

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

06/12/2019

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	17.45	11.24	15.11	11.85	18.94	13.81	7.97	16.02	17.55	14.80	7.13	-0.33	0.04	0.07	10.41	19.46	20.96	23.54	22.39	19.02	18.83	18.42	18.75	22.41
61757	0.36	-0.01	-0.16	-0.13	-0.20	0.01	0.41	1.09	1.19	1.04	0.49	-0.02	0.00	0.00	0.72	1.35	1.50	1.70	1.62	1.09	1.02	1.18	1.27	0.14
	-12.04	-11.37	-17.55	-13.75	-21.97	-13.69	-1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.84	-5.53	-3.09	-1.32	-20.31
CENTRL	6.96	1.37	-0.10	-0.07	-0.11	1.92	6.28	16.08	17.34	14.40	6.80	-0.31	0.04	0.06	10.11	19.23	21.02	23.73	22.23	14.19	13.74	15.16	17.11	4.61
61754	0.06	0.01	-0.01	-0.01	-0.02	0.01	0.06	0.19	0.31	0.23	0.11	-0.01	0.00	0.00	0.14	0.30	0.33	0.35	0.25	0.10	0.11	0.11	0.19	0.04
	-1.85	-1.48	-2.19	-1.72	-2.75	-1.81	-0.41	-0.96	-0.66	-0.41	-0.05	0.00	0.00	0.00	-0.28	-0.84	-1.23	-1.55	-1.21	-1.00	-1.35	-0.90	-0.75	-2.61
DUNWOD	14.36	8.18	10.34	8.12	12.97	10.13	7.67	16.36	18.00	15.24	7.34	-0.34	0.05	0.07	10.79	20.21	21.81	24.45	23.19	18.14	17.69	17.98	18.93	17.14
61760	0.51	-0.01	-0.22	-0.17	-0.27	0.01	0.57	1.43	1.63	1.47	0.71	-0.03	0.00	0.01	1.09	2.11	2.35	2.61	2.43	1.50	1.36	1.56	1.79	0.23
	-8.79	-8.30	-12.83	-10.06	-16.06	-10.00	-1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.54	-4.04	-2.28	-0.97	-14.96
GENESE	4.41	0.65	-0.56	-0.43	-0.68	0.96	4.90	10.19	12.00	10.61	5.77	-0.31	0.04	0.06	7.99	13.69	15.30	16.30	15.79	10.08	8.71	11.04	12.35	3.05
61753	-0.15	0.00	0.07	0.05	0.09	0.00	-0.16	-0.34	-0.24	-0.24	-0.09	0.00	0.00	0.00	-0.15	-0.20	-0.19	-0.22	-0.29	-0.30	-0.28	-0.33	-0.35	-0.03
	0.49	-0.76	-1.65	-1.29	-2.06	-0.85	0.75	4.39	4.14	2.92	0.78	0.00	0.00	0.00	1.55	4.21	3.97	5.32	4.68	2.72	3.30	2.78	3.46	-1.12
H Q	4.71	0.38	-2.21	-1.73	-2.75	0.11	5.63	14.96	15.87	13.32	6.41	-0.30	2.00	0.06	9.37	17.49	18.79	21.06	20.05	12.66	11.87	13.69	15.59	1.88
61844	-0.17	0.00	0.07	0.05	0.09	-0.01	-0.18	-0.45	-0.50	-0.45	-0.22	0.01	0.00	0.00	-0.33	-0.62	-0.69	-0.78	-0.71	-0.44	-0.41	-0.46	-0.58	-0.07
	0.17	-0.49	0.00	0.00	0.00	0.00	0.00	-0.47	0.00	0.00	0.00	0.00	-1.97	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HUD VL	14.25	8.12	10.26	8.07	12.88	10.06	7.61	16.26	17.87	15.10	7.27	-0.34	0.04	0.07	10.68	20.01	21.57	24.21	22.97	17.97	17.52	17.80	18.73	16.87
61758	0.47	-0.01	-0.20	-0.15	-0.25	0.01	0.52	1.33	1.50	1.33	0.64	-0.03	0.00	0.01	0.99	1.90	2.12	2.37	2.21	1.37	1.23	1.42	1.61	0.20
	-8.73	-8.24	-12.74	-10.00	-15.96	-9.94	-1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.51	-4.01	-2.24	-0.96	-14.72
LONGIL	16.39	8.18	10.27	12.89	12.89	17.81	7.87	16.73	18.38	15.59	7.55	8.91	0.05	5.35	29.86	36.98	46.38	62.25	50.56	44.95	39.74	37.97	28.69	17.53
61762	0.71	-0.02	-0.30	-0.23	-0.37	0.02	0.78	1.80	2.01	1.82	0.91	-0.04	0.00	0.01	1.36	2.64	2.96	3.33	3.12	1.95	1.80	2.06	2.38	0.30
	-10.63	-8.31	-12.85	-14.90	-16.10	-17.68	-1.28	0.00	0.00	0.00	0.00	-9.26	-0.01	-5.28	-18.80	-16.24	-23.96	-37.08	-26.68	-29.90	-25.66	-21.77	-10.15	-15.28
MHK VL	6.57	1.26	-0.18	-0.13	-0.20	1.77	6.14	15.28	16.77	14.06	6.78	-0.31	0.04	0.06	9.90	18.63	20.07	22.63	21.48	13.93	13.17	14.78	16.55	4.39
61756	0.07	0.00	-0.02	-0.02	-0.03	0.00	0.11	0.35	0.40	0.30	0.14	-0.01	0.00	0.00	0.20	0.37	0.39	0.45	0.45	0.26	0.24	0.26	0.23	0.03
	-1.46	-1.38	-2.13	-1.67	-2.66	-1.66	-0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.15	-0.22	-0.34	-0.27	-0.57	-0.65	-0.37	-0.16	-2.40
MILLWD	14.46	8.27	10.49	8.23	13.15	10.24	7.68	16.38	18.00	15.23	7.34	-0.34	0.05	0.07	10.78	20.21	21.81	24.46	23.21	18.20	17.75	18.02	18.93	17.28
61759	0.51	-0.01	-0.21	-0.16	-0.27	0.01	0.57	1.45	1.63	1.47	0.70	-0.03	0.00	0.01	1.09	2.11	2.35	2.62	2.45	1.52	1.38	1.57	1.78	0.22
	-8.90	-8.40	-12.98	-10.17	-16.24	-10.11	-1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.58	-4.10	-2.30	-0.98	-15.10
N.Y.C.	14.43	8.18	10.32	8.11	12.95	10.14	7.73	16.51	18.25	15.85	9.99	4.63	4.68	4.70	12.42	20.39	22.00	24.64	23.38	18.27	17.81	18.11	19.09	17.17
61761	0.57	-0.02	-0.24	-0.18	-0.29	0.02	0.63	1.58	1.78	1.61	0.77	-0.04	0.00	0.01	1.18	2.29	2.53	2.80	2.62	1.63	1.48	1.69	1.95	0.25
	-8.80	-8.31	-12.84	-10.07	-16.07	-10.01	-1.28	0.00	-0.09	-0.47	-2.58	-4.97	-4.63	-4.63	-1.54	0.00	0.00	0.00	0.00	-3.54	-4.05	-2.28	-0.97	-14.97
NORTH	4.84	-0.12	-2.20	-1.72	-2.73	0.10	5.61	14.49	15.86	13.31	6.39	-0.29	0.04	0.06	9.33	17.46	18.71	20.99	20.05	12.61	11.82	13.64	15.45	1.86
61755	-0.21	0.00	0.08	0.06	0.10	-0.01	-0.20	-0.44	-0.51	-0.45	-0.25	0.01	0.00	0.00	-0.37	-0.64	-0.75	-0.85	-0.71	-0.49	-0.46	-0.51	-0.71	-0.09
	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	15.26	10.38	12.56	10.77	17.03	13.07	7.71	16.51	17.62	14.88	7.17	-0.33	2.00	0.07	10.51	19.66	21.19	23.76	22.55	18.40	18.49	18.19	18.43	19.03
61845	0.39	-0.01	-0.18	-0.14	-0.22	0.01	0.43	1.11	1.25	1.11	0.54	-0.02	0.00	0.01	0.81	1.56	1.71	1.92	1.79	1.17	1.09	1.24	1.37	0.16
	-9.83	-10.51	-15.01	-12.68	-20.08	-12.95	-1.47	-0.47	0.00	0.00	0.00	0.00	-1.97	0.00	0.00	0.00	-0.02	0.00	0.00	-4.14	-5.13	-2.80	-0.89	-16.92

OH	4.44	1.04	0.18	0.15	0.26	1.41	4.59	8.78	11.04	10.76	5.57	-0.30	2.00	0.06	7.90	12.64	13.75	14.60	14.26	9.42	7.84	10.41	11.37	3.77
61846	-0.27	0.01	0.12	0.09	0.15	-0.01	-0.37	-0.89	-0.71	-0.69	-0.31	0.01	0.00	0.00	-0.54	-0.84	-0.89	-1.02	-1.12	-0.88	-0.81	-0.96	-0.93	-0.08
	0.33	-1.16	-2.34	-1.84	-2.94	-1.31	0.85	5.26	4.62	2.32	0.76	0.00	-1.96	0.00	1.26	4.62	4.83	6.21	5.38	2.80	3.63	2.78	3.87	-1.90
PJM	12.72	5.96	5.63	4.42	7.06	6.92	8.02	21.95	22.91	18.52	8.06	-0.32	2.00	0.07	12.27	24.90	25.98	30.49	28.38	20.26	20.47	20.25	22.35	12.26
61847	0.21	0.00	-0.08	-0.06	-0.10	0.01	0.19	0.50	0.68	0.58	0.28	-0.02	0.00	0.00	0.40	0.86	0.98	1.09	0.94	0.50	0.44	0.47	0.65	0.10
	-7.46	-6.07	-7.99	-6.26	-10.00	-6.80	-2.02	-6.51	-5.86	-4.17	-1.15	0.00	-1.97	0.00	-2.17	-5.94	-5.53	-7.56	-6.68	-6.66	-7.76	-5.63	-5.53	-10.20
WEST	16.21	3.19	0.08	0.08	0.14	4.44	11.32	41.98	42.10	30.50	11.10	-0.31	0.04	0.07	18.50	43.77	44.70	55.97	49.85	32.58	36.15	32.33	37.49	9.10
61752	-0.19	0.01	0.09	0.07	0.11	-0.01	-0.28	-0.59	-0.35	-0.41	-0.18	0.00	0.00	0.00	-0.34	-0.47	-0.49	-0.58	-0.71	-0.66	-0.60	-0.69	-0.63	-0.04
	-11.35	-3.31	-2.28	-1.79	-2.86	-4.34	-5.78	-27.65	-26.08	-17.14	-4.64	0.00	-0.01	0.00	-9.15	-26.14	-25.73	-34.71	-29.81	-20.14	-24.47	-18.88	-21.95	-7.18