

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

07/17/2016

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	26.03	22.78	18.61	18.76	15.71	14.51	13.13	16.13	21.50	23.81	25.04	27.69	29.31	32.14	34.96	36.13	37.56	40.00	37.73	34.25	33.09	31.71	27.99	24.27
61757	1.13	1.03	0.88	0.87	0.85	0.84	0.85	1.12	1.32	1.65	1.76	1.88	2.04	2.23	2.49	2.63	2.79	3.00	2.73	2.51	2.34	2.24	1.88	1.53
	-7.96	-6.60	-5.08	-5.31	-2.33	-1.31	0.00	-0.06	-3.46	-1.31	-0.12	-0.08	-0.12	-0.12	-0.16	-0.19	-1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.07
CENTRL	17.80	15.88	13.20	13.17	12.75	12.46	12.32	15.00	17.16	21.01	23.22	26.16	27.67	30.63	33.26	34.44	34.67	38.23	35.87	32.21	31.00	29.62	26.29	22.88
61754	-0.05	-0.03	-0.03	-0.03	-0.04	-0.05	0.04	0.04	0.05	0.00	0.07	0.23	0.22	0.27	0.32	0.27	0.24	0.37	0.39	0.32	0.24	0.15	0.18	0.00
	-0.92	-0.76	-0.59	-0.61	-0.27	-0.15	0.00	-0.01	-0.40	-0.15	0.00	-0.20	-0.31	-0.59	-0.62	-0.87	-0.81	-0.86	-0.49	-0.15	0.00	0.00	0.00	-0.08
DUNWOD	25.06	22.03	18.00	18.05	15.73	14.80	13.72	16.74	21.42	24.49	28.34	30.45	32.81	35.77	39.24	41.01	41.78	41.59	39.19	35.61	34.50	33.12	29.40	26.55
61760	2.13	1.91	1.53	1.47	1.45	1.46	1.44	1.75	2.11	2.65	2.96	3.29	3.45	3.78	4.14	4.26	4.31	4.59	4.20	3.87	3.75	3.65	3.29	2.87
	-5.99	-4.97	-3.83	-3.99	-1.76	-0.98	0.00	-0.04	-2.59	-0.98	-2.22	-1.43	-2.21	-2.21	-2.78	-3.44	-3.85	0.00	0.00	0.00	0.00	0.00	0.00	-0.87
GENESE	17.27	15.40	12.83	12.79	12.40	12.13	12.09	14.71	16.68	20.42	22.62	25.37	26.93	29.60	32.09	32.87	33.18	36.71	34.72	31.68	30.57	29.12	26.03	22.46
61753	-0.44	-0.39	-0.30	-0.31	-0.35	-0.36	-0.20	-0.24	-0.37	-0.56	-0.53	-0.36	-0.22	-0.18	-0.22	-0.43	-0.54	-0.30	-0.28	-0.06	-0.18	-0.35	-0.08	-0.41
	-0.77	-0.64	-0.49	-0.52	-0.23	-0.13	0.00	-0.01	-0.34	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	-0.06
H Q	16.39	14.65	12.22	12.18	12.13	11.99	11.89	14.44	16.10	20.13	22.30	24.78	26.15	28.65	30.05	30.31	32.38	35.55	33.50	30.57	29.67	28.47	25.19	22.10
61844	-0.54	-0.50	-0.42	-0.40	-0.39	-0.37	-0.39	-0.51	-0.62	-0.73	-0.86	-0.95	-1.00	-1.13	-1.23	-1.27	-1.24	-1.41	-1.26	-1.17	-1.08	-1.00	-0.91	-0.71
	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	1.04	1.73	0.00	0.05	0.24	0.00	0.00	0.00	0.00	0.00
HUD VL	24.81	21.83	17.85	17.92	15.63	14.68	13.60	16.59	21.19	24.25	27.60	29.88	32.08	35.08	38.40	40.12	40.99	41.48	39.12	35.45	34.29	32.92	29.13	26.20
61758	1.95	1.76	1.42	1.37	1.37	1.35	1.31	1.60	1.90	2.42	2.71	3.03	3.20	3.57	3.91	4.13	4.20	4.48	4.13	3.71	3.53	3.45	3.03	2.62
	-5.93	-4.92	-3.79	-3.96	-1.74	-0.98	0.00	-0.04	-2.57	-0.98	-1.74	-1.11	-1.73	-1.73	-2.17	-2.69	-3.16	0.00	0.00	0.00	0.00	0.00	0.00	-0.77
LONGIL	26.30	23.40	19.95	19.74	16.16	15.23	15.00	18.55	22.96	26.12	29.34	31.64	34.01	37.09	42.21	46.69	48.34	46.71	40.88	37.05	35.83	34.25	35.56	27.43
61762	2.78	2.44	1.96	1.88	1.88	1.88	1.87	2.29	2.71	3.44	3.96	4.48	4.64	5.09	5.53	5.69	5.75	6.21	5.77	5.30	5.07	4.77	4.38	3.74
	-6.59	-5.81	-5.35	-5.28	-1.76	-0.99	-0.85	-1.32	-3.54	-1.82	-2.23	-1.43	-2.22	-2.22	-4.37	-7.70	-8.97	-3.49	-0.11	-0.01	-0.01	-0.01	-5.07	-0.88
MHK VL	18.32	16.30	13.52	13.47	13.07	12.75	12.53	15.27	17.51	21.55	23.94	26.64	28.10	30.84	33.53	34.46	34.88	38.19	36.19	32.76	31.80	30.47	26.94	23.54
61756	0.41	0.33	0.25	0.23	0.26	0.23	0.25	0.31	0.38	0.54	0.65	0.82	0.81	0.92	1.03	0.93	0.91	1.18	1.19	1.02	1.05	1.00	0.84	0.62
	-0.98	-0.82	-0.63	-0.66	-0.29	-0.15	0.00	-0.01	-0.41	-0.15	-0.14	-0.09	-0.14	-0.14	-0.18	-0.22	-0.34	0.00	0.00	0.00	0.00	0.00	0.00	-0.11
MILLWD	25.01	22.00	17.97	18.06	15.72	14.76	13.67	16.67	21.35	24.39	28.20	30.32	32.71	35.70	39.15	40.94	41.76	41.63	39.19	35.58	34.44	33.03	29.29	26.42
61759	2.05	1.85	1.48	1.45	1.43	1.41	1.39	1.67	2.02	2.54	2.87	3.19	3.39	3.75	4.10	4.26	4.34	4.62	4.20	3.84	3.69	3.56	3.18	2.76
	-6.03	-5.00	-3.85	-4.02	-1.77	-0.99	0.00	-0.04	-2.61	-0.99	-2.18	-1.40	-2.17	-2.17	-2.73	-3.37	-3.79	0.00	0.00	0.00	0.00	0.00	0.00	-0.86
N.Y.C.	26.38	22.24	18.16	18.19	15.87	14.93	13.85	16.90	21.62	25.95	29.12	30.89	33.08	35.98	39.53	41.27	42.09	41.93	39.44	35.87	34.81	33.51	30.29	27.75
61761	2.35	2.10	1.68	1.60	1.59	1.58	1.57	1.91	2.31	2.90	3.24	3.55	3.72	3.99	4.43	4.53	4.61	4.92	4.45	4.12	4.06	4.04	3.65	3.15
	-7.09	-4.99	-3.83	-4.00	-1.76	-0.98	0.00	-0.04	-2.60	-2.20	-2.72	-1.61	-2.21	-2.21	-2.78	-3.44	-3.86	0.00	0.00	0.00	0.00	0.00	-0.53	-1.80
NORTH	16.16	14.42	12.03	12.03	12.00	11.86	11.77	14.25	15.73	19.79	21.88	24.34	25.68	28.08	30.44	31.47	31.81	34.97	33.25	30.09	29.34	28.20	24.85	21.89
61755	-0.78	-0.73	-0.61	-0.55	-0.53	-0.49	-0.52	-0.70	-0.99	-1.06	-1.27	-1.39	-1.47	-1.70	-1.88	-1.83	-1.82	-2.04	-1.75	-1.65	-1.41	-1.27	-1.25	-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	0.00	0.00	0.00	0.00	0.00
NPX	25.42	22.31	18.24	18.36	15.64	14.54	13.29	16.24	21.26	23.80	25.97	28.38	30.26	33.11	36.09	37.48	38.86	40.15	37.83	34.38	33.24	31.89	28.25	24.95
61845	1.42	1.30	1.09	1.06	1.05	1.01	1.01	1.24	1.45	1.77	1.92	2.08	2.23	2.44	2.65	2.80	2.96	3.14	2.83	2.63	2.49	2.42	2.14	1.89
	-7.06	-5.86	-4.51	-4.71	-2.07	-1.17	0.00	-0.05	-3.09	-1.17	-0.89	-0.57	-0.89	-0.89	-1.12	-1.38	-2.27	0.00	0.00	0.00	0.00	0.00	0.00	-0.26

OH	17.15	15.38	12.83	12.79	12.29	12.00	12.00	14.51	16.50	19.88	21.55	23.50	24.63	25.73	28.02	27.60	28.74	31.36	31.45	29.76	28.34	26.88	24.09	21.73
61846	-0.83	-0.64	-0.48	-0.49	-0.54	-0.53	-0.28	-0.45	-0.67	-1.15	-1.18	-1.08	-1.06	-1.25	-1.36	-1.56	-1.68	-1.55	-1.50	-1.33	-1.41	-1.59	-1.02	-1.16
	-1.05	-0.87	-0.67	-0.70	-0.31	-0.17	0.00	-0.01	-0.45	-0.17	0.42	1.15	1.46	2.80	2.94	4.13	3.20	4.09	2.04	0.65	1.00	1.00	1.00	-0.09
PJM	20.83	18.52	15.28	15.29	13.94	13.34	12.84	15.60	18.89	22.16	25.00	27.80	29.76	32.99	35.93	37.66	37.92	40.07	37.22	33.23	31.86	30.44	27.10	24.00
61847	0.54	0.59	0.49	0.47	0.44	0.43	0.55	0.63	0.72	0.75	0.90	1.11	1.11	1.19	1.29	1.30	1.28	1.48	1.33	1.21	1.11	0.97	0.99	0.75
	-3.35	-2.78	-2.14	-2.24	-0.98	-0.55	0.00	-0.02	-1.45	-0.55	-0.94	-0.97	-1.50	-2.02	-2.32	-3.06	-3.01	-1.59	-0.89	-0.28	0.00	0.00	0.00	-0.44
WEST	17.41	15.60	13.00	12.95	12.45	12.19	12.23	14.81	16.82	20.35	22.53	29.02	32.55	40.30	43.37	48.81	46.00	52.50	43.00	33.99	30.17	28.61	25.80	22.18
61752	-0.53	-0.38	-0.28	-0.30	-0.36	-0.33	-0.05	-0.15	-0.33	-0.67	-0.62	-0.41	-0.32	-0.45	-0.48	-0.70	-0.77	-0.55	-0.56	-0.48	-0.61	-0.86	-0.31	-0.71
	-1.00	-0.83	-0.64	-0.67	-0.29	-0.16	0.00	-0.01	-0.43	-0.16	0.00	-3.70	-5.72	-10.97	-11.54	-16.21	-13.15	-16.05	-8.56	-2.72	-0.03	0.00	0.00	-0.08