

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

10/31/2016

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	15.64	14.71	13.78	13.64	14.27	17.15	27.27	28.12	29.06	29.46	29.27	30.27	29.34	28.01	26.87	27.10	27.80	32.62	36.49	34.45	29.70	27.01	22.71	20.77
61757	0.90	0.86	0.80	0.78	0.83	0.97	1.52	1.59	1.87	1.82	1.81	1.82	1.69	1.70	1.63	1.63	1.67	1.93	2.07	1.89	1.57	1.41	1.37	1.14
	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CENTRL	14.86	13.92	12.98	12.90	13.52	16.37	26.08	27.66	27.92	28.89	29.25	30.77	30.03	28.21	26.55	26.45	27.24	31.80	36.80	34.82	29.58	25.78	21.37	19.65
61754	0.12	0.07	0.01	0.10	0.08	0.19	0.33	0.45	-0.08	-0.06	0.06	0.11	0.22	0.16	0.15	0.13	0.08	0.06	0.34	0.46	0.20	0.18	0.02	0.02
	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.68	-0.81	-1.31	-1.74	-2.20	-2.16	-1.94	-1.24	-0.85	-1.03	-1.05	-2.03	-1.80	-1.26	0.00	0.00	0.00
DUNWOD	16.16	15.20	14.20	13.99	14.68	17.61	28.22	29.13	30.15	30.67	30.50	31.52	30.58	28.91	27.82	28.22	29.06	34.06	38.04	36.02	32.53	28.29	23.39	21.45
61760	1.42	1.34	1.23	1.15	1.24	1.44	2.47	2.60	2.96	3.04	3.05	3.07	2.93	2.80	2.67	2.75	2.93	3.38	3.61	3.45	3.01	2.69	2.05	1.83
	0.00	0.00	0.00	-0.05	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	-1.40	0.00	0.00	0.00
GENESE	14.51	13.53	12.61	12.62	13.16	16.03	25.44	26.34	26.48	26.86	26.77	29.40	28.83	27.09	25.61	25.56	26.28	30.86	35.59	33.74	28.74	25.30	21.05	19.28
61753	-0.24	-0.32	-0.36	-0.18	-0.28	-0.15	-0.31	-0.18	-0.71	-0.77	-0.69	-0.65	-0.39	-0.44	-0.45	-0.54	-0.65	-0.65	-0.41	-0.23	-0.37	-0.31	-0.30	-0.35
	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.60	-1.57	-1.41	-0.90	-0.62	-0.80	-0.82	-1.58	-1.40	-0.98	0.00	0.00	0.00
H Q	14.32	13.46	12.62	12.43	13.06	15.69	25.00	25.76	26.37	26.86	26.61	27.60	26.82	24.00	23.90	24.68	25.32	29.76	33.40	31.56	27.31	24.86	20.75	19.12
61844	-0.43	-0.39	-0.35	-0.36	-0.38	-0.48	-0.75	-0.77	-0.81	-0.77	-0.85	-0.85	-0.83	-0.84	-0.78	-0.79	-0.81	-0.92	-1.03	-1.01	-0.82	-0.74	-0.60	-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	1.28	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HUD VL	16.07	15.13	14.15	13.95	14.62	17.53	28.09	28.94	29.99	30.48	30.31	31.32	30.33	28.70	27.65	28.04	28.87	33.84	37.87	35.82	32.13	28.11	23.29	21.40
61758	1.33	1.27	1.18	1.11	1.18	1.36	2.34	2.41	2.80	2.85	2.86	2.87	2.68	2.59	2.49	2.57	2.74	3.16	3.44	3.26	2.81	2.51	1.94	1.77
	0.00	0.00	0.00	-0.05	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	-1.20	0.00	0.00	0.00
LONGIL	16.74	15.72	14.71	14.40	15.21	18.15	29.64	30.28	31.30	31.81	31.57	32.64	31.69	29.83	28.78	29.25	30.14	35.33	49.32	44.10	38.72	29.33	24.18	22.10
61762	1.99	1.87	1.74	1.56	1.76	1.97	3.58	3.74	4.11	4.17	4.12	4.18	4.04	3.71	3.62	3.77	4.00	4.63	4.99	4.79	4.16	3.71	2.84	2.47
	-0.01	0.00	0.00	-0.05	-0.01	0.00	-0.32	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.02	-9.90	-6.75	-6.44	-0.02	0.00	0.00
MHK VL	15.11	14.18	13.27	13.11	13.79	16.61	26.62	27.53	28.08	28.60	28.42	29.47	28.56	26.42	25.69	26.13	26.78	31.54	35.60	33.61	29.13	26.39	21.92	20.12
61756	0.37	0.33	0.30	0.32	0.35	0.44	0.88	1.01	0.90	0.97	0.96	1.02	0.91	0.76	0.70	0.66	0.65	0.86	1.17	1.04	0.93	0.79	0.58	0.49
	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.17	0.00	0.00	0.00	0.00	0.00	-0.08	0.00	0.00	0.00
MILLWD	16.12	15.18	14.20	13.99	14.68	17.61	28.19	29.10	30.12	30.65	30.45	31.50	30.50	28.86	27.77	28.17	28.98	34.00	38.01	35.95	32.47	28.18	23.33	21.40
61759	1.37	1.33	1.23	1.15	1.24	1.44	2.45	2.57	2.94	3.01	2.99	3.05	2.85	2.74	2.62	2.70	2.85	3.31	3.58	3.39	2.95	2.58	1.99	1.77
	0.00	0.00	0.00	-0.05	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	-1.39	0.00	0.00	0.00
N.Y.C.	16.28	15.29	14.29	14.05	14.74	17.66	28.24	29.20	30.28	30.81	30.64	31.72	30.74	29.07	28.00	28.37	29.21	34.24	38.21	36.18	32.70	28.44	23.56	21.61
61761	1.53	1.44	1.32	1.22	1.30	1.49	2.50	2.68	3.10	3.18	3.18	3.27	3.10	2.95	2.84	2.90	3.08	3.56	3.79	3.61	3.18	2.84	2.22	1.98
	0.00	0.00	0.00	-0.05	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	-1.40	0.00	0.00	0.00
NORTH	14.26	13.41	12.58	12.38	13.00	15.59	24.98	25.84	26.34	26.97	26.58	27.54	26.79	20.48	22.45	24.48	25.14	29.64	33.32	31.39	27.28	24.93	20.77	19.14
61755	-0.49	-0.44	-0.39	-0.41	-0.44	-0.58	-0.77	-0.69	-0.84	-0.66	-0.88	-0.91	-0.86	-1.02	-0.98	-0.99	-0.99	-1.04	-1.10	-1.17	-0.84	-0.67	-0.58	-0.49
	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	4.62	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPX	18.00	15.38	14.07	13.98	15.00	19.70	30.97	29.82	30.05	30.20	30.11	31.04	30.05	28.47	27.40	27.79	28.61	35.85	41.10	37.77	31.44	27.75	23.18	23.16
61845	1.28	1.22	1.10	1.04	1.14	1.34	2.19	2.25	2.58	2.57	2.58	2.59	2.40	2.35	2.24	2.32	2.48	2.88	3.06	2.90	2.45	2.15	1.84	1.65
	-1.97	-0.31	0.00	-0.16	-0.42	-2.18	-3.04	-1.04	-0.28	0.00	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	-2.29	-3.61	-2.31	-0.87	0.00	0.00	-1.88

OH 61846	14.42	13.52	12.53	12.59	13.04	15.90	25.16	23.58	23.90	23.18	22.30	21.63	21.23	20.31	20.17	21.35	22.16	26.48	27.85	27.05	23.48	20.74	17.33	16.02
	-0.32	-0.33	-0.44	-0.21	-0.40	-0.28	-0.59	-0.64	-1.47	-1.52	-1.26	-1.14	-0.86	-0.81	-0.78	-0.79	-1.02	-1.38	-1.14	-0.69	-0.96	-0.67	-0.77	-0.55
	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	2.31	1.82	2.93	3.89	5.68	5.56	5.00	4.21	3.33	2.95	2.82	5.44	4.83	3.69	4.20	3.25	3.06
PJM 61847	15.27	14.35	13.36	13.27	13.86	16.74	26.70	28.46	28.72	29.72	30.17	31.55	30.79	28.99	27.28	27.23	28.29	32.85	38.06	36.12	31.24	26.55	21.92	20.20
	0.53	0.50	0.39	0.46	0.42	0.57	0.95	1.03	0.65	0.66	0.82	0.85	0.94	0.89	0.86	0.89	0.91	0.89	1.17	1.37	0.98	0.95	0.58	0.57
	0.00	0.00	0.00	-0.03	0.00	0.00	0.00	-0.90	-0.88	-1.42	-1.89	-2.25	-2.20	-1.98	-1.27	-0.87	-1.25	-1.28	-2.46	-2.18	-2.13	0.00	0.00	0.00
WEST 61752	14.73	13.80	12.76	12.85	13.31	16.29	25.93	34.09	33.33	37.84	41.51	47.60	46.69	43.24	36.10	33.00	35.90	40.47	54.18	50.48	40.29	25.70	21.17	19.53
	-0.01	-0.06	-0.21	0.05	-0.13	0.11	0.18	0.19	-0.60	-0.66	-0.38	-0.28	0.00	0.00	0.00	0.00	-0.34	-0.55	-0.17	0.23	-0.23	0.08	-0.17	-0.10
	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-7.37	-6.74	-10.87	-14.43	-19.43	-19.04	-17.12	-10.94	-7.53	-10.11	-10.34	-19.92	-17.68	-12.39	-0.03	0.00	0.00