

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

04/12/2016

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	23.32	22.60	21.40	21.31	21.79	23.63	29.61	30.33	33.22	34.39	32.22	32.08	30.73	29.10	27.52	27.73	26.62	28.20	29.82	33.06	35.71	27.22	23.38	22.90
61757	1.43	1.37	1.26	1.23	1.28	1.39	1.53	1.86	2.04	2.18	1.95	1.92	1.86	1.79	1.67	1.68	1.61	1.68	1.83	1.98	2.07	1.58	1.39	1.34
	0.15	0.14	0.11	0.11	0.12	0.15	0.22	0.22	0.26	0.28	0.26	0.25	0.24	0.22	0.20	0.20	0.19	0.20	0.22	0.26	0.27	0.18	0.12	0.11
CENTRL	22.47	21.77	20.63	20.54	21.00	22.95	29.18	30.65	34.08	35.29	34.36	33.47	31.52	29.25	28.00	27.56	26.92	28.39	29.66	33.45	37.19	28.00	23.78	22.20
61754	0.64	0.60	0.53	0.50	0.54	0.76	1.08	0.66	0.66	0.59	0.73	0.70	0.64	0.50	0.52	0.52	0.48	0.53	0.48	0.50	0.85	0.59	0.62	0.69
	0.20	0.19	0.15	0.15	0.17	0.21	0.20	-1.30	-1.98	-2.21	-3.11	-2.35	-1.78	-1.23	-1.43	-0.79	-1.25	-1.15	-0.98	-1.60	-2.43	-1.57	-1.06	0.16
DUNWOD	24.35	23.57	22.32	22.24	22.69	24.50	31.17	32.13	35.28	36.49	34.15	34.06	32.68	31.05	29.38	29.61	28.49	30.00	31.73	35.29	37.77	28.85	24.60	23.96
61760	2.31	2.20	2.07	2.06	2.06	2.10	2.86	3.44	3.83	4.00	3.63	3.65	3.58	3.52	3.33	3.36	3.30	3.28	3.53	3.95	3.86	3.02	2.50	2.30
	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
GENESE	21.84	21.12	20.01	19.91	20.37	22.40	28.14	27.24	29.57	30.27	28.45	28.57	27.37	25.86	24.53	25.04	24.20	25.71	26.97	29.82	32.96	25.12	21.81	21.44
61753	-0.04	-0.11	-0.14	-0.16	-0.14	0.16	0.06	-0.75	-0.91	-1.17	-0.79	-0.79	-0.87	-0.99	-0.81	-0.68	-0.81	-0.80	-1.01	-1.25	-0.68	-0.52	-0.18	-0.11
	0.15	0.14	0.11	0.11	0.12	0.15	0.23	0.70	0.96	1.05	1.28	1.05	0.86	0.67	0.70	0.52	0.19	0.20	0.22	0.27	0.27	0.19	0.12	0.11
H Q	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.86	10.50	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.81	10.78	10.56	12.50	11.08	12.50	12.50
61844	-0.95	-0.92	-0.85	-0.85	-0.87	-0.96	-1.19	-1.20	-1.32	-1.36	-1.31	-1.31	-1.25	-1.18	-1.12	-1.13	-1.08	-1.12	-1.18	-1.32	-1.46	-1.11	-0.95	-0.91
	10.84	10.20	9.16	9.09	9.51	11.18	16.87	16.63	19.62	20.88	18.96	18.86	17.60	16.09	14.68	14.87	13.86	14.78	16.24	19.47	19.95	13.63	8.65	8.26
HUD VL	24.15	23.33	22.06	22.00	22.42	24.28	30.80	31.59	34.56	35.77	33.54	33.43	32.10	30.44	28.78	29.00	27.94	29.49	31.26	34.76	37.17	28.43	24.24	23.70
61758	2.12	1.96	1.80	1.82	1.79	1.88	2.49	2.90	3.11	3.28	3.02	3.01	3.00	2.92	2.73	2.76	2.75	2.78	3.05	3.42	3.26	2.61	2.14	2.04
	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
LONGIL	25.34	24.29	22.97	22.85	23.31	25.42	32.55	33.80	37.17	38.28	34.18	34.71	32.88	31.82	30.11	30.31	29.10	30.32	33.45	37.77	38.62	30.04	24.73	23.79
61762	3.30	2.93	2.72	2.66	2.68	3.02	4.25	5.11	5.72	5.78	3.66	4.29	3.78	4.29	4.06	4.07	3.91	3.60	5.25	6.42	4.71	4.21	2.63	2.12
	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
MHK VL	22.82	22.11	21.05	20.96	21.37	23.13	29.20	29.16	31.89	32.95	30.99	30.89	29.63	28.03	26.56	26.73	25.64	27.24	28.70	31.92	34.64	26.52	22.85	22.50
61756	1.21	1.15	1.11	1.09	1.09	1.25	1.87	1.55	1.73	1.82	1.71	1.70	1.57	1.46	1.38	1.36	1.26	1.50	1.55	1.85	2.03	1.50	1.26	1.21
	0.43	0.40	0.32	0.32	0.35	0.51	0.98	1.08	1.28	1.36	1.24	1.23	1.04	0.95	0.86	0.88	0.82	0.96	1.06	1.27	1.30	0.80	0.51	0.38
MILLWD	24.35	23.57	22.32	22.24	22.69	24.43	31.14	32.08	35.15	36.36	34.06	33.94	32.59	30.94	29.27	29.53	28.40	29.94	31.65	35.26	37.74	28.80	24.55	23.94
61759	2.31	2.20	2.07	2.06	2.06	2.04	2.83	3.38	3.71	3.86	3.54	3.53	3.49	3.41	3.23	3.28	3.20	3.23	3.44	3.92	3.83	2.97	2.45	2.27
	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
N.Y.C.	24.48	23.68	22.49	22.41	22.84	24.57	31.22	32.28	35.44	36.68	34.36	34.28	32.88	31.24	29.59	29.81	28.67	30.21	31.90	35.48	37.91	29.00	24.75	24.16
61761	2.45	2.31	2.23	2.22	2.21	2.17	2.92	3.59	3.99	4.19	3.85	3.86	3.78	3.71	3.54	3.57	3.48	3.50	3.69	4.14	4.00	3.18	2.65	2.49
	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
NORTH	11.04	10.95	11.88	11.89	11.48	11.05	12.03	12.00	11.89	11.74	11.53	11.49	11.25	11.16	11.01	11.05	11.03	11.80	11.93	12.00	13.91	12.01	12.96	13.05
61755	-1.19	-1.20	-1.07	-1.07	-1.09	-1.23	-1.30	-1.66	-1.82	-1.89	-1.86	-1.89	-1.95	-1.82	-1.77	-1.76	-1.64	-1.55	-1.61	-1.75	-1.97	-1.50	-1.33	-1.15
	9.80	9.22	7.30	7.23	8.06	10.11	14.98	15.03	17.73	18.86	17.13	17.04	15.90	14.54	13.26	13.44	12.53	13.36	14.67	17.59	18.03	12.32	7.82	7.46
NPX	23.88	23.14	21.90	21.82	22.28	24.12	30.40	31.16	34.15	35.32	33.08	32.97	31.63	30.00	28.36	28.58	27.46	29.04	30.72	34.04	36.69	27.97	23.89	23.36
61845	1.85	1.77	1.64	1.63	1.65	1.72	2.09	2.47	2.70	2.83	2.56	2.56	2.53	2.48	2.32	2.33	2.27	2.32	2.51	2.70	2.78	2.14	1.79	1.69
	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

OH 61846	14.18	13.48	12.55	12.55	12.55	14.76	20.00	20.55	20.94	19.00	17.74	18.42	17.48	17.48	17.48	17.48	17.91	20.11	22.28	23.86	22.74	18.97	16.83	13.58
	0.29	0.26	0.18	0.14	0.16	0.52	0.43	-0.92	-1.29	-1.53	-0.89	-0.97	-0.93	-1.18	-0.89	-0.89	-0.83	-0.94	-1.24	-1.57	-1.09	-0.72	-0.20	0.02
	8.14	8.14	7.89	7.78	8.24	8.15	8.73	7.22	9.21	11.97	11.89	11.02	10.69	8.86	7.68	7.87	6.45	5.67	4.69	5.92	10.08	6.13	5.07	8.11
PJM 61847	23.59	22.86	21.65	21.55	22.00	23.88	30.40	32.33	35.92	37.24	36.27	35.26	33.30	30.97	29.64	29.15	28.64	30.02	31.35	35.43	39.11	29.58	25.05	23.18
	1.70	1.62	1.50	1.47	1.49	1.63	2.18	2.07	2.14	2.14	2.17	2.10	2.10	1.95	1.90	1.91	1.89	1.84	1.83	2.01	2.14	1.76	1.61	1.63
	0.14	0.13	0.10	0.10	0.12	0.15	0.09	-1.57	-2.34	-2.60	-3.58	-2.75	-2.11	-1.49	-1.70	-0.99	-1.55	-1.46	-1.31	-2.08	-3.06	-1.99	-1.33	0.11
WEST 61752	22.60	21.90	20.70	20.58	21.07	23.28	30.00	38.00	44.86	47.25	51.35	46.50	41.50	36.04	36.00	32.25	35.00	36.00	36.00	43.47	52.28	37.91	30.58	22.01
	0.70	0.66	0.55	0.50	0.56	1.03	1.13	-0.46	-0.82	-1.04	-0.34	-0.40	-0.44	-0.77	-0.42	-0.42	-0.35	-0.37	-0.70	-1.00	-0.41	-0.18	0.31	0.46
	0.14	0.13	0.11	0.10	0.12	0.15	-0.56	-9.77	-14.23	-15.80	-21.17	-16.48	-12.84	-9.29	-10.37	-6.43	-10.16	-9.66	-8.50	-13.13	-18.78	-12.26	-8.17	0.11