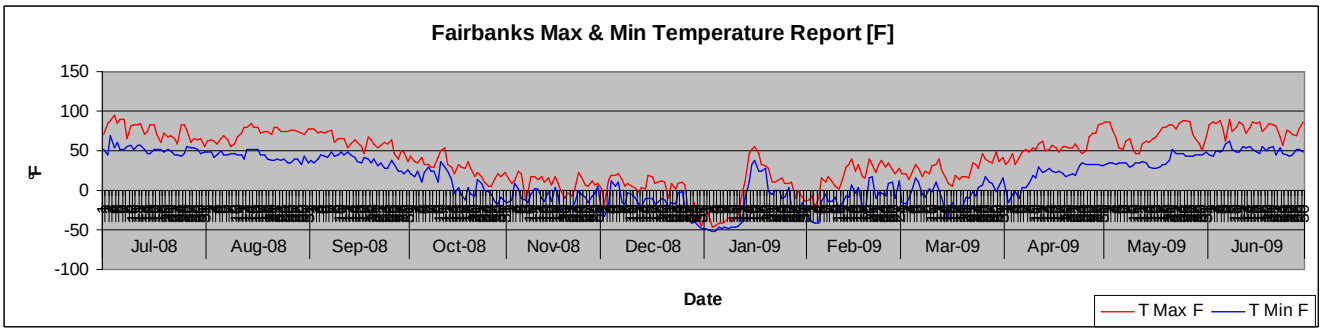
Fairbanks, AK

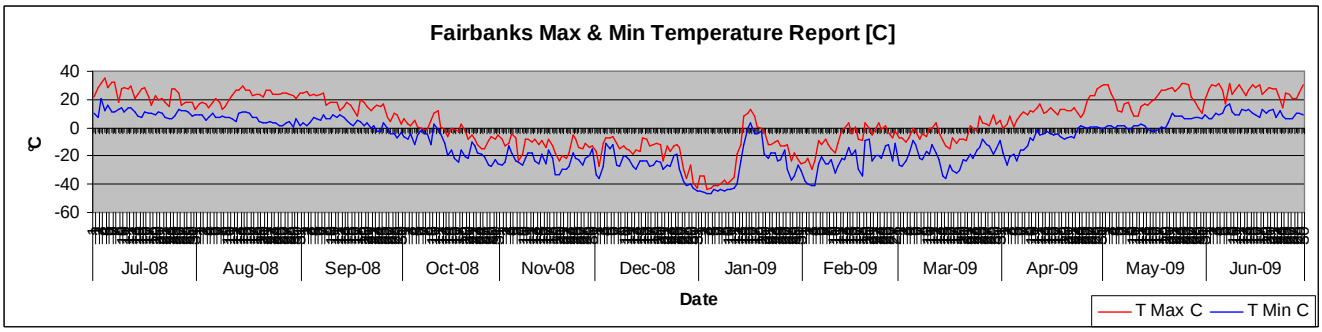
Weather Charts



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]
	5,328	13	7,536	25	13,793	72	384	69	48	81
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		408	56	164	49	192	71	24	81
Aug-2008	0		624	53	325	0	0		0	
Sep-2008	264	38	720	46	567	0	0		0	
Oct-2008	696	17	696	17	1,398	0	0		0	
Nov-2008	672	0	672	0	1,826	0	0		0	
Dec-2008	744	-7	744	-7	2,246	0	0		0	
Jan-2009	720	-12	744	-10	2,340	0	0		0	
Feb-2009	672	2	672	2	1,767	0	0		0	
Mar-2009	744	9	744	9	1,749	0	0		0	
Apr-2009	600	31	720	35	909	0	0		0	
May-2009	216	43	600	49	404	5	72	67	0	
Jun-2009	0		192	57	98	18	120	69	24	78

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°	Avg F° ≤60
Oct-2008	696	17
Nov-2008	672	0
Dec-2008	744	-7
Jan-2009	744	-10
Feb-2009	672	2
Mar-2009	744	9
Apr-2009	720	35
May-2009	600	49
Total	5,592	12

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 July-May	7344
Cost of heat/MMBTU**	$11.54
Total savings/yr	**$36,437.54**

Example 2:

MMBTU/hr	0.713
hrs ambient temp <60 deg F/yr July-May	7344
Cost of heat/MMBTU**	$11.54
Total savings/yr	**$60,418.52**

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