

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

03/01/2003

Name PTID CAPITL 61757	00:00 EST 82.41 6.23 0.00	01:00 EST 60.50 4.74 0.00	02:00 EST 70.47 5.61 0.00	03:00 EST 61.82 5.01 0.00	04:00 EST 75.82 6.12 0.00	05:00 EST 68.47 5.59 0.00	06:00 EST 64.92 4.83 0.00	07:00 EST 52.49 3.98 0.00	08:00 EST 91.56 7.57 0.00	09:00 EST 81.48 6.43 -1.78	10:00 EST 80.68 6.20 0.00	11:00 EST 132.12 10.83 0.00	12:00 EST 136.28 11.45 0.00	13:00 EST 132.59 9.38 -21.95	14:00 EST 130.70 11.30 0.00	15:00 EST 130.56 11.47 0.00	16:00 EST 110.21 3.76 -66.73	17:00 EST 206.43 0.64 -198.12	18:00 EST 194.25 2.30 -167.26	19:00 EST 207.26 17.18 -10.85	20:00 EST 144.27 8.64 -40.26	21:00 EST 215.27 17.13 -14.16	22:00 EST 71.32 5.32 -2.89	23:00 EST 79.98 7.09 0.00
CENTRL 61754	74.29 -1.89 0.00	54.40 -1.36 0.00	63.25 -1.62 0.00	55.29 -1.51 0.00	67.84 -1.86 0.00	61.25 -1.62 0.00	58.70 -1.39 0.00	47.36 -1.16 0.00	82.09 -1.89 0.00	71.67 -1.65 -0.04	72.75 -1.72 0.00	118.37 -2.92 0.00	121.97 -2.86 0.00	99.97 -1.81 -0.52	117.27 -2.12 0.00	116.84 -2.24 0.00	45.47 -0.71 -6.46	26.68 -0.13 -19.15	40.50 -0.37 -16.19	177.34 -2.94 -1.05	97.63 -1.64 -3.90	181.68 -3.67 -1.37	62.11 -1.27 -0.28	71.49 -1.41 0.00
DUNWOD 61760	79.56 3.38 0.00	57.96 2.19 0.00	67.45 2.59 0.00	58.79 1.98 0.00	72.08 2.38 0.00	65.15 2.28 0.00	62.51 2.42 0.00	50.89 2.38 0.00	88.44 4.45 0.00	91.68 4.08 -14.31	109.98 4.33 -31.17	127.83 6.53 0.00	131.20 6.37 0.00	123.60 5.02 -17.33	125.98 6.59 0.00	126.06 6.97 0.00	101.01 2.49 -58.80	160.91 0.50 -152.74	155.33 1.67 -128.97	198.41 10.81 -8.37	131.97 5.56 -31.04	205.35 10.45 -10.92	69.02 3.69 -2.23	76.52 3.63 0.00
GENESE 61753	76.75 0.57 0.00	56.55 0.79 0.00	65.98 1.12 0.00	57.97 1.17 0.00	71.25 1.56 0.00	64.50 1.62 0.00	61.85 1.75 0.00	49.55 1.04 0.00	85.65 1.66 0.00	74.78 1.46 -0.04	75.91 1.44 0.00	123.90 2.60 0.00	127.08 2.26 0.00	103.71 1.99 -0.47	121.50 2.10 0.00	120.63 1.54 0.00	46.77 0.60 -6.45	26.95 0.10 -19.18	41.18 0.33 -16.17	182.89 2.61 -1.05	100.61 1.34 -3.89	187.27 1.92 -1.37	63.76 0.38 -0.28	73.44 0.54 0.00
H Q 61844	76.06 -0.12 0.00	55.48 -0.28 0.00	64.42 -0.45 0.00	56.67 -0.13 0.00	69.55 -0.15 0.00	62.79 -0.08 0.00	60.01 -0.09 0.00	48.27 -0.24 0.00	83.32 -0.67 0.00	72.52 -0.75 0.01	73.74 -0.74 0.00	120.34 -0.96 0.00	123.72 -1.11 0.00	100.06 -1.05 0.14	118.17 -1.23 0.00	117.60 -1.49 0.00	38.71 -0.62 0.39	6.47 -0.11 1.08	23.34 -0.36 0.99	176.92 -2.24 0.06	93.90 -1.23 0.24	181.97 -1.93 0.08	62.51 -0.57 0.02	72.30 -0.60 0.00
HUD VL 61758	77.93 1.75 0.00	56.88 1.12 0.00	66.19 1.33 0.00	57.74 0.93 0.00	70.79 1.09 0.00	63.93 1.05 0.00	61.28 1.18 0.00	49.76 1.25 0.00	86.33 2.35 0.00	76.77 2.10 -1.39	76.78 2.31 0.00	124.64 3.34 0.00	128.19 3.36 0.00	121.01 2.57 -17.18	122.96 3.56 0.00	123.03 3.94 0.00	92.07 1.47 -50.87	159.00 0.31 -151.03	153.24 1.05 -127.51	194.33 6.83 -8.27	129.49 3.43 -30.69	201.09 6.32 -10.80	67.48 2.17 -2.20	74.88 1.99 0.00
LONGIL 61762	79.20 3.02 0.00	57.63 1.87 0.00	68.06 3.20 0.00	59.32 2.51 0.00	72.99 3.29 0.00	65.88 3.00 0.00	62.86 2.76 0.00	64.15 2.94 -12.70	89.48 5.49 0.00	92.33 4.73 -14.32	110.24 4.59 -31.17	127.28 5.99 0.00	128.31 3.48 0.00	121.50 2.88 -17.36	124.01 4.62 0.00	124.10 5.01 0.00	100.61 1.99 -58.90	161.09 0.42 -153.00	155.26 1.38 -129.20	195.28 7.67 -8.38	130.71 4.24 -31.10	203.95 9.03 -10.94	69.10 3.77 -2.23	76.28 3.39 0.00
MHK VL 61756	78.12 1.94 0.00	57.06 1.30 0.00	66.37 1.51 0.00	58.08 1.27 0.00	71.26 1.56 0.00	64.34 1.47 0.00	61.38 1.28 0.00	49.42 0.91 0.00	85.66 1.67 0.00	74.51 1.23 -0.01	75.52 1.04 0.00	123.24 1.94 0.00	126.77 1.94 0.00	103.09 1.74 -0.10	121.64 2.25 0.00	121.38 2.30 0.00	42.09 0.75 -1.62	12.64 0.13 -4.84	29.17 0.42 -4.06	182.62 3.13 -0.26	98.03 1.68 -0.98	187.59 3.26 -0.34	64.18 1.00 -0.07	74.31 1.41 0.00
MILLWD 61759	78.36 2.18 0.00	57.10 1.34 0.00	66.45 1.59 0.00	57.92 1.12 0.00	71.02 1.32 0.00	64.18 1.31 0.00	61.57 1.48 0.00	50.10 1.59 0.00	87.04 3.05 0.00	90.38 2.80 -14.30	108.66 3.02 -31.17	125.73 4.43 0.00	129.09 4.27 0.00	121.72 3.31 -17.16	123.93 4.54 0.00	124.01 4.92 0.00	99.75 1.80 -58.23	159.11 0.37 -151.07	153.46 1.24 -127.53	195.30 7.80 -8.27	130.04 3.97 -30.70	202.19 7.41 -10.80	67.95 2.65 -2.20	75.34 2.44 0.00
N.Y.C. 61761	87.56 5.02 -6.36	59.12 3.35 0.00	68.74 3.87 0.00	59.86 3.06 0.00	73.39 3.69 0.00	66.37 3.49 0.00	63.76 3.66 0.00	51.96 3.44 0.00	110.14 6.40 -19.76	104.58 5.91 -25.39	112.21 6.19 -31.56	130.80 9.50 0.00	134.20 9.38 0.00	126.12 7.50 -17.36	129.01 9.61 0.00	129.09 9.99 -0.01	106.96 3.48 -63.76	163.14 0.70 -154.78	156.96 2.28 -129.99	204.05 14.78 -10.04	134.16 7.69 -31.09	209.49 14.57 -10.94	86.01 5.15 -17.77	78.47 5.27 -0.31
NORTH 61755	76.58 0.40 0.00	55.81 0.04 0.00	64.77 -0.09 0.00	56.97 0.17 0.00	69.94 0.24 0.00	63.19 0.32 0.00	60.36 0.26 0.00	48.45 -0.06 0.00	83.67 -0.32 0.00	72.71 -0.55 0.02	73.87 -0.61 0.00	120.68 -0.62 0.00	124.02 -0.81 0.00	100.23 -0.79 0.23	118.51 -0.89 0.00	117.97 -1.12 0.00	38.63 -0.49 0.60	5.70 -0.10 1.87	22.89 -0.28 1.52	177.49 -1.64 0.10	94.05 -0.95 0.36	182.47 -1.38 0.13	62.65 -0.43 0.03	72.61 -0.29 0.00
NPX 61845	80.61 4.43 0.00	59.17 3.41 0.00	68.95 4.09 0.00	60.41 3.60 0.00	74.25 4.55 0.00	66.54 3.66 0.00	62.59 2.50 0.00	50.71 2.20 0.00	88.26 4.27 0.00	78.64 3.72 -1.64	78.17 3.69 0.00	139.71 6.77 -14.25	131.68 6.85 0.00	127.12 5.54 -20.33	126.11 6.72 0.00	126.08 6.99 0.00	103.47 2.30 -61.45	190.52 0.40 -182.45	169.00 9.28 -10.00	199.65 10.43 -9.99	137.70 5.26 -37.07	207.32 10.30 -13.04	68.92 3.15 -2.66	76.91 4.02 0.00

OH 61846	64.77	47.27	54.77	47.86	58.59	52.80	50.91	40.97	69.70	60.67	61.80	99.88	102.90	84.05	98.05	97.66	41.23	31.15	41.36	149.96	84.15	153.58	53.05	60.72
	-11.41	-8.50	-10.10	-8.95	-11.10	-10.08	-9.18	-7.54	-14.29	-12.65	-12.67	-21.41	-21.93	-17.81	-21.35	-21.43	-6.81	-1.24	-4.19	-30.62	-16.24	-32.17	-10.41	-12.17
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	-0.60	0.00	0.00	-8.33	-24.72	-20.87	-1.35	-5.02	-1.77	-0.36	0.00
PJM 61847	72.04	52.51	39.00	39.78	37.23	58.76	56.58	45.70	78.46	75.00	95.00	111.62	114.99	94.01	59.00	110.25	69.00	58.99	89.00	78.25	85.80	172.95	55.01	65.00
	-4.14	-3.26	-6.51	-7.21	-6.11	-4.12	-3.52	-2.82	-5.52	-18.79	-19.27	-9.67	-9.84	-8.03	-13.59	-8.83	-18.25	-21.72	-16.17	-16.95	-11.59	-13.36	-14.01	-11.53
	0.00	0.00	12.10	11.17	11.18	0.00	0.00	0.00	0.00	22.19	12.49	0.00	0.00	-0.79	6.89	0.00	24.70	54.17	44.55	39.35	5.15	-2.33	21.98	18.76
WEST 61752	72.01	52.52	60.83	53.21	65.15	58.68	56.66	45.58	77.44	67.66	68.94	111.34	114.67	93.40	108.89	108.19	44.64	31.25	43.18	166.53	92.89	170.27	58.90	67.42
	-4.17	-3.24	-4.03	-3.59	-4.54	-4.20	-3.43	-2.93	-6.54	-5.66	-5.54	-9.96	-10.15	-8.44	-10.51	-10.90	-3.22	-0.53	-1.90	-14.02	-7.39	-15.43	-4.55	-5.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	-0.59	0.00	0.00	-8.13	-24.12	-20.39	-1.32	-4.91	-1.73	-0.35	0.00