

## Average Real Time LBMP - Zonal

--- LBMP \$

### --- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Zonal Prices

**Date: 01/27/2000**

Name Ptid	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
CAPITL 61757	29.40	28.68	22.61	20.60	24.14	32.68	40.81	42.44	45.41	59.40	71.46	53.85	48.07	55.40	152.24	44.66	46.54	150.68	151.95	266.81	200.08	126.41	62.43	45.40
	2.16	1.88	1.39	1.35	1.65	2.23	2.79	2.61	2.95	4.00	3.01	3.60	3.51	3.73	-23.12	2.83	2.40	0.19	6.86	7.35	7.96	4.67	3.23	2.92
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	0.00	-25.33	-0.79	0.00	-3.44	-435.49	-2.33	-9.87	-143.49	-44.97	-153.82	-86.62	-62.65	-13.76
CENTRL 61754	26.46	26.07	20.63	18.70	21.80	29.48	36.89	38.77	40.91	53.78	44.53	48.04	43.16	47.08	-204.93	38.51	34.25	22.09	102.06	118.86	111.42	63.76	45.30	41.01
	-0.78	-0.73	-0.60	-0.56	-0.69	-0.97	-1.14	-1.06	-1.14	-1.62	-1.27	-1.50	-1.39	-1.50	9.12	-1.23	-1.06	-0.09	-2.81	-3.04	-3.25	-1.95	-1.59	-1.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	-2.67	-0.08	0.00	-0.36	-46.08	-0.25	-1.04	-15.18	-4.75	-16.26	-9.16	-6.62	-1.45
DUNWOD 61760	29.01	28.42	22.52	20.34	23.72	32.30	40.59	42.85	45.80	60.49	66.86	54.57	48.53	55.02	59.80	44.89	45.27	120.30	145.86	236.85	182.94	113.23	59.94	45.62
	1.77	1.63	1.29	1.09	1.24	1.84	2.56	3.02	3.44	5.08	3.87	4.50	3.97	4.10	-21.31	3.56	3.25	1.03	10.56	10.88	9.67	5.14	3.74	3.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	0.00	-19.86	-0.62	0.00	-2.69	-341.24	-1.82	-7.74	-112.26	-35.18	-120.33	-67.76	-49.01	-10.77
GENESE 61753	26.34	25.95	20.62	18.86	22.10	29.68	37.07	38.84	40.92	53.53	44.22	48.01	43.14	47.17	-210.71	38.49	34.13	20.46	100.91	116.56	110.26	62.98	45.12	41.16
	-0.90	-0.85	-0.61	-0.39	-0.39	-0.77	-0.96	-0.99	-1.12	-1.87	-1.32	-1.52	-1.41	-1.38	7.78	-1.24	-1.09	-0.25	-3.50	-3.78	-3.52	-2.08	-1.63	-1.32
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	0.00	-2.41	-0.07	0.00	-0.32	-41.63	-0.22	-0.94	-13.71	-4.29	-14.69	-8.27	-5.98	-1.31
H Q 61844	27.21	26.76	21.20	19.25	22.50	30.55	38.09	39.83	41.83	55.07	42.73	49.12	44.27	47.96	-260.85	39.31	34.01	6.16	98.84	103.67	104.08	58.32	45.26	42.44
	-0.04	-0.03	-0.03	0.00	0.01	0.09	0.06	0.00	-0.17	-0.33	-0.25	-0.33	-0.29	-0.25	1.83	-0.18	-0.20	0.01	-1.01	-1.05	-0.91	-0.39	-0.09	-0.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.02	2.55	0.01	0.06	0.85	0.27	0.92	0.51	0.37	0.08	0.00
HUD VL 61758	28.46	27.93	22.12	20.00	23.33	31.72	39.80	41.91	44.72	58.93	65.72	53.18	47.25	53.68	65.47	43.77	44.24	120.08	142.69	233.70	180.13	111.75	58.80	44.63
	1.21	1.13	0.90	0.75	0.84	1.27	1.77	2.08	2.35	3.53	2.71	3.11	2.69	2.77	-14.81	2.45	2.21	0.71	7.36	7.63	6.81	3.61	2.59	2.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	0.00	-19.88	-0.61	0.00	-2.68	-340.40	-1.83	-7.75	-112.36	-35.21	-120.43	-67.82	-49.05	-10.78
LONGIL 61762	29.63	28.97	23.01	20.80	24.35	40.99	51.01	70.47	63.76	86.04	96.71	115.88	118.22	111.67	108.94	121.21	115.61	128.18	147.71	238.97	185.02	141.17	85.20	48.28
	2.38	2.17	1.78	1.55	1.86	2.74	3.53	4.02	4.52	6.69	4.82	5.64	5.00	5.07	-27.50	4.53	4.13	1.20	12.37	12.87	11.69	6.14	4.56	4.11

	0.00	0.00	0.00	0.00	0.00	-7.79	-9.45	-26.61	-17.24	-23.95	-48.77	-60.79	-68.67	-58.38	-396.56	-77.18	-77.21	-119.98	-35.22	-120.46	-67.83	-75.94	-35.20	-1.68
MHK VL 61756	27.66	27.11	21.46	19.49	22.77	30.85	38.42	40.18	42.50	56.14	44.34	50.21	45.19	48.99	-252.24	40.08	34.96	10.85	102.80	111.20	109.25	61.46	46.17	42.91
	0.42	0.32	0.23	0.24	0.29	0.40	0.40	0.34	0.49	0.74	0.57	0.73	0.64	0.67	-3.32	0.52	0.44	0.17	1.53	1.63	1.53	0.78	0.38	0.42
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.64	-0.02	0.00	-0.08	-11.20	-0.06	-0.25	-3.68	-1.15	-3.94	-2.22	-1.60	-0.35	0.00
MILLWD 61759	28.59	28.02	22.20	20.06	23.39	31.83	39.99	42.20	45.10	59.55	65.95	53.75	47.78	54.19	60.60	44.20	44.59	119.00	143.71	233.78	180.46	111.75	59.09	44.97
	1.34	1.23	0.97	0.81	0.90	1.37	1.97	2.37	2.74	4.15	3.17	3.68	3.22	3.30	-16.98	2.89	2.66	0.89	8.78	9.04	7.89	4.16	3.00	2.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	0.00	-19.65	-0.61	0.00	-2.66	-337.71	-1.80	-7.66	-111.11	-34.82	-119.10	-67.06	-48.50	-10.66	0.00
N.Y.C. 61761	29.63	28.99	22.95	20.73	24.16	32.93	41.48	43.90	47.01	62.14	68.05	55.99	49.79	56.31	54.03	45.96	46.25	120.72	148.78	239.91	185.88	114.95	61.24	46.67
	2.38	2.19	1.73	1.48	1.68	2.48	3.45	4.06	4.64	6.74	5.04	5.92	5.23	5.38	-27.61	4.63	4.23	1.32	13.44	13.79	12.54	6.80	5.02	4.19
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	0.00	-19.89	-0.62	0.00	-2.70	-341.77	-1.83	-7.75	-112.40	-35.22	-120.47	-67.84	-49.07	-10.78	0.00
NORTH 61755	27.27	26.80	21.22	19.28	22.55	30.65	38.21	39.97	42.02	55.35	42.86	49.38	44.49	48.17	-263.51	39.47	34.13	5.75	99.26	103.78	104.33	58.39	45.32	42.53
	0.03	0.00	-0.01	0.03	0.07	0.19	0.18	0.14	0.02	-0.05	-0.04	-0.08	-0.07	-0.03	0.50	-0.01	-0.05	0.04	-0.45	-0.47	-0.40	-0.13	0.01	0.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.03	3.87	0.02	0.09	1.29	0.41	1.38	0.78	0.57	0.12	0.00
NPX 61845	28.47	27.84	22.00	20.00	23.39	31.66	39.54	41.22	44.04	57.72	68.44	52.30	46.56	53.54	130.57	43.34	44.88	140.73	146.15	253.30	190.82	120.13	60.15	44.11
	1.22	1.04	0.77	0.75	0.91	1.21	1.51	1.39	1.60	2.32	1.74	2.11	2.00	2.12	-14.41	1.68	1.42	0.02	4.12	4.32	4.60	2.67	1.89	1.62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.43	0.00	-23.57	-0.73	0.00	-3.20	-405.12	-2.16	-9.19	-133.70	-41.91	-143.34	-80.71	-58.38	-12.83	0.00
O H 61846	25.41	25.52	20.39	18.42	21.47	28.91	36.09	38.07	39.56	51.17	43.28	45.84	40.95	44.95	-182.17	36.78	32.94	24.64	98.13	116.98	108.09	62.18	44.16	40.36
	-1.84	-1.28	-0.84	-0.83	-1.02	-1.55	-1.94	-1.77	-2.50	-4.23	-3.04	-3.72	-3.61	-3.70	22.89	-3.01	-2.58	-0.51	-7.68	-8.12	-8.37	-4.82	-3.01	-2.12
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	0.00	-3.20	-0.10	0.00	-0.43	-55.07	-0.29	-1.24	-18.15	-5.68	-19.46	-10.96	-7.92	-1.74	0.00
PJM 61847	25.60	25.36	20.17	18.20	21.20	28.76	36.01	38.04	40.00	52.39	45.08	46.88	41.96	46.00	-169.76	37.67	34.02	30.79	102.65	126.03	114.14	66.12	45.32	40.24
	-1.65	-1.44	-1.06	-1.05	-1.29	-1.70	-2.02	-1.79	-2.07	-3.01	-2.25	-2.71	-2.60	-2.79	18.00	-2.22	-1.89	-0.05	-4.94	-5.16	-5.76	-3.37	-2.40	-2.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	0.00	-4.20	-0.13	0.00	-0.57	-72.37	-0.39	-1.64	-23.84	-7.47	-25.55	-14.39	-10.40	-2.28	0.00
WEST 61752	25.32	25.45	20.33	18.37	21.40	28.80	35.99	38.04	39.49	51.06	43.18	45.76	40.84	44.83	-182.18	36.65	32.82	24.30	97.81	116.35	107.57	61.87	43.97	40.17
	-1.93	-1.35	-0.90	-0.89	-1.08	-1.65	-2.04	-1.79	-2.56	-4.34	-3.09	-3.80	-3.71	-3.82	23.83	-3.14	-2.68	-0.53	-7.89	-8.40	-8.69	-4.98	-3.17	-2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	0.00	-3.14	-0.10	0.00	-0.42	-54.12	-0.29	-1.22	-17.83	-5.58	-19.10	-10.76	-7.77	-1.71	0.00