

Energy Market Update & Daily Report						
Buffalo, NY- Weekly Weather Outlook						
1/12/2017	1/13/2017	1/14/2017	1/15/2017	1/16/2017	1/17/2017	1/18/2017
55/10	13/5	15/3	24/21	23/13	19/12	21/19

ELECTRIC POWER- NY Transfer Rates

Outlook: Forward Electric Market - NY- Zone A

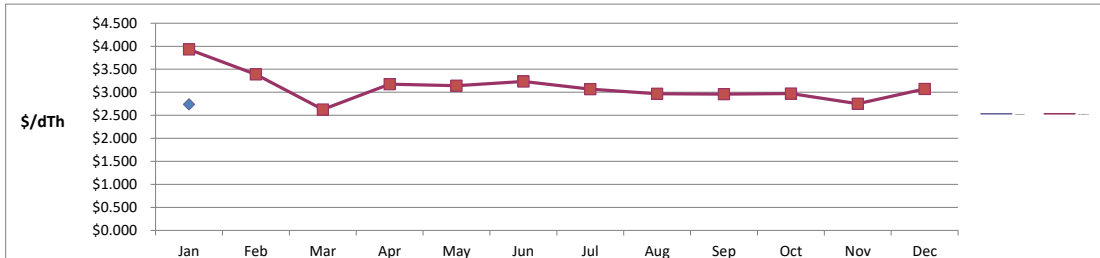
ISO Market	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18
NY- Zone A	51.33	35.15	30.08	31.83	32.80	44.63	41.87
NY- Zone C	27.00	23.75	16.35	16.35	16.35	23.20	21.00

POWER RATES (Electric): New York- NYISO- Zone A/B/C/J

Daily Hour	Zone A- West (\$/mWh)		Zone B- Genesee (\$/mWh)		Zone C- Central (\$/mWh)		Zone J- NYC (\$/mWh)	
	DAM	RTM	DAM	RTM	DAM	RTM	DAM	RTM
0	21.32	26.68	20.17	26.57	21.80	28.18	40.86	44.43
1	18.70	6.67	17.54	4.76	19.07	6.82	37.91	46.44
2	18.59	6.21	17.56	4.86	18.92	6.39	34.62	35.23
3	19.12	27.97	18.13	28.63	19.52	29.73	34.85	32.80
4	18.75	26.65	17.68	27.01	19.18	28.26	36.70	35.26
5	23.23	27.33	22.33	27.64	23.84	28.95	38.16	38.14
6	28.26	27.39	27.90	27.95	29.83	29.38	41.06	38.20
7	30.62	11.18	29.90	10.31	31.93	11.82	46.48	35.93
8	27.98	11.73	27.26	10.74	29.29	12.39	44.39	38.79
9	28.30	20.13	27.62	20.21	29.68	21.64	45.15	36.03
10	27.26	26.42	26.85	27.25	28.67	28.47	39.31	32.09
11	29.68	25.62	29.42	26.35	31.33	27.54	40.98	30.36
12	27.50	25.03	27.29	25.76	29.07	26.93	37.04	29.81
13	26.91	25.78	26.66	26.49	28.36	27.62	35.96	30.60
14	24.07	25.89	23.68	26.57	25.31	27.73	34.72	30.53
15	23.83	25.24	23.33	25.90	24.87	27.08	34.77	29.94
16	27.73	24.57	27.52	25.33	29.19	26.49	43.27	29.39
17	33.84	35.29	33.82	36.49	35.58	37.82	52.27	42.77
18	31.41	25.69	30.96	26.55	32.93	27.52	45.10	31.13
19	26.25	29.13	25.82	30.10	27.39	31.43	41.86	34.66
20	25.10	32.48	24.66	33.57	26.24	35.10	40.05	38.74
21	22.83	23.34	22.06	24.09	23.78	25.22	38.93	27.93
22	19.35	18	18.57	18.37	19.95	19.04	32.16	20.87
23	15.60	13.38	14.92	13.59	16.07	14.01	27.51	15.30
Daily Avg.	24.84	22.83	24.24	23.13	25.91	24.40	39.34	33.56

NATURAL GAS: NYMEX- Natural Gas Contract Settlement Rates History (\$/dth)

Month/Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Jan	\$7.172	\$6.136	\$5.814	\$4.216	\$3.084	\$3.354	\$4.407	\$3.189	\$2.372	\$3.930	\$2.738
Feb	\$7.996	\$4.476	\$5.274	\$4.316	\$2.678	\$3.226	\$5.557	\$2.866	\$2.189	\$3.391	
Mar	\$8.930	\$4.056	\$4.816	\$3.793	\$2.446	\$3.427	\$4.855	\$2.894	\$1.711	\$2.627	
Apr	\$9.578	\$3.631	\$3.842	\$4.240	\$2.191	\$3.976	\$4.584	\$2.590	\$1.903	\$3.175	
May	\$11.280	\$3.321	\$4.271	\$4.377	\$2.036	\$4.152	\$4.795	\$2.517	\$1.995	\$3.142	
Jun	\$11.916	\$3.538	\$4.155	\$4.326	\$2.429	\$4.148	\$4.619	\$2.815	\$1.963	\$3.236	
Jul	\$13.105	\$3.949	\$4.717	\$4.357	\$2.774	\$3.707	\$4.400	\$2.773	\$2.917	\$3.067	
Aug	\$9.217	\$3.379	\$4.774	\$4.370	\$3.010	\$3.459	\$3.808	\$2.886	\$2.672	\$2.969	
Sep	\$8.394	\$2.843	\$3.651	\$3.857	\$2.634	\$3.567	\$3.957	\$2.638	\$2.853	\$2.961	
Oct	\$7.472	\$3.730	\$3.837	\$3.759	\$3.023	\$3.498	\$3.984	\$2.563	\$2.952	\$2.974	
Nov	\$6.469	\$4.289	\$3.292	\$3.524	\$3.471	\$3.496	\$3.728	\$2.033	\$2.764	\$2.752	
Dec	\$6.888	\$4.486	\$4.267	\$3.364	\$3.696	\$3.818	\$4.282	\$2.206	\$3.232	\$3.074	
AVG	\$9.035	\$3.986	\$4.393	\$4.042	\$2.789	\$3.652	\$4.415	\$2.664	\$2.460	\$3.108	\$2.738



Resources:

Entity	Hyperlink
New Wave Energy	www.nwaveenergy.com
NYMEX	http://gsfi.net/common/NYMEXSettlementHistory.pdf
NYISO	www.nyiso.com
	http://www.cmegroup.com/trading/energy/natural-gas/natural-gas.html
National Grid (NIMO)	www.nationalgridus.com
NYSEG/RGE	www.nyseg.com / www.rge.com
National Fuel Gas	www.nationalfuelgas.com

Price to Compare

Natural Gas		
Month	Utility	Rate-to-Compare (\$/ccf)
Jan-18	Nat Fuel	\$0.4238
Electric		
Month	Utility	Rate-to-Compare (\$/kWh)
Jan-18	NYSEG	\$0.05553
Jan-18	RGE	\$0.05212
Jan-18	Natl Grid	\$0.05215