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APPENDIX A: Hourly Energy Data 2009 September

Date & Time	Plant Generated Cooling Energy (kWh)	Total AHU Consumed Cooling Energy (kWh)
01/08/2009 15:00	3,628.27	1,560.32
01/08/2009 16:00	4,437.49	3,920.54
01/08/2009 17:00	2,152.62	1,132.46
01/08/2009 18:00	577.63	239.12
01/08/2009 19:00	524.07	327.45
01/08/2009 20:00	507.79	268.27
01/08/2009 21:00	594.69	289.95
01/08/2009 22:00	7,031.44	4,307.64
01/08/2009 23:00	2,498.19	1,405.35
02/08/2009 01:00	522.43	295.16
02/08/2009 02:00	502.56	313.39
02/08/2009 03:00	473.95	258.12
02/08/2009 04:00	886.96	226.37
02/08/2009 05:00	5,094.90	2,096.37
02/08/2009 06:00	981.78	252.65
02/08/2009 07:00	25.35	84.01
02/08/2009 08:00	2,864.43	2,130.92
02/08/2009 09:00	5,499.15	2,947.67
02/08/2009 10:00	1,454.86	1,015.59
02/08/2009 11:00	686.51	199.66
02/08/2009 12:00	555.58	272.54
02/08/2009 13:00	509.49	215.32
02/08/2009 14:00	472.57	138.28
02/08/2009 15:00	559.76	53.95
02/08/2009 16:00	4,585.41	2,008.25
02/08/2009 17:00	1,341.11	582.13
02/08/2009 18:00	902.40	253.09
02/08/2009 19:00	542.00	176.07
02/08/2009 20:00	4,228.56	2,119.24
02/08/2009 21:00	1,861.76	1,223.98
02/08/2009 22:00	614.12	200.34
02/08/2009 23:00	1,943.59	648.67
03/08/2009 01:00	564.80	236.14
03/08/2009 02:00	528.80	364.74

03/08/2009 03:00	508.29	313.77
03/08/2009 04:00	493.06	253.65
03/08/2009 05:00	7,232.69	4,517.08
03/08/2009 06:00	11,214.98	7,422.45
03/08/2009 07:00	19,283.07	16,277.14
03/08/2009 08:00	19,841.67	17,004.22
03/08/2009 09:00	18,960.34	16,524.92
03/08/2009 10:00	19,863.78	19,461.69
03/08/2009 11:00	21,921.80	24,797.66
03/08/2009 12:00	21,516.40	23,888.64
03/08/2009 13:00	20,853.36	21,834.62
03/08/2009 14:00	19,803.50	24,419.64
03/08/2009 15:00	19,773.80	24,589.59
03/08/2009 16:00	18,723.20	21,756.85
03/08/2009 17:00	15,420.92	18,336.74
03/08/2009 18:00	8,005.49	10,911.54
03/08/2009 19:00	7,010.43	11,150.54
03/08/2009 20:00	6,215.31	8,629.22
03/08/2009 21:00	6,124.97	11,277.78
03/08/2009 22:00	1,121.65	1,615.61
03/08/2009 23:00	620.51	190.83
04/08/2009 01:00	518.25	286.15
04/08/2009 02:00	494.66	258.98
04/08/2009 03:00	2,336.44	767.44
04/08/2009 04:00	3,852.04	2,256.46
04/08/2009 05:00	588.62	299.52
04/08/2009 06:00	9,115.16	5,176.78
04/08/2009 07:00	15,924.06	14,132.26
04/08/2009 08:00	16,660.16	15,068.67
04/08/2009 09:00	17,346.57	14,945.97
04/08/2009 10:00	17,523.46	18,143.14
04/08/2009 11:00	19,191.94	24,960.41
04/08/2009 12:00	18,484.67	19,031.83
04/08/2009 13:00	18,588.10	21,190.65
04/08/2009 14:00	18,209.86	20,759.98
04/08/2009 15:00	18,000.64	20,820.64
04/08/2009 16:00	17,677.66	21,900.02
04/08/2009 17:00	16,142.22	19,330.04
04/08/2009 18:00	7,792.19	9,493.72

04/08/2009 19:00	7,355.78	9,764.02
04/08/2009 20:00	6,958.63	9,759.60
04/08/2009 21:00	5,373.55	8,661.98
04/08/2009 22:00	1,987.08	1,998.66
04/08/2009 23:00	565.98	228.85
05/08/2009 01:00	519.99	305.76
05/08/2009 02:00	499.23	280.63
05/08/2009 03:00	473.52	249.40
05/08/2009 04:00	455.22	208.87
05/08/2009 05:00	3,411.82	1,234.43
05/08/2009 06:00	3,196.53	2,493.58
05/08/2009 07:00	1,036.53	990.69
05/08/2009 08:00	5,693.00	2,742.23
05/08/2009 09:00	6,737.39	4,390.62
05/08/2009 10:00	6,386.11	4,226.96
05/08/2009 11:00	6,685.27	4,759.51
05/08/2009 12:00	7,234.81	6,921.00
05/08/2009 13:00	7,607.10	11,016.91
05/08/2009 14:00	5,688.28	8,679.69
05/08/2009 15:00	5,728.93	9,525.30
05/08/2009 16:00	5,467.85	9,306.28
05/08/2009 17:00	5,379.90	7,718.54
05/08/2009 18:00	5,221.99	6,975.20
05/08/2009 19:00	4,922.28	6,569.60
05/08/2009 20:00	4,653.78	6,442.27
05/08/2009 21:00	5,496.98	7,267.55
05/08/2009 22:00	4,350.63	4,185.79
05/08/2009 23:00	1,243.16	1,036.48
06/08/2009 01:00	549.74	329.99
06/08/2009 02:00	517.62	310.44
06/08/2009 03:00	1,317.24	683.83
06/08/2009 04:00	2,951.53	1,506.87
06/08/2009 05:00	636.59	334.62
06/08/2009 06:00	3,666.79	2,637.51
06/08/2009 07:00	19,954.44	16,535.34
06/08/2009 08:00	17,952.03	16,394.47
06/08/2009 09:00	17,499.29	15,518.41
06/08/2009 10:00	18,207.05	18,535.07
06/08/2009 11:00	19,832.60	24,688.10

06/08/2009 12:00	18,950.56	20,379.13
06/08/2009 13:00	18,551.93	20,502.82
06/08/2009 14:00	19,164.48	21,540.76
06/08/2009 15:00	18,349.07	19,916.72
06/08/2009 16:00	17,852.77	18,602.79
06/08/2009 17:00	12,497.17	13,046.82
06/08/2009 18:00	8,434.33	10,384.25
06/08/2009 19:00	7,126.98	10,810.94
06/08/2009 20:00	6,507.60	9,546.57
06/08/2009 21:00	5,940.38	8,603.70
06/08/2009 22:00	1,379.79	1,961.83
06/08/2009 23:00	812.42	250.45
07/08/2009 01:00	538.62	333.33
07/08/2009 02:00	508.80	285.57
07/08/2009 03:00	3,404.53	789.62
07/08/2009 04:00	970.68	346.41
07/08/2009 05:00	521.72	387.87
07/08/2009 06:00	8,605.01	4,791.86
07/08/2009 07:00	17,169.19	15,513.08
07/08/2009 08:00	16,670.94	14,983.86
07/08/2009 09:00	16,812.90	15,337.93
07/08/2009 10:00	17,674.53	17,948.16
07/08/2009 11:00	19,079.19	23,598.86
07/08/2009 12:00	18,506.03	20,769.13
07/08/2009 13:00	18,204.37	20,090.64
07/08/2009 14:00	17,862.65	19,603.21
07/08/2009 15:00	16,353.58	18,597.02
07/08/2009 16:00	15,449.41	18,973.47
07/08/2009 17:00	13,978.65	17,700.51
07/08/2009 18:00	7,206.22	9,830.12
07/08/2009 19:00	6,128.09	8,122.65
07/08/2009 20:00	6,010.69	7,742.43
07/08/2009 21:00	4,768.61	7,655.90
07/08/2009 22:00	2,964.73	3,283.12
07/08/2009 23:00	720.73	225.14
08/08/2009 01:00	528.94	107.37
08/08/2009 02:00	502.95	73.82
08/08/2009 03:00	4,428.25	2,862.57
08/08/2009 04:00	1,696.50	1,194.05

08/08/2009 05:00	570.67	170.79
08/08/2009 06:00	519.21	132.85
08/08/2009 07:00	510.87	98.71
08/08/2009 08:00	4,071.11	1,639.37
08/08/2009 09:00	4,155.15	2,625.66
08/08/2009 10:00	5,171.27	3,426.05
08/08/2009 11:00	4,903.96	3,491.34
08/08/2009 12:00	4,704.94	3,282.02
08/08/2009 13:00	4,517.92	3,192.14
08/08/2009 14:00	4,523.72	3,174.09
08/08/2009 15:00	4,357.77	2,885.83
08/08/2009 16:00	1,657.30	773.93
08/08/2009 17:00	653.45	123.65
08/08/2009 18:00	562.50	82.35
08/08/2009 19:00	939.52	428.67
08/08/2009 20:00	6,117.41	4,413.51
08/08/2009 21:00	3,898.51	3,107.68
08/08/2009 22:00	1,453.84	884.00
08/08/2009 23:00	663.14	168.52
09/08/2009 01:00	515.62	97.01
09/08/2009 02:00	5,268.10	3,329.18
09/08/2009 03:00	2,878.43	2,111.15
09/08/2009 04:00	830.56	209.66
09/08/2009 05:00	534.84	171.55
09/08/2009 06:00	528.98	132.84
09/08/2009 07:00	509.70	110.66
09/08/2009 08:00	1,079.40	128.16
09/08/2009 09:00	6,740.79	3,384.18
09/08/2009 10:00	2,969.74	1,854.18
09/08/2009 11:00	943.09	252.96
09/08/2009 12:00	533.02	176.38
09/08/2009 13:00	529.92	121.92
09/08/2009 14:00	533.17	149.51
09/08/2009 15:00	5,346.49	1,690.59
09/08/2009 16:00	738.49	191.50
09/08/2009 17:00	630.29	196.79
09/08/2009 18:00	538.97	135.23
09/08/2009 19:00	517.97	92.55
09/08/2009 20:00	6,697.58	2,970.51

09/08/2009 21:00	2,825.50	1,394.53
09/08/2009 22:00	631.20	173.79
09/08/2009 23:00	575.37	130.55
10/08/2009 01:00	496.58	47.66
10/08/2009 02:00	461.35	39.47
10/08/2009 03:00	5,205.93	2,909.86
10/08/2009 04:00	2,589.31	1,767.27
10/08/2009 05:00	637.06	197.50
10/08/2009 06:00	7,338.29	3,656.21
10/08/2009 07:00	22,104.60	19,094.75
10/08/2009 08:00	20,984.86	19,040.61
10/08/2009 09:00	20,510.31	18,477.32
10/08/2009 10:00	20,990.53	21,077.16
10/08/2009 11:00	22,093.50	25,617.71
10/08/2009 12:00	21,277.28	23,438.25
10/08/2009 13:00	21,004.02	24,571.74
10/08/2009 14:00	20,995.03	23,466.26
10/08/2009 15:00	18,521.46	22,478.04
10/08/2009 16:00	20,754.24	24,343.07
10/08/2009 17:00	17,121.98	16,843.69
10/08/2009 18:00	7,640.78	4,312.62
10/08/2009 19:00	7,376.71	4,550.07
10/08/2009 20:00	6,812.60	3,707.90
10/08/2009 21:00	5,860.38	2,374.81
10/08/2009 22:00	1,594.90	524.92
10/08/2009 23:00	649.57	172.22
11/08/2009 01:00	2,819.75	893.59
11/08/2009 02:00	1,074.16	480.07
11/08/2009 03:00	897.70	201.69
11/08/2009 04:00	582.21	141.06
11/08/2009 05:00	4,501.28	2,053.96
11/08/2009 06:00	8,096.17	5,714.72
11/08/2009 07:00	18,254.63	16,521.29
11/08/2009 08:00	17,700.03	16,209.31
11/08/2009 09:00	17,811.47	16,478.67
11/08/2009 10:00	18,581.04	16,405.16
11/08/2009 11:00	20,389.92	17,765.78
11/08/2009 12:00	19,296.71	16,816.50
11/08/2009 13:00	19,305.34	17,277.42

11/08/2009 14:00	18,874.63	16,950.59
11/08/2009 15:00	18,311.98	16,205.92
11/08/2009 16:00	17,820.39	15,857.81
11/08/2009 17:00	15,311.73	12,895.97
11/08/2009 18:00	8,784.14	6,054.58
11/08/2009 19:00	7,709.71	5,194.21
11/08/2009 20:00	6,697.70	4,306.67
11/08/2009 21:00	5,449.00	2,631.33
11/08/2009 22:00	1,224.74	454.75
11/08/2009 23:00	612.30	160.21
12/08/2009 01:00	506.15	86.88
12/08/2009 02:00	486.74	52.83
12/08/2009 03:00	5,166.90	2,705.15
12/08/2009 04:00	896.27	182.10
12/08/2009 05:00	506.55	132.80
12/08/2009 06:00	8,969.49	5,456.33
12/08/2009 07:00	15,578.93	14,779.94
12/08/2009 08:00	15,142.00	14,715.31
12/08/2009 09:00	15,819.86	15,057.49
12/08/2009 10:00	16,890.44	15,650.60
12/08/2009 11:00	18,526.20	16,784.65
12/08/2009 12:00	18,202.47	16,373.41
12/08/2009 13:00	18,166.28	16,240.12
12/08/2009 14:00	17,801.37	15,687.96
12/08/2009 15:00	16,641.59	14,483.83
12/08/2009 16:00	17,117.21	14,677.41
12/08/2009 17:00	14,447.83	12,034.66
12/08/2009 18:00	7,374.15	4,850.49
12/08/2009 19:00	6,759.29	4,928.12
12/08/2009 20:00	6,334.09	4,503.46
12/08/2009 21:00	5,385.16	2,833.70
12/08/2009 22:00	1,347.64	516.62
12/08/2009 23:00	639.79	168.35
13/08/2009 01:00	515.77	83.95
13/08/2009 02:00	5,875.33	3,644.36
13/08/2009 03:00	1,698.62	896.31
13/08/2009 04:00	612.89	152.06
13/08/2009 05:00	536.41	113.26
13/08/2009 06:00	9,728.52	6,608.23

13/08/2009 07:00	14,287.80	13,444.19
13/08/2009 08:00	15,192.52	14,636.32
13/08/2009 09:00	16,216.42	15,337.75
13/08/2009 10:00	17,647.24	16,027.88
13/08/2009 11:00	17,976.33	16,543.12
13/08/2009 12:00	17,901.69	16,188.28
13/08/2009 13:00	17,551.21	15,553.80
13/08/2009 14:00	17,348.65	15,476.27
13/08/2009 15:00	17,430.16	15,283.54
13/08/2009 16:00	17,561.98	15,404.89
13/08/2009 17:00	14,996.52	12,926.34
13/08/2009 18:00	8,780.90	6,304.41
13/08/2009 19:00	7,242.51	5,178.40
13/08/2009 20:00	6,028.72	3,891.43
13/08/2009 21:00	4,868.78	2,604.09
13/08/2009 22:00	872.87	1,009.03
13/08/2009 23:00	596.28	176.90
14/08/2009 01:00	512.55	83.20
14/08/2009 02:00	488.33	54.19
14/08/2009 03:00	458.94	45.18
14/08/2009 04:00	443.56	47.29
14/08/2009 05:00	3,285.39	886.84
14/08/2009 06:00	9,544.94	6,222.09
14/08/2009 07:00	14,003.15	12,052.08
14/08/2009 08:00	14,410.92	13,007.33
14/08/2009 09:00	15,724.39	13,736.44
14/08/2009 10:00	16,432.34	14,354.98
14/08/2009 11:00	17,947.59	15,688.04
14/08/2009 12:00	18,026.92	15,608.99
14/08/2009 13:00	18,174.83	15,830.24
14/08/2009 14:00	18,738.37	16,085.94
14/08/2009 15:00	16,918.93	14,205.02
14/08/2009 16:00	16,536.78	13,783.41
14/08/2009 17:00	9,367.23	7,011.74
14/08/2009 18:00	6,026.72	3,850.00
14/08/2009 19:00	6,633.43	4,619.09
14/08/2009 20:00	6,203.56	4,136.92
14/08/2009 21:00	5,002.96	2,528.06
14/08/2009 22:00	3,591.11	1,668.09

14/08/2009 23:00	3,175.52	1,079.20
15/08/2009 01:00	1,149.50	347.47
15/08/2009 02:00	632.54	135.52
15/08/2009 03:00	541.77	108.47
15/08/2009 04:00	509.54	76.49
15/08/2009 05:00	490.30	54.68
15/08/2009 06:00	466.57	34.84
15/08/2009 07:00	449.76	37.32
15/08/2009 08:00	3,142.85	456.61
15/08/2009 09:00	5,390.97	3,115.11
15/08/2009 10:00	5,640.71	4,783.36
15/08/2009 11:00	6,640.59	6,244.42
15/08/2009 12:00	6,704.36	5,639.71
15/08/2009 13:00	6,315.24	5,537.96
15/08/2009 14:00	3,946.72	3,388.72
15/08/2009 15:00	6,607.53	5,113.72
15/08/2009 16:00	6,009.32	4,727.06
15/08/2009 17:00	5,047.71	2,802.08
15/08/2009 18:00	2,679.50	1,218.83
15/08/2009 19:00	414.28	165.53
15/08/2009 20:00	646.83	148.48
15/08/2009 21:00	566.52	97.18
15/08/2009 22:00	520.07	52.02
15/08/2009 23:00	502.39	38.16
16/08/2009 01:00	4,366.52	969.89
16/08/2009 02:00	1,015.26	199.92
16/08/2009 03:00	527.99	125.49
16/08/2009 04:00	516.89	79.34
16/08/2009 05:00	491.80	53.93
16/08/2009 06:00	5,640.24	2,261.74
16/08/2009 07:00	0.00	69.73
16/08/2009 08:00	1,012.13	191.60
16/08/2009 09:00	567.36	123.61
16/08/2009 10:00	4,163.29	1,949.90
16/08/2009 11:00	6,506.77	5,032.88
16/08/2009 12:00	4,736.25	3,692.20
16/08/2009 13:00	2,825.72	1,901.35
16/08/2009 14:00	558.71	176.19
16/08/2009 15:00	548.01	133.10

16/08/2009 16:00	524.07	86.66
16/08/2009 17:00	486.60	66.12
16/08/2009 18:00	461.86	67.00
16/08/2009 19:00	5,100.77	1,943.14
16/08/2009 20:00	3,289.55	1,366.41
16/08/2009 21:00	956.25	231.72
16/08/2009 22:00	601.85	172.75
16/08/2009 23:00	2,424.85	743.23
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17/08/2009 02:00	530.79	49.25
17/08/2009 03:00	6,499.08	3,669.74
17/08/2009 04:00	3,286.36	1,749.54
17/08/2009 05:00	576.56	122.78
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17/08/2009 07:00	20,126.76	16,187.56
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17/08/2009 10:00	18,166.68	14,910.59
17/08/2009 11:00	19,157.22	16,112.77
17/08/2009 12:00	19,393.11	16,148.76
17/08/2009 13:00	18,263.36	14,848.22
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17/08/2009 15:00	17,420.89	13,647.94
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17/08/2009 18:00	5,116.32	2,759.52
17/08/2009 19:00	5,371.07	3,355.29
17/08/2009 20:00	5,258.26	3,308.22
17/08/2009 21:00	4,033.09	1,872.56
17/08/2009 22:00	1,085.68	359.72
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18/08/2009 02:00	482.86	12.91
18/08/2009 03:00	3,243.90	886.24
18/08/2009 04:00	1,521.61	802.72
18/08/2009 05:00	613.02	97.69
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18/08/2009 07:00	14,631.14	12,507.38
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18/08/2009 09:00	15,852.11	13,182.17
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18/08/2009 11:00	18,232.91	14,853.99
18/08/2009 12:00	18,372.71	15,038.82
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18/08/2009 21:00	6,469.33	3,895.78
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18/08/2009 23:00	738.86	165.29
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19/08/2009 03:00	3,462.54	749.93
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