12-3-11***** Demo Sites******* these sites were developed over a 3.5 yr. period these sites are more throughly monitored***	CO PPM	CO_2 %	SO_2 PPM	SO PPM	NOx PPM	CFM	Fuel used gal/day	Fuel savings	Stack temp.	Actual firing rate gph	% more run time
Corona Films											
Orig	38	11.6	47	340	90	790	17.8		460	4.17	
BB	1	13.6	68	21	82	380	12.6	29.21%	325	2.42	
Raw % reduction of emissions	97%	-17%	-45%	94%	9%	52%					
% reduction applying CFM reduction	**99%**	**39%**	**25%**	**97%**	**53%**			**21.20%**			
Total % reduction/day /same BTU output	**81%**	**29%**	**19%**	**73%**	**40%**						23%
Paint Project (season1)											
Orig	51	10.9	37	107	57	580	16.5		590	1.25	
BB w/#4	8	12.5	12	14	48	210	12.8	22.42%	420	0.94	
Raw % reduction of emissions	84%	-15%	68%	87%	16%	64%					
% reduction applying CFM reduction	**90%**	**27%**	**79%**	**92%**	**46%**			**22.40%**			
Total % reduction/day/same BTU output	**87%**	**26%**	**77%**	**88%**	**43%**						1.5
Orig	51	10.9	37	107	57	580	16.5		590	1.25	
season 2 BB w/#3	1	12.9	2	10	54	190	10.9	33.94%	445	0.82	
Raw % reduction of emissions	98%	-18%	95%	91%	5%	67%					
% reduction applying CFM reduction	**99%**	**20%**	**96%**	**94%**	**36%**			**28.70%**			
Total % reduction/day/ same BTU output	**99%**	**20%**	**96%**	**94%**	**36%**						0.13
Brooks Home-season 1.											
Orig	28	10.6	19	106	57	540	8.4		400	1.35	
BB (a)	3	12.9	22	35	83	290	5.8	31%	325	1.15	
Raw % reduction of emissions	89%	-22%	-16%	67%	-46%	46%					
% reduction applying CFM reduction	**95%**	**44%**	**46%**	**85%**	**33%**			**31%**			
Total % reduction/ day/same BTU output	**97%**	**45%**	**47%**	**88%**	**38%**						-10%
season 3 Orig	28	10.6	19	106	57	540	8.4		400	1.35	
BB (b)	2	12.3	23	21	108	290	5.6		322	1.08	
Raw % reduction of emissions	93%	-16%	-21%	80%	-89%	46%					
% reduction applying CFM reduction	**97%**	**46%**	**44%**	**91%**	**12%**			**28.50%**			
Total % reduction/ day/same BTU output	**96%**	**47%**	**48%**	**93%**	**14%**						10%
Town of Needham, MA											
Orig	85	7.9	41	265	67	990	42.8		655	4.97	
BB	6	10.9	25	23	87	475	28.18	34.16%	322	3.86	
Raw % reduction of emissions	93%	-38%	39%	91%	-30%	52%					
% reduction applying CFM reduction	**96%**	**28%**	**68%**	**95%**	**32%**			**34.10%**			
Total % reduction/day/ same BTU output	**98%**	**30%**	**70%**	**96%**	**35%**						-2%
Mass. MCI - Dorm C Space heating - Boiler 1											
Orig	32	11	45	153	86	875	20.6		575	2.18	
BB	6	12.4	38	65	95	620	13.7	33.50%	438	1.43	
Raw % reduction of emissions	81%	-13%	16%	58%	-10%	29%					
% reduction applying CFM reduction	**95%**	**23%**	**75%**	**88%**	**68%**			**32.50%**			3%
Total % reduction/day/same BTU output	**94%**	**21%**	**73%**	**86%**	**64%**						
NH - Wastewater treatment plant											
Orig	48	9.8	26	650	46	1690	55.6		470	4.1	
BB	9	11.2	35	55	76	590	35.8	35.61%	320	2.6?	
Raw % reduction of emissions	81%	-14%	-35%	92%	-65%	65%		31.70%			
% reduction applying CFM reduction	**88%**	**21%**	12%	**94%**	**-8%**			**31.70%**			
Total % reduction/day/same BTU output	**87%**	**20%**	**37%**	**93%**	**-7%**						2%
Villa Augustina School											
Boiler 1 retest after cleaning Orig	89	10.9	189	499	175	9600	185		628	14.5	
BB (b)	8	12.7	185	28	163	3280	139	31%	565	9.5	
Raw % reduction of emissions	91%	-17%	2%	94%	7%	66%					
% reduction applying CFM reduction	**94%**	**23%**	**36%**	**96%**	**39%**			**31%**			
Total % reduction/day / BTU outputf	**78%**	**21%**	**13%**	**91%**	**41%**						24%
Easter Seals											
Orig	32	10.5	22	187	110	2,750	62		516	7.8	
BB	5	11.7	6	5	85	970	48.3	28.70%	284	5.3	
Raw % reduction of emissions	84%	-11%	73%	97%	23%	65%					
% reduction applying CFM reduction	**90%**	**28%**	**82%**	**98%**	**50%**			**28.70%**			
Total % reduction/day / BTU outputf	**88%**	**27%**	**81%**	**96%**	**48%**						2%
TOTAL~ AVERAGE Reductions-Demo sites.	**87%**	**21%**	**58%**	**89%**	**35%**			**28.20%**			
Jan 17-18 2012 testing											
CK Lab results of EPA Total Reductions											
NO.2 fuel oil	**65%**	**15%**	**36%**		**18%**			**28.00%**	23%		
NO. 4 fuel oil/ BRB-57	**65%**	**11%**	**28%**		**16%**			**30.00%**	32%		
B-100 100% bio fuel	**60%**	**9%**	**35%**		**5%**			26%	21%		

Boiler sooted up above normal levels, sulfur soot being burned as well.
% redution of gases and fuel /degree day tested/aggrement of parties
Total % reductions in lbs/day{CFD} of flue gasses.taken at base of stack; before regulator.
Total % reductions in lbs/day EPA test of flue gasses.taken after air regulator.40%air dilution.

* All sites have had a repeated testing on a regular basis to evaluate consistent value.
** All site have a wide range of boiler size, methods of heating, that represent real life conditions.
***** Instrumentation used were EPA rated and non-EPA rated, some sites by 3ed party with simular results.**