

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/07/2016

Name	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
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
CAPITL	23.20	22.12	21.70	18.87	17.33	22.06	22.09	24.39	21.84	25.60	24.96	29.35	28.44	62.22	38.19	36.67	63.00	52.05	43.47	39.58	37.65	31.44	22.97	26.21
61757	1.48	1.40	1.40	1.18	1.05	1.36	1.43	1.60	1.46	1.71	1.61	1.88	1.84	4.00	2.30	2.15	3.71	3.13	2.73	2.38	2.23	1.88	1.43	1.70
	0.00	0.00	0.00	-0.96	-1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CENTRL	22.14	21.12	20.61	17.03	15.31	21.04	21.02	23.25	20.80	24.49	23.99	28.30	27.35	74.11	41.21	35.67	61.51	50.54	42.06	38.39	36.68	30.40	21.98	24.99
61754	0.43	0.41	0.30	0.20	0.17	0.35	0.36	0.46	0.43	0.60	0.64	0.83	0.75	2.22	1.37	1.16	2.01	1.61	1.32	1.19	1.26	0.84	0.43	0.48
	0.00	0.00	0.00	-0.09	-0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.67	-3.95	0.00	-0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DUNWOD	23.64	22.52	22.01	18.88	17.26	22.50	22.47	24.91	22.35	26.10	25.44	29.85	28.87	63.03	38.78	37.34	64.18	52.73	43.52	39.49	37.72	31.75	23.44	26.70
61760	1.92	1.80	1.70	1.46	1.33	1.81	1.81	2.12	1.98	2.21	2.08	2.37	2.27	4.82	2.89	2.83	4.89	3.80	2.78	2.29	2.29	2.20	1.90	2.20
	0.00	0.00	0.00	-0.69	-0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GENESE	22.43	21.31	20.71	17.02	15.27	21.16	21.18	23.39	20.97	24.77	24.37	28.65	27.73	61.99	38.32	36.62	62.85	51.86	43.21	39.43	37.63	30.98	22.21	25.21
61753	0.71	0.60	0.40	0.21	0.14	0.46	0.52	0.60	0.59	0.88	1.02	1.17	1.13	3.78	2.42	2.11	3.56	2.93	2.47	2.23	2.21	1.43	0.66	0.70
	0.00	0.00	0.00	-0.07	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H Q	21.04	20.08	19.67	16.21	14.56	20.08	20.08	22.11	19.72	23.12	22.61	26.60	25.80	56.38	32.99	33.53	57.65	47.62	39.73	36.37	34.53	29.41	19.67	23.77
61844	-0.69	-0.64	-0.64	-0.52	-0.46	-0.62	-0.58	-0.67	-0.65	-0.77	-0.74	-0.87	-0.79	-1.83	-1.11	-0.99	-1.64	-1.31	-1.01	-0.83	-0.89	-0.76	-0.59	-0.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00	-0.62	1.29	0.00
HUD VL	23.64	22.52	22.03	18.89	17.26	22.50	22.48	24.92	22.37	26.14	25.49	29.95	28.99	63.34	38.97	37.50	64.47	53.05	43.82	39.81	38.00	31.90	23.45	26.69
61758	1.92	1.81	1.73	1.47	1.33	1.80	1.82	2.13	2.00	2.25	2.14	2.48	2.39	5.13	3.08	2.99	5.18	4.12	3.08	2.61	2.58	2.35	1.91	2.18
	0.00	0.00	0.00	-0.69	-0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LONGIL	24.00	22.90	22.32	19.13	17.53	22.97	23.00	34.39	55.78	26.65	26.01	31.73	30.77	64.28	39.60	44.53	77.28	72.05	59.40	39.59	37.80	34.75	24.83	27.21
61762	2.28	2.18	2.02	1.70	1.60	2.28	2.34	2.77	2.61	2.76	2.48	2.63	2.49	4.90	2.80	3.06	5.31	3.96	3.01	2.40	2.37	2.24	1.98	2.24
	0.00	0.00	0.00	-0.69	-0.91	0.00	0.00	-8.83	-32.79	0.00	-0.18	-1.63	-1.68	-1.17	-0.90	-6.96	-12.68	-19.16	-15.65	0.00	0.00	-2.96	-1.31	-0.46
MHK VL	22.45	21.38	20.91	17.31	15.58	21.40	21.44	23.74	21.27	25.00	24.45	28.78	27.80	60.90	37.55	36.06	61.97	51.11	42.54	39.00	37.25	30.96	22.43	25.42
61756	0.73	0.67	0.61	0.49	0.45	0.71	0.77	0.95	0.90	1.11	1.10	1.32	1.20	2.69	1.66	1.55	2.68	2.18	1.80	1.81	1.83	1.41	0.88	0.92
	0.00	0.00	0.00	-0.08	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MILLWD	23.67	22.54	22.03	18.91	17.28	22.52	22.50	24.95	22.40	26.17	25.51	29.95	28.97	63.31	38.97	37.52	64.52	53.03	43.78	39.75	37.94	31.89	23.49	26.75
61759	1.95	1.83	1.73	1.48	1.34	1.82	1.84	2.17	2.03	2.27	2.16	2.48	2.37	5.10	3.08	3.01	5.23	4.11	3.04	2.55	2.51	2.33	1.95	2.24
	0.00	0.00	0.00	-0.69	-0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N.Y.C.	23.81	22.68	22.15	19.02	17.38	22.64	22.61	25.08	22.52	26.25	25.59	30.00	29.00	63.30	38.92	37.43	64.47	52.85	43.55	39.36	37.68	31.86	23.62	26.94
61761	2.09	1.96	1.85	1.59	1.45	1.94	1.95	2.29	2.15	2.36	2.24	2.53	2.40	5.09	3.07	2.99	5.18	3.96	2.84	2.30	2.29	2.30	2.08	2.43
	0.00	0.00	0.00	-0.69	-0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.00	0.04	0.03	0.13	0.04	0.00	0.00	0.00
NORTH	21.07	20.05	19.65	16.20	14.59	20.12	20.17	22.30	19.88	23.32	22.82	26.87	26.10	57.00	35.14	33.89	58.34	48.24	40.37	37.00	35.18	29.19	21.17	23.94
61755	-0.65	-0.67	-0.66	-0.54	-0.43	-0.58	-0.49	-0.49	-0.49	-0.57	-0.53	-0.61	-0.50	-1.21	-0.75	-0.62	-0.95	-0.69	-0.37	-0.20	-0.25	-0.37	-0.38	-0.57
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPX	23.49	22.25	21.83	18.87	17.30	22.21	22.50	24.32	21.86	25.57	25.00	29.15	28.36	61.51	36.16	36.10	62.16	51.48	42.81	38.92	37.14	31.81	21.69	26.04
61845	1.59	1.54	1.53	1.30	1.18	1.52	1.48	1.62	1.49	1.68	1.58	1.78	1.73	3.52	2.03	1.87	3.10	2.56	2.06	1.73	1.72	1.64	1.43	1.77
	-0.18	0.00	0.00	-0.83	-1.09	0.00	-0.36	0.10	0.00	0.00	-0.07	0.10	-0.03	0.22	1.77	0.29	0.23	0.00	0.00	0.00	0.00	-0.62	1.29	0.24

O H 61846	21.93 0.21 0.00	20.93 0.21 0.00	20.29 -0.01 0.00	16.67 -0.16 -0.10	14.96 -0.20 -0.13	20.75 0.05 0.00	20.58 -0.08 0.00	22.72 -0.06 0.00	20.28 -0.09 0.00	24.01 0.12 0.00	23.56 0.21 0.00	27.73 0.26 0.00	26.69 0.09 0.00	12.45 1.63 47.39	23.06 0.91 13.74	34.95 0.43 0.00	59.11 0.56 0.75	49.53 0.60 0.00	41.53 0.79 0.00	37.94 0.75 0.00	36.25 0.82 0.00	30.29 0.32 -0.42	20.76 -0.12 0.66	24.52 0.01 0.00
PJM 61847	22.67 0.95 0.00	21.68 0.96 0.00	21.12 0.81 0.00	17.74 0.64 -0.37	16.07 0.56 -0.48	21.55 0.86 0.00	21.42 0.76 0.00	23.78 0.99 0.00	20.59 0.90 0.69	25.99 1.15 -0.95	24.45 1.09 0.00	28.85 1.38 0.00	27.80 1.20 0.00	85.29 3.28 -23.80	42.90 1.90 -5.12	36.12 1.60 0.00	62.32 2.65 -0.37	50.95 2.02 0.00	42.30 1.56 0.00	38.48 1.28 0.00	36.82 1.40 0.00	31.30 1.13 -0.62	21.04 0.78 1.29	25.52 1.01 0.00
WEST 61752	22.52 0.80 0.00	21.46 0.74 0.00	20.77 0.47 0.00	17.04 0.20 -0.10	15.27 0.12 -0.13	21.25 0.55 0.00	21.10 0.44 0.00	23.30 0.51 0.00	20.84 0.46 0.00	24.69 0.80 0.00	24.27 0.92 0.00	28.58 1.10 0.00	27.52 0.91 0.00	245.53 3.66 -183.66	91.41 2.16 -53.36	36.10 1.58 0.00	64.68 2.51 -2.89	51.14 2.21 0.00	42.85 2.11 0.00	39.15 1.95 0.00	37.40 1.98 0.00	30.79 1.24 0.00	22.04 0.49 0.00	25.23 0.73 0.00