

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

10/19/2016

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	21.80	21.13	20.00	19.45	20.20	21.15	25.95	29.12	31.08	32.04	33.26	35.49	36.34	37.79	41.28	42.71	42.57	41.14	40.74	40.26	32.71	27.15	23.45	22.00
61757	0.76	0.71	0.69	0.71	0.68	0.60	0.78	0.85	1.11	1.17	1.19	1.17	1.23	1.31	1.63	1.52	1.51	1.47	1.49	1.32	1.04	0.82	0.88	0.73
	0.00	-1.60	-1.72	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	-0.29	0.00	0.00	0.00	0.00	0.00	0.00	-0.88
CENTRL	20.98	18.87	17.65	18.64	19.42	20.51	25.32	29.37	31.10	32.65	34.49	36.70	37.97	39.15	42.92	45.23	44.68	42.24	41.21	41.86	31.89	26.49	22.44	20.24
61754	-0.06	-0.09	-0.10	-0.09	-0.10	-0.04	0.15	0.17	0.15	0.19	0.19	0.27	0.28	0.15	0.08	0.08	0.08	0.20	0.35	0.58	0.22	0.16	-0.13	-0.22
	0.00	-0.15	-0.16	0.00	0.00	0.00	0.00	-0.92	-0.97	-1.59	-2.23	-2.10	-2.58	-2.52	-3.19	-3.96	-3.83	-2.37	-1.60	-2.34	0.00	0.00	0.00	-0.08
DUNWOD	22.58	21.24	19.99	19.97	20.75	21.81	26.73	30.11	32.07	33.00	34.25	36.62	37.57	39.22	42.66	44.40	46.33	42.68	42.04	41.47	33.98	28.31	24.38	22.73
61760	1.54	1.32	1.20	1.24	1.23	1.25	1.56	1.84	2.10	2.13	2.18	2.30	2.46	2.74	3.01	3.21	3.30	3.01	2.79	2.53	2.31	1.98	1.81	1.73
	0.00	-1.11	-1.19	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	-2.26	0.00	0.00	0.00	0.00	0.00	0.00	-0.61
GENESE	20.45	18.32	17.13	18.10	18.74	19.87	24.67	26.86	28.47	28.77	29.33	31.76	32.20	33.35	35.70	36.34	36.02	36.73	37.33	36.78	31.16	25.88	21.78	19.62
61753	-0.59	-0.62	-0.60	-0.64	-0.78	-0.68	-0.50	-0.54	-0.57	-0.59	-0.61	-0.55	-0.46	-0.73	-0.91	-1.07	-1.10	-0.67	-0.39	0.08	-0.51	-0.45	-0.79	-0.84
	0.00	-0.12	-0.13	0.00	0.00	0.00	0.00	0.88	0.93	1.52	2.13	2.01	2.46	2.41	3.04	3.78	3.65	2.26	1.53	2.23	0.00	0.00	0.00	-0.07
H Q	3.17	3.04	2.84	2.70	2.83	3.06	3.55	3.98	4.15	4.11	4.31	5.55	4.70	4.94	5.33	5.74	5.64	6.62	10.01	16.32	19.24	5.91	3.19	4.47
61844	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
	17.87	15.78	14.76	16.03	16.68	17.49	21.62	24.30	25.82	26.76	27.76	28.77	30.42	31.55	34.32	35.45	35.13	33.05	29.24	22.62	12.43	20.42	19.38	15.91
HUD VL	22.51	21.20	19.94	19.96	20.71	21.76	26.71	30.09	31.95	32.85	34.12	36.52	37.43	39.14	42.59	44.36	45.92	42.68	42.12	41.51	33.98	28.25	24.26	22.60
61758	1.47	1.28	1.16	1.22	1.19	1.21	1.54	1.81	1.98	1.98	2.05	2.20	2.32	2.66	2.93	3.17	3.22	3.01	2.86	2.57	2.31	1.92	1.69	1.61
	0.00	-1.10	-1.18	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	-1.93	0.00	0.00	0.00	0.00	0.00	0.00	-0.61
LONGIL	23.23	21.56	20.31	20.27	21.00	22.07	27.62	31.14	33.19	34.34	35.44	42.74	50.44	52.00	52.00	47.83	48.97	46.34	45.06	45.65	39.73	41.85	28.17	23.36
61762	2.19	1.64	1.51	1.54	1.48	1.52	2.39	2.85	3.21	3.21	3.37	3.54	3.69	4.01	4.44	4.90	5.01	4.76	4.51	4.17	3.67	3.00	2.57	2.36
	0.00	-1.11	-1.19	0.00	0.00	0.00	-0.06	-0.01	-0.01	-0.26	-0.01	-4.89	-11.64	-11.51	-7.91	-1.74	-3.19	-1.92	-1.30	-2.54	-4.39	-12.52	-3.02	-0.61
MHK VL	21.19	18.96	17.72	18.85	19.67	20.70	25.60	28.93	30.54	31.58	32.87	35.18	35.88	37.14	40.40	41.93	41.60	40.38	40.27	39.83	32.27	26.80	22.75	20.47
61756	0.15	0.09	0.07	0.11	0.16	0.14	0.43	0.65	0.57	0.71	0.80	0.86	0.77	0.66	0.75	0.74	0.65	0.71	1.02	0.90	0.60	0.47	0.18	0.06
	0.00	-0.05	-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	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
MILLWD	22.54	21.23	20.00	19.97	20.73	21.74	26.71	30.14	32.04	33.03	34.28	36.65	37.61	39.25	42.71	44.52	46.39	42.76	42.20	41.59	34.01	28.28	24.31	22.65
61759	1.49	1.30	1.20	1.24	1.21	1.19	1.54	1.87	2.07	2.16	2.21	2.33	2.49	2.77	3.05	3.33	3.38	3.10	2.95	2.65	2.34	1.95	1.74	1.65
	0.00	-1.12	-1.20	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	-2.24	0.00	0.00	0.00	0.00	0.00	0.00	-0.62
N.Y.C.	22.79	21.42	20.15	20.13	20.91	21.97	26.86	30.31	32.28	33.15	34.44	36.93	37.84	39.53	42.95	44.73	46.57	43.00	42.32	41.70	34.24	28.64	24.65	22.94
61761	1.75	1.49	1.36	1.39	1.39	1.42	1.69	2.04	2.31	2.28	2.37	2.61	2.70	3.03	3.29	3.54	3.55	3.33	3.06	2.76	2.56	2.29	2.08	1.94
	0.00	-1.12	-1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.01	0.00	-2.26	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.62
NORTH	0.51	0.48	0.45	0.47	0.50	0.54	0.72	1.00	0.81	0.86	1.00	1.99	1.00	0.91	1.08	1.11	1.11	1.99	5.50	11.64	15.51	3.00	0.68	1.99
61755	-2.90	-2.58	-2.38	-2.45	-2.56	-2.75	-3.12	-3.31	-3.69	-3.61	-3.69	-3.95	-4.11	-4.45	-4.72	-5.11	-5.10	-5.08	-4.91	-4.98	-3.90	-3.19	-2.78	-2.59
	17.63	15.76	14.77	15.82	16.46	17.26	21.33	23.97	25.48	26.40	27.38	28.38	30.01	31.12	33.85	34.97	34.57	32.60	28.84	22.31	12.26	20.14	19.12	15.81
NPX	22.16	21.15	19.98	19.73	20.51	21.54	26.63	29.86	31.80	32.78	33.99	36.24	37.26	38.85	42.35	43.99	45.41	42.40	41.88	41.23	33.70	27.91	24.06	22.54
61845	1.11	1.00	0.95	0.99	0.99	0.99	1.46	1.58	1.83	1.91	1.92	1.92	2.14	2.37	2.70	2.80	2.85	2.73	2.63	2.30	2.03	1.58	1.49	1.43
	0.00	-1.34	-1.44	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	-1.79	0.00	0.00	0.00	0.00	0.00	0.00	-0.73

OH 61846	16.64	15.68	15.09	15.67	15.96	16.06	23.02	23.93	26.31	25.72	25.27	27.84	27.47	28.53	27.92	26.77	29.01	30.22	33.66	32.09	30.53	25.51	21.37	19.26
	-0.82	-0.71	-0.65	-0.75	-0.99	-0.97	-0.91	-1.22	-1.17	-1.08	-1.09	-1.10	-1.05	-1.50	-1.86	-1.89	-1.83	-1.74	-1.49	-0.86	-1.14	-0.82	-1.20	-1.22
	3.58	2.42	1.86	2.32	2.56	3.53	1.25	3.13	2.49	4.06	5.71	5.38	6.59	6.45	9.87	12.52	9.93	7.70	4.10	5.99	0.00	0.00	0.00	-0.09
PJM 61847	21.42	19.75	18.54	19.00	19.69	20.78	25.60	29.97	31.84	33.67	35.81	37.91	39.54	40.78	44.88	47.64	48.08	43.85	42.29	43.26	32.36	26.96	22.91	20.98
	0.38	0.34	0.30	0.26	0.18	0.23	0.43	0.37	0.48	0.52	0.54	0.58	0.74	0.69	0.67	0.78	0.86	0.79	0.74	0.97	0.70	0.63	0.34	0.26
	0.00	-0.60	-0.64	0.00	0.00	0.00	0.00	-1.32	-1.39	-2.27	-3.19	-3.01	-3.68	-3.61	-4.56	-5.67	-6.46	-3.39	-2.29	-3.35	0.00	0.00	0.00	-0.33
WEST 61752	20.64	18.62	17.44	18.34	18.82	19.96	24.94	36.04	38.36	44.88	51.80	53.00	58.00	58.43	67.14	75.60	73.98	60.00	53.00	60.00	31.23	26.12	21.80	19.58
	-0.40	-0.36	-0.33	-0.39	-0.70	-0.60	-0.23	-0.48	-0.30	-0.15	-0.16	-0.07	-0.07	-0.55	-0.91	-0.91	-0.90	-0.79	-0.55	0.20	-0.44	-0.21	-0.77	-0.90
	0.00	-0.16	-0.17	0.00	0.00	0.00	0.00	-8.24	-8.69	-14.16	-19.89	-18.75	-22.96	-22.50	-28.40	-35.32	-34.11	-21.13	-14.30	-20.87	0.00	0.00	0.00	-0.09