

# 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
	<b>Boiler 1</b>	<b>Boiler 2</b>	<b>Boiler 3</b>	<b>Boiler 4</b>	<b>Units</b>
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	%