

Attachment 3

Closed-Loop Station Performance

Section 1: PEPSE Models for SONGS Units 2 and 3

Section 2: Annual Closed-Loop Operational Power Losses by Month

Section 3: Monthly Closed-Loop Operational Power Losses by Time of Day

Section 4: Worst 24-hr Closed-Loop Operational Power Losses

Section 5: Annual Closed-Loop Low Pressure Alarm Occurrence



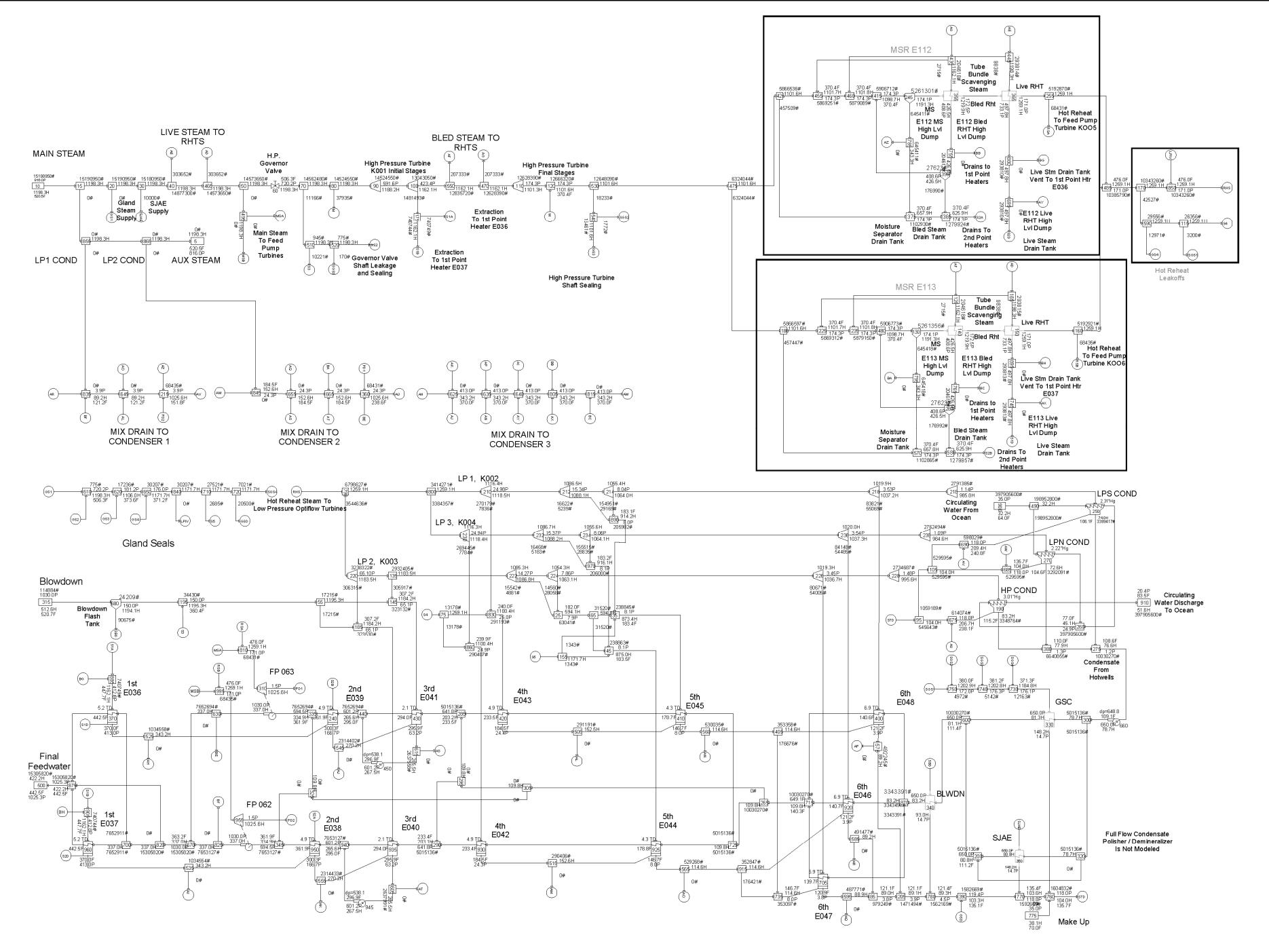


Figure 3-1 SONGS Unit 2 PEPSE Model



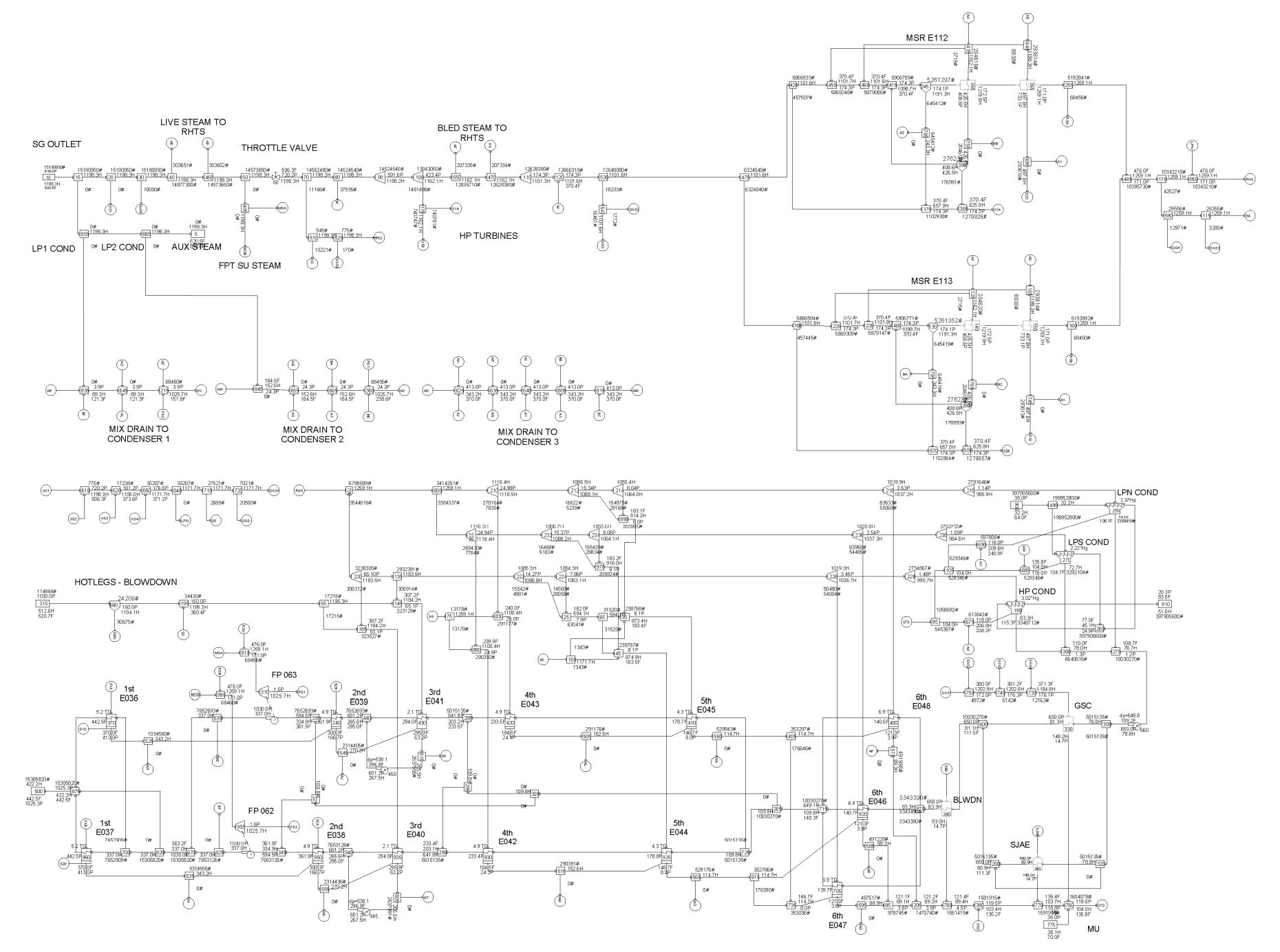
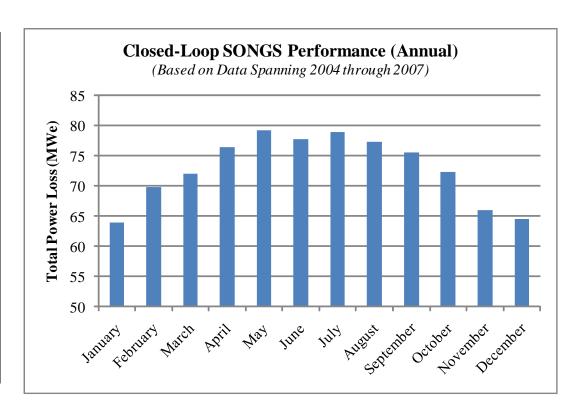


Figure 3-2 SONGS Unit 3 PEPSE Model

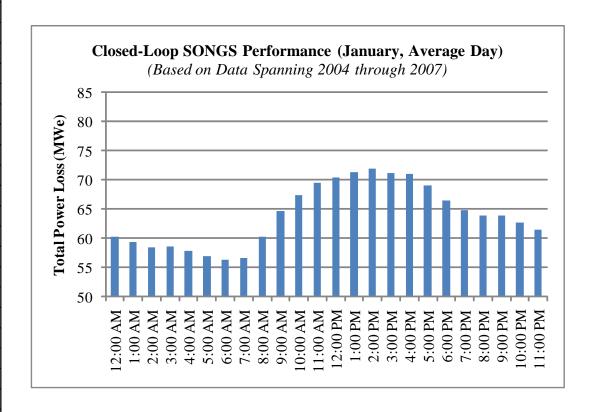


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
January	31.9	32.0	64.0
February	34.9	35.0	69.8
March	35.9	36.1	72.0
April	38.1	38.2	76.4
May	39.5	39.6	79.1
June	38.8	38.9	77.8
July	39.4	39.5	79.0
August	38.6	38.7	77.2
September	37.7	37.8	75.6
October	36.1	36.2	72.3
November	33.0	33.1	66.0
December	32.2	32.3	64.4
Annual	36.7	36.8	73.4



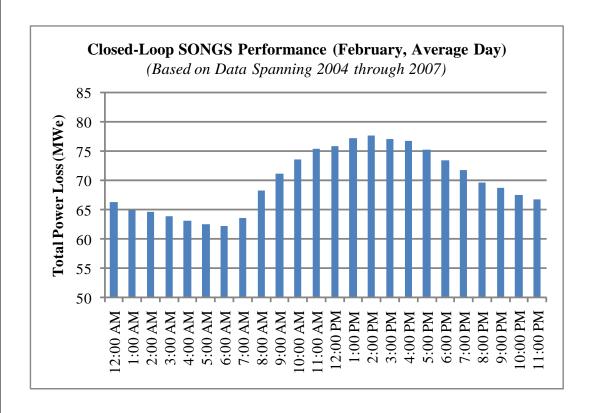


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	30.1	30.1	60.2
1:00 AM	29.6	29.7	59.3
2:00 AM	29.2	29.2	58.4
3:00 AM	29.3	29.4	58.6
4:00 AM	28.9	29.0	57.9
5:00 AM	28.4	28.5	57.0
6:00 AM	28.1	28.2	56.4
7:00 AM	28.3	28.4	56.6
8:00 AM	30.1	30.2	60.3
9:00 AM	32.3	32.4	64.7
10:00 AM	33.6	33.7	67.3
11:00 AM	34.7	34.8	69.5
12:00 PM	35.1	35.2	70.4
1:00 PM	35.6	35.7	71.2
2:00 PM	35.9	36.0	71.8
3:00 PM	35.5	35.6	71.2
4:00 PM	35.4	35.5	70.9
5:00 PM	34.5	34.6	69.1
6:00 PM	33.2	33.3	66.5
7:00 PM	32.4	32.5	64.8
8:00 PM	31.9	32.0	63.9
9:00 PM	31.9	32.0	63.8
10:00 PM	31.3	31.3	62.6
11:00 PM	30.7	30.8	61.5
Average	31.9	32.0	64.0



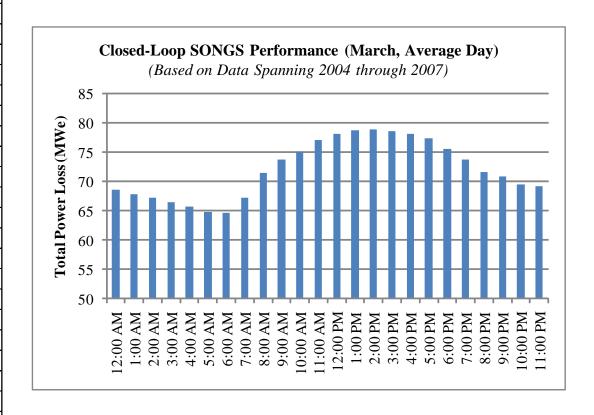


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	33.1	33.2	66.2
1:00 AM	32.4	32.5	64.9
2:00 AM	32.3	32.4	64.7
3:00 AM	31.9	32.0	63.9
4:00 AM	31.5	31.6	63.1
5:00 AM	31.2	31.3	62.5
6:00 AM	31.0	31.1	62.2
7:00 AM	31.8	31.9	63.7
8:00 AM	34.1	34.2	68.3
9:00 AM	35.5	35.7	71.2
10:00 AM	36.7	36.8	73.6
11:00 AM	37.6	37.8	75.4
12:00 PM	37.9	38.0	75.8
1:00 PM	38.6	38.7	77.3
2:00 PM	38.7	38.9	77.6
3:00 PM	38.5	38.6	77.1
4:00 PM	38.3	38.4	76.7
5:00 PM	37.5	37.6	75.2
6:00 PM	36.7	36.8	73.5
7:00 PM	35.8	35.9	71.7
8:00 PM	34.7	34.9	69.6
9:00 PM	34.3	34.4	68.8
10:00 PM	33.7	33.8	67.5
11:00 PM	33.3	33.4	66.7
Average	34.9	35.0	69.8



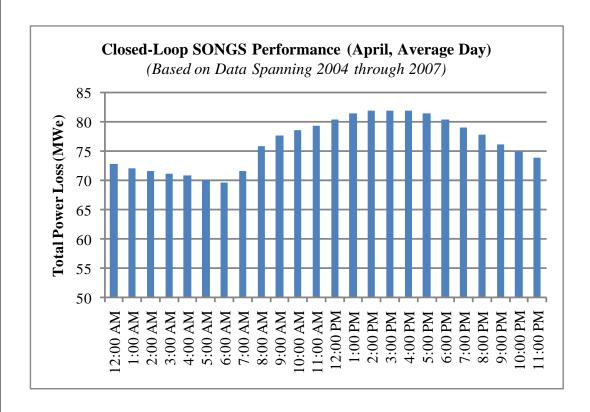


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	34.3	34.4	68.6
1:00 AM	33.9	34.0	67.8
2:00 AM	33.6	33.7	67.3
3:00 AM	33.2	33.3	66.5
4:00 AM	32.8	32.9	65.7
5:00 AM	32.4	32.5	64.8
6:00 AM	32.3	32.4	64.7
7:00 AM	33.5	33.6	67.2
8:00 AM	35.7	35.8	71.4
9:00 AM	36.8	37.0	73.8
10:00 AM	37.5	37.6	75.1
11:00 AM	38.5	38.6	77.1
12:00 PM	39.0	39.1	78.1
1:00 PM	39.3	39.5	78.8
2:00 PM	39.4	39.5	78.8
3:00 PM	39.2	39.3	78.6
4:00 PM	39.0	39.1	78.1
5:00 PM	38.6	38.8	77.4
6:00 PM	37.7	37.8	75.6
7:00 PM	36.8	36.9	73.7
8:00 PM	35.8	35.9	71.6
9:00 PM	35.3	35.4	70.8
10:00 PM	34.7	34.8	69.5
11:00 PM	34.5	34.7	69.2
Average	35.9	36.1	72.0



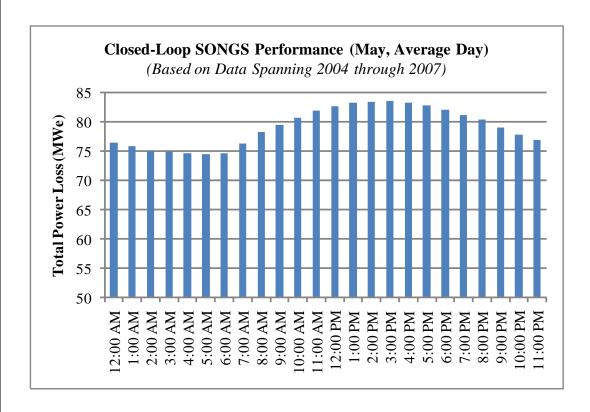


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	36.3	36.5	72.8
1:00 AM	36.0	36.1	72.0
2:00 AM	35.8	35.9	71.6
3:00 AM	35.5	35.6	71.2
4:00 AM	35.4	35.5	70.9
5:00 AM	35.0	35.1	70.0
6:00 AM	34.7	34.8	69.6
7:00 AM	35.8	35.9	71.6
8:00 AM	37.9	38.0	75.9
9:00 AM	38.8	38.9	77.7
10:00 AM	39.2	39.4	78.6
11:00 AM	39.6	39.8	79.4
12:00 PM	40.1	40.2	80.4
1:00 PM	40.7	40.8	81.5
2:00 PM	40.9	41.0	81.9
3:00 PM	40.9	41.0	81.9
4:00 PM	40.9	41.0	81.8
5:00 PM	40.7	40.8	81.5
6:00 PM	40.1	40.3	80.4
7:00 PM	39.4	39.5	79.0
8:00 PM	38.9	39.0	77.8
9:00 PM	38.0	38.1	76.1
10:00 PM	37.4	37.5	75.0
11:00 PM	36.9	37.0	73.8
Average	38.1	38.2	76.4



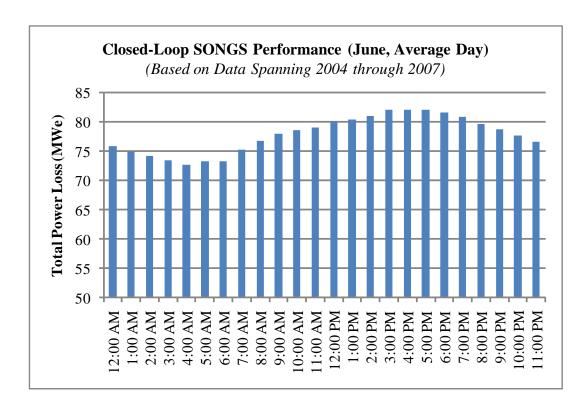


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	38.2	38.3	76.4
1:00 AM	37.9	38.0	75.8
2:00 AM	37.5	37.6	75.1
3:00 AM	37.4	37.5	74.9
4:00 AM	37.3	37.4	74.6
5:00 AM	37.2	37.3	74.5
6:00 AM	37.3	37.4	74.6
7:00 AM	38.1	38.2	76.3
8:00 AM	39.1	39.2	78.3
9:00 AM	39.7	39.8	79.5
10:00 AM	40.3	40.4	80.7
11:00 AM	40.9	41.0	82.0
12:00 PM	41.3	41.4	82.6
1:00 PM	41.6	41.7	83.3
2:00 PM	41.6	41.7	83.4
3:00 PM	41.8	41.9	83.6
4:00 PM	41.6	41.7	83.3
5:00 PM	41.3	41.4	82.7
6:00 PM	41.0	41.1	82.0
7:00 PM	40.5	40.6	81.1
8:00 PM	40.1	40.2	80.3
9:00 PM	39.5	39.6	79.0
10:00 PM	38.9	39.0	77.9
11:00 PM	38.4	38.5	77.0
Average	39.5	39.6	79.1



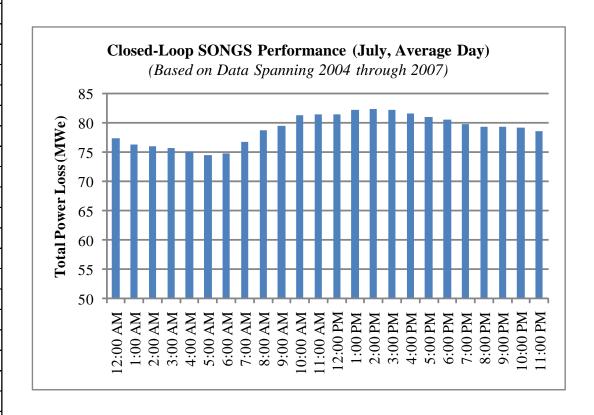


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	37.9	38.0	75.8
1:00 AM	37.4	37.5	75.0
2:00 AM	37.0	37.1	74.1
3:00 AM	36.7	36.8	73.5
4:00 AM	36.3	36.4	72.7
5:00 AM	36.6	36.7	73.2
6:00 AM	36.6	36.7	73.3
7:00 AM	37.6	37.7	75.2
8:00 AM	38.3	38.4	76.8
9:00 AM	38.9	39.0	77.9
10:00 AM	39.2	39.3	78.5
11:00 AM	39.5	39.6	79.0
12:00 PM	40.0	40.1	80.1
1:00 PM	40.1	40.2	80.3
2:00 PM	40.4	40.6	81.0
3:00 PM	41.0	41.1	82.1
4:00 PM	41.0	41.1	82.1
5:00 PM	40.9	41.0	82.0
6:00 PM	40.7	40.8	81.6
7:00 PM	40.4	40.5	80.8
8:00 PM	39.8	39.9	79.7
9:00 PM	39.3	39.4	78.7
10:00 PM	38.8	38.9	77.7
11:00 PM	38.2	38.3	76.6
Average	38.8	38.9	77.8



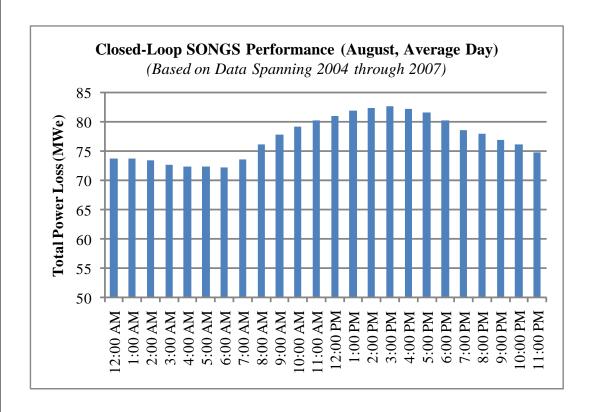


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	38.6	38.7	77.3
1:00 AM	38.1	38.2	76.3
2:00 AM	38.0	38.1	76.0
3:00 AM	37.8	37.9	75.8
4:00 AM	37.5	37.6	75.1
5:00 AM	37.2	37.3	74.5
6:00 AM	37.4	37.5	74.8
7:00 AM	38.3	38.4	76.7
8:00 AM	39.3	39.4	78.7
9:00 AM	39.7	39.8	79.5
10:00 AM	40.6	40.7	81.3
11:00 AM	40.6	40.7	81.4
12:00 PM	40.6	40.7	81.4
1:00 PM	41.1	41.2	82.2
2:00 PM	41.1	41.2	82.3
3:00 PM	41.1	41.2	82.2
4:00 PM	40.8	40.9	81.6
5:00 PM	40.5	40.6	81.1
6:00 PM	40.2	40.3	80.6
7:00 PM	39.8	39.9	79.8
8:00 PM	39.6	39.7	79.3
9:00 PM	39.6	39.7	79.3
10:00 PM	39.5	39.6	79.1
11:00 PM	39.3	39.4	78.6
Average	39.4	39.5	79.0



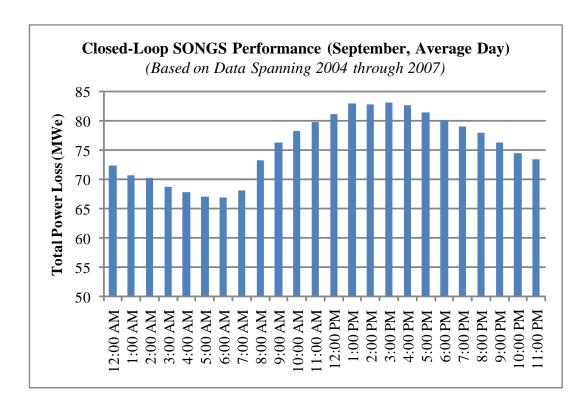


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	36.8	36.9	73.8
1:00 AM	36.8	36.9	73.7
2:00 AM	36.6	36.7	73.4
3:00 AM	36.3	36.4	72.7
4:00 AM	36.1	36.2	72.3
5:00 AM	36.2	36.3	72.4
6:00 AM	36.1	36.2	72.3
7:00 AM	36.8	36.9	73.6
8:00 AM	38.0	38.1	76.1
9:00 AM	38.9	39.0	77.9
10:00 AM	39.5	39.6	79.2
11:00 AM	40.1	40.2	80.2
12:00 PM	40.4	40.5	80.9
1:00 PM	40.9	41.0	81.8
2:00 PM	41.2	41.3	82.4
3:00 PM	41.3	41.4	82.6
4:00 PM	41.0	41.1	82.1
5:00 PM	40.7	40.8	81.5
6:00 PM	40.1	40.2	80.2
7:00 PM	39.2	39.3	78.5
8:00 PM	38.9	39.0	77.9
9:00 PM	38.4	38.5	76.9
10:00 PM	38.1	38.2	76.2
11:00 PM	37.3	37.4	74.7
Average	38.6	38.7	77.2



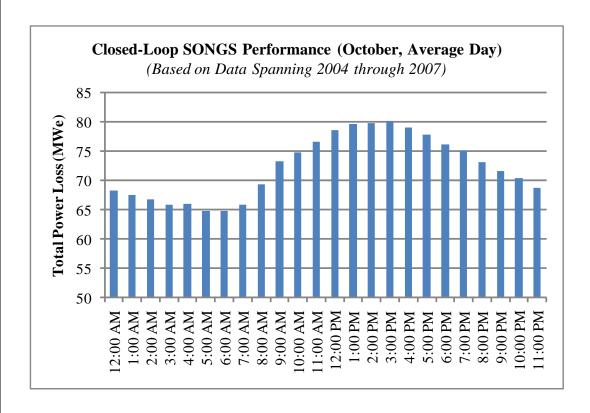


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	36.2	36.3	72.4
1:00 AM	35.3	35.4	70.6
2:00 AM	35.1	35.2	70.2
3:00 AM	34.3	34.4	68.7
4:00 AM	33.9	34.0	67.9
5:00 AM	33.5	33.6	67.0
6:00 AM	33.4	33.5	66.9
7:00 AM	34.0	34.1	68.1
8:00 AM	36.6	36.7	73.3
9:00 AM	38.1	38.2	76.2
10:00 AM	39.1	39.2	78.3
11:00 AM	39.8	39.9	79.8
12:00 PM	40.5	40.6	81.1
1:00 PM	41.4	41.5	82.9
2:00 PM	41.3	41.4	82.8
3:00 PM	41.5	41.6	83.1
4:00 PM	41.3	41.4	82.6
5:00 PM	40.7	40.8	81.4
6:00 PM	40.0	40.1	80.0
7:00 PM	39.5	39.5	79.0
8:00 PM	39.0	39.1	78.0
9:00 PM	38.1	38.2	76.3
10:00 PM	37.2	37.3	74.5
11:00 PM	36.7	36.8	73.5
Average	37.7	37.8	75.6



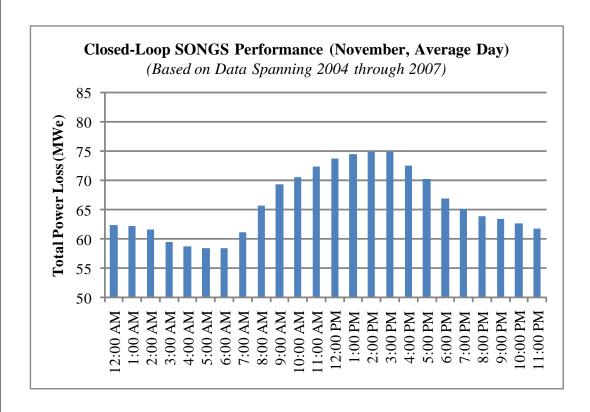


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	34.1	34.2	68.3
1:00 AM	33.7	33.8	67.5
2:00 AM	33.3	33.4	66.8
3:00 AM	32.9	33.0	65.9
4:00 AM	32.9	33.0	65.9
5:00 AM	32.3	32.4	64.7
6:00 AM	32.4	32.5	64.8
7:00 AM	32.9	33.0	65.9
8:00 AM	34.7	34.7	69.4
9:00 AM	36.6	36.7	73.3
10:00 AM	37.4	37.5	74.9
11:00 AM	38.2	38.3	76.6
12:00 PM	39.2	39.3	78.6
1:00 PM	39.8	39.9	79.6
2:00 PM	39.8	39.9	79.7
3:00 PM	40.0	40.1	80.1
4:00 PM	39.5	39.6	79.1
5:00 PM	38.9	38.9	77.8
6:00 PM	38.0	38.1	76.2
7:00 PM	37.5	37.6	75.0
8:00 PM	36.5	36.6	73.1
9:00 PM	35.8	35.9	71.7
10:00 PM	35.1	35.2	70.4
11:00 PM	34.3	34.4	68.8
Average	36.1	36.2	72.3



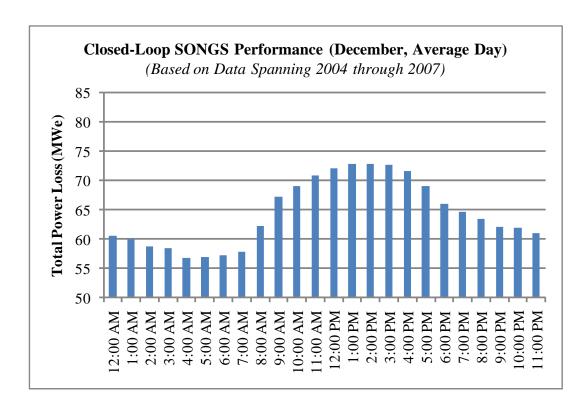


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	31.1	31.2	62.4
1:00 AM	31.0	31.1	62.2
2:00 AM	30.8	30.9	61.7
3:00 AM	29.7	29.8	59.5
4:00 AM	29.3	29.4	58.7
5:00 AM	29.1	29.2	58.4
6:00 AM	29.2	29.3	58.4
7:00 AM	30.5	30.6	61.1
8:00 AM	32.8	32.9	65.7
9:00 AM	34.6	34.7	69.3
10:00 AM	35.3	35.4	70.6
11:00 AM	36.1	36.2	72.4
12:00 PM	36.8	36.9	73.8
1:00 PM	37.2	37.3	74.6
2:00 PM	37.4	37.5	75.0
3:00 PM	37.4	37.5	74.9
4:00 PM	36.2	36.3	72.6
5:00 PM	35.0	35.1	70.2
6:00 PM	33.4	33.5	66.9
7:00 PM	32.5	32.6	65.1
8:00 PM	31.9	32.0	63.9
9:00 PM	31.6	31.7	63.4
10:00 PM	31.3	31.3	62.6
11:00 PM	30.8	30.9	61.7
Average	33.0	33.1	66.0



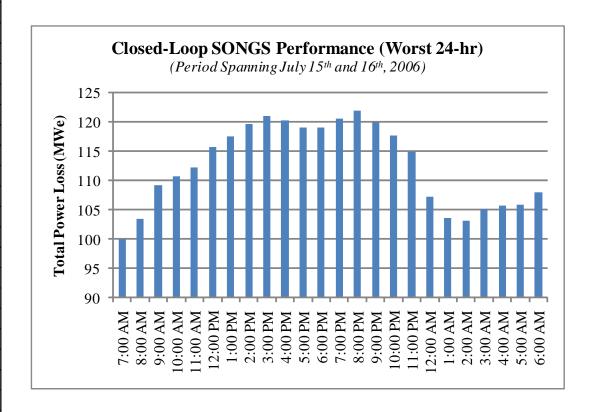


	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
12:00 AM	30.3	30.3	60.6
1:00 AM	29.9	30.0	60.0
2:00 AM	29.3	29.4	58.7
3:00 AM	29.2	29.2	58.4
4:00 AM	28.4	28.5	56.8
5:00 AM	28.4	28.5	57.0
6:00 AM	28.5	28.6	57.2
7:00 AM	28.9	29.0	57.9
8:00 AM	31.0	31.1	62.2
9:00 AM	33.5	33.6	67.2
10:00 AM	34.5	34.6	69.1
11:00 AM	35.4	35.5	70.9
12:00 PM	36.0	36.1	72.1
1:00 PM	36.4	36.5	72.9
2:00 PM	36.3	36.4	72.8
3:00 PM	36.3	36.4	72.7
4:00 PM	35.7	35.8	71.5
5:00 PM	34.5	34.6	69.1
6:00 PM	33.0	33.1	66.1
7:00 PM	32.3	32.3	64.6
8:00 PM	31.7	31.8	63.4
9:00 PM	31.0	31.1	62.1
10:00 PM	30.9	31.0	61.9
11:00 PM	30.4	30.5	61.0
Average	32.2	32.3	64.4





	Unit 2	Unit 3	Total
	Power Loss	Power Loss	Power Loss
Time	(MWe)	(MWe)	(MWe)
7:00 AM	49.9	50.1	100.0
8:00 AM	51.6	51.7	103.4
9:00 AM	54.5	54.6	109.2
10:00 AM	55.2	55.4	110.6
11:00 AM	56.0	56.2	112.2
12:00 PM	57.8	57.9	115.7
1:00 PM	58.7	58.8	117.4
2:00 PM	59.7	59.9	119.6
3:00 PM	60.4	60.6	121.0
4:00 PM	60.1	60.2	120.3
5:00 PM	59.4	59.5	119.0
6:00 PM	59.4	59.6	119.0
7:00 PM	60.2	60.3	120.5
8:00 PM	60.9	61.0	121.9
9:00 PM	59.9	60.1	120.0
10:00 PM	58.8	58.9	117.7
11:00 PM	57.4	57.5	114.9
12:00 AM	53.5	53.7	107.2
1:00 AM	51.7	51.9	103.6
2:00 AM	51.5	51.6	103.1
3:00 AM	52.5	52.6	105.0
4:00 AM	52.8	52.9	105.7
5:00 AM	52.9	53.0	105.8
6:00 AM	53.9	54.0	107.9
Average	56.2	56.3	112.5





	Unit 2 Low	Unit 3 Low	
	Vacuum Alarm	Vacuum Alarm	
Time	(Average hours)	(Average hours)	
January	10	13	
February	3	5	
March	2	2	
April	14	18	
May	220	244	
June	481	495	
July	590	592	
August	639	644	
September	592	594	
October	365	378	
November	127	139	
December	7	9	
Annual	3411	3491	

