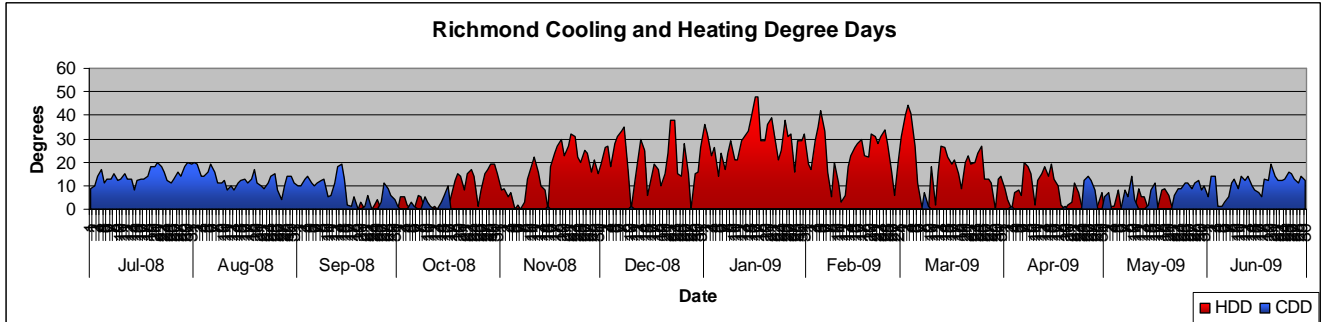
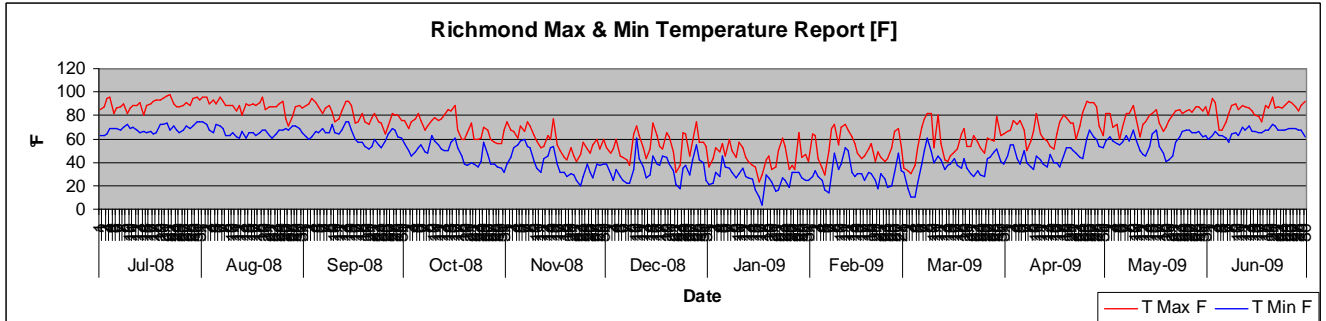


# Richmond, VA

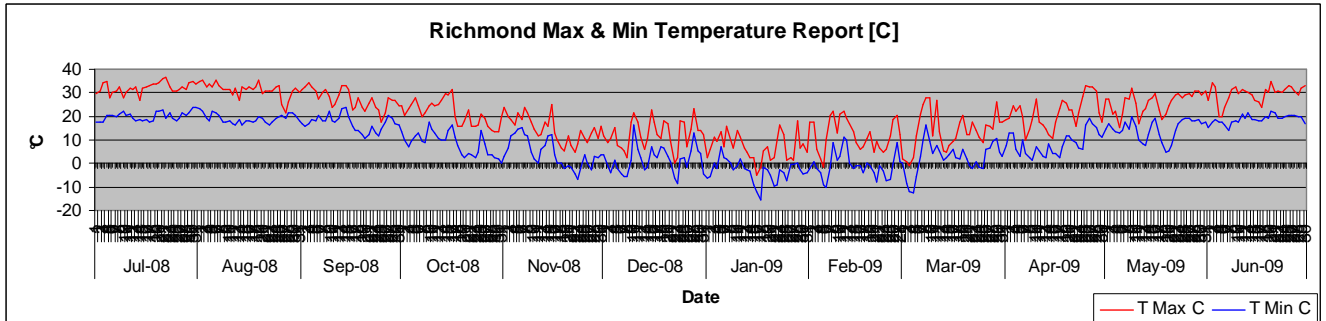
## Weather Charts



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]
	2,112	36	4,320	45	3,729	1,624	3,720	75	2,184	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	441	744	79	672	80
Aug-2008	0		0		0	386	744	77	552	79
Sep-2008	0		0		9	224	600	74	264	78
Oct-2008	0		432	53	218	33	216	69	0	
Nov-2008	312	40	600	46	476	1	24	66	0	
Dec-2008	336	36	696	43	631	1	24	66	0	
Jan-2009	672	34	744	36	913	0	0		0	
Feb-2009	432	36	648	42	633	0	0		0	
Mar-2009	336	37	624	43	567	8	48	69	0	
Apr-2009	24	45	408	53	226	48	144	73	72	78
May-2009	0		168	58	56	160	456	73	144	77
Jun-2009	0		0		0	322	720	76	480	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 $\leq 60F^{\circ}$	Avg $F^{\circ} \leq 60$
Oct-2008	432	53
Nov-2008	600	46
Dec-2008	696	43
Jan-2009	744	36
Feb-2009	648	42
Mar-2009	624	43
Apr-2009	408	53
May-2009	168	58
<b>Total</b>	<b>4,320</b>	<b>47</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	4320
Cost of heat/MMBTU**	\$11.54
<b>Total savings/yr</b>	<b>\$21,433.85</b>

Example 2:

MMBTU/hr	0.713
hrs ambient temp $< 60$ deg F/yr	4320
Cost of heat/MMBTU**	\$11.54
<b>Total savings/yr</b>	<b>\$35,540.31</b>

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