

Southside Virginia Training Center

Heating Plant Year Operations Report

12/31/2011
11:59 PM
Yearly Report

Description

	Plant	Units			
Heating Degree Days	4,026.56	hdd			
Total Plant Steam Flow	83,693.79	klbs			
Steam Flow Per Heating Degree Day	20.8	klbs/hdd			
Total Condensate Return Water Flow	2,092.3	klbs			
Total Plant Gas Flow	100,944.75	kscf			
Total Plant Gas Cost	\$696,722.32	\$			
Total Plant Oil Flow	0.4	gals			
Total Plant Oil Cost	\$1.48	\$			
Total Plant Fuel Cost	\$696,723.80	\$			
Fuel Cost Per Heating Degree Day	\$173.03	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.00	\$/klbs			
Total Plant Efficiency By I/O	81.2	%			
Condensate Transfer Pump #1 Run Time	2,729.6	hrs			
Condensate Transfer Pump #2 Run Time	3,057.5	hrs			
Condensate Transfer Pump #3 Run Time	2,993.8	hrs			
Boiler Feed Pump #1 Run Time	2,296.4	hrs			
Boiler Feed Pump #2 Run Time	1,896.1	hrs			
Boiler Feed Pump #3 Run Time	2,132.3	hrs			
Boiler Feed Pump #4 Run Time	2,431.0	hrs			
Fuel Oil Pump #1 Run Time	13.8	hrs			
Fuel Oil Pump #2 Run Time	0.5	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2306.9	1868.4	2416.1	2207.9	hrs
Steam Flow	22335.04	18827.45	21757.21	20774.09	klbs
Gas Flow	26392.68	22993.91	25959.36	25598.80	kscf
Natural Gas Cost	\$182,162.68	\$158,704.24	\$179,171.88	\$176,683.52	\$
Oil Flow	0.1	0.1	0.1	0.1	gals
Oil Cost	\$0.32	\$0.32	\$0.32	\$0.52	\$
Total Fuel Cost	\$182,163.00	\$158,704.56	\$179,172.20	\$176,684.04	\$
Average Steam Cost	\$8.16	\$8.43	\$8.24	\$8.51	\$/klbs
Efficiency By Losses	82.8	78.5	82.6	81.9	%
Efficiency By I/O	82.9	80.2	82.1	79.5	%