Evaluation of Historical and Proposed Alert and EECP Pricing

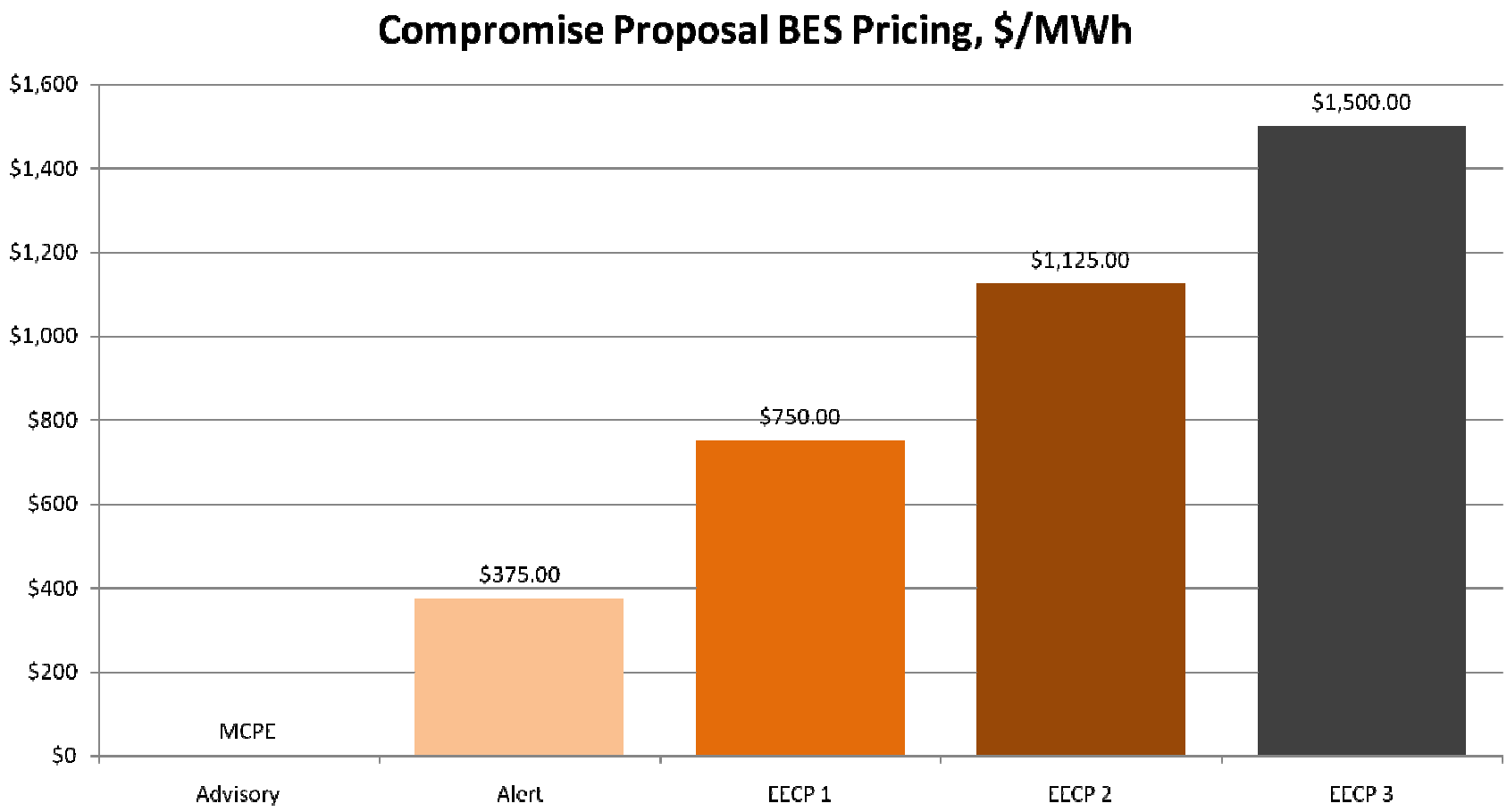
True North Associates

Evaluate Impact of Proposed Compromise Solution

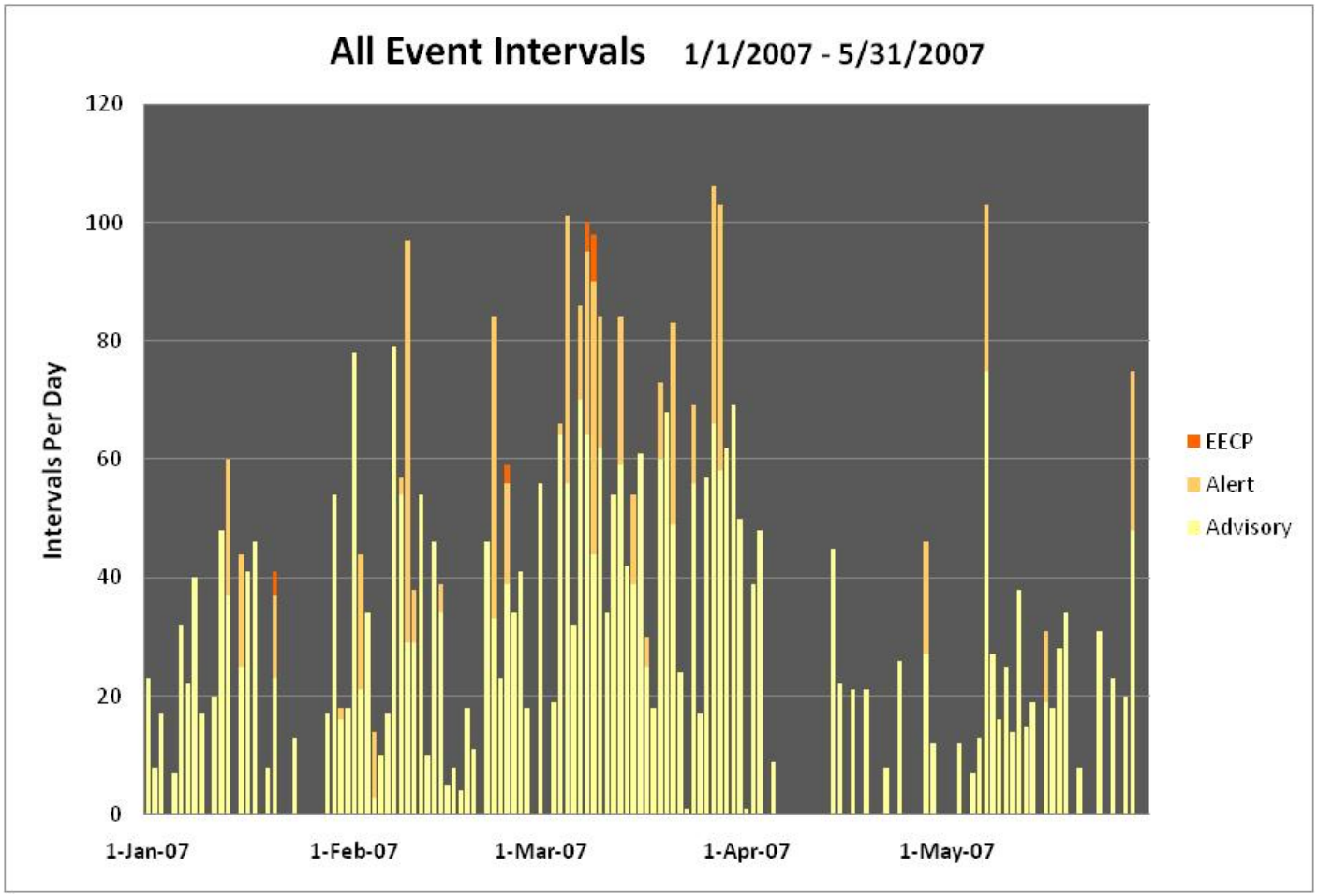
- Administratively set Alert and EECP Pricing Floors extending up to Market Maximum Clearing Price (HCAP)
  - Changes to Service Cost
  - Ability to offer a true 'Long-Term Solution" within the context of risk management decisions affecting capital investment

	Advisory	Alert	EECP
	<3,000 MW / 59.9 Hz.	<2,500 MW / 59.8 Hz.	<2,300 MW / 59.7 Hz.
2006	2093	226	19
2007	3468	727	23
Total Intervals	5561	953	42
Proposed Pricing	BES MCPE	Greater of 25% HCAP or BES MCPE	Step 1: 50% HCAP or BES MCPE Step 2: 75% HCAP or BES MCPE Step 3: 100% HCAP

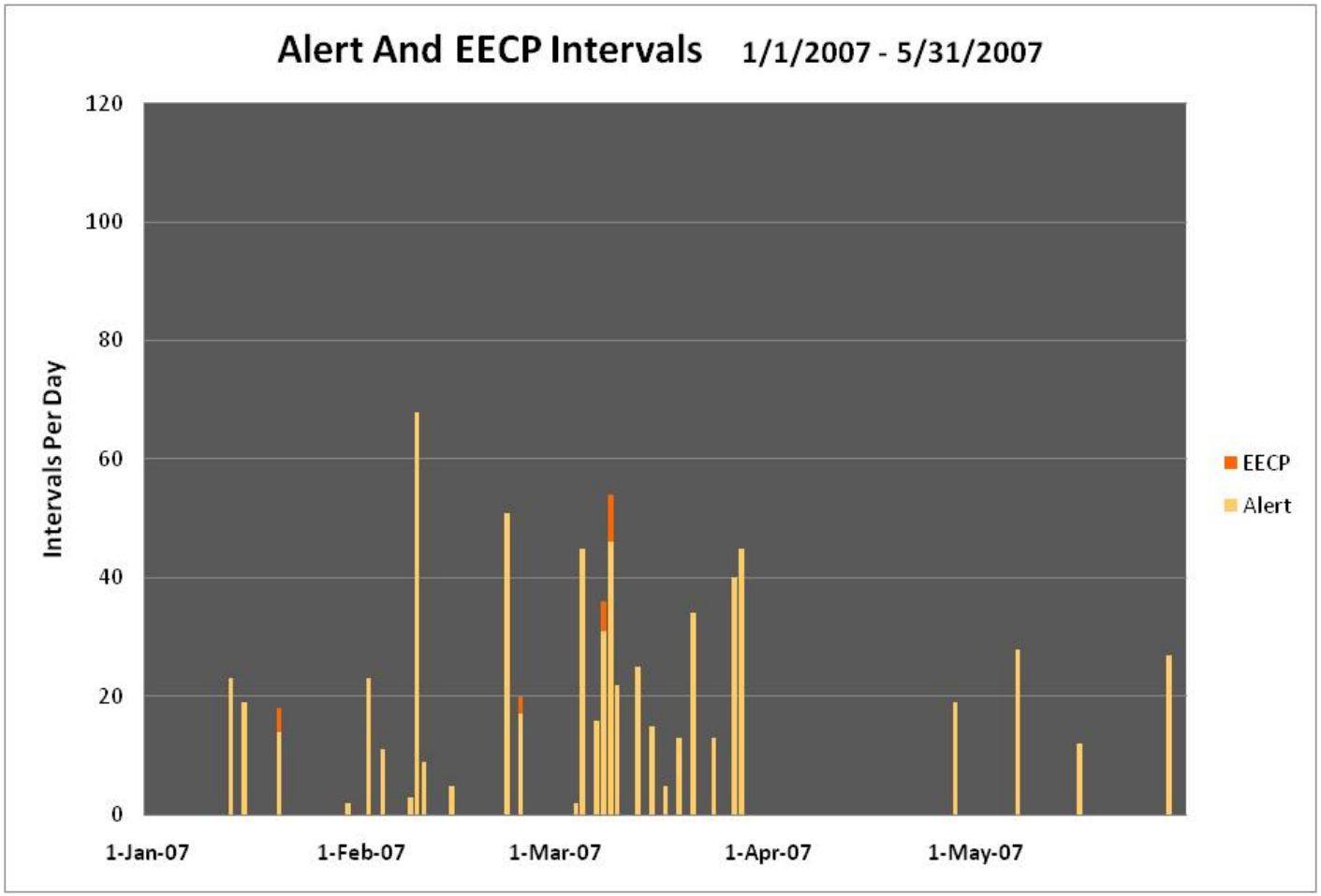
Compromise Pricing Ramp



Affected Intervals



Intervals Considered



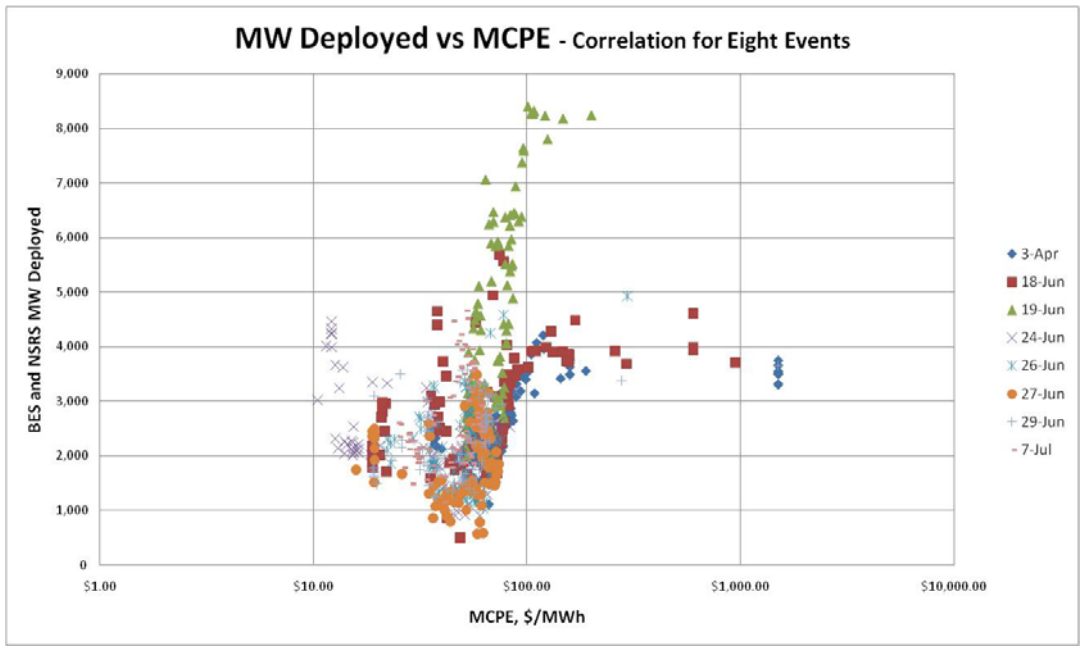
Approach

Examine BES database and evaluate eight Events between April 3 and July 7, 2007 identified by LTSTF members

Identify interval MCPE and MW conditions during Events

Recalculate BES costs under Alert and EECP conditions per alternative 'Compromise Proposal' framework

Determine change in Event costs for BES and NSRS



Converting Energy To Revenue

- Procedures and archival data contained in ERCOT BES Spreadsheets
  - Total BES Cost based on UBES and DBES resource deployments in N, S, W, and Houston zones
  - BES Costs calculated at each interval as:

    MW_i * 0.25 Hour/Interval * MCPE, $/MWh $_i$ or
    $Compromise Plan/MWh
  - Compromise Plan pricing logic utilized in computing revised total cost
    - Interval Price set to Greater of MCPE and Compromise Proposal Values
    - Compromise Pricing for Stages 2 and 3 EECP not considered

April 3, 2007

MCPE | UBES & DBES MW | Net MW | Cost @ MCPE | HUB Prices | NSRS

Intervals

Advisory Intervals

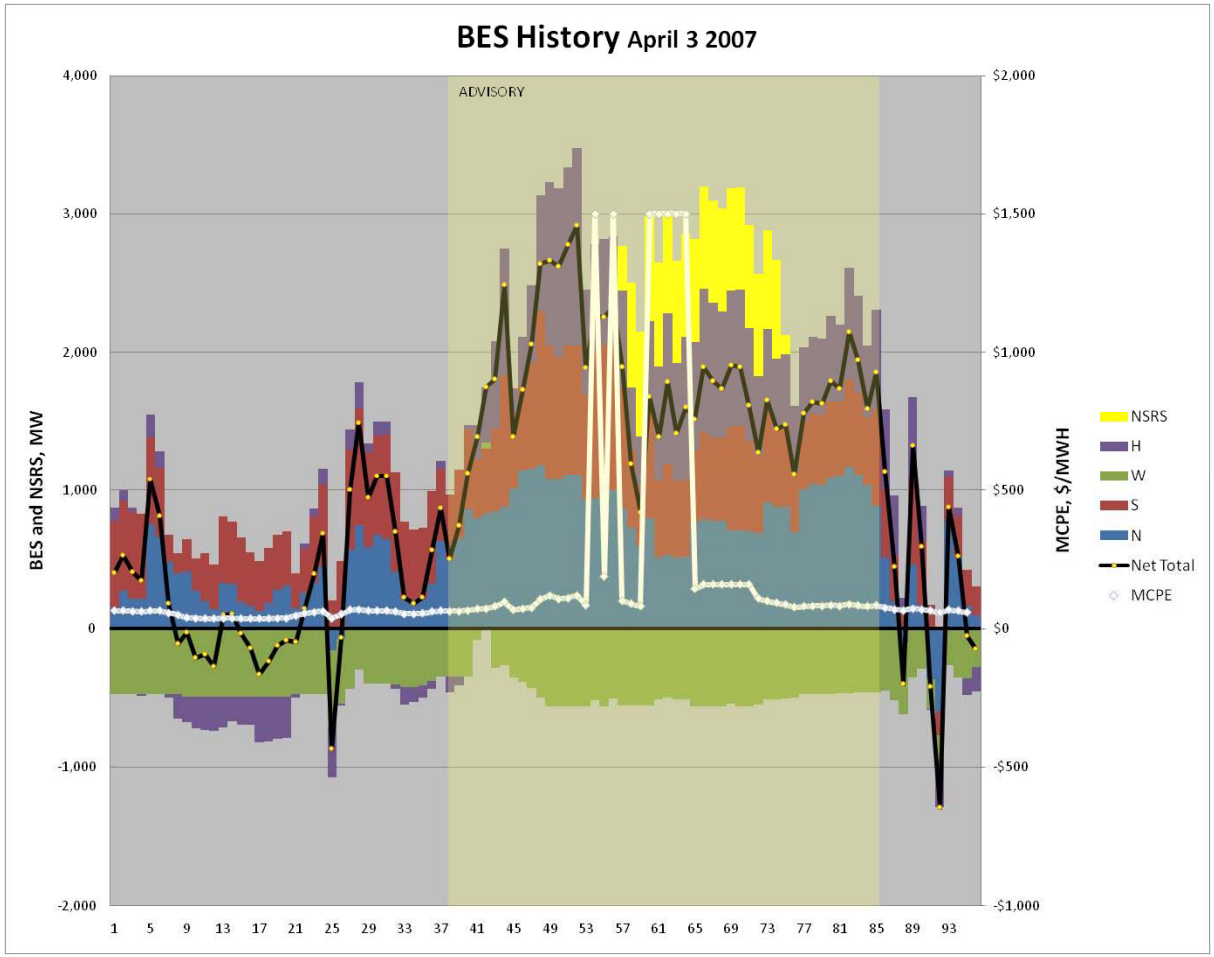
Balancing Energy Information for Mark 3-Apr-07

Interval Ending 03-Apr-07	MCPE Results Price N	S	W	H	BES Deployments DBES MW N	S	W	H	UBES MW N	S	W	H
0:15	$64.91	$64.91	$64.91	$64.91	206	4	470	5	356	631	0	102
0:30	$64.38	$64.38	$64.38	$64.38	56	0	470	27	328	655	0	102
0:45	$63.10	$63.10	$63.10	$63.10	20	0	470	66	236	624	0	102
1:00	$61.70	$61.70	$61.70	$61.70	20	0	470	117	236	614	0	101
1:15	$64.84	$64.84	$64.84	$64.84	15	0	470	11	771	628	0	176
1:30	$63.88	$63.88	$63.88	$63.88	15	0	470	53	677	500	0	176
1:45	$56.41	$56.41	$56.41	$56.41	36	0	470	201	519	196	0	175
2:00	$50.36	$50.36	$50.36	$50.36	93	14	470	201	494	156	0	19
2:15	$39.99	$39.99	$39.99	$39.99	255	66	490	266	668	299	0	80
2:30	$37.00	$37.00	$37.00	$37.00	344	118	491	304	618	349	0	78
2:45	$35.90	$35.90	$35.90	$35.90	398	62	491	317	593	409	0	78
3:00	$35.49	$35.49	$35.49	$35.49	451	57	491	323	593	379	0	78
3:15	$37.41	$37.41	$37.41	$37.41	321	33	491	298	654	512	0	79
3:30	$37.41	$37.41	$37.41	$37.41	330	33	491	257	654	481	0	79
3:45	$35.84	$35.84	$35.84	$35.84	461	34	491	278	654	500	0	78
4:00	$35.49	$35.49	$35.49	$35.49	489	93	491	283	654	480	0	78
4:15	$35.49	$35.49	$35.49	$35.49	478	81	491	328	604	443	0	0
4:30	$35.84	$35.84	$35.84	$35.84	417	50	491	323	604	443	0	0
4:45	$36.99	$36.99	$36.99	$36.99	322	50	491	305	604	443	0	0
5:00	$37.50	$37.50	$37.50	$37.50	295	49	491	296	604	443	0	0
5:15	$47.58	$47.58	$47.58	$47.58	122	0	470	110	268	255	0	82
5:30	$55.11	$55.11	$55.11	$55.11	59	7	470	110	318	324	0	146
5:45	$60.53	$60.53	$60.53	$60.53	8	0	470	94	344	476	0	148
6:00	$63.81	$63.81	$63.81	$63.81	8	0	470	29	453	593	0	150
6:15	$37.60	$37.60	$37.60	$37.60	436	334	553	471	280	539	0	109
6:30	$51.32	$51.32	$51.32	$51.32	357	98	470	121	283	586	0	110
6:45	$67.09	$67.09	$67.09	$67.09	0	0	470	7	567	729	33	153
7:00	$69.99	$69.99	$69.99	$69.99	0	0	331	0	746	845	33	194
7:15	$64.38	$64.38	$64.38	$64.38	25	0	470	23	614	688	73	89
7:30	$65.37	$65.37	$65.37	$65.37	25	0	470	0	705	719	73	103
7:45	$65.06	$65.06	$65.06	$65.06	25	0	470	2	672	758	73	99
8:00	$61.50	$61.50	$61.50	$61.50	107	0	470	107	518	720	69	75
8:15	$52.88	$52.88	$52.88	$52.88	267	0	470	185	482	557	47	60
8:30	$53.69	$53.69	$53.69	$53.69	272	30	470	185	482	535	48	75
8:45	$54.61	$54.61	$54.61	$54.61	272	87	470	185	482	604	63	93
9:00	$60.81	$60.81	$60.81	$60.81	181	0	470	153	505	672	91	100
9:15	$64.62	$64.62	$64.62	$64.62	26	37	470	58	661	559	123	118
9:30	$62.60	$62.60	$62.60	$62.60	111	60	470	216	610	528	123	101
9:45	$63.81	$63.81	$63.81	$63.81	25	47	470	169	677	546	123	107
10:00	$65.74	$65.74	$65.74	$65.74	25	1	470	102	888	577	123	135
10:15	$70.88	$70.88	$70.88	$70.88	23	0	268	71	822	429	185	316
10:30	$72.76	$72.76	$72.76	$72.76	20	0	142	40	847	476	185	442
10:45	$80.19	$80.19	$80.19	$80.19	19	0	465	9	866	599	185	646
11:00	$96.43	$96.43	$96.43	$96.43	9	0	465	0	891	949	200	922
11:15	$68.40	$68.40	$68.40	$68.40	8	0	465	0	1,018	553	113	179
11:30	$71.95	$71.95	$71.95	$71.95	8	0	497	0	1,153	615	113	353
11:45	$75.75	$75.75	$75.75	$75.75	8	0	539	0	1,167	762	113	561
12:00	$105.00	$105.00	$105.00	$105.00	0	0	611	0	1,182	1,116	113	837
12:15	$120.23	$120.23	$120.23	$120.23	0	0	645	0	1,084	965	82	1,180
12:30	$106.80	$106.80	$106.80	$106.80	0	0	645	0	1,079	890	82	1,215
12:45	$111.22	$111.22	$111.22	$111.22	0	0	645	0	1,112	935	82	1,294
13:00	$119.37	$119.37	$119.37	$119.37	0	0	645	0	1,112	936	82	1,432
13:15	$85.02	$85.02	$85.02	$85.02	0	5	645	0	928	769	82	760
13:30	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	5	610	0	938	1,087	94	760
13:45	$189.00	$189.00	$189.00	$189.00	0	5	645	0	987	1,076	82	760
14:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	5	600	0	997	1,087	94	760
14:15	$101.21	$101.21	$101.21	$101.21	0	11	645	0	866	884	93	709
14:30	$89.68	$89.68	$89.68	$89.68	25	11	645	0	754	571	93	455
14:45	$80.03	$80.03	$80.03	$80.03	26	11	645	0	621	441	93	366
15:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	11	645	0	800	798	93	641
15:15	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	21	562	0	515	578	53	825
15:30	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	16	548	0	534	671	53	1,091
15:45	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	16	562	0	516	572	53	849
16:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	0	16	562	0	517	573	53	1,041
16:15	$144.00	$144.00	$144.00	$144.00	0	18	562	0	766	544	0	783
16:30	$159.00	$159.00	$159.00	$159.00	0	15	562	0	794	646	0	1,033
16:45	$159.00	$159.00	$159.00	$159.00	0	15	562	0	780	619	0	974
17:00	$159.00	$159.00	$159.00	$159.00	0	15	562	0	780	619	0	914
17:15	$159.00	$159.00	$159.00	$159.00	0	7	543	0	710	758	0	986
17:30	$159.00	$159.00	$159.00	$159.00	0	2	560	0	710	757	0	986
17:45	$159.00	$159.00	$159.00	$159.00	0	2	562	0	705	657	1	818
18:00	$108.77	$108.77	$108.77	$108.77	0	2	562	0	693	566	11	568
18:15	$99.01	$99.01	$99.01	$99.01	0	2	513	0	913	660	0	595
18:30	$93.68	$93.68	$93.68	$93.68	0	0	513	0	880	563	0	513
18:45	$86.43	$86.43	$86.43	$86.43	0	0	513	0	881	580	6	524
19:00	$77.75	$77.75	$77.75	$77.75	19	0	513	0	714	445	16	474
19:15	$80.03	$80.03	$80.03	$80.03	15	0	474	0	1,020	493	0	537
19:30	$81.78	$81.78	$81.78	$81.78	4	0	474	0	1,049	513	4	555
19:45	$81.40	$81.40	$81.40	$81.40	9	0	474	0	1,049	509	4	548
20:00	$85.02	$85.02	$85.02	$85.02	0	0	474	0	1,094	550	0	620
20:15	$81.90	$81.90	$81.90	$81.90	2	0	464	0	1,108	537	0	555
20:30	$89.00	$89.00	$89.00	$89.00	0	0	464	0	1,173	630	0	809
20:45	$84.12	$84.12	$84.12	$84.12	0	0	464	0	1,111	594	1	702
21:00	$80.03	$80.03	$80.03	$80.03	16	0	464	0	1,055	489	2	522
21:15	$84.16	$84.16	$84.16	$84.16	0	0	464	0	888	700	7	722
21:30	$76.11	$76.11	$76.11	$76.11	8	0	464	0	520	488	16	585
21:45	$70.00	$70.00	$70.00	$70.00	8	0	527	0	203	328	11	441
22:00	$66.43	$66.43	$66.43	$66.43	128	96	527	3	26	239	11	81
22:15	$73.16	$73.16	$73.16	$73.16	35	0	351	0	500	620	0	589
22:30	$68.63	$68.63	$68.63	$68.63	168	13	387	2	341	476	96	249
22:45	$64.40	$64.40	$64.40	$64.40	554	278	396	127	188	449	185	117
23:00	$58.99	$58.99	$58.99	$58.99	782	592	396	378	186	416	197	61
23:15	$68.27	$68.27	$68.27	$68.27	11	193	381	78	791	517	118	116
23:30	$65.00	$65.00	$65.00	$65.00	1	97	470	54	521	394	118	110
23:45	$57.57	$57.57	$57.57	$57.57	182	146	469	220	346	405	113	100

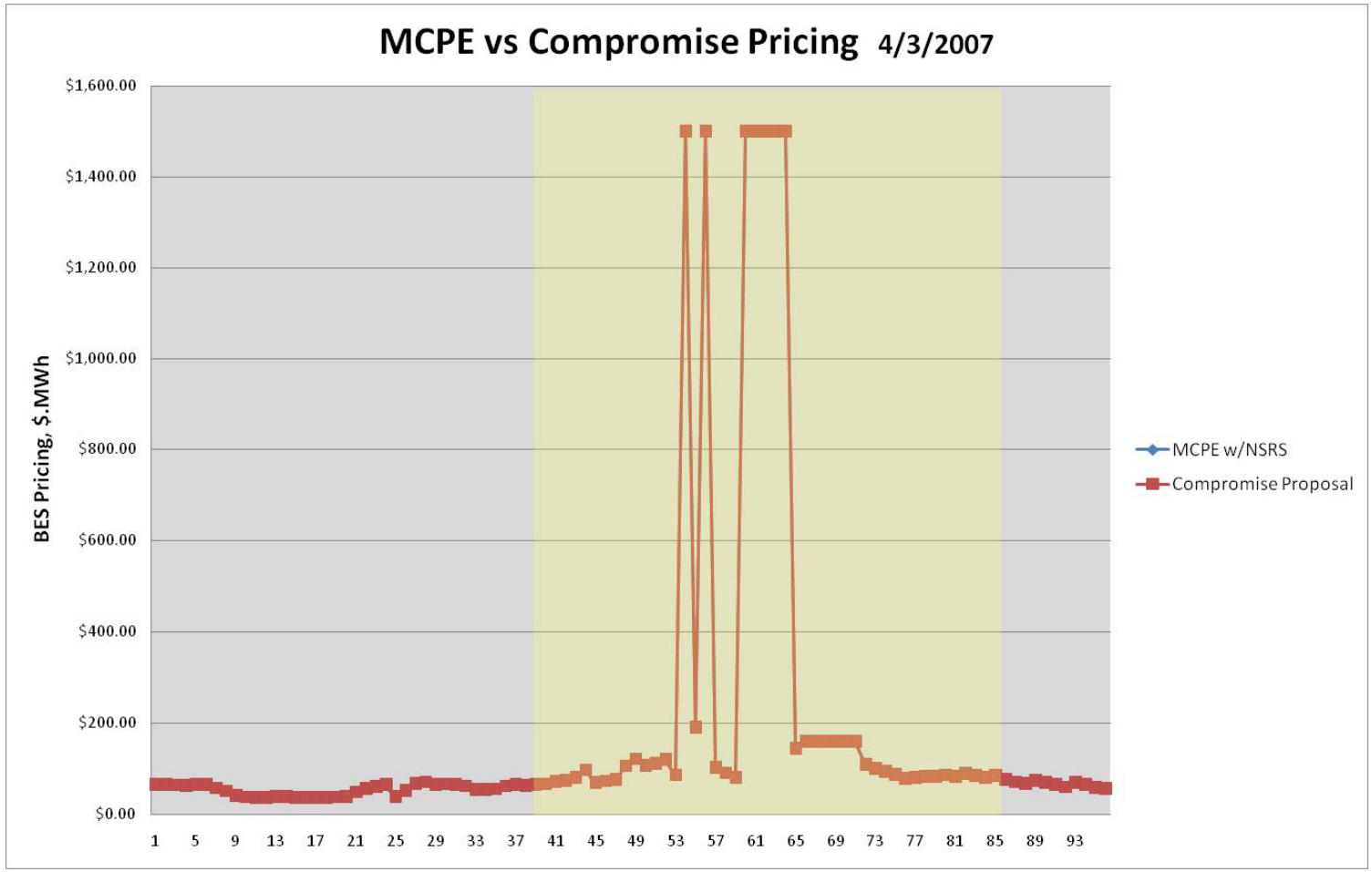
Interval Ending	Net BES MW (UBES - DBES) N	S	W	H	ALL ZONES	BES Cost ($) Net BES (MWh) x MCPE N	S	W	H	ALL ZONES
0:15	150	627	-470	97	404	$2,434.13	$10,174.64	-$7,626.93	$1,574.07	$6,555.91
0:30	272	655	-470	75	532	$4,377.84	$10,542.23	-$7,564.65	$1,207.13	$8,562.54
0:45	216	624	-470	36	406	$3,407.40	$9,843.60	-$7,414.25	$567.90	$6,404.65
1:00	216	614	-470	-16	344	$3,331.80	$9,470.95	-$7,249.75	-$246.80	$5,306.20
1:15	756	628	-470	165	1,079	$12,254.76	$10,179.88	-$7,618.70	$2,674.65	$17,490.59
1:30	662	500	-470	123	815	$10,572.14	$7,985.00	-$7,505.90	$1,964.31	$13,015.55
1:45	483	196	-470	-26	183	$6,811.51	$2,764.09	-$6,628.18	-$366.67	$2,580.76
2:00	401	142	-470	-182	-109	$5,048.59	$1,787.78	-$5,917.30	-$2,291.38	-$1,372.31
2:15	413	233	-490	-186	-30	$4,128.97	$2,329.42	-$4,898.78	-$1,859.54	-$299.93
2:30	274	231	-491	-226	-212	$2,534.50	$2,136.75	-$4,541.75	-$2,090.50	-$1,961.00
2:45	195	347	-491	-239	-188	$1,750.13	$3,114.33	-$4,406.73	-$2,145.03	-$1,687.30
3:00	142	322	-491	-245	-272	$1,259.90	$2,856.95	-$4,356.40	-$2,173.76	-$2,413.32
3:15	333	479	-491	-219	102	$3,114.38	$4,479.85	-$4,592.08	-$2,048.20	$953.96
3:30	324	448	-491	-178	103	$3,030.21	$4,189.92	-$4,592.08	-$1,664.75	$963.31
3:45	193	466	-491	-200	-32	$1,729.28	$4,175.36	-$4,399.36	-$1,792.00	-$286.72
4:00	165	387	-491	-205	-144	$1,463.96	$3,433.66	-$4,356.40	-$1,818.86	-$1,277.64
4:15	126	362	-491	-328	-331	$1,117.94	$3,211.85	-$4,356.40	-$2,910.18	-$2,936.80
4:30	187	393	-491	-323	-234	$1,675.52	$3,521.28	-$4,399.36	-$2,894.08	-$2,096.64
4:45	282	393	-491	-305	-121	$2,607.80	$3,634.27	-$4,540.52	-$2,820.49	-$1,118.95
5:00	309	394	-491	-296	-84	$2,896.88	$3,693.75	-$4,603.13	-$2,775.00	-$787.50
5:15	146	255	-470	-28	-97	$1,736.67	$3,033.23	-$5,590.65	-$333.06	-$1,153.82
5:30	259	317	-470	36	142	$3,568.37	$4,367.47	-$6,475.43	$495.99	$1,956.41
5:45	336	476	-470	54	396	$5,084.52	$7,203.07	-$7,112.28	$817.16	$5,992.47
6:00	445	593	-470	121	689	$7,098.86	$9,459.83	-$7,497.68	$1,930.25	$10,991.27
6:15	-156	205	-553	-362	-866	-$1,466.40	$1,927.00	-$5,198.20	-$3,402.80	-$8,140.40
6:30	-74	488	-470	-11	-67	-$949.42	$6,261.04	-$6,030.10	-$141.13	-$859.61
6:45	567	729	-437	146	1,005	$9,510.01	$12,227.15	-$7,329.58	$2,448.79	$16,856.36
7:00	746	845	-298	194	1,487	$13,053.14	$14,785.39	-$5,214.26	$3,394.52	$26,018.78
7:15	589	688	-397	66	946	$9,479.96	$11,073.36	-$6,389.72	$1,062.27	$15,225.87
7:30	680	719	-397	103	1,105	$11,112.90	$11,750.26	-$6,487.97	$1,683.28	$18,058.46
7:45	647	758	-397	97	1,105	$10,523.46	$12,328.87	-$6,457.21	$1,577.71	$17,972.83
8:00	411	720	-401	-32	698	$6,319.13	$11,070.00	-$6,165.38	-$492.00	$10,731.75
8:15	215	557	-423	-125	224	$2,842.30	$7,363.54	-$5,592.06	-$1,652.50	$2,961.28
8:30	210	505	-422	-110	183	$2,818.73	$6,778.36	-$5,664.30	-$1,476.48	$2,456.32
8:45	210	517	-407	-92	228	$2,867.03	$7,058.34	-$5,556.57	-$1,256.03	$3,112.77
9:00	324	672	-379	-53	564	$4,925.61	$10,216.08	-$5,761.75	-$805.73	$8,574.21
9:15	635	522	-347	60	870	$10,258.43	$8,432.91	-$5,605.79	$969.30	$14,054.85
9:30	499	468	-347	-115	505	$7,809.35	$7,324.20	-$5,430.55	-$1,799.75	$7,903.25
9:45	652	499	-347	-62	742	$10,401.03	$7,960.30	-$5,535.52	-$989.06	$11,836.76
10:00	863	576	-347	33	1,125	$14,183.41	$9,466.56	-$5,702.95	$542.36	$18,489.38
10:15	799	429	-83	245	1,390	$14,158.28	$7,601.88	-$1,470.76	$4,341.40	$24,630.80
10:30	827	476	43	402	1,748	$15,043.13	$8,658.44	$782.17	$7,312.38	$31,796.12
10:45	847	599	-280	637	1,803	$16,980.23	$12,008.45	-$5,613.30	$12,770.26	$36,145.64
11:00	882	949	-265	922	2,488	$21,262.82	$22,878.02	-$6,388.49	$22,227.12	$59,979.46
11:15	1,010	553	-352	179	1,390	$17,271.00	$9,456.30	-$6,019.20	$3,060.90	$23,769.00
11:30	1,145	615	-384	353	1,729	$20,595.69	$11,062.31	-$6,907.20	$6,349.59	$31,100.39
11:45	1,159	762	-426	561	2,056	$21,948.56	$14,430.38	-$8,067.38	$10,623.94	$38,935.50
12:00	1,182	1,116	-498	837	2,637	$31,027.50	$29,295.00	-$13,072.50	$21,971.25	$69,221.25
12:15	1,084	965	-563	1,180	2,666	$32,582.33	$29,005.49	-$16,922.37	$35,467.85	$80,133.30
12:30	1,079	890	-563	1,215	2,621	$28,809.30	$23,763.00	-$15,032.10	$32,440.50	$69,980.70
12:45	1,112	935	-563	1,294	2,778	$30,919.16	$25,997.68	-$15,654.22	$35,979.67	$77,242.29
13:00	1,112	936	-563	1,432	2,917	$33,184.86	$27,932.58	-$16,801.33	$42,734.46	$87,050.57
13:15	928	764	-563	760	1,889	$19,724.64	$16,238.82	-$11,966.57	$16,153.80	$40,150.70
13:30	938	1,082	-516	760	2,264	$351,750.00	$405,750.00	-$193,500.00	$285,000.00	$849,000.00
13:45	987	1,071	-563	760	2,255	$46,635.75	$50,604.75	-$26,601.75	$35,910.00	$106,548.75
14:00	997	1,082	-506	760	2,333	$373,875.00	$405,750.00	-$189,750.00	$285,000.00	$874,875.00
14:15	866	873	-552	709	1,896	$21,911.97	$22,089.08	-$13,966.98	$17,939.47	$47,973.54
14:30	729	560	-552	455	1,192	$16,344.18	$12,555.20	-$12,375.84	$10,201.10	$26,724.64
14:45	595	430	-552	366	839	$11,904.46	$8,603.23	-$11,044.14	$7,322.75	$16,786.29
15:00	800	787	-552	641	1,676	$300,000.00	$295,125.00	-$207,000.00	$240,375.00	$628,500.00
15:15	515	557	-509	825	1,388	$193,125.00	$208,875.00	-$190,875.00	$309,375.00	$520,500.00
15:30	534	655	-495	1,091	1,785	$200,250.00	$245,625.00	-$185,625.00	$409,125.00	$669,375.00
15:45	516	556	-509	849	1,412	$193,500.00	$208,500.00	-$190,875.00	$318,375.00	$529,500.00
16:00	517	557	-509	1,041	1,606	$193,875.00	$208,875.00	-$190,875.00	$390,375.00	$602,250.00
16:15	766	526	-562	783	1,513	$27,576.00	$18,936.00	-$20,232.00	$28,188.00	$54,468.00
16:30	794	631	-562	1,033	1,896	$31,561.50	$25,082.25	-$22,339.50	$41,061.75	$75,366.00
16:45	780	604	-562	974	1,796	$31,005.00	$24,009.00	-$22,339.50	$38,716.50	$71,391.00
17:00	780	604	-562	914	1,736	$31,005.00	$24,009.00	-$22,339.50	$36,331.50	$69,006.00
17:15	710	751	-543	986	1,904	$28,222.50	$29,852.25	-$21,584.25	$39,193.50	$75,684.00
17:30	710	755	-560	986	1,891	$28,222.50	$30,011.25	-$22,260.00	$39,193.50	$75,167.25
17:45	705	655	-561	818	1,617	$28,023.75	$26,036.25	-$22,299.75	$32,515.50	$64,275.75
18:00	693	564	-551	568	1,274	$18,844.40	$15,336.57	-$14,983.07	$15,445.34	$34,643.25
18:15	913	658	-513	595	1,653	$22,599.03	$16,287.15	-$12,698.03	$14,727.74	$40,915.88
18:30	880	563	-513	513	1,443	$20,609.60	$13,185.46	-$12,014.46	$12,014.46	$33,795.06
18:45	881	580	-507	524	1,478	$19,036.21	$12,532.35	-$10,955.00	$11,322.33	$31,935.89
19:00	695	445	-497	474	1,117	$13,509.06	$8,649.69	-$9,660.44	$9,213.38	$21,711.69
19:15	1,005	493	-474	537	1,561	$20,107.54	$9,863.70	-$9,483.56	$10,744.03	$31,231.71
19:30	1,045	513	-470	555	1,643	$21,365.03	$10,488.29	-$9,609.15	$11,346.98	$33,591.14
19:45	1,040	509	-470	548	1,627	$21,164.00	$10,358.15	-$9,564.50	$11,151.80	$33,109.45
20:00	1,094	550	-474	620	1,790	$23,252.97	$11,690.25	-$10,074.87	$13,178.10	$38,046.45
20:15	1,106	537	-464	555	1,734	$22,645.35	$10,995.08	-$9,500.40	$11,363.63	$35,503.65
20:30	1,173	630	-464	809	2,148	$26,099.25	$14,017.50	-$10,324.00	$18,000.25	$47,793.00
20:45	1,111	594	-463	702	1,944	$23,364.33	$12,491.82	-$9,736.89	$14,763.06	$40,882.32
21:00	1,039	489	-462	522	1,588	$20,787.79	$9,783.67	-$9,243.47	$10,443.92	$31,771.91
21:15	888	700	-457	722	1,853	$18,683.52	$14,728.00	-$9,615.28	$15,190.88	$38,987.12
21:30	512	488	-448	585	1,137	$9,742.08	$9,285.42	-$8,524.32	$11,131.09	$21,634.27
21:45	195	328	-516	441	448	$3,412.50	$5,740.00	-$9,030.00	$7,717.50	$7,840.00
22:00	-102	143	-516	78	-397	-$1,693.97	$2,374.87	-$8,569.47	$1,295.39	-$6,593.18
22:15	465	620	-351	589	1,323	$8,504.85	$11,339.80	-$6,419.79	$10,772.81	$24,197.67
22:30	173	463	-291	247	592	$2,968.25	$7,943.92	-$4,992.83	$4,237.90	$10,157.24
22:45	-366	171	-211	-10	-416	-$5,892.60	$2,753.10	-$3,397.10	-$161.00	-$6,697.60
23:00	-596	-176	-199	-317	-1,288	-$8,789.51	-$2,595.56	-$2,934.75	-$4,674.96	-$18,994.78
23:15	780	324	-263	38	879	$13,312.65	$5,529.87	-$4,488.75	$648.57	$15,002.33
23:30	520	297	-352	56	521	$8,450.00	$4,826.25	-$5,720.00	$910.00	$8,466.25
23:45	164	259	-356	-120	-53	$2,360.37	$3,727.66	-$5,123.73	-$1,727.10	-$762.80

Interval Ending	Trading Hub Prices Price N	S	W	H	ERCOT Hub Average	ERCOT Bus Average	NSRS MW NSRS Deployed	Total UBES Bid	% UBES Awarded
0:15	$64.91	$64.91	$64.91	$64.91	$64.91	$64.91		2,692	40
0:30	$64.38	$64.38	$64.38	$64.38	$64.38	$64.38		2,692	40
0:45	$63.10	$63.10	$63.10	$63.10	$63.10	$63.10		2,692	36
1:00	$61.70	$61.70	$61.70	$61.70	$61.70	$61.70		2,692	35
1:15	$64.84	$64.84	$64.84	$64.84	$64.84	$64.84		3,502	45
1:30	$63.88	$63.88	$63.88	$63.88	$63.88	$63.88		3,502	39
1:45	$56.41	$56.41	$56.41	$56.41	$56.41	$56.41		3,502	25
2:00	$50.36	$50.36	$50.36	$50.36	$50.36	$50.36		3,502	19
2:15	$39.99	$39.99	$39.99	$39.99	$39.99	$39.99		4,180	25
2:30	$37.00	$37.00	$37.00	$37.00	$37.00	$37.00		4,180	25
2:45	$35.90	$35.90	$35.90	$35.90	$35.90	$35.90		4,180	26
3:00	$35.49	$35.49	$35.49	$35.49	$35.49	$35.49		4,180	25
3:15	$37.41	$37.41	$37.41	$37.41	$37.41	$37.41		4,334	29
3:30	$37.41	$37.41	$37.41	$37.41	$37.41	$37.41		4,334	28
3:45	$35.84	$35.84	$35.84	$35.84	$35.84	$35.84		4,334	28
4:00	$35.49	$35.49	$35.49	$35.49	$35.49	$35.49		4,334	28
4:15	$35.49	$35.49	$35.49	$35.49	$35.49	$35.49		4,195	25
4:30	$35.84	$35.84	$35.84	$35.84	$35.84	$35.84		4,195	25
4:45	$36.99	$36.99	$36.99	$36.99	$36.99	$36.99		4,195	25
5:00	$37.50	$37.50	$37.50	$37.50	$37.50	$37.50		4,195	25
5:15	$47.58	$47.58	$47.58	$47.58	$47.58	$47.58		3,401	18
5:30	$55.11	$55.11	$55.11	$55.11	$55.11	$55.11		3,401	23
5:45	$60.53	$60.53	$60.53	$60.53	$60.53	$60.53		3,401	28
6:00	$63.81	$63.81	$63.81	$63.81	$63.81	$63.81		3,401	35
6:15	$37.60	$37.60	$37.60	$37.60	$37.60	$37.60		3,391	27
6:30	$51.32	$51.32	$51.32	$51.32	$51.32	$51.32		3,391	29
6:45	$67.09	$67.09	$67.09	$67.09	$67.09	$67.09		3,391	44
7:00	$69.99	$69.99	$69.99	$69.99	$69.99	$69.99		3,391	54
7:15	$64.38	$64.38	$64.38	$64.38	$64.38	$64.38		3,541	41
7:30	$65.37	$65.37	$65.37	$65.37	$65.37	$65.37		3,541	45
7:45	$65.06	$65.06	$65.06	$65.06	$65.06	$65.06		3,541	45
8:00	$61.50	$61.50	$61.50	$61.50	$61.50	$61.50		3,541	39
8:15	$52.88	$52.88	$52.88	$52.88	$52.88	$52.88		4,484	26
8:30	$53.69	$53.69	$53.69	$53.69	$53.69	$53.69		4,484	25
8:45	$54.61	$54.61	$54.61	$54.61	$54.61	$54.61		4,484	28
9:00	$60.81	$60.81	$60.81	$60.81	$60.81	$60.81		4,484	31
9:15	$64.62	$64.62	$64.62	$64.62	$64.62	$64.62		4,940	30
9:30	$62.60	$62.60	$62.60	$62.60	$62.60	$62.60		4,940	28
9:45	$63.81	$63.81	$63.81	$63.81	$63.81	$63.81		4,940	29
10:00	$65.74	$65.74	$65.74	$65.74	$65.74	$65.74		4,940	35
10:15	$70.88	$70.88	$70.88	$70.88	$70.88	$70.88		4,363	
10:30	$72.76	$72.76	$72.76	$72.76	$72.76	$72.76		4,363	
10:45	$80.19	$80.19	$80.19	$80.19	$80.19	$80.19		4,363	
11:00	$96.43	$96.43	$96.43	$96.43	$96.43	$96.43		4,363	
11:15	$68.40	$68.40	$68.40	$68.40	$68.40	$68.40		4,633	
11:30	$71.95	$71.95	$71.95	$71.95	$71.95	$71.95		4,633	
11:45	$75.75	$75.75	$75.75	$75.75	$75.75	$75.75		4,633	
12:00	$105.00	$105.00	$105.00	$105.00	$105.00	$105.00		4,633	
12:15	$120.23	$120.23	$120.23	$120.23	$120.23	$120.23		4,121	
12:30	$106.80	$106.80	$106.80	$106.80	$106.80	$106.80		4,121	
12:45	$111.22	$111.22	$111.22	$111.22	$111.22	$111.22		4,121	
13:00	$119.37	$119.37	$119.37	$119.37	$119.37	$119.37		4,121	86
13:15	$85.02	$85.02	$85.02	$85.02	$85.02	$85.02		3,124	81
13:30	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00		3,124	92
13:45	$189.00	$189.00	$189.00	$189.00	$189.00	$189.00		3,124	93
14:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00		3,124	94
14:15	$101.21	$101.21	$101.21	$101.21	$101.21	$101.21	324	3,012	85
14:30	$89.68	$89.68	$89.68	$89.68	$89.68	$89.68	758	3,012	62
14:45	$80.03	$80.03	$80.03	$80.03	$80.03	$80.03	758	3,012	50
15:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	758	3,012	77
15:15	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	754	2,446	81
15:30	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	742	2,446	96
15:45	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	742	2,446	81
16:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	742	2,446	89
16:15	$144.00	$144.00	$144.00	$144.00	$144.00	$144.00	743	2,824	74
16:30	$159.00	$159.00	$159.00	$159.00	$159.00	$159.00	743	2,824	88
16:45	$159.00	$159.00	$159.00	$159.00	$159.00	$159.00	743	2,824	84
17:00	$159.00	$159.00	$159.00	$159.00	$159.00	$159.00	743	2,824	82
17:15	$159.00	$159.00	$159.00	$159.00	$159.00	$159.00	742	2,707	91
17:30	$159.00	$159.00	$159.00	$159.00	$159.00	$159.00	742	2,707	91
17:45	$159.00	$159.00	$159.00	$159.00	$159.00	$159.00	742	2,707	81
18:00	$108.77	$108.77	$108.77	$108.77	$108.77	$108.77	742	2,707	68
18:15	$99.01	$99.01	$99.01	$99.01	$99.01	$99.01	715	3,452	63
18:30	$93.68	$93.68	$93.68	$93.68	$93.68	$93.68	715	3,452	57
18:45	$86.43	$86.43	$86.43	$86.43	$86.43	$86.43	137	3,452	58
19:00	$77.75	$77.75	$77.75	$77.75	$77.75	$77.75		3,452	48
19:15	$80.03	$80.03	$80.03	$80.03	$80.03	$80.03		3,787	54
19:30	$81.78	$81.78	$81.78	$81.78	$81.78	$81.78		3,787	56
19:45	$81.40	$81.40	$81.40	$81.40	$81.40	$81.40		3,787	56
20:00	$85.02	$85.02	$85.02	$85.02	$85.02	$85.02		3,787	60
20:15	$81.90	$81.90	$81.90	$81.90	$81.90	$81.90		3,651	60
20:30	$89.00	$89.00	$89.00	$89.00	$89.00	$89.00		3,651	72
20:45	$84.12	$84.12	$84.12	$84.12	$84.12	$84.12		3,651	66
21:00	$80.03	$80.03	$80.03	$80.03	$80.03	$80.03		3,651	57
21:15	$84.16	$84.16	$84.16	$84.16	$84.16	$84.16		3,557	65
21:30	$76.11	$76.11	$76.11	$76.11	$76.11	$76.11		3,557	45
21:45	$70.00	$70.00	$70.00	$70.00	$70.00	$70.00		3,557	28
22:00	$66.43	$66.43	$66.43	$66.43	$66.43	$66.43		3,557	10
22:15	$73.16	$73.16	$73.16	$73.16	$73.16	$73.16		4,081	42
22:30	$68.63	$68.63	$68.63	$68.63	$68.63	$68.63		4,081	28
22:45	$64.40	$64.40	$64.40	$64.40	$64.40	$64.40		4,081	23
23:00	$58.99	$58.99	$58.99	$58.99	$58.99	$58.99		4,081	21
23:15	$68.27	$68.27	$68.27	$68.27	$68.27	$68.27		5,424	28
23:30	$65.00	$65.00	$65.00	$65.00	$65.00	$65.00		5,424	21
23:45	$57.57	$57.57	$57.57	$57.57	$57.57	$57.57		5,424	18

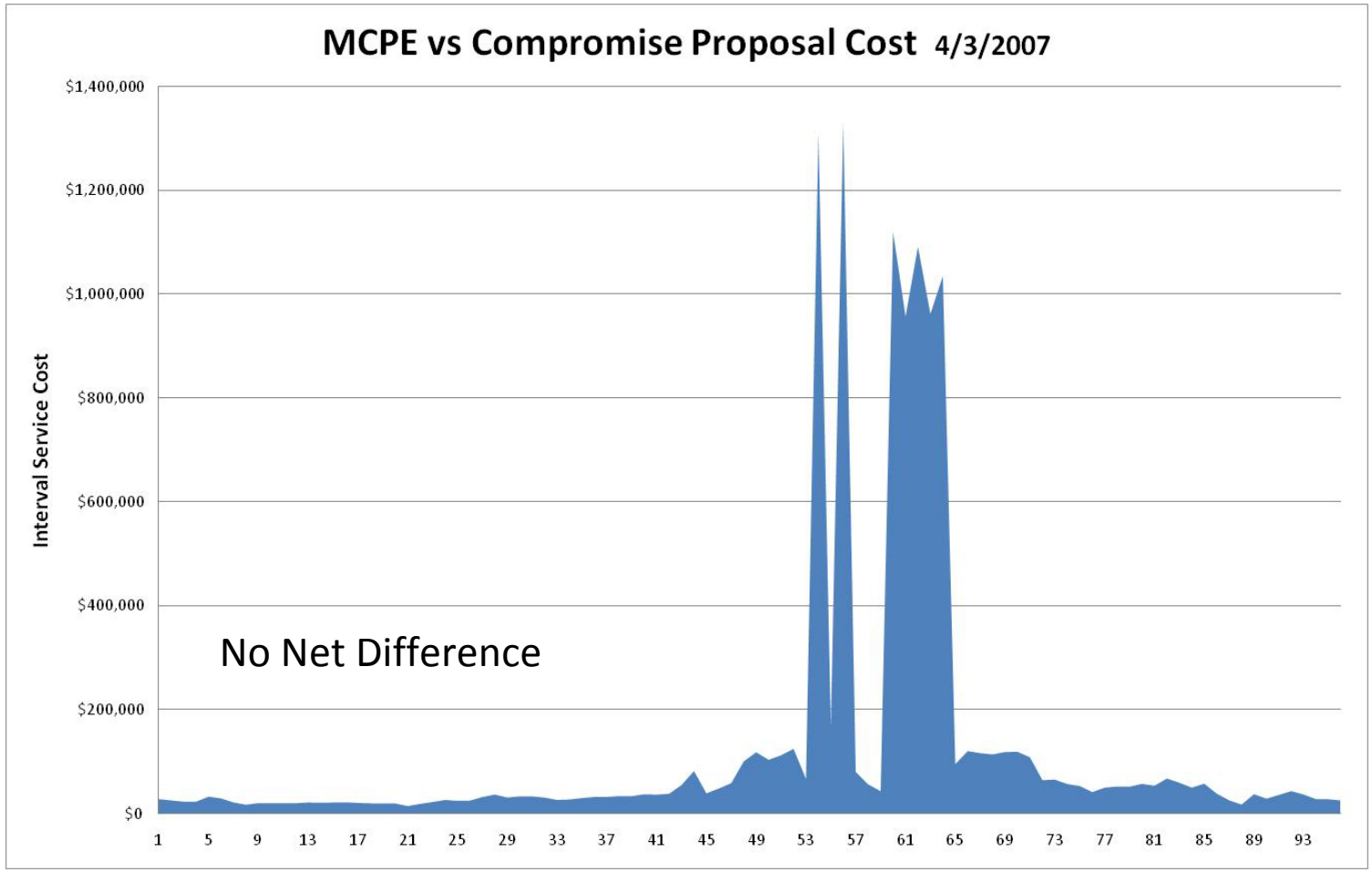
April 3, 2007


BES History April 3 2007
ADVISORY
BES and NSRS, MW
MCPE, $/MWH
4,000
3,000
2,000
1,000
0
-1,000
-2,000
$2,000
$1,500
$1,000
$500
$0
-$500
-$1,000
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
NSRS
H
W
S
N
Net Total
MCPE

Pricing Comparison
4/3/2007



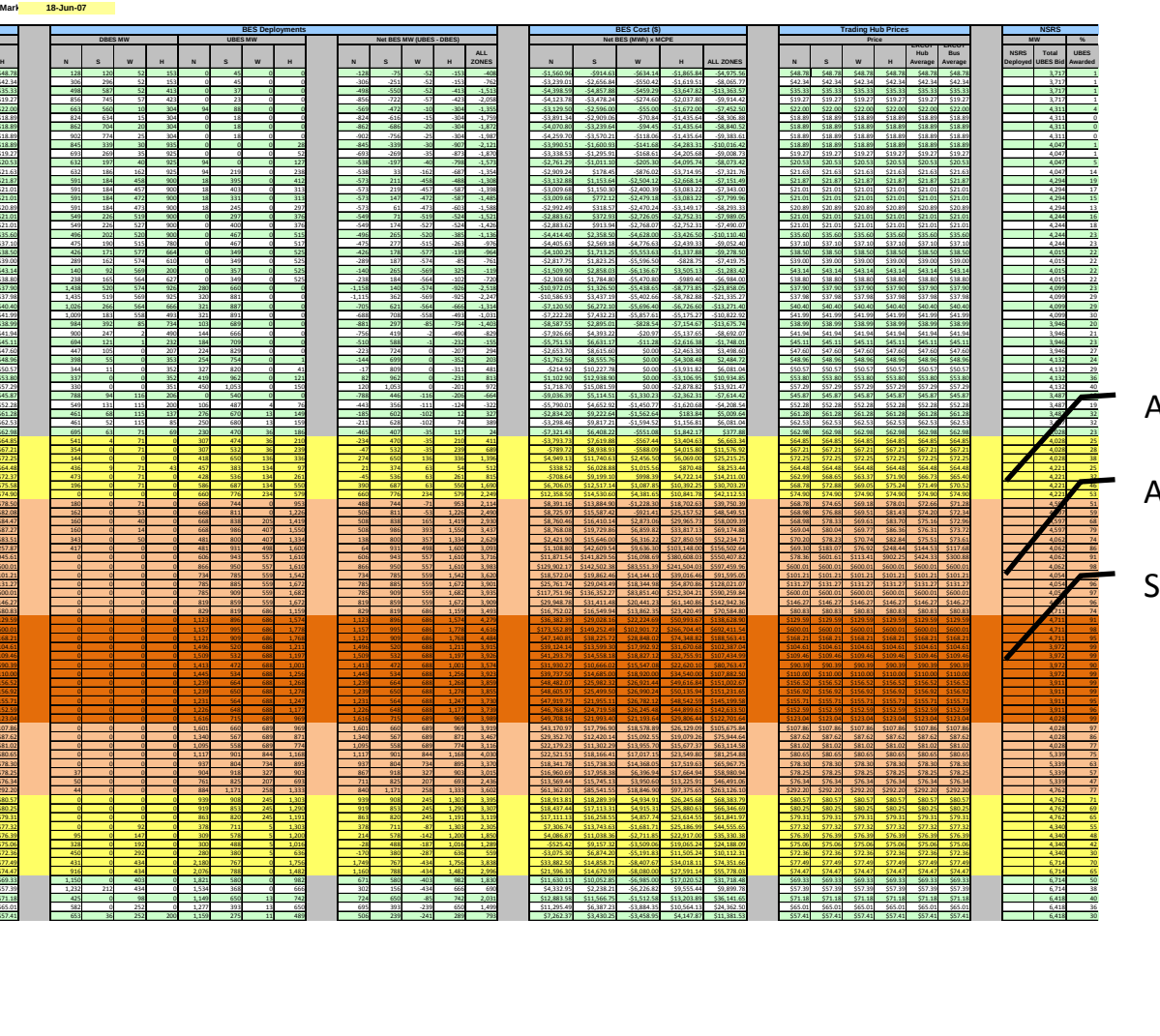
BES Cost Comparison
4/3/2007



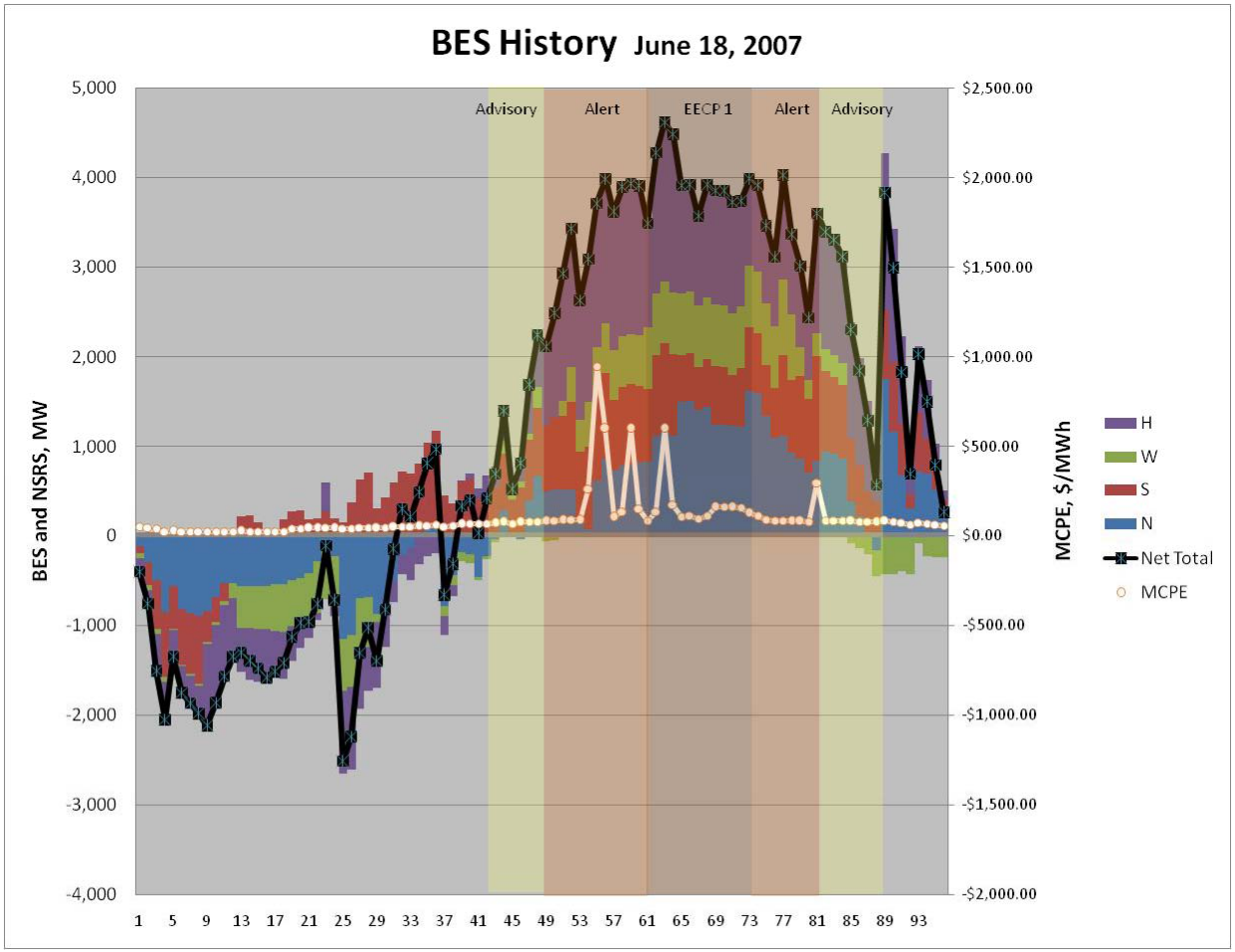
June 18, 2007

Balancing Energy Information for Mar 18-Jun-07

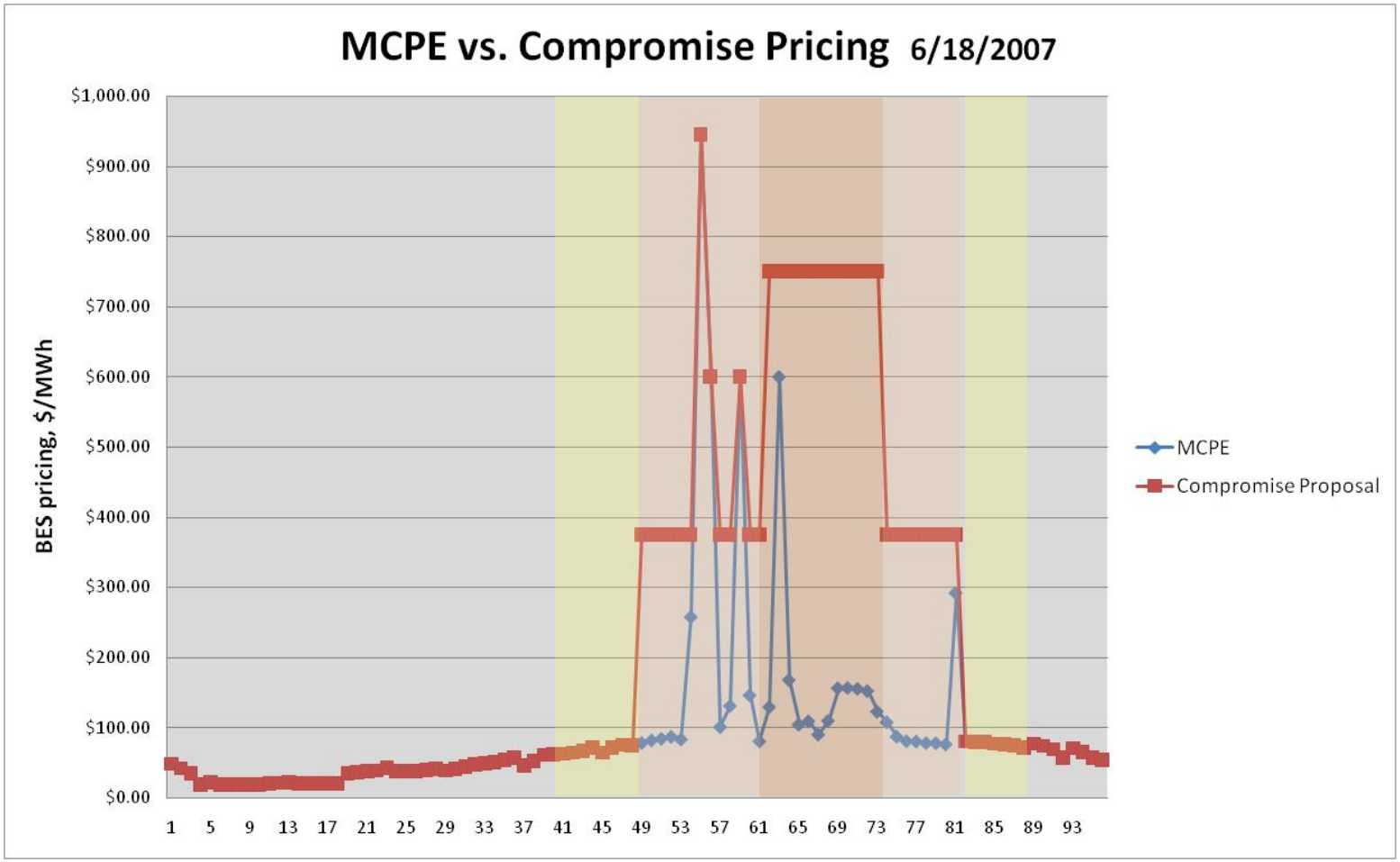
Intervals



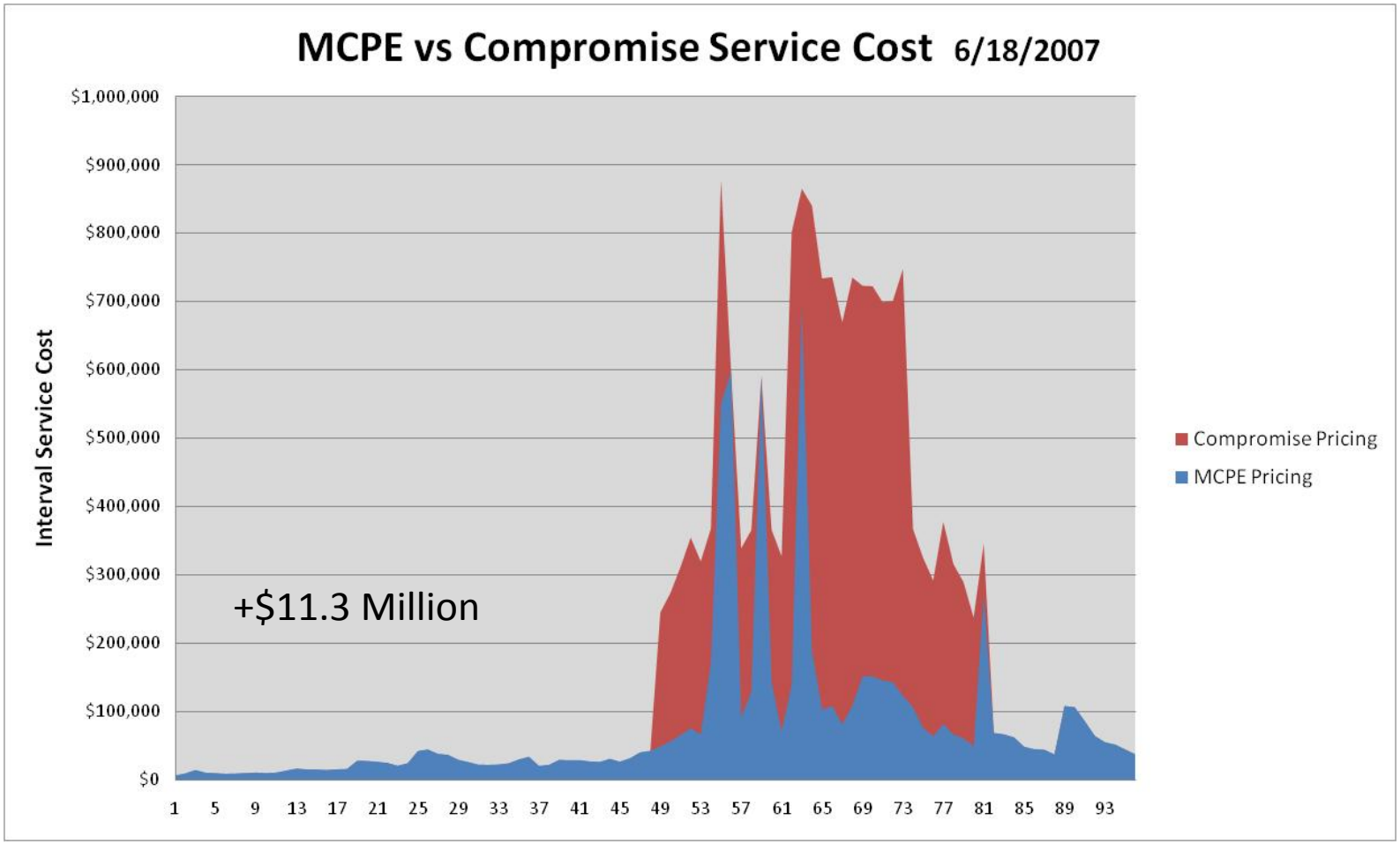
June 18, 2007


BES History June 18, 2007
Advisory
Alert
EECP 1
Alert
Advisory
BES and NSRS, MW
MCPE, $/MWh
5,000
4,000
3,000
2,000
1,000
0
-1,000
-2,000
-3,000
-4,000
$2,500.00
$2,000.00
$1,500.00
$1,000.00
$500.00
$0.00
-$500.00
-$1,000.00
-$1,500.00
-$2,000.00
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
H
W
S
N
Net Total
MCPE

Pricing Comparison
6/18/2007



BES Cost Comparison
6/18/2007

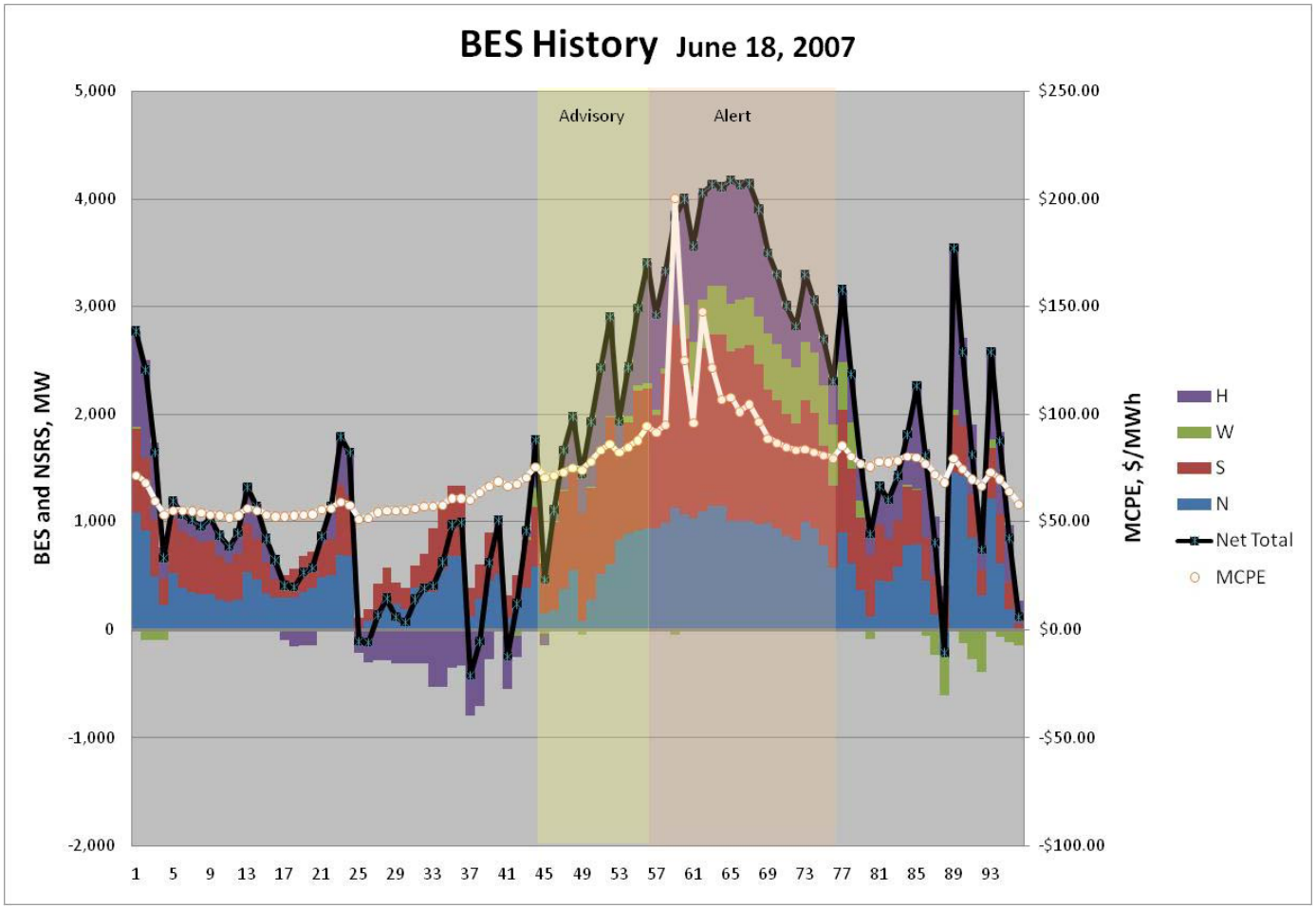


June 19, 2007

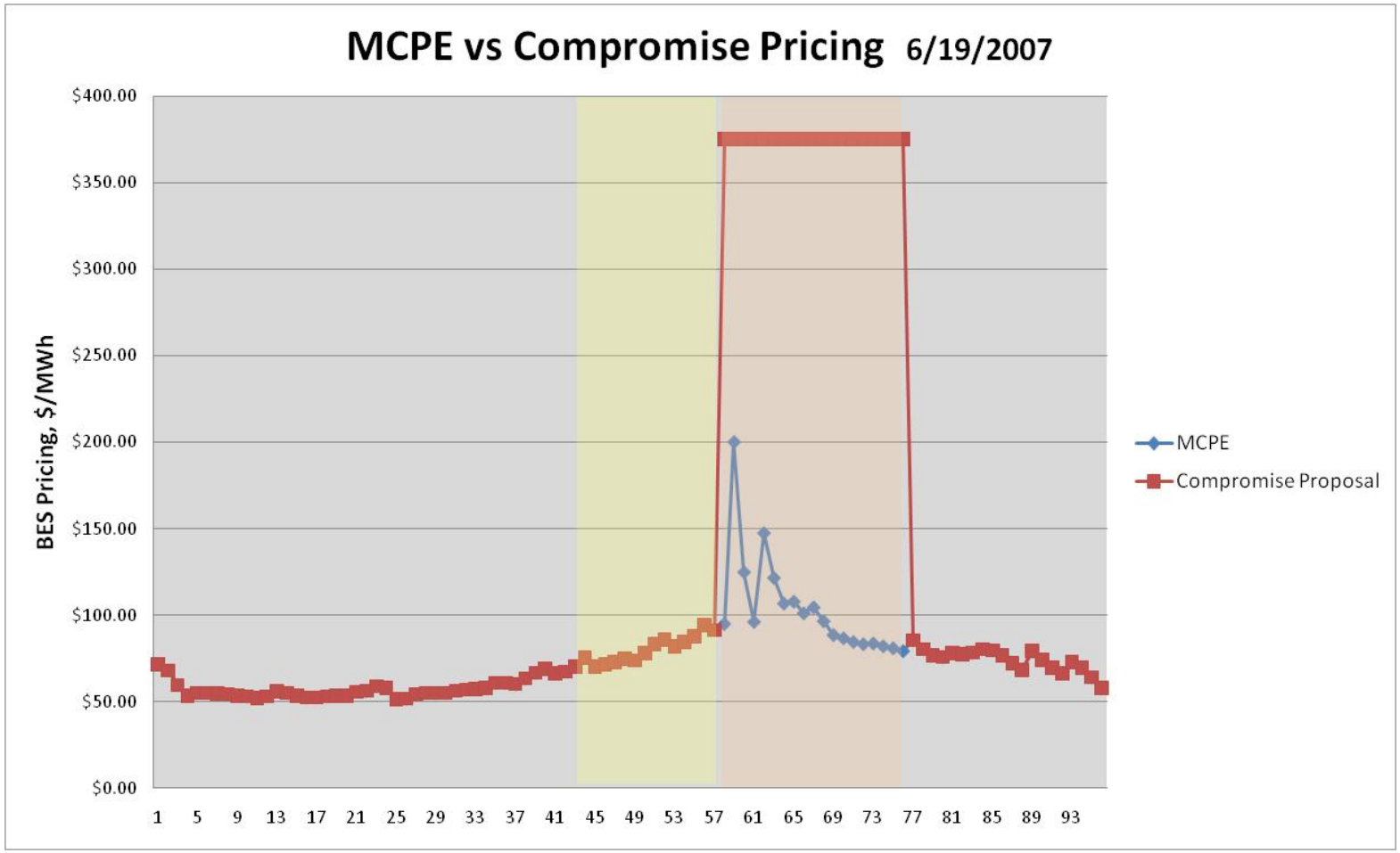
Balancing Energy Information for Mark 19-Jun-07

Interval Ending	MCPE Results				BES Deployments													BES Cost ($)					Trading Hub Prices						NSRS		
	Price				DBES MW				UBES MW				Net BES MW (UBES - DBES)					Net BES (MWh) x MCPE					Price						MW		%
19-Jun-07	N	S	W	H	N	S	W	H	N	S	W	H	N	S	W	H	ALL ZONES	N	S	W	H	ALL ZONES	N	S	W	H	ERCOT Hub Average	ERCOT Bus Average	NSRS Deployed	Total UBES Bid	UBES Awarded
0:15	$71.38	$71.38	$71.38	$71.38	26	0	0	46	1,103	779	27	931	1,077	779	27	885	2,768	########	########	$481.82	########	########	$71.38	$71.38	$71.38	$71.38	$71.38	$71.38		5,162	55
0:30	$67.93	$67.93	$67.93	$67.93	168	0	95	0	1,080	676	0	915	912	676	-95	915	2,408	########	########	########	########	########	$67.93	$67.93	$67.93	$67.93	$67.93	$67.93		5,162	52
0:45	$59.57	$59.57	$59.57	$59.57	339	74	95	154	829	593	0	880	490	519	-95	726	1,640	$7,297.33	$7,729.21	########	########	########	$59.57	$59.57	$59.57	$59.57	$59.57	$59.57		5,162	45
1:00	$53.31	$53.31	$53.31	$53.31	382	114	95	154	606	362	0	439	224	248	-95	285	662	$2,985.36	$3,305.22	########	$3,798.34	$8,822.81	$53.31	$53.31	$53.31	$53.31	$53.31	$53.31		5,162	27
1:15	$55.01	$55.01	$55.01	$55.01	42	14	24	200	565	518	0	386	523	504	-24	186	1,189	$7,192.56	$6,931.26	-$330.06	$2,557.97	########	$55.01	$55.01	$55.01	$55.01	$55.01	$55.01		4,689	31
1:30	$55.00	$55.00	$55.00	$55.00	42	0	24	200	429	517	0	385	387	517	-24	185	1,065	$5,321.25	$7,108.75	-$330.00	$2,543.75	########	$55.00	$55.00	$55.00	$55.00	$55.00	$55.00		4,689	28
1:45	$54.84	$54.84	$54.84	$54.84	42	0	24	200	389	510	0	383	347	510	-24	183	1,016	$4,757.37	$6,992.10	-$329.04	$2,508.93	########	$54.84	$54.84	$54.84	$54.84	$54.84	$54.84		4,689	27
2:00	$54.28	$54.28	$54.28	$54.28	44	0	24	200	364	484	0	374	320	484	-24	174	954	$4,342.40	$6,567.88	-$325.68	$2,361.18	########	$54.28	$54.28	$54.28	$54.28	$54.28	$54.28		4,689	26
2:15	$53.31	$53.31	$53.31	$53.31	41	0	24	200	364	497	0	436	323	497	-24	236	1,032	$4,304.78	$6,623.77	-$319.86	$3,145.29	########	$53.31	$53.31	$53.31	$53.31	$53.31	$53.31		4,987	26
2:30	$52.93	$52.93	$52.93	$52.93	42	0	24	200	314	402	0	419	272	402	-24	219	869	$3,599.24	$5,319.47	-$317.58	$2,897.92	########	$52.93	$52.93	$52.93	$52.93	$52.93	$52.93		4,987	23
2:45	$52.00	$52.00	$52.00	$52.00	42	0	24	200	301	351	0	382	259	351	-24	182	768	$3,367.00	$4,563.00	-$312.00	$2,366.00	$9,984.00	$52.00	$52.00	$52.00	$52.00	$52.00	$52.00		4,987	21
3:00	$53.01	$53.01	$53.01	$53.01	42	0	24	200	312	426	0	423	270	426	-24	223	895	$3,578.18	$5,645.57	-$318.06	$2,955.31	########	$53.01	$53.01	$53.01	$53.01	$53.01	$53.01		4,987	23
3:15	$56.14	$56.14	$56.14	$56.14	32	0	24	151	564	439	0	520	532	439	-24	369	1,316	$7,466.62	$6,161.37	-$336.84	$5,178.92	########	$56.14	$56.14	$56.14	$56.14	$56.14	$56.14		4,907	31
3:30	$55.01	$55.01	$55.01	$55.01	33	0	24	151	494	376	0	473	461	376	-24	322	1,135	$6,339.90	$5,170.94	-$330.06	$4,428.31	########	$55.01	$55.01	$55.01	$55.01	$55.01	$55.01		4,907	27
3:45	$53.30	$53.30	$53.30	$53.30	33	0	24	151	365	286	0	396	332	286	-24	245	839	$4,423.90	$3,810.95	-$319.80	$3,264.63	########	$53.30	$53.30	$53.30	$53.30	$53.30	$53.30		4,907	21
4:00	$52.37	$52.37	$52.37	$52.37	33	0	24	151	331	162	0	358	298	162	-24	207	643	$3,901.57	$2,120.99	-$314.22	$2,710.15	$8,418.48	$52.37	$52.37	$52.37	$52.37	$52.37	$52.37		4,907	17
4:15	$52.41	$52.41	$52.41	$52.41	37	0	24	199	333	208	0	125	296	208	-24	-74	406	$3,878.34	$2,725.32	-$314.46	-$969.59	$5,319.62	$52.41	$52.41	$52.41	$52.41	$52.41	$52.41		4,897	14
4:30	$53.01	$53.01	$53.01	$53.01	37	0	24	289	333	260	0	152	296	260	-24	-137	395	$3,922.74	$3,445.65	-$318.06	########	$5,234.74	$53.01	$53.01	$53.01	$53.01	$53.01	$53.01		4,897	15
4:45	$53.34	$53.34	$53.34	$53.34	37	0	24	289	384	333	0	166	347	333	-24	-123	533	$4,627.25	$4,440.56	-$320.04	########	$7,107.56	$53.34	$53.34	$53.34	$53.34	$53.34	$53.34		4,897	18
5:00	$53.38	$53.38	$53.38	$53.38	37	0	24	289	417	334	0	166	380	334	-24	-123	567	$5,071.10	$4,457.23	-$320.28	########	$7,566.62	$53.38	$53.38	$53.38	$53.38	$53.38	$53.38		4,897	19
5:15	$55.64	$55.64	$55.64	$55.64	46	108	24	200	527	410	0	306	481	302	-24	106	865	$6,690.71	$4,200.82	-$333.84	$1,474.46	########	$55.64	$55.64	$55.64	$55.64	$55.64	$55.64		4,790	26
5:30	$56.18	$56.18	$56.18	$56.18	45	103	24	200	543	440	0	532	498	337	-24	332	1,143	$6,994.41	$4,733.17	-$337.08	$4,662.94	########	$56.18	$56.18	$56.18	$56.18	$56.18	$56.18		4,790	32
5:45	$58.95	$58.95	$58.95	$58.95	40	67	24	200	732	708	0	682	692	641	-24	482	1,791	########	$9,446.74	-$353.70	$7,103.48	########	$58.95	$58.95	$58.95	$58.95	$58.95	$58.95		4,790	44
6:00	$57.76	$57.76	$57.76	$57.76	42	84	24	200	724	639	0	627	682	555	-24	427	1,640	$9,848.08	$8,014.20	-$346.56	$6,165.88	########	$57.76	$57.76	$57.76	$57.76	$57.76	$57.76		4,790	42
6:15	$51.30	$51.30	$51.30	$51.30	311	29	24	201	321	123	0	9	10	94	-24	-192	-112	$128.25	$1,205.55	-$307.80	########	########	$51.30	$51.30	$51.30	$51.30	$51.30	$51.30		4,307	11
6:30	$51.63	$51.63	$51.63	$51.63	310	17	24	289	383	128	0	10	73	111	-24	-279	-119	$942.25	$1,432.73	-$309.78	########	########	$51.63	$51.63	$51.63	$51.63	$51.63	$51.63		4,307	12
6:45	$54.40	$54.40	$54.40	$54.40	304	0	24	287	474	253	0	23	170	253	-24	-264	135	$2,312.00	$3,440.80	-$326.40	########	$1,836.00	$54.40	$54.40	$54.40	$54.40	$54.40	$54.40		4,307	17
7:00	$55.01	$55.01	$55.01	$55.01	303	0	24	286	610	265	0	27	307	265	-24	-259	289	$4,222.02	$3,644.41	-$330.06	########	$3,974.47	$55.01	$55.01	$55.01	$55.01	$55.01	$55.01		4,307	21
7:15	$55.01	$55.01	$55.01	$55.01	309	0	24	290	548	194	0	0	239	194	-24	-290	119	$3,286.85	$2,667.99	-$330.06	########	$1,636.55	$55.01	$55.01	$55.01	$55.01	$55.01	$55.01		4,332	17
7:30	$55.01	$55.01	$55.01	$55.01	309	0	24	290	497	194	0	0	188	194	-24	-290	68	$2,585.47	$2,667.99	-$330.06	########	$935.17	$55.01	$55.01	$55.01	$55.01	$55.01	$55.01		4,332	16
7:45	$56.27	$56.27	$56.27	$56.27	306	0	24	290	686	212	0	0	380	212	-24	-290	278	$5,345.65	$2,982.31	-$337.62	########	$3,910.77	$56.27	$56.27	$56.27	$56.27	$56.27	$56.27		4,332	21
8:00	$57.01	$57.01	$57.01	$57.01	305	0	24	289	700	301	0	0	395	301	-24	-289	383	$5,629.74	$4,290.00	-$342.06	########	$5,458.71	$57.01	$57.01	$57.01	$57.01	$57.01	$57.01		4,332	23
8:15	$57.08	$57.08	$57.08	$57.08	341	0	24	506	683	589	0	0	342	589	-24	-506	401	$4,880.34	$8,405.03	-$342.48	########	$5,722.27	$57.08	$57.08	$57.08	$57.08	$57.08	$57.08		4,673	27
8:30	$57.76	$57.76	$57.76	$57.76	338	0	24	505	884	605	0	0	546	605	-24	-505	622	$7,884.24	$8,736.20	-$346.56	########	$8,981.68	$57.76	$57.76	$57.76	$57.76	$57.76	$57.76		4,673	32
8:45	$60.75	$60.75	$60.75	$60.75	304	0	24	336	978	653	0	0	674	653	-24	-336	967	########	$9,917.44	-$364.50	########	########	$60.75	$60.75	$60.75	$60.75	$60.75	$60.75		4,673	35
9:00	$60.84	$60.84	$60.84	$60.84	303	0	24	315	978	654	0	0	675	654	-24	-315	990	########	$9,947.34	-$365.04	########	########	$60.84	$60.84	$60.84	$60.84	$60.84	$60.84		4,673	35
9:15	$60.07	$60.07	$60.07	$60.07	326	23	24	856	444	285	16	61	118	262	-8	-795	-423	$1,772.07	$3,934.59	-$120.14	########	########	$60.07	$60.07	$60.07	$60.07	$60.07	$60.07		4,123	20
9:30	$63.37	$63.37	$63.37	$63.37	140	58	24	785	429	372	18	78	289	314	-6	-707	-110	$4,578.48	$4,974.55	-$95.06	########	########	$63.37	$63.37	$63.37	$63.37	$63.37	$63.37		4,123	22
9:45	$66.54	$66.54	$66.54	$66.54	3	0	24	375	459	438	18	104	456	438	-6	-271	617	$7,585.56	$7,286.13	-$99.81	########	########	$66.54	$66.54	$66.54	$66.54	$66.54	$66.54		4,123	25
10:00	$68.73	$68.73	$68.73	$68.73	0	0	24	93	515	489	18	105	515	489	-6	12	1,010	$8,848.99	$8,402.24	-$103.10	$206.19	########	$68.73	$68.73	$68.73	$68.73	$68.73	$68.73		4,123	27
10:15	$66.49	$66.49	$66.49	$66.49	152	60	64	546	261	262	0	53	109	202	-64	-493	-246	$1,811.85	$3,357.75	########	########	########	$66.49	$66.49	$66.49	$66.49	$66.49	$66.49		4,578	13
10:30	$67.38	$67.38	$67.38	$67.38	24	27	64	255	248	305	0	57	224	278	-64	-198	240	$3,773.28	$4,682.91	########	########	$4,042.80	$67.38	$67.38	$67.38	$67.38	$67.38	$67.38		4,578	13
10:45	$70.36	$70.36	$70.36	$70.36	15	0	0	50	402	442	30	103	387	442	30	53	912	$6,807.33	$7,774.78	$527.70	$932.27	########	$70.36	$70.36	$70.36	$70.36	$70.36	$70.36		4,578	21
11:00	$75.41	$75.41	$75.41	$75.41	15	0	0	31	596	550	176	485	581	550	176	454	1,761	########	########	$3,318.04	$8,559.04	########	$75.41	$75.41	$75.41	$75.41	$75.41	$75.41		4,578	39
11:15	$70.34	$70.34	$70.34	$70.34	55	7	44	198	204	471	0	92	149	464	-44	-106	463	$2,620.17	$8,159.44	-$773.74	########	$8,141.86	$70.34	$70.34	$70.34	$70.34	$70.34	$70.34		4,576	17
11:30	$71.45	$71.45	$71.45	$71.45	30	0	0	108	203	822	8	210	173	822	8	102	1,105	$3,090.21	########	$142.90	$1,821.98	########	$71.45	$71.45	$71.45	$71.45	$71.45	$71.45		4,576	27
11:45	$72.97	$72.97	$72.97	$72.97	30	0	0	0	401	909	8	371	371	909	8	371	1,659	$6,767.97	########	$145.94	$6,767.97	########	$72.97	$72.97	$72.97	$72.97	$72.97	$72.97		4,576	37
12:00	$74.89	$74.89	$74.89	$74.89	30	0	0	0	578	936	8	483	548	936	8	483	1,975	########	########	$149.78	$9,042.97	########	$74.89	$74.89	$74.89	$74.89	$74.89	$74.89		4,576	44
12:15	$73.76	$73.76	$73.76	$73.76	126	0	46	0	208	989	0	416	82	989	-46	416	1,441	$1,512.08	########	-$848.24	$7,671.04	########	$73.76	$73.76	$73.76	$73.76	$73.76	$73.76		5,147	31
12:30	$77.83	$77.83	$77.83	$77.83	18	0	0	0	291	1,035	8	611	273	1,035	8	611	1,927	$5,311.90	########	$155.66	########	########	$77.83	$77.83	$77.83	$77.83	$77.83	$77.83		5,147	38
12:45	$83.29	$83.29	$83.29	$83.29	13	0	0	0	520	1,177	8	738	507	1,177	8	738	2,430	########	########	$166.58	########	########	$83.29	$83.29	$83.29	$83.29	$83.29	$83.29		5,147	47
13:00	$85.96	$85.96	$85.96	$85.96	13	0	0	0	616	1,371	8	922	603	1,371	8	922	2,904	########	########	$171.92	########	########	$85.96	$85.96	$85.96	$85.96	$85.96	$85.96		5,147	57
13:15	$82.01	$82.01	$82.01	$82.01	16	0	0	0	845	774	57	266	829	774	57	266	1,926	########	########	$1,168.64	$5,453.67	########	$82.01	$82.01	$82.01	$82.01	$82.01	$82.01		5,226	37
13:30	$84.64	$84.64	$84.64	$84.64	16	0	0	0	903	1,031	57	460	887	1,031	57	460	2,435	########	########	$1,206.12	$9,733.60	########	$84.64	$84.64	$84.64	$84.64	$84.64	$84.64		5,226	47
13:45	$87.76	$87.76	$87.76	$87.76	16	0	0	0	932	1,294	57	712	916	1,294	57	712	2,979	########	########	$1,250.58	########	########	$87.76	$87.76	$87.76	$87.76	$87.76	$87.76		5,226	57
14:00	$94.34	$94.34	$94.34	$94.34	15	0	0	0	953	1,291	57	1,119	938	1,291	57	1,119	3,405	########	########	$1,344.35	########	########	$94.34	$94.34	$94.34	$94.34	$94.34	$94.34		5,226	65
14:15	$91.37	$91.37	$91.37	$91.37	15	0	0	0	946	1,058	46	884	931	1,058	46	884	2,919	########	########	$1,050.76	########	########	$91.37	$91.37	$91.37	$91.37	$91.37	$91.37		4,817	61
14:30	$94.88	$94.88	$94.88	$94.88	15	0	0	0	999	1,390	46	903	984	1,390	46	903	3,323	########	########	$1,091.12	########	########	$94.88	$94.88	$94.88	$94.88	$94.88	$94.88		4,817	69
14:45	$200.00	$200.00	$200.00	$200.00	0	0	100	0	1,118	1,713	46	1,052	1,118	1,713	-54	1,052	3,829	########	########	########	########	########	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00		4,817	82
15:00	$124.79	$124.79	$124.79	$124.79	0	0	108	0	1,060	1,635	421	991	1,060	1,635	313	991	3,999	########	########	$9,764.82	########	########	$124.79	$124.79	$124.79	$124.79	$124.79	$124.79		4,817	85
15:15	$96.06	$96.06	$96.06	$96.06	15	0	2	0	1,050	1,223	415	887	1,035	1,223	413	887	3,558	########	########	$9,918.20	########	########	$96.06	$96.06	$96.06	$96.06	$96.06	$96.06		4,490	80
15:30	$147.37	$147.37	$147.37	$147.37	0	0	0	0	1,092	1,519	454	987	1,092	1,519	454	987	4,052	########	########	########	########	########	$147.37	$147.37	$147.37	$147.37	$147.37	$147.37		4,490	90
15:45	$121.52	$121.52	$121.52	$121.52	0	0	0	0	1,145	1,586	454	944	1,145	1,586	454	944	4,129	########	########	########	########	########	$121.52	$121.52	$121.52	$121.52	$121.52	$121.52		4,490	92
16:00	$106.67	$106.67	$106.67	$106.67	0	0	0	0	1,138	1,597	454	918	1,138	1,597	454	918	4,107	########	########	########	########	########	$106.67	$106.67	$106.67	$106.67	$106.67	$106.67		4,490	91
16:15	$107.78	$107.78	$107.78	$107.78	0	0	0	0	1,000	1,578	444	1,148	1,000	1,578	444	1,148	4,170	########	########	########	########	########	$107.78	$107.78	$107.78	$107.78	$107.78	$107.78		4,652	90
16:30	$101.00	$101.00	$101.00	$101.00	15	0	0	0	1,017	1,610	444	1,070	1,002	1,610	444	1,070	4,126	########	########	########	########	########	$101.00	$101.00	$101.00	$101.00	$101.00	$101.00		4,652	89
16:45	$104.46	$104.46	$104.46	$104.46	0	0	0	53	998	1,638	444	1,114	998	1,638	444	1,061	4,141	########	########	########	########	########	$104.46	$104.46	$104.46	$104.46	$104.46	$104.46		4,652	90
17:00	$96.43	$96.43	$96.43	$96.43	15	0	0	49	985	1,491	444	1,044	970	1,491	444	995	3,900	########	########	########	########	########	$96.43	$96.43	$96.43	$96.43	$96.43	$96.43		4,652	85
17:15	$88.48	$88.48	$88.48	$88.48	16	0	0	22	1,003	1,239	524	766	987	1,239	524	744	3,494	########	########	########	########	########	$88.48	$88.48	$88.48	$88.48	$88.48	$88.48		4,682	75
17:30	$86.63	$86.63	$86.63	$86.63	16	0	0	22	952	1,191	516	672	936	1,191	516	650	3,293	########	########	########	########	########	$86.63	$86.63	$86.63	$86.63	$86.63	$86.63		4,682	71
17:45	$84.48	$84.48	$84.48	$84.48	16	0	0	22	880	1,134	516	512	864	1,134	516	490	3,004	########	########	########	########	########	$84.48	$84.48	$84.48	$84.48	$84.48	$84.48		4,682	65
18:00	$83.18	$83.18	$83.18	$83.18	16	0	0	22	837	1,091	516	409	821	1,091	516	387	2,815	########	########	########	$8,047.67	########	$83.18	$83.18	$83.18	$83.18	$83.18	$83.18		4,682	61
18:15	$83.60	$83.60	$83.60	$83.60	16	0	0	0	1,008	1,133	542	631	992	1,133	542	631	3,298	########	########	########	########	########	$83.60	$83.60	$83.60	$83.60	$83.60	$83.60		4,939	67
18:30	$82.01	$82.01	$82.01	$82.01	16	0	0	0	953	1,067	565	486	937	1,067	565	486	3,055	########	########	########	$9,964.22	########	$82.01	$82.01	$82.01	$82.01	$82.01	$82.01		4,939	62
18:45	$80.85	$80.85	$80.85	$80.85	16	0	0	17	791	926	565	449	775	926	565	432	2,698	########	########	########	$8,731.80	########	$80.85	$80.85	$80.85	$80.85	$80.85	$80.85		4,939	55
19:00	$79.17	$79.17	$79.17	$79.17	16	0	0	16	588	758	565	424	572	758	565	408	2,303	########	########	########	$8,075.34	########	$79.17	$79.17	$79.17	$79.17	$79.17	$79.17		4,939	47
19:15	$85.42	$85.42	$85.42	$85.42	0	0	0	0	897	1,144	436	677	897	1,144	436	677	3,154	########	########	$9,310.78	########	########	$85.42	$85.42	$85.42	$85.42	$85.42	$85.42		5,997	53
19:30	$80.21	$80.21	$80.21	$80.21	0	0	0	0	608	878	430	453	608	878	430	453	2,369	########	########	$8,622.58	$9,083.78	########	$80.21	$80.21	$80.21	$80.21	$80.21	$80.21		5,997	40
19:45	$76.64	$76.64	$76.64	$76.64	123	0	73	0	481	677	223	352	358	677	150	352	1,537	$6,859.28	########	$2,874.00	$6,744.32	########	$76.64	$76.64	$76.64	$76.64	$76.64	$76.64		5,997	29
20:00	$75.62	$75.62	$75.62	$75.62	246	0	110	0	360	570	21	291	114	570	-89	291	886	$2,155.17	########	########	$5,501.36	########	$75.62	$75.62	$75.62	$75.62	$75.62	$75.62		5,997	21
20:15	$77.80	$77.80	$77.80	$77.80	18	0	16	0	474	507	0	379	456	507	-16	379	1,326	$8,869.20	$9,861.15	-$311.20	$7,371.55	########	$77.80	$77.80	$77.80	$77.80	$77.80	$77.80		5,863	23
20:30	$77.52	$77.52	$77.52	$77.52	27	0	25	0	471	394	0	386	444	394	-25	386	1,199	$8,604.72	$7,635.72	-$484.50	$7,480.68	########	$77.52	$77.52	$77.52	$77.52	$77.52	$77.52		5,863	21
20:45	$78.32	$78.32	$78.32	$78.32	10	0	4	0	586	424	0	425	576	424	-4	425	1,421	########	$8,301.92	-$78.32	$8,321.50	########	$78.32	$78.32	$78.32	$78.32	$78.32	$78.32		5,863	24
21:00	$80.21	$80.21	$80.21	$80.21	0	0	0	0	781	532	23	473	781	532	23	473	1,809	########	########	$461.21	$9,484.83	########	$80.21	$80.21	$80.21	$80.21	$80.21	$80.21		5,863	31
21:15	$79.64	$79.64	$79.64	$79.64	0	0	0	0	784	517	2	958	784	517	2	958	2,261	########	########	$39.82	########	########	$79.64	$79.64	$79.64	$79.64	$79.64	$79.64		5,601	40
21:30	$76.90	$76.90	$76.90	$76.90	29	0	61	0	478	398	0	829	449	398	-61	829	1,615	$8,632.03	$7,651.55	########	########	########	$76.90	$76.90	$76.90	$76.90	$76.90	$76.90		5,601	30
21:45	$72.00	$72.00	$72.00	$72.00	29	0	242	0	164	356	0	554	135	356	-242	554	803	$2,430.00	$6,408.00	########	$9,972.00	########	$72.00	$72.00	$72.00	$72.00	$72.00	$72.00		5,601	19
22:00	$68.22	$68.22	$68.22	$68.22	261	15	378	284	26	293	0	405	-235	278	-378	121	-214	########	$4,741.29	########	$2,063.66	########	$68.22	$68.22	$68.22	$68.22	$68.22	$68.22		5,601	13
22:15	$79.08	$79.08	$79.08	$79.08	0	0	0	0	1,447	541	50	1,504	1,447	541	50	1,504	3,542	########	########	$988.50	########	########	$79.08	$79.08	$79.08	$79.08	$79.08	$79.08		6,969	51
22:30	$74.16	$74.16	$74.16	$74.16	0	0	127	0	1,421	471	0	814	1,421	471	-127	814	2,579	########	$8,732.34	########	########	########	$74.16	$74.16	$74.16	$74.16	$74.16	$74.16		6,969	39
22:45	$69.72	$69.72	$69.72	$69.72	398	19	280	5	1,248	414	0	661	850	395	-280	656	1,621	########	$6,884.85	########	########	########	$69.72	$69.72	$69.72	$69.72	$69.72	$69.72		6,969	33
23:00	$66.43	$66.43	$66.43	$66.43	695	113	397	61	1,007	349	0	648	312	236	-397	587	738	$5,181.54	$3,919.37	########	$9,748.60	########	$66.43	$66.43	$66.43	$66.43	$66.43	$66.43		6,969	29
23:15	$72.99	$72.99	$72.99	$72.99	183	0	18	0	1,395	475	93	814	1,212	475	75	814	2,576	########	$8,667.56	$1,368.56	########	########	$72.99	$72.99	$72.99	$72.99	$72.99	$72.99		5,979	46
23:30	$69.60	$69.60	$69.60	$69.60	433	0	168	0	1,041	449	93	768	608	449	-75	768	1,750	########	$7,812.60	########	########	########	$69.60	$69.60	$69.60	$69.60	$69.60	$69.60		5,979	39
23:45	$64.02	$64.02	$64.02	$64.02	794	136	217	192	976	388	93	724	182	252	-124	532	842	$2,912.91	$4,033.26	########	$8,514.66	########	$64.02	$64.02	$64.02	$64.02	$64.02	$64.02		5,979	36
0:00	$58.08	$58.08	$58.08	$58.08	863	271	217	364	871	311	68	580	8	40	-149	216	115	$116.16	$580.80	########	$3,136.32	$1,669.80	$58.08	$58.08	$58.08	$58.08	$58.08	$58.08		5,979	31

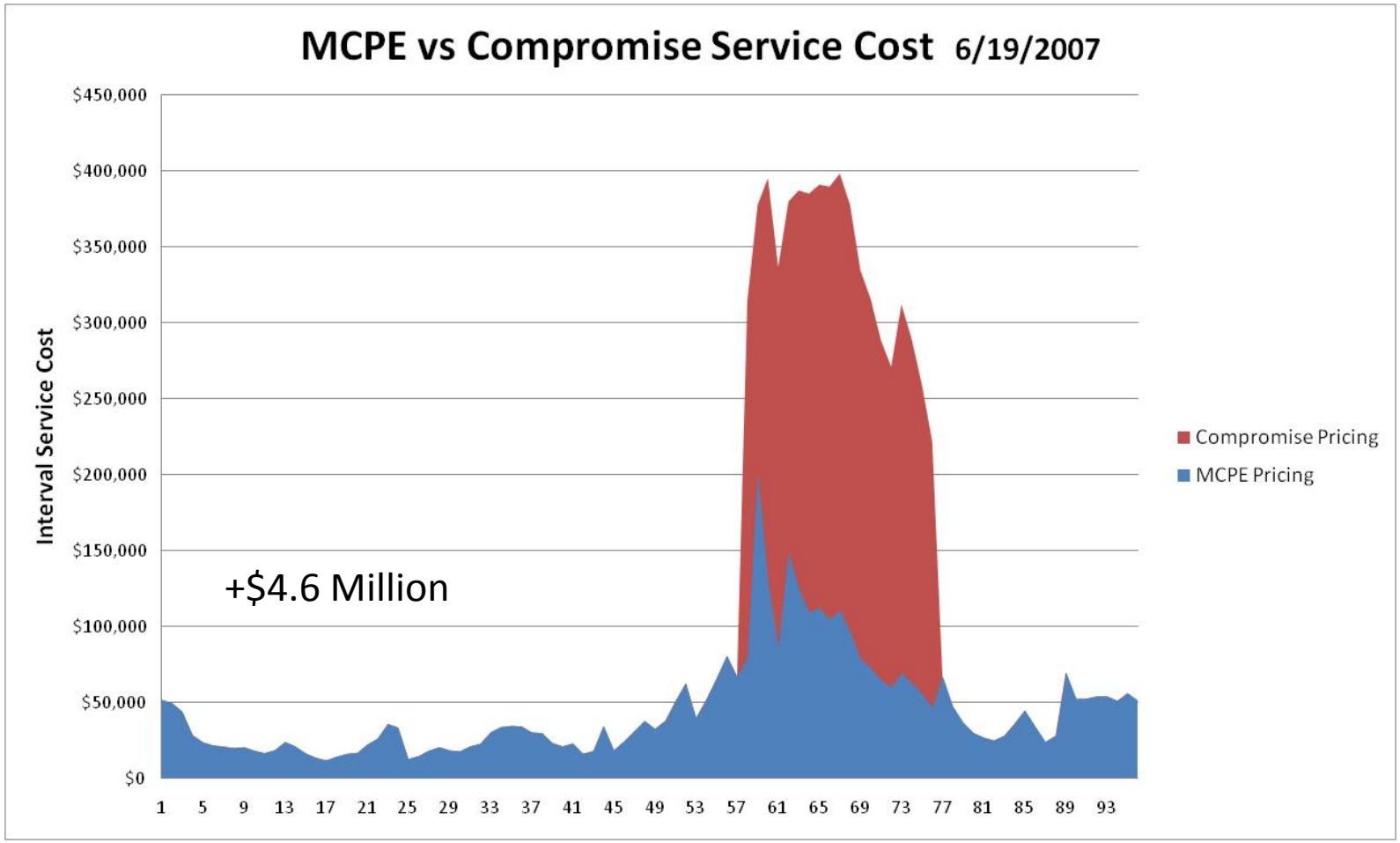
June 19, 2007


BES History June 18, 2007
Advisory
Alert
BES and NSRS, MW
MCPE, $/MWh
5,000
4,000
3,000
2,000
1,000
0
-1,000
-2,000
$250.00
$200.00
$150.00
$100.00
$50.00
$0.00
-$50.00
-$100.00
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
H
W
S
N
Net Total
MCPE

Pricing Comparison
6/19/2007



BES Cost Comparison
6/19/2007



June 24, 2007

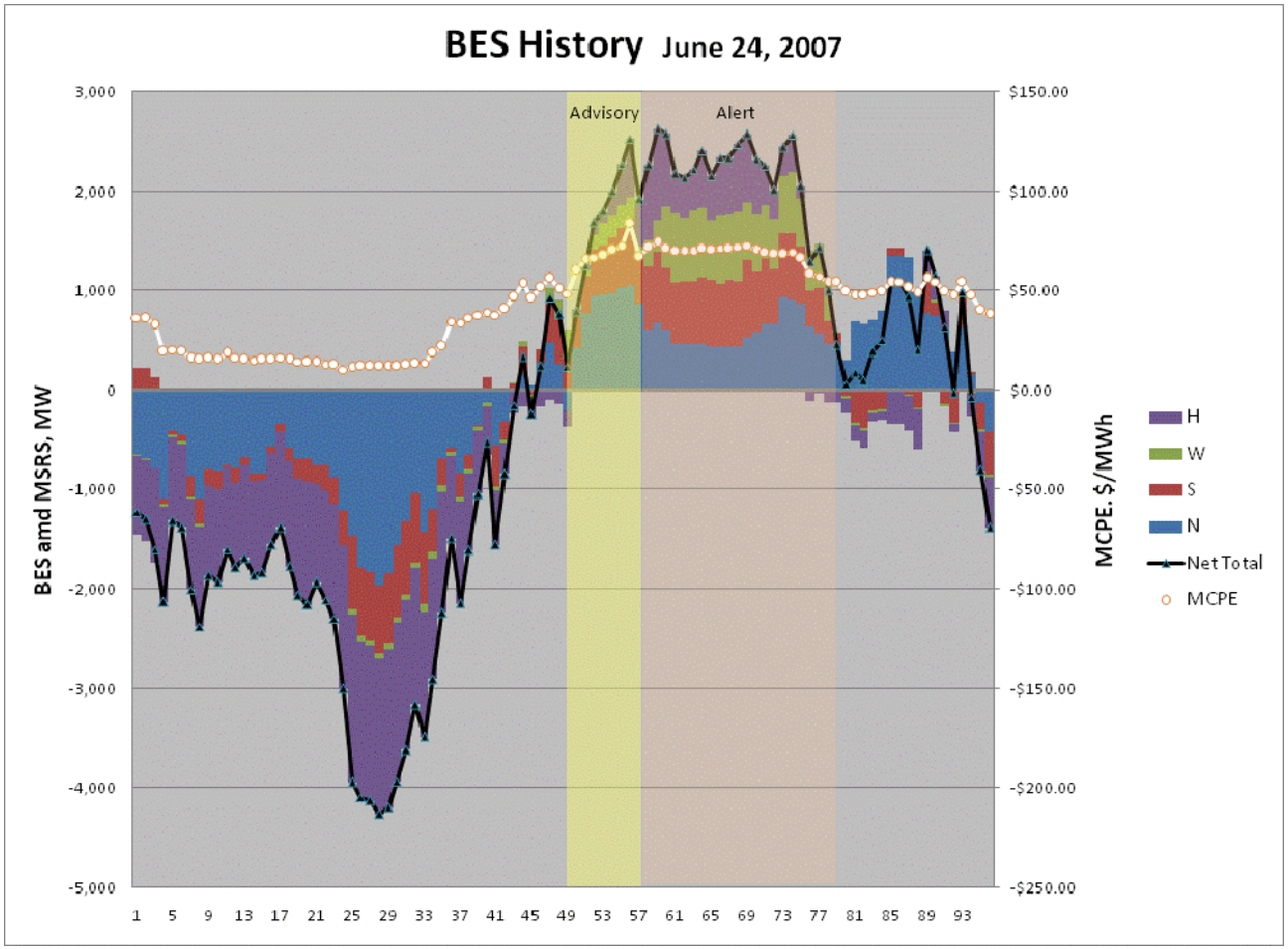
Balancing Energy Information for Mark 24-Jun-07

Interval Ending	MCPE Results – Price				BES Deployments – DBES MW				BES Deployments – UBES MW			
24-Jun-07	N	S	W	H	N	S	W	H	N	S	W	H
0:15	$36.54	$36.54	$36.54	$36.54	662	99	24	790	10	327	11	0
0:30	$36.30	$36.30	$36.30	$36.30	693	106	24	816	0	324	11	0
0:45	$32.91	$32.91	$32.91	$32.91	776	130	24	950	0	265	11	0
1:00	$19.27	$19.27	$19.27	$19.27	1,096	165	24	966	0	116	0	0
1:15	$20.50	$20.50	$20.50	$20.50	665	219	24	840	253	185	0	0
1:30	$19.29	$19.29	$19.29	$19.29	646	256	24	840	203	185	0	0
1:45	$16.26	$16.26	$16.26	$16.26	868	312	24	907	0	107	0	0
2:00	$15.49	$15.49	$15.49	$15.49	1,093	332	24	1,009	0	76	0	0
2:15	$15.86	$15.86	$15.86	$15.86	793	290	0	907	0	122	0	0
2:30	$15.49	$15.49	$15.49	$15.49	806	299	0	942	0	112	0	0
2:45	$18.59	$18.59	$18.59	$18.59	760	239	0	815	0	211	0	0
3:00	$16.37	$16.37	$16.37	$16.37	788	278	0	851	0	135	0	0
3:15	$15.34	$15.34	$15.34	$15.34	680	276	0	936	0	206	0	0
3:30	$15.10	$15.10	$15.10	$15.10	836	278	0	956	0	203	0	0
3:45	$15.34	$15.34	$15.34	$15.34	830	276	0	936	0	206	0	0
4:00	$15.51	$15.51	$15.51	$15.51	612	274	0	916	41	208	0	0
4:15	$16.30	$16.30	$16.30	$16.30	574	226	0	952	235	139	0	0
4:30	$15.36	$15.36	$15.36	$15.36	584	249	0	1,059	9	115	0	0
4:45	$14.36	$14.36	$14.36	$14.36	688	272	0	1,179	0	72	0	0
5:00	$13.99	$13.99	$13.99	$13.99	689	289	0	1,237	0	56	0	0
5:15	$13.99	$13.99	$13.99	$13.99	762	239	0	987	0	58	0	0
5:30	$13.04	$13.04	$13.04	$13.04	762	259	0	1,102	0	11	0	0
5:45	$12.65	$12.65	$12.65	$12.65	877	273	0	1,159	0	8	0	0
6:00	$10.46	$10.46	$10.46	$10.46	1,209	362	0	1,442	0	8	0	0
6:15	$11.48	$11.48	$11.48	$11.48	1,463	772	57	1,683	0	35	0	0
6:30	$12.17	$12.17	$12.17	$12.17	1,793	744	56	1,571	0	68	0	0
6:45	$12.17	$12.17	$12.17	$12.17	1,862	744	56	1,571	31	68	0	0
7:00	$12.17	$12.17	$12.17	$12.17	1,996	744	56	1,571	31	68	0	0
7:15	$12.17	$12.17	$12.17	$12.17	1,863	709	56	1,598	21	6	0	0
7:30	$12.17	$12.17	$12.17	$12.17	1,583	724	56	1,598	21	6	0	0
7:45	$12.65	$12.65	$12.65	$12.65	1,344	735	55	1,509	21	6	0	0
8:00	$13.26	$13.26	$13.26	$13.26	1,054	724	54	1,369	21	19	0	0
8:15	$13.74	$13.74	$13.74	$13.74	1,452	770	74	1,260	21	45	0	0
8:30	$18.89	$18.89	$18.89	$18.89	1,218	628	66	1,218	21	203	0	0
8:45	$22.27	$22.27	$22.27	$22.27	939	566	60	1,217	253	293	0	0
9:00	$34.44	$34.44	$34.44	$34.44	833	537	45	826	258	491	0	0
9:15	$33.88	$33.88	$33.88	$33.88	1,066	564	45	1,026	226	325	0	0
9:30	$36.45	$36.45	$36.45	$36.45	868	526	43	769	226	370	0	0
9:45	$37.79	$37.79	$37.79	$37.79	573	410	41	633	226	389	0	0
10:00	$39.12	$39.12	$39.12	$39.12	348	285	40	493	226	414	0	0
10:15	$37.90	$37.90	$37.90	$37.90	719	516	41	546	162	100	0	0
10:30	$40.78	$40.78	$40.78	$40.78	475	319	38	307	162	136	0	0
10:45	$46.97	$46.97	$46.97	$46.97	173	159	20	221	163	225	30	0
11:00	$53.53	$53.53	$53.53	$53.53	137	35	20	198	303	304	82	35
11:15	$46.25	$46.25	$46.25	$46.25	159	163	20	229	206	117	0	8
11:30	$51.49	$51.49	$51.49	$51.49	78	36	20	207	348	173	0	62
11:45	$56.28	$56.69	$66.88	$56.33	16	0	0	167	492	388	163	72
12:00	$50.11	$58.94	$281.84	$51.11	93	0	0	207	361	438	195	72
12:15	$47.49	$56.52	$284.60	$48.52	300	28	0	210	92	341	293	45
12:30	$60.36	$60.36	$60.36	$60.36	24	0	20	16	443	361	0	45
12:45	$65.66	$65.66	$65.66	$65.66	23	0	0	0	790	381	53	52
13:00	$66.72	$66.72	$66.72	$66.72	23	0	0	0	965	468	153	130
13:15	$67.58	$67.58	$67.58	$67.58	37	0	0	0	1,002	494	223	114
13:30	$70.35	$70.35	$70.35	$70.35	37	0	0	0	1,010	561	223	237
13:45	$72.78	$72.78	$72.78	$72.78	10	0	0	0	1,036	603	223	421
14:00	$83.73	$83.73	$83.73	$83.73	0	0	0	0	1,050	668	223	584
14:15	$67.13	$67.13	$67.13	$67.13	38	0	0	0	898	467	117	469
14:30	$71.53	$71.53	$71.53	$71.53	38	0	0	0	648	635	270	747
14:45	$74.49	$74.49	$74.49	$74.49	0	0	0	0	674	717	317	918
15:00	$71.23	$71.23	$71.23	$71.23	38	0	0	0	648	624	611	731
15:15	$69.59	$69.59	$69.59	$69.59	44	0	0	0	512	618	697	388
15:30	$69.62	$69.62	$69.62	$69.62	44	0	0	0	512	620	651	391
15:45	$69.83	$69.83	$69.83	$69.83	44	0	0	0	512	627	707	415
16:00	$71.04	$71.04	$71.04	$71.04	44	0	0	0	512	673	692	574
16:15	$70.22	$70.22	$70.22	$70.22	44	0	0	0	483	664	612	436
16:30	$71.37	$71.37	$71.37	$71.37	44	0	0	0	483	624	687	588
16:45	$71.21	$71.21	$71.21	$71.21	44	0	0	0	483	675	647	568
17:00	$71.99	$71.99	$71.99	$71.99	44	0	0	0	484	649	708	678
17:15	$72.78	$72.78	$72.78	$72.78	11	0	0	0	546	770	585	682
17:30	$70.52	$70.52	$70.52	$70.52	40	0	0	0	620	607	575	559
17:45	$69.06	$69.06	$69.06	$69.06	40	0	0	0	700	666	527	405
18:00	$68.29	$68.29	$68.29	$68.29	40	0	0	0	700	561	503	284
18:15	$68.45	$68.45	$68.45	$68.45	39	0	0	0	967	647	575	294
18:30	$69.37	$69.37	$69.37	$69.37	39	0	0	0	947	671	620	367
18:45	$66.36	$66.36	$66.36	$66.36	39	0	0	0	901	584	478	127
19:00	$58.21	$58.21	$58.21	$58.21	94	16	20	153	726	388	415	45
19:15	$57.27	$57.27	$57.27	$57.27	331	4	20	210	907	459	457	173
19:30	$54.40	$54.40	$54.40	$54.40	362	67	20	298	823	304	450	171
19:45	$54.13	$54.13	$54.13	$54.13	362	70	20	298	823	178	34	171
20:00	$49.37	$49.37	$49.37	$49.37	443	120	20	308	743	59	0	151
20:15	$47.69	$47.69	$47.69	$47.69	223	365	20	315	914	38	0	145
20:30	$47.69	$47.69	$47.69	$47.69	222	425	20	315	888	38	0	145
20:45	$49.30	$49.30	$49.30	$49.30	210	300	20	307	915	88	0	223
21:00	$49.37	$49.37	$49.37	$49.37	192	299	20	307	997	101	0	223
21:15	$54.48	$54.48	$54.48	$54.48	92	152	24	566	1,443	232	0	256
21:30	$54.51	$54.51	$54.51	$54.51	92	151	24	566	1,444	234	0	256
21:45	$51.64	$51.64	$51.64	$51.64	95	204	24	593	1,437	165	0	255
22:00	$48.98	$48.98	$48.98	$48.98	145	235	24	610	1,144	61	0	207
22:15	$56.24	$56.24	$56.24	$56.24	24	144	24	292	791	458	57	586
22:30	$54.51	$54.51	$54.51	$54.51	30	184	24	340	781	312	51	576
22:45	$49.59	$49.59	$49.59	$49.59	113	288	24	350	731	152	0	527
23:00	$47.49	$47.49	$47.49	$47.49	143	441	24	350	532	119	0	276
23:15	$54.40	$54.40	$54.40	$54.40	21	37	26	340	646	334	49	382
23:30	$47.69	$47.69	$47.69	$47.69	92	167	26	350	251	185	0	123
23:45	$40.08	$40.08	$40.08	$40.08	270	370	33	425	140	111	0	42
0:00	$38.29	$38.29	$38.29	$38.29	507	521	34	546	90	93	0	42

Interval Ending	Net BES MW (UBES - DBES)					BES Cost ($) – Net BES (MWh) x MCPE				
24-Jun-07	N	S	W	H	ALL ZONES	N	S	W	H	ALL ZONES
0:15	-652	228	-13	-790	-1,227	########	$2,082.78	-$118.76	########	########
0:30	-693	218	-13	-816	-1,304	########	$1,978.35	-$117.98	########	########
0:45	-776	135	-13	-950	-1,604	########	$1,110.71	-$106.96	########	########
1:00	-1,096	-49	-24	-966	-2,135	########	-$236.06	-$115.62	########	########
1:15	-412	-34	-24	-840	-1,310	########	-$174.25	-$123.00	########	########
1:30	-443	-71	-24	-840	-1,378	########	-$342.40	-$115.74	########	########
1:45	-868	-205	-24	-907	-2,004	########	-$833.33	-$97.56	########	########
2:00	-1,093	-256	-24	-1,009	-2,382	########	-$991.36	-$92.94	########	########
2:15	-793	-168	0	-907	-1,868	########	-$666.12	$0.00	########	########
2:30	-806	-187	0	-942	-1,935	########	-$724.16	$0.00	########	########
2:45	-760	-28	0	-815	-1,603	########	-$130.13	$0.00	########	########
3:00	-788	-143	0	-851	-1,782	########	-$585.23	$0.00	########	########
3:15	-680	-70	0	-936	-1,686	########	-$268.45	$0.00	########	########
3:30	-836	-75	0	-956	-1,867	########	-$283.13	$0.00	########	########
3:45	-830	-70	0	-936	-1,836	########	-$268.45	$0.00	########	########
4:00	-571	-66	0	-916	-1,553	########	-$255.92	$0.00	########	########
4:15	-339	-87	0	-952	-1,378	########	-$354.53	$0.00	########	########
4:30	-575	-134	0	-1,059	-1,768	########	-$514.56	$0.00	########	########
4:45	-688	-200	0	-1,179	-2,067	########	-$718.00	$0.00	########	########
5:00	-689	-233	0	-1,237	-2,159	########	-$814.92	$0.00	########	########
5:15	-762	-181	0	-987	-1,930	########	-$633.05	$0.00	########	########
5:30	-762	-248	0	-1,102	-2,112	########	-$808.48	$0.00	########	########
5:45	-877	-265	0	-1,159	-2,301	########	-$838.06	$0.00	########	########
6:00	-1,209	-354	0	-1,442	-3,005	########	-$925.71	$0.00	########	########
6:15	-1,463	-737	-57	-1,683	-3,940	########	########	-$163.59	########	########
6:30	-1,793	-676	-56	-1,571	-4,096	########	########	-$170.38	########	########
6:45	-1,831	-676	-56	-1,571	-4,134	########	########	-$170.38	########	########
7:00	-1,965	-676	-56	-1,571	-4,268	########	########	-$170.38	########	########
7:15	-1,842	-703	-56	-1,598	-4,199	########	########	-$170.38	########	########
7:30	-1,562	-718	-56	-1,598	-3,934	########	########	-$170.38	########	########
7:45	-1,323	-729	-55	-1,509	-3,616	########	########	-$173.94	########	########
8:00	-1,033	-705	-54	-1,369	-3,161	########	########	-$179.01	########	########
8:15	-1,431	-725	-74	-1,260	-3,490	########	########	-$254.19	########	########
8:30	-1,197	-425	-66	-1,218	-2,906	########	########	-$311.69	########	########
8:45	-686	-273	-60	-1,217	-2,236	########	########	-$334.05	########	########
9:00	-575	-46	-45	-826	-1,492	########	-$396.06	-$387.45	########	########
9:15	-840	-239	-45	-1,026	-2,150	########	########	-$381.15	########	########
9:30	-642	-156	-43	-769	-1,610	########	########	-$391.84	########	########
9:45	-347	-21	-41	-633	-1,042	########	-$198.40	-$387.35	########	########
10:00	-122	129	-40	-493	-526	########	$1,261.62	-$391.20	########	########
10:15	-557	-416	-41	-546	-1,560	########	########	-$388.48	########	########
10:30	-313	-183	-38	-307	-841	########	########	-$387.41	########	########
10:45	-10	66	10	-221	-155	-$117.43	$775.01	$117.43	########	########
11:00	166	269	62	-163	334	$2,221.50	$3,599.89	$829.72	########	$4,469.76
11:15	47	-46	-20	-221	-240	$543.44	-$531.88	-$231.25	########	########
11:30	270	137	-20	-145	242	$3,475.58	$1,763.53	-$257.45	########	$3,115.15
11:45	476	388	163	-95	932	$6,697.32	$5,498.93	$2,725.36	########	########
12:00	268	438	195	-135	766	$3,357.37	$6,453.93	########	########	########
12:15	-208	313	293	-165	233	########	$4,422.69	########	########	########
12:30	419	361	-20	29	789	$6,322.71	$5,447.49	-$301.80	$437.61	########
12:45	767	381	53	52	1,253	########	$6,254.12	$870.00	$853.58	########
13:00	942	468	153	130	1,693	########	$7,806.24	$2,552.04	$2,168.40	########
13:15	965	494	223	114	1,796	########	$8,346.13	$3,767.59	$1,926.03	########
13:30	973	561	223	237	1,994	########	$9,866.59	$3,922.01	$4,168.24	########
13:45	1,026	603	223	421	2,273	########	########	$4,057.49	$7,660.10	########
14:00	1,050	668	223	584	2,525	########	########	$4,667.95	########	########
14:15	860	467	117	469	1,913	########	$7,837.43	$1,963.55	$7,870.99	########
14:30	610	635	270	747	2,262	########	########	$4,828.28	########	########
14:45	674	717	317	918	2,626	########	########	$5,903.33	########	########
15:00	610	624	611	731	2,576	########	########	########	########	########
15:15	468	618	697	388	2,171	$8,142.03	########	########	$6,750.23	########
15:30	468	620	651	391	2,130	$8,145.54	########	########	$6,805.36	########
15:45	468	627	707	415	2,217	$8,170.11	########	########	$7,244.86	########
16:00	468	673	692	574	2,407	$8,311.68	########	########	########	########
16:15	439	664	612	436	2,151	$7,706.65	########	########	$7,653.98	########
16:30	439	624	687	588	2,338	$7,832.86	########	########	########	########
16:45	439	675	647	568	2,329	$7,815.30	########	########	########	########
17:00	440	649	708	678	2,475	$7,918.90	########	########	########	########
17:15	535	770	585	682	2,572	$9,734.33	########	########	########	########
17:30	580	607	575	559	2,321	########	########	########	$9,855.17	########
17:45	660	666	527	405	2,258	########	########	$9,098.66	$6,992.33	########
18:00	660	561	503	284	2,008	########	$9,577.67	$8,587.47	$4,848.59	########
18:15	928	647	575	294	2,444	########	########	$9,839.69	$5,031.08	########
18:30	908	671	620	367	2,566	########	########	########	$6,364.70	########
18:45	862	584	478	127	2,051	########	$9,688.56	$7,930.02	$2,106.93	########
19:00	632	372	395	-108	1,291	$9,197.18	$5,413.53	$5,748.24	########	########
19:15	576	455	437	-37	1,431	$8,246.88	$6,514.46	$6,256.75	-$529.75	########
19:30	461	237	430	-127	1,001	$6,269.60	$3,223.20	$5,848.00	########	########
19:45	461	108	14	-127	456	$6,238.48	$1,461.51	$189.46	########	$6,170.82
20:00	300	-61	-20	-157	62	$3,702.75	-$752.89	-$246.85	########	$765.24
20:15	691	-327	-20	-170	174	$8,238.45	########	-$238.45	########	$2,074.52
20:30	666	-387	-20	-170	89	$7,940.39	########	-$238.45	########	$1,061.10
20:45	705	-212	-20	-84	389	$8,689.13	########	-$246.50	########	$4,794.43
21:00	805	-198	-20	-84	503	$9,935.71	########	-$246.85	########	$6,208.28
21:15	1,351	80	-24	-310	1,097	########	$1,089.60	-$326.88	########	########
21:30	1,352	83	-24	-310	1,101	########	$1,131.08	-$327.06	########	########
21:45	1,342	-39	-24	-338	941	########	-$503.49	-$309.84	########	########
22:00	999	-174	-24	-403	398	########	########	-$293.88	########	$4,873.51
22:15	767	314	33	294	1,408	########	$4,414.84	$463.98	$4,133.64	########
22:30	751	128	27	236	1,142	########	$1,744.32	$367.94	$3,216.09	########
22:45	618	-136	-24	177	635	$7,661.66	########	-$297.54	$2,194.36	$7,872.41
23:00	389	-322	-24	-74	-31	$4,618.40	########	-$284.94	-$878.57	-$368.05
23:15	625	297	23	42	987	$8,500.00	$4,039.20	$312.80	$571.20	########
23:30	159	18	-26	-227	-76	$1,895.68	$214.61	-$309.99	########	-$906.11
23:45	-130	-259	-33	-383	-805	########	########	-$330.66	########	########
0:00	-417	-428	-34	-504	-1,383	########	########	-$325.47	########	########

Interval Ending	Trading Hub Prices – Price						NSRS – MW		NSRS – %
24-Jun-07	N	S	W	H	ERCOT Hub Average	ERCOT Bus Average	NSRS Deployed	Total UBES Bid	UBES Awarded
0:15	$36.54	$36.54	$36.54	$36.54	$36.54	$36.54		2,716	13
0:30	$36.30	$36.30	$36.30	$36.30	$36.30	$36.30		2,716	12
0:45	$32.91	$32.91	$32.91	$32.91	$32.91	$32.91		2,716	10
1:00	$19.27	$19.27	$19.27	$19.27	$19.27	$19.27		2,716	4
1:15	$20.50	$20.50	$20.50	$20.50	$20.50	$20.50		3,659	12
1:30	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		3,659	11
1:45	$16.26	$16.26	$16.26	$16.26	$16.26	$16.26		3,659	3
2:00	$15.49	$15.49	$15.49	$15.49	$15.49	$15.49		3,659	2
2:15	$15.86	$15.86	$15.86	$15.86	$15.86	$15.86		3,802	3
2:30	$15.49	$15.49	$15.49	$15.49	$15.49	$15.49		3,802	3
2:45	$18.59	$18.59	$18.59	$18.59	$18.59	$18.59		3,802	6
3:00	$16.37	$16.37	$16.37	$16.37	$16.37	$16.37		3,802	4
3:15	$15.34	$15.34	$15.34	$15.34	$15.34	$15.34		4,228	5
3:30	$15.10	$15.10	$15.10	$15.10	$15.10	$15.10		4,228	5
3:45	$15.34	$15.34	$15.34	$15.34	$15.34	$15.34		4,228	5
4:00	$15.51	$15.51	$15.51	$15.51	$15.51	$15.51		4,228	6
4:15	$16.30	$16.30	$16.30	$16.30	$16.30	$16.30		4,398	9
4:30	$15.36	$15.36	$15.36	$15.36	$15.36	$15.36		4,398	3
4:45	$14.36	$14.36	$14.36	$14.36	$14.36	$14.36		4,398	2
5:00	$13.99	$13.99	$13.99	$13.99	$13.99	$13.99		4,398	1
5:15	$13.99	$13.99	$13.99	$13.99	$13.99	$13.99		4,341	1
5:30	$13.04	$13.04	$13.04	$13.04	$13.04	$13.04		4,341	0
5:45	$12.65	$12.65	$12.65	$12.65	$12.65	$12.65		4,341	0
6:00	$10.46	$10.46	$10.46	$10.46	$10.46	$10.46		4,341	0
6:15	$11.48	$11.48	$11.48	$11.48	$11.48	$11.48		4,487	1
6:30	$12.17	$12.17	$12.17	$12.17	$12.17	$12.17		4,487	2
6:45	$12.17	$12.17	$12.17	$12.17	$12.17	$12.17		4,487	2
7:00	$12.17	$12.17	$12.17	$12.17	$12.17	$12.17		4,487	2
7:15	$12.17	$12.17	$12.17	$12.17	$12.17	$12.17		4,389	1
7:30	$12.17	$12.17	$12.17	$12.17	$12.17	$12.17		4,389	1
7:45	$12.65	$12.65	$12.65	$12.65	$12.65	$12.65		4,389	1
8:00	$13.26	$13.26	$13.26	$13.26	$13.26	$13.26		4,389	1
8:15	$13.74	$13.74	$13.74	$13.74	$13.74	$13.74		3,779	2
8:30	$18.89	$18.89	$18.89	$18.89	$18.89	$18.89		3,779	6
8:45	$22.27	$22.27	$22.27	$22.27	$22.27	$22.27		3,779	14
9:00	$34.44	$34.44	$34.44	$34.44	$34.44	$34.44		3,779	20
9:15	$33.88	$33.88	$33.88	$33.88	$33.88	$33.88		3,486	16
9:30	$36.45	$36.45	$36.45	$36.45	$36.45	$36.45		3,486	17
9:45	$37.79	$37.79	$37.79	$37.79	$37.79	$37.79		3,486	18
10:00	$39.12	$39.12	$39.12	$39.12	$39.12	$39.12		3,486	18
10:15	$37.90	$37.90	$37.90	$37.90	$37.90	$37.90		3,716	7
10:30	$40.78	$40.78	$40.78	$40.78	$40.78	$40.78		3,716	8
10:45	$46.97	$46.97	$46.97	$46.97	$46.97	$46.97		3,716	11
11:00	$53.53	$53.53	$53.53	$53.53	$53.53	$53.53		3,716	19
11:15	$46.25	$46.25	$46.25	$46.25	$46.25	$46.25		4,149	8
11:30	$51.49	$51.49	$51.49	$51.49	$51.49	$51.49		4,149	14
11:45	$56.28	$56.69	$66.25	$56.33	$58.89	$57.48		4,149	27
12:00	$50.11	$58.94	$268.17	$51.06	$107.01	$76.22		4,149	26
12:15	$47.49	$56.52	$270.61	$48.47	$105.71	$74.21		4,311	18
12:30	$60.36	$60.36	$60.36	$60.36	$60.36	$60.36		4,311	20
12:45	$65.66	$65.66	$65.66	$65.66	$65.66	$65.66		4,311	30
13:00	$66.72	$66.72	$66.72	$66.72	$66.72	$66.72		4,311	40
13:15	$67.58	$67.58	$67.58	$67.58	$67.58	$67.58		3,777	49
13:30	$70.35	$70.35	$70.35	$70.35	$70.35	$70.35		3,777	54
13:45	$72.78	$72.78	$72.78	$72.78	$72.78	$72.78		3,777	60
14:00	$83.73	$83.73	$83.73	$83.73	$83.73	$83.73		3,777	67
14:15	$67.13	$67.13	$67.13	$67.13	$67.13	$67.13		4,147	47
14:30	$71.53	$71.53	$71.53	$71.53	$71.53	$71.53		4,147	55
14:45	$74.49	$74.49	$74.49	$74.49	$74.49	$74.49		4,147	63
15:00	$71.23	$71.23	$71.23	$71.23	$71.23	$71.23		4,147	63
15:15	$69.59	$69.59	$69.59	$69.59	$69.59	$69.59		3,965	56
15:30	$69.62	$69.62	$69.62	$69.62	$69.62	$69.62		3,965	55
15:45	$69.83	$69.83	$69.83	$69.83	$69.83	$69.83		3,965	57
16:00	$71.04	$71.04	$71.04	$71.04	$71.04	$71.04		3,965	62
16:15	$70.22	$70.22	$70.22	$70.22	$70.22	$70.22		4,088	54
16:30	$71.37	$71.37	$71.37	$71.37	$71.37	$71.37		4,088	58
16:45	$71.21	$71.21	$71.21	$71.21	$71.21	$71.21		4,088	58
17:00	$71.99	$71.99	$71.99	$71.99	$71.99	$71.99		4,088	62
17:15	$72.78	$72.78	$72.78	$72.78	$72.78	$72.78		3,785	68
17:30	$70.52	$70.52	$70.52	$70.52	$70.52	$70.52		3,785	62
17:45	$69.06	$69.06	$69.06	$69.06	$69.06	$69.06		3,785	61
18:00	$68.29	$68.29	$68.29	$68.29	$68.29	$68.29		3,785	54
18:15	$68.45	$68.45	$68.45	$68.45	$68.45	$68.45		3,733	67
18:30	$69.37	$69.37	$69.37	$69.37	$69.37	$69.37		3,733	70
18:45	$66.36	$66.36	$66.36	$66.36	$66.36	$66.36		3,733	56
19:00	$58.21	$58.21	$58.21	$58.21	$58.21	$58.21		3,733	42
19:15	$57.27	$57.27	$57.27	$57.27	$57.27	$57.27		4,393	45
19:30	$54.40	$54.40	$54.40	$54.40	$54.40	$54.40		4,393	40
19:45	$54.13	$54.13	$54.13	$54.13	$54.13	$54.13		4,393	27
20:00	$49.37	$49.37	$49.37	$49.37	$49.37	$49.37		4,393	22
20:15	$47.69	$47.69	$47.69	$47.69	$47.69	$47.69		4,822	23
20:30	$47.69	$47.69	$47.69	$47.69	$47.69	$47.69		4,822	22
20:45	$49.30	$49.30	$49.30	$49.30	$49.30	$49.30		4,822	25
21:00	$49.37	$49.37	$49.37	$49.37	$49.37	$49.37		4,822	27
21:15	$54.48	$54.48	$54.48	$54.48	$54.48	$54.48		5,294	36
21:30	$54.51	$54.51	$54.51	$54.51	$54.51	$54.51		5,294	37
21:45	$51.64	$51.64	$51.64	$51.64	$51.64	$51.64		5,294	35
22:00	$48.98	$48.98	$48.98	$48.98	$48.98	$48.98		5,294	27
22:15	$56.24	$56.24	$56.24	$56.24	$56.24	$56.24		4,521	42
22:30	$54.51	$54.51	$54.51	$54.51	$54.51	$54.51		4,521	38
22:45	$49.59	$49.59	$49.59	$49.59	$49.59	$49.59		4,521	31
23:00	$47.49	$47.49	$47.49	$47.49	$47.49	$47.49		4,521	21
23:15	$54.40	$54.40	$54.40	$54.40	$54.40	$54.40		4,107	34
23:30	$47.69	$47.69	$47.69	$47.69	$47.69	$47.69		4,107	14
23:45	$40.08	$40.08	$40.08	$40.08	$40.08	$40.08		4,107	7
0:00	$38.29	$38.29	$38.29	$38.29	$38.29	$38.29		4,107	5

June 24, 2007


BES History June 24, 2007
Advisory
Alert
BES amd MSRS, MW
MCPE, $/MWh
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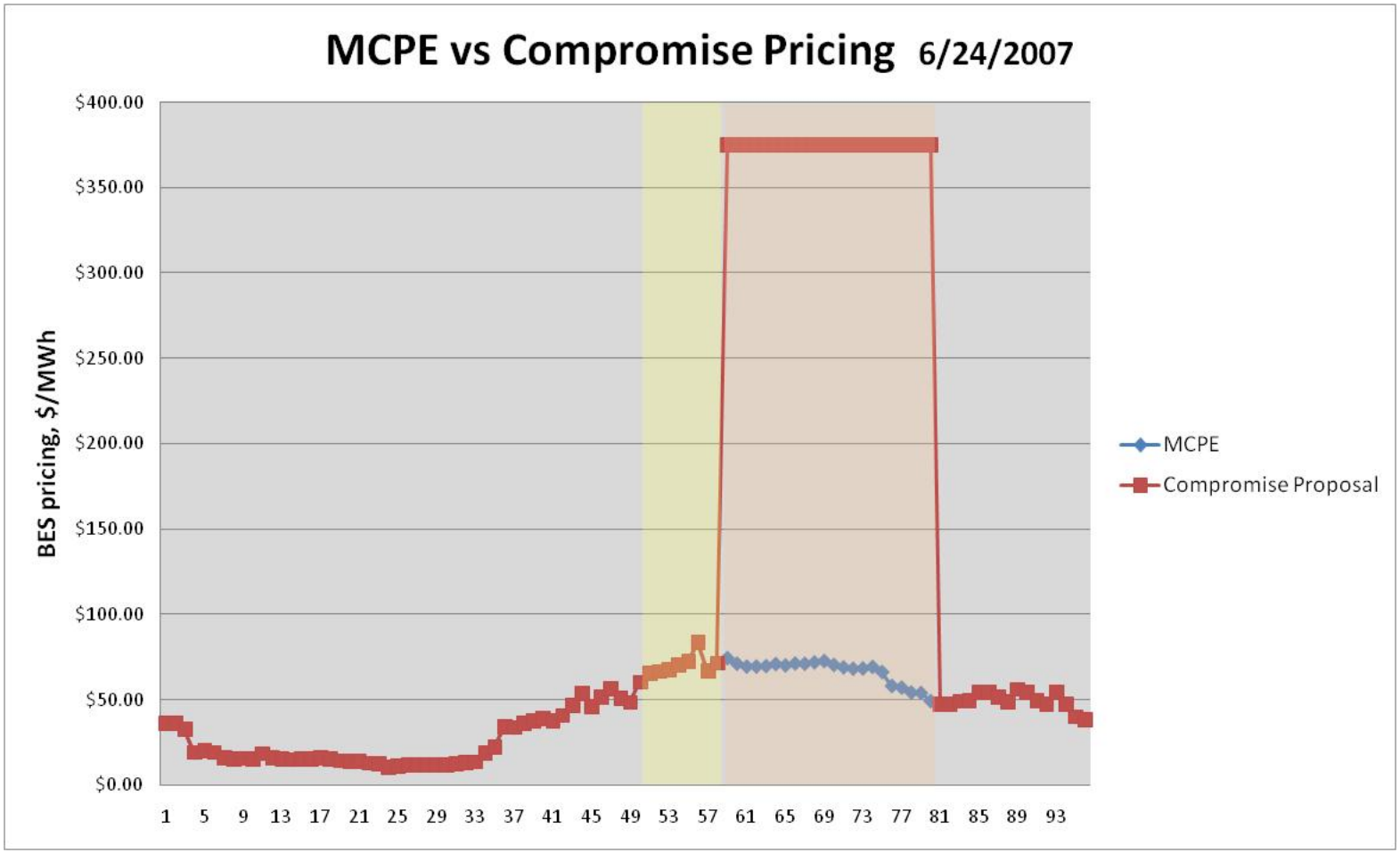
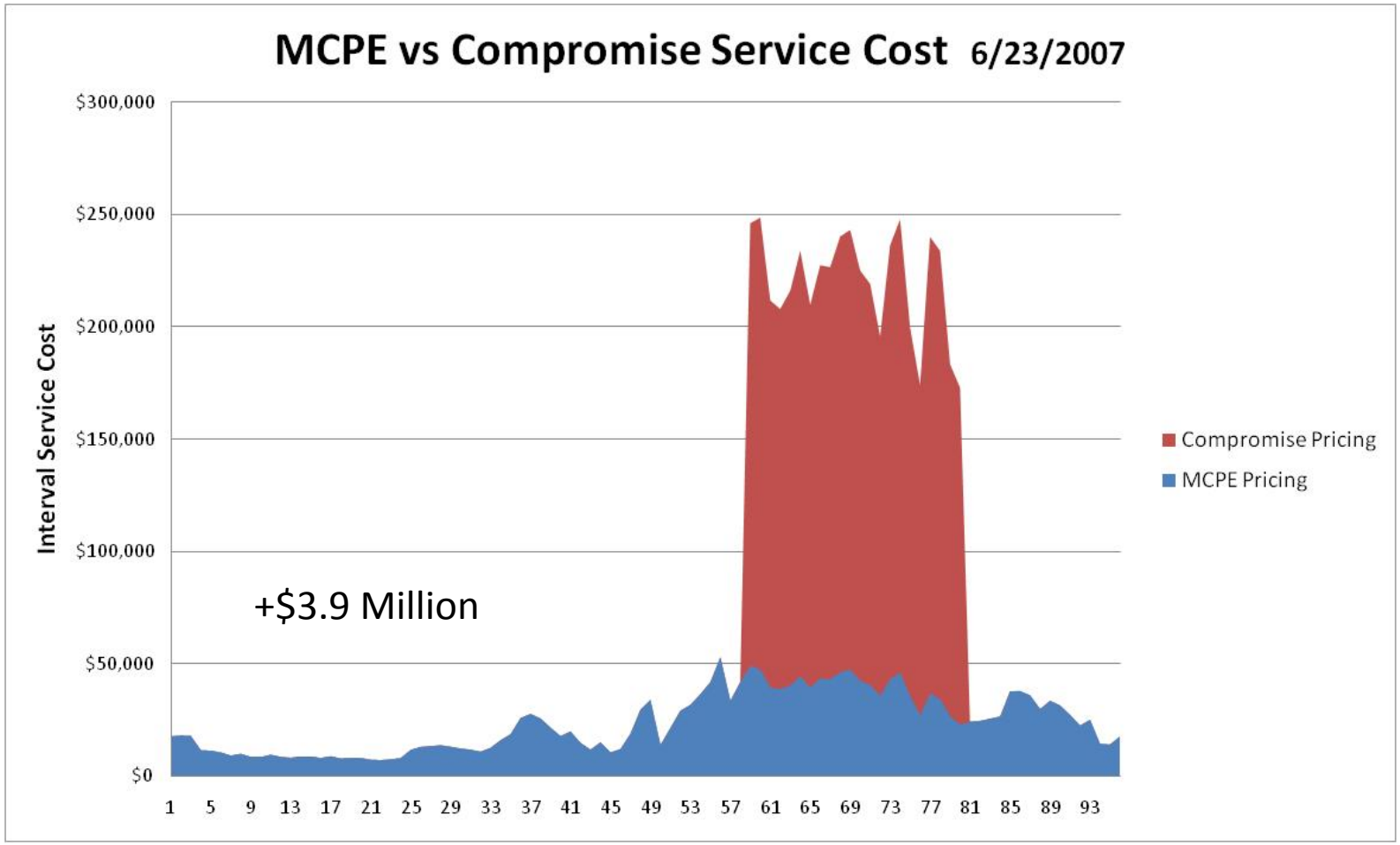
2,000
1,000
0
-1,000
-2,000
-3,000
-4,000
-5,000
$150.00
$100.00
$50.00
$0.00
-$50.00
-$100.00
-$150.00
-$200.00
-$250.00
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
H
W
S
N
Net Total
MCPE

Pricing Comparison
6/24/2007



BES Cost Comparison
6/24/2007

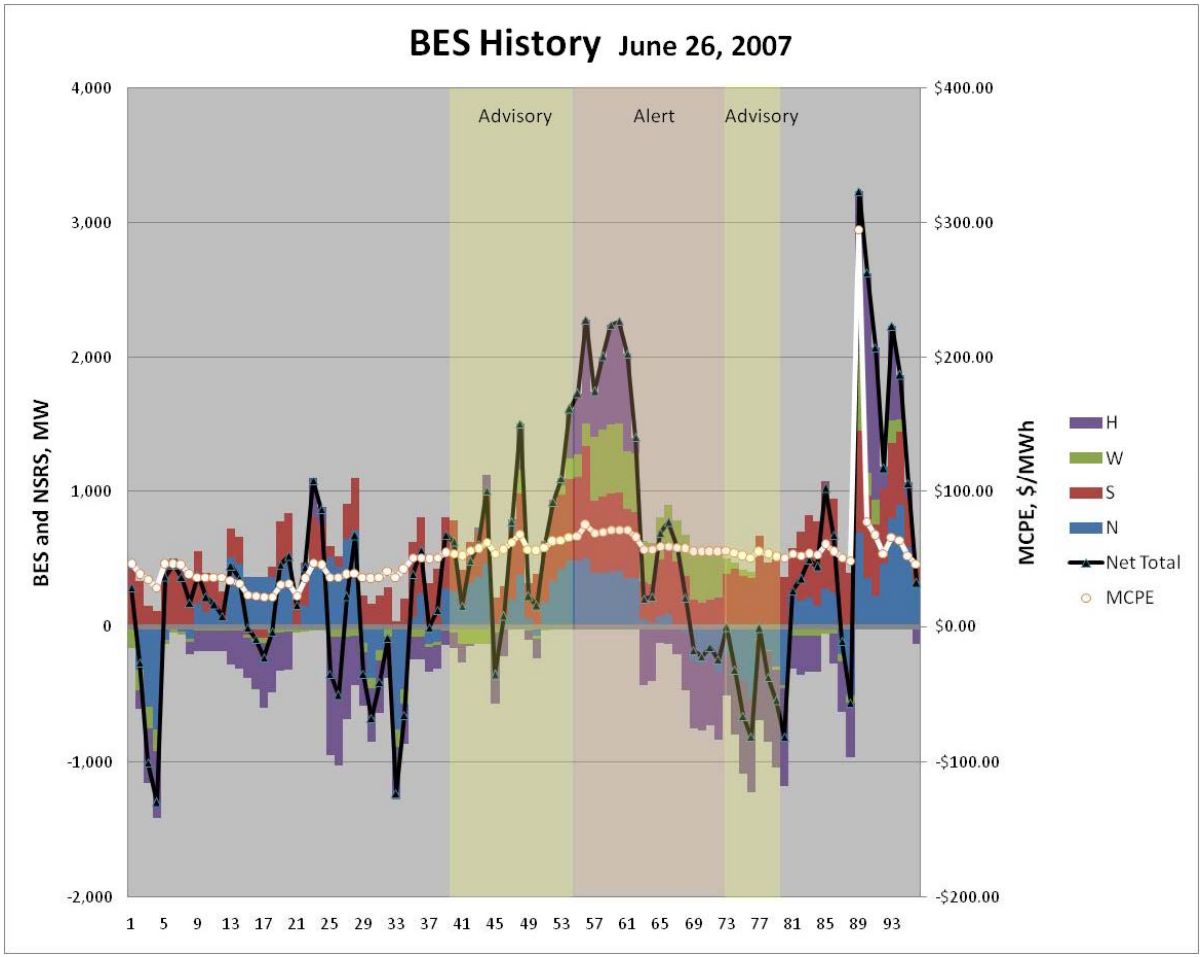


June 26, 2007

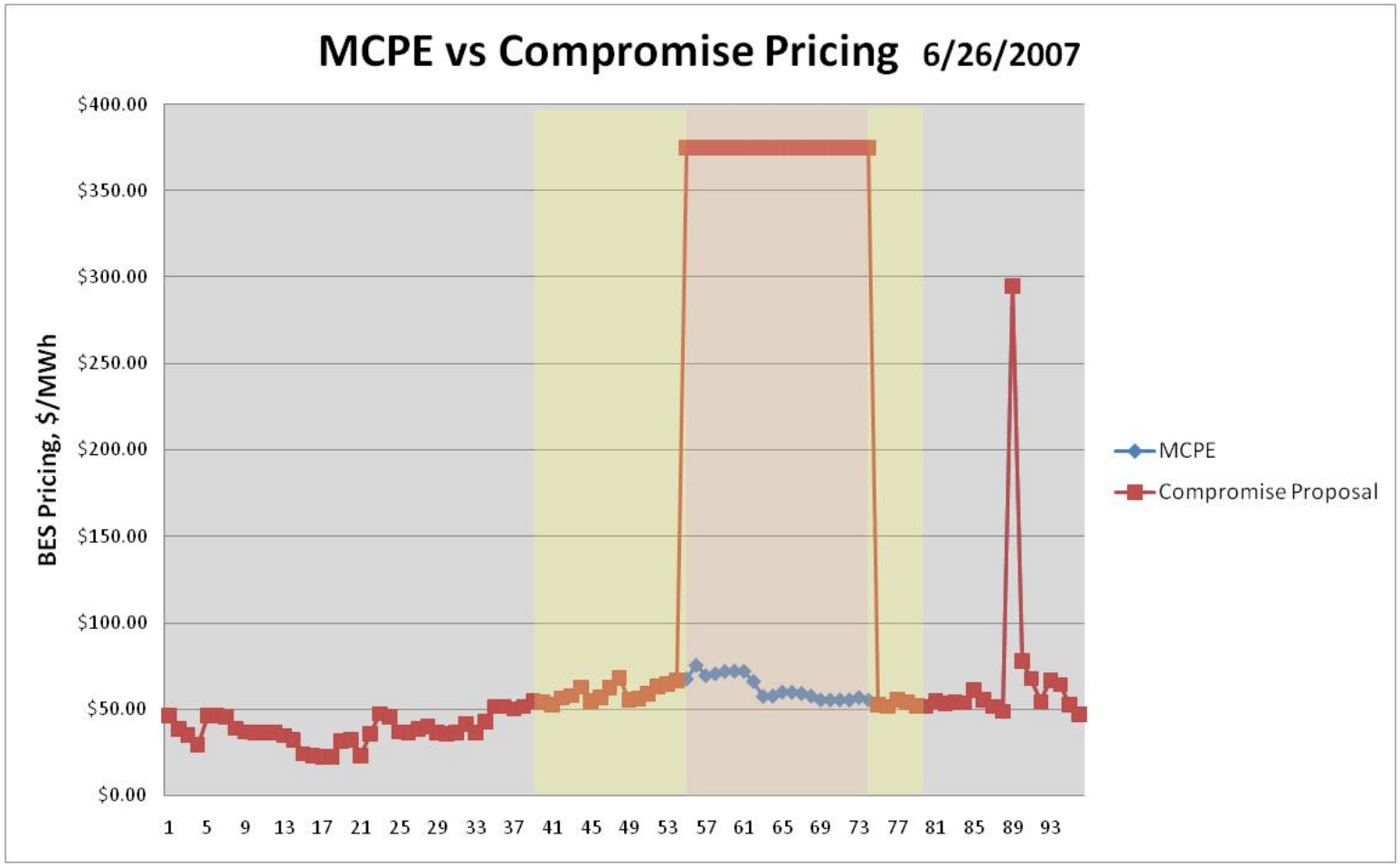
Balancing Energy Information for Mark 26-Jun-07

Interval Ending	MCPE Results Price N	MCPE Results Price S	MCPE Results Price W	MCPE Results Price H	BES Deployments DBES MW N	DBES MW S	DBES MW W	DBES MW H	UBES MW N	UBES MW S	UBES MW W	UBES MW H	Net BES MW (UBES - DBES) N	Net S	Net W	Net H	Net ALL ZONES	BES Cost ($) Net BES (MWh) x MCPE N	Cost S	Cost W	Cost H	Cost ALL ZONES	Trading Hub Prices Price N	Hub S	Hub W	Hub H	ERCOT Hub Average	ERCOT Bus Average	NSRS MW NSRS Deployed	NSRS MW Total UBES Bid	% UBES Awarded
26-Jun-07																															
0:15	$46.26	$46.26	$46.26	$46.26	139	0	156	215	145	408	0	246	6	408	-156	31	289	$69.39	$4,718.52	########	$358.52	$3,342.29	$46.26	$46.26	$46.26	$46.26	$46.26	$46.26		3,728	21
0:30	$38.60	$38.60	$38.60	$38.60	316	1	156	330	0	341	0	198	-316	340	-156	-132	-264	########	$3,281.00	########	########	########	$38.60	$38.60	$38.60	$38.60	$38.60	$38.60		3,728	14
0:45	$35.10	$35.10	$35.10	$35.10	593	192	156	606	0	345	0	197	-593	153	-156	-409	-1,005	########	$1,342.58	########	########	########	$35.10	$35.10	$35.10	$35.10	$35.10	$35.10		3,728	15
1:00	$29.29	$29.29	$29.29	$29.29	760	198	161	690	0	315	0	196	-760	117	-161	-494	-1,298	########	$856.73	########	########	########	$29.29	$29.29	$29.29	$29.29	$29.29	$29.29		3,728	14
1:15	$46.25	$46.25	$46.25	$46.25	159	78	24	240	60	499	0	312	-99	421	-24	72	370	########	$4,867.81	-$277.50	$832.50	$4,278.13	$46.25	$46.25	$46.25	$46.25	$46.25	$46.25		4,180	21
1:30	$46.26	$46.26	$46.26	$46.26	124	75	24	240	104	508	0	312	-20	433	-24	72	461	-$231.30	$5,007.65	-$277.56	$832.68	$5,331.47	$46.26	$46.26	$46.26	$46.26	$46.26	$46.26		4,180	22
1:45	$45.54	$45.54	$45.54	$45.54	124	75	24	240	90	477	0	264	-34	402	-24	24	368	-$387.09	$4,576.77	-$273.24	$273.24	$4,189.68	$45.54	$45.54	$45.54	$45.54	$45.54	$45.54		4,180	20
2:00	$38.73	$38.73	$38.73	$38.73	147	76	24	319	60	459	0	226	-87	383	-24	-93	179	-$842.38	$3,708.40	-$232.38	-$900.47	$1,733.17	$38.73	$38.73	$38.73	$38.73	$38.73	$38.73		4,180	18
2:15	$36.60	$36.60	$36.60	$36.60	179	79	24	468	353	468	0	313	174	389	-24	-155	384	$1,592.10	$3,559.35	-$219.60	########	$3,513.60	$36.60	$36.60	$36.60	$36.60	$36.60	$36.60		4,916	23
2:30	$36.55	$36.55	$36.55	$36.55	241	79	24	471	353	367	0	313	112	288	-24	-158	218	$1,023.40	$2,631.60	-$219.30	########	$1,991.98	$36.55	$36.55	$36.55	$36.55	$36.55	$36.55		4,916	21
2:45	$36.55	$36.55	$36.55	$36.55	215	79	24	471	353	289	0	313	138	210	-24	-158	166	$1,260.98	$1,918.88	-$219.30	########	$1,516.83	$36.55	$36.55	$36.55	$36.55	$36.55	$36.55		4,916	19
3:00	$36.50	$36.50	$36.50	$36.50	302	79	24	471	353	289	0	313	51	210	-24	-158	79	$465.38	$1,916.25	-$219.00	########	$720.88	$36.50	$36.50	$36.50	$36.50	$36.50	$36.50		4,916	19
3:15	$34.60	$34.60	$34.60	$34.60	337	80	24	554	850	297	0	299	513	217	-24	-255	451	$4,437.45	$1,877.05	-$207.60	########	$3,901.15	$34.60	$34.60	$34.60	$34.60	$34.60	$34.60		5,563	26
3:30	$31.96	$31.96	$31.96	$31.96	378	80	24	585	845	282	0	299	467	202	-24	-286	359	$3,731.33	$1,613.98	-$191.76	########	$2,868.41	$31.96	$31.96	$31.96	$31.96	$31.96	$31.96		5,563	26
3:45	$24.01	$24.01	$24.01	$24.01	460	80	29	585	831	26	0	290	371	-54	-29	-295	-7	$2,226.93	-$324.14	-$174.07	########	-$42.02	$24.01	$24.01	$24.01	$24.01	$24.01	$24.01		5,563	21
4:00	$23.03	$23.03	$23.03	$23.03	460	80	34	585	830	0	0	240	370	-80	-34	-345	-89	$2,130.28	-$460.60	-$195.76	########	-$512.42	$23.03	$23.03	$23.03	$23.03	$23.03	$23.03		5,563	19
4:15	$22.16	$22.16	$22.16	$22.16	458	80	39	585	830	0	0	105	372	-80	-39	-480	-227	$2,060.88	-$443.20	-$216.06	########	########	$22.16	$22.16	$22.16	$22.16	$22.16	$22.16		5,558	17
4:30	$22.32	$22.32	$22.32	$22.32	458	80	44	585	830	155	0	143	372	75	-44	-442	-39	$2,075.76	$418.50	-$245.52	########	-$217.62	$22.32	$22.32	$22.32	$22.32	$22.32	$22.32		5,558	20
4:45	$31.24	$31.24	$31.24	$31.24	426	80	39	585	841	449	0	301	415	369	-39	-284	461	$3,241.15	$2,881.89	-$304.59	########	$3,600.41	$31.24	$31.24	$31.24	$31.24	$31.24	$31.24		5,558	29
5:00	$31.96	$31.96	$31.96	$31.96	374	80	34	585	841	454	0	301	467	374	-34	-284	523	$3,731.33	$2,988.26	-$271.66	########	$4,178.77	$31.96	$31.96	$31.96	$31.96	$31.96	$31.96		5,558	29
5:15	$22.92	$22.92	$22.92	$22.92	517	80	39	215	525	255	0	234	8	175	-39	19	163	$45.84	$1,002.75	-$223.47	$108.87	$933.99	$22.92	$22.92	$22.92	$22.92	$22.92	$22.92		4,878	21
5:30	$35.63	$35.63	$35.63	$35.63	376	79	34	215	531	311	0	301	155	232	-34	86	439	$1,380.66	$2,066.54	-$302.86	$766.05	$3,910.39	$35.63	$35.63	$35.63	$35.63	$35.63	$35.63		4,878	23
5:45	$47.20	$47.20	$47.20	$47.20	132	73	29	215	632	383	0	518	500	310	-29	303	1,084	$5,900.00	$3,658.00	-$342.20	$3,575.40	########	$47.20	$47.20	$47.20	$47.20	$47.20	$47.20		4,878	31
6:00	$45.51	$45.51	$45.51	$45.51	108	75	24	215	582	360	0	348	474	285	-24	133	868	$5,392.94	$3,242.59	-$273.06	$1,513.21	$9,875.67	$45.51	$45.51	$45.51	$45.51	$45.51	$45.51		4,878	26
6:15	$36.60	$36.60	$36.60	$36.60	459	332	74	927	976	415	0	52	517	83	-74	-875	-349	$4,730.55	$759.45	-$677.10	########	########	$36.60	$36.60	$36.60	$36.60	$36.60	$36.60		4,282	34
6:30	$36.55	$36.55	$36.55	$36.55	528	341	74	953	976	414	0	0	448	73	-74	-953	-506	$4,093.60	$667.04	-$676.18	########	########	$36.55	$36.55	$36.55	$36.55	$36.55	$36.55		4,282	32
6:45	$38.50	$38.50	$38.50	$38.50	327	167	69	616	976	430	0	0	649	263	-69	-616	227	$6,246.63	$2,531.38	-$664.13	########	$2,184.88	$38.50	$38.50	$38.50	$38.50	$38.50	$38.50		4,282	33
7:00	$40.00	$40.00	$40.00	$40.00	266	45	65	368	976	443	0	0	710	398	-65	-368	675	$7,100.00	$3,980.00	-$650.00	########	$6,750.00	$40.00	$40.00	$40.00	$40.00	$40.00	$40.00		4,282	33
7:15	$36.55	$36.55	$36.55	$36.55	542	80	74	390	426	309	0	0	-116	229	-74	-390	-351	########	$2,092.49	-$676.18	########	########	$36.55	$36.55	$36.55	$36.55	$36.55	$36.55		3,946	19
7:30	$35.53	$35.53	$35.53	$35.53	807	129	76	395	426	304	0	0	-381	175	-76	-395	-677	########	$1,554.44	-$675.07	########	########	$35.53	$35.53	$35.53	$35.53	$35.53	$35.53		3,946	18
7:45	$36.55	$36.55	$36.55	$36.55	601	80	74	390	426	309	0	0	-175	229	-74	-390	-410	########	$2,092.49	-$676.18	########	########	$36.55	$36.55	$36.55	$36.55	$36.55	$36.55		3,946	19
8:00	$41.37	$41.37	$41.37	$41.37	433	38	62	308	426	333	0	0	-7	295	-62	-308	-82	-$72.40	$3,051.04	-$641.24	########	-$848.09	$41.37	$41.37	$41.37	$41.37	$41.37	$41.37		3,946	19
8:15	$36.55	$36.55	$36.55	$36.55	803	200	126	390	44	241	0	0	-759	41	-126	-390	-1,234	########	$374.64	########	########	########	$36.55	$36.55	$36.55	$36.55	$36.55	$36.55		4,009	7
8:30	$42.42	$42.42	$42.42	$42.42	513	35	111	294	54	245	0	0	-459	210	-111	-294	-654	########	$2,227.05	########	########	########	$42.42	$42.42	$42.42	$42.42	$42.42	$42.42		4,009	7
8:45	$51.41	$51.41	$51.41	$51.41	355	0	76	215	426	559	0	49	71	559	-76	-166	388	$912.53	$7,184.55	-$976.79	########	$4,986.77	$51.41	$51.41	$51.41	$51.41	$51.41	$51.41		4,009	26
9:00	$51.41	$51.41	$51.41	$51.41	193	0	76	215	443	559	0	49	250	559	-76	-166	567	$3,213.13	$7,184.55	-$976.79	########	$7,287.37	$51.41	$51.41	$51.41	$51.41	$51.41	$51.41		4,009	26
9:15	$50.11	$50.11	$50.11	$50.11	280	0	106	215	157	324	77	37	-123	324	-29	-178	-6	########	$4,058.91	-$363.30	########	-$75.17	$50.11	$50.11	$50.11	$50.11	$50.11	$50.11		3,822	16
9:30	$51.41	$51.41	$51.41	$51.41	265	0	106	215	157	431	77	45	-108	431	-29	-170	124	########	$5,539.43	-$372.72	########	$1,593.71	$51.41	$51.41	$51.41	$51.41	$51.41	$51.41		3,822	19
9:45	$54.67	$54.67	$54.67	$54.67	35	0	106	169	324	524	77	66	289	524	-29	-103	681	$3,949.91	$7,161.77	-$396.36	########	$9,307.57	$54.67	$54.67	$54.67	$54.67	$54.67	$54.67		3,822	26
10:00	$54.01	$54.01	$54.01	$54.01	39	0	106	182	299	530	67	62	260	530	-39	-120	631	$3,510.65	$7,156.33	-$526.60	########	$8,520.08	$54.01	$54.01	$54.01	$54.01	$54.01	$54.01		3,822	25
10:15	$52.26	$52.26	$52.26	$52.26	184	1	126	200	358	248	0	61	174	247	-126	-139	156	$2,273.31	$3,227.06	########	########	$2,038.14	$52.26	$52.26	$52.26	$52.26	$52.26	$52.26		3,461	19
10:30	$56.38	$56.38	$56.38	$56.38	129	0	126	110	455	304	0	93	326	304	-126	-17	487	$4,594.97	$4,284.88	########	-$239.62	$6,864.27	$56.38	$56.38	$56.38	$56.38	$56.38	$56.38		3,461	25
10:45	$57.73	$57.73	$57.73	$57.73	87	0	126	57	455	322	0	102	368	322	-126	45	609	$5,311.16	$4,647.27	########	$649.46	$8,789.39	$57.73	$57.73	$57.73	$57.73	$57.73	$57.73		3,461	25
11:00	$62.76	$62.76	$62.76	$62.76	65	0	126	0	531	539	0	129	466	539	-126	129	1,008	$7,311.54	$8,456.91	########	$2,024.01	########	$62.76	$62.76	$62.76	$62.76	$62.76	$62.76		3,461	35
11:15	$54.40	$54.40	$54.40	$54.40	221	48	60	589	203	263	34	64	-18	215	-26	-525	-354	-$244.80	$2,924.00	-$353.60	########	########	$54.40	$54.40	$54.40	$54.40	$54.40	$54.40		3,266	17
11:30	$56.84	$56.84	$56.84	$56.84	164	61	60	277	229	297	38	80	65	236	-22	-197	82	$923.65	$3,353.56	-$312.62	########	$1,165.22	$56.84	$56.84	$56.84	$56.84	$56.84	$56.84		3,266	20
11:45	$62.42	$62.42	$62.42	$62.42	66	1	60	0	270	485	42	109	204	484	-18	109	779	$3,183.42	$7,552.82	-$280.89	$1,700.95	########	$62.42	$62.42	$62.42	$62.42	$62.42	$62.42		3,266	28
12:00	$67.81	$68.44	$67.85	$68.86	14	0	0	0	402	596	187	342	388	596	187	342	1,513	$6,577.57	########	$3,171.99	$5,887.53	########	$67.81	$68.44	$67.85	$68.81	$68.23	$68.08		3,266	47
12:15	$55.20	$56.45	$55.29	$57.27	295	90	24	75	361	348	1	0	66	258	-23	-75	226	$910.80	$3,641.03	-$317.92	########	$3,160.10	$55.20	$56.45	$55.28	$57.17	$56.03	$55.73		3,896	18
12:30	$56.17	$56.17	$56.17	$56.17	355	92	24	142	288	481	1	0	-67	389	-23	-142	157	-$940.85	$5,462.53	-$322.98	########	$2,204.67	$56.17	$56.17	$56.17	$56.17	$56.17	$56.17		3,896	20
12:45	$59.01	$59.01	$59.01	$59.01	177	72	24	0	362	523	1	0	185	451	-23	0	613	$2,729.21	$6,653.38	-$339.31	$0.00	$9,043.28	$59.01	$59.01	$59.01	$59.01	$59.01	$59.01		3,896	23
13:00	$63.08	$63.08	$63.08	$63.08	97	7	16	0	438	598	1	7	341	591	-15	7	924	$5,377.57	$9,320.07	-$236.55	$110.39	########	$63.08	$63.08	$63.08	$63.08	$63.08	$63.08		3,896	27
13:15	$64.32	$64.32	$64.32	$64.32	14	0	0	0	444	548	72	49	430	548	72	49	1,099	$6,914.40	$8,811.84	$1,157.76	$787.92	########	$64.32	$64.32	$64.32	$64.32	$64.32	$64.32		3,865	29
13:30	$66.64	$66.64	$66.64	$66.64	10	0	0	0	498	604	164	365	488	604	164	365	1,621	$8,130.08	########	$2,732.24	$6,080.90	########	$66.64	$66.64	$66.64	$66.64	$66.64	$66.64		3,865	42
13:45	$67.42	$67.42	$67.42	$67.42	6	0	0	0	498	625	164	454	492	625	164	454	1,735	$8,292.66	########	$2,764.22	$7,652.17	########	$67.42	$67.42	$67.42	$67.42	$67.42	$67.42		3,865	45
14:00	$75.27	$75.27	$75.27	$75.27	0	0	0	0	506	842	164	770	506	842	164	770	2,282	$9,521.66	########	$3,086.07	########	########	$75.27	$75.27	$75.27	$75.27	$75.27	$75.27		3,865	59
14:15	$69.36	$69.36	$69.36	$69.36	0	0	0	0	399	537	477	339	399	537	477	339	1,752	$6,918.66	$9,311.58	$8,271.18	$5,878.26	########	$69.36	$69.36	$69.36	$69.36	$69.36	$69.36		3,271	54
14:30	$70.39	$70.39	$70.39	$70.39	0	0	0	0	399	567	500	545	399	567	500	545	2,011	$7,021.40	$9,977.78	$8,798.75	$9,590.64	########	$70.39	$70.39	$70.39	$70.39	$70.39	$70.39		3,271	61
14:45	$71.78	$71.78	$71.78	$71.78	0	0	0	0	410	581	518	735	410	581	518	735	2,244	$7,357.45	########	$9,295.51	########	########	$71.78	$71.78	$71.78	$71.78	$71.78	$71.78		3,271	69
15:00	$71.90	$71.90	$71.90	$71.90	0	0	0	0	413	582	518	759	413	582	518	759	2,272	$7,423.68	########	$9,311.05	########	########	$71.90	$71.90	$71.90	$71.90	$71.90	$71.90		3,271	69
15:15	$71.85	$71.85	$71.85	$71.85	0	0	0	0	360	512	433	725	360	512	433	725	2,030	$6,466.50	$9,196.80	$7,777.76	########	########	$71.85	$71.85	$71.85	$71.85	$71.85	$71.85		2,873	71
15:30	$66.01	$66.01	$66.01	$66.01	0	0	29	0	360	490	474	115	360	490	445	115	1,410	$5,940.90	$8,086.23	$7,343.61	$1,897.79	########	$66.01	$66.01	$66.01	$66.01	$66.01	$66.01		2,873	50
15:45	$57.30	$57.30	$57.30	$57.30	164	124	237	429	219	400	543	0	55	276	306	-429	208	$787.88	$3,953.70	$4,383.45	########	$2,979.60	$57.30	$57.30	$57.30	$57.30	$57.30	$57.30		2,873	40
16:00	$57.50	$57.50	$57.50	$57.50	185	120	237	398	219	400	543	0	34	280	306	-398	222	$488.75	$4,025.00	$4,398.75	########	$3,191.25	$57.50	$57.50	$57.50	$57.50	$57.50	$57.50		2,873	40
16:15	$59.78	$59.78	$59.78	$59.78	144	78	234	118	226	499	543	0	82	421	309	-118	694	$1,225.49	$6,291.85	$4,618.01	########	########	$59.78	$59.78	$59.78	$59.78	$59.78	$59.78		3,051	42
16:30	$59.71	$59.71	$59.71	$59.71	129	79	234	128	226	577	543	0	97	498	309	-128	776	$1,447.97	$7,433.90	$4,612.60	########	########	$59.71	$59.71	$59.71	$59.71	$59.71	$59.71		3,051	44
16:45	$59.01	$59.01	$59.01	$59.01	229	84	234	201	226	566	543	0	-3	482	309	-201	587	-$44.26	$7,110.71	$4,558.52	########	$8,659.72	$59.01	$59.01	$59.01	$59.01	$59.01	$59.01		3,051	44
17:00	$57.57	$57.57	$57.57	$57.57	273	145	234	422	226	519	543	0	-47	374	309	-422	214	-$676.45	$5,382.80	$4,447.28	########	$3,080.00	$57.57	$57.57	$57.57	$57.57	$57.57	$57.57		3,051	42
17:15	$55.29	$55.29	$55.29	$55.29	483	257	172	668	227	459	543	175	-256	202	371	-493	-176	########	$2,792.15	$5,128.15	########	########	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		3,377	42
17:30	$55.29	$55.29	$55.29	$55.29	502	274	172	668	227	452	543	175	-275	178	371	-493	-219	########	$2,460.41	$5,128.15	########	########	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		3,377	41
17:45	$55.29	$55.29	$55.29	$55.29	460	255	172	668	227	459	543	175	-233	204	371	-493	-151	########	$2,819.79	$5,128.15	########	########	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		3,377	42
18:00	$55.29	$55.29	$55.29	$55.29	570	226	172	668	227	446	543	175	-343	220	371	-493	-245	########	$3,040.95	$5,128.15	########	########	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		3,377	41
18:15	$56.70	$56.70	$56.70	$56.70	502	153	84	504	297	544	197	202	-205	391	113	-302	-3	########	$5,542.43	$1,601.78	########	-$42.52	$56.70	$56.70	$56.70	$56.70	$56.70	$56.70		3,876	32
18:30	$55.20	$55.20	$55.20	$55.20	563	222	84	724	297	652	131	193	-266	430	47	-531	-320	########	$5,934.00	$648.60	########	########	$55.20	$55.20	$55.20	$55.20	$55.20	$55.20		3,876	33
18:45	$52.26	$52.26	$52.26	$52.26	650	348	84	875	261	724	131	181	-389	376	47	-694	-660	########	$4,912.44	$614.06	########	########	$52.26	$52.26	$52.26	$52.26	$52.26	$52.26		3,876	33
19:00	$51.41	$51.41	$51.41	$51.41	735	384	84	885	218	746	131	177	-517	362	47	-708	-816	########	$4,652.61	$604.07	########	########	$51.41	$51.41	$51.41	$51.41	$51.41	$51.41		3,876	33
19:15	$55.29	$55.29	$55.29	$55.29	531	191	37	706	444	868	27	115	-87	677	-10	-591	-11	########	$9,357.83	-$138.23	########	-$152.05	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		3,469	42
19:30	$53.97	$53.97	$53.97	$53.97	613	313	37	785	443	793	25	115	-170	480	-12	-670	-372	########	$6,476.40	-$161.91	########	########	$53.97	$53.97	$53.97	$53.97	$53.97	$53.97		3,469	40
19:45	$51.62	$51.62	$51.62	$51.62	686	334	37	840	390	830	19	115	-296	496	-18	-725	-543	########	$6,400.88	-$232.29	########	########	$51.62	$51.62	$51.62	$51.62	$51.62	$51.62		3,469	39
20:00	$51.41	$51.41	$51.41	$51.41	822	396	37	845	390	763	18	115	-432	367	-19	-730	-814	########	$4,716.87	-$244.20	########	########	$51.41	$51.41	$51.41	$51.41	$51.41	$51.41		3,469	37
20:15	$54.47	$54.47	$54.47	$54.47	400	293	68	318	642	631	0	75	242	338	-68	-243	269	$3,295.44	$4,602.72	-$925.99	########	$3,663.11	$54.47	$54.47	$54.47	$54.47	$54.47	$54.47		4,157	32
20:30	$52.97	$52.97	$52.97	$52.97	422	309	68	359	620	819	0	75	198	510	-68	-284	356	$2,622.02	$6,753.68	-$900.49	########	$4,714.33	$52.97	$52.97	$52.97	$52.97	$52.97	$52.97		4,157	36
20:45	$53.75	$53.75	$53.75	$53.75	458	275	68	336	678	882	0	75	220	607	-68	-261	498	$2,956.25	$8,156.56	-$913.75	########	$6,691.88	$53.75	$53.75	$53.75	$53.75	$53.75	$53.75		4,157	39
21:00	$53.57	$53.57	$53.57	$53.57	452	265	68	339	610	885	0	75	158	620	-68	-264	446	$2,116.02	$8,303.35	-$910.69	########	$5,973.06	$53.57	$53.57	$53.57	$53.57	$53.57	$53.57		4,157	38
21:15	$60.75	$60.75	$60.75	$60.75	357	218	54	0	645	995	1	15	288	777	-53	15	1,027	$4,374.00	########	-$804.94	$227.81	########	$60.75	$60.75	$60.75	$60.75	$60.75	$60.75		4,436	37
21:30	$55.29	$55.29	$55.29	$55.29	372	223	54	221	624	923	1	0	252	700	-53	-221	678	$3,483.27	$9,675.75	-$732.59	########	$9,371.66	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		4,436	35
21:45	$51.41	$51.41	$51.41	$51.41	757	276	54	379	557	802	1	0	-200	526	-53	-379	-106	########	$6,760.42	-$681.18	########	########	$51.41	$51.41	$51.41	$51.41	$51.41	$51.41		4,436	31
22:00	$48.68	$48.68	$48.68	$48.68	813	293	54	405	308	696	0	0	-505	403	-54	-405	-561	########	$4,904.51	-$657.18	########	########	$48.68	$48.68	$48.68	$48.68	$48.68	$48.68		4,436	23
22:15	$295.00	$295.00	$295.00	$295.00	342	364	0	143	1,043	1,124	589	1,326	701	760	589	1,183	3,233	########	########	########	########	########	$295.00	$295.00	$295.00	$295.00	$295.00	$295.00		4,944	83
22:30	$77.72	$77.72	$77.72	$77.72	529	447	0	0	890	1,059	176	1,481	361	612	176	1,481	2,630	$7,014.23	########	$3,419.68	########	########	$77.72	$77.72	$77.72	$77.72	$77.72	$77.72		4,944	73
22:45	$67.59	$67.59	$67.59	$67.59	568	522	0	0	802	1,050	176	1,139	234	528	176	1,139	2,077	$3,954.02	$8,921.88	$2,973.96	########	########	$67.59	$67.59	$67.59	$67.59	$67.59	$67.59		4,944	64
23:00	$54.18	$54.18	$54.18	$54.18	168	178	67	231	638	733	52	400	470	555	-15	169	1,179	$6,366.15	$7,517.48	-$203.18	$2,289.11	########	$54.18	$54.18	$54.18	$54.18	$54.18	$54.18		4,944	37
23:15	$66.56	$66.56	$66.56	$66.56	15	58	0	78	820	625	166	774	805	567	166	696	2,234	########	$9,434.88	$2,762.24	########	########	$66.56	$66.56	$66.56	$66.56	$66.56	$66.56		4,337	55
23:30	$64.11	$64.11	$64.11	$64.11	0	0	0	0	901	552	94	325	901	552	94	325	1,872	########	$8,847.18	$1,506.59	$5,208.94	########	$64.11	$64.11	$64.11	$64.11	$64.11	$64.11		4,337	43
23:45	$52.63	$52.63	$52.63	$52.63	43	106	14	147	637	463	0	270	594	357	-14	123	1,060	$7,815.56	$4,697.23	-$184.21	$1,618.37	########	$52.63	$52.63	$52.63	$52.63	$52.63	$52.63		4,337	32
0:00	$46.77	$46.77	$46.77	$46.77	94	206	14	211	390	364	0	96	296	158	-14	-115	325	$3,460.98	$1,847.42	-$163.70	########	$3,800.06	$46.77	$46.77	$46.77	$46.77	$46.77	$46.77		4,337	20

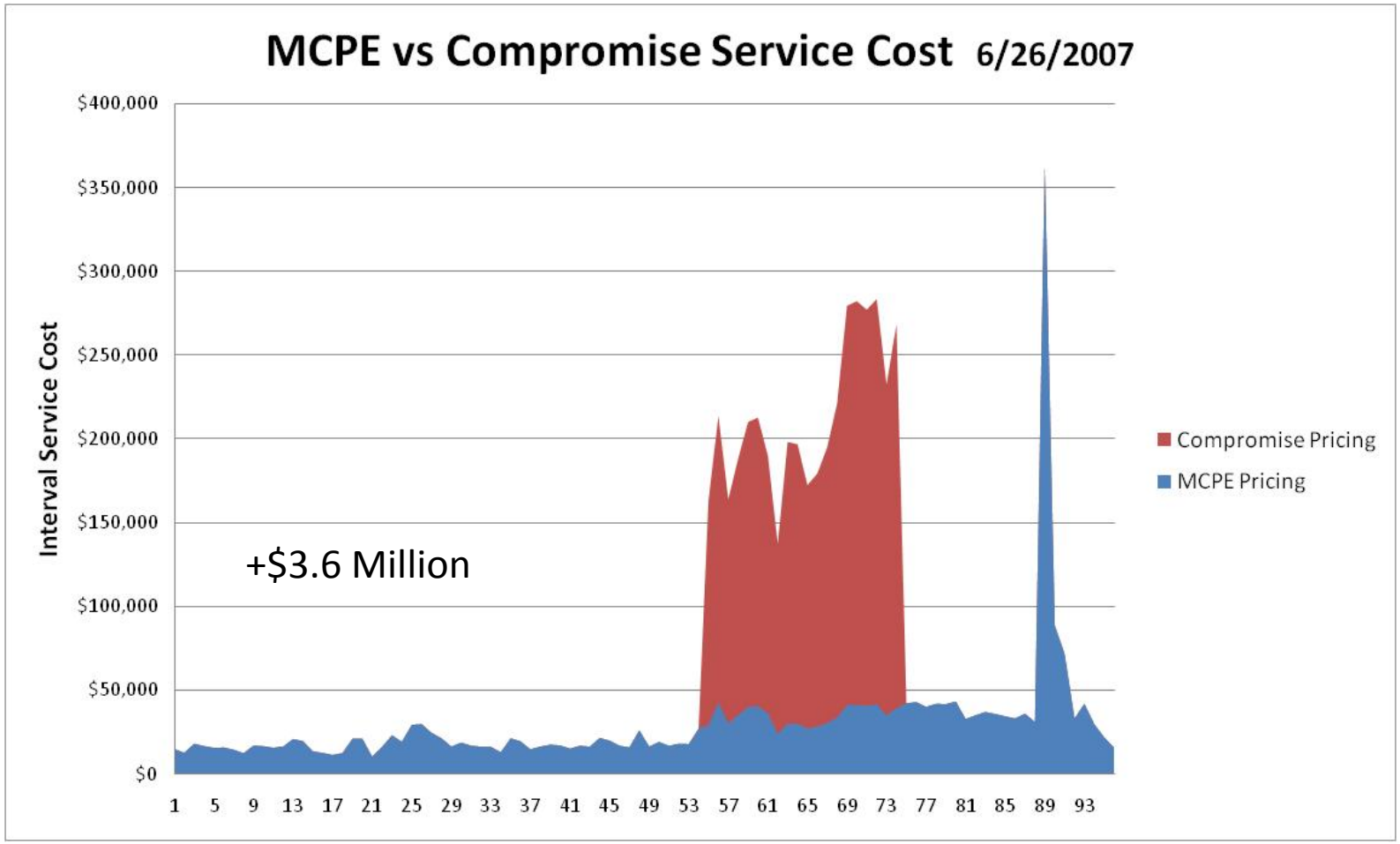
June 26, 2007


BES History June 26, 2007
Advisory
Alert
Advisory
BES and NSRS, MW
MCPE, $/MWh
4,000
3,000
2,000
1,000
0
-1,000
-2,000
$400.00
$300.00
$200.00
$100.00
$0.00
-$100.00
-$200.00
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
H
W
S
N
Net Total
MCPE

Price Comparison
6/26/2007



BES Cost Comparison
6/26/2007



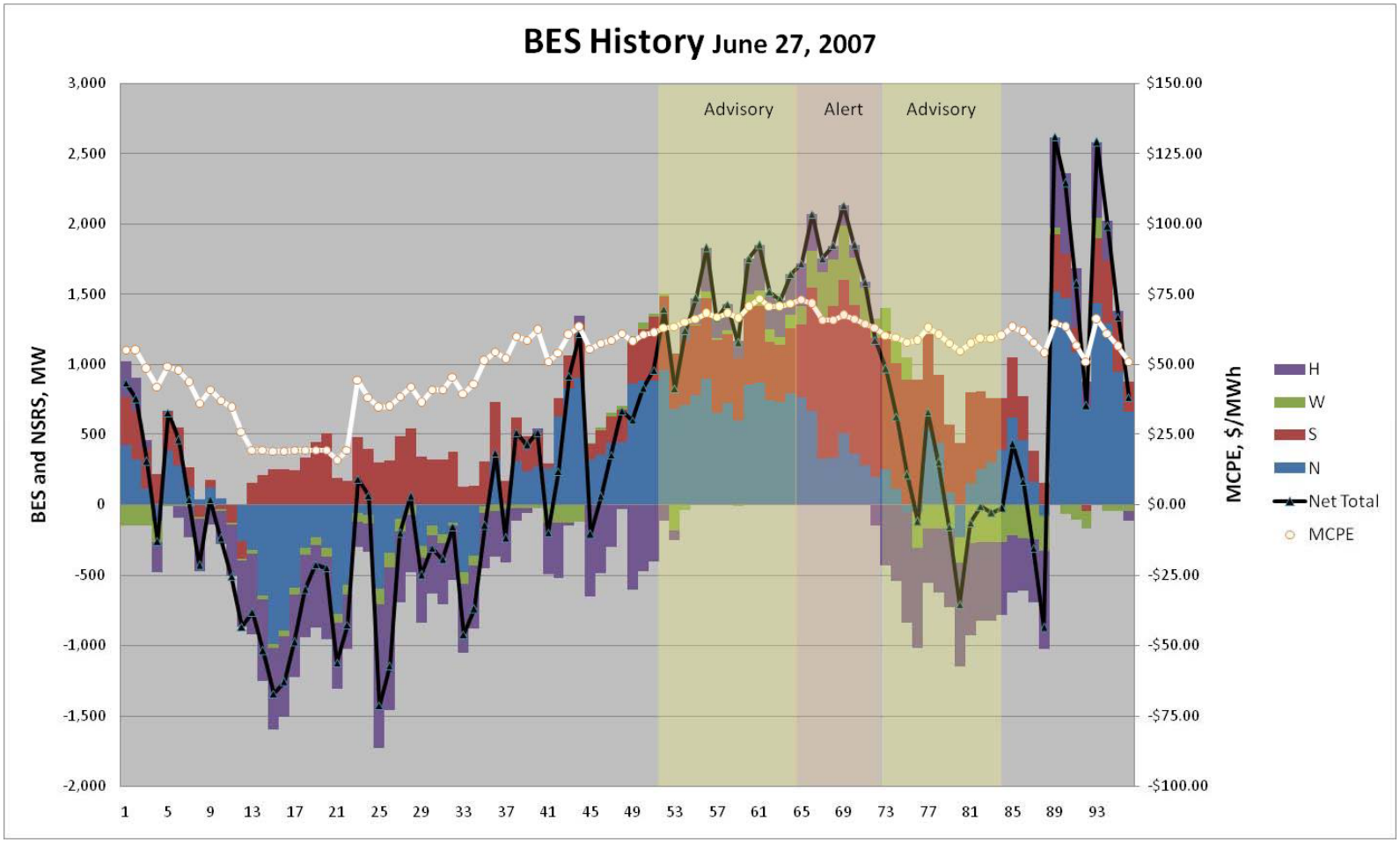
June 27, 2007

Balancing Energy Information for Mark 27-Jun-07

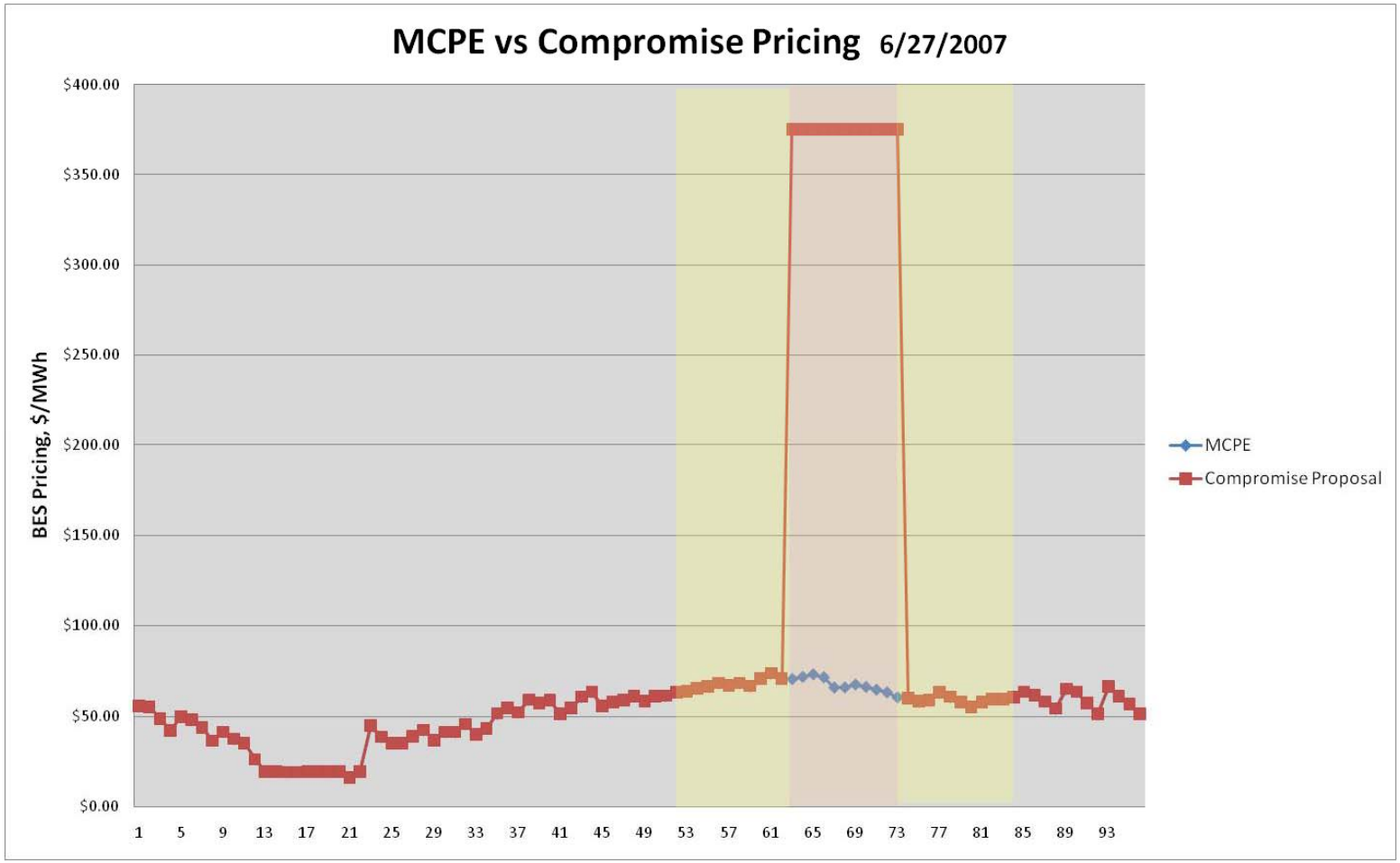
Interval Ending	MCPE Results (Price)				BES Deployments: DBES MW				UBES MW				Net BES MW (UBES - DBES)				
27-Jun-07	N	S	W	H	N	S	W	H	N	S	W	H	N	S	W	H	ALL ZONES
0:15	$55.29	$55.29	$55.29	$55.29	49	0	151	137	476	342	0	390	427	342	-151	253	871
0:30	$55.05	$55.05	$55.05	$55.05	74	0	151	147	397	342	0	390	323	342	-151	243	757
0:45	$48.53	$48.53	$48.53	$48.53	126	2	151	210	242	280	0	275	116	278	-151	65	308
1:00	$42.05	$42.05	$42.05	$42.05	177	33	151	215	65	248	0	0	-112	215	-151	-215	-263
1:15	$49.39	$49.39	$49.39	$49.39	94	11	14	215	476	291	0	224	382	280	-14	9	657
1:30	$47.74	$47.74	$47.74	$47.74	95	14	14	215	376	283	0	138	281	269	-14	-77	459
1:45	$43.68	$43.68	$43.68	$43.68	134	19	14	215	255	162	0	0	121	143	-14	-215	35
2:00	$36.20	$36.20	$36.20	$36.20	135	131	14	368	175	42	0	0	40	-89	-14	-368	-431
2:15	$41.11	$41.11	$41.11	$41.11	184	75	14	215	307	125	0	90	123	50	-14	-125	34
2:30	$37.20	$37.20	$37.20	$37.20	191	135	14	317	233	102	0	85	42	-33	-14	-232	-237
2:45	$34.71	$34.71	$34.71	$34.71	235	213	14	449	232	89	0	82	-3	-124	-14	-367	-508
3:00	$26.00	$26.00	$26.00	$26.00	447	264	19	540	187	144	0	71	-260	-120	-19	-469	-868
3:15	$19.29	$19.29	$19.29	$19.29	436	310	24	575	112	467	0	0	-324	157	-24	-575	-766
3:30	$19.29	$19.29	$19.29	$19.29	682	299	29	575	36	511	0	0	-646	212	-29	-575	-1,038
3:45	$18.89	$18.89	$18.89	$18.89	987	300	34	575	0	552	0	0	-987	252	-34	-575	-1,344
4:00	$18.89	$18.89	$18.89	$18.89	895	301	39	575	0	552	0	0	-895	251	-39	-575	-1,258
4:15	$19.29	$19.29	$19.29	$19.29	713	314	44	585	120	561	0	0	-593	247	-44	-585	-975
4:30	$19.29	$19.29	$19.29	$19.29	644	275	49	585	337	612	0	0	-307	337	-49	-585	-604
4:45	$19.29	$19.29	$19.29	$19.29	536	236	54	585	305	680	0	0	-231	444	-54	-585	-426
5:00	$19.29	$19.29	$19.29	$19.29	541	196	59	585	231	701	0	0	-310	505	-59	-585	-449
5:15	$15.81	$15.81	$15.81	$15.81	774	122	64	473	0	309	0	0	-774	187	-64	-473	-1,124
5:30	$19.27	$19.27	$19.27	$19.27	571	151	69	398	0	321	0	11	-571	170	-69	-387	-857
5:45	$44.43	$44.43	$44.43	$44.43	241	13	64	274	184	492	0	96	-57	479	-64	-178	180
6:00	$38.30	$38.30	$38.30	$38.30	186	36	59	288	110	432	0	91	-76	396	-59	-197	64
6:15	$34.71	$34.71	$34.71	$34.71	640	238	109	1,022	40	540	0	0	-600	302	-109	-1,022	-1,429
6:30	$35.00	$35.00	$35.00	$35.00	409	229	103	1,008	64	541	0	0	-345	312	-103	-1,008	-1,144
6:45	$38.70	$38.70	$38.70	$38.70	211	67	89	502	110	555	0	0	-101	488	-89	-502	-204
7:00	$42.17	$42.17	$42.17	$42.17	114	40	76	405	127	568	0	0	13	528	-76	-405	60
7:15	$36.41	$36.41	$36.41	$36.41	341	82	85	465	50	424	0	0	-291	342	-85	-465	-499
7:30	$41.15	$41.15	$41.15	$41.15	197	42	68	416	50	365	0	0	-147	323	-68	-416	-308
7:45	$41.04	$41.04	$41.04	$41.04	262	42	64	435	50	365	0	0	-212	323	-64	-435	-388
8:00	$45.49	$45.49	$45.49	$45.49	235	21	19	383	105	396	0	0	-130	375	-19	-383	-157
8:15	$39.73	$39.73	$39.73	$39.73	528	135	85	491	50	265	0	0	-478	130	-85	-491	-924
8:30	$43.08	$43.08	$43.08	$43.08	416	38	69	443	50	175	0	0	-366	137	-69	-443	-741
8:45	$51.29	$51.29	$51.29	$51.29	365	3	42	394	351	306	0	0	-14	303	-42	-394	-147
9:00	$54.51	$54.51	$54.51	$54.51	125	0	42	327	446	413	0	0	321	413	-42	-327	365
9:15	$51.93	$51.93	$51.93	$51.93	216	3	27	376	211	173	0	0	-5	170	-27	-376	-238
9:30	$59.08	$57.77	$58.97	$60.06	10	0	27	98	314	319	0	14	304	319	-27	-84	512
9:45	$57.24	$55.51	$57.09	$58.55	10	3	27	34	248	251	0	0	238	248	-27	-34	425
10:00	$59.08	$54.80	$58.71	$62.29	10	3	27	0	285	231	0	35	275	228	-27	35	511
10:15	$50.99	$50.99	$50.99	$50.99	231	58	130	363	486	95	0	0	255	37	-130	-363	-201
10:30	$54.18	$54.18	$54.18	$54.18	36	34	130	394	670	159	0	0	634	125	-130	-394	235
10:45	$60.55	$60.55	$60.55	$60.55	21	0	130	40	851	237	0	20	830	237	-130	-20	917
11:00	$63.27	$63.27	$63.27	$63.27	21	0	124	0	928	390	0	50	907	390	-124	50	1,223
11:15	$55.51	$55.51	$55.51	$55.51	56	143	24	650	376	253	34	0	320	110	10	-650	-210
11:30	$57.64	$57.64	$57.64	$57.64	70	99	24	488	425	268	47	0	355	169	23	-488	59
11:45	$58.60	$58.60	$58.60	$58.60	53	81	24	305	490	276	48	1	437	195	24	-304	352
12:00	$61.01	$61.01	$61.01	$61.01	53	62	24	71	500	294	50	37	447	232	26	-34	671
12:15	$58.18	$58.18	$58.18	$58.18	58	93	17	604	921	388	64	0	863	295	47	-604	601
12:30	$60.80	$60.80	$60.80	$60.80	54	74	17	497	938	443	67	25	884	369	50	-472	831
12:45	$61.20	$61.20	$61.20	$61.20	54	71	47	431	938	527	67	30	884	456	20	-401	959
13:00	$63.06	$63.06	$63.06	$63.06	54	56	47	162	1,013	581	67	50	959	525	20	-112	1,392
13:15	$63.46	$63.46	$63.46	$63.46	196	0	240	93	883	394	59	20	687	394	-181	-73	827
13:30	$65.17	$65.17	$65.17	$65.17	192	0	98	0	902	458	59	111	710	458	-39	111	1,240
13:45	$66.29	$66.29	$66.29	$66.29	99	0	56	0	882	499	59	188	783	499	3	188	1,473
14:00	$68.11	$68.11	$68.11	$68.11	12	0	15	0	914	572	59	315	902	572	44	315	1,833
14:15	$66.95	$66.95	$66.95	$66.95	57	0	27	0	714	519	39	140	657	519	12	140	1,328
14:30	$68.17	$68.17	$68.17	$68.17	24	0	15	0	751	493	39	184	727	493	24	184	1,428
14:45	$66.44	$66.44	$66.44	$66.44	114	0	48	0	714	444	39	122	600	444	-9	122	1,157
15:00	$70.61	$70.61	$70.61	$70.61	0	0	0	0	861	582	59	252	861	582	59	252	1,754
15:15	$73.60	$73.60	$73.60	$73.60	0	0	0	0	869	549	106	329	869	549	106	329	1,853
15:30	$70.76	$70.76	$70.76	$70.76	0	0	0	0	749	416	83	268	749	416	83	268	1,516
15:45	$70.52	$70.52	$70.52	$70.52	0	0	1	0	737	405	54	264	737	405	53	264	1,459
16:00	$71.75	$71.75	$71.75	$71.75	0	0	0	0	797	463	95	288	797	463	95	288	1,643
16:15	$73.21	$73.21	$73.21	$73.21	0	0	0	0	769	515	136	298	769	515	136	298	1,718
16:30	$71.56	$71.56	$71.56	$71.56	0	0	0	0	671	875	262	264	671	875	262	264	2,072
16:45	$65.83	$65.83	$65.83	$65.83	175	0	132	0	502	1,007	459	92	327	1,007	327	92	1,753
17:00	$65.91	$65.91	$65.91	$65.91	171	0	128	0	502	1,087	459	98	331	1,087	331	98	1,847
17:15	$67.51	$67.51	$67.51	$67.51	26	0	64	0	533	1,098	450	140	507	1,098	386	140	2,131
17:30	$66.19	$66.19	$66.19	$66.19	144	0	111	0	509	1,056	450	93	365	1,056	339	93	1,853
17:45	$64.62	$64.62	$64.62	$64.62	231	0	175	0	509	996	450	37	278	996	275	37	1,586
18:00	$63.18	$63.18	$63.18	$63.18	241	0	310	155	437	990	450	3	196	990	140	-152	1,174
18:15	$60.40	$60.40	$60.40	$60.40	188	0	288	517	437	992	449	85	249	992	161	-432	970
18:30	$59.66	$59.66	$59.66	$59.66	324	0	288	619	437	895	449	80	113	895	161	-539	630
18:45	$58.00	$58.00	$58.00	$58.00	488	1	288	860	436	895	447	70	-52	894	159	-790	211
19:00	$58.50	$58.50	$58.50	$58.50	485	0	288	780	436	895	30	72	-49	895	-258	-708	-120
19:15	$62.93	$62.93	$62.93	$62.93	60	0	202	599	597	681	33	212	537	681	-169	-387	662
19:30	$60.54	$60.54	$60.54	$60.54	72	0	202	658	510	487	33	203	438	487	-169	-455	301
19:45	$57.64	$57.64	$57.64	$57.64	379	5	202	749	467	486	30	196	88	481	-172	-553	-156
20:00	$54.85	$54.85	$54.85	$54.85	671	49	202	931	436	486	26	195	-235	437	-176	-736	-710
20:15	$57.50	$57.50	$57.50	$57.50	415	8	302	931	566	657	32	271	151	649	-270	-660	-130
20:30	$59.16	$59.16	$59.16	$59.16	319	0	302	829	567	563	34	272	248	563	-268	-557	-14
20:45	$59.26	$59.26	$59.26	$59.26	301	0	302	828	601	464	34	273	300	464	-268	-555	-59
21:00	$60.25	$60.25	$60.25	$60.25	210	50	302	791	601	418	35	276	391	368	-267	-515	-23
21:15	$63.35	$63.35	$63.35	$63.35	84	9	252	467	711	436	33	63	627	427	-219	-404	431
21:30	$61.55	$61.55	$61.55	$61.55	159	49	274	429	614	372	33	56	455	323	-241	-373	164
21:45	$57.95	$57.95	$57.95	$57.95	422	72	274	494	581	294	31	46	159	222	-243	-448	-310
22:00	$54.05	$54.05	$54.05	$54.05	589	140	274	743	510	294	25	45	-79	154	-249	-698	-872
22:15	$64.95	$64.95	$64.95	$64.95	18	0	0	73	1,538	404	52	717	1,520	404	52	644	2,620
22:30	$63.33	$63.33	$63.33	$63.33	18	64	101	19	1,492	379	33	591	1,474	315	-68	572	2,293
22:45	$57.04	$57.04	$57.04	$57.04	247	204	137	147	1,334	379	29	570	1,087	175	-108	423	1,577
23:00	$50.99	$50.99	$50.99	$50.99	262	319	137	384	954	271	15	570	692	-48	-122	186	708
23:15	$66.09	$66.09	$66.09	$66.09	8	91	0	187	1,443	558	141	728	1,435	467	141	541	2,584
23:30	$61.00	$61.00	$61.00	$61.00	0	40	42	218	1,292	489	0	503	1,292	449	-42	285	1,984
23:45	$56.41	$56.41	$56.41	$56.41	54	90	42	446	1,004	478	0	490	950	388	-42	44	1,340
0:00	$51.01	$51.01	$51.01	$51.01	69	163	42	562	735	376	0	490	666	213	-42	-72	765

Interval Ending	BES Cost ($): Net BES (MWh) x MCPE					Trading Hub Prices (Price)						NSRS (MW)		NSRS (%)
27-Jun-07	N	S	W	H	ALL ZONES	N	S	W	H	ERCOT Hub Average	ERCOT Bus Average	NSRS Deployed	Total UBES Bid	UBES Awarded
0:15	$5,902.21	$4,727.30	########	$3,497.09	########	$55.29	$55.29	$55.29	$55.29	$55.29	$55.29		3,388	36
0:30	$4,445.29	$4,706.78	########	$3,344.29	########	$55.05	$55.05	$55.05	$55.05	$55.05	$55.05		3,388	33
0:45	$1,407.37	$3,372.84	########	$788.61	$3,736.81	$48.53	$48.53	$48.53	$48.53	$48.53	$48.53		3,388	24
1:00	########	$2,260.19	########	########	########	$42.05	$42.05	$42.05	$42.05	$42.05	$42.05		3,388	9
1:15	$4,716.75	$3,457.30	-$172.87	$111.13	$8,112.31	$49.39	$49.39	$49.39	$49.39	$49.39	$49.39		4,099	24
1:30	$3,353.74	$3,210.52	-$167.09	-$919.00	$5,478.17	$47.74	$47.74	$47.74	$47.74	$47.74	$47.74		4,099	19
1:45	$1,321.32	$1,561.56	-$152.88	########	$382.20	$43.68	$43.68	$43.68	$43.68	$43.68	$43.68		4,099	10
2:00	$362.00	-$805.45	-$126.70	########	########	$36.20	$36.20	$36.20	$36.20	$36.20	$36.20		4,099	5
2:15	$1,264.13	$513.88	-$143.89	########	$349.44	$41.11	$41.11	$41.11	$41.11	$41.11	$41.11		4,465	12
2:30	$390.60	-$306.90	-$130.20	########	########	$37.20	$37.20	$37.20	$37.20	$37.20	$37.20		4,465	9
2:45	-$26.03	########	-$121.49	########	########	$34.71	$34.71	$34.71	$34.71	$34.71	$34.71		4,465	9
3:00	########	-$780.00	-$123.50	########	########	$26.00	$26.00	$26.00	$26.00	$26.00	$26.00		4,465	9
3:15	########	$757.13	-$115.74	########	########	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,710	12
3:30	########	$1,022.37	-$139.85	########	########	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,710	12
3:45	########	$1,190.07	-$160.57	########	########	$18.89	$18.89	$18.89	$18.89	$18.89	$18.89		4,710	12
4:00	########	$1,185.35	-$184.18	########	########	$18.89	$18.89	$18.89	$18.89	$18.89	$18.89		4,710	12
4:15	########	$1,191.16	-$212.19	########	########	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,742	14
4:30	########	$1,625.18	-$236.30	########	########	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,742	20
4:45	########	$2,141.19	-$260.42	########	########	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,742	21
5:00	########	$2,435.36	-$284.53	########	########	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,742	20
5:15	########	$739.12	-$252.96	########	########	$15.81	$15.81	$15.81	$15.81	$15.81	$15.81		4,111	8
5:30	########	$818.98	-$332.41	########	########	$19.27	$19.27	$19.27	$19.27	$19.27	$19.27		4,111	8
5:45	-$633.13	$5,320.49	-$710.88	########	$1,999.35	$44.43	$44.43	$44.43	$44.43	$44.43	$44.43		4,111	19
6:00	-$727.70	$3,791.70	-$564.93	########	$612.80	$38.30	$38.30	$38.30	$38.30	$38.30	$38.30		4,111	15
6:15	########	$2,620.61	-$945.85	########	########	$34.71	$34.71	$34.71	$34.71	$34.71	$34.71		3,705	16
6:30	########	$2,730.00	-$901.25	########	########	$35.00	$35.00	$35.00	$35.00	$35.00	$35.00		3,705	16
6:45	-$977.18	$4,721.40	-$861.08	########	########	$38.70	$38.70	$38.70	$38.70	$38.70	$38.70		3,705	18
7:00	$137.05	$5,566.44	-$801.23	########	$632.55	$42.17	$42.17	$42.17	$42.17	$42.17	$42.17		3,705	19
7:15	########	$3,113.06	-$773.71	########	########	$36.41	$36.41	$36.41	$36.41	$36.41	$36.41		3,621	13
7:30	########	$3,322.86	-$699.55	########	########	$41.15	$41.15	$41.15	$41.15	$41.15	$41.15		3,621	11
7:45	########	$3,313.98	-$656.64	########	########	$41.04	$41.04	$41.04	$41.04	$41.04	$41.04		3,621	11
8:00	########	$4,264.69	-$216.08	########	########	$45.49	$45.49	$45.49	$45.49	$45.49	$45.49		3,621	14
8:15	########	$1,291.23	-$844.26	########	########	$39.73	$39.73	$39.73	$39.73	$39.73	$39.73		3,303	10
8:30	########	$1,475.49	-$743.13	########	########	$43.08	$43.08	$43.08	$43.08	$43.08	$43.08		3,303	7
8:45	-$179.52	$3,885.22	-$538.55	########	########	$51.29	$51.29	$51.29	$51.29	$51.29	$51.29		3,303	20
9:00	$4,374.43	$5,628.16	-$572.36	########	$4,974.04	$54.51	$54.51	$54.51	$54.51	$54.51	$54.51		3,303	26
9:15	-$64.91	$2,207.03	-$350.53	########	########	$51.93	$51.93	$51.93	$51.93	$51.93	$51.93		2,947	13
9:30	$4,490.08	$4,607.16	-$398.05	########	$7,437.93	$59.08	$57.77	$58.98	$60.01	$58.96	$58.91		2,947	22
9:45	$3,405.78	$3,441.62	-$385.36	-$497.68	$5,964.37	$57.24	$55.51	$57.10	$58.48	$57.08	$57.02		2,947	17
10:00	$4,061.75	$3,123.60	-$396.29	$545.04	$7,334.10	$59.08	$54.80	$58.73	$62.13	$58.69	$58.52		2,947	19
10:15	$3,250.61	$471.66	########	########	########	$50.99	$50.99	$50.99	$50.99	$50.99	$50.99		3,697	16
10:30	$8,587.53	$1,693.13	########	########	$3,183.08	$54.18	$54.18	$54.18	$54.18	$54.18	$54.18		3,697	22
10:45	########	$3,587.59	########	-$302.75	########	$60.55	$60.55	$60.55	$60.55	$60.55	$60.55		3,697	30
11:00	########	$6,168.83	########	$790.88	########	$63.27	$63.27	$63.27	$63.27	$63.27	$63.27		3,697	37
11:15	$4,440.80	$1,526.53	$138.78	########	########	$55.51	$55.51	$55.51	$55.51	$55.51	$55.51		4,346	15
11:30	$5,115.55	$2,435.29	$331.43	########	$850.19	$57.64	$57.64	$57.64	$57.64	$57.64	$57.64		4,346	17
11:45	$6,402.05	$2,856.75	$351.60	########	$5,156.80	$58.60	$58.60	$58.60	$58.60	$58.60	$58.60		4,346	19
12:00	$6,817.87	$3,538.58	$396.57	-$518.59	########	$61.01	$61.01	$61.01	$61.01	$61.01	$61.01		4,346	20
12:15	########	$4,290.78	$683.62	########	$8,741.55	$58.18	$58.18	$58.18	$58.18	$58.18	$58.18		5,082	27
12:30	########	$5,608.80	$760.00	########	########	$60.80	$60.80	$60.80	$60.80	$60.80	$60.80		5,082	29
12:45	########	$6,976.80	$306.00	########	########	$61.20	$61.20	$61.20	$61.20	$61.20	$61.20		5,082	31
13:00	########	$8,276.63	$315.30	########	########	$63.06	$63.06	$63.06	$63.06	$63.06	$63.06		5,082	34
13:15	########	$6,250.81	########	########	########	$63.46	$63.46	$63.46	$63.46	$63.46	$63.46		4,069	33
13:30	########	$7,461.97	-$635.41	$1,808.47	########	$65.17	$65.17	$65.17	$65.17	$65.17	$65.17		4,069	38
13:45	########	$8,269.68	$49.72	$3,115.63	########	$66.29	$66.29	$66.29	$66.29	$66.29	$66.29		4,069	40
14:00	########	$9,739.73	$749.21	$5,363.66	########	$68.11	$68.11	$68.11	$68.11	$68.11	$68.11		4,069	46
14:15	########	$8,686.76	$200.85	$2,343.25	########	$66.95	$66.95	$66.95	$66.95	$66.95	$66.95		4,388	32
14:30	########	$8,401.95	$409.02	$3,135.82	########	$68.17	$68.17	$68.17	$68.17	$68.17	$68.17		4,388	33
14:45	$9,966.00	$7,374.84	-$149.49	$2,026.42	########	$66.44	$66.44	$66.44	$66.44	$66.44	$66.44		4,388	30
15:00	########	########	$1,041.50	$4,448.43	########	$70.61	$70.61	$70.61	$70.61	$70.61	$70.61		4,388	40
15:15	########	########	$1,950.40	$6,053.60	########	$73.60	$73.60	$73.60	$73.60	$73.60	$73.60		3,837	48
15:30	########	$7,359.04	$1,468.27	$4,740.92	########	$70.76	$70.76	$70.76	$70.76	$70.76	$70.76		3,837	40
15:45	########	$7,140.15	$934.39	$4,654.32	########	$70.52	$70.52	$70.52	$70.52	$70.52	$70.52		3,837	38
16:00	########	$8,305.06	$1,704.06	$5,166.00	########	$71.75	$71.75	$71.75	$71.75	$71.75	$71.75		3,837	43
16:15	########	$9,425.79	$2,489.14	$5,454.15	########	$73.21	$73.21	$73.21	$73.21	$73.21	$73.21		3,754	46
16:30	########	########	$4,687.18	$4,722.96	########	$71.56	$71.56	$71.56	$71.56	$71.56	$71.56		3,754	55
16:45	$5,381.60	########	$5,381.60	$1,514.09	########	$65.83	$65.83	$65.83	$65.83	$65.83	$65.83		3,754	55
17:00	$5,454.05	########	$5,454.05	$1,614.80	########	$65.91	$65.91	$65.91	$65.91	$65.91	$65.91		3,754	57
17:15	$8,556.89	########	$6,514.72	$2,362.85	########	$67.51	$67.51	$67.51	$67.51	$67.51	$67.51		3,667	61
17:30	$6,039.84	########	$5,609.60	$1,538.92	########	$66.19	$66.19	$66.19	$66.19	$66.19	$66.19		3,667	57
17:45	$4,491.09	########	$4,442.63	$597.74	########	$64.62	$64.62	$64.62	$64.62	$64.62	$64.62		3,667	54
18:00	$3,095.82	########	$2,211.30	########	########	$63.18	$63.18	$63.18	$63.18	$63.18	$63.18		3,667	51
18:15	$3,759.90	########	$2,431.10	########	########	$60.40	$60.40	$60.40	$60.40	$60.40	$60.40		4,133	47
18:30	$1,685.40	########	$2,401.32	########	$9,396.45	$59.66	$59.66	$59.66	$59.66	$59.66	$59.66		4,133	45
18:45	-$754.00	########	$2,305.50	########	$3,059.50	$58.00	$58.00	$58.00	$58.00	$58.00	$58.00		4,133	45
19:00	-$716.63	########	########	########	########	$58.50	$58.50	$58.50	$58.50	$58.50	$58.50		4,133	35
19:15	$8,448.35	########	########	########	########	$62.93	$62.93	$62.93	$62.93	$62.93	$62.93		4,138	37
19:30	$6,629.13	$7,370.75	########	########	$4,555.64	$60.54	$60.54	$60.54	$60.54	$60.54	$60.54		4,138	30
19:45	$1,268.08	$6,931.21	########	########	########	$57.64	$57.64	$57.64	$57.64	$57.64	$57.64		4,138	28
20:00	########	$5,992.36	########	########	########	$54.85	$54.85	$54.85	$54.85	$54.85	$54.85		4,138	28
20:15	$2,170.63	$9,329.38	########	########	########	$57.50	$57.50	$57.50	$57.50	$57.50	$57.50		4,230	36
20:30	$3,667.92	$8,326.77	########	########	-$207.06	$59.16	$59.16	$59.16	$59.16	$59.16	$59.16		4,230	34
20:45	$4,444.50	$6,874.16	########	########	-$874.08	$59.26	$59.26	$59.26	$59.26	$59.26	$59.26		4,230	32
21:00	$5,889.44	$5,543.00	########	########	-$346.44	$60.25	$60.25	$60.25	$60.25	$60.25	$60.25		4,230	31
21:15	$9,930.11	$6,762.61	########	########	$6,825.96	$63.35	$63.35	$63.35	$63.35	$63.35	$63.35		3,885	32
21:30	$7,001.31	$4,970.16	########	########	$2,523.55	$61.55	$61.55	$61.55	$61.55	$61.55	$61.55		3,885	28
21:45	$2,303.51	$3,216.23	########	########	########	$57.95	$57.95	$57.95	$57.95	$57.95	$57.95		3,885	25
22:00	########	$2,080.93	########	########	########	$54.05	$54.05	$54.05	$54.05	$54.05	$54.05		3,885	22
22:15	########	$6,559.95	$844.35	########	########	$64.95	$64.95	$64.95	$64.95	$64.95	$64.95		5,677	48
22:30	########	$4,987.24	########	$9,056.19	########	$63.33	$63.33	$63.33	$63.33	$63.33	$63.33		5,677	44
22:45	########	$2,495.50	########	$6,031.98	########	$57.04	$57.04	$57.04	$57.04	$57.04	$57.04		5,677	41
23:00	$8,821.27	-$611.88	########	$2,371.04	$9,025.23	$50.99	$50.99	$50.99	$50.99	$50.99	$50.99		5,677	32
23:15	########	$7,716.01	$2,329.67	$8,938.67	########	$66.09	$66.09	$66.09	$66.09	$66.09	$66.09		5,052	57
23:30	########	$6,847.25	-$640.50	$4,346.25	########	$61.00	$61.00	$61.00	$61.00	$61.00	$61.00		5,052	45
23:45	########	$5,471.77	-$592.31	$620.51	########	$56.41	$56.41	$56.41	$56.41	$56.41	$56.41		5,052	39
0:00	$8,493.17	$2,716.28	-$535.61	-$918.18	$9,755.66	$51.01	$51.01	$51.01	$51.01	$51.01	$51.01		5,052	32

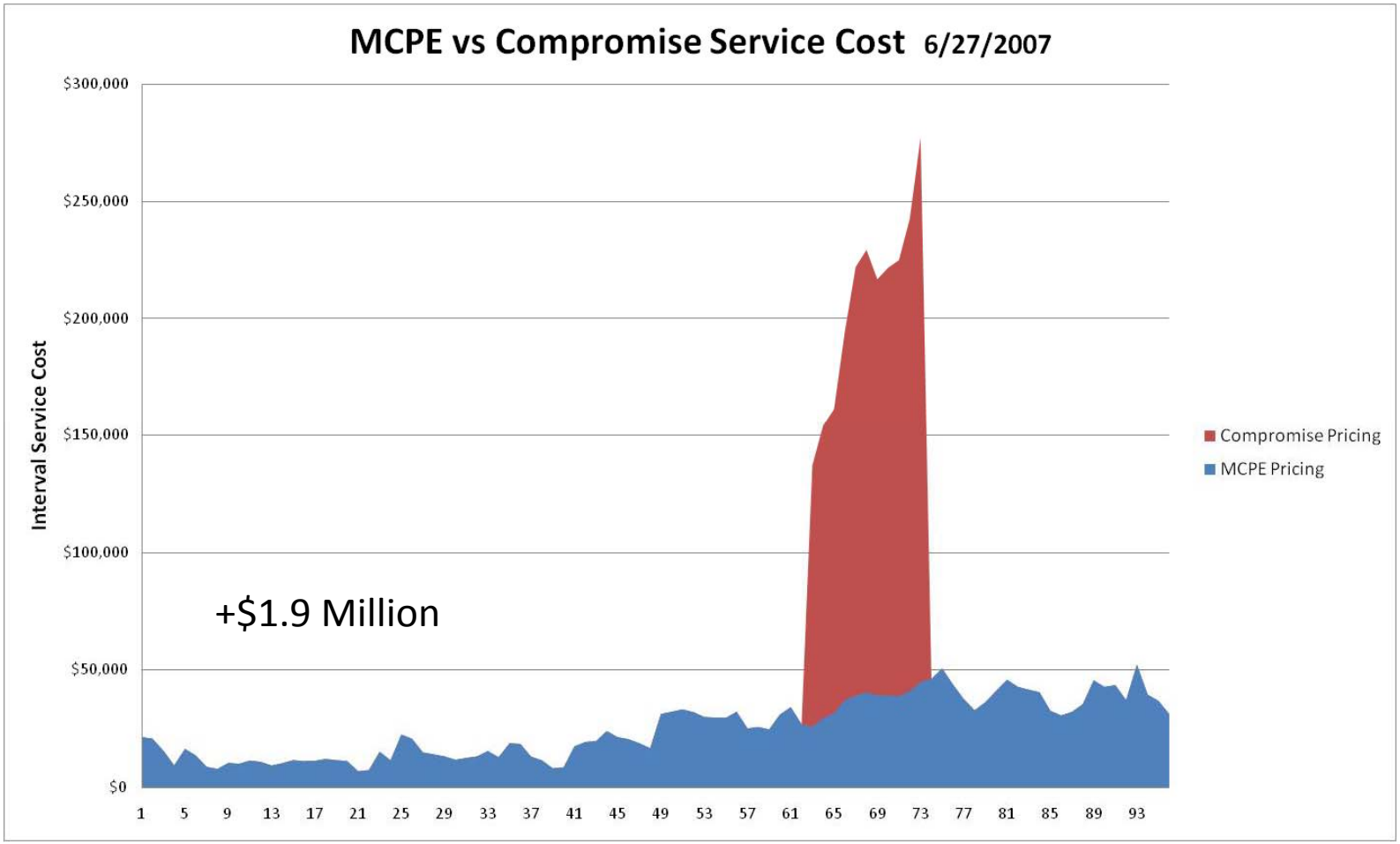
June 27, 2007


BES History June 27, 2007
BES and NSRS, MW
MCPE, $/MWh
Advisory
Alert
Advisory
3,000
2,500
2,000
1,500
1,000
500
0
-500
-1,000
-1,500
-2,000
$150.00
$125.00
$100.00
$75.00
$50.00
$25.00
$0.00
-$25.00
-$50.00
-$75.00
-$100.00
1
5
9
13
17
21
25
29
33
37
41
45
49
53
57
61
65
69
73
77
81
85
89
93
H
W
S
N
Net Total
MCPE

Pricing Comparison
6/27/2007



BES Cost Comparison
6/27/2007



June 29, 2007

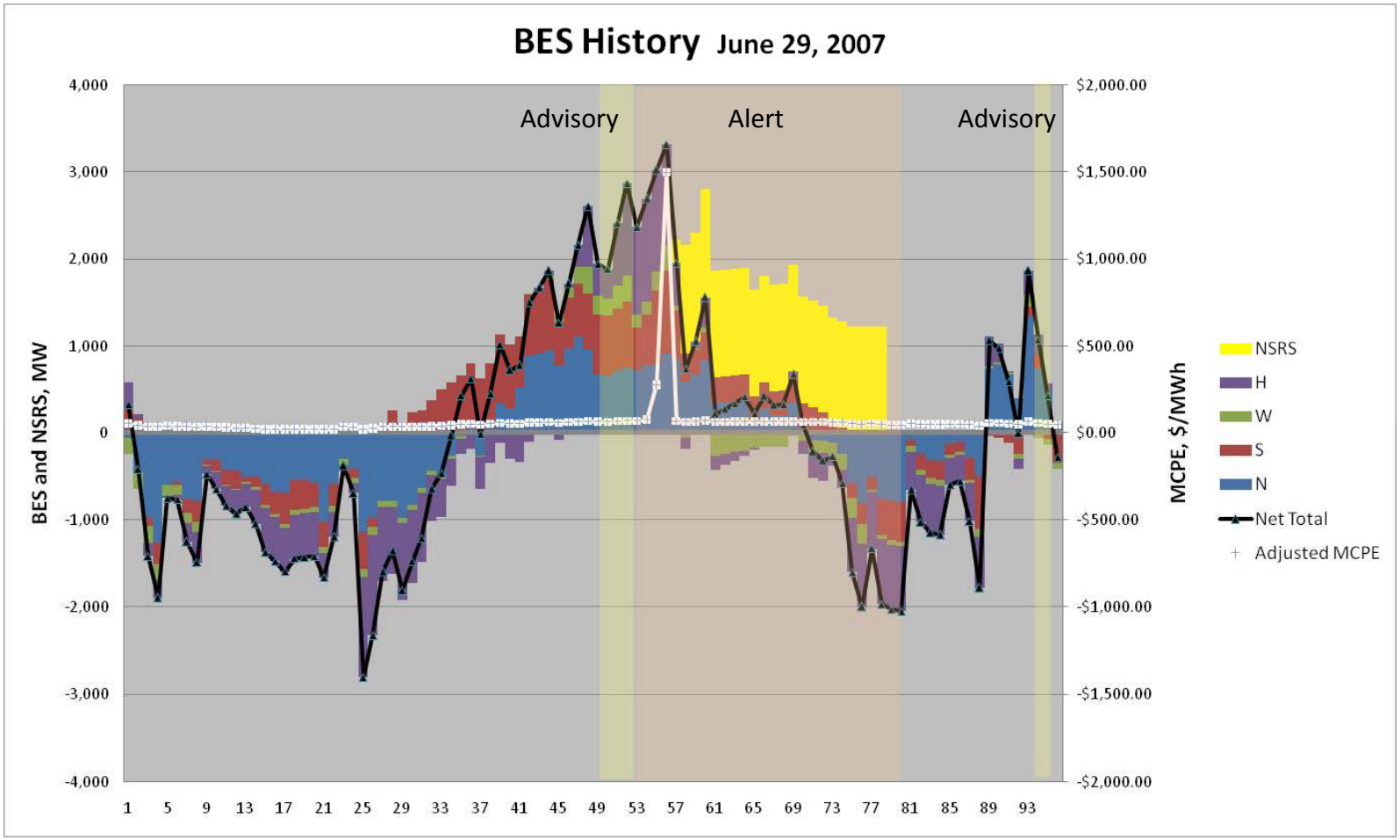
Balancing Energy Information for Mark 29-Jun-07

Interval Ending	MCPE Results				BES Deployments							
	Price				DBES MW				UBES MW			
29-Jun-07	N	S	W	H	N	S	W	H	N	S	W	H
0:15	$53.97	$53.97	$53.97	$53.97	627	0	190	186	569	279	0	484
0:30	$41.11	$41.11	$41.11	$41.11	797	0	190	200	346	169	0	252
0:45	$34.82	$34.82	$34.82	$34.82	1,102	256	190	400	121	167	0	246
1:00	$34.10	$34.10	$34.10	$34.10	1,260	409	190	445	0	166	0	246
1:15	$37.30	$37.30	$37.30	$37.30	593	39	120	245	0	30	0	216
1:30	$37.00	$37.00	$37.00	$37.00	569	56	120	266	0	30	0	216
1:45	$34.67	$34.67	$34.67	$34.67	760	185	120	413	0	30	0	198
2:00	$33.00	$33.00	$33.00	$33.00	785	264	120	515	0	30	0	166
2:15	$34.20	$34.20	$34.20	$34.20	428	280	14	425	118	220	0	333
2:30	$32.50	$32.50	$32.50	$32.50	493	340	14	529	180	220	0	331
2:45	$29.58	$29.58	$29.58	$29.58	610	389	14	550	178	220	0	327
3:00	$26.00	$26.00	$26.00	$26.00	610	423	19	550	174	220	0	280
3:15	$25.89	$25.89	$25.89	$25.89	648	323	24	505	142	263	0	243
3:30	$23.32	$23.32	$23.32	$23.32	648	297	29	505	140	181	0	114
3:45	$19.29	$19.29	$19.29	$19.29	648	318	34	505	64	70	0	0
4:00	$19.27	$19.27	$19.27	$19.27	681	318	39	505	0	70	0	0
4:15	$19.27	$19.27	$19.27	$19.27	691	408	44	505	0	57	0	0
4:30	$19.29	$19.29	$19.29	$19.29	651	408	49	505	114	57	0	0
4:45	$19.29	$19.29	$19.29	$19.29	651	383	54	505	107	57	0	0
5:00	$19.29	$19.29	$19.29	$19.29	651	333	59	505	73	57	0	0
5:15	$18.89	$18.89	$18.89	$18.89	1,019	341	64	284	0	47	0	0
5:30	$19.84	$19.84	$19.84	$19.84	673	313	69	284	85	62	0	0
5:45	$34.82	$34.82	$34.82	$34.82	466	141	64	245	166	205	0	168
6:00	$31.57	$31.57	$31.57	$31.57	584	291	59	284	166	189	0	168
6:15	$19.29	$19.29	$19.29	$19.29	1,218	488	86	1,155	80	63	0	0
6:30	$25.60	$25.60	$25.60	$25.60	1,218	453	85	1,155	236	353	0	0
6:45	$34.20	$34.20	$34.20	$34.20	1,016	381	76	847	236	488	0	0
7:00	$34.80	$34.80	$34.80	$34.80	1,016	230	70	767	236	494	0	0
7:15	$34.00	$34.00	$34.00	$34.00	1,161	304	66	878	189	412	0	0
7:30	$34.39	$34.39	$34.39	$34.39	1,015	178	61	830	189	418	0	0
7:45	$34.82	$34.82	$34.82	$34.82	827	161	55	783	189	427	0	0
8:00	$36.93	$36.93	$36.93	$36.93	626	86	49	531	189	461	0	0
8:15	$37.92	$37.92	$37.92	$37.92	566	51	44	436	81	551	0	0
8:30	$42.09	$42.09	$42.09	$42.09	347	12	32	316	81	591	0	0
8:45	$48.17	$48.17	$48.17	$48.17	224	0	24	274	182	666	0	100
9:00	$49.38	$49.38	$49.38	$49.38	171	0	19	264	291	686	0	100
9:15	$45.53	$45.53	$45.53	$45.53	347	17	14	366	79	647	0	0
9:30	$51.99	$51.99	$51.99	$51.99	201	0	14	329	271	726	0	0
9:45	$56.79	$56.79	$56.79	$56.79	10	0	14	129	347	800	0	22
10:00	$53.50	$53.50	$53.50	$53.50	36	0	14	289	321	739	0	2
10:15	$51.99	$51.99	$51.99	$51.99	93	0	14	335	613	593	14	0
10:30	$59.45	$59.45	$59.45	$59.45	19	0	14	138	911	705	19	36
10:45	$59.45	$59.45	$59.45	$59.45	19	0	14	0	930	721	19	36
11:00	$61.59	$61.59	$61.59	$61.59	19	0	0	0	972	805	46	66
11:15	$57.87	$57.87	$57.87	$57.87	36	0	14	113	814	488	95	29
11:30	$61.35	$61.35	$61.35	$61.35	35	0	0	0	1,002	591	111	50
11:45	$63.19	$63.19	$63.19	$63.19	35	0	0	0	1,141	607	198	254
12:00	$66.85	$66.85	$66.85	$66.85	236	0	0	0	1,201	635	317	695
12:15	$64.21	$64.21	$64.21	$64.21	133	0	0	0	810	691	210	364
12:30	$63.80	$63.80	$63.80	$63.80	138	0	0	0	803	690	190	338
12:45	$65.95	$65.95	$65.95	$65.95	116	0	0	0	836	711	269	717
13:00	$68.25	$68.25	$68.25	$68.25	118	0	0	0	871	758	298	1,062
13:15	$68.71	$68.71	$68.71	$68.71	129	0	0	0	848	489	154	1,005
13:30	$76.21	$76.21	$76.21	$76.21	128	0	0	0	900	586	157	1,179
13:45	$277.65	$277.65	$277.65	$277.65	177	0	0	0	967	842	223	1,172
14:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	165	0	0	0	1,080	954	295	1,159
14:15	$66.95	$66.95	$66.95	$66.95	23	0	0	0	870	566	52	488
14:30	$63.56	$63.56	$63.56	$63.56	30	0	64	172	627	320	1	54
14:45	$64.88	$64.88	$64.88	$64.88	30	0	0	74	705	284	12	158
15:00	$70.86	$70.86	$70.86	$70.86	30	0	0	0	863	328	52	345
15:15	$63.40	$63.40	$63.40	$63.40	108	5	327	196	457	294	66	35
15:30	$63.71	$63.71	$63.71	$63.71	99	1	308	175	453	294	66	45
15:45	$63.99	$63.99	$63.99	$63.99	93	0	290	154	462	294	66	55
16:00	$64.39	$64.39	$64.39	$64.39	85	0	271	127	469	294	66	70
16:15	$64.22	$64.22	$64.22	$64.22	337	0	208	97	480	278	31	77
16:30	$64.79	$64.79	$64.79	$64.79	327	0	194	75	616	282	31	90
16:45	$64.43	$64.43	$64.43	$64.43	327	0	194	82	527	281	31	85
17:00	$64.59	$64.59	$64.59	$64.59	327	0	194	82	530	281	31	90
17:15	$65.49	$65.49	$65.49	$65.49	284	48	166	53	634	366	131	98
17:30	$63.26	$63.26	$63.26	$63.26	404	80	256	173	425	399	163	18
17:45	$62.91	$62.91	$62.91	$62.91	466	89	302	296	382	386	163	5
18:00	$62.71	$62.71	$62.71	$62.71	480	90	302	324	382	326	163	4
18:15	$59.60	$59.60	$59.60	$59.60	492	137	240	182	375	244	63	96
18:30	$57.27	$57.27	$57.27	$57.27	621	159	240	295	374	219	58	87
18:45	$52.53	$52.53	$52.53	$52.53	787	254	240	688	209	81	18	64
19:00	$50.11	$50.11	$50.11	$50.11	884	283	240	760	76	51	0	43
19:15	$54.08	$54.08	$54.08	$54.08	679	240	50	698	167	96	24	52
19:30	$48.86	$48.86	$48.86	$48.86	786	440	50	758	23	32	0	13
19:45	$44.76	$44.76	$44.76	$44.76	786	481	50	756	4	32	0	14
20:00	$44.50	$44.50	$44.50	$44.50	795	489	50	758	1	32	0	13
20:15	$53.80	$53.80	$53.80	$53.80	410	289	64	560	327	218	0	126
20:30	$49.47	$49.47	$49.47	$49.47	495	352	64	614	254	168	0	76
20:45	$48.51	$48.51	$48.51	$48.51	498	342	64	628	184	138	0	64
21:00	$48.45	$48.45	$48.45	$48.45	498	344	64	628	175	124	0	64
21:15	$50.11	$50.11	$50.11	$50.11	362	260	36	435	236	135	0	126
21:30	$50.30	$50.30	$50.30	$50.30	337	256	36	432	237	138	0	129
21:45	$45.89	$45.89	$45.89	$45.89	390	344	36	490	103	90	0	50
22:00	$38.98	$38.98	$38.98	$38.98	498	601	91	586	0	0	0	0
22:15	$57.17	$57.17	$57.17	$57.17	197	180	64	142	943	143	82	483
22:30	$55.07	$55.07	$55.07	$55.07	154	218	64	192	946	158	82	415
22:45	$51.85	$51.85	$51.85	$51.85	165	306	64	295	845	188	82	306
23:00	$48.28	$48.28	$48.28	$48.28	222	365	64	295	624	124	0	189
23:15	$64.47	$64.47	$64.47	$64.47	0	112	0	209	1,337	224	147	482
23:30	$55.37	$55.37	$55.37	$55.37	73	57	64	132	818	207	2	373
23:45	$49.88	$49.88	$49.88	$49.88	171	170	64	218	654	97	0	301

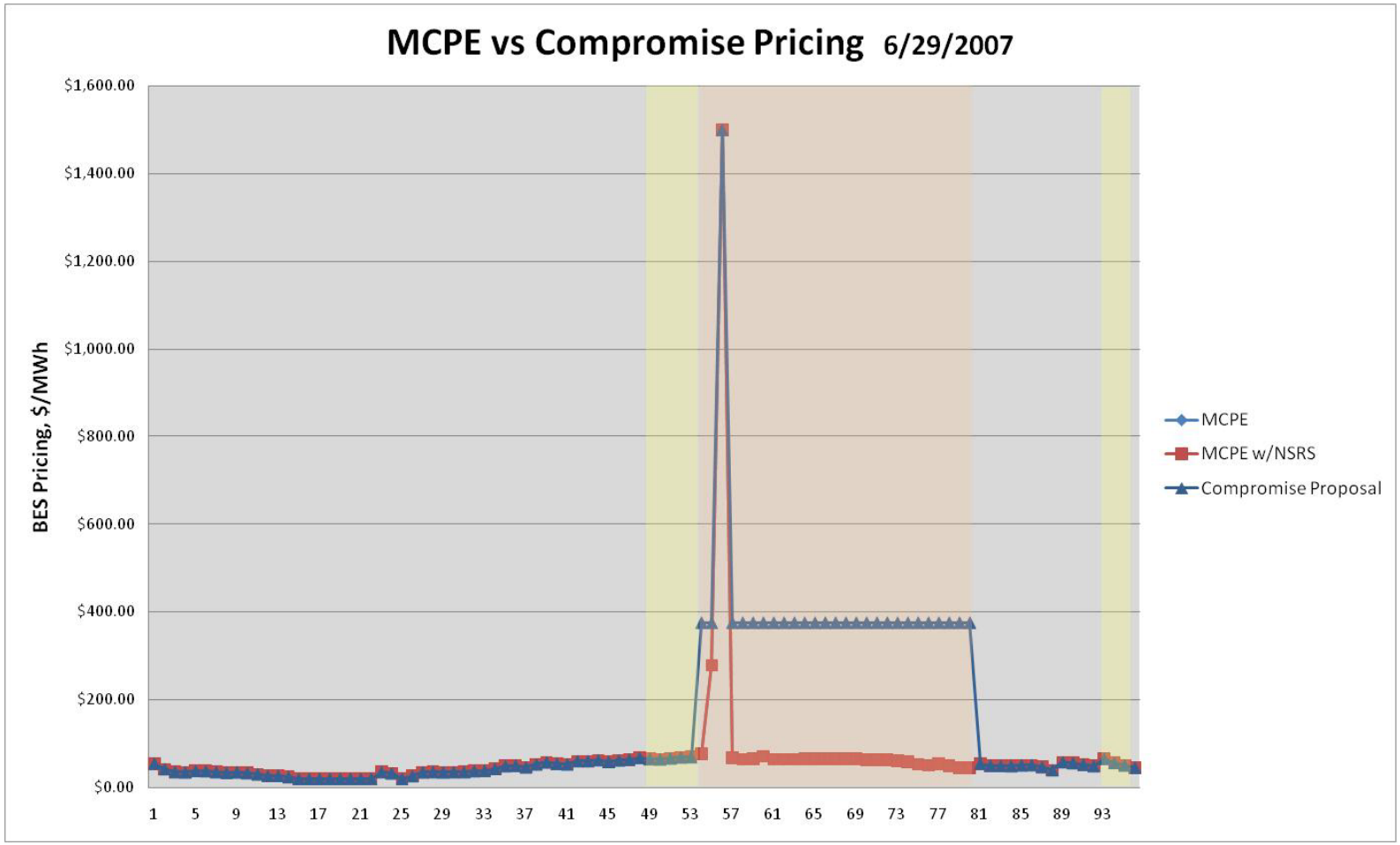
Interval Ending	BES Deployments					BES Cost ($)				
	Net BES MW (UBES - DBES)					Net BES (MWh) x MCPE				
29-Jun-07	N	S	W	H	ALL ZONES	N	S	W	H	ALL ZONES
0:15	-58	279	-190	298	329	-$782.57	$3,764.41	########	$4,020.77	$4,439.03
0:30	-451	169	-190	52	-420	########	$1,736.90	########	$534.43	########
0:45	-981	-89	-190	-154	-1,414	########	-$774.75	########	########	########
1:00	-1,260	-243	-190	-199	-1,892	########	########	########	########	########
1:15	-593	-9	-120	-29	-751	########	-$83.93	########	-$270.43	########
1:30	-569	-26	-120	-50	-765	########	-$240.50	########	-$462.50	########
1:45	-760	-155	-120	-215	-1,250	########	########	########	########	########
2:00	-785	-234	-120	-349	-1,488	########	########	-$990.00	########	########
2:15	-310	-60	-14	-92	-476	########	-$513.00	-$119.70	-$786.60	########
2:30	-313	-120	-14	-198	-645	########	-$975.00	-$113.75	########	########
2:45	-432	-169	-14	-223	-838	########	########	-$103.53	########	########
3:00	-436	-203	-19	-270	-928	########	########	-$123.50	########	########
3:15	-506	-60	-24	-262	-852	########	-$388.35	-$155.34	########	########
3:30	-508	-116	-29	-391	-1,044	########	-$676.28	-$169.07	########	########
3:45	-584	-248	-34	-505	-1,371	########	########	-$163.97	########	########
4:00	-681	-248	-39	-505	-1,473	########	########	-$187.88	########	########
4:15	-691	-351	-44	-505	-1,591	########	########	-$211.97	########	########
4:30	-537	-351	-49	-505	-1,442	########	########	-$236.30	########	########
4:45	-544	-326	-54	-505	-1,429	########	########	-$260.42	########	########
5:00	-578	-276	-59	-505	-1,418	########	########	-$284.53	########	########
5:15	-1,019	-294	-64	-284	-1,661	########	########	-$302.24	########	########
5:30	-588	-251	-69	-284	-1,192	########	########	-$342.24	########	########
5:45	-300	64	-64	-77	-377	########	$557.12	-$557.12	-$670.29	########
6:00	-418	-102	-59	-116	-695	########	-$805.04	-$465.66	-$915.53	########
6:15	-1,138	-425	-86	-1,155	-2,804	########	########	-$414.74	########	########
6:30	-982	-100	-85	-1,155	-2,322	########	-$640.00	-$544.00	########	########
6:45	-780	107	-76	-847	-1,596	########	$914.85	-$649.80	########	########
7:00	-780	264	-70	-767	-1,353	########	$2,296.80	-$609.00	########	########
7:15	-972	108	-66	-878	-1,808	########	$918.00	-$561.00	########	########
7:30	-826	240	-61	-830	-1,477	########	$2,063.40	-$524.45	########	########
7:45	-638	266	-55	-783	-1,210	########	$2,315.53	-$478.78	########	########
8:00	-437	375	-49	-531	-642	########	$3,462.19	-$452.39	########	########
8:15	-485	500	-44	-436	-465	########	$4,740.00	-$417.12	########	########
8:30	-266	579	-32	-316	-35	########	$6,092.53	-$336.72	########	-$368.29
8:45	-42	666	-24	-174	426	-$505.79	$8,020.31	-$289.02	########	$5,130.11
9:00	120	686	-19	-164	623	$1,481.40	$8,468.67	-$234.56	########	$7,690.94
9:15	-268	630	-14	-366	-18	########	$7,170.98	-$159.36	########	-$204.89
9:30	70	726	-14	-329	453	$909.83	$9,436.19	-$181.97	########	$5,887.87
9:45	337	800	-14	-107	1,016	$4,784.56	########	-$198.77	########	########
10:00	285	739	-14	-287	723	$3,811.88	$9,884.13	-$187.25	########	$9,670.13
10:15	520	593	0	-335	778	$6,758.70	$7,707.52	$0.00	########	########
10:30	892	705	5	-102	1,500	########	########	$74.31	########	########
10:45	911	721	5	36	1,673	########	########	$74.31	$535.05	########
11:00	953	805	46	66	1,870	########	########	$708.29	$1,016.24	########
11:15	778	488	81	-84	1,263	########	$7,060.14	$1,171.87	########	########
11:30	967	591	111	50	1,719	########	$9,064.46	$1,702.46	$766.88	########
11:45	1,106	607	198	254	2,165	########	$9,589.08	$3,127.91	$4,012.57	########
12:00	965	635	317	695	2,612	########	########	$5,297.86	########	########
12:15	677	691	210	364	1,942	########	########	$3,371.03	$5,843.11	########
12:30	665	690	190	338	1,883	########	########	$3,030.50	$5,391.10	########
12:45	720	711	269	717	2,417	########	########	$4,435.14	########	########
13:00	753	758	298	1,062	2,871	########	########	$5,084.63	########	########
13:15	719	489	154	1,005	2,367	########	$8,399.80	$2,645.34	########	########
13:30	772	586	157	1,179	2,694	########	########	$2,991.24	########	########
13:45	790	842	223	1,172	3,027	########	########	########	########	########
14:00	915	954	295	1,159	3,323	########	########	########	########	########
14:15	847	566	52	488	1,953	########	$9,473.43	$870.35	$8,167.90	########
14:30	597	320	-63	-118	736	$9,486.33	$5,084.80	########	########	########
14:45	675	284	12	84	1,055	########	$4,606.48	$194.64	$1,362.48	########
15:00	833	328	52	345	1,558	########	$5,810.52	$921.18	$6,111.68	########
15:15	349	289	-261	-161	216	$5,531.65	$4,580.65	########	########	$3,423.60
15:30	354	293	-242	-130	275	$5,638.34	$4,666.76	########	########	$4,380.06
15:45	369	294	-224	-99	340	$5,903.08	$4,703.27	########	########	$5,439.15
16:00	384	294	-205	-57	416	$6,181.44	$4,732.67	########	-$917.56	$6,696.56
16:15	143	278	-177	-20	224	$2,295.87	$4,463.29	########	-$321.10	$3,596.32
16:30	289	282	-163	15	423	$4,681.08	$4,567.70	########	$242.96	$6,851.54
16:45	200	281	-163	3	321	$3,221.50	$4,526.21	########	$48.32	$5,170.51
17:00	203	281	-163	8	329	$3,277.94	$4,537.45	########	$129.18	$5,312.53
17:15	350	318	-35	45	678	$5,730.38	$5,206.46	-$573.04	$736.76	########
17:30	21	319	-93	-155	92	$332.12	$5,044.99	########	########	$1,454.98
17:45	-84	297	-139	-291	-217	########	$4,671.07	########	########	########
18:00	-98	236	-139	-320	-321	########	$3,699.89	########	########	########
18:15	-117	107	-177	-86	-273	########	$1,594.30	########	########	########
18:30	-247	60	-182	-208	-577	########	$859.05	########	########	########
18:45	-578	-173	-222	-624	-1,597	########	########	########	########	########
19:00	-808	-232	-240	-717	-1,997	########	########	########	########	########
19:15	-512	-144	-26	-646	-1,328	########	########	-$351.52	########	########
19:30	-763	-408	-50	-745	-1,966	########	########	-$610.75	########	########
19:45	-782	-449	-50	-742	-2,023	########	########	-$559.50	########	########
20:00	-794	-457	-50	-745	-2,046	########	########	-$556.25	########	########
20:15	-83	-71	-64	-434	-652	########	-$954.95	-$860.80	########	########
20:30	-241	-184	-64	-538	-1,027	########	########	-$791.52	########	########
20:45	-314	-204	-64	-564	-1,146	########	########	-$776.16	########	########
21:00	-323	-220	-64	-564	-1,171	########	########	-$775.20	########	########
21:15	-126	-125	-36	-309	-596	########	########	-$450.99	########	########
21:30	-100	-118	-36	-303	-557	########	########	-$452.70	########	########
21:45	-287	-254	-36	-440	-1,017	########	########	-$413.01	########	########
22:00	-498	-601	-91	-586	-1,776	########	########	-$886.80	########	########
22:15	746	-37	18	341	1,068	########	-$528.82	$257.27	$4,873.74	########
22:30	792	-60	18	223	973	########	-$826.05	$247.82	$3,070.15	########
22:45	680	-118	18	11	591	$8,814.50	########	$233.33	$142.59	$7,660.84
23:00	402	-241	-64	-106	-9	$4,852.14	########	-$772.48	########	-$108.63
23:15	1,337	112	147	273	1,869	########	$1,805.16	$2,369.27	$4,400.08	########
23:30	745	150	-62	241	1,074	########	$2,076.38	-$858.24	$3,336.04	########
23:45	483	-73	-64	83	429	$6,023.01	-$910.31	-$798.08	$1,035.01	$5,349.63

Interval Ending	Trading Hub Prices						NSRS		
	Price						MW		%
29-Jun-07	N	S	W	H	ERCOT Hub Average	ERCOT Bus Average	NSRS Deployed	Total UBES Bid	UBES Awarded
0:15	$53.97	$53.97	$53.97	$53.97	$53.97	$53.97		3,954	34
0:30	$41.11	$41.11	$41.11	$41.11	$41.11	$41.11		3,954	19
0:45	$34.82	$34.82	$34.82	$34.82	$34.82	$34.82		3,954	14
1:00	$34.10	$34.10	$34.10	$34.10	$34.10	$34.10		3,954	10
1:15	$37.30	$37.30	$37.30	$37.30	$37.30	$37.30		3,849	6
1:30	$37.00	$37.00	$37.00	$37.00	$37.00	$37.00		3,849	6
1:45	$34.67	$34.67	$34.67	$34.67	$34.67	$34.67		3,849	6
2:00	$33.00	$33.00	$33.00	$33.00	$33.00	$33.00		3,849	5
2:15	$34.20	$34.20	$34.20	$34.20	$34.20	$34.20		4,389	15
2:30	$32.50	$32.50	$32.50	$32.50	$32.50	$32.50		4,389	17
2:45	$29.58	$29.58	$29.58	$29.58	$29.58	$29.58		4,389	17
3:00	$26.00	$26.00	$26.00	$26.00	$26.00	$26.00		4,389	15
3:15	$25.89	$25.89	$25.89	$25.89	$25.89	$25.89		4,615	14
3:30	$23.32	$23.32	$23.32	$23.32	$23.32	$23.32		4,615	9
3:45	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,615	3
4:00	$19.27	$19.27	$19.27	$19.27	$19.27	$19.27		4,615	2
4:15	$19.27	$19.27	$19.27	$19.27	$19.27	$19.27		4,435	1
4:30	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,435	4
4:45	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,435	4
5:00	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,435	3
5:15	$18.89	$18.89	$18.89	$18.89	$18.89	$18.89		4,224	1
5:30	$19.84	$19.84	$19.84	$19.84	$19.84	$19.84		4,224	3
5:45	$34.82	$34.82	$34.82	$34.82	$34.82	$34.82		4,224	13
6:00	$31.57	$31.57	$31.57	$31.57	$31.57	$31.57		4,224	12
6:15	$19.29	$19.29	$19.29	$19.29	$19.29	$19.29		4,236	3
6:30	$25.60	$25.60	$25.60	$25.60	$25.60	$25.60		4,236	14
6:45	$34.20	$34.20	$34.20	$34.20	$34.20	$34.20		4,236	17
7:00	$34.80	$34.80	$34.80	$34.80	$34.80	$34.80		4,236	17
7:15	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00		3,981	15
7:30	$34.39	$34.39	$34.39	$34.39	$34.39	$34.39		3,981	15
7:45	$34.82	$34.82	$34.82	$34.82	$34.82	$34.82		3,981	15
8:00	$36.93	$36.93	$36.93	$36.93	$36.93	$36.93		3,981	16
8:15	$37.92	$37.92	$37.92	$37.92	$37.92	$37.92		4,376	14
8:30	$42.09	$42.09	$42.09	$42.09	$42.09	$42.09		4,376	15
8:45	$48.17	$48.17	$48.17	$48.17	$48.17	$48.17		4,376	22
9:00	$49.38	$49.38	$49.38	$49.38	$49.38	$49.38		4,376	25
9:15	$45.53	$45.53	$45.53	$45.53	$45.53	$45.53		4,264	17
9:30	$51.99	$51.99	$51.99	$51.99	$51.99	$51.99		4,264	23
9:45	$56.79	$56.79	$56.79	$56.79	$56.79	$56.79		4,264	27
10:00	$53.50	$53.50	$53.50	$53.50	$53.50	$53.50		4,264	25
10:15	$51.99	$51.99	$51.99	$51.99	$51.99	$51.99		4,868	25
10:30	$59.45	$59.45	$59.45	$59.45	$59.45	$59.45		4,868	34
10:45	$59.45	$59.45	$59.45	$59.45	$59.45	$59.45		4,868	35
11:00	$61.59	$61.59	$61.59	$61.59	$61.59	$61.59		4,868	39
11:15	$57.87	$57.87	$57.87	$57.87	$57.87	$57.87		5,185	28
11:30	$61.35	$61.35	$61.35	$61.35	$61.35	$61.35		5,185	34
11:45	$63.19	$63.19	$63.19	$63.19	$63.19	$63.19		5,185	42
12:00	$66.85	$66.85	$66.85	$66.85	$66.85	$66.85		5,185	55
12:15	$64.21	$64.21	$64.21	$64.21	$64.21	$64.21		5,142	40
12:30	$63.80	$63.80	$63.80	$63.80	$63.80	$63.80		5,142	39
12:45	$65.95	$65.95	$65.95	$65.95	$65.95	$65.95		5,142	49
13:00	$68.25	$68.25	$68.25	$68.25	$68.25	$68.25		5,142	58
13:15	$68.71	$68.71	$68.71	$68.71	$68.71	$68.71		3,935	63
13:30	$76.21	$76.21	$76.21	$76.21	$76.21	$76.21		3,935	72
13:45	$277.65	$277.65	$277.65	$277.65	$277.65	$277.65		3,935	81
14:00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00		3,935	89
14:15	$66.95	$66.95	$66.95	$66.95	$66.95	$66.95	272	3,399	58
14:30	$63.56	$63.56	$63.56	$63.56	$63.56	$63.56	1,245	3,399	29
14:45	$64.88	$64.88	$64.88	$64.88	$64.88	$64.88	1,245	3,399	34
15:00	$70.86	$70.86	$70.86	$70.86	$70.86	$70.86	1,245	3,399	47
15:15	$63.40	$63.40	$63.40	$63.40	$63.40	$63.40	1,228	2,867	30
15:30	$63.71	$63.71	$63.71	$63.71	$63.71	$63.71	1,228	2,867	30
15:45	$63.99	$63.99	$63.99	$63.99	$63.99	$63.99	1,228	2,867	31
16:00	$64.39	$64.39	$64.39	$64.39	$64.39	$64.39	1,228	2,867	31
16:15	$64.22	$64.22	$64.22	$64.22	$64.22	$64.22	1,226	3,858	22
16:30	$64.79	$64.79	$64.79	$64.79	$64.79	$64.79	1,226	3,858	26
16:45	$64.43	$64.43	$64.43	$64.43	$64.43	$64.43	1,226	3,858	24
17:00	$64.59	$64.59	$64.59	$64.59	$64.59	$64.59	1,226	3,858	24
17:15	$65.49	$65.49	$65.49	$65.49	$65.49	$65.49	1,227	3,871	32
17:30	$63.26	$63.26	$63.26	$63.26	$63.26	$63.26	1,227	3,871	26
17:45	$62.91	$62.91	$62.91	$62.91	$62.91	$62.91	1,227	3,871	24
18:00	$62.71	$62.71	$62.71	$62.71	$62.71	$62.71	1,227	3,871	23
18:15	$59.60	$59.60	$59.60	$59.60	$59.60	$59.60	1,226	3,827	20
18:30	$57.27	$57.27	$57.27	$57.27	$57.27	$57.27	1,226	3,827	19
18:45	$52.53	$52.53	$52.53	$52.53	$52.53	$52.53	1,226	3,827	10
19:00	$50.11	$50.11	$50.11	$50.11	$50.11	$50.11	1,226	3,827	4
19:15	$54.08	$54.08	$54.08	$54.08	$54.08	$54.08	1,226	4,150	8
19:30	$48.86	$48.86	$48.86	$48.86	$48.86	$48.86	1,226	4,150	2
19:45	$44.76	$44.76	$44.76	$44.76	$44.76	$44.76		4,150	1
20:00	$44.50	$44.50	$44.50	$44.50	$44.50	$44.50		4,150	1
20:15	$53.80	$53.80	$53.80	$53.80	$53.80	$53.80		4,780	14
20:30	$49.47	$49.47	$49.47	$49.47	$49.47	$49.47		4,780	10
20:45	$48.51	$48.51	$48.51	$48.51	$48.51	$48.51		4,780	8
21:00	$48.45	$48.45	$48.45	$48.45	$48.45	$48.45		4,780	8
21:15	$50.11	$50.11	$50.11	$50.11	$50.11	$50.11		4,263	12
21:30	$50.30	$50.30	$50.30	$50.30	$50.30	$50.30		4,263	12
21:45	$45.89	$45.89	$45.89	$45.89	$45.89	$45.89		4,263	6
22:00	$38.98	$38.98	$38.98	$38.98	$38.98	$38.98		4,263	0
22:15	$57.17	$57.17	$57.17	$57.17	$57.17	$57.17		5,102	32
22:30	$55.07	$55.07	$55.07	$55.07	$55.07	$55.07		5,102	31
22:45	$51.85	$51.85	$51.85	$51.85	$51.85	$51.85		5,102	28
23:00	$48.28	$48.28	$48.28	$48.28	$48.28	$48.28		5,102	18
23:15	$64.47	$64.47	$64.47	$64.47	$64.47	$64.47		4,516	48
23:30	$55.37	$55.37	$55.37	$55.37	$55.37	$55.37		4,516	31
23:45	$49.88	$49.88	$49.88	$49.88	$49.88	$49.88		4,516	23

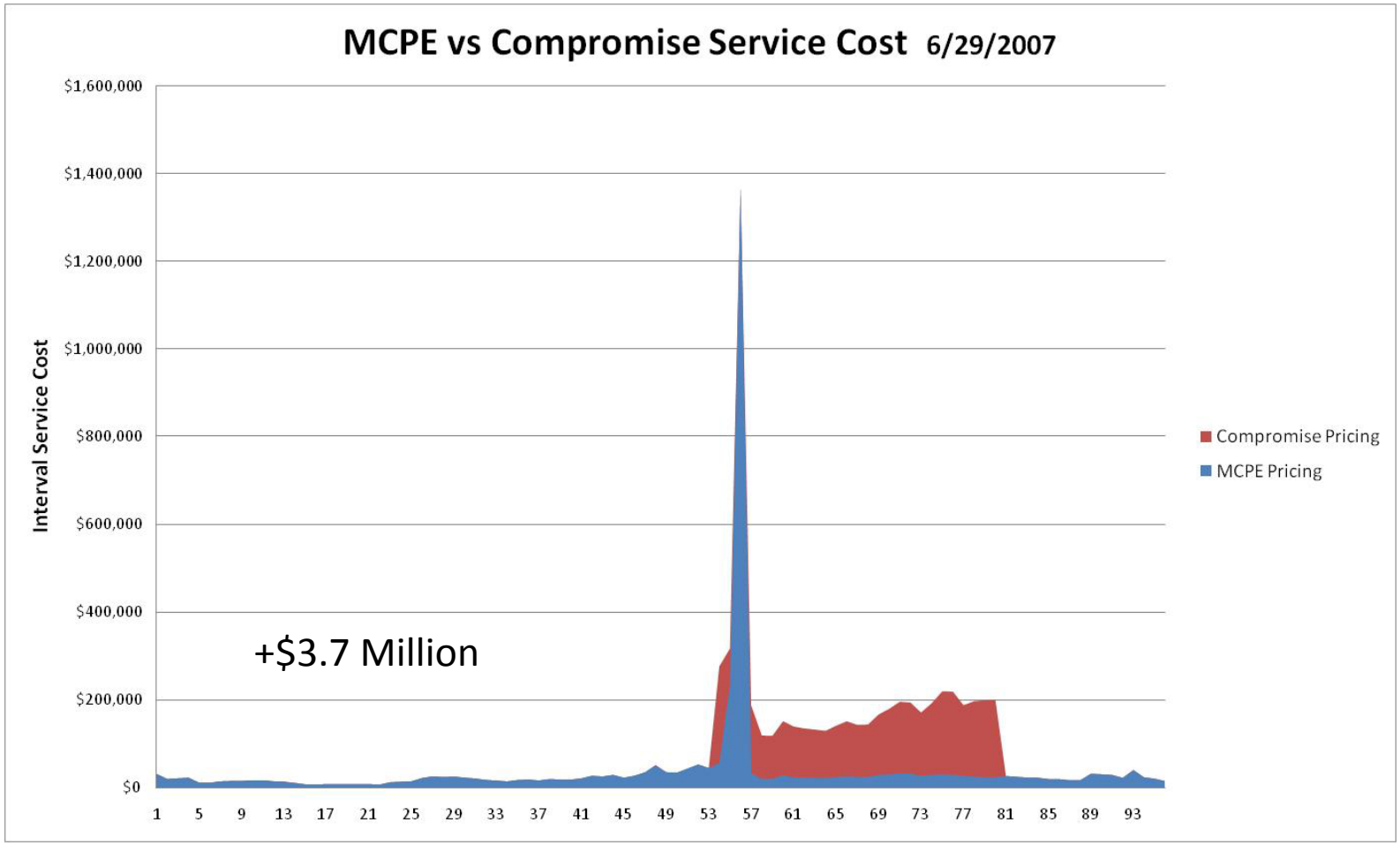
June 29, 2007


BES History June 29, 2007
Advisory
Alert
Advisory
BES and NSRS, MW
MCPE, $/MWh
4,000
3,000
2,000
1,000
0
-1,000
-2,000
-3,000
-4,000
$2,000.00
$1,500.00
$1,000.00
$500.00
$0.00
-$500.00
-$1,000.00
-$1,500.00
-$2,000.00
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
NSRS
H
W
S
N
Net Total
Adjusted MCPE

Pricing Comparison
6/29/2007



BES Cost Comparison
6/29/2007



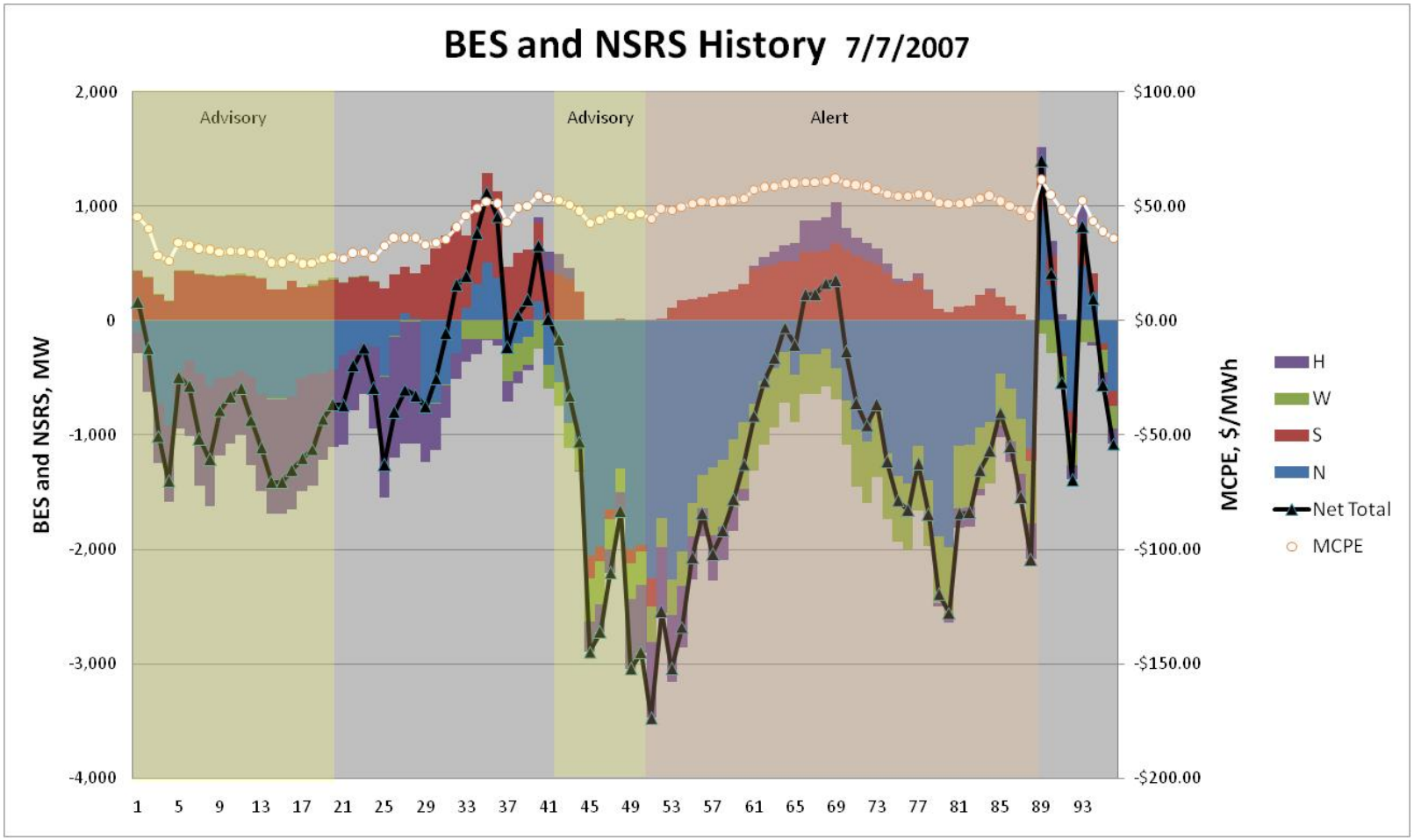
July 7, 2007

Balancing Energy Information for Mark 0-Jan-00

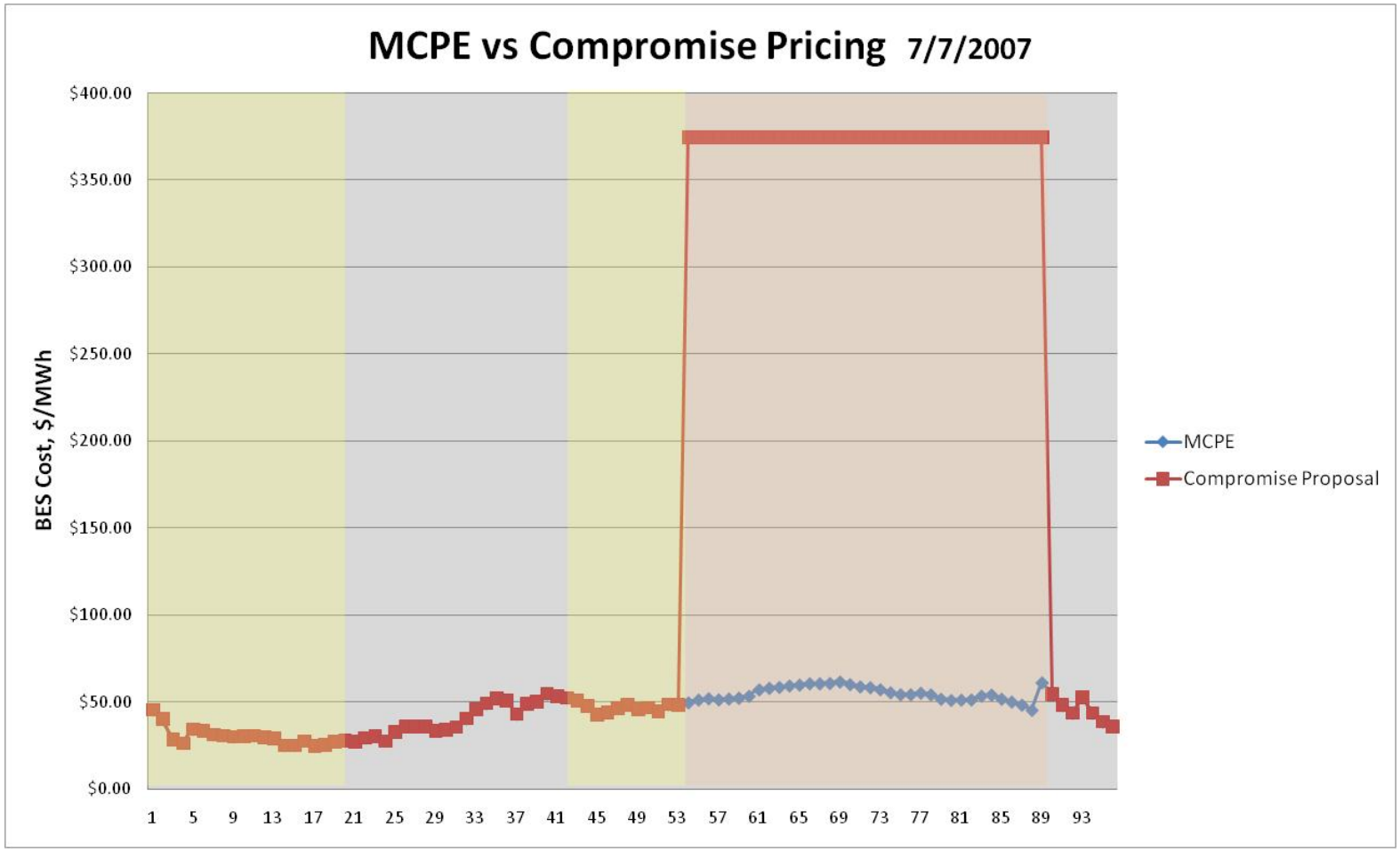
Interval Ending	MCPE Results				BES Deployments												
	Price				DBES MW				UBES MW				Net BES MW (UBES - DBES)				
00-Jan-00	N	S	W	H	N	S	W	H	N	S	W	H	N	S	W	H	ALL ZONES
0:15	$45.64	$45.64	$45.64	$45.64	382	0	0	284	275	436	11	108	-107	436	11	-176	164
0:30	$40.40	$40.40	$40.40	$40.40	409	0	0	286	69	376	11	0	-340	376	11	-286	-239
0:45	$28.58	$28.58	$28.58	$28.58	726	0	5	518	0	227	11	0	-726	227	6	-518	-1,011
1:00	$26.29	$26.29	$26.29	$26.29	919	0	10	667	0	181	11	0	-919	181	1	-667	-1,404
1:15	$34.38	$34.38	$34.38	$34.38	500	0	5	498	57	441	11	0	-443	441	6	-498	-494
1:30	$33.28	$33.28	$33.28	$33.28	408	0	0	661	57	429	11	0	-351	429	11	-661	-572
1:45	$31.19	$31.19	$31.19	$31.19	523	0	0	981	57	405	11	0	-466	405	11	-981	-1,031
2:00	$30.70	$30.70	$30.70	$30.70	623	0	0	1,058	57	399	11	0	-566	399	11	-1,058	-1,214
2:15	$29.98	$29.98	$29.98	$29.98	660	75	0	678	156	462	11	0	-504	387	11	-678	-784
2:30	$30.40	$30.40	$30.40	$30.40	648	75	0	582	156	470	11	0	-492	395	11	-582	-668
2:45	$30.57	$30.57	$30.57	$30.57	599	75	0	560	156	475	11	0	-443	400	11	-560	-592
3:00	$29.56	$29.56	$29.56	$29.56	649	75	0	768	156	457	11	0	-493	382	11	-768	-868
3:15	$28.89	$28.89	$28.89	$28.89	767	75	5	845	122	448	11	0	-645	373	6	-845	-1,111
3:30	$24.99	$24.99	$24.99	$24.99	803	75	10	994	122	349	0	0	-681	274	-10	-994	-1,411
3:45	$24.99	$24.99	$24.99	$24.99	801	75	11	994	122	349	0	0	-679	274	-11	-994	-1,410
4:00	$27.64	$27.64	$27.64	$27.64	782	75	11	994	122	424	11	0	-660	349	0	-994	-1,305
4:15	$24.63	$24.63	$24.63	$24.63	836	75	0	994	337	365	0	0	-499	290	0	-994	-1,203
4:30	$25.20	$25.20	$25.20	$25.20	799	75	0	978	338	380	11	0	-461	305	11	-978	-1,123
4:45	$27.28	$27.28	$27.28	$27.28	799	75	0	758	338	424	11	0	-461	349	11	-758	-859
5:00	$27.98	$27.98	$27.98	$27.98	765	75	0	679	338	437	11	0	-427	362	11	-679	-733
5:15	$27.09	$27.09	$27.09	$27.09	642	75	5	779	339	412	11	0	-303	337	6	-779	-739
5:30	$29.37	$29.37	$29.37	$29.37	595	75	0	522	339	450	11	0	-256	375	11	-522	-392
5:45	$30.16	$30.16	$30.16	$30.16	534	75	0	442	339	464	11	0	-195	389	11	-442	-237
6:00	$27.64	$27.64	$27.64	$27.64	563	75	5	716	339	421	11	0	-224	346	6	-716	-588
6:15	$32.71	$32.71	$32.71	$32.71	709	348	25	1,053	231	630	11	0	-478	282	-14	-1,053	-1,263
6:30	$35.84	$35.84	$35.84	$35.84	359	333	21	1,062	231	734	11	0	-128	401	-10	-1,062	-799
6:45	$35.84	$35.84	$35.84	$35.84	165	333	21	1,062	231	734	11	0	66	401	-10	-1,062	-605
7:00	$35.84	$35.84	$35.84	$35.84	214	333	21	1,062	231	734	11	0	17	401	-10	-1,062	-654
7:15	$33.30	$33.30	$33.30	$33.30	785	157	24	477	36	646	11	0	-749	489	-13	-477	-750
7:30	$34.20	$34.20	$34.20	$34.20	748	122	23	411	36	750	11	0	-712	628	-12	-411	-507
7:45	$35.70	$35.70	$35.70	$35.70	595	66	21	283	36	808	11	0	-559	742	-10	-283	-110
8:00	$40.56	$40.56	$40.56	$40.56	417	12	0	225	130	827	11	0	-287	815	11	-225	314
8:15	$46.05	$46.05	$46.05	$46.05	506	0	159	200	617	637	0	0	111	637	-159	-200	389
8:30	$49.27	$49.27	$49.27	$49.27	505	0	159	133	829	732	0	0	324	732	-159	-133	764
8:45	$52.13	$52.13	$52.13	$52.13	420	0	159	15	932	775	0	0	512	775	-159	-15	1,113
9:00	$51.00	$51.00	$51.00	$51.00	505	0	159	61	879	760	0	0	374	760	-159	-61	914
9:15	$43.12	$43.12	$43.12	$43.12	541	52	253	211	256	523	11	35	-285	471	-242	-176	-232
9:30	$49.03	$49.03	$49.03	$49.03	504	5	253	141	303	600	11	35	-201	595	-242	-106	46
9:45	$50.25	$50.25	$50.25	$50.25	504	0	253	91	364	619	11	35	-140	619	-242	-56	181
10:00	$54.91	$54.91	$54.91	$54.91	349	0	253	0	517	688	11	45	168	688	-242	45	659
10:15	$53.51	$53.51	$53.51	$53.51	644	25	316	0	261	455	106	176	-383	430	-210	176	13
10:30	$52.51	$52.51	$52.51	$52.51	737	55	316	0	202	460	103	175	-535	405	-213	175	-168
10:45	$50.75	$50.75	$50.75	$50.75	1,095	69	316	74	201	428	95	175	-894	359	-221	101	-655
11:00	$47.74	$47.74	$47.74	$47.74	1,131	93	316	176	67	346	72	175	-1,064	253	-244	-1	-1,056
11:15	$42.64	$42.64	$42.64	$42.64	2,059	233	381	311	0	35	11	43	-2,059	-198	-370	-268	-2,895
11:30	$44.07	$44.07	$44.07	$44.07	1,983	243	381	305	4	116	11	59	-1,979	-127	-370	-246	-2,722
11:45	$46.36	$46.36	$46.36	$46.36	1,953	213	381	284	300	135	111	80	-1,653	-78	-270	-204	-2,205
12:00	$48.25	$48.25	$48.25	$48.25	1,827	189	381	258	540	205	167	80	-1,287	16	-214	-178	-1,663
12:15	$45.91	$45.91	$45.91	$45.91	2,264	236	381	665	262	121	67	55	-2,002	-115	-314	-610	-3,041
12:30	$46.90	$46.90	$46.90	$46.90	2,253	221	381	648	290	169	90	55	-1,963	-52	-291	-593	-2,899
12:45	$44.55	$44.55	$44.55	$44.55	2,605	284	408	678	356	35	94	17	-2,249	-249	-314	-661	-3,473
13:00	$48.66	$48.66	$48.66	$48.66	2,041	196	381	629	320	213	118	55	-1,721	17	-263	-574	-2,541
13:15	$48.35	$48.35	$48.35	$48.35	2,535	96	390	617	271	207	80	35	-2,264	111	-310	-582	-3,045
13:30	$49.76	$49.76	$49.76	$49.76	2,294	104	390	578	276	282	93	35	-2,018	178	-297	-543	-2,680
13:45	$51.36	$51.36	$51.36	$51.36	1,854	72	390	413	260	260	102	35	-1,594	188	-288	-378	-2,072
14:00	$52.13	$52.13	$52.13	$52.13	1,611	65	390	285	260	268	105	35	-1,351	203	-285	-250	-1,683
14:15	$51.50	$51.50	$51.50	$51.50	1,715	90	695	437	435	326	101	35	-1,280	236	-594	-402	-2,040
14:30	$51.97	$51.97	$51.97	$51.97	1,648	83	695	327	435	342	103	35	-1,213	259	-592	-292	-1,838
14:45	$52.44	$52.44	$52.44	$52.44	1,473	77	695	245	435	355	105	35	-1,038	278	-590	-210	-1,560
15:00	$53.54	$53.54	$53.54	$53.54	1,318	59	695	142	435	379	110	35	-883	320	-585	-107	-1,255
15:15	$57.22	$57.22	$57.22	$57.22	1,097	0	685	28	370	449	104	57	-727	449	-581	29	-830
15:30	$58.09	$58.09	$58.09	$58.09	946	0	664	6	421	474	104	87	-525	474	-560	81	-530
15:45	$58.65	$58.65	$58.65	$58.65	834	0	623	0	421	493	104	109	-413	493	-519	109	-330
16:00	$59.48	$59.48	$59.48	$59.48	703	0	549	0	428	518	104	143	-275	518	-445	143	-59
16:15	$59.96	$59.96	$59.96	$59.96	829	25	523	0	362	540	102	160	-467	515	-421	160	-213
16:30	$60.76	$60.76	$60.76	$60.76	669	0	454	0	376	607	102	267	-293	607	-352	267	229
16:45	$60.76	$60.76	$60.76	$60.76	669	0	451	0	376	607	102	267	-293	607	-349	267	232
17:00	$60.96	$60.96	$60.96	$60.96	623	0	434	0	376	616	102	291	-247	616	-332	291	328
17:15	$61.76	$61.76	$61.76	$61.76	832	0	373	0	414	679	103	360	-418	679	-270	360	351
17:30	$60.26	$60.26	$60.26	$60.26	1,109	0	491	0	414	612	103	202	-695	612	-388	202	-269
17:45	$58.97	$58.97	$58.97	$58.97	1,362	0	599	0	407	569	103	160	-955	569	-496	160	-722
18:00	$58.50	$58.50	$58.50	$58.50	1,461	25	641	0	407	553	103	147	-1,054	528	-538	147	-917
18:15	$57.31	$57.31	$57.31	$57.31	1,330	25	695	0	543	516	116	144	-787	491	-579	144	-731
18:30	$55.55	$55.55	$55.55	$55.55	1,689	25	695	10	533	439	116	96	-1,156	414	-579	86	-1,235
18:45	$54.43	$54.43	$54.43	$54.43	1,885	32	695	19	532	359	112	57	-1,353	327	-583	38	-1,571
19:00	$54.43	$54.43	$54.43	$54.43	1,952	32	695	19	532	359	112	37	-1,420	327	-583	18	-1,658
19:15	$55.34	$55.34	$55.34	$55.34	1,722	51	695	12	625	427	129	50	-1,097	376	-566	38	-1,249
19:30	$54.36	$54.36	$54.36	$54.36	2,020	91	695	20	624	347	125	36	-1,396	256	-570	16	-1,694
19:45	$51.82	$51.82	$51.82	$51.82	2,511	187	695	63	624	294	114	35	-1,887	107	-581	-28	-2,389
20:00	$51.16	$51.16	$51.16	$51.16	2,604	205	695	106	624	282	111	35	-1,980	77	-584	-71	-2,558
20:15	$51.31	$51.31	$51.31	$51.31	1,796	196	646	209	706	321	98	35	-1,090	125	-548	-174	-1,687
20:30	$51.40	$51.40	$51.40	$51.40	1,793	193	646	208	711	322	98	35	-1,082	129	-548	-173	-1,674
20:45	$53.60	$53.60	$53.60	$53.60	1,647	122	646	91	711	346	108	35	-936	224	-538	-56	-1,306
21:00	$54.25	$54.25	$54.25	$54.25	1,595	92	646	15	711	353	111	35	-884	261	-535	20	-1,138
21:15	$51.86	$51.86	$51.86	$51.86	1,217	141	547	132	751	351	96	35	-466	210	-451	-97	-804
21:30	$50.19	$50.19	$50.19	$50.19	1,347	193	547	214	751	328	89	35	-596	135	-458	-179	-1,098
21:45	$48.40	$48.40	$48.40	$48.40	1,496	241	547	296	634	298	73	35	-862	57	-474	-261	-1,540
22:00	$45.40	$45.40	$45.40	$45.40	1,522	305	547	355	401	197	8	35	-1,121	-108	-539	-320	-2,088
22:15	$61.29	$61.29	$61.29	$61.29	64	72	114	171	1,023	385	0	413	959	313	-114	242	1,400
22:30	$54.78	$54.78	$54.78	$54.78	618	40	282	140	926	298	0	270	308	258	-282	130	414
22:45	$46.98	$47.71	$47.03	$48.19	908	203	282	143	612	190	0	195	-296	-13	-282	52	-539
23:00	$43.75	$43.75	$43.75	$43.75	1,021	282	282	185	233	85	0	62	-788	-197	-282	-123	-1,390
23:15	$52.74	$52.74	$52.74	$52.74	403	13	193	100	886	366	0	280	483	353	-193	180	823
23:30	$43.71	$43.71	$43.71	$43.71	444	51	193	114	692	215	0	89	248	164	-193	-25	194
23:45	$38.69	$38.69	$38.69	$38.69	583	206	195	116	385	150	0	0	-198	-56	-195	-116	-565
0:00	$36.00	$36.00	$36.00	$36.00	782	286	196	133	170	150	0	0	-612	-136	-196	-133	-1,077

Interval Ending	BES Cost ($)					Trading Hub Prices						NSRS		
	Net BES (MWh) x MCPE					Price						MW		%
00-Jan-00	N	S	W	H	ALL ZONES	N	S	W	H	ERCOT Hub Average	ERCOT Bus Average	NSRS Deployed	Total UBES Bid	UBES Awarded
0:15	########	$4,974.76	$125.51	########	$1,871.24	$45.64	$45.64	$45.64	$45.64	$45.64	$45.64		4,313	19
0:30	########	$3,797.60	$111.10	########	########	$40.40	$40.40	$40.40	$40.40	$40.40	$40.40		4,313	11
0:45	########	$1,621.92	$42.87	########	########	$28.58	$28.58	$28.58	$28.58	$28.58	$28.58		4,313	6
1:00	########	$1,189.62	$6.57	########	########	$26.29	$26.29	$26.29	$26.29	$26.29	$26.29		4,313	4
1:15	########	$3,790.40	$51.57	########	########	$34.38	$34.38	$34.38	$34.38	$34.38	$34.38		4,910	10
1:30	########	$3,569.28	$91.52	########	########	$33.28	$33.28	$33.28	$33.28	$33.28	$33.28		4,910	10
1:45	########	$3,157.99	$85.77	########	########	$31.19	$31.19	$31.19	$31.19	$31.19	$31.19		4,910	10
2:00	########	$3,062.33	$84.43	########	########	$30.70	$30.70	$30.70	$30.70	$30.70	$30.70		4,910	10
2:15	########	$2,900.57	$82.45	########	########	$29.98	$29.98	$29.98	$29.98	$29.98	$29.98		5,264	12
2:30	########	$3,002.00	$83.60	########	########	$30.40	$30.40	$30.40	$30.40	$30.40	$30.40		5,264	12
2:45	########	$3,057.00	$84.07	########	########	$30.57	$30.57	$30.57	$30.57	$30.57	$30.57		5,264	12
3:00	########	$2,822.98	$81.29	########	########	$29.56	$29.56	$29.56	$29.56	$29.56	$29.56		5,264	12
3:15	########	$2,693.99	$43.34	########	########	$28.89	$28.89	$28.89	$28.89	$28.89	$28.89		5,324	11
3:30	########	$1,711.82	-$62.48	########	########	$24.99	$24.99	$24.99	$24.99	$24.99	$24.99		5,324	9
3:45	########	$1,711.82	-$68.72	########	########	$24.99	$24.99	$24.99	$24.99	$24.99	$24.99		5,324	9
4:00	########	$2,411.59	$0.00	########	########	$27.64	$27.64	$27.64	$27.64	$27.64	$27.64		5,324	10
4:15	########	$1,785.68	$0.00	########	########	$24.63	$24.63	$24.63	$24.63	$24.63	$24.63		5,553	13
4:30	########	$1,921.50	$69.30	########	########	$25.20	$25.20	$25.20	$25.20	$25.20	$25.20		5,553	13
4:45	########	$2,380.18	$75.02	########	########	$27.28	$27.28	$27.28	$27.28	$27.28	$27.28		5,553	14
5:00	########	$2,532.19	$76.95	########	########	$27.98	$27.98	$27.98	$27.98	$27.98	$27.98		5,553	14
5:15	########	$2,282.33	$40.64	########	########	$27.09	$27.09	$27.09	$27.09	$27.09	$27.09		5,235	15
5:30	########	$2,753.44	$80.77	########	########	$29.37	$29.37	$29.37	$29.37	$29.37	$29.37		5,235	15
5:45	########	$2,933.06	$82.94	########	########	$30.16	$30.16	$30.16	$30.16	$30.16	$30.16		5,235	16
6:00	########	$2,390.86	$41.46	########	########	$27.64	$27.64	$27.64	$27.64	$27.64	$27.64		5,235	15
6:15	########	$2,306.06	-$114.49	########	########	$32.71	$32.71	$32.71	$32.71	$32.71	$32.71		5,126	17
6:30	########	$3,592.96	-$89.60	########	########	$35.84	$35.84	$35.84	$35.84	$35.84	$35.84		5,126	19
6:45	$591.36	$3,592.96	-$89.60	########	########	$35.84	$35.84	$35.84	$35.84	$35.84	$35.84		5,126	19
7:00	$152.32	$3,592.96	-$89.60	########	########	$35.84	$35.84	$35.84	$35.84	$35.84	$35.84		5,126	19
7:15	########	$4,070.93	-$108.23	########	########	$33.30	$33.30	$33.30	$33.30	$33.30	$33.30		5,091	14
7:30	########	$5,369.40	-$102.60	########	########	$34.20	$34.20	$34.20	$34.20	$34.20	$34.20		5,091	16
7:45	########	$6,622.35	-$89.25	########	-$981.75	$35.70	$35.70	$35.70	$35.70	$35.70	$35.70		5,091	17
8:00	########	$8,264.10	$111.54	########	$3,183.96	$40.56	$40.56	$40.56	$40.56	$40.56	$40.56		5,091	19
8:15	$1,277.89	$7,333.46	########	########	$4,478.36	$46.05	$46.05	$46.05	$46.05	$46.05	$46.05		5,349	23
8:30	$3,990.87	$9,016.41	########	########	$9,410.57	$49.27	$49.27	$49.27	$49.27	$49.27	$49.27		5,349	29
8:45	$6,672.64	########	########	-$195.49	########	$52.13	$52.13	$52.13	$52.13	$52.13	$52.13		5,349	32
9:00	$4,768.50	$9,690.00	########	-$777.75	########	$51.00	$51.00	$51.00	$51.00	$51.00	$51.00		5,349	31
9:15	########	$5,077.38	########	########	########	$43.12	$43.12	$43.12	$43.12	$43.12	$43.12		5,006	16
9:30	########	$7,293.21	########	########	$563.85	$49.03	$49.03	$49.03	$49.03	$49.03	$49.03		5,006	19
9:45	########	$7,776.19	########	-$703.50	$2,273.81	$50.25	$50.25	$50.25	$50.25	$50.25	$50.25		5,006	21
10:00	$2,306.22	$9,444.52	########	$617.74	$9,046.42	$54.91	$54.91	$54.91	$54.91	$54.91	$54.91		5,006	25
10:15	########	$5,752.33	########	$2,354.44	$173.91	$53.51	$53.51	$53.51	$53.51	$53.51	$53.51		5,121	19
10:30	########	$5,316.64	########	$2,297.31	########	$52.51	$52.51	$52.51	$52.51	$52.51	$52.51		5,121	18
10:45	########	$4,554.81	########	$1,281.44	########	$50.75	$50.75	$50.75	$50.75	$50.75	$50.75		5,121	18
11:00	########	$3,019.56	########	-$11.94	########	$47.74	$47.74	$47.74	$47.74	$47.74	$47.74		5,121	13
11:15	########	########	########	########	########	$42.64	$42.64	$42.64	$42.64	$42.64	$42.64		5,524	2
11:30	########	########	########	########	########	$44.07	$44.07	$44.07	$44.07	$44.07	$44.07		5,524	3
11:45	########	-$904.02	########	########	########	$46.36	$46.36	$46.36	$46.36	$46.36	$46.36		5,524	11
12:00	########	$193.00	########	########	########	$48.25	$48.25	$48.25	$48.25	$48.25	$48.25		5,524	18
12:15	########	########	########	########	########	$45.91	$45.91	$45.91	$45.91	$45.91	$45.91		5,095	10
12:30	########	-$609.70	########	########	########	$46.90	$46.90	$46.90	$46.90	$46.90	$46.90		5,095	12
12:45	########	########	########	########	########	$44.55	$44.55	$44.55	$44.55	$44.55	$44.55		5,095	10
13:00	########	$206.81	########	########	########	$48.66	$48.66	$48.66	$48.66	$48.66	$48.66		5,095	14
13:15	########	$1,341.71	########	########	########	$48.35	$48.35	$48.35	$48.35	$48.35	$48.35		3,927	15
13:30	########	$2,214.32	########	########	########	$49.76	$49.76	$49.76	$49.76	$49.76	$49.76		3,927	17
13:45	########	$2,413.92	########	########	########	$51.36	$51.36	$51.36	$51.36	$51.36	$51.36		3,927	17
14:00	########	$2,645.60	########	########	########	$52.13	$52.13	$52.13	$52.13	$52.13	$52.13		3,927	17
14:15	########	$3,038.50	########	########	########	$51.50	$51.50	$51.50	$51.50	$51.50	$51.50		3,743	24
14:30	########	$3,365.06	########	########	########	$51.97	$51.97	$51.97	$51.97	$51.97	$51.97		3,743	24
14:45	########	$3,644.58	########	########	########	$52.44	$52.44	$52.44	$52.44	$52.44	$52.44		3,743	25
15:00	########	$4,283.20	########	########	########	$53.54	$53.54	$53.54	$53.54	$53.54	$53.54		3,743	26
15:15	########	$6,422.95	########	$414.85	########	$57.22	$57.22	$57.22	$57.22	$57.22	$57.22		3,708	26
15:30	########	$6,883.67	########	$1,176.32	########	$58.09	$58.09	$58.09	$58.09	$58.09	$58.09		3,708	29
15:45	########	$7,228.61	########	$1,598.21	########	$58.65	$58.65	$58.65	$58.65	$58.65	$58.65		3,708	30
16:00	########	$7,702.66	########	$2,126.41	-$877.33	$59.48	$59.48	$59.48	$59.48	$59.48	$59.48		3,708	32
16:15	########	$7,719.85	########	$2,398.40	########	$59.96	$59.96	$59.96	$59.96	$59.96	$59.96		4,295	27
16:30	########	$9,220.33	########	$4,055.73	$3,478.51	$60.76	$60.76	$60.76	$60.76	$60.76	$60.76		4,295	31
16:45	########	$9,220.33	########	$4,055.73	$3,524.08	$60.76	$60.76	$60.76	$60.76	$60.76	$60.76		4,295	31
17:00	########	$9,387.84	########	$4,434.84	$4,998.72	$60.96	$60.96	$60.96	$60.96	$60.96	$60.96		4,295	32
17:15	########	########	########	$5,558.40	$5,419.44	$61.76	$61.76	$61.76	$61.76	$61.76	$61.76		4,264	36
17:30	########	$9,219.78	########	$3,043.13	########	$60.26	$60.26	$60.26	$60.26	$60.26	$60.26		4,264	31
17:45	########	$8,388.48	########	$2,358.80	########	$58.97	$58.97	$58.97	$58.97	$58.97	$58.97		4,264	29
18:00	########	$7,722.00	########	$2,149.88	########	$58.50	$58.50	$58.50	$58.50	$58.50	$58.50		4,264	28
18:15	########	$7,034.80	########	$2,063.16	########	$57.31	$57.31	$57.31	$57.31	$57.31	$57.31		4,765	28
18:30	########	$5,749.43	########	$1,194.33	########	$55.55	$55.55	$55.55	$55.55	$55.55	$55.55		4,765	25
18:45	########	$4,449.65	########	$517.09	########	$54.43	$54.43	$54.43	$54.43	$54.43	$54.43		4,765	22
19:00	########	$4,449.65	########	$244.94	########	$54.43	$54.43	$54.43	$54.43	$54.43	$54.43		4,765	22
19:15	########	$5,201.96	########	$525.73	########	$55.34	$55.34	$55.34	$55.34	$55.34	$55.34		4,862	25
19:30	########	$3,479.04	########	$217.44	########	$54.36	$54.36	$54.36	$54.36	$54.36	$54.36		4,862	23
19:45	########	$1,386.19	########	-$362.74	########	$51.82	$51.82	$51.82	$51.82	$51.82	$51.82		4,862	22
20:00	########	$984.83	########	-$908.09	########	$51.16	$51.16	$51.16	$51.16	$51.16	$51.16		4,862	22
20:15	########	$1,603.44	########	########	########	$51.31	$51.31	$51.31	$51.31	$51.31	$51.31		5,078	23
20:30	########	$1,657.65	########	########	########	$51.40	$51.40	$51.40	$51.40	$51.40	$51.40		5,078	23
20:45	########	$3,001.60	########	-$750.40	########	$53.60	$53.60	$53.60	$53.60	$53.60	$53.60		5,078	24
21:00	########	$3,539.81	########	$271.25	########	$54.25	$54.25	$54.25	$54.25	$54.25	$54.25		5,078	24
21:15	########	$2,722.65	########	########	########	$51.86	$51.86	$51.86	$51.86	$51.86	$51.86		5,054	24
21:30	########	$1,693.91	########	########	########	$50.19	$50.19	$50.19	$50.19	$50.19	$50.19		5,054	24
21:45	########	$689.70	########	########	########	$48.40	$48.40	$48.40	$48.40	$48.40	$48.40		5,054	21
22:00	########	########	########	########	########	$45.40	$45.40	$45.40	$45.40	$45.40	$45.40		5,054	13
22:15	########	$4,795.94	########	$3,708.05	########	$61.29	$61.29	$61.29	$61.29	$61.29	$61.29		4,692	39
22:30	$4,218.06	$3,533.31	########	$1,780.35	$5,669.73	$54.78	$54.78	$54.78	$54.78	$54.78	$54.78		4,692	32
22:45	########	-$155.06	########	$626.47	########	$46.98	$47.71	$47.03	$48.13	$47.46	$47.29		4,692	21
23:00	########	########	########	########	########	$43.75	$43.75	$43.75	$43.75	$43.75	$43.75		4,692	8
23:15	$6,368.36	$4,654.31	########	$2,373.30	########	$52.74	$52.74	$52.74	$52.74	$52.74	$52.74		5,235	29
23:30	$2,710.02	$1,792.11	########	-$273.19	$2,119.94	$43.71	$43.71	$43.71	$43.71	$43.71	$43.71		5,235	19
23:45	########	-$541.66	########	########	########	$38.69	$38.69	$38.69	$38.69	$38.69	$38.69		5,235	10
0:00	########	########	########	########	########	$36.00	$36.00	$36.00	$36.00	$36.00	$36.00		5,235	6

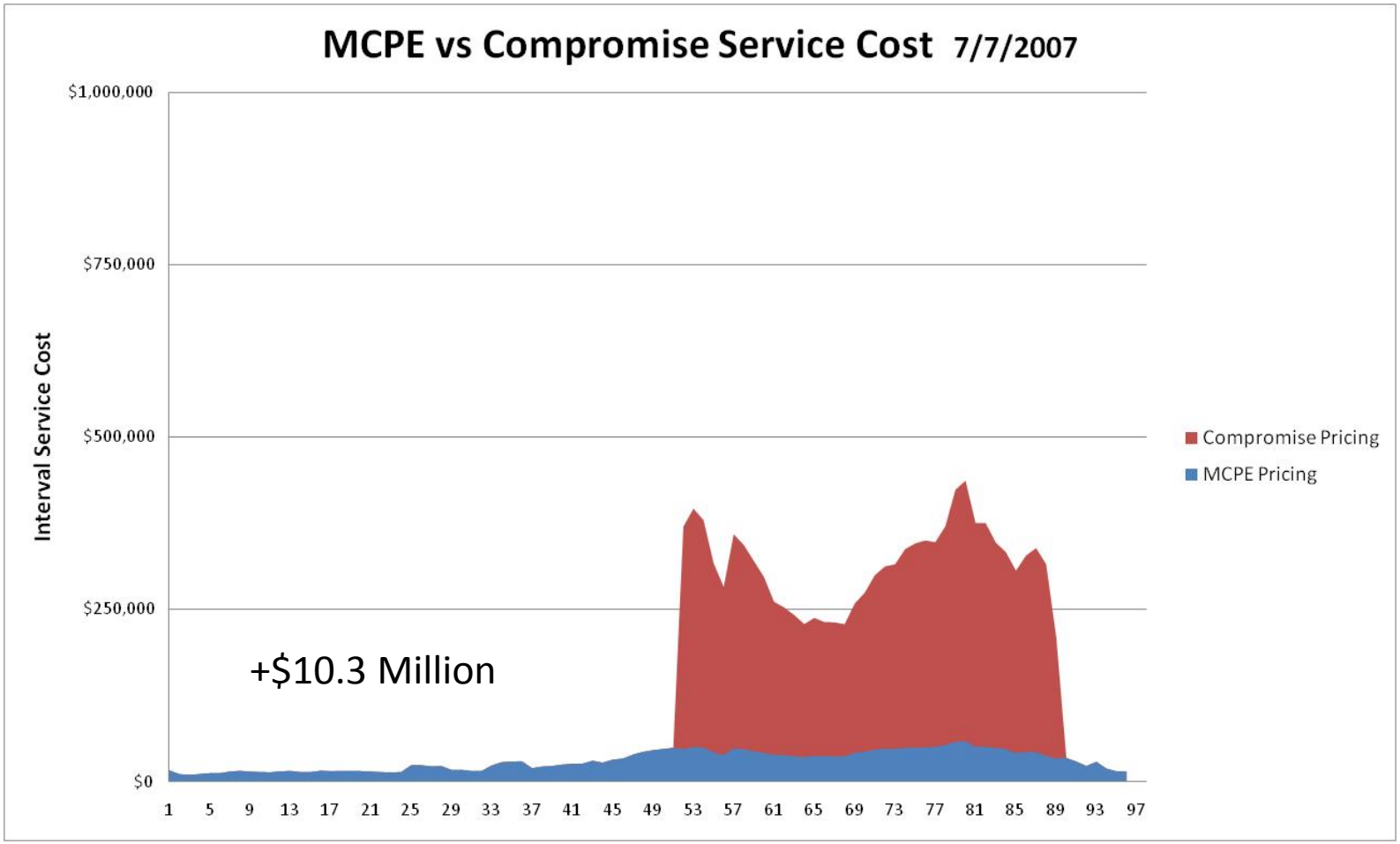
July 7, 2007


BES and NSRS History 7/7/2007
Advisory
Advisory
Alert
BES and NSRS, MW
MCPE, $/MWh
2,000
1,000
0
-1,000
-2,000
-3,000
-4,000
$100.00
$50.00
$0.00
-$50.00
-$100.00
-$150.00
-$200.00
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
H
W
S
N
Net Total
MCPE

Pricing Comparison
7/7/2007



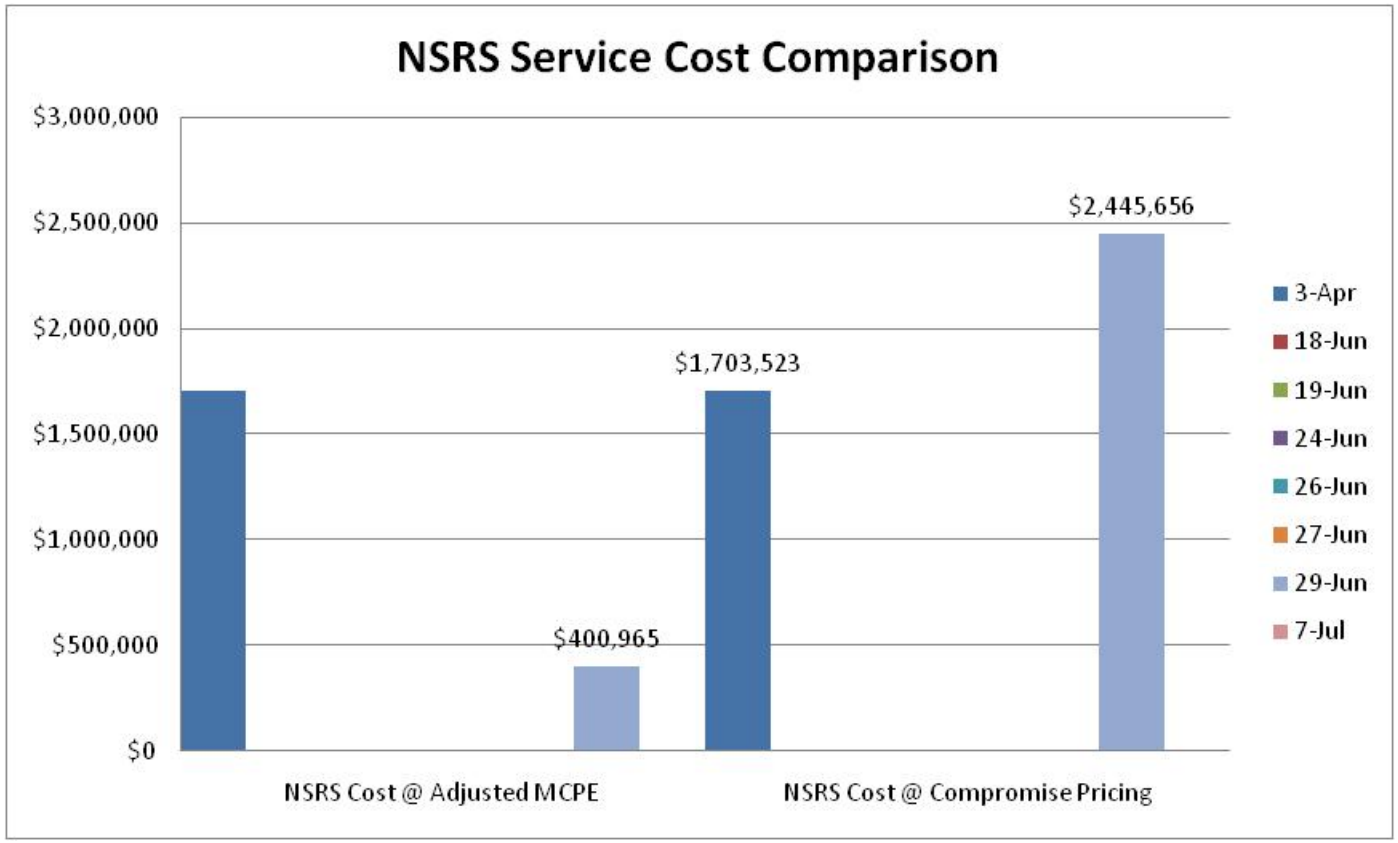
BES Cost Comparison
7/7/2007



BES Event Cost Summary

	MCPE Cost	Compromise Cost	Change
3-Apr	$12,165,347	$12,165,347	0.0%
18-Jun	$7,551,602	$18,868,018	149.9%
19-Jun	$4,374,114	$8,978,354	105.3%
24-Jun	$2,257,961	$6,231,124	176.0%
26-Jun	$2,876,459	$6,445,898	124.1%
27-Jun	$2,410,908	$4,285,598	77.8%
29-Jun	$3,784,734	$7,468,380	97.3%
7-Jul	$3,032,027	$13,298,010	338.6%
Totals	$38,453,152	$77,740,729	102.2%

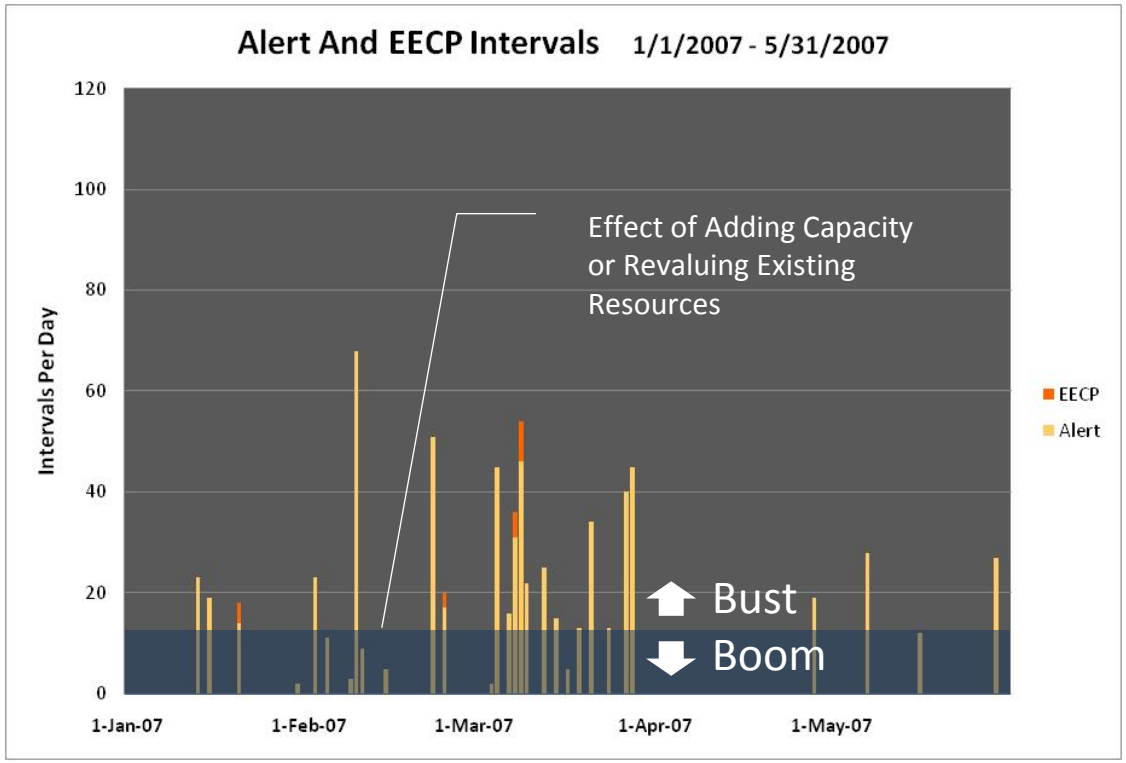
Impact On NSRS



Observations - 1

- BES has been and is being successfully provided based on MCPE pricing
- SPD is presently finding price solutions in and above the range proposed in the Compromise Solution
- The proposed ‘Compromise Solution’ appears to increase the cost of BES and NSRS significantly
  - The increase will double over the next 2 years, per PUC SR25.605(g) as HCAP increases to $3,000/MWh
- The number of Alert and EECP Intervals and their levels of UBES are relatively small and load factors will decrease as new resources are added
  - The magnitude and distribution of revenues is uncertain under present and future competition

Revenue Still At Cyclical Risk



Increasing prices is one way to address the problem of 'Missing Money,' but higher prices alone will not stabilize revenue or provide the long-term security that large capital investments typically require

Observations - 2

- Raising prices alone offers no assurance that needed or desired new resources will be deployed
  - No Obligations for Addition or Commitment of New Resources
  - No Protection for New Investment
    - *"Resource Adequacy programs work, where they do, by signaling investors that they can expect stable and reasonable cost recovery for many years to come. This is no easy task, and an RA policy stamped 'TEMPORARY,' cannot succeed. It may pay out large sums of money, which will be gladly accepted by existing generation, but it will not induce new investment at anything close to a reasonable price."*

      The Convergence of Market Designs for Adequate Generating Capacity

      Cramton & Stoft, 2006

    - No Revenue Prioritization Favoring New Generation Units
    - No Mitigation Plan Addressing Increased Potential for Collusion or Exercise of Market Power by Existing Providers