

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/02/2016

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	20.40	16.14	15.32	14.51	13.62	15.25	18.98	20.17	20.47	22.74	23.76	24.88	26.13	27.48	27.70	29.11	29.68	27.64	26.29	25.32	25.05	21.17	19.08	18.18
61757	1.05	0.94	0.84	0.82	0.86	0.98	1.26	1.25	1.29	1.47	1.49	1.52	1.59	1.70	1.71	1.85	1.91	1.74	1.70	1.66	1.57	1.35	1.22	1.13
	-4.10	-1.70	-2.61	-2.30	-1.00	-0.67	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	-1.77
CENTRL	15.66	13.66	12.12	11.59	11.87	13.71	17.85	19.03	19.40	21.70	22.85	24.20	25.46	26.82	26.92	28.07	28.36	26.37	24.84	23.92	23.73	20.04	17.97	15.47
61754	0.00	0.00	-0.01	-0.03	0.01	0.04	0.12	0.11	0.21	0.19	0.25	0.30	0.32	0.28	0.23	0.24	0.20	0.29	0.25	0.26	0.26	0.22	0.11	0.02
	-0.41	-0.17	-0.26	-0.23	-0.10	-0.07	0.00	0.00	0.00	-0.24	-0.34	-0.53	-0.61	-0.75	-0.70	-0.58	-0.40	-0.17	0.00	0.00	0.00	0.00	0.00	-0.18
DUNWOD	19.77	16.10	14.91	14.14	13.64	15.44	19.46	20.83	21.18	23.62	24.67	25.87	27.18	28.64	29.00	30.49	31.15	28.94	27.33	26.26	26.01	22.00	19.74	18.15
61760	1.63	1.42	1.20	1.13	1.18	1.37	1.74	1.91	2.00	2.34	2.41	2.50	2.65	2.86	3.01	3.24	3.39	3.03	2.73	2.60	2.54	2.18	1.88	1.62
	-2.89	-1.20	-1.83	-1.62	-0.71	-0.47	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	-1.26
GENESE	15.22	13.26	11.77	11.24	11.54	13.37	17.51	18.64	19.09	20.92	22.06	23.25	24.44	25.60	25.70	26.87	27.18	25.86	24.43	23.54	23.33	19.72	17.72	15.08
61753	-0.37	-0.36	-0.32	-0.34	-0.29	-0.29	-0.21	-0.28	-0.10	-0.36	-0.20	-0.12	-0.10	-0.18	-0.29	-0.38	-0.58	-0.05	-0.17	-0.12	-0.14	-0.10	-0.14	-0.34
	-0.33	-0.14	-0.21	-0.19	-0.08	-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	0.00	-0.14
H Q	14.78	13.07	11.52	11.07	11.39	13.16	17.15	18.35	18.57	20.58	21.53	22.57	23.70	24.90	25.08	26.27	26.77	24.92	23.71	22.78	22.68	19.12	17.28	14.78
61844	-0.47	-0.42	-0.36	-0.32	-0.36	-0.44	-0.57	-0.57	-0.61	-0.70	-0.73	-0.79	-0.83	-0.88	-0.91	-0.98	-1.00	-0.98	-0.88	-0.87	-0.80	-0.69	-0.59	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HUD VL	19.68	16.05	14.85	14.10	13.60	15.40	19.37	20.66	21.01	23.41	24.49	25.70	27.09	28.57	28.92	30.41	31.07	28.89	27.30	26.19	25.89	21.86	19.67	18.07
61758	1.56	1.36	1.15	1.09	1.14	1.33	1.65	1.74	1.82	2.13	2.23	2.34	2.55	2.79	2.94	3.16	3.30	2.98	2.71	2.53	2.42	2.04	1.80	1.54
	-2.88	-1.19	-1.83	-1.61	-0.70	-0.47	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	-1.25
LONGIL	25.18	21.57	19.66	16.78	17.07	19.94	23.98	23.50	25.77	29.45	33.00	34.11	41.58	45.00	50.03	70.00	77.00	52.89	45.51	41.67	36.56	33.08	30.84	26.11
61762	2.10	1.82	1.54	1.46	1.52	1.77	2.29	2.52	2.67	3.11	3.21	3.34	3.51	3.71	3.87	4.19	4.33	3.94	3.54	3.43	3.36	2.87	2.52	2.11
	-7.83	-6.26	-6.25	-3.93	-3.80	-4.58	-3.97	-2.06	-3.92	-5.06	-7.53	-7.40	-13.53	-15.51	-20.17	-38.55	-44.91	-23.04	-17.37	-14.58	-9.73	-10.38	-10.46	-8.72
MHK VL	16.06	14.01	12.44	11.90	12.16	14.05	18.25	19.47	19.76	21.96	22.96	24.09	25.27	26.53	26.79	28.10	28.63	26.66	25.36	24.39	24.25	20.41	18.35	15.85
61756	0.40	0.35	0.31	0.27	0.31	0.38	0.53	0.55	0.58	0.68	0.69	0.73	0.74	0.75	0.81	0.85	0.86	0.75	0.76	0.73	0.77	0.59	0.48	0.40
	-0.41	-0.17	-0.26	-0.23	-0.10	-0.07	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	-0.18
MILLWD	19.78	16.12	14.94	14.15	13.64	15.45	19.46	20.81	21.15	23.60	24.62	25.82	27.16	28.67	29.00	30.52	31.15	28.94	27.30	26.26	25.99	21.92	19.71	18.15
61759	1.62	1.42	1.21	1.13	1.18	1.37	1.74	1.89	1.96	2.32	2.36	2.45	2.63	2.89	3.01	3.27	3.39	3.03	2.71	2.60	2.51	2.10	1.84	1.60
	-2.92	-1.21	-1.85	-1.63	-0.71	-0.47	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	-1.27
N.Y.C.	19.93	16.23	15.02	14.22	13.72	15.51	19.56	20.98	21.33	23.83	24.96	26.59	27.67	30.85	31.09	33.91	32.97	29.13	27.75	26.87	26.67	23.32	20.74	18.29
61761	1.78	1.54	1.31	1.21	1.26	1.44	1.84	2.06	2.15	2.55	2.65	2.76	2.84	3.01	3.17	3.41	3.53	3.16	2.85	2.74	2.70	2.36	2.02	1.76
	-2.90	-1.20	-1.84	-1.62	-0.71	-0.47	0.00	0.00	0.00	0.00	-0.05	-0.47	-0.29	-2.05	-1.94	-3.25	-1.68	-0.07	-0.30	-0.47	-0.50	-1.14	-0.86	-1.26
NORTH	14.59	12.90	11.43	10.97	11.29	12.97	16.98	18.20	18.36	20.36	21.31	22.36	23.43	24.57	24.74	25.89	26.29	24.46	23.29	22.38	22.44	18.89	17.04	14.59
61755	-0.66	-0.59	-0.44	-0.42	-0.47	-0.63	-0.74	-0.72	-0.82	-0.91	-0.96	-1.00	-1.10	-1.21	-1.25	-1.36	-1.47	-1.45	-1.30	-1.28	-1.03	-0.93	-0.82	-0.69
	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
NPX	20.12	16.11	15.13	14.33	13.60	15.30	19.14	20.41	20.68	22.98	24.02	25.19	26.47	27.90	28.14	29.62	30.27	28.19	26.69	25.67	25.38	21.44	19.31	18.10
61845	1.25	1.12	0.96	0.91	0.96	1.12	1.42	1.49	1.50	1.70	1.76	1.82	1.94	2.11	2.16	2.37	2.50	2.28	2.09	2.01	1.90	1.63	1.45	1.28
	-3.62	-1.50	-2.30	-2.03	-0.88	-0.59	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	-1.55

OH 61846	15.11	13.15	11.71	11.19	11.49	13.17	17.22	18.16	18.67	19.53	20.12	20.55	21.45	21.90	22.20	23.86	25.00	24.43	23.81	22.93	22.72	19.36	17.36	14.89
	-0.59	-0.53	-0.45	-0.46	-0.38	-0.50	-0.50	-0.76	-0.52	-0.72	-0.67	-0.51	-0.47	-0.64	-0.78	-0.90	-1.03	-0.73	-0.79	-0.73	-0.75	-0.46	-0.50	-0.58
	-0.45	-0.19	-0.29	-0.25	-0.11	-0.07	0.00	0.00	0.00	1.02	1.48	2.30	2.62	3.24	3.01	2.49	1.74	0.76	0.00	0.00	0.00	0.00	0.00	-0.20
PJM 61847	17.27	14.54	13.20	12.57	12.49	14.25	18.27	19.43	19.84	22.40	23.61	25.18	26.65	28.15	28.27	29.40	29.59	27.31	25.51	24.51	24.30	20.59	18.47	16.41
	0.46	0.40	0.33	0.30	0.35	0.39	0.55	0.51	0.65	0.70	0.73	0.87	1.03	1.03	1.04	1.12	1.11	1.09	0.91	0.85	0.82	0.77	0.61	0.46
	-1.57	-0.65	-1.00	-0.88	-0.38	-0.25	0.00	0.00	0.00	-0.42	-0.61	-0.95	-1.08	-1.34	-1.24	-1.03	-0.72	-0.31	0.00	0.00	0.00	0.00	0.00	-0.68
WEST 61752	15.39	13.41	11.92	11.41	11.72	13.45	17.65	18.64	19.23	25.55	28.60	33.41	36.00	39.70	38.79	37.77	34.96	29.18	24.50	23.57	23.33	19.88	17.81	15.23
	-0.29	-0.26	-0.23	-0.23	-0.14	-0.22	-0.07	-0.28	0.04	-0.06	0.04	0.28	0.34	0.16	0.03	-0.08	-0.19	0.08	-0.10	-0.09	-0.14	0.06	-0.05	-0.23
	-0.43	-0.18	-0.28	-0.24	-0.11	-0.07	0.00	0.00	0.00	-4.34	-6.29	-9.77	-11.12	-13.76	-12.78	-10.60	-7.39	-3.19	0.00	0.00	0.00	0.00	0.00	-0.19