Central State Hospital

Heating Plant Day Operations Report

9/1/2020
7:01 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	188.82	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	200.81	kscf
Total Plant Gas Cost	$1,233.14	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,233.14	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	92.1	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.9	0.4	hrs
Steam Flow	0.00	188.82	0.00	0.00	klbs
Gas Flow	0.00	200.81	0.00	0.00	kscf
Natural Gas Cost	$0.00	$1,233.14	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$0.00	$1,233.14	$0.00	$0.00	$
Average Steam Cost	---	$6.53	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		92.1			%

Central State Hospital

Heating Plant Day Operations Report

9/2/2020
8:02 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	4.11	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	4.35	kscf
Total Plant Gas Cost	$26.69	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$26.69	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	92.6	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.5	0.0	0.1	hrs
Steam Flow	0.00	4.11	0.00	0.00	klbs
Gas Flow	0.00	4.35	0.00	0.00	kscf
Natural Gas Cost	$0.00	$26.69	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$0.00	$26.69	$0.00	$0.00	$
Average Steam Cost	---	$6.50	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		92.6			%

Central State Hospital

Heating Plant Day Operations Report

9/21/2020
2:01 PM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	71.53	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	82.76	kscf
Total Plant Gas Cost	$508.23	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$508.23	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	84.6	%
Condensate Transfer Pump #1 Run Time	6.2	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	6.2	hrs
Boiler Feed Pump #1 Run Time	6.2	hrs
Boiler Feed Pump #2 Run Time	6.2	hrs
Boiler Feed Pump #3 Run Time	6.2	hrs
Boiler Feed Pump #4 Run Time	6.2	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.2	6.5	0.2	0.1	hrs
Steam Flow	0.00	71.53	0.00	0.00	klbs
Gas Flow	0.84	80.39	0.77	0.77	kscf
Natural Gas Cost	$5.15	$493.65	$4.71	$4.72	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$5.15	$493.65	$4.71	$4.72	$
Average Steam Cost	---	$6.90	---	---	$/klbs
Efficiency By Losses	77.0	79.9	73.3	77.2	%
Efficiency By I/O		87.1			%

Central State Hospital

Heating Plant Day Operations Report

9/22/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	32.40	hdd
Total Plant Steam Flow	217.96	klbs
Steam Flow Per Heating Degree Day	6.7	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	255.13	kscf
Total Plant Gas Cost	$1,566.69	$
Total Plant Oil Flow	0.3	gals
Total Plant Oil Cost	$1.35	$
Total Plant Fuel Cost	$1,568.04	$
Fuel Cost Per Heating Degree Day	$48.40	$/hdd
Plant Average Steam Cost Per Degree Day	$0.22	$/klbs
Total Plant Efficiency By I/O	83.6	%

Condensate Transfer Pump #1 Run Time	23.1	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.1	hrs
Boiler Feed Pump #1 Run Time	23.1	hrs
Boiler Feed Pump #2 Run Time	23.1	hrs
Boiler Feed Pump #3 Run Time	23.1	hrs
Boiler Feed Pump #4 Run Time	23.1	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.9	23.5	0.9	0.5	hrs
Steam Flow	0.00	217.96	0.00	0.00	klbs
Gas Flow	3.87	244.83	2.94	3.50	kscf
Natural Gas Cost	$23.77	$1,503.41	$18.02	$21.48	$
Oil Flow	0.0	0.3	0.0	0.0	gals
Oil Cost	$0.00	$1.35	$0.00	$0.00	$
Total Fuel Cost	$23.77	$1,504.76	$18.02	$21.48	$
Average Steam Cost	---	$6.90	---	---	$/klbs
Efficiency By Losses	77.4	79.9	73.0	80.1	%
Efficiency By I/O		87.2			%

Central State Hospital

Heating Plant Day Operations Report

9/23/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	9.22	hdd
Total Plant Steam Flow	213.35	klbs
Steam Flow Per Heating Degree Day	23.1	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	249.44	kscf
Total Plant Gas Cost	$1,531.73	$
Total Plant Oil Flow	0.3	gals
Total Plant Oil Cost	$1.19	$
Total Plant Fuel Cost	$1,532.92	$
Fuel Cost Per Heating Degree Day	$166.21	$/hdd
Plant Average Steam Cost Per Degree Day	$0.78	$/klbs
Total Plant Efficiency By I/O	83.7	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	23.5	0.8	0.4	hrs
Steam Flow	0.00	213.35	0.00	0.00	klbs
Gas Flow	3.50	240.58	2.59	2.76	kscf
Natural Gas Cost	$21.52	$1,477.36	$15.90	$16.95	$
Oil Flow	0.0	0.3	0.0	0.0	gals
Oil Cost	$0.00	$1.19	$0.00	$0.00	$
Total Fuel Cost	$21.52	$1,478.55	$15.90	$16.95	$
Average Steam Cost	---	$6.93	---	---	$/klbs
Efficiency By Losses	78.3	79.9	74.5	79.0	%
Efficiency By I/O		86.8			%

Central State Hospital

Heating Plant Day Operations Report

9/24/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	1.74	hdd
Total Plant Steam Flow	202.61	klbs
Steam Flow Per Heating Degree Day	116.7	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	236.35	kscf
Total Plant Gas Cost	$1,451.35	$
Total Plant Oil Flow	0.5	gals
Total Plant Oil Cost	$1.84	$
Total Plant Fuel Cost	$1,453.19	$
Fuel Cost Per Heating Degree Day	$836.96	$/hdd
Plant Average Steam Cost Per Degree Day	$4.13	$/klbs
Total Plant Efficiency By I/O	83.9	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.9	23.5	0.8	0.4	hrs
Steam Flow	0.00	202.61	0.00	0.00	klbs
Gas Flow	3.56	227.41	2.54	2.84	kscf
Natural Gas Cost	$21.88	$1,396.44	$15.61	$17.42	$
Oil Flow	0.0	0.5	0.0	0.0	gals
Oil Cost	$0.00	$1.84	$0.00	$0.00	$
Total Fuel Cost	$21.88	$1,398.28	$15.61	$17.42	$
Average Steam Cost	---	$6.90	---	---	$/klbs
Efficiency By Losses	78.0	79.9	71.2	78.6	%
Efficiency By I/O		87.2			%

Central State Hospital

Heating Plant Day Operations Report

9/25/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	2.10	hdd
Total Plant Steam Flow	197.64	klbs
Steam Flow Per Heating Degree Day	94.2	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	230.97	kscf
Total Plant Gas Cost	$1,418.34	$
Total Plant Oil Flow	0.2	gals
Total Plant Oil Cost	$0.60	$
Total Plant Fuel Cost	$1,418.94	$
Fuel Cost Per Heating Degree Day	$676.56	$/hdd
Plant Average Steam Cost Per Degree Day	$3.42	$/klbs
Total Plant Efficiency By I/O	83.8	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	23.5	0.7	0.4	hrs
Steam Flow	0.00	197.64	0.00	0.00	klbs
Gas Flow	3.31	222.56	2.26	2.84	kscf
Natural Gas Cost	$20.32	$1,366.66	$13.90	$17.47	$
Oil Flow	0.0	0.2	0.0	0.0	gals
Oil Cost	$0.00	$0.60	$0.00	$0.00	$
Total Fuel Cost	$20.32	$1,367.26	$13.90	$17.47	$
Average Steam Cost	---	$6.92	---	---	$/klbs
Efficiency By Losses	76.0	79.9	72.9	80.8	%
Efficiency By I/O		87.0			%

Central State Hospital

Heating Plant Day Operations Report

9/26/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	2.48	hdd
Total Plant Steam Flow	200.88	klbs
Steam Flow Per Heating Degree Day	81.1	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	235.32	kscf
Total Plant Gas Cost	$1,445.07	$
Total Plant Oil Flow	0.1	gals
Total Plant Oil Cost	$0.58	$
Total Plant Fuel Cost	$1,445.64	$
Fuel Cost Per Heating Degree Day	$583.55	$/hdd
Plant Average Steam Cost Per Degree Day	$2.91	$/klbs
Total Plant Efficiency By I/O	83.6	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.9	23.5	0.8	0.4	hrs
Steam Flow	0.00	200.88	0.00	0.00	klbs
Gas Flow	3.60	226.42	2.57	2.74	kscf
Natural Gas Cost	$22.08	$1,390.40	$15.76	$16.82	$
Oil Flow	0.0	0.1	0.0	0.0	gals
Oil Cost	$0.00	$0.58	$0.00	$0.00	$
Total Fuel Cost	$22.08	$1,390.97	$15.76	$16.82	$
Average Steam Cost	---	$6.92	---	---	$/klbs
Efficiency By Losses	80.9	79.9	72.9	78.6	%
Efficiency By I/O		86.9			%

Central State Hospital

Heating Plant Day Operations Report

9/27/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.13	hdd
Total Plant Steam Flow	191.01	klbs
Steam Flow Per Heating Degree Day	1,461.7	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	221.91	kscf
Total Plant Gas Cost	$1,362.72	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.14	$
Total Plant Fuel Cost	$1,362.86	$
Fuel Cost Per Heating Degree Day	$10,429.30	$/hdd
Plant Average Steam Cost Per Degree Day	$54.60	$/klbs
Total Plant Efficiency By I/O	84.3	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	23.5	0.8	0.4	hrs
Steam Flow	0.00	191.01	0.00	0.00	klbs
Gas Flow	3.41	213.26	2.46	2.78	kscf
Natural Gas Cost	$20.92	$1,309.59	$15.13	$17.09	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.14	$0.00	$0.00	$
Total Fuel Cost	$20.92	$1,309.72	$15.13	$17.09	$
Average Steam Cost	---	$6.86	---	---	$/klbs
Efficiency By Losses	76.1	80.0	73.5	76.3	%
Efficiency By I/O		87.7			%

Central State Hospital

Heating Plant Day Operations Report

9/28/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	187.96	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	216.63	kscf
Total Plant Gas Cost	$1,330.25	$
Total Plant Oil Flow	0.3	gals
Total Plant Oil Cost	$1.26	$
Total Plant Fuel Cost	$1,331.51	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	85.0	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	23.5	0.7	0.5	hrs
Steam Flow	0.00	187.96	0.00	0.00	klbs
Gas Flow	3.41	208.07	2.17	2.98	kscf
Natural Gas Cost	$20.94	$1,277.68	$13.32	$18.31	$
Oil Flow	0.0	0.3	0.0	0.0	gals
Oil Cost	$0.00	$1.26	$0.00	$0.00	$
Total Fuel Cost	$20.94	$1,278.94	$13.32	$18.31	$
Average Steam Cost	---	$6.80	---	---	$/klbs
Efficiency By Losses	76.6	80.0	71.0	79.7	%
Efficiency By I/O		88.4			%

Central State Hospital

Heating Plant Day Operations Report

9/29/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	193.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	223.31	kscf
Total Plant Gas Cost	$1,371.28	$
Total Plant Oil Flow	0.5	gals
Total Plant Oil Cost	$1.97	$
Total Plant Fuel Cost	$1,373.25	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	84.9	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	23.5	0.7	0.3	hrs
Steam Flow	0.00	193.75	0.00	0.00	klbs
Gas Flow	3.42	215.90	2.18	1.81	kscf
Natural Gas Cost	$21.00	$1,325.77	$13.39	$11.12	$
Oil Flow	0.0	0.5	0.0	0.0	gals
Oil Cost	$0.00	$1.97	$0.00	$0.00	$
Total Fuel Cost	$21.00	$1,327.74	$13.39	$11.12	$
Average Steam Cost	---	$6.85	---	---	$/klbs
Efficiency By Losses	76.5	80.0	71.5	78.8	%
Efficiency By I/O		87.9			%

Central State Hospital

Heating Plant Day Operations Report

9/30/2020
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	193.06	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	223.74	kscf
Total Plant Gas Cost	$1,373.93	$
Total Plant Oil Flow	0.4	gals
Total Plant Oil Cost	$1.65	$
Total Plant Fuel Cost	$1,375.57	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	84.5	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	23.5	0.7	0.5	hrs
Steam Flow	0.00	193.06	0.00	0.00	klbs
Gas Flow	3.54	214.39	2.21	3.60	kscf
Natural Gas Cost	$21.71	$1,316.54	$13.57	$22.12	$
Oil Flow	0.0	0.4	0.0	0.0	gals
Oil Cost	$0.00	$1.65	$0.00	$0.00	$
Total Fuel Cost	$21.71	$1,318.19	$13.57	$22.12	$
Average Steam Cost	---	$6.83	---	---	$/klbs
Efficiency By Losses	80.9	80.1	69.6	79.4	%
Efficiency By I/O		88.2			%