

5/7/12

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WHEELABRATOR NORTH BROWARD
ANNUAL GAS CAPACITY FACTOR
2012

UNIT 1

	Gas Cu. Ft	Gas Million Cu. Ft	Gas Million BTUs
January	187873	0.19	196.18
February	2173280	2.17	2,269.34
March	57761	0.06	60.31
April	540343	0.54	564.23
May		0.00	0.00
June		0.00	0.00
July		0.00	0.00
August		0.00	0.00
Sept		0.00	0.00
October		0.00	0.00
November		0.00	0.00
December		0.00	0.00
TOTAL	2959257	2.96	3090.06

UNIT 2

	Gas Cu. Ft	Gas Million Cu. Ft	Gas Million BTUs
January	326138	0.33	340.55
February	793120	0.79	828.18
March	493912	0.49	515.74
April	212878	0.21	222.29
May		0.00	0.00
June		0.00	0.00
July		0.00	0.00
August		0.00	0.00
Sept		0.00	0.00
October		0.00	0.00
November		0.00	0.00
December		0.00	0.00
TOTAL	1826048	1.83	1906.76

UNIT 3

	Gas Cu. Ft	Gas Million Cu. Ft	Gas Million BTUs
January	446989	0.45	466.75
February	639600	0.64	667.87
March	717327	0.72	749.03
April	381779	0.38	398.65
May		0.00	0.00
June		0.00	0.00
July		0.00	0.00
August		0.00	0.00
Sept		0.00	0.00
October		0.00	0.00
November		0.00	0.00
December		0.00	0.00
TOTAL	2185695	2.19	2282.30

Potential heat input per year:
(302.5 MMBtu/hr) (8760 hrs/yr)

2649900

Potential heat input per year:
(302.5 MMBtu/hr) (8760 hrs/yr)

0.12

Annual Gas Capacity Factor:
(Gas MMBtu)/(Potential MMBtu)*100

Potential heat input per year:
(302.5 MMBtu/hr) (8760 hrs/yr)

2649900

Potential heat input per year:
(302.5 MMBtu/hr) (8760 hrs/yr)

0.07

Annual Gas Capacity Factor:
(Gas MMBtu)/(Potential MMBtu)*100

Potential heat input per year:
(302.5 MMBtu/hr) (8760 hrs/yr)

2649900

Potential heat input per year:
(302.5 MMBtu/hr) (8760 hrs/yr)

0.09

Annual Gas Capacity Factor:
(Gas MMBtu)/(Potential MMBtu)*100

**WHEELLABRATOR NORTH BROWARD
GAS USED PER MONTH
CALCULATION SHEET**

MONTH/YEAR	
Apr-12	
Gas used (from Ops Stats) (in hundreds of cu. ft.)	11350
Gas used (from Ops Stats) (in cu. ft.)	1135000
Unit 1 burner run time (in hrs) (from ops daily report)	30.84
Unit 2 burner run time (in hrs) (from ops daily report)	12.15
Unit 3 burner run time (in hrs) (from ops daily report)	21.79
Facility total burner run time (in hrs)	64.78
Gas used in Unit 1 (in cu. ft.)	540343
Gas used in Unit 2 (in cu. ft.)	212878
Gas used in Unit 3 (in cu. ft.)	381779

Wheabrator North Broward
Daily Totals and Averages Log

End Time	5/2/2012 0:00
Start Time	5/1/2012 0:00

Boiler Data:		Boiler-1	Boiler-2	Boiler-3
Steam Flow		4260.31	4262.15	4288.59
Superheater Vent Flow		0.00	0.00	0.00
Feedwater Flow		4390.61	4437.19	4474.08
Burner Gas Flow		9.87	146.97	24.63
Fabric Filter Compartment Cleaned		62.00	104.00	39.00
Fabric Filter DP		6.21	6.48	6.20
SDA Outlet Temp		322.87	319.35	320.41
SDA Inlet Temp		532.31	515.43	528.52
ID Fan Speed		913.56	848.92	914.15
Furnace Draft		-0.09	-0.10	-0.10
Super Heater Exit Gas Temp A		1161.47	1163.50	1140.33
Super Heater Exit Gas Temp A		1121.80	1117.82	1098.72
Economizer Outlet Pressure		-3.41	-1.94	-2.66
Economizer Gas Inlet Temperature-A		702.00	696.89	697.93
Economizer Gas Inlet Temperature-B		715.31	700.37	694.77
Economizer Gas Outlet Temperature		532.31	515.43	528.52
Superheater Outlet Pressure		886.36	888.52	890.52
Superheater Outlet Temperature		827.86	829.23	823.53
Total Boiler Air Flow		90.65	86.91	86.80
O2		9.25	9.35	9.22
SNCR H2O Flow Total		3432.05	5064.43	5748.16
SNCR Chem Flow Total		117.67	162.66	177.98
Lime Slurry Usage		12822.95	7512.25	6353.71
Accumulative Burner Run Time		30.84	12.15	21.79
Boiler Common:				
Turbine Steam Flow		12924.23		
1st Extraction Steam Flow		1132.96		
2nd Extraction Steam Flow		889.54		
3rd Extraction Steam Flow		620.23		
Generator MegaWatts		1430.27		
Utility MegaWatts		1264.76		
Station Service Use		165.52		
T/G Vacuum		27.38		
Final Temperature		825.65		
T/G Inlet Steam Pressure		850.78		
T/G Conversion Ratio		9.04		
Magnet Belt Run Time		15.52		
Hours				
A-Slaker Run Time		10.69		
B-Slaker Run Time		0.00		
Specific Gravity Average		1.09		
Pellitizer Totalizer 24 hour		3052.53		
Pellitizer Water Flow Avg		127.13		
Tertiary Supply		1273.35		
Tertiary Return		171.80		
Totals				
Totals				14244.64
Totals				458.32
Totals				26688.90
Totals				64.78

