

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/23/2016

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	20.23	17.63	15.40	14.43	14.75	18.98	23.30	23.20	25.12	26.86	28.24	29.37	31.84	34.98	36.79	38.46	42.81	38.39	32.80	36.75	30.23	26.15	23.94	22.91
61757	1.35	1.14	1.05	0.91	0.91	1.17	1.40	1.42	1.44	1.46	1.63	1.69	1.93	2.17	2.32	2.39	2.52	2.28	1.71	1.82	1.44	1.15	1.01	0.92
	-0.11	-0.03	0.00	0.00	0.00	-0.15	-0.29	-0.20	-0.46	-0.62	-0.70	-0.86	-1.05	-1.40	-1.79	-2.38	-2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CENTRL	19.20	16.78	14.62	13.81	14.14	18.07	22.08	22.00	23.80	25.40	26.74	27.97	30.13	32.70	33.96	34.97	38.84	36.73	31.56	35.39	29.05	25.10	22.82	22.01
61754	0.43	0.31	0.27	0.28	0.30	0.41	0.47	0.43	0.58	0.62	0.62	0.67	0.66	0.69	0.69	0.67	0.75	0.61	0.47	0.45	0.26	0.10	-0.11	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.48	-0.61	-0.60	-0.60	-0.61	-0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DUNWOD	20.82	18.25	15.87	14.92	15.27	19.50	23.96	23.98	25.89	27.72	29.02	30.19	32.60	35.70	39.79	46.15	49.23	40.38	34.29	38.39	31.53	27.50	25.27	23.92
61760	2.01	1.78	1.52	1.39	1.43	1.78	2.25	2.33	2.51	2.73	2.87	3.06	3.37	3.80	4.02	4.21	4.62	4.26	3.20	3.46	2.74	2.50	2.34	1.94
	-0.04	-0.01	0.00	0.00	0.00	-0.05	-0.10	-0.07	-0.16	-0.22	-0.25	-0.30	-0.37	-0.50	-3.09	-8.25	-6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GENESE	19.16	16.69	14.57	13.79	14.10	17.99	21.80	21.49	23.43	25.10	26.31	27.67	29.90	32.35	33.50	34.43	38.22	36.26	31.34	34.83	28.53	24.45	22.20	21.66
61753	0.39	0.23	0.22	0.27	0.26	0.33	0.19	-0.09	0.21	0.32	0.18	0.35	0.40	0.31	0.20	0.10	0.11	0.15	0.25	-0.10	-0.26	-0.55	-0.73	-0.33
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.50	-0.64	-0.63	-0.62	-0.64	-0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H Q	17.85	15.83	13.25	13.05	13.25	16.70	20.26	20.41	21.42	22.60	23.50	24.06	25.61	27.25	28.19	28.94	31.80	35.07	30.38	34.24	28.27	24.57	22.63	21.75
61844	-0.67	-0.58	-0.52	-0.47	-0.50	-0.62	-0.71	-0.71	-0.79	-0.82	-0.85	-0.88	-0.95	-1.07	-1.08	-1.11	-1.20	-1.05	-0.71	-0.70	-0.52	-0.43	-0.30	-0.24
	0.25	0.06	0.59	0.00	0.09	0.34	0.64	0.45	1.01	1.36	1.55	1.88	2.29	3.08	3.41	3.64	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HUD VL	20.69	18.15	15.80	14.86	15.20	19.40	23.88	23.76	25.67	27.44	28.75	29.96	32.40	35.54	39.12	44.56	47.90	40.27	34.14	38.26	31.33	27.27	25.02	23.77
61758	1.88	1.68	1.45	1.34	1.36	1.68	2.16	2.12	2.28	2.43	2.59	2.82	3.15	3.61	3.82	4.07	4.47	4.15	3.05	3.32	2.53	2.27	2.09	1.78
	-0.04	-0.01	0.00	0.00	0.00	-0.06	-0.11	-0.08	-0.17	-0.23	-0.26	-0.32	-0.39	-0.53	-2.62	-6.79	-5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LONGIL	21.52	18.67	16.14	15.12	15.42	19.96	24.53	24.74	26.65	28.77	33.08	38.86	40.34	43.27	48.29	58.00	71.26	55.04	45.51	51.93	40.65	36.18	26.14	24.27
61762	2.59	2.19	1.78	1.59	1.58	2.24	2.81	3.08	3.25	3.57	3.78	3.97	4.47	4.93	5.20	5.39	5.98	5.56	4.32	4.71	3.80	3.37	3.21	2.29
	-0.16	-0.02	-0.01	-0.01	-0.01	-0.06	-0.11	-0.08	-0.18	-0.42	-3.40	-8.06	-7.01	-6.93	-10.41	-18.92	-27.67	-13.36	-10.10	-12.29	-8.06	-7.81	0.00	0.00
MHK VL	19.41	17.01	14.84	13.98	14.34	18.29	22.50	22.50	24.24	25.89	27.04	27.98	30.01	32.69	34.10	35.23	39.23	37.31	32.18	36.19	29.74	25.75	23.48	22.49
61756	0.64	0.54	0.49	0.46	0.50	0.63	0.89	0.93	1.02	1.12	1.14	1.15	1.16	1.29	1.31	1.21	1.35	1.19	1.09	1.26	0.95	0.75	0.55	0.51
	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	-0.11	-0.33	-0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MILLWD	20.78	18.24	15.87	14.93	15.27	19.48	23.96	23.91	25.87	27.68	28.98	30.14	32.55	35.77	39.96	46.19	49.29	40.49	34.32	38.46	31.56	27.45	25.20	23.90
61759	1.97	1.76	1.52	1.41	1.43	1.77	2.25	2.26	2.49	2.68	2.82	3.00	3.32	3.86	4.15	4.31	4.74	4.37	3.23	3.53	2.76	2.45	2.27	1.91
	-0.04	-0.01	0.00	0.00	0.00	-0.06	-0.10	-0.07	-0.17	-0.22	-0.25	-0.31	-0.38	-0.51	-3.13	-8.19	-6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N.Y.C.	21.03	18.42	16.02	15.04	15.41	19.62	24.13	24.17	26.14	27.97	29.29	30.72	33.04	35.96	41.50	47.00	49.69	42.03	34.47	38.57	32.47	28.54	36.90	24.12
61761	2.21	1.94	1.66	1.51	1.56	1.91	2.42	2.52	2.76	2.97	3.13	3.30	3.64	4.05	4.31	4.45	4.89	4.55	3.33	3.63	2.94	2.77	2.61	2.13
	-0.04	-0.01	0.00	0.00	0.00	-0.05	-0.10	-0.07	-0.16	-0.22	-0.25	-0.59	-0.55	-0.50	-4.51	-8.86	-7.19	-1.36	-0.05	-0.01	-0.74	-0.77	-11.35	0.00
NORTH	16.80	15.35	13.60	12.85	13.13	15.44	18.17	19.01	18.39	18.61	19.00	18.61	19.00	18.36	18.37	18.42	18.52	34.81	30.19	33.92	28.07	24.30	22.31	21.59
61755	-1.01	-0.89	-0.75	-0.68	-0.71	-0.92	-0.99	-0.84	-0.95	-0.94	-0.96	-0.99	-1.04	-1.19	-1.21	-1.28	-1.39	-1.30	-0.90	-1.01	-0.72	-0.70	-0.62	-0.40
	0.96	0.22	0.01	0.00	0.01	1.30	2.45	1.72	3.88	5.23	5.94	7.23	8.82	11.85	13.10	13.98	17.70	0.01	0.00	0.00	0.00	0.00	0.00	0.00
NPX	20.68	18.81	17.16	15.01	16.20	20.10	23.52	23.62	25.29	27.03	28.48	30.48	34.90	38.00	40.50	46.82	48.91	45.56	38.48	40.41	33.05	27.66	24.47	23.26
61845	1.56	1.38	1.21	1.09	1.11	1.39	1.73	1.75	1.81	1.91	2.05	2.15	2.39	2.67	2.81	2.93	3.19	2.96	2.18	2.34	1.87	1.68	1.54	1.27
	-0.35	-0.96	-1.60	-0.39	-1.26	-1.05	-0.18	-0.30	-0.26	-0.35	-0.53	-1.51	-3.65	-3.93	-5.01	-10.20	-8.11	-6.48	-5.21	-3.13	-2.39	-0.99	0.00	0.00

O H 61846	17.34 0.41 1.85	15.59 0.26 1.14	14.01 0.26 0.60	12.90 0.28 0.91	13.40 0.30 0.74	16.91 0.30 1.05	15.95 0.24 5.90	19.60 -0.17 1.80	21.26 0.14 2.10	22.70 0.12 2.20	24.00 -0.03 1.87	20.05 0.00 6.78	22.63 -0.03 6.20	24.54 -0.06 6.80	25.99 -0.13 6.56	30.85 -0.20 2.64	31.90 -0.30 5.41	35.69 -0.43 0.00	30.66 -0.44 0.00	34.20 -0.74 0.00	28.10 -0.69 0.00	24.18 -0.82 0.00	21.81 -1.12 0.00	21.48 -0.50 0.00
PJM 61847	19.91 1.15 0.00	17.44 0.97 0.00	15.20 0.85 0.00	14.32 0.80 0.00	14.67 0.83 0.00	18.63 0.97 0.00	22.78 1.17 0.00	22.63 1.06 0.00	24.54 1.32 0.00	26.16 1.39 0.00	27.67 1.42 -0.35	29.10 1.50 -0.77	31.49 1.64 -0.98	34.23 1.85 -0.97	36.64 1.93 -2.04	39.94 2.02 -4.23	43.21 2.18 -3.42	38.07 1.95 0.00	32.46 1.37 0.00	36.30 1.36 0.00	29.86 1.07 0.00	25.82 0.82 0.00	23.48 0.55 0.00	22.67 0.68 0.00
WEST 61752	19.67 0.90 0.00	17.16 0.69 0.00	14.97 0.62 0.00	14.14 0.62 0.00	14.48 0.64 0.00	18.42 0.76 0.00	22.52 0.91 0.00	22.00 0.43 0.00	24.10 0.88 0.00	25.69 0.92 0.00	30.59 0.75 -3.94	36.34 0.80 -8.71	40.85 0.84 -11.15	43.30 0.88 -11.02	44.42 0.82 -10.92	45.65 0.74 -11.22	47.15 0.75 -8.79	36.77 0.65 0.00	31.47 0.37 0.00	35.11 0.18 0.00	28.79 0.00 0.00	24.75 -0.25 0.00	22.36 -0.57 0.00	21.99 0.00 0.00