

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

08/30/2017

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	17.31	15.91	14.65	13.77	14.36	15.14	17.64	18.90	20.61	22.10	22.51	24.65	25.24	26.44	27.49	28.10	29.29	29.02	27.07	26.22	27.15	21.64	18.78	18.50
61757	1.12	0.97	0.81	0.84	0.83	0.95	1.21	1.22	1.39	1.47	1.47	1.66	1.63	1.82	1.82	1.79	1.87	1.87	1.72	1.74	1.90	1.43	1.26	1.14
	-0.76	-1.98	-3.23	-2.00	-2.85	-2.04	-1.12	-0.26	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	-0.06	-1.95
CENTRL	15.74	13.36	11.12	11.32	11.15	12.56	15.67	17.71	19.65	21.20	22.06	24.05	24.73	25.74	26.90	27.66	29.01	28.59	26.25	24.95	25.71	20.59	17.69	15.86
61754	0.23	0.18	0.15	0.16	0.16	0.18	0.23	0.26	0.42	0.54	0.59	0.60	0.66	0.54	0.59	0.66	0.74	0.62	0.63	0.46	0.46	0.38	0.23	0.23
	-0.09	-0.22	-0.36	-0.22	-0.32	-0.23	-0.13	-0.03	0.00	-0.03	-0.44	-0.46	-0.46	-0.58	-0.64	-0.70	-0.84	-0.82	-0.27	0.00	0.00	0.00	-0.01	-0.22
DUNWOD	17.80	15.92	14.29	13.64	14.03	15.02	17.82	19.62	21.63	23.13	23.62	25.77	26.49	27.65	28.90	29.62	30.85	30.60	28.52	27.49	28.44	22.81	19.76	18.76
61760	1.79	1.43	1.17	1.16	1.14	1.29	1.64	2.00	2.40	2.50	2.59	2.78	2.88	3.03	3.23	3.31	3.43	3.45	3.17	3.01	3.18	2.61	2.25	1.83
	-0.59	-1.54	-2.51	-1.55	-2.21	-1.59	-0.87	-0.20	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	-0.05	-1.51	
GENESE	15.49	13.09	10.89	11.12	10.93	12.31	15.36	17.32	19.38	21.05	21.54	23.47	24.23	24.94	26.08	26.83	28.03	27.64	25.83	24.68	25.31	20.35	17.34	15.56
61753	0.00	-0.05	-0.01	0.01	0.00	-0.02	-0.05	-0.12	0.15	0.41	0.50	0.48	0.61	0.32	0.41	0.53	0.60	0.49	0.48	0.19	0.05	0.14	-0.12	-0.03
	-0.07	-0.18	-0.29	-0.18	-0.26	-0.18	-0.10	-0.02	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	-0.01	-0.18	
H Q	14.28	12.47	10.20	10.49	10.26	11.68	13.96	15.31	16.74	18.17	17.96	19.21	19.57	20.39	21.51	21.91	22.66	22.20	21.99	21.53	22.28	17.77	15.31	14.80
61844	-0.62	-0.49	-0.41	-0.44	-0.42	-0.47	-0.60	-0.68	-0.81	-0.87	-0.88	-0.96	-0.99	-0.99	-1.03	-1.08	-1.13	-1.11	-1.01	-0.93	-0.96	-0.79	-0.70	-0.62
	0.52	0.00	0.00	0.00	0.00	0.00	0.75	1.43	1.68	1.60	2.19	2.82	3.05	3.24	3.13	3.32	3.64	3.84	2.34	2.02	2.01	1.64	1.45	0.00
HUD VL	17.64	15.80	14.18	13.54	13.93	14.92	17.66	19.41	21.34	22.86	23.35	25.52	26.19	27.33	28.59	29.30	30.55	30.30	28.19	27.20	28.16	22.53	19.50	18.57
61758	1.63	1.31	1.06	1.06	1.05	1.19	1.48	1.79	2.12	2.23	2.31	2.53	2.57	2.71	2.92	3.00	3.13	3.15	2.84	2.72	2.90	2.32	1.99	1.65
	-0.59	-1.53	-2.51	-1.55	-2.21	-1.58	-0.87	-0.20	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	-0.05	-1.51	
LONGIL	18.06	16.04	14.56	13.83	14.26	15.37	18.19	20.15	22.29	24.17	27.30	30.35	32.16	31.93	33.38	32.91	39.15	42.80	33.22	32.88	32.09	28.81	25.68	20.03
61762	2.05	1.54	1.43	1.34	1.37	1.63	2.00	2.52	3.06	3.30	3.30	3.63	3.85	4.04	4.23	4.39	4.61	4.62	4.26	3.99	4.19	3.33	2.92	2.45
	-0.59	-1.54	-2.51	-1.56	-2.21	-1.59	-0.87	-0.20	0.00	-0.24	-2.96	-3.73	-4.70	-3.27	-3.48	-2.21	-7.12	-11.03	-3.62	-4.41	-2.64	-5.28	-5.30	-2.16
MHK VL	15.96	13.54	11.26	11.47	11.30	12.73	15.90	18.01	19.90	21.38	21.83	23.86	24.51	25.55	26.64	27.28	28.47	28.16	26.29	25.36	26.14	20.89	18.01	16.10
61756	0.45	0.34	0.24	0.28	0.27	0.33	0.46	0.56	0.67	0.74	0.80	0.87	0.90	0.94	0.98	0.97	1.04	1.01	0.94	0.88	0.88	0.69	0.54	0.45
	-0.10	-0.25	-0.41	-0.25	-0.36	-0.26	-0.13	-0.03	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	-0.01	-0.24	
MILLWD	17.76	15.89	14.28	13.62	14.01	15.00	17.78	19.54	21.53	23.03	23.49	25.66	26.38	27.57	28.80	29.52	30.77	30.52	28.44	27.44	28.39	22.73	19.69	18.72
61759	1.74	1.39	1.14	1.13	1.11	1.25	1.59	1.92	2.31	2.39	2.46	2.67	2.76	2.95	3.13	3.21	3.34	3.37	3.09	2.96	3.13	2.53	2.18	1.79
	-0.60	-1.55	-2.53	-1.56	-2.23	-1.60	-0.88	-0.20	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	-0.05	-1.52	
N.Y.C.	18.02	16.09	14.43	13.79	14.17	15.15	17.99	19.81	22.08	24.62	23.90	26.44	26.94	29.30	29.65	30.09	31.22	30.97	29.17	28.25	29.86	23.08	21.22	19.00
61761	2.00	1.59	1.30	1.30	1.28	1.41	1.81	2.19	2.65	2.77	2.86	3.10	3.19	3.37	3.57	3.66	3.79	3.80	3.52	3.30	3.51	2.87	2.46	2.07
	-0.60	-1.54	-2.52	-1.56	-2.21	-1.59	-0.87	-0.20	-0.20	-1.22	-0.01	-0.35	-0.14	-1.30	-0.42	-0.13	0.00	-0.01	-0.30	-0.46	-1.10	-0.01	-1.30	-1.52
NORTH	14.40	12.19	9.98	10.23	10.00	11.40	14.36	16.41	17.94	19.23	19.65	21.47	22.08	23.12	24.10	24.65	25.70	25.47	23.93	23.19	23.87	19.03	16.38	14.46
61755	-1.02	-0.76	-0.64	-0.70	-0.67	-0.75	-0.95	-1.01	-1.29	-1.40	-1.39	-1.52	-1.53	-1.50	-1.57	-1.66	-1.73	-1.68	-1.42	-1.30	-1.39	-1.17	-1.08	-0.96
	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	17.44	15.82	14.40	13.65	14.12	14.99	17.60	19.13	20.90	22.33	22.76	24.88	25.48	26.64	27.77	28.44	29.62	29.38	27.40	26.51	27.40	21.96	19.09	18.48
61845	1.34	1.09	0.89	0.93	0.90	1.01	1.29	1.48	1.67	1.69	1.73	1.89	1.87	2.02	2.11	2.13	2.19	2.23	2.05	2.03	2.15	1.76	1.57	1.33
	-0.68	-1.77	-2.89	-1.79	-2.55	-1.83	-1.01	-0.23	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	-0.06	-1.74	

OH 61846	15.25	12.98	10.90	11.07	10.92	12.18	15.03	16.86	18.93	20.43	19.08	20.76	21.47	21.47	22.33	22.79	23.66	22.97	23.88	23.80	24.42	19.80	16.91	15.30
	-0.26	-0.22	-0.11	-0.11	-0.11	-0.22	-0.41	-0.59	-0.29	-0.06	0.04	-0.11	-0.07	-0.49	-0.41	-0.34	-0.19	-0.46	-0.25	-0.69	-0.83	-0.40	-0.56	-0.35
	-0.09	-0.24	-0.40	-0.25	-0.35	-0.25	-0.14	-0.03	0.01	0.14	2.00	2.11	2.07	2.66	2.93	3.18	3.58	3.72	1.21	0.00	0.00	0.00	-0.01	-0.24
PJM 61847	16.34	14.21	12.27	12.13	12.18	13.37	16.23	18.09	20.17	21.71	23.06	25.06	25.74	26.78	28.09	28.87	30.43	29.93	27.09	25.39	26.21	21.11	18.45	16.76
	0.63	0.50	0.45	0.45	0.44	0.45	0.50	0.57	0.88	1.01	1.16	1.15	1.23	1.01	1.10	1.18	1.34	1.17	1.22	0.91	0.96	0.91	0.66	0.62
	-0.29	-0.74	-1.21	-0.75	-1.07	-0.77	-0.42	-0.10	-0.05	-0.07	-0.87	-0.92	-0.90	-1.15	-1.32	-1.38	-1.66	-1.61	-0.53	0.00	0.00	0.00	-0.33	-0.73
WEST 61752	15.55	13.23	11.10	11.27	11.11	12.41	15.37	17.27	19.56	21.86	29.71	32.02	32.55	35.42	37.68	39.40	41.54	42.25	30.69	24.51	25.10	20.35	17.31	15.63
	0.05	0.04	0.11	0.10	0.10	0.02	-0.08	-0.17	0.31	0.66	0.78	0.69	0.76	0.32	0.46	0.55	0.74	0.43	0.56	0.02	-0.15	0.14	-0.16	-0.02
	-0.09	-0.23	-0.38	-0.24	-0.34	-0.24	-0.13	-0.03	-0.03	-0.57	-7.89	-8.34	-8.18	-10.48	-11.55	-12.54	-13.37	-14.67	-4.78	0.00	0.00	0.00	-0.01	-0.23