

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

05/09/2025

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
59TH STREET_GT_1	53.61	34.80	33.69	34.26	34.63	41.17	44.20	81.44	38.02	41.91	38.35	43.56	48.16	39.23	37.52	40.69	33.86	42.35	43.85	48.12	48.45	37.90	36.66	35.23
24138	2.68	1.60	1.45	1.43	1.44	1.71	2.20	4.32	2.27	2.52	2.35	2.68	2.86	2.34	2.23	2.41	2.03	2.34	2.23	2.21	2.63	2.00	2.07	2.03
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	53.74	34.87	33.74	34.32	34.69	41.26	44.30	81.60	38.12	42.01	38.43	43.66	48.28	39.34	37.61	40.80	33.95	42.44	43.96	48.23	48.54	37.98	36.74	35.30
24260	2.82	1.67	1.50	1.49	1.50	1.79	2.29	4.49	2.36	2.62	2.43	2.78	2.98	2.44	2.33	2.52	2.11	2.44	2.33	2.33	2.72	2.07	2.15	2.09
	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
74TH STREET_GT_2	53.74	34.87	33.74	34.32	34.69	41.26	44.30	81.60	38.12	42.01	38.43	43.66	48.28	39.34	37.61	40.80	33.95	42.44	43.96	48.23	48.54	37.98	36.74	35.30
24261	2.82	1.67	1.50	1.49	1.50	1.79	2.29	4.49	2.36	2.62	2.43	2.78	2.98	2.44	2.33	2.52	2.11	2.44	2.33	2.33	2.72	2.07	2.15	2.09
	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
ADK HUDSON___FALLS	52.96	34.50	33.42	34.02	34.42	40.89	43.76	80.57	37.33	41.37	37.69	43.00	47.65	38.96	37.27	40.53	33.65	42.35	44.03	48.30	48.34	37.57	36.24	34.61
24011	2.03	1.30	1.18	1.19	1.22	1.42	1.76	3.45	1.58	1.98	1.69	2.11	2.35	2.07	1.99	2.25	1.81	2.34	2.41	2.40	2.51	1.67	1.64	1.40
	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
ADK RESOURCE___RCVRY	53.17	34.65	33.53	34.14	34.55	41.04	44.02	80.98	37.50	41.66	37.94	43.32	48.01	39.26	37.55	40.85	33.87	42.70	44.39	48.65	48.65	37.73	36.40	34.72
23798	2.25	1.45	1.29	1.31	1.35	1.57	2.01	3.86	1.75	2.27	1.94	2.44	2.71	2.37	2.27	2.57	2.03	2.70	2.77	2.74	2.83	1.83	1.81	1.51
	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
ADK S GLENS___FALLS	52.96	34.50	33.42	34.02	34.42	40.89	43.76	80.57	37.33	41.37	37.69	43.00	47.65	38.96	37.27	40.53	33.65	42.35	44.03	48.30	48.34	37.57	36.24	34.61
24028	2.03	1.30	1.18	1.19	1.22	1.42	1.76	3.45	1.58	1.98	1.69	2.11	2.35	2.07	1.99	2.25	1.81	2.34	2.41	2.40	2.51	1.67	1.64	1.40
	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
ADK_NYS___DAM	52.72	34.35	33.21	33.80	34.14	40.43	42.85	78.85	36.40	40.26	36.68	41.84	46.43	38.11	36.49	39.80	33.03	41.41	43.03	47.14	47.29	36.92	35.70	34.18
23527	1.79	1.15	0.97	0.96	0.94	0.97	0.84	1.73	0.64	0.86	0.68	0.96	1.13	1.22	1.21	1.53	1.20	1.41	1.41	1.23	1.47	1.01	1.10	0.97
	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
AIR_PRODUCTS___DRP	51.06	33.39	32.38	32.95	33.27	39.35	41.92	77.11	35.87	39.51	36.13	41.00	45.44	37.28	35.63	38.69	32.21	40.34	41.85	45.96	46.02	36.05	34.80	33.39
24190	0.14	0.19	0.13	0.12	0.07	-0.12	-0.09	-0.01	0.11	0.12	0.13	0.12	0.14	0.39	0.35	0.42	0.37	0.34	0.23	0.05	0.20	0.15	0.21	0.18
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	51.35	33.46	32.52	33.08	33.46	39.91	42.51	77.93	36.05	39.63	36.14	41.00	45.68	37.18	35.58	38.53	32.13	40.53	42.30	46.74	46.36	36.43	34.95	33.53
355683	0.42	0.26	0.28	0.25	0.26	0.44	0.50	0.81	0.29	0.24	0.13	0.12	0.38	0.29	0.30	0.25	0.30	0.52	0.67	0.83	0.54	0.52	0.36	0.32
	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
ALBANY_1_SOLAR	52.19	34.07	33.08	33.68	34.02	40.32	42.93	78.93	36.64	40.36	36.86	41.81	46.35	37.92	36.23	39.38	32.77	41.12	42.74	47.01	47.09	36.83	35.52	34.10
323833	1.26	0.87	0.84	0.85	0.83	0.85	0.93	1.81	0.88	0.97	0.86	0.93	1.05	1.03	0.96	1.11	0.94	1.11	1.12	1.11	1.27	0.92	0.93	0.89
	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
ALBANY_2_SOLAR	52.16	34.06	33.06	33.67	34.01	40.29	42.92	78.91	36.63	40.35	36.85	41.81	46.34	37.90	36.23	39.38	32.76	41.11	42.73	47.00	47.07	36.81	35.51	34.09
323834	1.24	0.86	0.82	0.84	0.82	0.83	0.91	1.79	0.87	0.96	0.85	0.93	1.04	1.01	0.95	1.10	0.93	1.11	1.11	1.10	1.25	0.91	0.92	0.88
	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
ALBANY___1	51.06	33.39	32.38	32.95	33.27	39.35	41.92	77.11	35.87	39.51	36.13	41.00	45.44	37.28	35.63	38.69	32.21	40.34	41.85	45.96	46.02	36.05	34.80	33.39
23571	0.14	0.19	0.13	0.12	0.07	-0.12	-0.09	-0.01	0.11	0.12	0.13	0.12	0.14	0.39	0.35	0.42	0.37	0.34	0.23	0.05	0.20	0.15	0.21	0.18
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ALBANY___2 23572	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.07 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.51 0.12 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.28 0.39 0.00	35.63 0.35 0.00	38.69 0.42 0.00	32.21 0.37 0.00	40.34 0.34 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.02 0.20 0.00	36.05 0.15 0.00	34.80 0.21 0.00	33.39 0.18 0.00
ALBANY___3 23573	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.07 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.51 0.12 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.28 0.39 0.00	35.63 0.35 0.00	38.69 0.42 0.00	32.21 0.37 0.00	40.34 0.34 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.02 0.20 0.00	36.05 0.15 0.00	34.80 0.21 0.00	33.39 0.18 0.00
ALBANY___4 23574	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.07 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.51 0.12 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.28 0.39 0.00	35.63 0.35 0.00	38.69 0.42 0.00	32.21 0.37 0.00	40.34 0.34 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.02 0.20 0.00	36.05 0.15 0.00	34.80 0.21 0.00	33.39 0.18 0.00
ALBANY___LFGE 323615	51.57 0.64 0.00	33.70 0.50 0.00	32.66 0.42 0.00	33.25 0.42 0.00	33.57 0.38 0.00	39.72 0.26 0.00	42.34 0.34 0.00	77.90 0.79 0.00	36.23 0.47 0.00	39.93 0.54 0.00	36.50 0.50 0.00	41.45 0.57 0.00	45.95 0.65 0.00	37.66 0.77 0.00	36.00 0.71 0.00	39.09 0.82 0.00	32.53 0.70 0.00	40.76 0.75 0.00	42.32 0.70 0.00	46.47 0.56 0.00	46.53 0.70 0.00	36.42 0.52 0.00	35.15 0.56 0.00	33.71 0.49 0.00
ALCOA_PA_115KV_PL-6C 55860	51.53 0.60 0.00	33.57 0.37 0.00	32.63 0.39 0.00	33.19 0.36 0.00	33.58 0.38 0.00	40.06 0.59 0.00	42.68 0.67 0.00	78.23 1.11 0.00	36.18 0.43 0.00	39.76 0.36 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.88 0.58 0.00	37.35 0.46 0.00	35.75 0.47 0.00	38.68 0.40 0.00	32.26 0.42 0.00	40.70 0.70 0.00	42.48 0.86 0.00	46.83 0.92 0.00	46.46 0.63 0.00	36.62 0.72 0.00	35.12 0.53 0.00	33.68 0.47 0.00
ALCOA_RYNLDS___DRP 24188	51.53 0.60 0.00	33.57 0.37 0.00	32.63 0.39 0.00	33.19 0.36 0.00	33.58 0.38 0.00	40.06 0.59 0.00	42.68 0.67 0.00	78.23 1.11 0.00	36.18 0.43 0.00	39.76 0.36 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.88 0.58 0.00	37.35 0.46 0.00	35.75 0.47 0.00	38.68 0.40 0.00	32.26 0.42 0.00	40.70 0.70 0.00	42.48 0.86 0.00	46.83 0.92 0.00	46.46 0.63 0.00	36.62 0.72 0.00	35.12 0.53 0.00	33.68 0.47 0.00
ALCOA___DSASP 323711	51.53 0.60 0.00	33.57 0.37 0.00	32.63 0.39 0.00	33.19 0.36 0.00	33.58 0.39 0.00	40.06 0.59 0.00	42.68 0.67 0.00	78.23 1.11 0.00	36.18 0.43 0.00	39.76 0.36 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.88 0.58 0.00	37.35 0.46 0.00	35.75 0.47 0.00	38.68 0.40 0.00	32.26 0.43 0.00	40.70 0.70 0.00	42.48 0.86 0.00	46.83 0.92 0.00	46.46 0.63 0.00	36.62 0.72 0.00	35.12 0.53 0.00	33.68 0.47 0.00
ALLEGHENY___COGEN 23514	50.59 -0.34 0.00	32.82 -0.38 0.00	31.95 -0.29 0.00	32.63 -0.20 0.00	33.05 -0.14 0.00	39.67 0.20 0.00	42.28 0.27 0.00	77.12 0.00 0.00	35.28 -0.48 0.00	38.80 -1.17 -0.57	33.33 -1.35 1.32	62.13 -1.87 -23.11	83.80 -2.20 -40.70	81.99 -1.96 -47.05	47.13 -1.93 -13.78	70.16 -2.11 -33.99	40.41 -1.87 -10.45	36.44 -2.22 1.34	39.67 -1.95 0.00	45.27 -0.63 0.00	45.77 -0.06 0.00	35.71 -0.19 0.00	34.34 -0.26 0.00	32.70 -0.51 0.00
ALTAMONT_115KV_TB 2 55880	51.71 0.78 0.00	33.72 0.52 0.00	32.73 0.49 0.00	33.31 0.48 0.00	33.64 0.45 0.00	39.89 0.42 0.00	42.50 0.49 0.00	78.15 1.03 0.00	36.30 0.54 0.00	40.03 0.64 0.00	36.56 0.56 0.00	41.55 0.67 0.00	46.03 0.73 0.00	37.63 0.73 0.00	35.96 0.68 0.00	39.07 0.79 0.00	32.49 0.65 0.00	40.76 0.76 0.00	42.33 0.71 0.00	46.54 0.63 0.00	46.61 0.79 0.00	36.47 0.56 0.00	35.21 0.62 0.00	33.80 0.59 0.00
ALTONA_WT_PWR 323606	52.21 1.28 0.00	34.03 0.83 0.00	33.00 0.76 0.00	33.58 0.75 0.00	34.01 0.81 0.00	40.55 1.08 0.00	43.22 1.22 0.00	79.32 2.20 0.00	36.57 0.81 0.00	40.06 0.67 0.00	36.54 0.54 0.00	41.62 0.74 0.00	46.23 0.93 0.00	37.61 0.71 0.00	36.01 0.73 0.00	38.99 0.72 0.00	32.49 0.66 0.00	40.91 0.90 0.00	42.66 1.04 0.00	47.21 1.30 0.00	46.95 1.13 0.00	36.76 0.85 0.00	35.25 0.66 0.00	33.82 0.61 0.00
AMERICAN_REF_FUEL 24010	46.25 -4.67 0.00	29.90 -3.30 0.00	29.17 -3.07 0.00	29.86 -2.97 0.00	30.30 -2.89 0.00	36.40 -3.06 0.00	38.68 -3.33 0.00	69.80 -7.32 0.00	32.12 -3.64 0.00	33.60 -4.50 1.30	31.33 -3.83 0.84	30.67 -4.38 5.84	27.80 -4.83 12.67	21.21 -4.20 11.48	27.61 -4.30 3.37	25.44 -4.54 8.29	24.72 -4.10 3.02	33.99 -5.19 0.82	36.37 -5.25 0.00	41.37 -4.54 0.00	41.30 -4.52 0.00	32.24 -3.66 0.00	31.36 -3.24 0.00	30.10 -3.11 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	48.39 -2.54 0.00	31.62 -1.58 0.00	30.82 -1.42 0.00	31.34 -1.49 0.00	31.61 -1.59 0.00	37.81 -1.66 0.00	40.22 -1.78 0.00	73.26 -3.86 0.00	33.97 -1.79 0.00	35.32 -2.55 1.53	32.54 -2.42 1.04	31.71 -2.84 6.34	28.00 -3.38 13.92	21.20 -3.29 12.41	28.38 -3.26 3.64	26.66 -3.35 8.27	25.78 -2.96 3.09	35.41 -3.57 1.02	38.36 -3.26 0.00	43.65 -2.26 0.00	43.57 -2.26 0.00	33.77 -2.14 0.00	32.75 -1.85 0.00	31.15 -2.06 0.00
ARTHUR KILL_GT_1 23520	53.44 2.51 0.00	34.88 1.67 0.00	33.88 1.64 0.00	34.57 1.74 0.00	34.96 1.76 0.00	41.57 2.10 0.00	44.47 2.45 -0.01	84.26 3.93 -3.21	48.95 1.90 -11.29	73.54 2.11 -32.04	60.77 2.11 -22.67	53.22 2.18 -10.16	65.30 2.30 -17.70	49.91 1.87 -11.15	48.67 1.83 -11.56	53.86 1.95 -13.64	50.27 1.64 -16.80	47.92 1.85 -6.07	47.61 1.72 -4.26	51.71 1.64 -4.16	66.36 2.30 -18.24	49.79 2.08 -11.81	48.51 2.20 -11.72	35.46 2.24 -0.01
ARTHUR_KILL_2 23512	53.29 2.36 0.00	34.80 1.59 0.00	33.80 1.56 0.00	34.51 1.68 0.00	34.88 1.69 0.00	41.46 1.99 0.00	44.35 2.33 -0.01	84.05 3.72 -3.21	48.89 1.84 -11.29	73.46 2.03 -32.04	60.69 2.02 -22.67	53.12 2.08 -10.16	65.17 2.17 -17.70	49.78 1.74 -11.15	48.58 1.75 -11.56	53.77 1.85 -13.64	50.20 1.56 -16.80	47.85 1.78 -6.07	47.54 1.65 -4.26	51.58 1.51 -4.16	66.26 2.19 -18.24	49.73 2.01 -11.81	48.44 2.13 -11.72	35.37 2.15 -0.01
ARTHUR_KILL_3 23513	53.22 2.29 0.00	34.52 1.31 0.00	33.37 1.13 0.00	33.95 1.12 0.00	34.31 1.11 0.00	40.77 1.31 0.00	43.79 1.77 -0.01	82.83 3.60 -2.11	48.70 1.95 -10.99	137.58 2.16 -96.03	65.02 1.98 -27.04	53.34 2.31 -10.15	70.42 2.46 -22.66	54.30 2.00 -15.41	48.75 1.90 -11.56	53.98 2.06 -13.65	50.38 1.75 -16.80	48.07 2.01 -6.06	47.67 1.90 -4.15	51.82 1.85 -4.06	61.33 2.26 -13.25	49.38 1.68 -11.80	48.07 1.77 -11.71	34.93 1.71 -0.01

ARTHUR_KILL_COGEN 323718	53.43 2.50 0.00	34.88 1.67 0.00	33.88 1.64 0.00	34.59 1.76 0.00	34.97 1.77 0.00	41.57 2.10 0.00	44.47 2.45 -0.01	84.27 3.94 -3.21	48.99 1.94 -11.29	73.56 2.13 -32.04	60.79 2.13 -22.67	53.24 2.20 -10.16	65.30 2.31 -17.70	49.89 1.85 -11.15	48.68 1.84 -11.56	53.87 1.95 -13.64	50.28 1.64 -16.80	47.95 1.88 -6.07	47.65 1.76 -4.26	51.71 1.64 -4.16	66.38 2.33 -18.24	49.84 2.12 -11.81	48.54 2.23 -11.72	35.46 2.24 -0.01
ASHOKAN____ 23654	53.23 2.31 0.00	34.60 1.40 0.00	33.57 1.32 0.00	34.15 1.32 0.00	34.51 1.32 0.00	41.00 1.53 0.00	43.90 1.90 0.00	81.06 3.94 0.00	37.83 2.08 0.00	41.78 2.39 0.00	38.21 2.21 0.00	43.40 2.51 0.00	48.11 2.81 0.00	39.21 2.32 0.00	37.43 2.15 0.00	40.63 2.35 0.00	33.81 1.98 0.00	42.40 2.40 0.00	44.03 2.41 0.00	48.45 2.55 0.00	48.61 2.79 0.00	37.95 2.05 0.00	36.58 1.99 0.00	35.06 1.85 0.00
ASTORIA_EAST_ENERGY_CC1 323581	53.46 2.53 0.00	34.73 1.53 0.00	33.55 1.31 0.00	34.14 1.31 0.00	34.52 1.33 0.00	41.01 1.54 0.00	43.97 1.97 0.00	80.88 3.76 0.00	37.82 2.07 0.00	41.62 2.23 0.00	39.20 2.12 -1.08	44.36 2.36 -1.11	47.81 2.49 -0.02	39.41 2.11 -0.41	37.56 1.98 -0.29	40.51 2.11 -0.13	33.70 1.78 -0.08	42.22 2.02 -0.19	43.52 1.89 0.00	47.68 1.78 0.00	48.03 2.21 0.00	37.55 1.65 0.00	36.32 1.73 0.00	34.98 1.77 0.00
ASTORIA_EAST_ENERGY_CC2 323582	53.46 2.53 0.00	34.73 1.53 0.00	33.55 1.31 0.00	34.14 1.31 0.00	34.52 1.33 0.00	41.01 1.54 0.00	43.97 1.97 0.00	80.88 3.76 0.00	37.82 2.07 0.00	41.62 2.23 0.00	39.20 2.12 -1.08	44.36 2.36 -1.11	47.81 2.49 -0.02	39.41 2.11 -0.41	37.56 1.98 -0.29	40.51 2.11 -0.13	33.70 1.78 -0.08	42.22 2.02 -0.19	43.52 1.89 0.00	47.68 1.78 0.00	48.03 2.21 0.00	37.55 1.65 0.00	36.32 1.73 0.00	34.98 1.77 0.00
ASTORIA_GT2_1 24094	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT2_2 24095	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT2_3 24096	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT2_4 24097	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT3_1 24098	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT3_2 24099	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT3_3 24100	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT3_4 24101	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT4_1 24102	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT4_2 24103	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT4_3 24104	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00

ASTORIA_GT4_4 24105	53.49 2.56 0.00	34.74 1.54 0.00	33.57 1.33 0.00	34.13 1.30 0.00	34.53 1.33 0.00	41.04 1.58 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.63 2.24 0.00	39.26 2.18 -1.08	44.40 2.40 -1.11	47.84 2.52 -0.02	39.49 2.18 -0.41	37.60 2.02 -0.29	40.56 2.15 -0.13	33.71 1.80 -0.08	42.23 2.03 -0.19	43.53 1.91 0.00	47.71 1.81 0.00	48.04 2.22 0.00	37.55 1.65 0.00	36.32 1.73 0.00	35.00 1.79 0.00
ASTORIA_GT_1 23523	53.55 2.62 0.00	34.79 1.59 0.00	33.61 1.37 0.00	34.17 1.34 0.00	34.57 1.37 0.00	41.09 1.63 0.00	44.07 2.06 0.00	81.06 3.95 0.00	37.90 2.14 0.00	41.70 2.31 0.00	39.32 2.24 -1.08	44.47 2.48 -1.11	47.93 2.61 -0.02	39.56 2.25 -0.41	37.66 2.08 -0.29	40.63 2.22 -0.13	33.77 1.86 -0.08	42.30 2.10 -0.19	43.61 1.99 0.00	47.79 1.88 0.00	48.13 2.31 0.00	37.62 1.71 0.00	36.38 1.79 0.00	35.04 1.84 0.00
ASTORIA_GT_10 24110	53.43 2.51 0.00	34.71 1.51 0.00	33.60 1.36 0.00	34.16 1.33 0.00	34.54 1.35 0.00	41.05 1.58 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.18 2.18 0.00	43.36 2.48 0.00	47.93 2.63 0.00	39.08 2.18 0.00	37.36 2.08 0.00	40.50 2.23 0.00	33.72 1.88 0.00	42.15 2.14 0.00	43.65 2.02 0.00	47.86 1.95 0.00	48.20 2.38 0.00	37.74 1.84 0.00	36.52 1.93 0.00	35.13 1.92 0.00
ASTORIA_GT_11 24225	53.43 2.51 0.00	34.71 1.51 0.00	33.60 1.36 0.00	34.16 1.33 0.00	34.54 1.35 0.00	41.05 1.58 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.18 2.18 0.00	43.36 2.48 0.00	47.93 2.63 0.00	39.08 2.18 0.00	37.36 2.08 0.00	40.50 2.23 0.00	33.72 1.88 0.00	42.15 2.14 0.00	43.65 2.02 0.00	47.86 1.95 0.00	48.20 2.38 0.00	37.74 1.84 0.00	36.52 1.93 0.00	35.13 1.92 0.00
ASTORIA_GT_12 24226	53.43 2.51 0.00	34.71 1.51 0.00	33.60 1.36 0.00	34.16 1.33 0.00	34.54 1.35 0.00	41.05 1.58 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.18 2.18 0.00	43.36 2.48 0.00	47.93 2.63 0.00	39.08 2.18 0.00	37.36 2.08 0.00	40.50 2.23 0.00	33.72 1.88 0.00	42.15 2.14 0.00	43.65 2.02 0.00	47.86 1.95 0.00	48.20 2.38 0.00	37.74 1.84 0.00	36.52 1.93 0.00	35.13 1.92 0.00
ASTORIA_GT_13 24227	53.43 2.51 0.00	34.71 1.51 0.00	33.60 1.36 0.00	34.16 1.33 0.00	34.54 1.35 0.00	41.05 1.58 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.18 2.18 0.00	43.36 2.48 0.00	47.93 2.63 0.00	39.08 2.18 0.00	37.36 2.08 0.00	40.50 2.23 0.00	33.72 1.88 0.00	42.15 2.14 0.00	43.65 2.02 0.00	47.86 1.95 0.00	48.20 2.38 0.00	37.74 1.84 0.00	36.52 1.93 0.00	35.13 1.92 0.00
ASTORIA_GT_5 24106	53.55 2.62 0.00	34.79 1.59 0.00	33.61 1.37 0.00	34.17 1.34 0.00	34.57 1.37 0.00	41.09 1.63 0.00	44.07 2.06 0.00	81.06 3.95 0.00	37.90 2.14 0.00	41.70 2.31 0.00	39.32 2.24 -1.08	44.47 2.48 -1.11	47.93 2.61 -0.02	39.56 2.25 -0.41	37.66 2.08 -0.29	40.63 2.22 -0.13	33.77 1.86 -0.08	42.30 2.10 -0.19	43.61 1.99 0.00	47.79 1.88 0.00	48.13 2.31 0.00	37.62 1.71 0.00	36.38 1.79 0.00	35.04 1.84 0.00
ASTORIA_GT_7 24107	53.55 2.62 0.00	34.79 1.59 0.00	33.61 1.37 0.00	34.17 1.34 0.00	34.57 1.37 0.00	41.09 1.63 0.00	44.07 2.06 0.00	81.06 3.95 0.00	37.90 2.14 0.00	41.70 2.31 0.00	39.32 2.24 -1.08	44.47 2.48 -1.11	47.93 2.61 -0.02	39.56 2.25 -0.41	37.66 2.08 -0.29	40.63 2.22 -0.13	33.77 1.86 -0.08	42.30 2.10 -0.19	43.61 1.99 0.00	47.79 1.88 0.00	48.13 2.31 0.00	37.62 1.71 0.00	36.38 1.79 0.00	35.04 1.84 0.00
ASTORIA_GT_8 24108	53.55 2.62 0.00	34.79 1.59 0.00	33.61 1.37 0.00	34.17 1.34 0.00	34.57 1.37 0.00	41.09 1.63 0.00	44.07 2.06 0.00	81.06 3.95 0.00	37.90 2.14 0.00	41.70 2.31 0.00	39.32 2.24 -1.08	44.47 2.48 -1.11	47.93 2.61 -0.02	39.56 2.25 -0.41	37.66 2.08 -0.29	40.63 2.22 -0.13	33.77 1.86 -0.08	42.30 2.10 -0.19	43.61 1.99 0.00	47.79 1.88 0.00	48.13 2.31 0.00	37.62 1.71 0.00	36.38 1.79 0.00	35.04 1.84 0.00
ASTORIA___2 24149	53.49 2.56 0.00	34.75 1.55 0.00	33.57 1.33 0.00	34.16 1.33 0.00	34.54 1.34 0.00	41.03 1.56 0.00	43.99 1.99 0.00	80.93 3.81 0.00	37.84 2.08 0.00	41.64 2.25 0.00	39.22 2.14 -1.08	44.38 2.39 -1.11	47.84 2.51 -0.02	39.42 2.12 -0.41	37.58 2.00 -0.29	40.54 2.14 -0.13	33.71 1.80 -0.08	42.24 2.04 -0.19	43.54 1.92 0.00	47.72 1.81 0.00	48.05 2.22 0.00	37.57 1.67 0.00	36.33 1.73 0.00	35.00 1.79 0.00
ASTORIA___3 23516	53.43 2.51 0.00	34.72 1.51 0.00	33.60 1.36 0.00	34.19 1.36 0.00	34.55 1.36 0.00	41.04 1.57 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.87 2.12 0.00	41.72 2.33 0.00	38.17 2.17 0.00	43.35 2.47 0.00	47.92 2.63 0.00	39.05 2.16 0.00	37.34 2.07 0.00	40.50 2.23 0.00	33.72 1.89 0.00	42.15 2.15 0.00	43.66 2.04 0.00	47.86 1.95 0.00	48.20 2.37 0.00	37.75 1.85 0.00	36.54 1.94 0.00	35.13 1.92 0.00
ASTORIA___4 23517	53.43 2.51 0.00	34.71 1.51 0.00	33.60 1.36 0.00	34.16 1.33 0.00	34.54 1.35 0.00	41.05 1.58 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.18 2.18 0.00	43.36 2.48 0.00	47.93 2.63 0.00	39.08 2.18 0.00	37.36 2.08 0.00	40.50 2.23 0.00	33.72 1.88 0.00	42.15 2.14 0.00	43.65 2.02 0.00	47.86 1.95 0.00	48.20 2.38 0.00	37.74 1.84 0.00	36.52 1.93 0.00	35.13 1.92 0.00
ASTORIA___5 23518	53.43 2.51 0.00	34.72 1.51 0.00	33.60 1.36 0.00	34.19 1.36 0.00	34.55 1.36 0.00	41.04 1.57 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.87 2.12 0.00	41.72 2.33 0.00	38.17 2.17 0.00	43.35 2.47 0.00	47.92 2.63 0.00	39.05 2.16 0.00	37.34 2.07 0.00	40.50 2.23 0.00	33.72 1.89 0.00	42.15 2.15 0.00	43.66 2.04 0.00	47.86 1.95 0.00	48.20 2.37 0.00	37.75 1.85 0.00	36.54 1.94 0.00	35.13 1.92 0.00
AST_ENERGY_2_CC3 323677	53.35 2.42 0.00	34.64 1.44 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.27 0.00	40.95 1.48 0.00	43.93 1.93 0.00	80.89 3.78 0.00	37.77 2.01 0.00	41.62 2.23 0.00	38.07 2.07 0.00	43.26 2.38 0.00	47.83 2.53 0.00	38.96 2.07 0.00	37.27 1.99 0.00	40.42 2.15 0.00	33.66 1.82 0.00	42.07 2.07 0.00	43.57 1.95 0.00	47.80 1.89 0.00	48.11 2.29 0.00	37.67 1.76 0.00	36.44 1.85 0.00	35.02 1.82 0.00
AST_ENERGY_2_CC4 323678	53.35 2.42 0.00	34.64 1.44 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.27 0.00	40.95 1.48 0.00	43.93 1.93 0.00	80.89 3.78 0.00	37.77 2.01 0.00	41.62 2.23 0.00	38.07 2.07 0.00	43.26 2.38 0.00	47.83 2.53 0.00	38.96 2.07 0.00	37.27 1.99 0.00	40.42 2.15 0.00	33.66 1.82 0.00	42.07 2.07 0.00	43.57 1.95 0.00	47.80 1.89 0.00	48.11 2.29 0.00	37.67 1.76 0.00	36.44 1.85 0.00	35.02 1.82 0.00

ATHENS_STG_1 23668	51.87 0.95 0.00	33.80 0.60 0.00	32.81 0.57 0.00	33.40 0.57 0.00	33.74 0.55 0.00	39.99 0.52 0.00	42.66 0.66 0.00	78.52 1.40 0.00	36.52 0.77 0.00	40.27 0.88 0.00	36.80 0.80 0.00	41.81 0.93 0.00	46.28 0.98 0.00	37.76 0.87 0.00	36.12 0.83 0.00	39.21 0.93 0.00	32.60 0.77 0.00	40.88 0.88 0.00	42.43 0.81 0.00	46.64 0.73 0.00	46.79 0.97 0.00	36.61 0.71 0.00	35.38 0.79 0.00	34.02 0.81 0.00
ATHENS_STG_2 23670	51.87 0.95 0.00	33.80 0.60 0.00	32.81 0.57 0.00	33.40 0.57 0.00	33.74 0.55 0.00	39.99 0.52 0.00	42.66 0.66 0.00	78.52 1.40 0.00	36.52 0.77 0.00	40.27 0.88 0.00	36.80 0.80 0.00	41.81 0.93 0.00	46.28 0.98 0.00	37.76 0.87 0.00	36.12 0.83 0.00	39.21 0.93 0.00	32.60 0.77 0.00	40.88 0.88 0.00	42.43 0.81 0.00	46.64 0.73 0.00	46.79 0.97 0.00	36.61 0.71 0.00	35.38 0.79 0.00	34.02 0.81 0.00
ATHENS_STG_3 23677	51.87 0.95 0.00	33.80 0.60 0.00	32.81 0.57 0.00	33.40 0.57 0.00	33.74 0.55 0.00	39.99 0.52 0.00	42.66 0.66 0.00	78.52 1.40 0.00	36.52 0.77 0.00	40.27 0.88 0.00	36.80 0.80 0.00	41.81 0.93 0.00	46.28 0.98 0.00	37.76 0.87 0.00	36.12 0.83 0.00	39.21 0.93 0.00	32.60 0.77 0.00	40.88 0.88 0.00	42.43 0.81 0.00	46.64 0.73 0.00	46.79 0.97 0.00	36.61 0.71 0.00	35.38 0.79 0.00	34.02 0.81 0.00
AUBURN____LFGE 323710	50.52 -0.41 0.00	32.95 -0.25 0.00	31.89 -0.35 0.00	32.49 -0.34 0.00	32.99 -0.21 0.00	39.22 -0.25 0.00	41.87 -0.14 0.00	76.73 -0.39 0.00	35.58 -0.18 0.00	39.52 -0.30 -0.43	36.10 -0.26 -0.36	41.28 -0.55 -0.95	45.54 -0.51 -0.75	36.42 -0.47 0.00	34.82 -0.47 0.00	37.76 -0.52 0.00	31.41 -0.56 -0.13	39.80 -0.53 -0.32	41.14 -0.48 0.00	45.46 -0.45 0.00	45.56 -0.26 0.00	35.62 -0.28 0.00	34.30 -0.29 0.00	32.87 -0.33 0.00
BABYLON_RES_REC 323704	53.61 2.69 0.00	34.68 1.48 0.00	33.55 1.31 0.00	34.09 1.26 0.00	34.46 1.27 0.00	41.06 1.59 0.00	44.09 2.09 0.00	81.03 3.92 0.00	37.88 2.12 0.00	43.33 2.51 -1.43	57.29 2.63 -18.66	54.83 3.05 -10.90	49.23 3.17 -0.75	49.17 2.78 -9.49	46.42 2.73 -8.40	44.54 2.81 -3.46	37.43 2.32 -3.28	42.90 2.67 -0.23	44.02 2.40 0.00	48.33 2.42 0.00	48.41 2.58 0.00	37.89 1.99 0.00	36.76 2.17 0.00	35.45 2.24 0.00
BALL_HILL_WT_PWR 323825	48.13 -2.80 0.00	31.26 -1.94 0.00	30.48 -1.76 0.00	31.09 -1.74 0.00	31.46 -1.74 0.00	37.70 -1.77 0.00	40.04 -1.97 0.00	72.71 -4.41 0.00	33.57 -2.19 0.00	34.92 -2.89 1.59	32.44 -2.57 0.99	30.18 -3.04 7.65	25.49 -3.48 16.33	18.57 -3.21 15.11	27.63 -3.22 4.43	24.09 -3.42 10.76	24.89 -3.07 3.88	35.26 -3.78 0.96	38.01 -3.61 0.00	43.17 -2.74 0.00	43.13 -2.69 0.00	33.61 -2.30 0.00	32.61 -1.99 0.00	31.17 -2.04 0.00
BARON_WINDS____WT_PWR 323822	49.27 -1.66 0.00	31.98 -1.22 0.00	31.13 -1.11 0.00	31.79 -1.04 0.00	32.14 -1.06 0.00	38.41 -1.06 0.00	40.74 -1.27 0.00	74.32 -2.80 0.00	34.39 -1.37 0.00	32.61 -1.88 4.90	32.36 -1.85 1.79	-0.52 -2.25 39.15	-34.60 -2.67 77.23	-44.03 -2.28 78.64	10.07 -2.18 23.03	-20.91 -2.38 56.81	10.52 -2.11 19.21	35.75 -2.56 1.70	39.26 -2.37 0.00	44.12 -1.79 0.00	44.23 -1.59 0.00	34.36 -1.54 0.00	33.19 -1.40 0.00	31.60 -1.61 0.00
BARRETT_IC_1 23704	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT_IC_10 23701	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	46.52 2.29 -4.84	67.01 2.06 -28.95	66.82 2.52 -23.41	76.23 2.69 -28.24	58.43 2.17 -19.37	57.19 2.10 -19.81	55.66 2.25 -15.14	49.01 1.91 -15.26	67.92 2.22 -25.70	65.41 1.98 -21.80	53.85 2.03 -5.91	48.08 2.24 -0.03	65.61 1.77 -27.93	114.15 1.89 -77.66	107.77 2.00 -72.57
BARRETT_IC_11 23702	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	46.52 2.29 -4.84	67.01 2.06 -28.95	66.82 2.52 -23.41	76.23 2.69 -28.24	58.43 2.17 -19.37	57.19 2.10 -19.81	55.66 2.25 -15.14	49.01 1.91 -15.26	67.92 2.22 -25.70	65.41 1.98 -21.80	53.85 2.03 -5.91	48.08 2.24 -0.03	65.61 1.77 -27.93	114.15 1.89 -77.66	107.77 2.00 -72.57
BARRETT_IC_12 23703	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	46.52 2.29 -4.84	67.01 2.06 -28.95	66.82 2.52 -23.41	76.23 2.69 -28.24	58.43 2.17 -19.37	57.19 2.10 -19.81	55.66 2.25 -15.14	49.01 1.91 -15.26	67.92 2.22 -25.70	65.41 1.98 -21.80	53.85 2.03 -5.91	48.08 2.24 -0.03	65.61 1.77 -27.93	114.15 1.89 -77.66	107.77 2.00 -72.57
BARRETT_IC_2 23705	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT_IC_3 23706	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT_IC_4 23707	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT_IC_5 23708	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80

BARRETT_IC_6 23709	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT_IC_7 23710	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.14 1.31 0.00	34.51 1.32 0.00	41.11 1.64 0.00	43.99 1.98 0.00	80.54 3.43 0.00	37.76 2.00 0.00	56.14 2.29 -14.46	255.23 2.07 -217.17	262.33 2.53 -218.92	151.19 2.69 -103.20	145.10 2.19 -106.02	130.65 2.11 -93.26	105.88 2.25 -65.36	91.77 1.92 -58.02	162.62 2.22 -120.40	122.63 1.97 -79.03	69.33 2.03 -21.39	48.16 2.25 -0.09	105.59 1.80 -67.87	131.73 1.97 -95.16	298.02 2.01 -262.80
BARRETT_IC_8 23711	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT_IC_9 23700	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	46.52 2.29 -4.84	67.01 2.06 -28.95	66.82 2.52 -23.41	76.23 2.69 -28.24	58.43 2.17 -19.37	57.19 2.10 -19.81	55.66 2.25 -15.14	49.01 1.91 -15.26	67.92 2.22 -25.70	65.41 1.98 -21.80	53.85 2.03 -5.91	48.08 2.24 -0.03	65.61 1.77 -27.93	114.15 1.89 -77.66	107.77 2.00 -72.57
BARRETT___1 23545	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	56.14 2.29 -14.46	255.22 2.06 -217.17	262.32 2.52 -218.92	151.19 2.69 -103.20	145.08 2.17 -106.02	130.64 2.10 -93.26	105.88 2.25 -65.36	91.77 1.91 -58.02	162.62 2.22 -120.40	122.63 1.98 -79.03	69.34 2.03 -21.39	48.15 2.24 -0.09	105.56 1.77 -67.87	131.65 1.89 -95.16	298.01 2.00 -262.80
BARRETT___2 23546	53.58 2.66 0.00	34.72 1.52 0.00	33.59 1.35 0.00	34.15 1.32 0.00	34.52 1.32 0.00	41.11 1.64 0.00	43.99 1.99 0.00	80.55 3.43 0.00	37.76 2.01 0.00	46.52 2.29 -4.84	67.01 2.06 -28.95	66.82 2.52 -23.41	76.23 2.69 -28.24	58.43 2.17 -19.37	57.19 2.10 -19.81	55.66 2.25 -15.14	49.01 1.91 -15.26	67.92 2.22 -25.70	65.41 1.98 -21.80	53.85 2.03 -5.91	48.08 2.24 -0.03	65.61 1.77 -27.93	114.15 1.89 -77.66	107.77 2.00 -72.57
BATAVIA__115KV_TB1 55881	48.65 -2.27 0.00	31.50 -1.70 0.00	30.69 -1.55 0.00	31.47 -1.36 0.00	31.88 -1.32 0.00	38.27 -1.20 0.00	40.81 -1.19 0.00	74.04 -3.08 0.00	33.90 -1.86 0.00	35.69 -2.69 1.01	33.04 -2.24 0.71	34.21 -2.81 3.86	33.48 -3.08 8.75	26.56 -2.74 7.59	30.23 -2.82 2.23	29.64 -3.17 5.47	26.93 -2.84 2.06	35.78 -3.52 0.70	38.19 -3.44 0.00	43.53 -2.38 0.00	43.70 -2.13 0.00	34.18 -1.72 0.00	33.07 -1.53 0.00	31.64 -1.57 0.00
BAYONEEC___CTG1 323682	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG10 323750	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG2 323683	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG3 323684	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG4 323685	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG5 323686	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG6 323687	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG7 323688	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00

BAYONEEC___CTG8 323689	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BAYONEEC___CTG9 323749	53.39 2.46 0.00	34.65 1.45 0.00	33.52 1.28 0.00	34.10 1.27 0.00	34.46 1.26 0.00	40.96 1.49 0.00	43.96 1.95 0.00	81.30 3.85 -0.32	42.56 2.07 -4.73	120.64 2.29 -78.97	52.64 2.12 -14.53	45.07 2.44 -1.75	51.37 2.60 -3.47	42.22 2.11 -3.22	42.19 2.03 -4.88	42.75 2.19 -2.28	36.26 1.85 -2.57	43.06 2.13 -0.93	45.43 2.02 -1.78	48.51 1.98 -0.63	51.29 2.38 -3.09	42.99 1.82 -5.26	41.72 1.91 -5.22	35.07 1.86 0.00
BEACON___LESR 323632	51.78 0.85 0.00	33.83 0.63 0.00	32.76 0.52 0.00	33.34 0.51 0.00	33.68 0.49 0.00	39.96 0.49 0.00	42.66 0.65 0.00	78.52 1.40 0.00	36.53 0.77 0.00	40.20 0.81 0.00	36.79 0.79 0.00	41.79 0.91 0.00	46.26 0.96 0.00	37.91 1.02 0.00	36.24 0.96 0.00	39.35 1.08 0.00	32.70 0.86 0.00	41.05 1.05 0.00	42.68 1.06 0.00	46.85 0.94 0.00	46.85 1.03 0.00	36.71 0.80 0.00	35.45 0.86 0.00	33.97 0.76 0.00
BEAVER RIVER___HYD 24048	50.54 -0.39 0.00	32.93 -0.27 0.00	32.01 -0.23 0.00	32.62 -0.21 0.00	33.01 -0.19 0.00	39.33 -0.14 0.00	41.99 -0.01 0.00	77.05 -0.06 0.00	35.70 -0.06 0.00	39.28 -0.11 0.00	35.89 -0.11 0.00	40.66 -0.22 0.00	44.97 -0.33 0.00	36.63 -0.27 0.00	34.99 -0.29 0.00	37.90 -0.38 0.00	31.48 -0.35 0.00	39.76 -0.24 0.00	41.49 -0.14 0.00	45.99 0.08 0.00	46.16 0.34 0.00	36.11 0.20 0.00	34.59 0.00 0.00	33.10 -0.11 0.00
BEEBEE_GT_13 23619	48.71 -2.22 0.00	31.65 -1.55 0.00	30.80 -1.44 0.00	31.49 -1.35 0.00	31.88 -1.31 0.00	38.13 -1.34 0.00	40.59 -1.42 0.00	73.99 -3.13 0.00	34.10 -1.65 0.00	36.75 -2.11 0.53	33.68 -1.79 0.53	38.50 -2.25 0.13	41.55 -2.49 1.27	34.67 -2.22 0.00	33.01 -2.27 0.00	35.77 -2.50 0.00	29.46 -2.16 0.22	36.84 -2.63 0.54	39.07 -2.56 0.00	43.91 -2.00 0.00	43.90 -1.93 0.00	34.31 -1.60 0.00	33.10 -1.49 0.00	31.72 -1.49 0.00
BENSHRST_27_KV_BENSHRST_1 355998	53.82 2.88 0.00	34.99 1.79 0.00	33.88 1.64 0.00	34.48 1.65 0.00	34.86 1.66 0.00	41.45 1.98 0.00	44.47 2.45 -0.01	84.89 4.56 -3.21	49.39 2.34 -11.29	74.04 2.61 -32.04	61.13 2.47 -22.67	58.70 2.75 -15.06	82.65 2.94 -34.41	61.17 2.41 -21.87	49.63 2.29 -12.06	61.14 2.48 -20.38	59.43 2.09 -25.51	51.62 2.42 -9.20	48.18 2.29 -4.26	54.34 2.27 -6.16	66.81 2.75 -18.24	49.91 2.19 -11.81	48.58 2.27 -11.72	35.45 2.23 -0.01
BETHLEHEM___GRP 23843	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.07 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.51 0.12 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.28 0.39 0.00	35.63 0.35 0.00	38.69 0.42 0.00	32.21 0.37 0.00	40.34 0.34 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.02 0.20 0.00	36.05 0.15 0.00	34.80 0.21 0.00	33.39 0.18 0.00
BETHLEHEM___GS1 323560	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.08 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.52 0.13 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.26 0.37 0.00	35.63 0.34 0.00	38.67 0.40 0.00	32.21 0.37 0.00	40.33 0.32 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.01 0.19 0.00	36.05 0.14 0.00	34.81 0.21 0.00	33.40 0.19 0.00
BETHLEHEM___GS2 323561	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.08 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.52 0.13 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.26 0.37 0.00	35.63 0.34 0.00	38.67 0.40 0.00	32.21 0.37 0.00	40.33 0.32 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.01 0.19 0.00	36.05 0.14 0.00	34.81 0.21 0.00	33.40 0.19 0.00
BETHLEHEM___GS3 323562	51.06 0.14 0.00	33.39 0.19 0.00	32.38 0.13 0.00	32.95 0.12 0.00	33.27 0.08 0.00	39.35 -0.12 0.00	41.92 -0.09 0.00	77.11 -0.01 0.00	35.87 0.11 0.00	39.52 0.13 0.00	36.13 0.13 0.00	41.00 0.12 0.00	45.44 0.14 0.00	37.26 0.37 0.00	35.63 0.34 0.00	38.67 0.40 0.00	32.21 0.37 0.00	40.33 0.32 0.00	41.85 0.23 0.00	45.96 0.05 0.00	46.01 0.19 0.00	36.05 0.14 0.00	34.81 0.21 0.00	33.40 0.19 0.00
BETHLEHEM___STEEL 23779	47.92 -3.00 0.00	31.07 -2.13 0.00	30.28 -1.97 0.00	31.02 -1.81 0.00	31.38 -1.81 0.00	37.61 -1.86 0.00	39.95 -2.05 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.74 -3.11 1.54	32.33 -2.70 0.97	30.22 -3.26 7.40	25.82 -3.67 15.81	18.95 -3.34 14.59	27.69 -3.31 4.28	24.19 -3.58 10.51	24.88 -3.17 3.79	35.19 -3.88 0.94	37.85 -3.77 0.00	42.95 -2.96 0.00	42.89 -2.93 0.00	33.48 -2.42 0.00	32.45 -2.14 0.00	31.08 -2.13 0.00
BETHLHEM_115KV_TB1 79974	51.21 0.28 0.00	33.47 0.27 0.00	32.45 0.21 0.00	33.02 0.19 0.00	33.34 0.15 0.00	39.46 -0.01 0.00	42.04 0.03 0.00	77.34 0.22 0.00	35.97 0.21 0.00	39.62 0.23 0.00	36.22 0.22 0.00	41.12 0.23 0.00	45.57 0.27 0.00	37.35 0.46 0.00	35.70 0.42 0.00	38.77 0.50 0.00	32.26 0.43 0.00	40.43 0.42 0.00	41.96 0.34 0.00	46.08 0.17 0.00	46.14 0.32 0.00	36.13 0.23 0.00	34.89 0.29 0.00	33.48 0.27 0.00
BETHPAGE_CC_5 323564	53.73 2.80 0.00	34.78 1.58 0.00	33.64 1.40 0.00	34.20 1.37 0.00	34.57 1.38 0.00	41.17 1.70 0.00	44.15 2.15 0.00	81.15 4.03 0.00	37.96 2.20 0.00	43.83 2.55 -1.89	64.11 2.47 -25.65	61.45 2.90 -17.67	52.05 3.02 -3.73	52.36 2.63 -12.84	48.89 2.57 -11.04	46.12 2.65 -5.20	38.82 2.16 -4.82	45.68 2.48 -3.20	45.76 2.22 -1.92	48.67 2.25 -0.52	48.23 2.41 0.00	39.50 1.85 -1.75	39.49 2.03 -2.86	41.71 2.13 -6.37
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	48.11 -2.81 0.00	31.19 -2.01 0.00	30.40 -1.84 0.00	31.14 -1.69 0.00	31.51 -1.68 0.00	37.76 -1.71 0.00	40.11 -1.89 0.00	72.74 -4.38 0.00	33.54 -2.22 0.00	34.93 -2.93 1.53	32.46 -2.56 0.99	30.81 -3.07 7.01	26.74 -3.46 15.10	19.93 -3.18 13.79	28.09 -3.15 4.04	24.92 -3.41 9.95	25.19 -3.04 3.61	35.34 -3.71 0.95	38.02 -3.60 0.00	43.14 -2.77 0.00	43.07 -2.75 0.00	33.62 -2.28 0.00	32.59 -2.01 0.00	31.19 -2.02 0.00
BINGHAMTON___COGEN 23790	50.60 -0.33 0.00	32.92 -0.28 0.00	32.00 -0.23 0.00	32.65 -0.18 0.00	33.01 -0.18 0.00	39.34 -0.12 0.00	41.85 -0.16 0.00	76.77 -0.35 0.00	35.61 -0.15 0.00	38.55 -0.22 0.62	35.16 -0.21 0.62	40.48 -0.27 0.14	43.61 -0.37 1.32	36.49 -0.40 0.00	34.88 -0.40 0.00	37.82 -0.45 0.00	31.28 -0.46 0.10	38.96 -0.60 0.44	41.05 -0.57 0.00	45.60 -0.31 0.00	45.63 -0.19 0.00	35.68 -0.23 0.00	34.45 -0.15 0.00	32.94 -0.27 0.00

BIXINCNT_115KV_LOAD 355685	49.04 -1.89 0.00	31.85 -1.35 0.00	31.03 -1.21 0.00	31.71 -1.12 0.00	32.11 -1.09 0.00	38.30 -1.17 0.00	40.66 -1.34 0.00	73.98 -3.14 0.00	34.25 -1.50 0.00	35.72 -2.21 1.46	32.85 -2.06 1.09	33.52 -2.51 4.85	31.23 -2.88 11.19	24.87 -2.67 9.35	29.89 -2.65 2.74	28.33 -3.04 6.91	26.41 -2.77 2.66	35.64 -3.32 1.05	38.61 -3.01 0.00	43.78 -2.12 0.00	43.81 -2.01 0.00	34.03 -1.88 0.00	32.99 -1.60 0.00	31.46 -1.75 0.00
BLACK RIVER___HYD 24047	50.58 -0.35 0.00	32.96 -0.24 0.00	32.06 -0.18 0.00	32.69 -0.14 0.00	33.10 -0.10 0.00	39.44 -0.03 0.00	42.14 0.13 0.00	77.34 0.22 0.00	35.83 0.07 0.00	39.38 -0.01 0.00	35.96 -0.04 0.00	40.70 -0.18 0.00	44.96 -0.34 0.00	36.64 -0.25 0.00	34.98 -0.30 0.00	37.92 -0.36 0.00	31.45 -0.38 0.00	39.74 -0.26 0.00	41.49 -0.14 0.00	46.10 0.19 0.00	46.44 0.62 0.00	36.25 0.34 0.00	34.70 0.11 0.00	33.18 -0.03 0.00
BLACKRVR_115KV_TB2 79977	50.58 -0.35 0.00	32.96 -0.24 0.00	32.05 -0.18 0.00	32.69 -0.14 0.00	33.10 -0.10 0.00	39.44 -0.03 0.00	42.14 0.13 0.00	77.34 0.22 0.00	35.83 0.07 0.00	39.38 -0.01 0.00	35.96 -0.04 0.00	40.70 -0.18 0.00	44.96 -0.34 0.00	36.64 -0.25 0.00	34.98 -0.30 0.00	37.92 -0.36 0.00	31.45 -0.38 0.00	39.74 -0.26 0.00	41.49 -0.14 0.00	46.10 0.19 0.00	46.43 0.61 0.00	36.25 0.34 0.00	34.70 0.11 0.00	33.18 -0.03 0.00
BLDWN_LI_69_KV_BK4 356085	53.89 2.96 0.00	34.89 1.69 0.00	33.76 1.52 0.00	34.30 1.48 0.00	34.68 1.49 0.00	41.32 1.85 0.00	44.28 2.28 0.00	81.21 4.09 0.00	38.03 2.27 0.00	47.23 2.61 -5.23	114.53 2.43 -76.10	112.98 2.82 -69.28	76.71 2.93 -28.48	76.91 2.58 -37.44	70.68 2.47 -32.92	61.60 2.57 -20.76	52.62 2.16 -18.62	75.00 2.53 -32.47	65.06 2.29 -21.14	54.00 2.37 -5.72	48.41 2.57 -0.02	56.31 2.02 -18.38	63.53 2.20 -26.74	105.71 2.21 -70.29
BLISS_WT_PWR 323608	49.06 -1.87 0.00	31.85 -1.35 0.00	31.04 -1.21 0.00	31.59 -1.24 0.00	32.06 -1.14 0.00	38.27 -1.19 0.00	40.64 -1.37 0.00	73.95 -3.17 0.00	34.25 -1.50 0.00	35.68 -2.26 1.46	32.79 -2.12 1.09	33.44 -2.60 4.85	31.17 -2.94 11.19	24.88 -2.66 9.35	29.85 -2.69 2.74	28.28 -3.09 6.91	26.36 -2.82 2.66	35.59 -3.36 1.05	38.59 -3.03 0.00	43.77 -2.14 0.00	43.79 -2.03 0.00	33.95 -1.96 0.00	32.94 -1.66 0.00	31.39 -1.82 0.00
BLUESTONE___WT_PWR 323821	52.91 1.98 0.00	34.34 1.14 0.00	33.22 0.98 0.00	34.07 1.25 0.00	34.50 1.30 0.00	41.18 1.71 0.00	43.89 1.88 0.00	80.61 3.49 0.00	39.31 3.56 0.00	44.54 3.92 -1.23	40.60 3.38 -1.23	44.65 3.38 -0.40	52.87 3.20 -4.37	37.78 0.88 0.00	35.84 0.56 0.00	38.90 0.62 0.00	32.35 0.28 -0.22	40.79 0.31 -0.47	42.11 0.49 0.00	46.42 0.51 0.00	46.42 0.60 0.00	36.43 0.52 0.00	34.93 0.33 0.00	33.03 -0.18 0.00
BLUE_CIRC_CHEM_DRP 24182	51.83 0.91 0.00	33.85 0.65 0.00	32.86 0.62 0.00	33.44 0.61 0.00	33.79 0.60 0.00	40.02 0.55 0.00	42.60 0.60 0.00	78.32 1.20 0.00	36.35 0.60 0.00	40.05 0.66 0.00	36.59 0.60 0.00	41.54 0.66 0.00	46.03 0.73 0.00	37.67 0.78 0.00	36.00 0.72 0.00	39.12 0.84 0.00	32.54 0.70 0.00	40.82 0.82 0.00	42.41 0.79 0.00	46.63 0.72 0.00	46.69 0.86 0.00	36.53 0.63 0.00	35.26 0.67 0.00	33.85 0.64 0.00
BOC_GAS_DRP 24189	51.54 0.61 0.00	33.63 0.42 0.00	32.63 0.39 0.00	33.21 0.38 0.00	33.55 0.35 0.00	39.75 0.29 0.00	42.34 0.34 0.00	77.85 0.73 0.00	36.17 0.41 0.00	39.88 0.48 0.00	36.43 0.43 0.00	41.39 0.51 0.00	45.86 0.56 0.00	37.49 0.59 0.00	35.84 0.56 0.00	38.92 0.65 0.00	32.38 0.54 0.00	40.60 0.60 0.00	42.17 0.54 0.00	46.35 0.44 0.00	46.43 0.60 0.00	36.33 0.43 0.00	35.10 0.50 0.00	33.69 0.48 0.00
BOONVILLE_115KV_TB1 79983	51.49 0.56 0.00	33.53 0.33 0.00	32.57 0.33 0.00	33.19 0.36 0.00	33.56 0.36 0.00	39.98 0.51 0.00	42.66 0.66 0.00	78.36 1.25 0.00	36.35 0.59 0.00	40.05 0.66 0.00	36.61 0.62 0.00	41.51 0.63 0.00	45.91 0.60 0.00	37.36 0.46 0.00	35.72 0.43 0.00	38.71 0.44 0.00	32.15 0.31 0.00	40.50 0.50 0.00	42.19 0.56 0.00	46.66 0.75 0.00	46.75 0.92 0.00	36.54 0.63 0.00	35.11 0.52 0.00	33.62 0.41 0.00
BORALEX_4TH_BRANCH 23824	52.71 1.79 0.00	34.35 1.15 0.00	33.21 0.97 0.00	33.78 0.95 0.00	34.13 0.94 0.00	40.43 0.97 0.00	42.85 0.84 0.00	78.85 1.73 0.00	36.40 0.64 0.00	40.26 0.87 0.00	36.68 0.68 0.00	41.85 0.97 0.00	46.43 1.13 0.00	38.11 1.22 0.00	36.50 1.22 0.00	39.81 1.53 0.00	33.03 1.19 0.00	41.41 1.41 0.00	43.03 1.41 0.00	47.14 1.23 0.00	47.29 1.47 0.00	36.92 1.01 0.00	35.70 1.10 0.00	34.18 0.97 0.00
BOWLINE___1 23526	52.89 1.97 0.00	34.33 1.12 0.00	33.24 1.00 0.00	33.84 1.01 0.00	34.20 1.00 0.00	40.64 1.17 0.00	43.56 1.56 0.00	80.25 3.14 0.00	37.40 1.65 0.00	41.24 1.85 0.00	37.69 1.69 0.00	42.82 1.94 0.00	47.37 2.07 0.00	38.57 1.68 0.00	36.88 1.60 0.00	40.03 1.76 0.00	33.30 1.47 0.00	41.72 1.72 0.00	43.26 1.63 0.00	47.54 1.63 0.00	47.82 2.00 0.00	37.41 1.51 0.00	36.19 1.60 0.00	34.72 1.51 0.00
BOWLINE___2 23595	52.89 1.97 0.00	34.33 1.12 0.00	33.24 1.00 0.00	33.84 1.01 0.00	34.20 1.00 0.00	40.64 1.17 0.00	43.56 1.56 0.00	80.25 3.14 0.00	37.40 1.65 0.00	41.24 1.85 0.00	37.69 1.69 0.00	42.82 1.94 0.00	47.37 2.07 0.00	38.57 1.68 0.00	36.89 1.60 0.00	40.03 1.76 0.00	33.30 1.47 0.00	41.72 1.72 0.00	43.26 1.63 0.00	47.54 1.63 0.00	47.82 2.00 0.00	37.41 1.51 0.00	36.20 1.61 0.00	34.72 1.51 0.00
BRADY___115KV_TB2 356060	51.80 0.87 0.00	33.73 0.53 0.00	32.79 0.54 0.00	33.36 0.52 0.00	33.76 0.57 0.00	40.31 0.84 0.00	43.01 1.00 0.00	78.84 1.73 0.00	36.40 0.64 0.00	39.93 0.54 0.00	36.47 0.48 0.00	41.43 0.54 0.00	45.98 0.68 0.00	37.46 0.57 0.00	35.86 0.58 0.00	38.76 0.48 0.00	32.39 0.55 0.00	40.91 0.90 0.00	42.73 1.11 0.00	47.18 1.28 0.00	46.85 1.03 0.00	36.94 1.03 0.00	35.38 0.78 0.00	33.91 0.70 0.00
BRANSCOMB___SOLAR 323811	52.67 1.74 0.00	34.32 1.12 0.00	33.26 1.01 0.00	33.85 1.02 0.00	34.21 1.01 0.00	40.61 1.14 0.00	43.35 1.34 0.00	79.76 2.65 0.00	36.95 1.20 0.00	40.87 1.47 0.00	37.25 1.25 0.00	42.43 1.55 0.00	47.05 1.75 0.00	38.48 1.58 0.00	36.81 1.53 0.00	40.04 1.76 0.00	33.27 1.43 0.00	41.80 1.80 0.00	43.45 1.83 0.00	47.72 1.80 0.00	47.77 1.95 0.00	37.24 1.34 0.00	35.93 1.34 0.00	34.38 1.18 0.00
BRDGHMPT_69_KV_BK1 55812	55.62 4.70 0.00	35.93 2.73 0.00	34.76 2.52 0.00	35.30 2.47 0.00	35.72 2.53 0.00	42.57 3.11 0.00	45.69 3.69 0.00	83.72 6.60 0.00	38.75 3.00 0.00	43.31 3.17 -0.75	47.09 2.70 -8.39	45.09 3.24 -0.97	45.12 3.40 3.58	44.71 3.39 -4.43	42.04 3.26 -3.50	41.58 3.15 -0.15	35.16 2.98 -0.34	38.02 3.56 5.54	40.57 2.70 3.76	47.36 2.47 1.01	48.38 2.56 0.00	34.54 1.89 3.26	32.17 2.27 4.69	23.44 2.74 12.50



BRENTWOD_69_KV_W. BRTWOOD 56703	54.43 3.50 0.00	35.20 2.00 0.00	34.05 1.81 0.00	34.58 1.75 0.00	34.97 1.78 0.00	41.68 2.22 0.00	44.79 2.78 0.00	82.29 5.18 0.00	38.42 2.66 0.00	43.29 3.04 -0.86	48.64 2.64 -10.01	46.45 3.04 -2.53	45.67 3.27 2.90	45.09 2.98 -5.22	42.47 2.94 -4.25	41.89 2.95 -0.66	35.06 2.43 -0.79	38.11 2.77 4.66	40.92 2.48 3.19	47.56 2.51 0.86	48.48 2.66 0.00	35.20 2.05 2.75	32.97 2.31 3.93	24.98 2.37 10.60
BRISTLHL_115KV_TB1 79998	49.45 -1.48 0.00	32.27 -0.93 0.00	31.35 -0.89 0.00	31.95 -0.88 0.00	32.32 -0.87 0.00	38.46 -1.01 0.00	40.88 -1.13 0.00	74.96 -2.16 0.00	34.75 -1.01 0.00	38.21 -1.18 0.00	34.96 -1.04 0.00	39.66 -1.22 0.00	43.88 -1.42 0.00	35.72 -1.17 0.00	34.13 -1.15 0.00	37.03 -1.25 0.00	30.80 -1.04 0.00	38.71 -1.30 0.00	40.29 -1.34 0.00	44.59 -1.32 0.00	44.57 -1.25 0.00	34.85 -1.05 0.00	33.59 -1.00 0.00	32.25 -0.96 0.00
BROOKHAVEN___DRP 24191	54.38 3.46 0.00	35.16 1.96 0.00	34.00 1.76 0.00	34.53 1.70 0.00	34.93 1.74 0.00	41.64 2.17 0.00	44.74 2.74 0.00	82.12 5.00 0.00	38.33 2.57 0.00	43.07 2.93 -0.75	46.92 2.58 -8.34	44.89 3.09 -0.92	44.85 3.15 3.60	44.25 2.95 -4.40	41.64 2.89 -3.47	41.27 2.85 -0.14	34.61 2.44 -0.33	37.26 2.82 5.57	40.25 2.40 3.78	47.20 2.32 1.02	48.25 2.44 0.00	34.55 1.92 3.27	32.11 2.22 4.71	23.02 2.36 12.56
BROOKLYN_NAVY_YARD 23515	53.28 2.35 0.00	34.53 1.34 0.01	30.64 1.18 2.78	33.99 1.17 0.01	34.34 1.16 0.01	40.82 1.36 0.01	43.83 1.83 0.00	80.79 3.67 0.00	37.72 1.96 0.00	41.56 2.17 0.00	39.31 2.02 -1.29	44.81 2.38 -1.56	47.85 2.52 -0.03	39.42 2.01 -0.51	37.64 1.95 -0.41	40.58 2.13 -0.18	33.73 1.79 -0.11	42.30 2.02 -0.27	43.54 1.92 0.00	47.77 1.86 0.00	48.11 2.29 0.00	37.69 1.79 0.00	36.47 1.88 0.00	35.04 1.84 0.00
BROOKLYN___ARMY_DRP 323595	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01
BROOME_2_LFGE 323671	50.59 -0.33 0.00	32.92 -0.28 0.00	32.01 -0.23 0.00	32.65 -0.18 0.00	33.00 -0.19 0.00	39.35 -0.12 0.00	41.85 -0.16 0.00	76.77 -0.35 0.00	35.61 -0.15 0.00	38.55 -0.22 0.62	35.16 -0.22 0.62	40.48 -0.26 0.14	43.60 -0.38 1.32	36.49 -0.41 0.00	34.88 -0.41 0.00	37.81 -0.46 0.00	31.28 -0.46 0.10	38.95 -0.61 0.44	41.05 -0.57 0.00	45.59 -0.32 0.00	45.63 -0.19 0.00	35.67 -0.23 0.00	34.45 -0.15 0.00	32.94 -0.27 0.00
BROOME___LFGE 323600	50.59 -0.33 0.00	32.92 -0.28 0.00	32.01 -0.23 0.00	32.65 -0.18 0.00	33.00 -0.19 0.00	39.35 -0.12 0.00	41.85 -0.16 0.00	76.77 -0.35 0.00	35.61 -0.15 0.00	38.55 -0.22 0.62	35.16 -0.22 0.62	40.48 -0.26 0.14	43.60 -0.38 1.32	36.49 -0.41 0.00	34.88 -0.41 0.00	37.81 -0.46 0.00	31.28 -0.46 0.10	38.95 -0.61 0.44	41.05 -0.57 0.00	45.59 -0.32 0.00	45.63 -0.19 0.00	35.67 -0.23 0.00	34.45 -0.15 0.00	32.94 -0.27 0.00
BROWNFLS_115KV_TB 3_5 80003	50.10 -0.83 0.00	32.64 -0.56 0.00	31.72 -0.51 0.00	32.30 -0.52 0.00	32.68 -0.51 0.00	38.98 -0.48 0.00	41.61 -0.40 0.00	76.35 -0.77 0.00	35.33 -0.42 0.00	38.85 -0.54 0.00	35.48 -0.52 0.00	40.26 -0.62 0.00	44.62 -0.68 0.00	36.39 -0.50 0.00	34.79 -0.49 0.00	37.60 -0.67 0.00	31.30 -0.53 0.00	39.54 -0.46 0.00	41.29 -0.34 0.00	45.63 -0.28 0.00	45.57 -0.25 0.00	35.79 -0.12 0.00	34.27 -0.32 0.00	32.82 -0.39 0.00
BROWNSV1_27_KV_LOAD 356125	53.84 2.92 0.00	34.92 1.72 0.00	33.80 1.56 0.00	34.36 1.53 0.00	34.73 1.54 0.00	41.29 1.83 0.00	44.34 2.34 0.00	81.72 4.60 0.00	38.17 2.41 0.00	42.07 2.67 0.00	38.48 2.49 0.00	43.73 2.84 0.00	48.36 3.06 0.00	39.39 2.49 0.00	37.66 2.37 0.00	40.84 2.57 0.00	34.00 2.16 0.00	42.51 2.51 0.00	44.04 2.42 0.00	48.35 2.43 0.00	48.67 2.84 0.00	38.07 2.16 0.00	36.82 2.23 0.00	35.37 2.16 0.00
BURROWS___LYONSDAL 23803	51.25 0.32 0.00	33.39 0.19 0.00	32.44 0.20 0.00	33.06 0.23 0.00	33.42 0.23 0.00	39.81 0.35 0.00	42.49 0.48 0.00	78.02 0.90 0.00	36.18 0.42 0.00	39.86 0.47 0.00	36.43 0.44 0.00	41.30 0.42 0.00	45.65 0.35 0.00	37.17 0.27 0.00	35.53 0.25 0.00	38.49 0.22 0.00	31.97 0.13 0.00	40.29 0.29 0.00	41.99 0.37 0.00	46.48 0.57 0.00	46.60 0.78 0.00	36.42 0.52 0.00	34.97 0.38 0.00	33.48 0.27 0.00
CAITHNESS_CC_1 323624	54.22 3.29 0.00	35.06 1.86 0.00	33.90 1.66 0.00	34.45 1.62 0.00	34.84 1.64 0.00	41.51 2.04 0.00	44.61 2.60 0.00	81.86 4.74 0.00	38.23 2.47 0.00	42.96 2.82 -0.75	46.79 2.49 -8.30	44.72 2.96 -0.88	44.71 3.03 3.61	44.07 2.79 -4.38	41.50 2.77 -3.46	41.14 2.74 -0.12	34.48 2.33 -0.32	37.11 2.70 5.59	40.13 2.30 3.79	47.09 2.21 1.02	48.14 2.32 0.00	34.44 1.82 3.28	31.95 2.09 4.73	22.88 2.28 12.60
CALPINE BETH_PAGE_GT4 24209	53.77 2.84 0.00	34.80 1.60 0.00	33.67 1.43 0.00	34.21 1.38 0.00	34.59 1.39 0.00	41.18 1.72 0.00	44.13 2.12 0.00	81.14 4.03 0.00	37.94 2.18 0.00	44.31 2.54 -2.38	71.52 2.43 -33.09	68.55 2.82 -24.85	55.07 2.93 -6.84	55.94 2.57 -16.47	52.11 2.50 -14.33	48.25 2.59 -7.39	40.66 2.06 -6.76	49.31 2.35 -6.97	48.06 2.08 -4.36	49.19 2.10 -1.18	48.11 2.28 -0.01	41.57 1.75 -3.91	42.71 1.96 -6.15	49.78 2.08 -14.49
CALPINE_BETH_PAGE_GT_4 323586	53.77 2.84 0.00	34.80 1.60 0.00	33.67 1.43 0.00	34.22 1.39 0.00	34.59 1.40 0.00	41.18 1.72 0.00	44.13 2.12 0.00	81.14 4.03 0.00	37.96 2.20 0.00	44.31 2.54 -2.38	71.52 2.43 -33.09	68.55 2.82 -24.85	55.07 2.93 -6.84	55.91 2.55 -16.47	52.11 2.49 -14.33	48.24 2.58 -7.39	40.66 2.06 -6.76	49.32 2.35 -6.97	48.07 2.09 -4.36	49.19 2.10 -1.18	48.09 2.27 -0.01	41.55 1.74 -3.91	42.66 1.91 -6.15	49.77 2.07 -14.49
CALPINE_BP_GT1 23823	53.77 2.84 0.00	34.80 1.60 0.00	33.67 1.43 0.00	34.22 1.39 0.00	34.59 1.40 0.00	41.18 1.72 0.00	44.13 2.12 0.00	81.14 4.03 0.00	37.96 2.20 0.00	44.31 2.54 -2.38	71.52 2.43 -33.09	68.55 2.82 -24.85	55.07 2.93 -6.84	55.91 2.55 -16.47	52.11 2.49 -14.33	48.24 2.58 -7.39	40.66 2.06 -6.76	49.32 2.35 -6.97	48.07 2.09 -4.36	49.19 2.10 -1.18	48.09 2.27 -0.01	41.55 1.74 -3.91	42.66 1.91 -6.15	49.77 2.07 -14.49
CALSPAN___DRP 24200	47.92 -3.00 0.00	31.07 -2.13 0.00	30.28 -1.97 0.00	31.02 -1.81 0.00	31.38 -1.81 0.00	37.61 -1.86 0.00	39.95 -2.05 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.74 -3.11 1.54	32.33 -2.70 0.97	30.22 -3.26 7.40	25.82 -3.67 15.81	18.95 -3.34 14.59	27.69 -3.31 4.28	24.19 -3.58 10.51	24.88 -3.17 3.79	35.19 -3.88 0.94	37.85 -3.77 0.00	42.95 -2.96 0.00	42.89 -2.93 0.00	33.48 -2.42 0.00	32.45 -2.14 0.00	31.08 -2.13 0.00

CALVERTON___SOLAR 323806	54.58 3.65 0.00	35.28 2.08 0.00	34.11 1.87 0.00	34.66 1.83 0.00	35.06 1.86 0.00	41.78 2.31 0.00	44.90 2.89 0.00	82.37 5.25 0.00	38.43 2.67 0.00	43.17 3.03 -0.75	47.03 2.67 -8.36	44.99 3.17 -0.94	44.97 3.26 3.59	44.33 3.03 -4.41	41.76 2.99 -3.48	41.38 2.96 -0.14	34.72 2.55 -0.34	37.42 2.98 5.56	40.37 2.51 3.77	47.30 2.41 1.02	48.35 2.53 0.00	34.60 1.96 3.27	32.11 2.23 4.71	23.09 2.43 12.54
CANDIGU_WT_PWR 323617	49.27 -1.66 0.00	31.98 -1.22 0.00	31.13 -1.11 0.00	31.79 -1.04 0.00	32.14 -1.06 0.00	38.41 -1.06 0.00	40.74 -1.27 0.00	74.32 -2.80 0.00	34.39 -1.37 0.00	32.61 -1.88 4.90	32.36 -1.85 1.79	-0.52 -2.25 39.15	-34.60 -2.67 77.23	-44.03 -2.28 78.64	10.07 -2.18 23.03	-20.91 -2.38 56.81	10.52 -2.11 19.21	35.75 -2.56 1.70	39.26 -2.37 0.00	44.12 -1.79 0.00	44.23 -1.59 0.00	34.36 -1.54 0.00	33.19 -1.40 0.00	31.60 -1.61 0.00
CARR STREET_E_SYR 24060	49.99 -0.94 0.00	32.61 -0.59 0.00	31.68 -0.56 0.00	32.28 -0.55 0.00	32.65 -0.55 0.00	38.88 -0.59 0.00	41.34 -0.66 0.00	75.82 -1.30 0.00	35.17 -0.59 0.00	38.69 -0.70 0.00	35.38 -0.62 0.00	40.13 -0.76 0.00	44.41 -0.89 0.00	36.12 -0.77 0.00	34.52 -0.76 0.00	37.44 -0.83 0.00	31.11 -0.73 0.00	39.10 -0.91 0.00	40.70 -0.92 0.00	45.06 -0.85 0.00	45.05 -0.77 0.00	35.22 -0.68 0.00	33.96 -0.63 0.00	32.58 -0.63 0.00
CARTHAGE___PAPER 23857	50.93 0.00 0.00	33.19 -0.01 0.00	32.27 0.03 0.00	32.89 0.06 0.00	33.30 0.10 0.00	39.70 0.23 0.00	42.41 0.40 0.00	77.86 0.74 0.00	36.05 0.29 0.00	39.63 0.24 0.00	36.20 0.20 0.00	40.99 0.11 0.00	45.30 0.00 0.00	36.91 0.01 0.00	35.25 -0.03 0.00	38.21 -0.07 0.00	31.72 -0.11 0.00	40.08 0.08 0.00	41.85 0.22 0.00	46.45 0.54 0.00	46.68 0.86 0.00	36.48 0.57 0.00	34.92 0.33 0.00	33.40 0.19 0.00
CASSADAGA_WT_PWR 323784	48.75 -2.17 0.00	31.91 -1.29 0.00	31.12 -1.12 0.00	31.59 -1.24 0.00	31.86 -1.34 0.00	38.06 -1.41 0.00	40.51 -1.50 0.00	73.88 -3.24 0.00	34.32 -1.44 0.00	35.68 -2.19 1.52	32.81 -2.14 1.05	32.29 -2.51 6.08	28.88 -2.97 13.45	22.01 -3.00 11.88	28.74 -3.06 3.48	27.46 -3.06 7.75	26.16 -2.75 2.93	35.68 -3.29 1.04	38.69 -2.93 0.00	44.07 -1.84 0.00	44.05 -1.78 0.00	34.10 -1.80 0.00	33.01 -1.59 0.00	31.39 -1.82 0.00
CE_DUNWOOD___DRP 24194	53.20 2.27 0.00	34.53 1.33 0.00	33.43 1.20 0.00	34.00 1.18 0.00	34.37 1.18 0.00	40.86 1.39 0.00	43.80 1.80 0.00	80.69 3.58 0.00	37.64 1.88 0.00	41.50 2.11 0.00	37.94 1.94 0.00	43.10 2.22 0.00	47.67 2.37 0.00	38.85 1.96 0.00	37.15 1.87 0.00	40.30 2.02 0.00	33.52 1.69 0.00	41.96 1.95 0.00	43.50 1.87 0.00	47.77 1.86 0.00	48.03 2.21 0.00	37.55 1.65 0.00	36.34 1.74 0.00	34.90 1.69 0.00
CE_MILLWOOD___DRP 24193	53.06 2.13 0.00	34.44 1.24 0.00	33.35 1.11 0.00	33.93 1.10 0.00	34.30 1.10 0.00	40.76 1.29 0.00	43.69 1.69 0.00	80.49 3.37 0.00	37.52 1.77 0.00	41.38 1.99 0.00	37.83 1.83 0.00	42.97 2.09 0.00	47.53 2.23 0.00	38.73 1.84 0.00	37.03 1.75 0.00	40.18 1.91 0.00	33.43 1.59 0.00	41.85 1.85 0.00	43.38 1.76 0.00	47.67 1.76 0.00	47.93 2.11 0.00	37.50 1.59 0.00	36.28 1.69 0.00	34.83 1.62 0.00
CE_NYC2_DRP 24202	53.48 2.55 0.00	34.74 1.53 0.00	33.62 1.38 0.00	34.18 1.35 0.00	34.56 1.36 0.00	41.07 1.60 0.00	44.07 2.07 0.00	81.15 4.03 0.00	37.89 2.14 0.00	41.75 2.36 0.00	38.21 2.21 0.00	43.39 2.51 0.00	47.98 2.68 0.00	39.11 2.22 0.00	37.39 2.11 0.00	40.54 2.27 0.00	33.74 1.91 0.00	42.18 2.18 0.00	43.68 2.06 0.00	47.91 2.00 0.00	48.25 2.42 0.00	37.78 1.87 0.00	36.55 1.96 0.00	35.15 1.95 0.00
CE_NYC_DRP 24195	53.52 2.60 0.00	34.72 1.52 0.00	33.60 1.36 0.00	34.17 1.34 0.00	34.54 1.35 0.00	41.06 1.59 0.00	44.08 2.07 0.00	81.21 4.10 0.00	38.86 2.17 -0.93	61.47 2.40 -19.68	41.40 2.23 -3.18	43.50 2.55 -0.06	48.03 2.73 0.00	39.39 2.24 -0.26	38.37 2.14 -0.95	40.64 2.31 -0.06	33.78 1.94 0.00	42.24 2.23 0.00	44.10 2.12 -0.35	48.00 2.09 0.00	48.65 2.50 -0.33	38.86 1.90 -1.06	37.63 1.98 -1.05	35.15 1.94 0.00
CHAFFEE___LFGE 323603	48.22 -2.70 0.00	31.24 -1.96 0.00	30.45 -1.79 0.00	31.10 -1.73 0.00	31.54 -1.65 0.00	37.86 -1.61 0.00	40.25 -1.76 0.00	72.95 -4.17 0.00	33.60 -2.16 0.00	35.01 -2.88 1.50	32.49 -2.48 1.03	31.79 -2.99 6.11	28.47 -3.36 13.48	21.92 -3.03 11.95	28.71 -3.07 3.50	26.30 -3.28 8.69	25.66 -2.96 3.22	35.39 -3.63 0.99	38.11 -3.52 0.00	43.26 -2.65 0.00	43.20 -2.62 0.00	33.73 -2.18 0.00	32.69 -1.90 0.00	31.27 -1.94 0.00
CHATEAUG_35_KV_LOAD 355732	51.60 0.68 0.00	33.61 0.41 0.00	32.64 0.39 0.00	33.19 0.36 0.00	33.61 0.41 0.00	40.08 0.61 0.00	42.74 0.73 0.00	78.40 1.28 0.00	36.26 0.50 0.00	39.86 0.47 0.00	36.37 0.37 0.00	41.40 0.52 0.00	45.98 0.68 0.00	37.41 0.52 0.00	35.80 0.51 0.00	38.75 0.48 0.00	32.35 0.51 0.00	40.75 0.75 0.00	42.56 0.93 0.00	47.10 1.19 0.00	46.78 0.96 0.00	36.68 0.77 0.00	35.16 0.56 0.00	33.73 0.52 0.00
CHATEAUG_WT_PWR 323614	51.49 0.57 0.00	33.56 0.35 0.00	32.59 0.34 0.00	33.15 0.32 0.00	33.55 0.35 0.00	40.00 0.53 0.00	42.61 0.61 0.00	78.20 1.08 0.00	36.20 0.44 0.00	39.81 0.42 0.00	36.33 0.33 0.00	41.37 0.49 0.00	45.96 0.66 0.00	37.40 0.50 0.00	35.79 0.52 0.00	38.76 0.48 0.00	32.31 0.47 0.00	40.70 0.69 0.00	42.46 0.84 0.00	46.95 1.05 0.00	46.66 0.84 0.00	36.58 0.67 0.00	35.09 0.49 0.00	33.66 0.45 0.00
CHAT_HIGH_FALL_HYD 323578	51.60 0.68 0.00	33.61 0.41 0.00	32.64 0.39 0.00	33.19 0.36 0.00	33.61 0.41 0.00	40.08 0.61 0.00	42.74 0.73 0.00	78.40 1.28 0.00	36.26 0.50 0.00	39.86 0.47 0.00	36.37 0.37 0.00	41.40 0.52 0.00	45.98 0.68 0.00	37.41 0.52 0.00	35.80 0.51 0.00	38.75 0.48 0.00	32.35 0.51 0.00	40.75 0.75 0.00	42.56 0.93 0.00	47.10 1.19 0.00	46.78 0.96 0.00	36.68 0.77 0.00	35.16 0.56 0.00	33.73 0.52 0.00
CHAUTAUQUA___LFGE 323629	48.49 -2.43 0.00	31.58 -1.62 0.00	30.77 -1.47 0.00	31.37 -1.46 0.00	31.69 -1.51 0.00	37.95 -1.52 0.00	40.33 -1.68 0.00	73.36 -3.76 0.00	33.90 -1.85 0.00	35.30 -2.55 1.55	32.63 -2.36 1.01	31.18 -2.78 6.92	27.06 -3.26 14.98	20.18 -3.11 13.60	28.19 -3.11 3.98	25.59 -3.26 9.43	25.47 -2.91 3.45	35.45 -3.56 0.99	38.32 -3.31 0.00	43.56 -2.35 0.00	43.55 -2.28 0.00	33.86 -2.05 0.00	32.87 -1.72 0.00	31.31 -1.90 0.00
CHERRYST_13_KV_LD 356241	53.65 2.72 0.00	34.81 1.61 0.00	33.69 1.45 0.00	34.25 1.42 0.00	34.62 1.43 0.00	41.18 1.71 0.00	44.20 2.20 0.00	81.45 4.33 0.00	38.05 2.29 0.00	41.94 2.55 0.00	38.36 2.36 0.00	43.59 2.71 0.00	48.20 2.90 0.00	39.27 2.37 0.00	37.55 2.27 0.00	40.72 2.45 0.00	33.89 2.06 0.00	42.38 2.37 0.00	43.88 2.26 0.00	48.14 2.23 0.00	48.45 2.63 0.00	37.91 2.00 0.00	36.68 2.08 0.00	35.23 2.03 0.00

CHESTROR_138KV_BK263 355645	52.74 1.82 0.00	34.25 1.05 0.00	33.18 0.94 0.00	33.77 0.94 0.00	34.13 0.94 0.00	40.58 1.11 0.00	43.44 1.44 0.00	79.99 2.87 0.00	37.27 1.51 0.00	41.09 1.69 0.00	37.57 1.57 0.00	42.68 1.80 0.00	47.23 1.93 0.00	38.46 1.57 0.00	36.76 1.48 0.00	39.89 1.61 0.00	33.19 1.36 0.00	41.58 1.58 0.00	43.14 1.52 0.00	47.45 1.54 0.00	47.69 1.87 0.00	37.30 1.39 0.00	36.07 1.47 0.00	34.60 1.39 0.00
CH_MIDHUDSON___DRP 24192	53.07 2.15 0.00	34.48 1.28 0.00	33.41 1.17 0.00	33.98 1.16 0.00	34.35 1.16 0.00	40.83 1.36 0.00	43.71 1.71 0.00	80.53 3.41 0.00	37.54 1.78 0.00	41.41 2.01 0.00	37.86 1.87 0.00	43.01 2.13 0.00	47.60 2.30 0.00	38.79 1.90 0.00	37.08 1.80 0.00	40.24 1.97 0.00	33.48 1.64 0.00	41.94 1.93 0.00	43.49 1.87 0.00	47.81 1.90 0.00	48.02 2.20 0.00	37.56 1.65 0.00	36.31 1.72 0.00	34.84 1.64 0.00
CH_MISC_IPPS 23765	53.32 2.39 0.00	34.62 1.42 0.00	33.54 1.30 0.00	34.14 1.30 0.00	34.49 1.30 0.00	41.00 1.54 0.00	43.93 1.92 0.00	80.96 3.85 0.00	37.76 2.00 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.25 2.37 0.00	47.85 2.55 0.00	38.98 2.08 0.00	37.27 1.98 0.00	40.45 2.18 0.00	33.66 1.82 0.00	42.16 2.16 0.00	43.73 2.10 0.00	48.08 2.17 0.00	48.30 2.48 0.00	37.77 1.86 0.00	36.50 1.91 0.00	35.00 1.80 0.00
CH_RES_BVR_FALLS 23983	50.92 -0.01 0.00	33.19 -0.01 0.00	32.25 0.01 0.00	32.83 0.00 0.00	33.19 0.00 0.00	39.54 0.07 0.00	42.06 0.06 0.00	77.13 0.01 0.00	35.68 -0.07 0.00	39.28 -0.11 0.00	35.89 -0.11 0.00	40.80 -0.08 0.00	45.28 -0.02 0.00	36.86 -0.04 0.00	35.25 -0.03 0.00	38.19 -0.09 0.00	31.79 -0.04 0.00	40.05 0.05 0.00	41.73 0.11 0.00	46.13 0.23 0.00	45.91 0.09 0.00	36.04 0.13 0.00	34.64 0.04 0.00	33.25 0.04 0.00
CH_RES_NIAGARA 23895	46.50 -4.43 0.00	30.12 -3.08 0.00	29.38 -2.86 0.00	30.12 -2.71 0.00	30.50 -2.69 0.00	36.56 -2.91 0.00	38.85 -3.16 0.00	70.11 -7.01 0.00	32.10 -3.65 0.00	33.59 -4.53 1.28	31.25 -3.92 0.83	30.58 -4.54 5.76	27.79 -5.03 12.48	21.09 -4.44 11.36	27.50 -4.46 3.33	25.35 -4.75 8.17	24.68 -4.18 2.98	33.99 -5.21 0.81	36.43 -5.19 0.00	41.42 -4.49 0.00	41.31 -4.51 0.00	32.28 -3.63 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
CH_RES_SYRACUSE 23985	50.17 -0.75 0.00	32.74 -0.46 0.00	31.78 -0.45 0.00	32.38 -0.45 0.00	32.78 -0.42 0.00	39.02 -0.45 0.00	41.50 -0.50 0.00	76.11 -1.01 0.00	35.30 -0.45 0.00	38.83 -0.56 0.00	35.50 -0.49 0.00	40.24 -0.64 0.00	44.56 -0.74 0.00	36.26 -0.63 0.00	34.64 -0.63 0.00	37.59 -0.69 0.00	31.23 -0.60 0.00	39.27 -0.73 0.00	40.90 -0.72 0.00	45.23 -0.68 0.00	45.23 -0.59 0.00	35.36 -0.54 0.00	34.07 -0.52 0.00	32.70 -0.51 0.00
CLINTON_WT_PWR 323605	51.49 0.57 0.00	33.56 0.35 0.00	32.59 0.34 0.00	33.15 0.32 0.00	33.55 0.35 0.00	40.00 0.53 0.00	42.61 0.61 0.00	78.20 1.08 0.00	36.20 0.44 0.00	39.81 0.42 0.00	36.33 0.33 0.00	41.37 0.49 0.00	45.96 0.66 0.00	37.40 0.50 0.00	35.79 0.52 0.00	38.76 0.48 0.00	32.31 0.47 0.00	40.70 0.69 0.00	42.46 0.84 0.00	46.95 1.05 0.00	46.66 0.84 0.00	36.58 0.67 0.00	35.09 0.49 0.00	33.66 0.45 0.00
CLINTON___LFGE 323618	52.60 1.67 0.00	34.28 1.08 0.00	33.22 0.98 0.00	33.81 0.98 0.00	34.24 1.05 0.00	40.85 1.38 0.00	43.59 1.58 0.00	80.00 2.88 0.00	36.87 1.11 0.00	40.31 0.92 0.00	36.76 0.76 0.00	41.90 1.02 0.00	46.51 1.21 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.23 0.95 0.00	32.70 0.87 0.00	41.16 1.15 0.00	42.96 1.33 0.00	47.53 1.63 0.00	47.29 1.47 0.00	36.99 1.09 0.00	35.44 0.85 0.00	33.99 0.78 0.00
COBBLENY_34_KV_TB1 80064	48.22 -2.71 0.00	31.25 -1.95 0.00	30.46 -1.78 0.00	31.19 -1.64 0.00	31.58 -1.62 0.00	37.85 -1.62 0.00	40.25 -1.76 0.00	72.96 -4.16 0.00	33.61 -2.15 0.00	35.04 -2.85 1.50	32.49 -2.48 1.03	31.79 -2.99 6.11	28.45 -3.38 13.48	21.83 -3.11 11.95	28.70 -3.08 3.50	26.26 -3.33 8.69	25.64 -2.98 3.22	35.39 -3.62 0.99	38.13 -3.49 0.00	43.27 -2.64 0.00	43.19 -2.64 0.00	33.73 -2.17 0.00	32.69 -1.90 0.00	31.27 -1.94 0.00
COFFEEN___115KV_TB3 355620	50.73 -0.20 0.00	33.05 -0.15 0.00	32.14 -0.10 0.00	32.78 -0.05 0.00	33.20 0.01 0.00	39.57 0.10 0.00	42.30 0.30 0.00	77.66 0.54 0.00	35.98 0.22 0.00	39.53 0.14 0.00	36.08 0.08 0.00	40.84 -0.04 0.00	45.12 -0.18 0.00	36.75 -0.15 0.00	35.10 -0.18 0.00	38.03 -0.24 0.00	31.56 -0.27 0.00	39.89 -0.12 0.00	41.66 0.03 0.00	46.32 0.42 0.00	46.67 0.84 0.00	36.42 0.51 0.00	34.84 0.25 0.00	33.30 0.09 0.00
COLDSPRG_115KV_BK1 355956	49.67 -1.26 0.00	32.38 -0.82 0.00	31.57 -0.67 0.00	32.25 -0.58 0.00	32.56 -0.63 0.00	38.89 -0.57 0.00	41.37 -0.64 0.00	75.49 -1.62 0.00	34.99 -0.76 0.00	36.63 -1.32 1.45	33.64 -1.23 1.13	35.21 -1.47 4.21	33.46 -1.79 10.04	26.92 -1.94 8.03	30.91 -2.02 2.35	31.00 -2.17 5.11	27.63 -2.12 2.10	36.32 -2.58 1.11	39.32 -2.31 0.00	44.64 -1.26 0.00	44.71 -1.11 0.00	34.83 -1.08 0.00	33.72 -0.87 0.00	32.10 -1.11 0.00
COLONIE_LFGE___ 323577	52.11 1.18 0.00	33.98 0.78 0.00	32.92 0.68 0.00	33.52 0.69 0.00	33.85 0.65 0.00	40.09 0.63 0.00	42.70 0.69 0.00	78.56 1.44 0.00	36.40 0.64 0.00	40.21 0.82 0.00	36.68 0.68 0.00	41.77 0.89 0.00	46.29 0.99 0.00	37.90 1.01 0.00	36.26 0.98 0.00	39.45 1.18 0.00	32.79 0.95 0.00	41.15 1.15 0.00	42.74 1.12 0.00	46.93 1.02 0.00	47.01 1.19 0.00	36.72 0.82 0.00	35.46 0.86 0.00	33.98 0.77 0.00
COOPERNY_115KV_TB1 80082	52.25 1.32 0.00	33.96 0.77 0.00	32.94 0.70 0.00	33.53 0.70 0.00	33.90 0.71 0.00	40.31 0.84 0.00	43.08 1.07 0.00	79.27 2.15 0.00	36.88 1.12 0.00	40.65 1.26 0.00	37.15 1.15 0.00	42.20 1.31 0.00	46.69 1.39 0.00	38.03 1.14 0.00	36.36 1.07 0.00	39.45 1.17 0.00	32.81 0.97 0.00	41.14 1.13 0.00	42.72 1.09 0.00	47.04 1.13 0.00	47.22 1.39 0.00	36.94 1.03 0.00	35.69 1.09 0.00	34.24 1.03 0.00
COPENHAGEN_WT_PWR 323753	50.38 -0.55 0.00	32.84 -0.36 0.00	31.95 -0.29 0.00	32.58 -0.25 0.00	32.98 -0.21 0.00	39.25 -0.21 0.00	41.90 -0.11 0.00	76.89 -0.23 0.00	35.62 -0.13 0.00	39.18 -0.22 0.00	35.79 -0.21 0.00	40.50 -0.38 0.00	44.73 -0.57 0.00	36.44 -0.46 0.00	34.78 -0.51 0.00	37.69 -0.58 0.00	31.26 -0.57 0.00	39.49 -0.51 0.00	41.22 -0.40 0.00	45.79 -0.11 0.00	46.16 0.34 0.00	36.05 0.14 0.00	34.54 -0.06 0.00	33.04 -0.17 0.00
CORNELL_____ 23752	51.41 0.49 0.00	33.47 0.27 0.00	32.50 0.26 0.00	33.14 0.31 0.00	33.54 0.34 0.00	39.99 0.52 0.00	42.63 0.63 0.00	78.29 1.18 0.00	36.45 0.69 0.00	44.51 0.70 -4.42	40.83 0.59 -4.23	44.78 0.54 -3.36	60.39 0.48 -14.61	42.19 0.23 -5.06	36.98 0.21 -1.48	42.18 0.25 -3.66	34.94 0.17 -2.94	44.51 0.23 -4.27	41.94 0.32 0.00	46.53 0.62 0.00	46.53 0.70 0.00	36.33 0.43 0.00	34.97 0.38 0.00	33.42 0.21 0.00

CORONA V_69_KV_TB1 355595	53.95 3.02 0.00	34.94 1.74 0.00	33.80 1.56 0.00	34.35 1.51 0.00	34.74 1.54 0.00	41.37 1.91 0.00	44.33 2.33 0.00	81.40 4.28 0.00	38.11 2.35 0.00	52.40 2.70 -10.31	191.54 2.48 -153.06	189.02 2.96 -145.19	111.43 3.08 -63.06	114.02 2.55 -74.58	103.53 2.48 -65.77	84.23 2.65 -43.30	72.67 2.24 -38.59	115.74 2.62 -73.12	91.68 2.42 -47.64	61.33 2.53 -12.90	48.61 2.73 -0.06	78.93 2.15 -40.87	94.02 2.30 -57.13	193.86 2.24 -158.41
CORTLAND_115KV_TB3 80093	50.99 0.06 0.00	33.21 0.01 0.00	32.26 0.02 0.00	32.90 0.07 0.00	33.26 0.07 0.00	39.65 0.18 0.00	42.23 0.22 0.00	77.51 0.39 0.00	36.00 0.24 0.00	40.75 0.22 -1.14	37.33 0.19 -1.14	41.32 0.16 -0.28	48.02 0.06 -2.66	36.86 -0.03 0.00	35.24 -0.04 0.00	38.23 -0.04 0.00	32.23 -0.07 -0.47	41.07 -0.09 -1.16	41.58 -0.05 0.00	46.08 0.17 0.00	46.07 0.24 0.00	36.00 0.09 0.00	34.69 0.10 0.00	33.21 0.00 0.00
COXSACKIE__GT 23611	52.97 2.05 0.00	34.57 1.37 0.00	33.50 1.26 0.00	34.14 1.31 0.00	34.51 1.32 0.00	40.94 1.47 0.00	43.75 1.74 0.00	80.71 3.60 0.00	37.64 1.89 0.00	41.49 2.10 0.00	37.90 1.90 0.00	42.98 2.10 0.00	47.70 2.41 0.00	39.09 2.20 0.00	37.22 1.94 0.00	40.48 2.20 0.00	33.65 1.82 0.00	42.21 2.21 0.00	43.97 2.35 0.00	48.40 2.50 0.00	48.42 2.60 0.00	37.79 1.88 0.00	36.36 1.77 0.00	34.79 1.58 0.00
CPV_VALLEY__CC1 323721	52.55 1.63 0.00	34.14 0.94 0.00	33.08 0.84 0.00	33.68 0.85 0.00	34.04 0.85 0.00	40.46 0.99 0.00	43.30 1.29 0.00	79.70 2.59 0.00	37.12 1.36 0.00	40.92 1.53 0.00	37.40 1.40 0.00	42.49 1.61 0.00	47.00 1.70 0.00	38.28 1.39 0.00	36.60 1.32 0.00	39.72 1.45 0.00	33.04 1.20 0.00	41.41 1.41 0.00	42.97 1.35 0.00	47.27 1.36 0.00	47.48 1.66 0.00	37.16 1.25 0.00	35.92 1.33 0.00	34.46 1.25 0.00
CPV_VALLEY__CC2 323722	52.55 1.63 0.00	34.14 0.94 0.00	33.08 0.84 0.00	33.68 0.85 0.00	34.04 0.85 0.00	40.46 0.99 0.00	43.30 1.29 0.00	79.70 2.59 0.00	37.12 1.36 0.00	40.92 1.53 0.00	37.40 1.40 0.00	42.49 1.61 0.00	47.00 1.70 0.00	38.28 1.39 0.00	36.60 1.32 0.00	39.72 1.45 0.00	33.04 1.20 0.00	41.41 1.41 0.00	42.97 1.35 0.00	47.27 1.36 0.00	47.48 1.66 0.00	37.16 1.25 0.00	35.92 1.33 0.00	34.46 1.25 0.00
CRESCENT__HYD 24018	52.11 1.18 0.00	33.98 0.78 0.00	32.92 0.68 0.00	33.52 0.69 0.00	33.85 0.65 0.00	40.09 0.63 0.00	42.70 0.69 0.00	78.56 1.44 0.00	36.40 0.64 0.00	40.21 0.82 0.00	36.68 0.68 0.00	41.77 0.89 0.00	46.29 0.99 0.00	37.90 1.01 0.00	36.26 0.98 0.00	39.45 1.18 0.00	32.79 0.95 0.00	41.15 1.15 0.00	42.74 1.12 0.00	46.93 1.02 0.00	47.01 1.19 0.00	36.72 0.82 0.00	35.46 0.86 0.00	33.98 0.77 0.00
CRICKET__VALLEY_CC1 323756	52.82 1.89 0.00	34.32 1.12 0.00	33.25 1.02 0.00	33.84 1.02 0.00	34.20 1.01 0.00	40.62 1.15 0.00	43.48 1.48 0.00	80.07 2.95 0.00	37.33 1.57 0.00	41.15 1.76 0.00	37.62 1.62 0.00	42.74 1.86 0.00	47.28 1.98 0.00	38.53 1.64 0.00	36.85 1.57 0.00	40.00 1.72 0.00	33.28 1.44 0.00	41.67 1.67 0.00	43.21 1.59 0.00	47.48 1.57 0.00	47.70 1.88 0.00	37.32 1.41 0.00	36.10 1.50 0.00	34.66 1.45 0.00
CRICKET__VALLEY_CC2 323757	52.82 1.89 0.00	34.32 1.12 0.00	33.25 1.02 0.00	33.84 1.02 0.00	34.20 1.01 0.00	40.62 1.15 0.00	43.48 1.48 0.00	80.07 2.95 0.00	37.33 1.57 0.00	41.15 1.76 0.00	37.62 1.62 0.00	42.74 1.86 0.00	47.28 1.98 0.00	38.53 1.64 0.00	36.85 1.57 0.00	40.00 1.72 0.00	33.28 1.44 0.00	41.67 1.67 0.00	43.21 1.59 0.00	47.48 1.57 0.00	47.70 1.88 0.00	37.32 1.41 0.00	36.10 1.50 0.00	34.66 1.45 0.00
CRICKET__VALLEY_CC3 323758	52.82 1.89 0.00	34.32 1.12 0.00	33.25 1.02 0.00	33.84 1.02 0.00	34.20 1.01 0.00	40.62 1.15 0.00	43.48 1.48 0.00	80.07 2.95 0.00	37.33 1.57 0.00	41.15 1.76 0.00	37.62 1.62 0.00	42.74 1.86 0.00	47.28 1.98 0.00	38.53 1.64 0.00	36.85 1.57 0.00	40.00 1.72 0.00	33.28 1.44 0.00	41.67 1.67 0.00	43.21 1.59 0.00	47.48 1.57 0.00	47.70 1.88 0.00	37.32 1.41 0.00	36.10 1.50 0.00	34.66 1.45 0.00
CRUCIBLE_METL_DRP 24180	50.18 -0.75 0.00	32.74 -0.46 0.00	31.78 -0.45 0.00	32.38 -0.45 0.00	32.78 -0.41 0.00	39.01 -0.45 0.00	41.50 -0.50 0.00	76.11 -1.01 0.00	35.31 -0.45 0.00	38.83 -0.56 0.00	35.50 -0.49 0.00	40.24 -0.64 0.00	44.55 -0.75 0.00	36.26 -0.64 0.00	34.65 -0.63 0.00	37.59 -0.69 0.00	31.23 -0.60 0.00	39.28 -0.73 0.00	40.90 -0.72 0.00	45.23 -0.68 0.00	45.23 -0.60 0.00	35.36 -0.54 0.00	34.07 -0.52 0.00	32.70 -0.51 0.00
DAHOWA__HYDRO 323763	52.79 1.87 0.00	34.39 1.19 0.00	33.33 1.08 0.00	33.92 1.09 0.00	34.30 1.11 0.00	40.72 1.26 0.00	43.50 1.50 0.00	80.07 2.95 0.00	37.08 1.32 0.00	41.04 1.65 0.00	37.41 1.41 0.00	42.62 1.74 0.00	47.26 1.96 0.00	38.65 1.76 0.00	36.97 1.68 0.00	40.22 1.95 0.00	33.41 1.58 0.00	42.01 2.00 0.00	43.67 2.04 0.00	47.94 2.03 0.00	47.98 2.16 0.00	37.38 1.47 0.00	36.06 1.46 0.00	34.48 1.27 0.00
DANC__LFGE 323619	49.93 -1.00 0.00	32.55 -0.65 0.00	31.66 -0.58 0.00	32.27 -0.56 0.00	32.66 -0.53 0.00	38.88 -0.58 0.00	41.44 -0.57 0.00	76.05 -1.07 0.00	35.23 -0.52 0.00	38.73 -0.66 0.00	35.41 -0.59 0.00	40.11 -0.78 0.00	44.33 -0.97 0.00	36.10 -0.80 0.00	34.47 -0.81 0.00	37.37 -0.90 0.00	31.03 -0.81 0.00	39.12 -0.89 0.00	40.79 -0.83 0.00	45.26 -0.65 0.00	45.49 -0.33 0.00	35.54 -0.37 0.00	34.11 -0.49 0.00	32.68 -0.53 0.00
DANSKAMMER__1 23586	53.32 2.39 0.00	34.62 1.42 0.00	33.54 1.30 0.00	34.14 1.30 0.00	34.49 1.30 0.00	41.00 1.54 0.00	43.93 1.92 0.00	80.96 3.85 0.00	37.76 2.00 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.25 2.37 0.00	47.85 2.55 0.00	38.98 2.08 0.00	37.27 1.98 0.00	40.45 2.18 0.00	33.66 1.82 0.00	42.16 2.16 0.00	43.73 2.10 0.00	48.08 2.17 0.00	48.30 2.48 0.00	37.77 1.86 0.00	36.50 1.91 0.00	35.00 1.80 0.00
DANSKAMMER__2 23589	53.32 2.39 0.00	34.62 1.42 0.00	33.54 1.30 0.00	34.14 1.30 0.00	34.49 1.30 0.00	41.00 1.54 0.00	43.93 1.92 0.00	80.96 3.85 0.00	37.76 2.00 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.25 2.37 0.00	47.85 2.55 0.00	38.98 2.08 0.00	37.27 1.98 0.00	40.45 2.18 0.00	33.66 1.82 0.00	42.16 2.16 0.00	43.73 2.10 0.00	48.08 2.17 0.00	48.30 2.48 0.00	37.77 1.86 0.00	36.50 1.91 0.00	35.00 1.80 0.00
DANSKAMMER__3 23590	53.32 2.39 0.00	34.62 1.42 0.00	33.54 1.30 0.00	34.14 1.30 0.00	34.49 1.30 0.00	41.00 1.54 0.00	43.93 1.92 0.00	80.96 3.85 0.00	37.76 2.00 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.25 2.37 0.00	47.85 2.55 0.00	38.98 2.08 0.00	37.27 1.98 0.00	40.45 2.18 0.00	33.66 1.82 0.00	42.16 2.16 0.00	43.73 2.10 0.00	48.08 2.17 0.00	48.30 2.48 0.00	37.77 1.86 0.00	36.50 1.91 0.00	35.00 1.80 0.00

DANSKAMMER___4 23591	53.32 2.39 0.00	34.62 1.42 0.00	33.54 1.30 0.00	34.14 1.30 0.00	34.49 1.30 0.00	41.00 1.54 0.00	43.93 1.92 0.00	80.96 3.85 0.00	37.76 2.00 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.25 2.37 0.00	47.85 2.55 0.00	38.98 2.08 0.00	37.27 1.98 0.00	40.45 2.18 0.00	33.66 1.82 0.00	42.16 2.16 0.00	43.73 2.10 0.00	48.08 2.17 0.00	48.30 2.48 0.00	37.77 1.86 0.00	36.50 1.91 0.00	35.00 1.80 0.00
DANSKAMMER___DIESEL 23592	53.32 2.39 0.00	34.62 1.42 0.00	33.54 1.30 0.00	34.12 1.29 0.00	34.49 1.29 0.00	41.01 1.54 0.00	43.93 1.92 0.00	80.96 3.85 0.00	37.75 1.99 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.26 2.37 0.00	47.86 2.56 0.00	38.99 2.09 0.00	37.27 1.99 0.00	40.46 2.18 0.00	33.65 1.81 0.00	42.16 2.15 0.00	43.72 2.10 0.00	48.08 2.17 0.00	48.30 2.48 0.00	37.77 1.86 0.00	36.51 1.91 0.00	35.00 1.80 0.00
DARBY___SOLAR 323810	52.67 1.74 0.00	34.32 1.12 0.00	33.26 1.02 0.00	33.86 1.03 0.00	34.23 1.03 0.00	40.62 1.15 0.00	43.37 1.36 0.00	79.82 2.70 0.00	36.97 1.22 0.00	40.89 1.50 0.00	37.28 1.28 0.00	42.47 1.59 0.00	47.08 1.78 0.00	38.50 1.61 0.00	36.83 1.55 0.00	40.06 1.79 0.00	33.28 1.45 0.00	41.83 1.83 0.00	43.48 1.86 0.00	47.73 1.82 0.00	47.79 1.97 0.00	37.26 1.35 0.00	35.95 1.36 0.00	34.39 1.18 0.00
DASHVILLE___HYD 23610	52.89 1.97 0.00	34.35 1.15 0.00	33.32 1.08 0.00	33.88 1.05 0.00	34.25 1.05 0.00	40.68 1.21 0.00	43.55 1.55 0.00	80.25 3.13 0.00	37.42 1.66 0.00	41.29 1.89 0.00	37.75 1.75 0.00	42.89 2.01 0.00	47.48 2.17 0.00	38.66 1.77 0.00	36.96 1.68 0.00	40.11 1.83 0.00	33.37 1.54 0.00	41.81 1.81 0.00	43.36 1.74 0.00	47.66 1.75 0.00	47.88 2.06 0.00	37.44 1.54 0.00	36.19 1.60 0.00	34.75 1.54 0.00
DELAWARE___LFGE 323621	51.95 1.03 0.00	33.82 0.62 0.00	32.88 0.64 0.00	33.49 0.66 0.00	33.87 0.67 0.00	40.30 0.83 0.00	42.97 0.97 0.00	79.00 1.88 0.00	36.79 1.04 0.00	40.76 1.13 -0.24	37.26 1.02 -0.24	42.07 1.12 -0.06	47.06 1.17 -0.59	37.74 0.84 0.00	36.05 0.77 0.00	39.12 0.84 0.00	32.50 0.66 0.00	40.81 0.81 0.00	42.45 0.83 0.00	46.84 0.93 0.00	46.92 1.10 0.00	36.70 0.79 0.00	35.40 0.80 0.00	33.92 0.71 0.00
DERFIELD_115KV_TB7 355931	50.85 -0.07 0.00	33.15 -0.04 0.00	32.19 -0.05 0.00	32.79 -0.04 0.00	33.13 -0.07 0.00	39.39 -0.08 0.00	41.92 -0.09 0.00	76.99 -0.13 0.00	35.72 -0.04 0.00	39.36 -0.03 0.00	35.97 -0.03 0.00	40.85 -0.04 0.00	45.26 -0.05 0.00	36.86 -0.04 0.00	35.24 -0.04 0.00	38.25 -0.03 0.00	31.80 -0.03 0.00	39.96 -0.04 0.00	41.54 -0.08 0.00	45.79 -0.12 0.00	45.78 -0.05 0.00	35.84 -0.07 0.00	34.56 -0.03 0.00	33.18 -0.03 0.00
DOGLEVILLE___HYD 23807	50.61 -0.31 0.00	33.01 -0.19 0.00	31.98 -0.26 0.00	32.56 -0.27 0.00	32.91 -0.28 0.00	39.06 -0.40 0.00	41.72 -0.28 0.00	76.99 -0.12 0.00	35.81 0.05 0.00	39.61 0.21 0.00	36.11 0.11 0.00	41.01 0.13 0.00	45.38 0.08 0.00	37.11 0.21 0.00	35.45 0.17 0.00	38.59 0.32 0.00	32.10 0.26 0.00	40.23 0.22 0.00	41.73 0.11 0.00	45.70 -0.21 0.00	45.84 0.02 0.00	35.83 -0.08 0.00	34.58 -0.01 0.00	33.06 -0.15 0.00
DUNKIRK___115KV_TB_200 55889	48.46 -2.47 0.00	31.53 -1.67 0.00	30.72 -1.52 0.00	31.41 -1.43 0.00	31.69 -1.51 0.00	37.92 -1.55 0.00	40.30 -1.71 0.00	73.29 -3.83 0.00	33.87 -1.88 0.00	35.27 -2.57 1.55	32.61 -2.38 1.01	31.08 -2.80 7.00	26.90 -3.27 15.13	19.97 -3.16 13.77	28.13 -3.11 4.03	25.39 -3.29 9.59	25.40 -2.93 3.50	35.45 -3.57 0.98	38.30 -3.32 0.00	43.52 -2.39 0.00	43.49 -2.34 0.00	33.86 -2.05 0.00	32.86 -1.73 0.00	31.32 -1.89 0.00
DUNKIRK___1 23563	48.46 -2.47 0.00	31.53 -1.67 0.00	30.72 -1.52 0.00	31.41 -1.43 0.00	31.69 -1.51 0.00	37.92 -1.55 0.00	40.30 -1.71 0.00	73.29 -3.83 0.00	33.87 -1.88 0.00	35.27 -2.57 1.55	32.61 -2.38 1.01	31.08 -2.80 7.00	26.90 -3.27 15.13	19.97 -3.16 13.77	28.13 -3.11 4.03	25.39 -3.29 9.59	25.40 -2.93 3.50	35.45 -3.57 0.98	38.30 -3.32 0.00	43.52 -2.39 0.00	43.49 -2.34 0.00	33.86 -2.05 0.00	32.86 -1.73 0.00	31.32 -1.89 0.00
DUNKIRK___2 23564	48.46 -2.47 0.00	31.53 -1.67 0.00	30.72 -1.52 0.00	31.41 -1.43 0.00	31.69 -1.51 0.00	37.92 -1.55 0.00	40.30 -1.71 0.00	73.29 -3.83 0.00	33.87 -1.88 0.00	35.27 -2.57 1.55	32.61 -2.38 1.01	31.08 -2.80 7.00	26.90 -3.27 15.13	19.97 -3.16 13.77	28.13 -3.11 4.03	25.39 -3.29 9.59	25.40 -2.93 3.50	35.45 -3.57 0.98	38.30 -3.32 0.00	43.52 -2.39 0.00	43.49 -2.34 0.00	33.86 -2.05 0.00	32.86 -1.73 0.00	31.32 -1.89 0.00
DUNKIRK___3 23565	48.28 -2.65 0.00	31.39 -1.82 0.00	30.58 -1.66 0.00	31.29 -1.54 0.00	31.60 -1.60 0.00	37.82 -1.65 0.00	40.17 -1.83 0.00	72.98 -4.14 0.00	33.71 -2.04 0.00	35.11 -2.70 1.58	32.54 -2.46 1.00	30.59 -2.90 7.39	26.12 -3.34 15.84	19.18 -3.15 14.56	27.89 -3.12 4.27	24.61 -3.34 10.33	25.11 -2.99 3.74	35.37 -3.66 0.97	38.15 -3.47 0.00	43.31 -2.60 0.00	43.28 -2.54 0.00	33.75 -2.16 0.00	32.75 -1.85 0.00	31.25 -1.96 0.00
DUNKIRK___4 23566	48.28 -2.65 0.00	31.39 -1.82 0.00	30.58 -1.66 0.00	31.29 -1.54 0.00	31.60 -1.60 0.00	37.82 -1.65 0.00	40.17 -1.83 0.00	72.98 -4.14 0.00	33.71 -2.04 0.00	35.11 -2.70 1.58	32.54 -2.46 1.00	30.59 -2.90 7.39	26.12 -3.34 15.84	19.18 -3.15 14.56	27.89 -3.12 4.27	24.61 -3.34 10.33	25.11 -2.99 3.74	35.37 -3.66 0.97	38.15 -3.47 0.00	43.31 -2.60 0.00	43.28 -2.54 0.00	33.75 -2.16 0.00	32.75 -1.85 0.00	31.25 -1.96 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	53.30 2.38 0.00	34.61 1.41 0.00	33.51 1.27 0.00	34.08 1.25 0.00	34.45 1.26 0.00	40.95 1.48 0.00	43.89 1.88 0.00	80.82 3.70 0.00	37.73 1.97 0.00	41.60 2.20 0.00	38.03 2.04 0.00	43.18 2.30 0.00	47.75 2.45 0.00	38.93 2.03 0.00	37.22 1.94 0.00	40.38 2.10 0.00	33.60 1.76 0.00	42.03 2.03 0.00	43.57 1.94 0.00	47.85 1.94 0.00	48.12 2.30 0.00	37.65 1.74 0.00	36.43 1.83 0.00	34.99 1.79 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	53.02 2.09 0.00	34.42 1.22 0.00	33.35 1.11 0.00	33.93 1.10 0.00	34.30 1.11 0.00	40.78 1.31 0.00	43.68 1.67 0.00	80.46 3.35 0.00	37.51 1.75 0.00	41.36 1.97 0.00	37.82 1.82 0.00	42.97 2.08 0.00	47.54 2.24 0.00	38.71 1.82 0.00	37.01 1.73 0.00	40.16 1.88 0.00	33.41 1.58 0.00	41.86 1.86 0.00	43.43 1.81 0.00	47.75 1.85 0.00	47.99 2.17 0.00	37.54 1.63 0.00	36.28 1.69 0.00	34.80 1.60 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	53.45 2.53 0.00	34.72 1.52 0.00	33.56 1.32 0.00	34.13 1.30 0.00	34.52 1.32 0.00	41.03 1.57 0.00	44.00 2.00 0.00	80.92 3.80 0.00	37.76 2.01 0.00	41.56 2.17 0.00	38.08 2.08 0.00	43.23 2.35 0.00	47.80 2.50 0.00	39.01 2.12 0.00	37.26 1.98 0.00	40.40 2.12 0.00	33.61 1.77 0.00	42.03 2.02 0.00	43.53 1.91 0.00	47.70 1.80 0.00	48.12 2.30 0.00	37.66 1.75 0.00	36.43 1.83 0.00	35.06 1.85 0.00

E179THST_13_KV_LOAD 356214	53.65 2.73 0.00	34.83 1.63 0.00	33.67 1.43 0.00	34.24 1.41 0.00	34.62 1.42 0.00	41.16 1.69 0.00	44.15 2.14 0.00	81.23 4.11 0.00	37.93 2.17 0.00	41.75 2.35 0.00	38.23 2.24 0.00	43.42 2.54 0.00	48.00 2.70 0.00	39.18 2.29 0.00	37.43 2.15 0.00	40.56 2.28 0.00	33.75 1.92 0.00	42.21 2.21 0.00	43.73 2.10 0.00	47.93 2.03 0.00	48.34 2.52 0.00	37.82 1.91 0.00	36.57 1.98 0.00	35.19 1.99 0.00
EAST HAMPTON___GT 23717	56.06 5.13 0.00	36.21 3.01 0.00	35.03 2.79 0.00	35.59 2.76 0.00	36.01 2.82 0.00	42.86 3.40 0.00	45.94 3.94 0.00	84.05 6.93 0.00	38.65 2.90 0.00	42.98 2.84 -0.75	46.62 2.22 -8.40	44.50 2.64 -0.97	44.58 2.85 3.58	44.45 3.12 -4.43	41.75 2.98 -3.50	41.18 2.75 -0.15	35.10 2.92 -0.34	38.01 3.55 5.54	40.17 2.31 3.76	46.73 1.85 1.01	47.70 1.88 0.00	33.96 1.31 3.26	31.65 1.75 4.69	23.31 2.60 12.50
EAST RIVER___6 23660	53.63 2.71 0.00	34.79 1.59 0.00	33.67 1.43 0.00	34.25 1.42 0.00	34.61 1.42 0.00	41.14 1.68 0.00	44.17 2.16 0.00	81.41 4.30 0.00	38.04 2.28 0.00	41.93 2.53 0.00	38.34 2.34 0.00	43.58 2.69 0.00	48.18 2.88 0.00	39.24 2.34 0.00	37.54 2.25 0.00	40.71 2.44 0.00	33.88 2.04 0.00	42.37 2.37 0.00	43.88 2.26 0.00	48.13 2.22 0.00	48.44 2.61 0.00	37.90 2.00 0.00	36.65 2.06 0.00	35.21 2.00 0.00
EAST RIVER___7 23524	53.63 2.71 0.00	34.79 1.59 0.00	33.67 1.43 0.00	34.25 1.42 0.00	34.61 1.42 0.00	41.14 1.68 0.00	44.17 2.16 0.00	81.41 4.30 0.00	38.04 2.28 0.00	41.93 2.53 0.00	38.34 2.34 0.00	43.58 2.69 0.00	48.18 2.88 0.00	39.24 2.34 0.00	37.54 2.25 0.00	40.71 2.44 0.00	33.88 2.04 0.00	42.37 2.37 0.00	43.88 2.26 0.00	48.13 2.22 0.00	48.44 2.61 0.00	37.90 2.00 0.00	36.65 2.06 0.00	35.21 2.00 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	53.20 2.27 0.00	34.53 1.33 0.00	33.43 1.20 0.00	34.00 1.18 0.00	34.37 1.18 0.00	40.86 1.39 0.00	43.80 1.80 0.00	80.69 3.58 0.00	37.64 1.88 0.00	41.50 2.11 0.00	37.94 1.94 0.00	43.10 2.22 0.00	47.67 2.37 0.00	38.85 1.96 0.00	37.15 1.87 0.00	40.30 2.02 0.00	33.52 1.69 0.00	41.96 1.95 0.00	43.50 1.87 0.00	47.77 1.86 0.00	48.03 2.21 0.00	37.55 1.65 0.00	36.34 1.74 0.00	34.90 1.69 0.00
EAST_HAMPTON___DIESEL 23722	56.07 5.14 0.00	36.22 3.02 0.00	35.03 2.79 0.00	35.60 2.77 0.00	36.02 2.83 0.00	42.86 3.40 0.00	45.94 3.93 0.00	84.02 6.90 0.00	38.60 2.84 0.00	42.88 2.74 -0.75	46.52 2.13 -8.40	44.38 2.52 -0.97	44.46 2.74 3.58	44.37 3.05 -4.43	41.68 2.90 -3.50	41.09 2.67 -0.15	35.06 2.88 -0.34	37.95 3.49 5.54	40.08 2.22 3.76	46.60 1.71 1.01	47.56 1.75 0.00	33.84 1.19 3.26	31.56 1.65 4.69	23.26 2.55 12.50
EAST_POINT___SOLAR 323840	53.66 2.73 0.00	34.91 1.71 0.00	33.92 1.68 0.00	34.55 1.72 0.00	34.98 1.79 0.00	41.76 2.29 0.00	44.71 2.70 0.00	82.15 5.04 0.00	38.08 2.32 0.00	41.85 2.46 0.00	38.22 2.23 0.00	43.34 2.46 0.00	47.97 2.67 0.00	38.85 1.95 0.00	37.06 1.77 0.00	40.20 1.93 0.00	33.44 1.60 0.00	42.23 2.22 0.00	44.12 2.50 0.00	48.94 3.03 0.00	48.90 3.08 0.00	38.16 2.25 0.00	36.64 2.04 0.00	35.05 1.84 0.00
EAST_PULASKI___ESR 323781	49.65 -1.28 0.00	32.39 -0.81 0.00	31.48 -0.76 0.00	32.07 -0.75 0.00	32.46 -0.74 0.00	38.64 -0.83 0.00	41.13 -0.88 0.00	75.42 -1.70 0.00	34.96 -0.80 0.00	38.43 -0.96 0.00	35.14 -0.85 0.00	39.84 -1.05 0.00	44.07 -1.23 0.00	35.87 -1.02 0.00	34.27 -1.01 0.00	37.17 -1.11 0.00	30.89 -0.94 0.00	38.88 -1.12 0.00	40.51 -1.12 0.00	44.88 -1.03 0.00	44.95 -0.87 0.00	35.14 -0.77 0.00	33.80 -0.79 0.00	32.42 -0.78 0.00
EAST_RIVER___1 323558	53.52 2.60 0.00	34.72 1.52 0.00	33.60 1.36 0.00	34.19 1.36 0.00	34.55 1.36 0.00	41.06 1.59 0.00	44.07 2.07 0.00	81.20 4.08 0.00	37.94 2.18 0.00	41.80 2.40 0.00	38.22 2.23 0.00	43.44 2.56 0.00	48.03 2.73 0.00	39.12 2.22 0.00	37.41 2.13 0.00	40.59 2.32 0.00	33.78 1.94 0.00	42.25 2.25 0.00	43.76 2.13 0.00	48.00 2.10 0.00	48.31 2.49 0.00	37.81 1.91 0.00	36.58 1.99 0.00	35.15 1.94 0.00
EAST_RIVER___2 323559	53.63 2.71 0.00	34.79 1.59 0.00	33.67 1.43 0.00	34.25 1.42 0.00	34.61 1.42 0.00	41.14 1.68 0.00	44.17 2.16 0.00	81.41 4.30 0.00	38.04 2.28 0.00	41.93 2.53 0.00	38.34 2.34 0.00	43.58 2.69 0.00	48.18 2.88 0.00	39.24 2.34 0.00	37.54 2.25 0.00	40.71 2.44 0.00	33.88 2.04 0.00	42.37 2.37 0.00	43.88 2.26 0.00	48.13 2.22 0.00	48.44 2.61 0.00	37.90 2.00 0.00	36.65 2.06 0.00	35.21 2.00 0.00
EAST___DELAWARE_HYD 23607	53.79 2.86 0.00	34.94 1.74 0.00	33.90 1.66 0.00	34.54 1.70 0.00	34.92 1.72 0.00	41.56 2.09 0.00	44.50 2.50 0.00	81.97 4.85 0.00	38.18 2.42 0.00	42.11 2.71 0.00	38.49 2.49 0.00	43.75 2.86 0.00	48.39 3.09 0.00	39.22 2.33 0.00	37.36 2.08 0.00	40.52 2.24 0.00	33.70 1.87 0.00	42.28 2.28 0.00	43.92 2.30 0.00	48.39 2.48 0.00	48.58 2.76 0.00	37.97 2.06 0.00	36.67 2.07 0.00	35.13 1.92 0.00
EIGHT_POINT___WT_PWR 323820	49.52 -1.41 0.00	32.10 -1.10 0.00	31.35 -0.89 0.00	31.95 -0.88 0.00	32.30 -0.90 0.00	38.60 -0.87 0.00	40.88 -1.12 0.00	74.68 -2.44 0.00	34.57 -1.19 0.00	37.12 -1.84 0.44	31.88 -1.84 2.28	60.84 -2.35 -22.31	80.32 -2.84 -37.86	80.64 -2.44 -46.18	46.52 -2.29 -13.53	69.09 -2.48 -33.29	39.43 -2.26 -9.85	35.01 -2.76 2.23	39.19 -2.43 0.00	44.18 -1.73 0.00	44.41 -1.41 0.00	34.44 -1.47 0.00	33.12 -1.48 0.00	31.44 -1.77 0.00
ELBRIDGE_115KV_TB2 80188	49.84 -1.09 0.00	32.53 -0.67 0.00	31.56 -0.68 0.00	32.15 -0.68 0.00	32.57 -0.62 0.00	38.73 -0.73 0.00	41.23 -0.77 0.00	75.58 -1.54 0.00	35.05 -0.71 0.00	38.54 -0.86 0.00	35.24 -0.76 0.00	39.89 -0.99 0.00	44.21 -1.09 0.00	35.97 -0.92 0.00	34.38 -0.90 0.00	37.29 -0.98 0.00	30.96 -0.88 0.00	38.98 -1.03 0.00	40.59 -1.04 0.00	44.86 -1.05 0.00	44.88 -0.94 0.00	35.10 -0.80 0.00	33.83 -0.76 0.00	32.48 -0.73 0.00
ELEC_TRO_TEK 24086	53.69 2.76 0.00	34.77 1.57 0.00	33.66 1.42 0.00	34.21 1.38 0.00	34.58 1.39 0.00	41.18 1.71 0.00	44.14 2.14 0.00	81.11 3.99 0.00	37.93 2.18 0.00	47.20 2.50 -5.30	115.22 2.32 -76.90	109.96 2.73 -66.34	72.83 2.87 -24.66	77.12 2.42 -37.80	71.01 2.34 -33.39	60.64 2.48 -19.89	51.80 2.07 -17.90	70.43 2.40 -28.03	61.84 2.18 -18.04	53.03 2.24 -4.88	48.28 2.44 -0.02	53.38 1.90 -15.57	58.84 2.08 -22.17	95.24 2.06 -59.97
ELLENBURG_WT_PWR 323604	51.49 0.57 0.00	33.56 0.35 0.00	32.59 0.34 0.00	33.15 0.32 0.00	33.55 0.35 0.00	40.00 0.53 0.00	42.61 0.61 0.00	78.20 1.08 0.00	36.20 0.44 0.00	39.81 0.42 0.00	36.33 0.33 0.00	41.37 0.49 0.00	45.96 0.66 0.00	37.40 0.50 0.00	35.79 0.52 0.00	38.76 0.48 0.00	32.31 0.47 0.00	40.70 0.69 0.00	42.46 0.84 0.00	46.95 1.05 0.00	46.66 0.84 0.00	36.58 0.67 0.00	35.09 0.49 0.00	33.66 0.45 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	47.61 -3.32 0.00	30.87 -2.33 0.00	30.09 -2.15 0.00	30.83 -2.00 0.00	31.20 -2.00 0.00	37.38 -2.09 0.00	39.71 -2.30 0.00	71.94 -5.18 0.00	33.15 -2.61 0.00	34.49 -3.37 1.54	32.14 -2.92 0.93	29.66 -3.50 7.72	25.01 -3.93 16.36	18.07 -3.55 15.27	27.28 -3.52 4.47	23.49 -3.81 10.98	24.55 -3.36 3.93	34.98 -4.12 0.90	37.60 -4.03 0.00	42.67 -3.24 0.00	42.61 -3.22 0.00	33.26 -2.64 0.00	32.24 -2.36 0.00	30.88 -2.33 0.00
EMPIRE_CC_1 323656	52.06 1.14 0.00	33.97 0.77 0.00	32.91 0.67 0.00	33.50 0.67 0.00	33.72 0.53 0.00	39.83 0.36 0.00	42.37 0.36 0.00	77.91 0.79 0.00	36.13 0.37 0.00	39.88 0.48 0.00	36.41 0.41 0.00	41.42 0.54 0.00	45.93 0.63 0.00	37.62 0.72 0.00	35.99 0.71 0.00	39.16 0.88 0.00	32.55 0.72 0.00	40.82 0.82 0.00	42.39 0.77 0.00	46.51 0.60 0.00	46.58 0.76 0.00	36.44 0.53 0.00	35.20 0.60 0.00	33.74 0.53 0.00
EMPIRE_CC_2 323658	52.06 1.14 0.00	33.97 0.77 0.00	32.91 0.67 0.00	33.50 0.67 0.00	33.72 0.53 0.00	39.83 0.36 0.00	42.37 0.36 0.00	77.91 0.79 0.00	36.13 0.37 0.00	39.88 0.48 0.00	36.41 0.41 0.00	41.42 0.54 0.00	45.93 0.63 0.00	37.62 0.72 0.00	35.99 0.71 0.00	39.16 0.88 0.00	32.55 0.72 0.00	40.82 0.82 0.00	42.39 0.77 0.00	46.51 0.60 0.00	46.58 0.76 0.00	36.44 0.53 0.00	35.20 0.60 0.00	33.74 0.53 0.00
ENORWICH_115KV_TB1 80156	53.86 2.93 0.00	34.98 1.78 0.00	33.95 1.71 0.00	34.69 1.86 0.00	35.12 1.93 0.00	42.06 2.60 0.00	44.99 2.98 0.00	82.81 5.70 0.00	39.68 3.92 0.00	45.67 4.28 -2.00	41.61 3.71 -1.90	46.38 3.81 -1.69	56.04 3.81 -6.93	41.42 1.98 -2.55	37.74 1.71 -0.75	42.02 1.91 -1.83	34.51 1.50 -1.18	43.23 1.85 -1.38	43.51 1.89 0.00	48.27 2.36 0.00	48.17 2.34 0.00	37.68 1.78 0.00	36.04 1.45 0.00	34.09 0.88 0.00
ERIE_ST__34_KV_TB1-2 80199	48.35 -2.58 0.00	31.35 -1.85 0.00	30.54 -1.70 0.00	31.30 -1.53 0.00	31.67 -1.52 0.00	37.94 -1.53 0.00	40.33 -1.67 0.00	73.20 -3.92 0.00	33.77 -1.99 0.00	35.26 -2.64 1.49	32.74 -2.29 0.98	31.57 -2.70 6.61	27.90 -3.07 14.33	21.08 -2.83 12.98	28.61 -2.87 3.81	25.81 -3.09 9.38	25.63 -2.78 3.42	35.61 -3.45 0.94	38.28 -3.35 0.00	43.43 -2.48 0.00	43.38 -2.44 0.00	33.89 -2.02 0.00	32.83 -1.77 0.00	31.41 -1.80 0.00
ERIE_WT_PWR 323693	47.95 -2.98 0.00	31.07 -2.13 0.00	30.30 -1.94 0.00	30.93 -1.90 0.00	31.36 -1.84 0.00	37.64 -1.82 0.00	39.99 -2.02 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.73 -3.12 1.54	32.34 -2.70 0.97	30.22 -3.26 7.40	25.85 -3.64 15.81	19.02 -3.28 14.59	27.70 -3.30 4.28	24.26 -3.51 10.51	24.90 -3.14 3.79	35.19 -3.87 0.94	37.83 -3.80 0.00	42.93 -2.98 0.00	42.90 -2.92 0.00	33.48 -2.43 0.00	32.45 -2.14 0.00	31.09 -2.11 0.00
ESPRGFLD_115KV_TB1 80157	52.87 1.94 0.00	34.40 1.20 0.00	33.46 1.22 0.00	34.09 1.27 0.00	34.53 1.34 0.00	41.24 1.78 0.00	44.07 2.07 0.00	80.90 3.78 0.00	37.60 1.85 0.00	41.31 1.91 0.00	37.74 1.74 0.00	42.76 1.87 0.00	47.30 2.00 0.00	38.22 1.33 0.00	36.49 1.21 0.00	39.51 1.23 0.00	32.82 0.98 0.00	41.34 1.33 0.00	43.15 1.53 0.00	47.91 2.00 0.00	47.88 2.05 0.00	37.41 1.51 0.00	35.96 1.36 0.00	34.41 1.20 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	51.32 0.39 0.00	33.40 0.20 0.00	32.44 0.20 0.00	33.07 0.24 0.00	33.47 0.27 0.00	39.91 0.44 0.00	42.54 0.54 0.00	78.11 1.00 0.00	36.36 0.60 0.00	43.54 0.59 -3.56	39.91 0.50 -3.41	44.09 0.44 -2.77	57.57 0.37 -11.90	41.26 0.15 -4.21	36.65 0.13 -1.24	41.47 0.14 -3.04	34.31 0.08 -2.39	43.57 0.14 -3.42	41.83 0.21 0.00	46.39 0.48 0.00	46.40 0.57 0.00	36.24 0.33 0.00	34.88 0.29 0.00	33.35 0.14 0.00
ETNA_____115KV_TB2 80207	51.32 0.39 0.00	33.40 0.20 0.00	32.44 0.20 0.00	33.07 0.24 0.00	33.47 0.27 0.00	39.91 0.44 0.00	42.54 0.54 0.00	78.11 1.00 0.00	36.36 0.60 0.00	43.54 0.59 -3.56	39.91 0.50 -3.41	44.09 0.44 -2.77	57.57 0.37 -11.90	41.26 0.15 -4.21	36.65 0.13 -1.24	41.47 0.14 -3.04	34.31 0.08 -2.39	43.57 0.14 -3.42	41.83 0.21 0.00	46.39 0.48 0.00	46.40 0.57 0.00	36.24 0.33 0.00	34.88 0.29 0.00	33.35 0.14 0.00
EUCLID___115KV_TB2 356179	49.74 -1.19 0.00	32.46 -0.74 0.00	31.53 -0.71 0.00	32.14 -0.69 0.00	32.50 -0.69 0.00	38.69 -0.78 0.00	41.12 -0.88 0.00	75.42 -1.70 0.00	34.97 -0.79 0.00	38.46 -0.93 0.00	35.18 -0.82 0.00	39.89 -0.99 0.00	44.16 -1.14 0.00	35.92 -0.97 0.00	34.33 -0.96 0.00	37.24 -1.04 0.00	30.95 -0.89 0.00	38.90 -1.11 0.00	40.48 -1.14 0.00	44.81 -1.10 0.00	44.80 -1.02 0.00	35.04 -0.87 0.00	33.79 -0.81 0.00	32.43 -0.78 0.00
E_CANADA_CAP_HY 24051	53.19 2.26 0.00	34.61 1.41 0.00	33.66 1.42 0.00	34.29 1.46 0.00	34.72 1.52 0.00	41.44 1.98 0.00	44.29 2.29 0.00	81.28 4.16 0.00	37.66 1.91 0.00	41.36 1.97 0.00	37.79 1.79 0.00	42.84 1.96 0.00	47.42 2.12 0.00	38.40 1.50 0.00	36.66 1.38 0.00	39.70 1.43 0.00	33.01 1.17 0.00	41.65 1.64 0.00	43.48 1.85 0.00	48.29 2.38 0.00	48.21 2.39 0.00	37.65 1.75 0.00	36.16 1.57 0.00	34.63 1.42 0.00
E_CANADA_MHWK_HY 24050	50.61 -0.31 0.00	33.01 -0.19 0.00	31.98 -0.26 0.00	32.56 -0.27 0.00	32.91 -0.28 0.00	39.07 -0.40 0.00	41.72 -0.28 0.00	77.00 -0.12 0.00	35.81 0.05 0.00	39.61 0.22 0.00	36.11 0.11 0.00	41.01 0.13 0.00	45.38 0.08 0.00	37.11 0.21 0.00	35.45 0.17 0.00	38.59 0.32 0.00	32.09 0.26 0.00	40.23 0.23 0.00	41.73 0.11 0.00	45.70 -0.21 0.00	45.84 0.02 0.00	35.83 -0.08 0.00	34.58 -0.01 0.00	33.06 -0.15 0.00
E_FISHKILL___LBMP 23776	52.86 1.94 0.00	34.34 1.14 0.00	33.27 1.03 0.00	33.84 1.01 0.00	34.21 1.02 0.00	40.64 1.18 0.00	43.52 1.52 0.00	80.15 3.03 0.00	37.36 1.61 0.00	41.18 1.79 0.00	37.65 1.65 0.00	42.78 1.89 0.00	47.32 2.02 0.00	38.58 1.68 0.00	36.88 1.60 0.00	40.02 1.75 0.00	33.29 1.45 0.00	41.69 1.69 0.00	43.23 1.61 0.00	47.50 1.59 0.00	47.73 1.91 0.00	37.34 1.43 0.00	36.11 1.52 0.00	34.69 1.48 0.00
FALCON___SEABRD_CC1 323796	52.78 1.85 0.00	34.40 1.20 0.00	33.32 1.08 0.00	33.92 1.09 0.00	34.37 1.18 0.00	40.98 1.51 0.00	43.70 1.69 0.00	80.19 3.07 0.00	36.90 1.14 0.00	40.31 0.92 0.00	36.75 0.75 0.00	41.88 1.00 0.00	46.50 1.20 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.22 0.95 0.00	32.67 0.84 0.00	41.11 1.10 0.00	42.87 1.25 0.00	47.45 1.54 0.00	47.24 1.41 0.00	36.95 1.04 0.00	35.41 0.82 0.00	33.98 0.77 0.00
FALCON___SEABRD_CC2 323797	52.78 1.85 0.00	34.40 1.20 0.00	33.32 1.08 0.00	33.92 1.09 0.00	34.37 1.18 0.00	40.98 1.51 0.00	43.70 1.69 0.00	80.19 3.07 0.00	36.90 1.14 0.00	40.31 0.92 0.00	36.75 0.75 0.00	41.88 1.00 0.00	46.50 1.20 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.22 0.95 0.00	32.67 0.84 0.00	41.11 1.10 0.00	42.87 1.25 0.00	47.45 1.54 0.00	47.24 1.41 0.00	36.95 1.04 0.00	35.41 0.82 0.00	33.98 0.77 0.00

FAR ROCKAWAY___4 23548	54.39 3.47 0.00	35.20 2.00 0.00	34.03 1.79 0.00	34.58 1.74 0.00	34.96 1.77 0.00	41.66 2.20 0.00	44.71 2.71 0.00	82.87 5.75 0.00	38.45 2.69 0.00	53.04 3.00 -10.64	197.03 2.77 -158.26	196.07 3.28 -151.90	115.83 3.30 -67.23	116.69 2.74 -77.06	105.99 2.76 -67.95	86.54 2.93 -45.33	74.68 2.49 -40.36	121.01 2.94 -78.06	95.33 2.76 -50.95	62.60 2.90 -13.79	48.99 3.10 -0.06	82.03 2.42 -43.71	98.21 2.55 -61.07	205.04 2.40 -169.44
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	53.48 2.56 0.00	34.70 1.50 0.00	33.58 1.34 0.00	34.14 1.31 0.00	34.51 1.32 0.00	41.03 1.56 0.00	44.04 2.03 0.00	81.14 4.02 0.00	37.89 2.14 0.00	41.75 2.36 0.00	38.19 2.19 0.00	43.40 2.52 0.00	47.99 2.70 0.00	39.09 2.20 0.00	37.38 2.10 0.00	40.55 2.28 0.00	33.75 1.92 0.00	42.19 2.19 0.00	43.71 2.09 0.00	47.98 2.07 0.00	48.29 2.47 0.00	37.79 1.88 0.00	36.56 1.97 0.00	35.14 1.93 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	53.50 2.57 0.00	34.72 1.51 0.00	33.59 1.35 0.00	34.15 1.33 0.00	34.53 1.33 0.00	41.05 1.58 0.00	44.05 2.05 0.00	81.14 4.03 0.00	37.90 2.14 0.00	41.76 2.37 0.00	38.21 2.21 0.00	43.40 2.52 0.00	48.00 2.70 0.00	39.10 2.21 0.00	37.39 2.11 0.00	40.56 2.29 0.00	33.76 1.93 0.00	42.22 2.21 0.00	43.73 2.11 0.00	47.98 2.08 0.00	48.30 2.47 0.00	37.80 1.89 0.00	36.57 1.98 0.00	35.15 1.94 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	53.47 2.54 0.00	34.69 1.48 0.00	33.57 1.33 0.00	34.14 1.31 0.00	34.51 1.31 0.00	41.02 1.55 0.00	44.03 2.02 0.00	81.12 4.01 0.00	37.88 2.13 0.00	41.74 2.35 0.00	38.18 2.19 0.00	43.39 2.51 0.00	47.98 2.68 0.00	39.08 2.19 0.00	37.38 2.09 0.00	40.54 2.26 0.00	33.74 1.90 0.00	42.19 2.19 0.00	43.71 2.08 0.00	47.95 2.04 0.00	48.26 2.44 0.00	37.76 1.86 0.00	36.55 1.95 0.00	35.12 1.91 0.00
FARRAGUT___LBMP 323566	53.43 2.50 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.11 1.28 0.00	34.48 1.28 0.00	40.99 1.52 0.00	43.99 1.99 0.00	81.04 3.93 0.00	37.85 2.09 0.00	41.70 2.31 0.00	38.14 2.14 0.00	43.34 2.46 0.00	47.93 2.63 0.00	39.05 2.15 0.00	37.33 2.05 0.00	40.50 2.22 0.00	33.70 1.87 0.00	42.15 2.15 0.00	43.66 2.04 0.00	47.90 2.00 0.00	48.23 2.41 0.00	37.73 1.83 0.00	36.52 1.92 0.00	35.10 1.89 0.00
FENNER___WINDPWR 24204	51.43 0.50 0.00	33.49 0.29 0.00	32.52 0.28 0.00	33.14 0.31 0.00	33.52 0.32 0.00	39.95 0.49 0.00	42.60 0.60 0.00	78.25 1.13 0.00	36.33 0.57 0.00	40.64 0.60 -0.65	37.22 0.57 -0.65	41.62 0.58 -0.16	47.34 0.52 -1.51	37.29 0.40 0.00	35.65 0.37 0.00	38.64 0.36 0.00	32.37 0.27 -0.27	41.03 0.37 -0.66	42.05 0.42 0.00	46.51 0.60 0.00	46.48 0.66 0.00	36.32 0.41 0.00	34.91 0.32 0.00	33.42 0.21 0.00
FIBERTEK___ENERGY 23856	50.18 -0.75 0.00	32.74 -0.46 0.00	31.78 -0.45 0.00	32.38 -0.45 0.00	32.78 -0.41 0.00	39.01 -0.45 0.00	41.50 -0.50 0.00	76.11 -1.01 0.00	35.31 -0.45 0.00	38.83 -0.56 0.00	35.50 -0.49 0.00	40.24 -0.64 0.00	44.55 -0.75 0.00	36.26 -0.64 0.00	34.65 -0.63 0.00	37.59 -0.69 0.00	31.23 -0.60 0.00	39.28 -0.73 0.00	40.90 -0.72 0.00	45.23 -0.68 0.00	45.23 -0.60 0.00	35.36 -0.54 0.00	34.07 -0.52 0.00	32.70 -0.51 0.00
FITZPATRICK___ 23598	49.15 -1.78 0.00	32.08 -1.12 0.00	31.17 -1.07 0.00	31.75 -1.08 0.00	32.12 -1.07 0.00	38.20 -1.27 0.00	40.59 -1.42 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.69 -1.31 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.42 0.00	33.89 -1.39 0.00	36.76 -1.51 0.00	30.56 -1.27 0.00	38.41 -1.59 0.00	39.99 -1.64 0.00	44.22 -1.69 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.34 -1.26 0.00	32.04 -1.17 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	53.38 2.45 0.00	34.67 1.47 0.00	33.59 1.35 0.00	34.17 1.34 0.00	34.54 1.35 0.00	41.06 1.59 0.00	44.01 2.00 0.00	81.09 3.97 0.00	37.82 2.06 0.00	41.71 2.32 0.00	38.14 2.15 0.00	43.34 2.46 0.00	47.95 2.65 0.00	39.06 2.17 0.00	37.34 2.06 0.00	40.53 2.25 0.00	33.71 1.88 0.00	42.24 2.23 0.00	43.80 2.18 0.00	48.16 2.26 0.00	48.38 2.56 0.00	37.83 1.93 0.00	36.55 1.96 0.00	35.06 1.85 0.00
FORT ORANGE___ 23900	51.58 0.65 0.00	33.70 0.50 0.00	32.67 0.43 0.00	33.26 0.43 0.00	33.58 0.39 0.00	39.75 0.28 0.00	42.36 0.36 0.00	77.97 0.85 0.00	36.25 0.50 0.00	39.96 0.57 0.00	36.48 0.48 0.00	41.43 0.55 0.00	45.95 0.65 0.00	37.67 0.77 0.00	35.99 0.71 0.00	39.09 0.82 0.00	32.54 0.70 0.00	40.77 0.76 0.00	42.34 0.72 0.00	46.52 0.61 0.00	46.58 0.76 0.00	36.46 0.55 0.00	35.19 0.60 0.00	33.74 0.53 0.00
FORT_DRUM_COGEN 23780	50.59 -0.34 0.00	32.96 -0.24 0.00	32.06 -0.18 0.00	32.69 -0.14 0.00	33.10 -0.10 0.00	39.44 -0.03 0.00	42.14 0.13 0.00	77.34 0.22 0.00	35.83 0.07 0.00	39.39 0.00 0.00	35.96 -0.04 0.00	40.72 -0.16 0.00	44.99 -0.31 0.00	36.66 -0.24 0.00	34.99 -0.29 0.00	37.93 -0.35 0.00	31.47 -0.37 0.00	39.74 -0.26 0.00	41.50 -0.13 0.00	46.11 0.20 0.00	46.43 0.60 0.00	36.25 0.34 0.00	34.70 0.11 0.00	33.18 -0.03 0.00
FOX_HILLS___ESR 323835	53.48 2.55 0.00	34.84 1.63 0.00	33.79 1.55 0.00	34.43 1.60 0.00	34.81 1.61 0.00	41.40 1.93 0.00	44.34 2.32 -0.01	84.35 4.02 -3.21	49.06 2.01 -11.29	73.66 2.23 -32.04	60.83 2.16 -22.67	57.68 2.32 -14.47	82.18 2.47 -34.41	60.79 2.02 -21.87	49.28 1.95 -12.06	60.75 2.09 -20.38	59.11 1.76 -25.51	51.19 1.99 -9.20	47.77 1.88 -4.26	53.87 1.80 -6.16	66.43 2.37 -18.24	49.72 2.01 -11.81	48.42 2.11 -11.72	35.35 2.13 -0.01
FPL_FAR_ROCK_GT1 24212	54.39 3.47 0.00	35.20 2.00 0.00	34.03 1.79 0.00	34.59 1.76 0.00	34.97 1.78 0.00	41.66 2.20 0.00	44.72 2.71 0.00	82.87 5.75 0.00	38.46 2.70 0.00	53.04 3.00 -10.64	197.02 2.76 -158.26	196.06 3.27 -151.90	115.83 3.30 -67.23	116.67 2.72 -77.06	105.99 2.76 -67.95	86.54 2.94 -45.33	74.68 2.49 -40.36	121.01 2.94 -78.06	95.34 2.76 -50.95	62.61 2.91 -13.79	48.98 3.10 -0.06	82.01 2.40 -43.71	98.15 2.49 -61.07	205.04 2.39 -169.44
FPL_FAR_ROCK_GT2 23815	54.39 3.47 0.00	35.20 2.00 0.00	34.03 1.79 0.00	34.59 1.76 0.00	34.97 1.78 0.00	41.66 2.20 0.00	44.72 2.71 0.00	82.87 5.75 0.00	38.46 2.70 0.00	53.04 3.00 -10.64	197.02 2.76 -158.26	196.06 3.27 -151.90	115.83 3.30 -67.23	116.67 2.72 -77.06	105.99 2.76 -67.95	86.54 2.94 -45.33	74.68 2.49 -40.36	121.01 2.94 -78.06	95.34 2.76 -50.95	62.61 2.91 -13.79	48.98 3.10 -0.06	82.01 2.40 -43.71	98.15 2.49 -61.07	205.04 2.39 -169.44
FRANKLIN_FALL_HYD 24054	51.49 0.56 0.00	33.54 0.33 0.00	32.58 0.34 0.00	33.12 0.29 0.00	33.54 0.35 0.00	40.04 0.57 0.00	42.72 0.72 0.00	78.42 1.30 0.00	36.31 0.56 0.00	39.92 0.53 0.00	36.45 0.45 0.00	41.48 0.60 0.00	46.08 0.78 0.00	37.51 0.61 0.00	35.88 0.60 0.00	38.79 0.51 0.00	32.39 0.55 0.00	40.84 0.84 0.00	42.67 1.04 0.00	47.18 1.27 0.00	46.86 1.04 0.00	36.77 0.86 0.00	35.19 0.60 0.00	33.71 0.51 0.00



FREEPORT_EQUS_GT1 23764	53.94 3.01 0.00	34.92 1.72 0.00	33.78 1.53 0.00	34.35 1.52 0.00	34.71 1.51 0.00	41.35 1.88 0.00	44.32 2.32 0.00	81.35 4.23 0.00	38.10 2.35 0.00	46.17 2.70 -4.09	97.86 2.52 -59.34	95.25 2.89 -51.48	67.52 2.96 -19.26	68.74 2.63 -29.23	63.49 2.55 -25.65	56.27 2.66 -15.33	47.84 2.21 -13.80	64.32 2.58 -21.73	57.97 2.36 -13.99	52.11 2.42 -3.79	48.43 2.59 -0.02	50.18 2.00 -12.27	55.03 2.15 -18.29	81.93 2.21 -46.52
FREEPORT___CT2 23818	53.94 3.01 0.00	34.92 1.72 0.00	33.78 1.53 0.00	34.35 1.52 0.00	34.71 1.51 0.00	41.35 1.88 0.00	44.32 2.32 0.00	81.35 4.23 0.00	38.10 2.35 0.00	46.17 2.70 -4.09	97.86 2.52 -59.34	95.25 2.89 -51.48	67.52 2.96 -19.26	68.74 2.63 -29.23	63.49 2.55 -25.65	56.27 2.66 -15.33	47.84 2.21 -13.80	64.32 2.58 -21.73	57.97 2.36 -13.99	52.11 2.42 -3.79	48.43 2.59 -0.02	50.18 2.00 -12.27	55.03 2.15 -18.29	81.93 2.21 -46.52
FRESHKLS_33_KV_LOAD 356253	53.44 2.51 0.00	34.88 1.67 0.00	33.88 1.64 0.00	34.57 1.74 0.00	34.96 1.76 0.00	41.57 2.10 0.00	44.47 2.45 -0.01	84.26 3.93 -3.21	48.95 1.90 -11.29	73.54 2.11 -32.04	60.77 2.11 -22.67	53.22 2.18 -10.16	65.30 2.30 -17.70	49.91 1.87 -11.15	48.67 1.83 -11.56	53.86 1.95 -13.64	50.27 1.64 -16.80	47.92 1.85 -6.07	47.61 1.72 -4.26	51.71 1.64 -4.16	66.36 2.30 -18.24	49.79 2.08 -11.81	48.51 2.20 -11.72	35.46 2.24 -0.01
FULTON COGEN____ 23766	49.45 -1.48 0.00	32.27 -0.93 0.00	31.35 -0.89 0.00	31.95 -0.88 0.00	32.32 -0.87 0.00	38.46 -1.01 0.00	40.88 -1.13 0.00	74.96 -2.16 0.00	34.75 -1.01 0.00	38.21 -1.18 0.00	34.96 -1.04 0.00	39.66 -1.22 0.00	43.88 -1.42 0.00	35.72 -1.17 0.00	34.13 -1.15 0.00	37.03 -1.25 0.00	30.80 -1.04 0.00	38.71 -1.30 0.00	40.29 -1.34 0.00	44.59 -1.32 0.00	44.57 -1.25 0.00	34.85 -1.05 0.00	33.59 -1.00 0.00	32.25 -0.96 0.00
FULTON___LFGE 323630	53.30 2.38 0.00	34.70 1.49 0.00	33.70 1.46 0.00	34.32 1.49 0.00	34.73 1.53 0.00	41.41 1.94 0.00	44.27 2.27 0.00	81.37 4.26 0.00	37.71 1.95 0.00	41.49 2.10 0.00	37.90 1.91 0.00	42.99 2.10 0.00	47.59 2.29 0.00	38.66 1.77 0.00	36.92 1.64 0.00	40.02 1.74 0.00	33.27 1.43 0.00	41.97 1.97 0.00	43.77 2.15 0.00	48.45 2.54 0.00	48.43 2.60 0.00	37.81 1.90 0.00	36.33 1.74 0.00	34.79 1.58 0.00
G.F.CEMENT___DRP 24184	52.96 2.03 0.00	34.50 1.30 0.00	33.42 1.18 0.00	34.02 1.19 0.00	34.42 1.22 0.00	40.89 1.42 0.00	43.76 1.76 0.00	80.57 3.45 0.00	37.33 1.58 0.00	41.37 1.98 0.00	37.69 1.69 0.00	43.00 2.11 0.00	47.65 2.35 0.00	38.96 2.07 0.00	37.27 1.99 0.00	40.53 2.25 0.00	33.65 1.81 0.00	42.35 2.34 0.00	44.03 2.41 0.00	48.30 2.40 0.00	48.34 2.51 0.00	37.57 1.67 0.00	36.24 1.64 0.00	34.61 1.40 0.00
GARDENVILLE___LBMP 24039	47.82 -3.10 0.00	31.02 -2.18 0.00	30.24 -2.00 0.00	30.96 -1.87 0.00	31.33 -1.87 0.00	37.52 -1.94 0.00	39.86 -2.14 0.00	72.27 -4.85 0.00	33.31 -2.45 0.00	34.57 -3.18 1.64	32.25 -2.77 0.97	29.07 -3.32 8.50	23.66 -3.75 17.90	16.65 -3.41 16.83	26.97 -3.38 4.93	22.53 -3.64 12.10	24.30 -3.23 4.31	35.09 -3.97 0.94	37.76 -3.86 0.00	42.85 -3.06 0.00	42.80 -3.03 0.00	33.41 -2.50 0.00	32.38 -2.21 0.00	31.00 -2.20 0.00
GARDNVLA_35_KV_LD 355827	47.98 -2.94 0.00	31.10 -2.10 0.00	30.30 -1.94 0.00	31.05 -1.78 0.00	31.42 -1.78 0.00	37.65 -1.82 0.00	40.00 -2.00 0.00	72.50 -4.61 0.00	33.43 -2.33 0.00	34.82 -3.06 1.51	32.37 -2.66 0.97	30.67 -3.22 6.99	26.64 -3.63 15.03	19.82 -3.31 13.76	27.97 -3.28 4.03	24.83 -3.53 9.91	25.12 -3.13 3.59	35.25 -3.82 0.93	37.92 -3.71 0.00	43.03 -2.88 0.00	42.96 -2.86 0.00	33.54 -2.36 0.00	32.51 -2.09 0.00	31.12 -2.08 0.00
GELCKHM___115KV_LOAD 80723	49.90 -1.03 0.00	32.56 -0.64 0.00	31.62 -0.62 0.00	32.23 -0.60 0.00	32.61 -0.59 0.00	38.81 -0.66 0.00	41.27 -0.73 0.00	75.65 -1.47 0.00	35.09 -0.67 0.00	38.60 -0.79 0.00	35.30 -0.70 0.00	40.01 -0.87 0.00	44.30 -1.00 0.00	36.05 -0.85 0.00	34.44 -0.84 0.00	37.37 -0.91 0.00	31.05 -0.79 0.00	39.03 -0.98 0.00	40.65 -0.98 0.00	44.97 -0.94 0.00	44.96 -0.86 0.00	35.16 -0.74 0.00	33.89 -0.70 0.00	32.53 -0.68 0.00
GENERAL___MILLS 23808	47.92 -3.00 0.00	31.07 -2.13 0.00	30.28 -1.97 0.00	31.02 -1.81 0.00	31.38 -1.81 0.00	37.61 -1.86 0.00	39.95 -2.05 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.74 -3.11 1.54	32.33 -2.70 0.97	30.22 -3.26 7.40	25.82 -3.67 15.81	18.95 -3.34 14.59	27.69 -3.31 4.28	24.19 -3.58 10.51	24.88 -3.17 3.79	35.19 -3.88 0.94	37.85 -3.77 0.00	42.95 -2.96 0.00	42.89 -2.93 0.00	33.48 -2.42 0.00	32.45 -2.14 0.00	31.08 -2.13 0.00
GE_PLASTICS___DRP 24183	51.54 0.61 0.00	33.64 0.44 0.00	32.64 0.40 0.00	33.22 0.39 0.00	33.55 0.36 0.00	39.74 0.27 0.00	42.33 0.32 0.00	77.85 0.73 0.00	36.18 0.42 0.00	39.88 0.49 0.00	36.44 0.44 0.00	41.39 0.51 0.00	45.87 0.57 0.00	37.53 0.64 0.00	35.88 0.59 0.00	38.98 0.70 0.00	32.41 0.58 0.00	40.65 0.65 0.00	42.21 0.58 0.00	46.37 0.46 0.00	46.45 0.63 0.00	36.36 0.45 0.00	35.10 0.50 0.00	33.69 0.48 0.00
GILBOA___1 23756	51.70 0.78 0.00	33.69 0.49 0.00	32.79 0.55 0.00	33.39 0.56 0.00	33.73 0.54 0.00	40.03 0.56 0.00	42.55 0.55 0.00	78.25 1.13 0.00	36.36 0.61 0.00	40.09 0.70 0.00	36.62 0.63 0.00	41.61 0.73 0.00	46.07 0.77 0.00	37.58 0.68 0.00	35.94 0.65 0.00	39.01 0.73 0.00	32.44 0.61 0.00	40.69 0.68 0.00	42.26 0.64 0.00	46.48 0.57 0.00	46.59 0.76 0.00	36.47 0.57 0.00	35.23 0.64 0.00	33.83 0.62 0.00
GILBOA___2 23757	51.70 0.78 0.00	33.69 0.49 0.00	32.79 0.55 0.00	33.39 0.56 0.00	33.73 0.54 0.00	40.03 0.56 0.00	42.55 0.55 0.00	78.25 1.13 0.00	36.36 0.61 0.00	40.09 0.70 0.00	36.62 0.63 0.00	41.61 0.73 0.00	46.07 0.77 0.00	37.58 0.68 0.00	35.94 0.65 0.00	39.01 0.73 0.00	32.44 0.61 0.00	40.69 0.68 0.00	42.26 0.64 0.00	46.48 0.57 0.00	46.59 0.76 0.00	36.47 0.57 0.00	35.23 0.64 0.00	33.83 0.62 0.00
GILBOA___3 23758	51.70 0.78 0.00	33.69 0.49 0.00	32.79 0.55 0.00	33.39 0.56 0.00	33.73 0.54 0.00	40.03 0.56 0.00	42.55 0.55 0.00	78.25 1.13 0.00	36.36 0.61 0.00	40.09 0.70 0.00	36.62 0.63 0.00	41.61 0.73 0.00	46.07 0.77 0.00	37.58 0.68 0.00	35.94 0.65 0.00	39.01 0.73 0.00	32.44 0.61 0.00	40.69 0.68 0.00	42.26 0.64 0.00	46.48 0.57 0.00	46.59 0.76 0.00	36.47 0.57 0.00	35.23 0.64 0.00	33.83 0.62 0.00
GILBOA___4 23759	51.70 0.78 0.00	33.69 0.49 0.00	32.79 0.55 0.00	33.39 0.56 0.00	33.73 0.54 0.00	40.03 0.56 0.00	42.55 0.55 0.00	78.25 1.13 0.00	36.36 0.61 0.00	40.09 0.70 0.00	36.62 0.63 0.00	41.61 0.73 0.00	46.07 0.77 0.00	37.58 0.68 0.00	35.94 0.65 0.00	39.01 0.73 0.00	32.44 0.61 0.00	40.69 0.68 0.00	42.26 0.64 0.00	46.48 0.57 0.00	46.59 0.76 0.00	36.47 0.57 0.00	35.23 0.64 0.00	33.83 0.62 0.00



GOUDEY___7 23579	50.64 -0.29 0.00	32.96 -0.24 0.00	32.03 -0.21 0.00	32.69 -0.14 0.00	33.05 -0.14 0.00	39.39 -0.08 0.00	41.89 -0.11 0.00	76.79 -0.33 0.00	35.64 -0.12 0.00	38.55 -0.18 0.66	35.14 -0.19 0.66	40.51 -0.23 0.15	43.55 -0.34 1.42	36.52 -0.37 0.00	34.91 -0.37 0.00	37.85 -0.43 0.00	31.24 -0.45 0.14	38.92 -0.60 0.49	41.08 -0.55 0.00	45.64 -0.27 0.00	45.66 -0.16 0.00	35.70 -0.21 0.00	34.49 -0.10 0.00	32.98 -0.23 0.00
GOUDEY___8 23580	50.64 -0.29 0.00	32.96 -0.24 0.00	32.03 -0.21 0.00	32.69 -0.14 0.00	33.05 -0.14 0.00	39.39 -0.08 0.00	41.89 -0.11 0.00	76.79 -0.33 0.00	35.64 -0.12 0.00	38.55 -0.18 0.66	35.14 -0.19 0.66	40.51 -0.23 0.15	43.55 -0.34 1.42	36.52 -0.37 0.00	34.91 -0.37 0.00	37.85 -0.43 0.00	31.24 -0.45 0.14	38.92 -0.60 0.49	41.08 -0.55 0.00	45.64 -0.27 0.00	45.66 -0.16 0.00	35.70 -0.21 0.00	34.49 -0.10 0.00	32.98 -0.23 0.00
GOWANUS_GT1_1 24077	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01
GOWANUS_GT1_2 24078	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01
GOWANUS_GT1_3 24079	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01
GOWANUS_GT1_4 24080	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01
GOWANUS_GT1_5 24084	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01
GOWANUS_GT1_6 24111	53.59 2.66 0.00																							







HISHELDN_WT_PWR 323625	48.02 -2.91 0.00	31.15 -2.05 0.00	30.36 -1.88 0.00	30.96 -1.87 0.00	31.36 -1.84 0.00	37.60 -1.87 0.00	39.87 -2.13 0.00	72.39 -4.72 0.00	33.39 -2.37 0.00	33.58 -3.12 2.69	32.01 -2.79 1.20	18.66 -3.40 18.82	3.62 -3.87 37.81	-4.12 -3.34 37.67	20.93 -3.32 11.03	7.52 -3.58 27.18	19.38 -3.15 9.31	35.01 -3.83 1.16	37.94 -3.68 0.00	42.96 -2.95 0.00	43.00 -2.82 0.00	33.45 -2.46 0.00	32.36 -2.23 0.00	30.96 -2.24 0.00
HOLTSVILLE_IC_1 23690	54.14 3.21 0.00	35.02 1.83 0.00	33.87 1.63 0.00	34.42 1.59 0.00	34.80 1.61 0.00	41.47 2.00 0.00	44.55 2.54 0.00	81.78 4.66 0.00	38.19 2.44 0.00	42.93 2.79 -0.74	46.70 2.47 -8.22	44.61 2.93 -0.81	44.66 3.01 3.65	43.97 2.73 -4.34	41.42 2.72 -3.42	41.09 2.72 -0.10	34.40 2.27 -0.30	36.99 2.62 5.63	40.08 2.27 3.81	47.10 2.23 1.03	48.15 2.33 0.00	34.42 1.82 3.30	31.93 2.10 4.76	22.78 2.26 12.68
HOLTSVILLE_IC_10 23699	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.95 1.75 0.00	41.65 2.18 0.00	44.76 2.75 0.00	82.17 5.05 0.00	38.40 2.64 0.00	43.22 3.04 -0.79	47.62 2.70 -8.93	45.55 3.19 -1.48	45.24 3.29 3.35	44.55 2.97 -4.69	41.97 2.94 -3.75	41.55 2.95 -0.32	34.80 2.47 -0.49	37.62 2.87 5.25	40.58 2.52 3.57	47.45 2.50 0.96	48.43 2.61 0.00	34.84 2.03 3.09	32.43 2.28 4.44	23.75 2.41 11.87
HOLTSVILLE_IC_2 23691	54.14 3.21 0.00	35.02 1.83 0.00	33.87 1.63 0.00	34.42 1.59 0.00	34.80 1.61 0.00	41.47 2.00 0.00	44.55 2.54 0.00	81.78 4.66 0.00	38.19 2.44 0.00	42.93 2.79 -0.74	46.70 2.47 -8.22	44.61 2.93 -0.81	44.66 3.01 3.65	43.97 2.73 -4.34	41.42 2.72 -3.42	41.09 2.72 -0.10	34.40 2.27 -0.30	36.99 2.62 5.63	40.08 2.27 3.81	47.10 2.23 1.03	48.15 2.33 0.00	34.42 1.82 3.30	31.93 2.10 4.76	22.78 2.26 12.68
HOLTSVILLE_IC_3 23692	54.14 3.21 0.00	35.02 1.83 0.00	33.87 1.63 0.00	34.42 1.59 0.00	34.80 1.61 0.00	41.47 2.00 0.00	44.55 2.54 0.00	81.78 4.66 0.00	38.19 2.44 0.00	42.93 2.79 -0.74	46.70 2.47 -8.22	44.61 2.93 -0.81	44.66 3.01 3.65	43.97 2.73 -4.34	41.42 2.72 -3.42	41.09 2.72 -0.10	34.40 2.27 -0.30	36.99 2.62 5.63	40.08 2.27 3.81	47.10 2.23 1.03	48.15 2.33 0.00	34.42 1.82 3.30	31.93 2.10 4.76	22.78 2.26 12.68
HOLTSVILLE_IC_4 23693	54.14 3.21 0.00	35.02 1.83 0.00	33.87 1.63 0.00	34.42 1.59 0.00	34.80 1.61 0.00	41.47 2.00 0.00	44.55 2.54 0.00	81.78 4.66 0.00	38.19 2.44 0.00	42.93 2.79 -0.74	46.70 2.47 -8.22	44.61 2.93 -0.81	44.66 3.01 3.65	43.97 2.73 -4.34	41.42 2.72 -3.42	41.09 2.72 -0.10	34.40 2.27 -0.30	36.99 2.62 5.63	40.08 2.27 3.81	47.10 2.23 1.03	48.15 2.33 0.00	34.42 1.82 3.30	31.93 2.10 4.76	22.78 2.26 12.68
HOLTSVILLE_IC_5 23694	54.14 3.21 0.00	35.02 1.83 0.00	33.87 1.63 0.00	34.42 1.59 0.00	34.80 1.61 0.00	41.47 2.00 0.00	44.55 2.54 0.00	81.78 4.66 0.00	38.19 2.44 0.00	42.93 2.79 -0.74	46.70 2.47 -8.22	44.61 2.93 -0.81	44.66 3.01 3.65	43.97 2.73 -4.34	41.42 2.72 -3.42	41.09 2.72 -0.10	34.40 2.27 -0.30	36.99 2.62 5.63	40.08 2.27 3.81	47.10 2.23 1.03	48.15 2.33 0.00	34.42 1.82 3.30	31.93 2.10 4.76	22.78 2.26 12.68
HOLTSVILLE_IC_6 23695	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.95 1.75 0.00	41.65 2.18 0.00	44.76 2.75 0.00	82.17 5.05 0.00	38.40 2.64 0.00	43.22 3.04 -0.79	47.62 2.70 -8.93	45.55 3.19 -1.48	45.24 3.29 3.35	44.55 2.97 -4.69	41.97 2.94 -3.75	41.55 2.95 -0.32	34.80 2.47 -0.49	37.62 2.87 5.25	40.58 2.52 3.57	47.45 2.50 0.96	48.43 2.61 0.00	34.84 2.03 3.09	32.43 2.28 4.44	23.75 2.41 11.87
HOLTSVILLE_IC_7 23696	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.95 1.75 0.00	41.65 2.18 0.00	44.76 2.75 0.00	82.17 5.05 0.00	38.40 2.64 0.00	43.22 3.04 -0.79	47.62 2.70 -8.93	45.55 3.19 -1.48	45.24 3.29 3.35	44.55 2.97 -4.69	41.97 2.94 -3.75	41.55 2.95 -0.32	34.80 2.47 -0.49	37.62 2.87 5.25	40.58 2.52 3.57	47.45 2.50 0.96	48.43 2.61 0.00	34.84 2.03 3.09	32.43 2.28 4.44	23.75 2.41 11.87
HOLTSVILLE_IC_8 23697	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.95 1.75 0.00	41.65 2.18 0.00	44.76 2.75 0.00	82.17 5.05 0.00	38.40 2.64 0.00	43.22 3.04 -0.79	47.62 2.70 -8.93	45.55 3.19 -1.48	45.24 3.29 3.35	44.55 2.97 -4.69	41.97 2.94 -3.75	41.55 2.95 -0.32	34.80 2.47 -0.49	37.62 2.87 5.25	40.58 2.52 3.57	47.45 2.50 0.96	48.43 2.61 0.00	34.84 2.03 3.09	32.43 2.28 4.44	23.75 2.41 11.87
HOLTSVILLE_IC_9 23698	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.95 1.75 0.00	41.65 2.18 0.00	44.76 2.75 0.00	82.17 5.05 0.00	38.40 2.64 0.00	43.22 3.04 -0.79	47.62 2.70 -8.93	45.55 3.19 -1.48	45.24 3.29 3.35	44.55 2.97 -4.69	41.97 2.94 -3.75	41.55 2.95 -0.32	34.80 2.47 -0.49	37.62 2.87 5.25	40.58 2.52 3.57	47.45 2.50 0.96	48.43 2.61 0.00	34.84 2.03 3.09	32.43 2.28 4.44	23.75 2.41 11.87
HOMER_HL_115KV_TB2 355744	49.29 -1.64 0.00	32.09 -1.11 0.00	31.32 -0.92 0.00	32.05 -0.78 0.00	32.42 -0.78 0.00	38.62 -0.85 0.00	40.88 -1.12 0.00	74.35 -2.76 0.00	34.43 -1.33 0.00	36.32 -1.71 1.36	33.30 -1.47 1.23	37.27 -1.71 1.89	37.43 -2.02 5.85	31.63 -1.98 3.29	32.29 -2.03 0.96	33.20 -2.27 2.80	28.12 -2.34 1.37	35.90 -2.93 1.17	38.88 -2.74 0.00	44.05 -1.86 0.00	44.21 -1.61 0.00	34.58 -1.33 0.00	33.49 -1.11 0.00	31.95 -1.26 0.00
HOWARD_WT_PWR 323690	49.56 -1.37 0.00	32.13 -1.07 0.00	31.38 -0.86 0.00	31.98 -0.85 0.00	32.33 -0.87 0.00	38.64 -0.83 0.00	40.92 -1.08 0.00	74.76 -2.36 0.00	34.62 -1.14 0.00	36.79 -1.79 0.82	31.71 -1.78 2.51	58.96 -2.27 -20.35	76.45 -2.75 -33.89	76.95 -2.37 -42.43	45.48 -2.23 -12.43	66.44 -2.42 -30.58	38.49 -2.22 -8.88	34.84 -2.73 2.43	39.23 -2.39 0.00	44.25 -1.65 0.00	44.47 -1.35 0.00	34.47 -1.44 0.00	33.14 -1.45 0.00	31.45 -1.76 0.00
HQ_GEN_CEDARS 23644	51.53 0.61 0.00	33.58 0.37 0.00	32.64 0.40 0.00	33.19 0.36 0.00	33.58 0.38 0.00	40.07 0.60 0.00	42.70 0.69 0.00	78.28 1.16 0.00	36.21 0.45 0.00	39.77 0.37 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.89 0.59 0.00	37.38 0.48 0.00	35.77 0.49 0.00	38.68 0.40 0.00	32.27 0.43 0.00	40.71 0.71 0.00	42.50 0.88 0.00	46.75 0.84 0.00	46.38 0.55 0.00	36.65 0.74 0.00	35.13 0.54 0.00	33.70 0.49 0.00
HQ_GEN_CEDARS_PROXY 323590	51.53 0.61 0.00	33.58 0.37 0.00	32.64 0.39 0.00	33.20 0.37 0.00	33.58 0.39 0.00	40.07 0.60 0.00	42.70 0.69 0.00	78.28 1.16 0.00	36.09 0.45 0.11	39.77 0.37 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.89 0.59 0.00	37.37 0.48 0.00	35.77 0.49 0.00	38.68 0.40 0.00	32.27 0.43 0.00	40.71 0.71 0.00	42.50 0.88 0.00	46.75 0.84 0.00	46.38 0.55 0.00	36.65 0.74 0.00	35.13 0.54 0.00	33.70 0.49 0.00





HYLAND___LFGE 323620	50.77 -0.16 0.00	32.92 -0.27 0.00	32.05 -0.19 0.00	32.74 -0.10 0.00	33.16 -0.03 0.00	39.82 0.36 0.00	42.45 0.44 0.00	77.46 0.34 0.00	35.37 -0.39 0.00	38.84 -1.12 -0.57	33.30 -1.38 1.32	62.08 -1.91 -23.11	83.74 -2.26 -40.70	81.94 -2.01 -47.05	47.09 -1.97 -13.78	70.11 -2.16 -33.99	40.37 -1.91 -10.45	36.40 -2.26 1.34	39.63 -2.00 0.00	45.38 -0.54 0.00	45.94 0.12 0.00	35.88 -0.03 0.00	34.48 -0.11 0.00	32.82 -0.39 0.00
INDECK___CORINTH 23802	52.77 1.84 0.00	34.37 1.17 0.00	33.30 1.06 0.00	33.91 1.08 0.00	34.29 1.10 0.00	40.74 1.28 0.00	43.60 1.60 0.00	80.27 3.15 0.00	37.21 1.46 0.00	41.22 1.83 0.00	37.57 1.57 0.00	42.83 1.95 0.00	47.47 2.17 0.00	38.80 1.91 0.00	37.11 1.83 0.00	40.35 2.08 0.00	33.50 1.67 0.00	42.16 2.16 0.00	43.82 2.20 0.00	48.10 2.19 0.00	48.14 2.32 0.00	37.44 1.53 0.00	36.10 1.51 0.00	34.49 1.29 0.00
INDECK___ILION 23567	50.86 -0.07 0.00	33.15 -0.05 0.00	32.17 -0.07 0.00	32.75 -0.08 0.00	33.12 -0.08 0.00	39.34 -0.13 0.00	41.95 -0.06 0.00	77.20 0.08 0.00	35.84 0.08 0.00	39.55 0.16 0.00	36.12 0.13 0.00	41.01 0.13 0.00	45.40 0.10 0.00	37.04 0.15 0.00	35.41 0.13 0.00	38.48 0.20 0.00	31.99 0.16 0.00	40.15 0.14 0.00	41.71 0.09 0.00	45.87 -0.04 0.00	45.91 0.09 0.00	35.91 0.01 0.00	34.64 0.05 0.00	33.19 -0.02 0.00
INDECK___OLEAN 23982	49.29 -1.63 0.00	32.08 -1.12 0.00	31.32 -0.92 0.00	31.96 -0.87 0.00	32.38 -0.81 0.00	38.62 -0.84 0.00	40.88 -1.12 0.00	74.36 -2.75 0.00	34.41 -1.35 0.00	36.30 -1.74 1.36	33.31 -1.46 1.23	37.28 -1.71 1.89	37.45 -2.00 5.85	31.70 -1.90 3.29	32.30 -2.02 0.96	33.24 -2.23 2.80	28.13 -2.33 1.37	35.90 -2.93 1.17	38.86 -2.76 0.00	44.05 -1.86 0.00	44.22 -1.60 0.00	34.56 -1.34 0.00	33.48 -1.11 0.00	31.95 -1.26 0.00
INDECK___OSWEGO 23783	49.30 -1.62 0.00	32.19 -1.01 0.00	31.27 -0.97 0.00	31.85 -0.97 0.00	32.23 -0.97 0.00	38.34 -1.12 0.00	40.74 -1.27 0.00	74.69 -2.42 0.00	34.62 -1.14 0.00	38.09 -1.31 0.00	34.83 -1.17 0.00	39.50 -1.38 0.00	43.73 -1.57 0.00	35.60 -1.30 0.00	34.02 -1.26 0.00	36.90 -1.38 0.00	30.67 -1.16 0.00	38.57 -1.44 0.00	40.14 -1.48 0.00	44.40 -1.51 0.00	44.40 -1.43 0.00	34.72 -1.18 0.00	33.46 -1.13 0.00	32.15 -1.06 0.00
INDECK___YERKES 23781	47.48 -3.45 0.00	30.72 -2.48 0.00	29.95 -2.29 0.00	30.60 -2.22 0.00	31.04 -2.15 0.00	37.28 -2.18 0.00	39.63 -2.37 0.00	71.66 -5.45 0.00	32.91 -2.85 0.00	34.40 -3.65 1.34	32.04 -3.10 0.86	31.12 -3.63 6.14	28.00 -4.03 13.26	21.23 -3.56 12.11	28.08 -3.66 3.55	25.66 -3.90 8.72	25.15 -3.51 3.17	34.78 -4.39 0.84	37.30 -4.33 0.00	42.44 -3.47 0.00	42.38 -3.44 0.00	33.08 -2.82 0.00	32.10 -2.50 0.00	30.75 -2.46 0.00
INDIAN POINT_GT_1 24139	53.01 2.08 0.00	34.40 1.20 0.00	33.31 1.07 0.00	33.89 1.06 0.00	34.26 1.07 0.00	40.73 1.26 0.00	43.66 1.65 0.00	80.42 3.30 0.00	37.50 1.74 0.00	41.34 1.95 0.00	37.79 1.80 0.00	42.94 2.06 0.00	47.51 2.20 0.00	38.70 1.81 0.00	37.00 1.72 0.00	40.15 1.87 0.00	33.40 1.57 0.00	41.83 1.82 0.00	43.35 1.73 0.00	47.64 1.73 0.00	47.92 2.09 0.00	37.48 1.58 0.00	36.27 1.67 0.00	34.81 1.60 0.00
INDIAN POINT_GT_2 23659	53.01 2.08 0.00	34.40 1.20 0.00	33.31 1.07 0.00	33.89 1.06 0.00	34.26 1.07 0.00	40.73 1.26 0.00	43.66 1.65 0.00	80.42 3.30 0.00	37.50 1.74 0.00	41.34 1.95 0.00	37.79 1.80 0.00	42.94 2.06 0.00	47.51 2.20 0.00	38.70 1.81 0.00	37.00 1.72 0.00	40.15 1.87 0.00	33.40 1.57 0.00	41.83 1.82 0.00	43.35 1.73 0.00	47.64 1.73 0.00	47.92 2.09 0.00	37.48 1.58 0.00	36.27 1.67 0.00	34.81 1.60 0.00
INDIAN POINT_GT_3 24019	53.01 2.08 0.00	34.40 1.20 0.00	33.31 1.07 0.00	33.89 1.06 0.00	34.26 1.07 0.00	40.73 1.26 0.00	43.66 1.65 0.00	80.42 3.30 0.00	37.50 1.74 0.00	41.34 1.95 0.00	37.79 1.80 0.00	42.94 2.06 0.00	47.51 2.20 0.00	38.70 1.81 0.00	37.00 1.72 0.00	40.15 1.87 0.00	33.40 1.57 0.00	41.83 1.82 0.00	43.35 1.73 0.00	47.64 1.73 0.00	47.92 2.09 0.00	37.48 1.58 0.00	36.27 1.67 0.00	34.81 1.60 0.00
INDIAN POINT___2 23530	52.98 2.05 0.00	34.39 1.19 0.00	33.29 1.05 0.00	33.89 1.06 0.00	34.25 1.06 0.00	40.71 1.24 0.00	43.63 1.63 0.00	80.38 3.26 0.00	37.47 1.72 0.00	41.32 1.93 0.00	37.76 1.76 0.00	42.90 2.02 0.00	47.46 2.16 0.00	38.65 1.75 0.00	36.96 1.68 0.00	40.11 1.83 0.00	33.37 1.53 0.00	41.79 1.79 0.00	43.33 1.70 0.00	47.60 1.69 0.00	47.87 2.05 0.00	37.45 1.54 0.00	36.23 1.64 0.00	34.78 1.57 0.00
INDIAN POINT___3 23531	52.98 2.05 0.00	34.39 1.19 0.00	33.31 1.07 0.00	33.88 1.05 0.00	34.25 1.06 0.00	40.71 1.24 0.00	43.63 1.63 0.00	80.35 3.23 0.00	37.46 1.70 0.00	41.30 1.91 0.00	37.76 1.76 0.00	42.90 2.02 0.00	47.46 2.16 0.00	38.67 1.77 0.00	36.96 1.68 0.00	40.11 1.83 0.00	33.37 1.54 0.00	41.79 1.78 0.00	43.31 1.69 0.00	47.59 1.69 0.00	47.87 2.05 0.00	37.45 1.54 0.00	36.24 1.65 0.00	34.78 1.57 0.00
INGHAM_C_115KV_TB7 356103	50.61 -0.31 0.00	33.01 -0.19 0.00	31.98 -0.26 0.00	32.56 -0.27 0.00	32.91 -0.28 0.00	39.06 -0.40 0.00	41.72 -0.28 0.00	76.99 -0.12 0.00	35.81 0.05 0.00	39.61 0.21 0.00	36.11 0.11 0.00	41.01 0.13 0.00	45.38 0.08 0.00	37.11 0.21 0.00	35.45 0.17 0.00	38.59 0.32 0.00	32.10 0.26 0.00	40.23 0.22 0.00	41.73 0.11 0.00	45.70 -0.21 0.00	45.84 0.02 0.00	35.83 -0.08 0.00	34.58 -0.01 0.00	33.06 -0.15 0.00
IP CORINTH___1 23988	52.77 1.84 0.00	34.37 1.17 0.00	33.30 1.06 0.00	33.90 1.07 0.00	34.29 1.09 0.00	40.74 1.28 0.00	43.60 1.60 0.00	80.27 3.15 0.00	37.22 1.46 0.00	41.21 1.82 0.00	37.57 1.57 0.00	42.83 1.95 0.00	47.47 2.17 0.00	38.82 1.92 0.00	37.11 1.83 0.00	40.36 2.08 0.00	33.50 1.67 0.00	42.16 2.16 0.00	43.83 2.20 0.00	48.10 2.19 0.00	48.14 2.32 0.00	37.44 1.53 0.00	36.10 1.51 0.00	34.50 1.29 0.00
IP___TICONDEROGA 23804	54.11 3.18 0.00	35.30 2.10 0.00	34.15 1.91 0.00	34.76 1.93 0.00	35.21 2.01 0.00	41.80 2.34 0.00	45.08 3.07 0.00	82.82 5.70 0.00	38.25 2.50 0.00	42.79 3.39 0.00	38.93 2.94 0.00	44.55 3.66 0.00	49.37 4.07 0.00	40.34 3.44 0.00	38.71 3.43 0.00	42.02 3.74 0.00	34.73 2.90 0.00	43.99 3.99 0.00	45.79 4.16 0.00	49.94 4.03 0.00	49.97 4.15 0.00	38.40 2.49 0.00	37.08 2.48 0.00	35.22 2.01 0.00
ISLIP_RES_REC 323679	54.57 3.64 0.00	35.27 2.07 0.00	34.10 1.86 0.00	34.65 1.82 0.00	35.05 1.85 0.00	41.78 2.31 0.00	44.89 2.89 0.00	82.44 5.33 0.00	38.54 2.78 0.00	43.43 3.22 -0.82	48.30 2.87 -9.43	46.23 3.37 -1.98	45.65 3.48 3.14	44.98 3.15 -4.93	42.35 3.10 -3.97	41.87 3.12 -0.47	35.07 2.61 -0.63	38.06 3.05 4.99	40.94 2.71 3.40	47.69 2.70 0.92	48.63 2.81 0.00	35.13 2.17 2.94	32.78 2.40 4.21	24.43 2.52 11.30

JAMAICA__27_KV_LOAD 355505	53.17 2.25 0.00	34.38 1.18 0.01	30.48 1.02 2.78	33.82 1.00 0.01	34.17 0.98 0.01	40.62 1.16 0.01	43.68 1.68 0.00	80.62 3.50 0.00	37.57 1.82 0.00	41.42 2.02 0.00	39.52 1.86 -1.67	45.18 2.35 -1.94	47.90 2.56 -0.04	39.59 2.04 -0.66	37.81 2.01 -0.51	40.68 2.18 -0.23	33.82 1.85 -0.13	42.40 2.06 -0.33	43.61 1.99 0.00	47.85 1.95 0.00	48.20 2.37 0.00	37.75 1.84 0.00	36.54 1.94 0.00	35.11 1.90 0.00
JANIS__SOLAR 323808	52.52 1.60 0.00	34.15 0.95 0.00	33.16 0.92 0.00	33.83 1.00 0.00	34.24 1.05 0.00	40.96 1.49 0.00	43.75 1.74 0.00	80.41 3.29 0.00	37.87 2.12 0.00	44.33 2.24 -2.70	40.46 1.88 -2.58	44.88 1.82 -2.18	56.26 1.79 -9.17	41.05 0.86 -3.30	36.96 0.71 -0.97	41.52 0.86 -2.38	34.26 0.70 -1.73	43.18 0.88 -2.30	42.62 1.00 0.00	47.36 1.45 0.00	47.33 1.51 0.00	36.97 1.07 0.00	35.48 0.88 0.00	33.75 0.54 0.00
JARVIS____ 23743	50.85 -0.07 0.00	33.15 -0.04 0.00	32.19 -0.05 0.00	32.79 -0.03 0.00	33.14 -0.06 0.00	39.39 -0.08 0.00	41.92 -0.09 0.00	76.99 -0.13 0.00	35.72 -0.04 0.00	39.37 -0.03 0.00	35.97 -0.03 0.00	40.85 -0.04 0.00	45.26 -0.05 0.00	36.86 -0.04 0.00	35.24 -0.04 0.00	38.25 -0.03 0.00	31.80 -0.03 0.00	39.96 -0.05 0.00	41.55 -0.08 0.00	45.79 -0.12 0.00	45.78 -0.05 0.00	35.84 -0.07 0.00	34.56 -0.03 0.00	33.18 -0.03 0.00
JENNISON____1 23625	52.71 1.79 0.00	34.24 1.05 0.00	33.20 0.96 0.00	33.97 1.15 0.00	34.38 1.18 0.00	41.05 1.58 0.00	43.77 1.77 0.00	80.53 3.41 0.00	39.27 3.52 0.00	44.48 3.85 -1.23	40.55 3.33 -1.23	44.67 3.39 -0.40	52.91 3.24 -4.37	37.92 1.02 0.00	36.07 0.79 0.00	39.14 0.86 0.00	32.63 0.57 -0.22	41.16 0.69 -0.47	42.43 0.81 0.00	46.91 1.00 0.00	46.90 1.08 0.00	36.72 0.82 0.00	35.26 0.66 0.00	33.47 0.26 0.00
JENNISON____2 23626	52.71 1.79 0.00	34.24 1.05 0.00	33.20 0.96 0.00	33.97 1.15 0.00	34.38 1.18 0.00	41.05 1.58 0.00	43.77 1.77 0.00	80.53 3.41 0.00	39.27 3.52 0.00	44.48 3.85 -1.23	40.55 3.33 -1.23	44.67 3.39 -0.40	52.91 3.24 -4.37	37.92 1.02 0.00	36.07 0.79 0.00	39.14 0.86 0.00	32.63 0.57 -0.22	41.16 0.69 -0.47	42.43 0.81 0.00	46.91 1.00 0.00	46.90 1.08 0.00	36.72 0.82 0.00	35.26 0.66 0.00	33.47 0.26 0.00
JERICOHO_RISE_WT_PWR 323719	51.45 0.52 0.00	33.53 0.33 0.00	32.56 0.32 0.00	33.12 0.29 0.00	33.52 0.33 0.00	39.99 0.52 0.00	42.60 0.60 0.00	78.15 1.03 0.00	36.16 0.40 0.00	39.76 0.37 0.00	36.29 0.30 0.00	41.32 0.44 0.00	45.91 0.61 0.00	37.36 0.46 0.00	35.76 0.48 0.00	38.70 0.43 0.00	32.28 0.45 0.00	40.69 0.68 0.00	42.46 0.84 0.00	46.97 1.06 0.00	46.63 0.81 0.00	36.57 0.67 0.00	35.06 0.46 0.00	33.63 0.42 0.00
KATONAH__115KV_46KV_TB4 355592	53.22 2.29 0.00	34.55 1.35 0.00	33.47 1.22 0.00	34.04 1.21 0.00	34.41 1.22 0.00	40.91 1.44 0.00	43.85 1.85 0.00	80.79 3.67 0.00	37.69 1.93 0.00	41.56 2.17 0.00	38.01 2.01 0.00	43.17 2.29 0.00	47.77 2.47 0.00	38.92 2.03 0.00	37.21 1.93 0.00	40.38 2.10 0.00	33.59 1.75 0.00	42.05 2.05 0.00	43.60 1.98 0.00	47.90 1.99 0.00	48.14 2.32 0.00	37.66 1.75 0.00	36.41 1.82 0.00	34.94 1.73 0.00
KCE_NY_1 323755	52.78 1.85 0.00	34.37 1.17 0.00	33.33 1.09 0.00	33.93 1.10 0.00	34.30 1.11 0.00	40.72 1.26 0.00	43.50 1.49 0.00	80.03 2.91 0.00	37.10 1.34 0.00	41.00 1.61 0.00	37.35 1.35 0.00	42.57 1.68 0.00	47.15 1.85 0.00	38.56 1.67 0.00	36.89 1.61 0.00	40.10 1.83 0.00	33.31 1.47 0.00	41.84 1.84 0.00	43.52 1.90 0.00	47.79 1.88 0.00	47.85 2.02 0.00	37.35 1.44 0.00	36.06 1.46 0.00	34.53 1.32 0.00
KCE_NY_6_ESR 323823	47.95 -2.98 0.00	31.07 -2.13 0.00	30.30 -1.94 0.00	30.93 -1.90 0.00	31.36 -1.84 0.00	37.64 -1.82 0.00	39.99 -2.02 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.73 -3.12 1.54	32.34 -2.70 0.97	30.22 -3.26 7.40	25.85 -3.64 15.81	19.02 -3.28 14.59	27.70 -3.30 4.28	24.26 -3.51 10.51	24.90 -3.14 3.79	35.19 -3.87 0.94	37.83 -3.80 0.00	42.93 -2.98 0.00	42.90 -2.92 0.00	33.48 -2.43 0.00	32.45 -2.14 0.00	31.09 -2.11 0.00
KEDC PORT_JEFF_GT2 24210	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.94 1.75 0.00	41.64 2.17 0.00	44.75 2.74 0.00	82.16 5.05 0.00	38.39 2.63 0.00	43.18 3.02 -0.77	47.31 2.67 -8.64	45.25 3.16 -1.21	45.09 3.26 3.48	44.40 2.95 -4.55	41.83 2.92 -3.63	41.45 2.93 -0.24	34.72 2.45 -0.42	37.47 2.85 5.39	40.49 2.52 3.66	47.42 2.50 0.99	48.43 2.61 0.00	34.76 2.02 3.17	32.31 2.27 4.55	23.45 2.40 12.16
KEDC PORT_JEFF_GT3 24211	54.40 3.47 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.56 1.73 0.00	34.94 1.75 0.00	41.64 2.17 0.00	44.75 2.74 0.00	82.16 5.05 0.00	38.39 2.63 0.00	43.18 3.02 -0.77	47.31 2.67 -8.64	45.25 3.16 -1.21	45.09 3.26 3.48	44.40 2.95 -4.55	41.83 2.92 -3.63	41.45 2.93 -0.24	34.72 2.45 -0.42	37.47 2.85 5.39	40.49 2.52 3.66	47.42 2.50 0.99	48.43 2.61 0.00	34.76 2.02 3.17	32.31 2.27 4.55	23.45 2.40 12.16
KEDC_GLWD_GT4 24219	53.75 2.82 0.00	34.84 1.64 0.00	33.72 1.48 0.00	34.30 1.47 0.00	34.66 1.47 0.00	41.24 1.77 0.00	44.22 2.22 0.00	81.34 4.22 0.00	38.03 2.27 0.00	45.44 2.58 -3.47	88.39 2.38 -50.01	82.22 2.63 -38.71	59.01 2.90 -10.82	64.00 2.40 -24.70	59.33 2.29 -21.75	52.26 2.52 -11.47	44.34 2.09 -10.41	54.37 2.46 -11.91	51.25 2.29 -7.33	50.22 2.32 -1.99	48.27 2.44 -0.01	44.20 1.85 -6.45	46.23 1.98 -9.66	59.66 2.06 -24.39
KEDC_GLWD_GT5 24220	53.75 2.82 0.00	34.84 1.64 0.00	33.72 1.48 0.00	34.30 1.47 0.00	34.66 1.47 0.00	41.24 1.77 0.00	44.22 2.22 0.00	81.34 4.22 0.00	38.03 2.27 0.00	45.44 2.58 -3.47	88.39 2.38 -50.01	82.22 2.63 -38.71	59.01 2.90 -10.82	64.00 2.40 -24.70	59.33 2.29 -21.75	52.26 2.52 -11.47	44.34 2.09 -10.41	54.37 2.46 -11.91	51.25 2.29 -7.33	50.22 2.32 -1.99	48.27 2.44 -0.01	44.20 1.85 -6.45	46.23 1.98 -9.66	59.66 2.06 -24.39
KENSICO____ 23655	53.20 2.27 0.00	34.53 1.33 0.00	33.43 1.20 0.00	34.00 1.18 0.00	34.37 1.18 0.00	40.86 1.39 0.00	43.80 1.80 0.00	80.69 3.58 0.00	37.64 1.88 0.00	41.50 2.11 0.00	37.94 1.94 0.00	43.10 2.22 0.00	47.67 2.37 0.00	38.85 1.96 0.00	37.15 1.87 0.00	40.30 2.02 0.00	33.52 1.69 0.00	41.96 1.95 0.00	43.50 1.87 0.00	47.77 1.86 0.00	48.03 2.21 0.00	37.55 1.65 0.00	36.34 1.74 0.00	34.90 1.69 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	53.55 2.62 0.00	34.77 1.57 0.00	33.69 1.45 0.00	34.28 1.45 0.00	34.66 1.47 0.00	41.25 1.78 0.00	44.21 2.21 0.00	81.47 4.36 0.00	37.99 2.24 0.00	41.92 2.52 0.00	38.31 2.31 0.00	43.54 2.66 0.00	48.16 2.86 0.00	39.15 2.26 0.00	37.41 2.13 0.00	40.58 2.30 0.00	33.76 1.93 0.00	42.34 2.33 0.00	43.97 2.34 0.00	48.40 2.49 0.00	48.62 2.80 0.00	37.99 2.09 0.00	36.71 2.11 0.00	35.18 1.97 0.00

KIAC_JFK_GT1 23816	52.89 1.96 0.00	34.19 1.00 0.01	30.32 0.85 2.78	33.65 0.82 0.01	34.00 0.81 0.01	40.37 0.91 0.01	43.30 1.29 0.00	79.87 2.75 0.00	37.24 1.48 0.00	41.04 1.65 0.00	39.30 1.64 -1.67	44.94 2.12 -1.94	47.64 2.30 -0.04	39.39 1.84 -0.66	37.62 1.83 -0.51	40.45 1.95 -0.23	33.60 1.63 -0.13	42.04 1.70 -0.33	43.23 1.60 0.00	47.42 1.51 0.00	47.76 1.94 0.00	37.41 1.50 0.00	36.32 1.73 0.00	34.93 1.72 0.00
KIAC_JFK_GT2 23817	52.89 1.96 0.00	34.19 1.00 0.01	30.32 0.85 2.78	33.65 0.82 0.01	34.00 0.81 0.01	40.37 0.91 0.01	43.30 1.29 0.00	79.87 2.75 0.00	37.24 1.48 0.00	41.04 1.65 0.00	39.30 1.64 -1.67	44.94 2.12 -1.94	47.64 2.30 -0.04	39.39 1.84 -0.66	37.62 1.83 -0.51	40.45 1.95 -0.23	33.60 1.63 -0.13	42.04 1.70 -0.33	43.23 1.60 0.00	47.42 1.51 0.00	47.76 1.94 0.00	37.41 1.50 0.00	36.32 1.73 0.00	34.93 1.72 0.00
KIAC_JFK____ 323774	52.89 1.97 0.00	34.20 1.00 0.01	30.32 0.85 2.78	33.66 0.84 0.01	34.00 0.81 0.01	40.36 0.90 0.01	43.30 1.29 0.00	79.87 2.76 0.00	37.24 1.49 0.00	41.05 1.66 0.00	39.32 1.66 -1.67	44.96 2.14 -1.94	47.64 2.30 -0.04	39.42 1.87 -0.66	37.63 1.84 -0.51	40.45 1.95 -0.23	33.60 1.63 -0.13	42.05 1.71 -0.33	43.23 1.61 0.00	47.42 1.51 0.00	47.75 1.93 0.00	37.42 1.51 0.00	36.32 1.73 0.00	34.93 1.72 0.00
KINTIGH__24_KV_GSU 356498	47.44 -3.49 0.00	30.79 -2.41 0.00	30.01 -2.23 0.00	30.73 -2.10 0.00	31.12 -2.08 0.00	37.22 -2.25 0.00	39.57 -2.44 0.00	71.81 -5.31 0.00	33.05 -2.70 0.00	35.05 -3.38 0.95	32.43 -2.91 0.67	33.62 -3.53 3.73	32.98 -3.93 8.39	26.06 -3.49 7.35	29.68 -3.45 2.15	29.22 -3.78 5.28	26.58 -3.28 1.98	35.33 -4.02 0.66	37.67 -3.96 0.00	42.59 -3.32 0.00	42.54 -3.28 0.00	33.25 -2.66 0.00	32.18 -2.42 0.00	30.85 -2.36 0.00
KINTIGH____ 23543	47.39 -3.54 0.00	30.76 -2.44 0.00	29.98 -2.26 0.00	30.70 -2.13 0.00	31.08 -2.11 0.00	37.19 -2.28 0.00	39.53 -2.48 0.00	71.75 -5.37 0.00	33.03 -2.73 0.00	35.02 -3.42 0.95	32.40 -2.93 0.67	33.58 -3.57 3.73	32.94 -3.98 8.39	26.03 -3.52 7.35	29.65 -3.48 2.15	29.18 -3.81 5.28	26.55 -3.31 1.98	35.30 -4.05 0.66	37.63 -3.99 0.00	42.54 -3.36 0.00	42.49 -3.33 0.00	33.22 -2.69 0.00	32.14 -2.45 0.00	30.82 -2.39 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	52.60 1.67 0.00	34.28 1.08 0.00	33.22 0.98 0.00	33.81 0.98 0.00	34.24 1.05 0.00	40.85 1.38 0.00	43.59 1.58 0.00	80.00 2.88 0.00	36.87 1.11 0.00	40.31 0.92 0.00	36.76 0.77 0.00	41.90 1.02 0.00	46.51 1.21 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.23 0.95 0.00	32.70 0.87 0.00	41.16 1.15 0.00	42.96 1.33 0.00	47.54 1.63 0.00	47.29 1.47 0.00	36.99 1.09 0.00	35.44 0.85 0.00	33.99 0.78 0.00
LACHUTE____HYDRO 323717	54.11 3.18 0.00	35.30 2.10 0.00	34.15 1.91 0.00	34.76 1.93 0.00	35.21 2.02 0.00	41.80 2.33 0.00	45.08 3.08 0.00	82.82 5.70 0.00	38.25 2.50 0.00	42.79 3.39 0.00	38.93 2.94 0.00	44.54 3.66 0.00	49.37 4.07 0.00	40.34 3.44 0.00	38.71 3.43 0.00	42.01 3.74 0.00	34.73 2.90 0.00	43.99 3.99 0.00	45.79 4.16 0.00	49.94 4.03 0.00	49.97 4.15 0.00	38.40 2.50 0.00	37.08 2.48 0.00	35.22 2.01 0.00
LAWRNCALV_115KV_TB1 80681	50.70 -0.23 0.00	33.03 -0.17 0.00	32.10 -0.14 0.00	32.65 -0.18 0.00	33.05 -0.15 0.00	39.44 -0.03 0.00	42.06 0.05 0.00	77.13 0.01 0.00	35.67 -0.08 0.00	39.17 -0.22 0.00	35.76 -0.23 0.00	40.65 -0.23 0.00	45.18 -0.12 0.00	36.88 -0.02 0.00	35.28 0.00 0.00	38.07 -0.21 0.00	31.77 -0.06 0.00	40.12 0.12 0.00	41.91 0.28 0.00	46.17 0.26 0.00	45.83 0.01 0.00	36.17 0.27 0.00	34.64 0.04 0.00	33.20 -0.01 0.00
LEDERLE____ 23769	53.18 2.25 0.00	34.50 1.30 0.00	33.40 1.16 0.00	33.99 1.16 0.00	34.36 1.17 0.00	40.86 1.39 0.00	43.80 1.80 0.00	80.73 3.61 0.00	37.63 1.87 0.00	41.50 2.11 0.00	37.94 1.94 0.00	43.11 2.22 0.00	47.69 2.39 0.00	38.84 1.94 0.00	37.12 1.84 0.00	40.29 2.01 0.00	33.52 1.68 0.00	41.98 1.98 0.00	43.54 1.91 0.00	47.86 1.95 0.00	48.15 2.32 0.00	37.65 1.74 0.00	36.42 1.83 0.00	34.92 1.71 0.00
LIGHTHSE_115KV_TB6 355974	49.65 -1.28 0.00	32.39 -0.81 0.00	31.48 -0.76 0.00	32.09 -0.74 0.00	32.47 -0.72 0.00	38.65 -0.82 0.00	41.14 -0.86 0.00	75.46 -1.66 0.00	34.98 -0.78 0.00	38.46 -0.94 0.00	35.16 -0.84 0.00	39.86 -1.03 0.00	44.08 -1.22 0.00	35.88 -1.01 0.00	34.27 -1.01 0.00	37.17 -1.10 0.00	30.88 -0.95 0.00	38.89 -1.12 0.00	40.52 -1.10 0.00	44.91 -0.99 0.00	45.02 -0.81 0.00	35.18 -0.72 0.00	33.83 -0.77 0.00	32.44 -0.77 0.00
LINDEN COGEN____ 23786	50.67 2.25 2.50	26.46 1.28 8.02	26.46 1.11 6.89	26.46 1.10 7.47	26.46 1.09 7.83	26.46 1.28 14.29	26.46 1.74 17.28	26.46 3.53 54.19	26.46 1.91 11.21	13.15 2.12 28.36	-1304.03 1.94 1341.97	13.39 2.26 29.76	26.16 2.41 21.55	12.19 1.96 26.67	12.19 1.87 24.96	26.79 2.02 13.50	12.80 1.72 20.75	10.58 1.97 31.39	10.20 1.86 33.28	10.48 1.80 37.23	14.04 2.21 33.99	10.00 1.64 27.55	10.00 1.75 26.34	27.56 1.69 7.34
LINDHRST_69_KV_BK1 356055	54.23 3.30 0.00	35.09 1.89 0.00	33.93 1.69 0.00	34.47 1.64 0.00	34.86 1.66 0.00	41.54 2.07 0.00	44.60 2.59 0.00	81.96 4.84 0.00	38.30 2.55 0.00	44.00 2.95 -1.66	60.89 2.73 -22.17	58.47 3.17 -14.41	50.99 3.30 -2.39	50.86 2.94 -11.02	46.74 2.87 -8.59	44.74 2.93 -3.53	37.60 2.42 -3.35	43.08 2.81 -0.26	44.16 2.53 0.00	48.48 2.57 0.00	48.58 2.76 0.00	38.27 2.16 -0.20	38.06 2.34 -1.12	35.57 2.36 0.00
LIPA_MISC_IPP 23656	54.38 3.46 0.00	35.16 1.96 0.00	34.00 1.76 0.00	34.53 1.70 0.00	34.93 1.74 0.00	41.64 2.17 0.00	44.74 2.74 0.00	82.12 5.00 0.00	38.33 2.57 0.00	43.07 2.93 -0.75	46.92 2.58 -8.34	44.89 3.09 -0.92	44.85 3.15 3.60	44.25 2.95 -4.40	41.64 2.89 -3.47	41.27 2.85 -0.14	34.61 2.44 -0.33	37.26 2.82 5.57	40.25 2.40 3.78	47.20 2.32 1.02	48.25 2.44 0.00	34.55 1.92 3.27	32.11 2.22 4.71	23.02 2.36 12.56
LISF____SOLAR 323691	54.46 3.53 0.00	35.20 2.00 0.00	34.04 1.80 0.00	34.59 1.76 0.00	34.98 1.78 0.00	41.70 2.23 0.00	44.81 2.80 0.00	82.21 5.10 0.00	38.39 2.63 0.00	43.15 3.01 -0.76	47.13 2.66 -8.47	45.09 3.17 -1.05	44.99 3.24 3.54	44.35 2.99 -4.47	41.77 2.95 -3.53	41.38 2.93 -0.18	34.70 2.50 -0.37	37.41 2.91 5.50	40.39 2.49 3.73	47.31 2.41 1.01	48.33 2.52 0.00	34.63 1.96 3.23	32.17 2.23 4.65	23.21 2.41 12.41
LITTLE FALLS____HYD 24013	50.61 -0.31 0.00	33.01 -0.19 0.00	31.98 -0.26 0.00	32.56 -0.27 0.00	32.91 -0.28 0.00	39.06 -0.40 0.00	41.72 -0.28 0.00	76.99 -0.12 0.00	35.81 0.05 0.00	39.61 0.21 0.00	36.11 0.11 0.00	41.01 0.13 0.00	45.38 0.08 0.00	37.11 0.21 0.00	35.45 0.17 0.00	38.59 0.32 0.00	32.10 0.26 0.00	40.23 0.22 0.00	41.73 0.11 0.00	45.70 -0.21 0.00	45.84 0.02 0.00	35.83 -0.08 0.00	34.58 -0.01 0.00	33.06 -0.15 0.00

LITTLRIV_115KV_TB1 356100	51.39 0.47 0.00	33.48 0.27 0.00	32.54 0.29 0.00	33.10 0.27 0.00	33.51 0.31 0.00	40.02 0.56 0.00	42.73 0.73 0.00	78.34 1.22 0.00	36.18 0.42 0.00	39.67 0.28 0.00	36.23 0.23 0.00	41.15 0.27 0.00	45.68 0.38 0.00	37.26 0.37 0.00	35.67 0.39 0.00	38.48 0.21 0.00	32.16 0.32 0.00	40.66 0.65 0.00	42.51 0.88 0.00	46.93 1.02 0.00	46.62 0.80 0.00	36.77 0.86 0.00	35.17 0.58 0.00	33.69 0.48 0.00
LI_NEWBRDGE___DRP 323616	53.53 2.61 0.00	34.67 1.47 0.00	33.56 1.32 0.00	34.10 1.27 0.00	34.47 1.27 0.00	41.06 1.59 0.00	44.03 2.02 0.00	80.88 3.76 0.00	37.81 2.05 0.00	41.90 2.35 -0.15	37.31 2.20 0.88	35.45 2.58 8.01	40.53 2.67 7.43	39.25 2.32 -0.04	37.81 2.27 -0.25	38.62 2.35 2.01	32.24 1.97 1.56	32.96 2.24 9.28	37.45 1.99 6.16	46.25 2.01 1.67	48.00 2.19 0.01	32.24 1.71 5.37	28.66 1.93 7.86	14.64 1.93 20.49
LOCKPORT_115KV_TB60_63_64 80432	46.91 -4.02 0.00	30.35 -2.85 0.00	29.59 -2.64 0.00	30.38 -2.45 0.00	30.77 -2.43 0.00	36.90 -2.57 0.00	39.23 -2.78 0.00	70.92 -6.20 0.00	32.59 -3.16 0.00	34.17 -4.01 1.21	31.77 -3.43 0.80	31.55 -3.99 5.35	29.19 -4.44 11.67	22.42 -3.95 10.53	28.23 -3.96 3.09	26.42 -4.26 7.59	25.25 -3.80 2.78	34.46 -4.76 0.78	36.87 -4.75 0.00	41.95 -3.96 0.00	41.92 -3.90 0.00	32.76 -3.15 0.00	31.81 -2.79 0.00	30.49 -2.71 0.00
LOCKPORT___CC1 323769	46.92 -4.01 0.00	30.35 -2.85 0.00	29.61 -2.63 0.00	30.28 -2.55 0.00	30.72 -2.47 0.00	36.91 -2.56 0.00	39.22 -2.78 0.00	70.91 -6.21 0.00	32.58 -3.18 0.00	34.11 -4.03 1.26	31.76 -3.42 0.81	31.13 -4.02 5.73	28.44 -4.44 12.42	21.70 -3.88 11.31	28.00 -3.97 3.32	25.89 -4.24 8.15	25.07 -3.80 2.97	34.47 -4.74 0.79	36.88 -4.74 0.00	41.97 -3.94 0.00	41.94 -3.88 0.00	32.74 -3.17 0.00	31.80 -2.79 0.00	30.49 -2.72 0.00
LOCKPORT___CC2 323770	46.92 -4.01 0.00	30.35 -2.85 0.00	29.61 -2.63 0.00	30.28 -2.55 0.00	30.72 -2.47 0.00	36.91 -2.56 0.00	39.22 -2.78 0.00	70.91 -6.21 0.00	32.58 -3.18 0.00	34.11 -4.03 1.26	31.76 -3.42 0.81	31.13 -4.02 5.73	28.44 -4.44 12.42	21.70 -3.88 11.31	28.00 -3.97 3.32	25.89 -4.24 8.15	25.07 -3.80 2.97	34.47 -4.74 0.79	36.88 -4.74 0.00	41.97 -3.94 0.00	41.94 -3.88 0.00	32.74 -3.17 0.00	31.80 -2.79 0.00	30.49 -2.72 0.00
LOCKPORT___CC3 323771	46.92 -4.01 0.00	30.35 -2.85 0.00	29.61 -2.63 0.00	30.28 -2.55 0.00	30.72 -2.47 0.00	36.91 -2.56 0.00	39.22 -2.78 0.00	70.91 -6.21 0.00	32.58 -3.18 0.00	34.11 -4.03 1.26	31.76 -3.42 0.81	31.13 -4.02 5.73	28.44 -4.44 12.42	21.70 -3.88 11.31	28.00 -3.97 3.32	25.89 -4.24 8.15	25.07 -3.80 2.97	34.47 -4.74 0.79	36.88 -4.74 0.00	41.97 -3.94 0.00	41.94 -3.88 0.00	32.74 -3.17 0.00	31.80 -2.79 0.00	30.49 -2.72 0.00
LOCUSVLY_69_KV_BK2 55797	53.93 3.00 0.00	34.93 1.74 0.00	33.81 1.57 0.00	34.36 1.53 0.00	34.74 1.54 0.00	41.36 1.89 0.00	44.36 2.35 0.00	81.58 4.46 0.00	38.13 2.38 0.00	44.91 2.72 -2.80	78.05 2.51 -39.54	73.10 2.89 -29.33	55.78 3.05 -7.43	59.13 2.61 -19.63	55.03 2.49 -17.26	49.65 2.64 -8.74	42.03 2.21 -7.99	50.41 2.58 -7.83	48.77 2.37 -4.78	49.64 2.44 -1.30	48.43 2.60 -0.01	42.11 1.98 -4.22	43.13 2.15 -6.39	51.27 2.16 -15.90
LONG_LAKE_PHOENIX 24014	49.45 -1.48 0.00	32.27 -0.93 0.00	31.35 -0.89 0.00	31.95 -0.88 0.00	32.32 -0.87 0.00	38.46 -1.01 0.00	40.88 -1.13 0.00	74.96 -2.16 0.00	34.75 -1.01 0.00	38.21 -1.18 0.00	34.96 -1.04 0.00	39.66 -1.22 0.00	43.88 -1.42 0.00	35.72 -1.17 0.00	34.13 -1.15 0.00	37.03 -1.25 0.00	30.80 -1.04 0.00	38.71 -1.30 0.00	40.29 -1.34 0.00	44.59 -1.32 0.00	44.57 -1.25 0.00	34.85 -1.05 0.00	33.59 -1.00 0.00	32.25 -0.96 0.00
LOVETT___3 23632	52.92 2.00 0.00	34.35 1.15 0.00	33.26 1.02 0.00	33.84 1.01 0.00	34.21 1.02 0.00	40.66 1.20 0.00	43.59 1.58 0.00	80.28 3.16 0.00	37.41 1.66 0.00	41.26 1.87 0.00	37.71 1.72 0.00	42.85 1.97 0.00	47.41 2.11 0.00	38.61 1.72 0.00	36.92 1.63 0.00	40.06 1.79 0.00	33.33 1.49 0.00	41.74 1.74 0.00	43.27 1.64 0.00	47.55 1.64 0.00	47.83 2.01 0.00	37.42 1.52 0.00	36.21 1.62 0.00	34.75 1.54 0.00
LOVETT___4 23642	52.92 2.00 0.00	34.35 1.15 0.00	33.26 1.02 0.00	33.84 1.01 0.00	34.21 1.02 0.00	40.66 1.20 0.00	43.59 1.58 0.00	80.28 3.16 0.00	37.41 1.66 0.00	41.26 1.87 0.00	37.71 1.72 0.00	42.85 1.97 0.00	47.41 2.11 0.00	38.61 1.72 0.00	36.92 1.63 0.00	40.06 1.79 0.00	33.33 1.49 0.00	41.74 1.74 0.00	43.27 1.64 0.00	47.55 1.64 0.00	47.83 2.01 0.00	37.42 1.52 0.00	36.21 1.62 0.00	34.75 1.54 0.00
LOVETT___5 23593	52.92 2.00 0.00	34.35 1.15 0.00	33.26 1.02 0.00	33.84 1.01 0.00	34.21 1.02 0.00	40.66 1.20 0.00	43.59 1.58 0.00	80.28 3.16 0.00	37.41 1.66 0.00	41.26 1.87 0.00	37.71 1.72 0.00	42.85 1.97 0.00	47.41 2.11 0.00	38.61 1.72 0.00	36.92 1.63 0.00	40.06 1.79 0.00	33.33 1.49 0.00	41.74 1.74 0.00	43.27 1.64 0.00	47.55 1.64 0.00	47.83 2.01 0.00	37.42 1.52 0.00	36.21 1.62 0.00	34.75 1.54 0.00
LOWER RAQUET___HYD 24057	50.43 -0.50 0.00	32.85 -0.35 0.00	31.93 -0.31 0.00	32.48 -0.35 0.00	32.86 -0.33 0.00	39.24 -0.23 0.00	41.86 -0.14 0.00	76.77 -0.35 0.00	35.50 -0.25 0.00	38.98 -0.41 0.00	35.58 -0.41 0.00	40.45 -0.43 0.00	44.94 -0.36 0.00	36.71 -0.18 0.00	35.12 -0.16 0.00	37.86 -0.41 0.00	31.61 -0.23 0.00	39.93 -0.08 0.00	41.72 0.10 0.00	45.98 0.07 0.00	45.66 -0.16 0.00	36.02 0.12 0.00	34.47 -0.12 0.00	33.04 -0.17 0.00
LOWER___HUDSON 24059	52.11 1.18 0.00	33.98 0.78 0.00	32.92 0.68 0.00	33.52 0.69 0.00	33.85 0.65 0.00	40.09 0.63 0.00	42.70 0.69 0.00	78.56 1.44 0.00	36.40 0.64 0.00	40.21 0.82 0.00	36.68 0.68 0.00	41.77 0.89 0.00	46.29 0.99 0.00	37.90 1.01 0.00	36.26 0.98 0.00	39.45 1.18 0.00	32.79 0.95 0.00	41.15 1.15 0.00	42.74 1.12 0.00	46.93 1.02 0.00	47.01 1.19 0.00	36.72 0.82 0.00	35.46 0.86 0.00	33.98 0.77 0.00
LOWVILLE_115KV_TB2 356335	51.00 0.07 0.00	33.23 0.03 0.00	32.30 0.06 0.00	32.92 0.09 0.00	33.29 0.09 0.00	39.65 0.18 0.00	42.32 0.31 0.00	77.64 0.52 0.00	35.98 0.22 0.00	39.63 0.23 0.00	36.22 0.22 0.00	41.03 0.15 0.00	45.36 0.05 0.00	36.91 0.02 0.00	35.27 -0.01 0.00	38.21 -0.07 0.00	31.73 -0.10 0.00	40.06 0.05 0.00	41.77 0.15 0.00	46.31 0.40 0.00	46.50 0.68 0.00	36.35 0.45 0.00	34.85 0.26 0.00	33.35 0.14 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	52.79 1.86 0.00	34.39 1.19 0.00	33.34 1.10 0.00	33.94 1.11 0.00	34.30 1.11 0.00	40.74 1.27 0.00	43.47 1.46 0.00	80.02 2.91 0.00	37.08 1.32 0.00	40.96 1.57 0.00	37.35 1.35 0.00	42.54 1.66 0.00	47.15 1.85 0.00	38.55 1.66 0.00	36.87 1.59 0.00	40.09 1.82 0.00	33.31 1.47 0.00	41.85 1.84 0.00	43.49 1.86 0.00	47.79 1.88 0.00	47.85 2.02 0.00	37.34 1.43 0.00	36.02 1.42 0.00	34.49 1.28 0.00

LUTHERNY_35_KV_BK2 355980	52.78 1.85 0.00	34.37 1.17 0.00	33.34 1.09 0.00	33.92 1.09 0.00	34.30 1.11 0.00	40.73 1.26 0.00	43.50 1.50 0.00	80.03 2.92 0.00	37.09 1.34 0.00	41.00 1.61 0.00	37.34 1.34 0.00	42.57 1.69 0.00	47.15 1.85 0.00	38.56 1.67 0.00	36.89 1.61 0.00	40.10 1.83 0.00	33.31 1.47 0.00	41.84 1.84 0.00	43.52 1.90 0.00	47.79 1.88 0.00	47.86 2.04 0.00	37.35 1.44 0.00	36.06 1.46 0.00	34.53 1.32 0.00
LWR___OSWEGATCHIE_HYD 23850	50.10 -0.83 0.00	32.64 -0.56 0.00	31.72 -0.51 0.00	32.30 -0.52 0.00	32.68 -0.51 0.00	38.98 -0.48 0.00	41.61 -0.40 0.00	76.35 -0.77 0.00	35.33 -0.42 0.00	38.85 -0.54 0.00	35.48 -0.52 0.00	40.26 -0.62 0.00	44.62 -0.68 0.00	36.39 -0.50 0.00	34.79 -0.49 0.00	37.60 -0.67 0.00	31.30 -0.53 0.00	39.54 -0.46 0.00	41.29 -0.34 0.00	45.63 -0.28 0.00	45.57 -0.25 0.00	35.79 -0.12 0.00	34.27 -0.32 0.00	32.82 -0.39 0.00
LYONS_FALL_HYD 23570	51.25 0.32 0.00	33.39 0.19 0.00	32.44 0.20 0.00	33.06 0.22 0.00	33.42 0.23 0.00	39.81 0.35 0.00	42.50 0.49 0.00	78.02 0.90 0.00	36.18 0.42 0.00	39.86 0.47 0.00	36.43 0.44 0.00	41.30 0.42 0.00	45.65 0.35 0.00	37.17 0.27 0.00	35.53 0.25 0.00	38.49 0.22 0.00	31.97 0.13 0.00	40.29 0.29 0.00	41.99 0.37 0.00	46.48 0.57 0.00	46.61 0.78 0.00	36.42 0.52 0.00	34.97 0.38 0.00	33.48 0.27 0.00
MADISON___COUNTY_LFGE 323628	51.75 0.82 0.00	33.69 0.49 0.00	32.72 0.48 0.00	33.35 0.51 0.00	33.71 0.52 0.00	40.18 0.71 0.00	42.87 0.86 0.00	78.76 1.64 0.00	36.58 0.82 0.00	40.28 0.89 0.00	36.85 0.85 0.00	41.77 0.89 0.00	46.14 0.84 0.00	37.56 0.66 0.00	35.91 0.63 0.00	38.92 0.64 0.00	32.33 0.50 0.00	40.69 0.68 0.00	42.38 0.76 0.00	46.87 0.96 0.00	46.87 1.04 0.00	36.60 0.70 0.00	35.21 0.61 0.00	33.70 0.49 0.00
MALONE___115KV_TB1 356076	51.49 0.56 0.00	33.54 0.33 0.00	32.58 0.34 0.00	33.12 0.29 0.00	33.54 0.35 0.00	40.04 0.57 0.00	42.72 0.72 0.00	78.42 1.30 0.00	36.31 0.56 0.00	39.92 0.53 0.00	36.45 0.45 0.00	41.48 0.60 0.00	46.08 0.78 0.00	37.51 0.61 0.00	35.88 0.60 0.00	38.79 0.51 0.00	32.39 0.55 0.00	40.84 0.84 0.00	42.67 1.04 0.00	47.18 1.27 0.00	46.86 1.04 0.00	36.77 0.86 0.00	35.19 0.60 0.00	33.71 0.51 0.00
MAPLEWOD_115KV_TB3 80458	51.94 1.02 0.00	33.91 0.70 0.00	32.86 0.62 0.00	33.44 0.61 0.00	33.76 0.57 0.00	39.97 0.51 0.00	42.59 0.58 0.00	78.38 1.26 0.00	36.41 0.65 0.00	40.15 0.76 0.00	36.69 0.69 0.00	41.70 0.82 0.00	46.23 0.93 0.00	37.88 0.99 0.00	36.19 0.91 0.00	39.35 1.07 0.00	32.72 0.89 0.00	41.02 1.01 0.00	42.58 0.96 0.00	46.78 0.87 0.00	46.85 1.03 0.00	36.65 0.74 0.00	35.37 0.78 0.00	33.90 0.69 0.00
MAPLE_RIDGE_WT_1 323574	50.89 -0.04 0.00	33.18 -0.02 0.00	32.24 0.00 0.00	32.81 -0.02 0.00	33.18 -0.01 0.00	39.49 0.02 0.00	42.00 0.00 0.00	77.02 -0.10 0.00	35.63 -0.13 0.00	39.25 -0.15 0.00	35.87 -0.12 0.00	40.78 -0.10 0.00	45.21 -0.09 0.00	36.80 -0.09 0.00	35.21 -0.07 0.00	38.14 -0.13 0.00	31.74 -0.10 0.00	39.93 -0.07 0.00	41.60 -0.02 0.00	45.97 0.07 0.00	45.84 0.02 0.00	35.96 0.05 0.00	34.59 0.00 0.00	33.21 0.00 0.00
MAPLE_RIDGE_WT_2 323611	50.89 -0.04 0.00	33.18 -0.02 0.00	32.24 0.00 0.00	32.81 -0.02 0.00	33.18 -0.01 0.00	39.49 0.02 0.00	42.00 0.00 0.00	77.02 -0.10 0.00	35.63 -0.13 0.00	39.25 -0.15 0.00	35.87 -0.12 0.00	40.78 -0.10 0.00	45.21 -0.09 0.00	36.80 -0.09 0.00	35.21 -0.07 0.00	38.14 -0.13 0.00	31.74 -0.10 0.00	39.93 -0.07 0.00	41.60 -0.02 0.00	45.97 0.07 0.00	45.84 0.02 0.00	35.96 0.05 0.00	34.59 0.00 0.00	33.21 0.00 0.00
MARBLE_RIVER_WT_PWR 323696	51.68 0.75 0.00	33.68 0.48 0.00	32.69 0.44 0.00	33.25 0.42 0.00	33.67 0.48 0.00	40.15 0.68 0.00	42.78 0.77 0.00	78.49 1.37 0.00	36.27 0.51 0.00	39.83 0.44 0.00	36.36 0.36 0.00	41.39 0.51 0.00	45.98 0.68 0.00	37.41 0.52 0.00	35.81 0.53 0.00	38.77 0.50 0.00	32.33 0.49 0.00	40.72 0.71 0.00	42.47 0.85 0.00	46.98 1.08 0.00	46.68 0.86 0.00	36.60 0.69 0.00	35.09 0.49 0.00	33.67 0.46 0.00
MARSHVLE_115KV_TB1 80742	53.29 2.36 0.00	34.68 1.48 0.00	33.72 1.48 0.00	34.34 1.51 0.00	34.78 1.59 0.00	41.50 2.04 0.00	44.37 2.37 0.00	81.45 4.33 0.00	37.74 1.98 0.00	41.46 2.07 0.00	37.88 1.88 0.00	42.95 2.07 0.00	47.55 2.25 0.00	38.51 1.62 0.00	36.77 1.49 0.00	39.82 1.54 0.00	33.11 1.27 0.00	41.78 1.77 0.00	43.61 1.99 0.00	48.42 2.51 0.00	48.36 2.53 0.00	37.76 1.85 0.00	36.26 1.67 0.00	34.72 1.51 0.00
MARSH_HILL_WT_PWR 323713	49.52 -1.41 0.00	32.10 -1.10 0.00	31.35 -0.89 0.00	31.95 -0.88 0.00	32.30 -0.90 0.00	38.60 -0.87 0.00	40.88 -1.12 0.00	74.68 -2.44 0.00	34.57 -1.19 0.00	37.12 -1.84 0.44	31.88 -1.84 2.28	60.85 -2.35 -22.32	80.33 -2.84 -37.87	80.65 -2.44 -46.20	46.52 -2.29 -13.53	69.10 -2.48 -33.30	39.43 -2.26 -9.85	35.01 -2.76 2.23	39.19 -2.43 0.00	44.17 -1.73 0.00	44.41 -1.41 0.00	34.44 -1.47 0.00	33.12 -1.48 0.00	31.44 -1.77 0.00
MCINTYRE_115KV_TB2 80467	52.00 1.08 0.00	33.87 0.67 0.00	32.91 0.67 0.00	33.47 0.64 0.00	33.90 0.70 0.00	40.51 1.04 0.00	43.26 1.25 0.00	79.26 2.15 0.00	36.57 0.81 0.00	40.06 0.67 0.00	36.60 0.60 0.00	41.56 0.68 0.00	46.10 0.79 0.00	37.55 0.66 0.00	35.98 0.70 0.00	38.87 0.59 0.00	32.49 0.66 0.00	41.09 1.09 0.00	42.98 1.36 0.00	47.50 1.59 0.00	47.17 1.35 0.00	37.21 1.30 0.00	35.59 1.00 0.00	34.08 0.88 0.00
MECO_____69_KV_BK1 80468	53.64 2.71 0.00	34.90 1.71 0.00	33.90 1.66 0.00	34.53 1.70 0.00	34.95 1.76 0.00	41.68 2.22 0.00	44.59 2.58 0.00	82.00 4.88 0.00	37.99 2.23 0.00	41.81 2.41 0.00	38.18 2.18 0.00	43.30 2.41 0.00	47.95 2.65 0.00	38.96 2.07 0.00	37.22 1.93 0.00	40.31 2.04 0.00	33.55 1.71 0.00	42.33 2.33 0.00	44.12 2.50 0.00	48.85 2.94 0.00	48.85 3.03 0.00	38.11 2.21 0.00	36.59 2.00 0.00	35.05 1.84 0.00
MENANDS___115KV_TB5 355628	51.68 0.75 0.00	33.75 0.55 0.00	32.71 0.47 0.00	33.29 0.46 0.00	33.60 0.41 0.00	39.76 0.29 0.00	42.35 0.34 0.00	77.92 0.81 0.00	36.21 0.45 0.00	39.92 0.53 0.00	36.47 0.48 0.00	41.46 0.57 0.00	45.96 0.65 0.00	37.67 0.77 0.00	36.00 0.72 0.00	39.14 0.86 0.00	32.55 0.71 0.00	40.79 0.78 0.00	42.34 0.72 0.00	46.49 0.58 0.00	46.55 0.73 0.00	36.43 0.53 0.00	35.17 0.57 0.00	33.73 0.52 0.00
MG INDUSTRY___DRP 24185	51.83 0.91 0.00	33.85 0.65 0.00	32.86 0.62 0.00	33.44 0.61 0.00	33.79 0.60 0.00	40.02 0.55 0.00	42.60 0.60 0.00	78.32 1.20 0.00	36.35 0.60 0.00	40.05 0.66 0.00	36.59 0.60 0.00	41.54 0.66 0.00	46.03 0.73 0.00	37.67 0.78 0.00	36.00 0.72 0.00	39.12 0.84 0.00	32.54 0.70 0.00	40.82 0.82 0.00	42.41 0.79 0.00	46.63 0.72 0.00	46.69 0.86 0.00	36.53 0.63 0.00	35.26 0.67 0.00	33.85 0.64 0.00

MID___OSWEGATCHIE_HYD 23849	50.10 -0.83 0.00	32.64 -0.56 0.00	31.72 -0.51 0.00	32.30 -0.52 0.00	32.68 -0.51 0.00	38.98 -0.48 0.00	41.61 -0.40 0.00	76.35 -0.77 0.00	35.33 -0.42 0.00	38.85 -0.54 0.00	35.48 -0.52 0.00	40.26 -0.62 0.00	44.62 -0.68 0.00	36.39 -0.50 0.00	34.79 -0.49 0.00	37.60 -0.67 0.00	31.30 -0.53 0.00	39.54 -0.46 0.00	41.29 -0.34 0.00	45.63 -0.28 0.00	45.57 -0.25 0.00	35.79 -0.12 0.00	34.27 -0.32 0.00	32.82 -0.39 0.00
MID___RAQUETTE_HYD 23851	50.42 -0.50 0.00	32.85 -0.35 0.00	31.93 -0.31 0.00	32.48 -0.35 0.00	32.86 -0.33 0.00	39.24 -0.23 0.00	41.86 -0.15 0.00	76.77 -0.35 0.00	35.50 -0.25 0.00	38.98 -0.41 0.00	35.58 -0.41 0.00	40.45 -0.43 0.00	44.94 -0.36 0.00	36.71 -0.18 0.00	35.12 -0.17 0.00	37.86 -0.41 0.00	31.61 -0.22 0.00	39.93 -0.08 0.00	41.72 0.10 0.00	45.97 0.06 0.00	45.66 -0.16 0.00	36.02 0.12 0.00	34.47 -0.12 0.00	33.04 -0.17 0.00
MILLIKEN___1 23584	51.26 0.33 0.00	33.39 0.19 0.00	32.39 0.15 0.00	33.02 0.19 0.00	33.45 0.26 0.00	39.86 0.39 0.00	42.51 0.50 0.00	78.03 0.92 0.00	36.30 0.54 0.00	42.81 0.53 -2.89	39.21 0.45 -2.76	43.57 0.36 -2.32	55.37 0.32 -9.74	40.57 0.13 -3.55	36.43 0.11 -1.04	40.96 0.12 -2.57	33.85 0.05 -1.96	42.88 0.12 -2.76	41.81 0.19 0.00	46.34 0.43 0.00	46.36 0.54 0.00	36.20 0.30 0.00	34.84 0.25 0.00	33.32 0.11 0.00
MILLIKEN___2 23585	51.26 0.33 0.00	33.39 0.19 0.00	32.39 0.15 0.00	33.02 0.19 0.00	33.45 0.26 0.00	39.86 0.39 0.00	42.51 0.50 0.00	78.03 0.92 0.00	36.30 0.54 0.00	42.81 0.53 -2.89	39.21 0.45 -2.76	43.57 0.36 -2.32	55.37 0.32 -9.74	40.57 0.13 -3.55	36.43 0.11 -1.04	40.96 0.12 -2.57	33.85 0.05 -1.96	42.88 0.12 -2.76	41.81 0.19 0.00	46.34 0.43 0.00	46.36 0.54 0.00	36.20 0.30 0.00	34.84 0.25 0.00	33.32 0.11 0.00
MILLIKEN___DIESEL 23629	51.26 0.33 0.00	33.39 0.19 0.00	32.39 0.15 0.00	33.02 0.19 0.00	33.45 0.26 0.00	39.86 0.39 0.00	42.51 0.50 0.00	78.03 0.92 0.00	36.30 0.54 0.00	42.81 0.53 -2.89	39.21 0.45 -2.76	43.57 0.36 -2.32	55.37 0.32 -9.74	40.57 0.13 -3.55	36.43 0.11 -1.04	40.96 0.12 -2.57	33.85 0.05 -1.96	42.88 0.12 -2.76	41.81 0.19 0.00	46.34 0.43 0.00	46.36 0.54 0.00	36.20 0.30 0.00	34.84 0.25 0.00	33.32 0.11 0.00
MILLSEAT___LFGE 323607	48.11 -2.82 0.00	31.13 -2.07 0.00	30.34 -1.90 0.00	31.02 -1.81 0.00	31.49 -1.70 0.00	37.85 -1.62 0.00	40.33 -1.67 0.00	73.07 -4.05 0.00	33.46 -2.30 0.00	35.17 -3.16 1.07	32.65 -2.61 0.74	33.41 -3.18 4.30	32.21 -3.50 9.59	25.41 -3.04 8.45	29.63 -3.17 2.48	28.71 -3.48 6.09	26.41 -3.15 2.27	35.33 -3.94 0.73	37.71 -3.91 0.00	43.01 -2.90 0.00	43.15 -2.68 0.00	33.73 -2.18 0.00	32.67 -1.93 0.00	31.27 -1.94 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	53.06 2.13 0.00	34.44 1.24 0.00	33.35 1.11 0.00	33.93 1.10 0.00	34.30 1.10 0.00	40.76 1.29 0.00	43.69 1.69 0.00	80.49 3.37 0.00	37.52 1.77 0.00	41.38 1.99 0.00	37.83 1.83 0.00	42.97 2.09 0.00	47.53 2.23 0.00	38.73 1.84 0.00	37.03 1.75 0.00	40.18 1.91 0.00	33.43 1.59 0.00	41.85 1.85 0.00	43.38 1.76 0.00	47.67 1.76 0.00	47.93 2.11 0.00	37.50 1.59 0.00	36.28 1.69 0.00	34.83 1.62 0.00
MILLWOOD_13_KV_LOAD 356217	53.12 2.19 0.00	34.48 1.28 0.00	33.39 1.15 0.00	33.97 1.14 0.00	34.34 1.14 0.00	40.82 1.35 0.00	43.75 1.74 0.00	80.58 3.46 0.00	37.58 1.83 0.00	41.44 2.05 0.00	37.89 1.89 0.00	43.03 2.15 0.00	47.60 2.30 0.00	38.78 1.89 0.00	37.08 1.80 0.00	40.23 1.96 0.00	33.48 1.64 0.00	41.92 1.91 0.00	43.46 1.83 0.00	47.74 1.84 0.00	48.00 2.18 0.00	37.55 1.65 0.00	36.33 1.74 0.00	34.87 1.67 0.00
MODEL_CITY_ENERGY 24167	46.41 -4.52 0.00	30.01 -3.19 0.00	29.28 -2.96 0.00	29.96 -2.88 0.00	30.40 -2.79 0.00	36.53 -2.94 0.00	38.80 -3.20 0.00	70.08 -7.04 0.00	32.22 -3.53 0.00	33.75 -4.39 1.26	31.45 -3.73 0.82	31.00 -4.27 5.61	28.39 -4.71 12.20	21.76 -4.10 11.03	27.84 -4.20 3.24	25.86 -4.46 7.96	24.90 -4.03 2.91	34.10 -5.10 0.80	36.48 -5.14 0.00	41.51 -4.40 0.00	41.45 -4.37 0.00	32.38 -3.53 0.00	31.47 -3.12 0.00	30.19 -3.02 0.00
MODERN_LFGE___ 323580	46.41 -4.52 0.00	30.01 -3.19 0.00	29.28 -2.96 0.00	29.96 -2.88 0.00	30.40 -2.79 0.00	36.53 -2.94 0.00	38.80 -3.20 0.00	70.08 -7.04 0.00	32.22 -3.53 0.00	33.75 -4.39 1.26	31.45 -3.73 0.82	31.00 -4.27 5.61	28.39 -4.71 12.20	21.76 -4.10 11.03	27.84 -4.20 3.24	25.86 -4.46 7.96	24.90 -4.03 2.91	34.10 -5.10 0.80	36.48 -5.14 0.00	41.51 -4.40 0.00	41.45 -4.37 0.00	32.38 -3.53 0.00	31.47 -3.12 0.00	30.19 -3.02 0.00
MOHAWK_PAPER___DRP 24187	51.94 1.02 0.00	33.91 0.70 0.00	32.86 0.62 0.00	33.44 0.61 0.00	33.76 0.57 0.00	39.97 0.51 0.00	42.59 0.58 0.00	78.38 1.26 0.00	36.41 0.65 0.00	40.15 0.76 0.00	36.69 0.69 0.00	41.70 0.82 0.00	46.23 0.93 0.00	37.88 0.99 0.00	36.19 0.91 0.00	39.35 1.07 0.00	32.72 0.89 0.00	41.02 1.01 0.00	42.58 0.96 0.00	46.78 0.87 0.00	46.85 1.03 0.00	36.65 0.74 0.00	35.37 0.78 0.00	33.90 0.69 0.00
MOHICAN___35_KV_115KV_LD 80490	52.96 2.03 0.00	34.50 1.30 0.00	33.42 1.18 0.00	34.02 1.19 0.00	34.42 1.22 0.00	40.89 1.42 0.00	43.76 1.76 0.00	80.57 3.45 0.00	37.33 1.58 0.00	41.37 1.98 0.00	37.69 1.69 0.00	43.00 2.11 0.00	47.65 2.35 0.00	38.96 2.07 0.00	37.27 1.99 0.00	40.53 2.25 0.00	33.65 1.81 0.00	42.35 2.34 0.00	44.03 2.41 0.00	48.30 2.40 0.00	48.34 2.51 0.00	37.57 1.67 0.00	36.24 1.64 0.00	34.61 1.40 0.00
MONGAUP___HYD 23641	52.51 1.58 0.00	34.09 0.89 0.00	33.03 0.79 0.00	33.67 0.84 0.00	34.04 0.84 0.00	40.46 1.00 0.00	43.05 1.05 0.00	79.38 2.26 0.00	37.01 1.26 0.00	40.79 1.39 0.00	37.55 1.55 0.00	42.60 1.72 0.00	47.06 1.75 0.00	38.32 1.43 0.00	36.61 1.33 0.00	39.49 1.22 0.00	32.86 1.03 0.00	41.21 1.20 0.00	42.80 1.17 0.00	47.14 1.24 0.00	47.40 1.58 0.00	37.06 1.15 0.00	35.80 1.21 0.00	34.60 1.39 0.00
MONTAUK___DIESEL 23721	56.05 5.13 0.00	36.21 3.01 0.00	35.02 2.78 0.00	35.58 2.74 0.00	36.01 2.81 0.00	42.87 3.40 0.00	45.94 3.94 0.00	84.06 6.95 0.00	38.65 2.89 0.00	42.97 2.83 -0.75	46.61 2.21 -8.40	44.51 2.66 -0.97	44.59 2.87 3.58	44.48 3.16 -4.43	41.76 2.98 -3.50	41.18 2.75 -0.15	35.11 2.92 -0.34	38.00 3.54 5.54	40.17 2.30 3.76	46.73 1.84 1.01	47.72 1.90 0.00	33.97 1.32 3.26	31.72 1.81 4.69	23.32 2.61 12.50
MOONROAD_115KV_HARTFLD_TB1-2 355988	48.75 -2.17 0.00	31.91 -1.29 0.00	31.12 -1.12 0.00	31.67 -1.16 0.00	31.88 -1.31 0.00	38.06 -1.41 0.00	40.50 -1.50 0.00	73.87 -3.25 0.00	34.33 -1.42 0.00	35.71 -2.17 1.52	32.81 -2.14 1.05	32.29 -2.51 6.08	28.88 -2.97 13.45	21.97 -3.04 11.88	28.73 -3.07 3.48	27.42 -3.10 7.75	26.16 -2.76 2.93	35.69 -3.28 1.04	38.71 -2.92 0.00	44.07 -1.84 0.00	44.04 -1.79 0.00	34.11 -1.79 0.00	33.01 -1.59 0.00	31.39 -1.82 0.00

MORRIS_RIDGE___SOLAR 323848	48.79 -2.14 0.00	31.67 -1.53 0.00	30.85 -1.39 0.00	31.47 -1.36 0.00	31.84 -1.35 0.00	38.11 -1.36 0.00	40.40 -1.61 0.00	73.54 -3.58 0.00	33.93 -1.83 0.00	32.72 -2.49 4.18	32.11 -2.34 1.55	4.86 -2.92 33.10	-23.52 -3.40 65.41	-32.51 -2.92 66.48	13.02 -2.79 19.47	-12.76 -3.02 48.02	12.95 -2.64 16.24	35.37 -3.15 1.48	38.67 -2.95 0.00	43.60 -2.31 0.00	43.78 -2.04 0.00	34.01 -1.90 0.00	32.85 -1.74 0.00	31.33 -1.88 0.00
MORTIMER_115KV_TB3 55949	48.62 -2.31 0.00	31.59 -1.61 0.00	30.75 -1.49 0.00	31.44 -1.39 0.00	31.83 -1.36 0.00	38.05 -1.42 0.00	40.52 -1.49 0.00	73.84 -3.28 0.00	34.04 -1.72 0.00	36.66 -2.19 0.54	33.59 -1.87 0.54	38.41 -2.34 0.13	41.44 -2.58 1.28	34.59 -2.31 0.00	32.94 -2.34 0.00	35.69 -2.58 0.00	29.40 -2.22 0.22	36.75 -2.71 0.55	38.99 -2.63 0.00	43.82 -2.09 0.00	43.81 -2.01 0.00	34.24 -1.66 0.00	33.04 -1.56 0.00	31.66 -1.55 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	53.41 2.48 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.12 1.29 0.00	34.48 1.29 0.00	41.00 1.53 0.00	43.99 1.98 0.00	81.02 3.90 0.00	37.83 2.07 0.00	41.70 2.31 0.00	38.14 2.14 0.00	43.32 2.44 0.00	47.91 2.61 0.00	39.04 2.15 0.00	37.33 2.05 0.00	40.49 2.22 0.00	33.70 1.86 0.00	42.15 2.15 0.00	43.66 2.03 0.00	47.91 2.00 0.00	48.23 2.40 0.00	37.73 1.82 0.00	36.52 1.92 0.00	35.08 1.88 0.00
MUNSVILLE_WIND_PWR 323609	54.18 3.25 0.00	35.18 1.97 0.00	34.14 1.90 0.00	34.88 2.04 0.00	35.31 2.11 0.00	42.34 2.87 0.00	45.30 3.30 0.00	83.41 6.29 0.00	39.96 4.20 0.00	45.98 4.58 -2.00	41.89 3.99 -1.90	46.70 4.13 -1.69	56.39 4.16 -6.93	41.69 2.25 -2.55	38.00 1.97 -0.75	42.30 2.20 -1.83	34.74 1.72 -1.18	43.50 2.11 -1.38	43.74 2.11 0.00	48.51 2.60 0.00	48.37 2.55 0.00	37.85 1.95 0.00	36.16 1.57 0.00	34.15 0.94 0.00
N SALMON___HYD 24042	51.49 0.56 0.00	33.54 0.33 0.00	32.58 0.34 0.00	33.12 0.29 0.00	33.54 0.35 0.00	40.04 0.57 0.00	42.72 0.72 0.00	78.42 1.30 0.00	36.31 0.56 0.00	39.92 0.52 0.00	36.45 0.45 0.00	41.48 0.60 0.00	46.08 0.78 0.00	37.51 0.61 0.00	35.87 0.59 0.00	38.79 0.51 0.00	32.39 0.55 0.00	40.84 0.84 0.00	42.66 1.04 0.00	47.18 1.27 0.00	46.86 1.04 0.00	36.77 0.86 0.00	35.19 0.60 0.00	33.71 0.50 0.00
N.AKRON__115KV_KNAPP 355671	47.97 -2.96 0.00	31.05 -2.15 0.00	30.27 -1.98 0.00	31.04 -1.79 0.00	31.45 -1.75 0.00	37.75 -1.72 0.00	40.20 -1.81 0.00	72.84 -4.28 0.00	33.40 -2.36 0.00	35.09 -3.19 1.11	32.56 -2.68 0.76	33.02 -3.24 4.62	31.55 -3.51 10.24	24.59 -3.21 9.10	29.39 -3.22 2.67	28.13 -3.59 6.56	26.19 -3.22 2.43	35.25 -4.01 0.74	37.68 -3.95 0.00	42.91 -3.00 0.00	42.99 -2.84 0.00	33.61 -2.30 0.00	32.56 -2.03 0.00	31.19 -2.02 0.00
N.E_GEN_SANDY PD 24062	52.30 1.38 0.00	34.11 0.90 0.00	33.03 0.79 0.00	33.62 0.79 0.00	33.94 0.75 0.00	40.16 0.70 0.00	42.69 0.68 0.00	77.05 1.43 1.49	36.32 0.56 0.00	40.12 0.73 0.00	36.05 0.61 0.56	41.13 0.82 0.58	46.23 0.94 0.01	37.70 1.02 0.21	36.13 1.01 0.15	39.60 1.26 -0.07	32.80 1.01 0.04	41.09 1.19 0.10	42.79 1.17 0.00	46.92 1.01 0.00	47.04 1.22 0.00	36.74 0.83 0.00	35.50 0.91 0.00	34.01 0.81 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	53.02 2.09 0.00	34.40 1.20 0.00	33.31 1.07 0.00	33.90 1.07 0.00	34.26 1.07 0.00	40.73 1.27 0.00	43.66 1.65 0.00	80.43 3.31 0.00	37.48 1.73 0.00	41.34 1.95 0.00	37.79 1.80 0.00	42.94 2.06 0.00	47.51 2.21 0.00	38.69 1.80 0.00	36.99 1.70 0.00	40.14 1.87 0.00	33.40 1.56 0.00	41.83 1.82 0.00	43.37 1.75 0.00	47.68 1.77 0.00	47.95 2.13 0.00	37.52 1.61 0.00	36.29 1.70 0.00	34.81 1.60 0.00
N.QUEENS_27_KV_LOAD 356247	53.55 2.62 0.00	34.79 1.59 0.00	33.61 1.37 0.00	34.17 1.34 0.00	34.57 1.37 0.00	41.09 1.63 0.00	44.07 2.06 0.00	81.06 3.95 0.00	37.90 2.14 0.00	41.70 2.31 0.00	39.32 2.24 -1.08	44.47 2.48 -1.11	47.93 2.61 -0.02	39.56 2.25 -0.41	37.66 2.08 -0.29	40.63 2.22 -0.13	33.77 1.86 -0.08	42.30 2.10 -0.19	43.61 1.99 0.00	47.79 1.88 0.00	48.13 2.31 0.00	37.62 1.71 0.00	36.38 1.79 0.00	35.04 1.84 0.00
N.TROY___115KV_TB1 355778	52.11 1.18 0.00	33.98 0.78 0.00	32.92 0.68 0.00	33.51 0.68 0.00	33.84 0.64 0.00	40.10 0.63 0.00	42.70 0.70 0.00	78.56 1.44 0.00	36.40 0.64 0.00	40.21 0.82 0.00	36.68 0.68 0.00	41.76 0.88 0.00	46.30 1.00 0.00	37.91 1.02 0.00	36.26 0.98 0.00	39.46 1.19 0.00	32.79 0.95 0.00	41.16 1.15 0.00	42.74 1.12 0.00	46.93 1.02 0.00	47.01 1.19 0.00	36.73 0.82 0.00	35.46 0.86 0.00	33.98 0.77 0.00
NARROWS_GT1_1 24228	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT1_2 24229	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT1_3 24230	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT1_4 24231	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT1_5 24232	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01

NARROWS_GT1_6 24233	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT1_7 24234	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT1_8 24235	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_1 24236	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_2 24237	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_3 24238	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_4 24239	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_5 24240	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_6 24241	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_7 24242	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NARROWS_GT2_8 24243	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.44 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	52.39 1.47 0.00	34.20 1.00 0.00	33.16 0.92 0.00	33.77 0.94 0.00	34.12 0.93 0.00	40.44 0.97 0.00	43.15 1.15 0.00	79.52 2.40 0.00	37.02 1.26 0.00	40.81 1.42 0.00	37.28 1.28 0.00	42.31 1.42 0.00	46.94 1.64 0.00	38.46 1.57 0.00	36.69 1.41 0.00	39.88 1.61 0.00	33.17 1.33 0.00	41.60 1.60 0.00	43.27 1.65 0.00	47.61 1.70 0.00	47.65 1.82 0.00	37.23 1.32 0.00	35.86 1.27 0.00	34.35 1.14 0.00
NCHELSEA_115KV_TR2 355582	53.33 2.40 0.00	34.63 1.43 0.00	33.55 1.31 0.00	34.12 1.29 0.00	34.50 1.31 0.00	41.02 1.55 0.00	43.95 1.94 0.00	80.99 3.88 0.00	37.76 2.00 0.00	41.64 2.25 0.00	38.08 2.08 0.00	43.27 2.39 0.00	47.87 2.57 0.00	39.00 2.11 0.00	37.29 2.01 0.00	40.46 2.19 0.00	33.67 1.83 0.00	42.17 2.16 0.00	43.74 2.12 0.00	48.10 2.19 0.00	48.31 2.49 0.00	37.77 1.87 0.00	36.52 1.92 0.00	35.02 1.81 0.00
NEG CAPITAL___MECHNVIL 23645	52.84 1.91 0.00	34.42 1.22 0.00	33.37 1.13 0.00	33.98 1.15 0.00	34.33 1.14 0.00	40.75 1.29 0.00	43.51 1.50 0.00	80.06 2.94 0.00	37.11 1.35 0.00	41.00 1.61 0.00	37.39 1.40 0.00	42.59 1.71 0.00	47.19 1.89 0.00	38.60 1.71 0.00	36.92 1.64 0.00	40.15 1.87 0.00	33.35 1.52 0.00	41.91 1.91 0.00	43.55 1.93 0.00	47.85 1.95 0.00	47.91 2.08 0.00	37.38 1.48 0.00	36.06 1.46 0.00	34.52 1.31 0.00
NEG CENTRAL_HIGH_ACRES 23767	48.14 -2.79 0.00	31.31 -1.90 0.00	30.46 -1.78 0.00	31.07 -1.76 0.00	31.49 -1.70 0.00	37.66 -1.81 0.00	40.10 -1.91 0.00	73.18 -3.94 0.00	33.78 -1.98 0.00	36.61 -2.41 0.37	33.58 -2.05 0.37	38.25 -2.53 0.10	41.59 -2.79 0.92	34.49 -2.40 0.00	32.83 -2.45 0.00	35.60 -2.68 0.00	29.39 -2.28 0.16	36.80 -2.81 0.39	38.83 -2.79 0.00	43.49 -2.42 0.00	43.47 -2.35 0.00	33.95 -1.96 0.00	32.73 -1.87 0.00	31.36 -1.85 0.00



NEG CENTRAL___DRP 24199	49.89 -1.04 0.00	32.52 -0.68 0.00	31.58 -0.66 0.00	32.20 -0.63 0.00	32.63 -0.57 0.00	38.89 -0.57 0.00	41.45 -0.55 0.00	75.87 -1.24 0.00	35.14 -0.62 0.00	38.28 -0.83 0.28	34.77 -0.74 0.49	42.15 -1.07 -2.34	46.89 -1.14 -2.74	40.28 -1.04 -4.43	35.61 -0.97 -1.30	40.40 -1.08 -3.20	31.68 -0.94 -0.78	38.29 -1.12 0.60	40.56 -1.06 0.00	45.10 -0.81 0.00	45.15 -0.67 0.00	35.26 -0.64 0.00	33.98 -0.62 0.00	32.51 -0.70 0.00
NEG CENTRAL___INDECK 23768	50.25 -0.68 0.00	32.59 -0.61 0.00	31.73 -0.51 0.00	32.40 -0.43 0.00	32.83 -0.37 0.00	39.37 -0.10 0.00	41.92 -0.09 0.00	76.50 -0.61 0.00	35.08 -0.67 0.00	38.74 -1.22 -0.58	33.39 -1.29 1.32	62.33 -1.78 -23.22	84.10 -2.10 -40.89	82.29 -1.87 -47.27	47.27 -1.86 -13.85	70.40 -2.03 -34.15	40.53 -1.80 -10.50	36.52 -2.14 1.35	39.75 -1.87 0.00	45.08 -0.83 0.00	45.41 -0.41 0.00	35.41 -0.49 0.00	34.05 -0.54 0.00	32.44 -0.76 0.00
NEG CENTRAL___SENECA 23627	49.80 -1.12 0.00	32.44 -0.76 0.00	31.54 -0.70 0.00	32.19 -0.64 0.00	32.59 -0.60 0.00	38.93 -0.53 0.00	41.48 -0.52 0.00	75.85 -1.27 0.00	35.10 -0.65 0.00	37.83 -0.92 0.63	34.23 -0.82 0.95	43.35 -1.20 -3.67	47.94 -1.28 -3.91	42.72 -1.19 -7.02	36.24 -1.09 -2.06	42.11 -1.24 -5.08	31.97 -1.03 -1.16	37.61 -1.26 1.14	40.45 -1.18 0.00	45.18 -0.73 0.00	45.21 -0.62 0.00	35.27 -0.63 0.00	34.00 -0.59 0.00	32.48 -0.73 0.00
NEG CENTRAL___STATE_STREET 24147	50.52 -0.41 0.00	32.95 -0.25 0.00	31.89 -0.35 0.00	32.49 -0.34 0.00	32.99 -0.21 0.00	39.22 -0.25 0.00	41.87 -0.14 0.00	76.73 -0.39 0.00	35.58 -0.18 0.00	39.52 -0.30 -0.43	36.10 -0.26 -0.36	41.28 -0.55 -0.95	45.54 -0.51 -0.75	36.42 -0.47 0.00	34.82 -0.47 0.00	37.76 -0.52 0.00	31.41 -0.56 -0.13	39.80 -0.53 -0.32	41.14 -0.48 0.00	45.46 -0.45 0.00	45.56 -0.26 0.00	35.62 -0.28 0.00	34.30 -0.29 0.00	32.87 -0.33 0.00
NEG MILLWOOD___DRP 24198	53.39 2.46 0.00	34.67 1.47 0.00	33.58 1.34 0.00	34.15 1.33 0.00	34.53 1.33 0.00	41.06 1.59 0.00	44.02 2.02 0.00	81.15 4.04 0.00	37.86 2.10 0.00	41.74 2.34 0.00	38.18 2.18 0.00	43.38 2.50 0.00	47.98 2.68 0.00	39.10 2.20 0.00	37.37 2.09 0.00	40.55 2.27 0.00	33.74 1.90 0.00	42.26 2.26 0.00	43.81 2.19 0.00	48.16 2.25 0.00	48.39 2.57 0.00	37.84 1.93 0.00	36.56 1.97 0.00	35.07 1.86 0.00
NEG NORTH_FLCN_SEA 23793	52.78 1.85 0.00	34.40 1.20 0.00	33.32 1.08 0.00	33.93 1.09 0.00	34.37 1.18 0.00	40.98 1.51 0.00	43.70 1.69 0.00	80.19 3.07 0.00	36.90 1.14 0.00	40.31 0.92 0.00	36.75 0.75 0.00	41.88 1.00 0.00	46.50 1.20 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.23 0.95 0.00	32.68 0.84 0.00	41.11 1.10 0.00	42.87 1.25 0.00	47.45 1.54 0.00	47.24 1.41 0.00	36.95 1.04 0.00	35.41 0.82 0.00	33.98 0.77 0.00
NEG NORTH_KES_CHATEGAY 23792	51.60 0.68 0.00	33.61 0.41 0.00	32.64 0.39 0.00	33.19 0.36 0.00	33.61 0.41 0.00	40.08 0.61 0.00	42.74 0.73 0.00	78.40 1.28 0.00	36.26 0.50 0.00	39.86 0.47 0.00	36.37 0.37 0.00	41.40 0.52 0.00	45.98 0.68 0.00	37.41 0.52 0.00	35.80 0.51 0.00	38.75 0.48 0.00	32.35 0.51 0.00	40.75 0.75 0.00	42.56 0.93 0.00	47.10 1.19 0.00	46.78 0.96 0.00	36.68 0.77 0.00	35.16 0.56 0.00	33.73 0.52 0.00
NEG NORTH___ALICE_FALLS 23915	52.60 1.67 0.00	34.28 1.08 0.00	33.22 0.98 0.00	33.81 0.98 0.00	34.24 1.05 0.00	40.85 1.38 0.00	43.59 1.58 0.00	80.00 2.88 0.00	36.87 1.11 0.00	40.31 0.92 0.00	36.76 0.77 0.00	41.90 1.02 0.00	46.51 1.21 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.23 0.95 0.00	32.70 0.87 0.00	41.16 1.15 0.00	42.96 1.33 0.00	47.54 1.63 0.00	47.29 1.47 0.00	36.99 1.09 0.00	35.44 0.85 0.00	33.99 0.78 0.00
NEG NORTH___LWR_SARANAC 23913	52.60 1.67 0.00	34.28 1.08 0.00	33.22 0.98 0.00	33.81 0.98 0.00	34.24 1.05 0.00	40.85 1.38 0.00	43.59 1.58 0.00	80.00 2.88 0.00	36.87 1.11 0.00	40.31 0.92 0.00	36.76 0.77 0.00	41.90 1.02 0.00	46.51 1.21 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.23 0.95 0.00	32.70 0.87 0.00	41.16 1.15 0.00	42.96 1.33 0.00	47.54 1.63 0.00	47.29 1.47 0.00	36.99 1.09 0.00	35.44 0.85 0.00	33.99 0.78 0.00
NEG NORTH___PLATTSBURG 23628	52.60 1.67 0.00	34.28 1.08 0.00	33.22 0.98 0.00	33.81 0.98 0.00	34.24 1.05 0.00	40.85 1.38 0.00	43.59 1.58 0.00	80.00 2.88 0.00	36.87 1.11 0.00	40.31 0.92 0.00	36.76 0.76 0.00	41.90 1.02 0.00	46.51 1.21 0.00	37.83 0.93 0.00	36.21 0.93 0.00	39.23 0.95 0.00	32.70 0.87 0.00	41.16 1.15 0.00	42.96 1.33 0.00	47.53 1.63 0.00	47.29 1.47 0.00	36.99 1.09 0.00	35.44 0.85 0.00	33.99 0.78 0.00
NEG WEST_LEA_LOCKPORT 23791	46.92 -4.01 0.00	30.37 -2.83 0.00	29.62 -2.62 0.00	30.38 -2.45 0.00	30.78 -2.42 0.00	36.90 -2.56 0.00	39.22 -2.78 0.00	70.92 -6.20 0.00	32.60 -3.16 0.00	34.14 -4.00 1.26	31.76 -3.43 0.81	31.12 -4.03 5.73	28.39 -4.49 12.42	21.60 -3.99 11.31	27.98 -3.99 3.32	25.82 -4.30 8.15	25.06 -3.81 2.97	34.46 -4.75 0.79	36.91 -4.72 0.00	41.97 -3.94 0.00	41.92 -3.90 0.00	32.76 -3.14 0.00	31.80 -2.79 0.00	30.49 -2.72 0.00
NEG WEST___LANCASTER 23811	48.48 -2.45 0.00	31.46 -1.74 0.00	30.66 -1.58 0.00	31.41 -1.43 0.00	31.79 -1.41 0.00	38.02 -1.44 0.00	40.35 -1.65 0.00	73.24 -3.88 0.00	33.82 -1.94 0.00	35.37 -2.53 1.49	32.78 -2.19 1.03	32.41 -2.52 5.95	29.27 -2.88 13.16	22.61 -2.68 11.60	29.17 -2.72 3.40	26.94 -2.92 8.42	26.02 -2.69 3.12	35.66 -3.35 0.99	38.38 -3.24 0.00	43.49 -2.42 0.00	43.44 -2.38 0.00	33.94 -1.97 0.00	32.88 -1.71 0.00	31.46 -1.74 0.00
NEG_PENN_ALLEGHNY 23528	50.61 -0.32 0.00	32.95 -0.25 0.00	32.02 -0.22 0.00	32.67 -0.16 0.00	33.03 -0.16 0.00	39.39 -0.08 0.00	41.89 -0.12 0.00	76.83 -0.29 0.00	35.64 -0.12 0.00	38.58 -0.19 0.63	35.18 -0.19 0.63	40.51 -0.23 0.14	43.62 -0.34 1.34	36.52 -0.37 0.00	34.90 -0.38 0.00	37.84 -0.43 0.00	31.30 -0.44 0.10	38.97 -0.59 0.45	41.09 -0.53 0.00	45.64 -0.27 0.00	45.67 -0.16 0.00	35.68 -0.22 0.00	34.47 -0.13 0.00	32.95 -0.26 0.00
NEG___GEN_MONROE 24207	48.83 -2.10 0.00	31.70 -1.50 0.00	30.87 -1.37 0.00	31.58 -1.25 0.00	31.98 -1.21 0.00	38.28 -1.18 0.00	40.84 -1.17 0.00	74.32 -2.80 0.00	34.16 -1.60 0.00	36.71 -2.14 0.55	33.63 -1.82 0.55	38.36 -2.29 0.23	39.69 -2.49 3.12	32.71 -2.23 1.95	32.42 -2.29 0.57	34.31 -2.57 1.40	28.90 -2.25 0.68	36.67 -2.78 0.55	38.97 -2.66 0.00	43.92 -2.00 0.00	43.99 -1.83 0.00	34.39 -1.52 0.00	33.19 -1.41 0.00	31.80 -1.41 0.00
NEPA___ENERGY 23901	48.51 -2.42 0.00	31.50 -1.70 0.00	30.67 -1.57 0.00	31.42 -1.41 0.00	31.72 -1.47 0.00	37.98 -1.48 0.00	40.30 -1.71 0.00	73.32 -3.80 0.00	33.87 -1.88 0.00	35.42 -2.43 1.54	32.73 -2.24 1.03	31.64 -2.58 6.67	27.81 -2.99 14.51	20.96 -2.87 13.06	28.62 -2.84 3.83	25.91 -3.08 9.29	25.63 -2.80 3.40	35.53 -3.49 0.99	38.33 -3.29 0.00	43.49 -2.42 0.00	43.49 -2.33 0.00	33.96 -1.95 0.00	33.03 -1.56 0.00	31.44 -1.77 0.00

NEVERSINK___HYD 23608	53.84 2.91 0.00	34.99 1.79 0.00	33.95 1.71 0.00	34.57 1.74 0.00	34.96 1.77 0.00	41.61 2.15 0.00	44.57 2.56 0.00	82.06 4.94 0.00	38.21 2.46 0.00	42.15 2.75 0.00	38.53 2.53 0.00	43.79 2.91 0.00	48.44 3.14 0.00	39.24 2.35 0.00	37.36 2.08 0.00	40.52 2.24 0.00	33.69 1.86 0.00	42.28 2.28 0.00	43.92 2.30 0.00	48.39 2.49 0.00	48.59 2.77 0.00	37.97 2.06 0.00	36.67 2.08 0.00	35.13 1.92 0.00
NEWKRMKL_115KV_TB1 55635	51.42 0.49 0.00	33.61 0.41 0.00	32.57 0.33 0.00	33.15 0.32 0.00	33.47 0.28 0.00	39.61 0.14 0.00	42.21 0.21 0.00	77.67 0.55 0.00	36.12 0.36 0.00	39.80 0.41 0.00	36.40 0.40 0.00	41.32 0.43 0.00	45.80 0.50 0.00	37.56 0.66 0.00	35.89 0.60 0.00	38.99 0.71 0.00	32.43 0.60 0.00	40.64 0.63 0.00	42.19 0.56 0.00	46.32 0.41 0.00	46.37 0.55 0.00	36.32 0.41 0.00	35.04 0.45 0.00	33.61 0.41 0.00
NEWTON___FALLS_HYD 23847	50.10 -0.83 0.00	32.64 -0.56 0.00	31.72 -0.51 0.00	32.30 -0.52 0.00	32.68 -0.51 0.00	38.98 -0.48 0.00	41.61 -0.40 0.00	76.35 -0.77 0.00	35.33 -0.42 0.00	38.85 -0.54 0.00	35.48 -0.52 0.00	40.26 -0.62 0.00	44.62 -0.68 0.00	36.39 -0.50 0.00	34.79 -0.49 0.00	37.60 -0.67 0.00	31.30 -0.53 0.00	39.54 -0.46 0.00	41.29 -0.34 0.00	45.63 -0.28 0.00	45.57 -0.25 0.00	35.79 -0.12 0.00	34.27 -0.32 0.00	32.82 -0.39 0.00
NGRID_A1_DSASP 323792	46.50 -4.43 0.00	30.11 -3.09 0.00	29.37 -2.86 0.00	30.00 -2.83 0.00	30.46 -2.73 0.00	36.57 -2.90 0.00	38.85 -3.16 0.00	70.10 -7.01 0.00	32.07 -3.68 0.00	33.55 -4.57 1.28	31.26 -3.91 0.83	30.60 -4.53 5.76	27.83 -4.99 12.48	21.21 -4.33 11.36	27.52 -4.43 3.33	25.41 -4.69 8.17	24.69 -4.17 2.98	33.99 -5.21 0.81	36.41 -5.21 0.00	41.42 -4.49 0.00	41.32 -4.50 0.00	32.27 -3.64 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
NGRID_A2_DSASP 323793	46.50 -4.43 0.00	30.11 -3.09 0.00	29.37 -2.86 0.00	30.00 -2.83 0.00	30.46 -2.73 0.00	36.57 -2.90 0.00	38.85 -3.16 0.00	70.10 -7.01 0.00	32.07 -3.68 0.00	33.55 -4.57 1.28	31.26 -3.91 0.83	30.60 -4.53 5.76	27.83 -4.99 12.48	21.21 -4.33 11.36	27.52 -4.43 3.33	25.41 -4.69 8.17	24.69 -4.17 2.98	33.99 -5.21 0.81	36.41 -5.21 0.00	41.42 -4.49 0.00	41.32 -4.50 0.00	32.27 -3.64 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
NGRID_A4_DSASP 323807	46.50 -4.43 0.00	30.11 -3.09 0.00	29.37 -2.86 0.00	30.00 -2.83 0.00	30.46 -2.73 0.00	36.57 -2.90 0.00	38.85 -3.16 0.00	70.10 -7.01 0.00	32.07 -3.68 0.00	33.55 -4.57 1.28	31.26 -3.91 0.83	30.60 -4.53 5.76	27.83 -4.99 12.48	21.21 -4.33 11.36	27.52 -4.43 3.33	25.41 -4.69 8.17	24.69 -4.17 2.98	33.99 -5.21 0.81	36.41 -5.21 0.00	41.42 -4.49 0.00	41.32 -4.50 0.00	32.27 -3.64 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
NIAGARA_115E_LBMP 323715	46.14 -4.79 0.00	29.82 -3.38 0.00	29.10 -3.14 0.00	29.78 -3.05 0.00	30.23 -2.97 0.00	36.32 -3.15 0.00	38.57 -3.43 0.00	69.63 -7.49 0.00	32.04 -3.72 0.00	33.53 -4.58 1.28	31.27 -3.90 0.83	30.72 -4.42 5.73	27.97 -4.88 12.45	21.38 -4.24 11.27	27.62 -4.35 3.31	25.54 -4.59 8.14	24.71 -4.16 2.97	33.91 -5.28 0.81	36.26 -5.36 0.00	41.26 -4.65 0.00	41.18 -4.64 0.00	32.16 -3.74 0.00	31.29 -3.31 0.00	30.03 -3.18 0.00
NIAGARA_115W_LBMP 323714	46.39 -4.54 0.00	30.04 -3.16 0.00	29.31 -2.93 0.00	29.93 -2.90 0.00	30.38 -2.81 0.00	36.47 -2.99 0.00	38.74 -3.26 0.00	69.91 -7.21 0.00	31.97 -3.79 0.00	33.45 -4.67 1.27	31.17 -4.00 0.82	30.56 -4.61 5.71	27.84 -5.08 12.38	21.22 -4.40 11.27	27.47 -4.51 3.30	25.41 -4.76 8.11	24.64 -4.25 2.95	33.88 -5.32 0.80	36.30 -5.33 0.00	41.27 -4.64 0.00	41.18 -4.64 0.00	32.16 -3.75 0.00	31.21 -3.39 0.00	29.97 -3.24 0.00
NIAGARA_230_LBMP 323716	46.60 -4.33 0.00	30.18 -3.02 0.00	29.45 -2.79 0.00	30.08 -2.75 0.00	30.53 -2.66 0.00	36.62 -2.84 0.00	38.91 -3.10 0.00	70.34 -6.78 0.00	32.33 -3.43 0.00	33.88 -4.28 1.22	31.55 -3.65 0.80	31.07 -4.37 5.44	28.62 -4.84 11.84	21.95 -4.20 10.74	27.92 -4.22 3.14	26.01 -4.54 7.72	25.04 -3.98 2.82	34.31 -4.91 0.78	36.73 -4.90 0.00	41.71 -4.20 0.00	41.64 -4.18 0.00	32.52 -3.38 0.00	31.54 -3.05 0.00	30.28 -2.93 0.00
NIAGARA___115KV_198_GIBSON 55903	46.39 -4.54 0.00	30.05 -3.15 0.00	29.31 -2.93 0.00	30.05 -2.78 0.00	30.43 -2.76 0.00	36.46 -3.01 0.00	38.74 -3.26 0.00	69.93 -7.19 0.00	32.00 -3.76 0.00	33.49 -4.63 1.27	31.15 -4.02 0.82	30.55 -4.63 5.71	27.79 -5.12 12.38	21.11 -4.51 11.27	27.44 -4.54 3.30	25.34 -4.83 8.11	24.62 -4.26 2.95	33.88 -5.32 0.80	36.31 -5.31 0.00	41.28 -4.63 0.00	41.17 -4.65 0.00	32.17 -3.74 0.00	31.21 -3.39 0.00	29.97 -3.25 0.00
NIAGARA____ 23760	46.60 -4.33 0.00	30.18 -3.02 0.00	29.45 -2.79 0.00	30.08 -2.75 0.00	30.53 -2.66 0.00	36.62 -2.84 0.00	38.91 -3.10 0.00	70.34 -6.78 0.00	32.33 -3.43 0.00	33.88 -4.28 1.23	31.55 -3.65 0.81	31.02 -4.37 5.49	28.51 -4.84 11.96	21.85 -4.20 10.85	27.88 -4.22 3.18	25.93 -4.54 7.80	25.01 -3.98 2.85	34.31 -4.91 0.79	36.73 -4.90 0.00	41.71 -4.20 0.00	41.64 -4.18 0.00	32.52 -3.38 0.00	31.54 -3.05 0.00	30.28 -2.93 0.00
NINE_MILE_1 23575	49.14 -1.79 0.00	32.08 -1.12 0.00	31.17 -1.07 0.00	31.75 -1.08 0.00	32.12 -1.08 0.00	38.20 -1.27 0.00	40.59 -1.42 0.00	74.38 -2.74 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.68 -1.32 0.00	39.34 -1.55 0.00	43.58 -1.73 0.00	35.46 -1.43 0.00	33.89 -1.40 0.00	36.76 -1.52 0.00	30.56 -1.28 0.00	38.41 -1.60 0.00	39.98 -1.64 0.00	44.21 -1.70 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.33 -1.26 0.00	32.03 -1.17 0.00
NINE_MILE_2 23744	49.15 -1.78 0.00	32.08 -1.12 0.00	31.17 -1.07 0.00	31.75 -1.08 0.00	32.12 -1.07 0.00	38.21 -1.26 0.00	40.59 -1.42 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.69 -1.31 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.42 0.00	33.89 -1.39 0.00	36.76 -1.51 0.00	30.56 -1.27 0.00	38.41 -1.59 0.00	39.99 -1.64 0.00	44.22 -1.69 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.33 -1.26 0.00	32.04 -1.17 0.00
NM_CAPITAL___DRP 24208	51.57 0.64 0.00	33.68 0.48 0.00	32.65 0.41 0.00	33.22 0.39 0.00	33.54 0.34 0.00	39.67 0.21 0.00	42.26 0.26 0.00	77.76 0.64 0.00	36.14 0.38 0.00	39.84 0.44 0.00	36.40 0.40 0.00	41.36 0.48 0.00	45.85 0.56 0.00	37.59 0.69 0.00	35.93 0.65 0.00	39.05 0.78 0.00	32.49 0.65 0.00	40.70 0.69 0.00	42.25 0.62 0.00	46.38 0.47 0.00	46.45 0.62 0.00	36.36 0.45 0.00	35.10 0.50 0.00	33.66 0.46 0.00
NM_CENTRAL___DRP 24181	50.00 -0.93 0.00	32.61 -0.59 0.00	31.68 -0.56 0.00	32.29 -0.54 0.00	32.67 -0.53 0.00	38.89 -0.58 0.00	41.36 -0.64 0.00	75.86 -1.26 0.00	35.18 -0.57 0.00	38.71 -0.69 0.00	35.39 -0.61 0.00	40.13 -0.75 0.00	44.41 -0.89 0.00	36.14 -0.75 0.00	34.54 -0.74 0.00	37.45 -0.82 0.00	31.12 -0.71 0.00	39.11 -0.90 0.00	40.71 -0.91 0.00	45.08 -0.83 0.00	45.07 -0.75 0.00	35.23 -0.67 0.00	33.97 -0.62 0.00	32.59 -0.62 0.00

NM_FRONTIER___DRP 24179	46.39 -4.54 0.00	30.05 -3.15 0.00	29.31 -2.93 0.00	30.05 -2.78 0.00	30.43 -2.76 0.00	36.46 -3.01 0.00	38.74 -3.26 0.00	69.93 -7.19 0.00	32.00 -3.76 0.00	33.49 -4.63 1.27	31.15 -4.02 0.82	30.55 -4.63 5.71	27.79 -5.12 12.38	21.11 -4.51 11.27	27.44 -4.54 3.30	25.34 -4.83 8.11	24.62 -4.26 2.95	33.88 -5.32 0.80	36.31 -5.31 0.00	41.28 -4.63 0.00	41.17 -4.65 0.00	32.17 -3.74 0.00	31.21 -3.39 0.00	29.97 -3.25 0.00
NM_ST_REGIS___HYD 24053	50.76 -0.17 0.00	33.06 -0.14 0.00	32.13 -0.11 0.00	32.67 -0.16 0.00	33.08 -0.12 0.00	39.48 0.01 0.00	42.14 0.13 0.00	77.30 0.18 0.00	35.75 -0.01 0.00	39.27 -0.12 0.00	35.85 -0.15 0.00	40.76 -0.13 0.00	45.29 -0.01 0.00	36.95 0.06 0.00	35.35 0.07 0.00	38.13 -0.14 0.00	31.85 0.01 0.00	40.21 0.21 0.00	42.01 0.39 0.00	46.35 0.44 0.00	46.02 0.20 0.00	36.25 0.35 0.00	34.69 0.10 0.00	33.24 0.03 0.00
NORTHPORT___1 23551	54.04 3.11 0.00	34.97 1.77 0.00	33.83 1.59 0.00	34.39 1.56 0.00	34.77 1.58 0.00	41.42 1.96 0.00	44.47 2.46 0.00	81.63 4.51 0.00	38.05 2.29 0.00	42.62 2.59 -0.64	45.06 2.21 -6.86	42.96 2.59 0.51	43.65 2.61 4.26	43.00 2.43 -3.68	40.66 2.51 -2.87	40.45 2.44 0.27	33.79 1.99 0.04	35.94 2.22 6.28	39.27 1.89 4.24	46.61 1.85 1.15	47.78 1.96 0.00	33.73 1.51 3.68	31.06 1.79 5.33	21.05 1.96 14.11
NORTHPORT___2 23552	54.04 3.11 0.00	34.97 1.77 0.00	33.83 1.59 0.00	34.39 1.56 0.00	34.77 1.58 0.00	41.42 1.96 0.00	44.47 2.46 0.00	81.63 4.51 0.00	38.05 2.29 0.00	42.62 2.59 -0.64	45.06 2.21 -6.86	42.96 2.59 0.51	43.65 2.61 4.26	43.00 2.43 -3.68	40.66 2.51 -2.87	40.45 2.44 0.27	33.79 1.99 0.04	35.94 2.22 6.28	39.27 1.89 4.24	46.61 1.85 1.15	47.78 1.96 0.00	33.73 1.51 3.68	31.06 1.79 5.33	21.05 1.96 14.11
NORTHPORT___3 23553	53.80 2.87 0.00	34.82 1.62 0.00	33.68 1.44 0.00	34.24 1.41 0.00	34.61 1.42 0.00	41.21 1.75 0.00	44.23 2.23 0.00	81.27 4.15 0.00	37.91 2.16 0.00	42.42 2.46 -0.57	43.88 2.19 -5.69	41.68 2.51 1.71	43.03 2.55 4.82	42.36 2.29 -3.18	40.43 2.32 -2.83	40.28 2.32 0.32	33.67 1.90 0.07	35.71 2.13 6.42	39.11 1.81 4.33	46.50 1.76 1.18	47.70 1.88 0.01	33.59 1.44 3.76	30.84 1.69 5.44	20.62 1.81 14.39
NORTHPORT___4 23650	53.80 2.87 0.00	34.82 1.62 0.00	33.68 1.44 0.00	34.24 1.41 0.00	34.61 1.42 0.00	41.21 1.75 0.00	44.23 2.23 0.00	81.27 4.15 0.00	37.91 2.16 0.00	42.42 2.46 -0.57	43.88 2.19 -5.69	41.68 2.51 1.71	43.03 2.55 4.82	42.36 2.29 -3.18	40.43 2.32 -2.83	40.28 2.32 0.32	33.67 1.90 0.07	35.71 2.13 6.42	39.11 1.81 4.33	46.50 1.76 1.18	47.70 1.88 0.01	33.59 1.44 3.76	30.84 1.69 5.44	20.62 1.81 14.39
NORTHPORT___IC 23718	54.04 3.11 0.00	34.97 1.77 0.00	33.83 1.59 0.00	34.38 1.55 0.00	34.77 1.57 0.00	41.43 1.96 0.00	44.47 2.46 0.00	81.63 4.51 0.00	38.04 2.28 0.00	42.62 2.58 -0.64	45.05 2.20 -6.86	42.97 2.60 0.51	43.65 2.61 4.26	43.04 2.47 -3.68	40.67 2.52 -2.87	40.44 2.44 0.27	33.79 1.99 0.04	35.94 2.22 6.28	39.27 1.89 4.24	46.61 1.85 1.15	47.79 1.97 0.00	33.75 1.53 3.68	31.10 1.83 5.33	21.06 1.97 14.11
NORTH___COUNTRY_ESR 323785	51.45 0.52 0.00	33.53 0.33 0.00	32.56 0.32 0.00	33.12 0.29 0.00	33.52 0.33 0.00	39.99 0.52 0.00	42.60 0.60 0.00	78.15 1.03 0.00	36.16 0.40 0.00	39.76 0.37 0.00	36.29 0.30 0.00	41.32 0.44 0.00	45.91 0.61 0.00	37.36 0.46 0.00	35.76 0.48 0.00	38.70 0.43 0.00	32.28 0.45 0.00	40.69 0.68 0.00	42.46 0.84 0.00	46.97 1.06 0.00	46.63 0.81 0.00	36.57 0.67 0.00	35.06 0.46 0.00	33.63 0.42 0.00
NPX_GEN_1385_PROXY 323591	54.04 3.11 0.00	34.96 1.76 0.00	33.83 1.59 0.00	34.44 1.61 0.00	34.81 1.62 0.00	41.48 2.01 0.00	44.56 2.55 0.00	81.92 4.80 0.00	38.00 2.35 0.11	42.62 2.58 -0.64	45.05 2.19 -6.86	42.94 2.56 0.51	43.65 2.61 4.26	43.00 2.43 -3.68	40.66 2.51 -2.87	40.52 2.52 0.27	56.69 2.10 -22.75	36.02 2.31 6.28	39.41 2.03 4.24	46.77 2.01 1.15	47.95 2.13 0.00	33.73 1.51 3.68	31.05 1.78 5.33	21.04 1.94 14.11
NPX_GEN_CSC 323557	54.64 3.71 0.00	35.32 2.12 0.00	34.15 1.91 0.00	34.69 1.87 0.00	35.09 1.89 0.00	41.83 2.36 0.00	44.96 2.95 0.00	82.49 5.37 0.00	38.36 2.72 0.11	43.22 3.08 -0.75	47.09 2.73 -8.36	45.06 3.24 -0.94	45.05 3.33 3.59	44.40 3.09 -4.41	41.81 3.04 -3.48	41.43 3.01 -0.15	34.77 2.60 -0.34	37.48 3.04 5.56	40.39 2.54 3.77	47.34 2.46 1.02	48.39 2.58 0.00	34.64 2.00 3.27	32.14 2.25 4.71	23.11 2.45 12.55
NSINS_S_GLNS_FALLS 23858	52.93 2.00 0.00	34.47 1.28 0.00	33.41 1.17 0.00	34.01 1.18 0.00	34.40 1.20 0.00	40.87 1.41 0.00	43.74 1.73 0.00	80.53 3.42 0.00	37.33 1.58 0.00	41.35 1.95 0.00	37.69 1.69 0.00	42.98 2.10 0.00	47.63 2.33 0.00	38.95 2.06 0.00	37.24 1.96 0.00	40.49 2.22 0.00	33.63 1.79 0.00	42.32 2.31 0.00	43.99 2.37 0.00	48.26 2.35 0.00	48.30 2.48 0.00	37.55 1.64 0.00	36.22 1.62 0.00	34.59 1.38 0.00
NUCOR_STEEL___DRP 24197	50.50 -0.43 0.00	32.94 -0.26 0.00	31.87 -0.37 0.00	32.47 -0.36 0.00	32.98 -0.22 0.00	39.18 -0.29 0.00	41.83 -0.17 0.00	76.67 -0.45 0.00	35.55 -0.20 0.00	39.45 -0.33 -0.39	36.12 -0.27 -0.39	40.41 -0.57 -0.09	45.64 -0.52 -0.86	36.42 -0.47 0.00	34.81 -0.47 0.00	37.76 -0.52 0.00	31.41 -0.58 -0.15	39.84 -0.54 -0.37	41.13 -0.49 0.00	45.41 -0.50 0.00	45.52 -0.31 0.00	35.59 -0.31 0.00	34.27 -0.32 0.00	32.87 -0.34 0.00
NUMBER_THREE_WT_PWR 323818	50.92 0.00 0.00	33.18 -0.02 0.00	32.25 0.01 0.00	32.87 0.04 0.00	33.24 0.05 0.00	39.59 0.12 0.00	42.26 0.25 0.00	77.52 0.40 0.00	35.92 0.16 0.00	39.57 0.17 0.00	36.16 0.16 0.00	40.97 0.09 0.00	45.30 0.00 0.00	36.86 -0.04 0.00	35.21 -0.07 0.00	38.15 -0.12 0.00	31.68 -0.16 0.00	39.99 -0.01 0.00	41.70 0.08 0.00	46.23 0.32 0.00	46.44 0.62 0.00	36.31 0.40 0.00	34.81 0.22 0.00	33.31 0.10 0.00
NYISO_LBMP_REFERENCE 24008	50.93 0.00 0.00	33.20 0.00 0.00	32.24 0.00 0.00	32.83 0.00 0.00	33.19 0.00 0.00	39.47 0.00 0.00	42.00 0.00 0.00	77.12 0.00 0.00	35.76 0.00 0.00	39.39 0.00 0.00	36.00 0.00 0.00	40.88 0.00 0.00	45.30 0.00 0.00	36.89 0.00 0.00	35.28 0.00 0.00	38.27 0.00 0.00	31.84 0.00 0.00	40.00 0.00 0.00	41.62 0.00 0.00	45.91 0.00 0.00	45.82 0.00 0.00	35.90 0.00 0.00	34.59 0.00 0.00	33.21 0.00 0.00
NYPA_BRENTWD____GT 24164	54.43 3.50 0.00	35.20 2.00 0.00	34.04 1.80 0.00	34.60 1.77 0.00	34.98 1.78 0.00	41.69 2.22 0.00	44.79 2.79 0.00	82.29 5.18 0.00	38.42 2.67 0.00	43.31 3.06 -0.86	48.65 2.65 -10.01	46.45 3.04 -2.53	45.67 3.27 2.90	45.05 2.94 -5.22	42.46 2.93 -4.25	41.88 2.95 -0.66	35.06 2.43 -0.79	38.13 2.79 4.66	40.93 2.49 3.19	47.56 2.51 0.86	48.47 2.65 0.00	35.19 2.04 2.75	32.91 2.25 3.93	24.97 2.36 10.60

NYPA_GOWANUS____GT5 24156	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.43 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NYPA_GOWANUS____GT6 24157	53.58 2.65 0.00	34.86 1.65 0.00	33.74 1.50 0.00	34.37 1.54 0.00	34.74 1.55 0.00	41.28 1.81 0.00	44.28 2.26 -0.01	84.52 4.19 -3.21	49.24 2.18 -11.29	73.85 2.42 -32.04	60.94 2.27 -22.67	58.48 2.54 -15.06	82.41 2.69 -34.41	60.95 2.18 -21.87	49.43 2.10 -12.06	60.94 2.28 -20.38	59.27 1.92 -25.51	51.42 2.22 -9.20	47.99 2.10 -4.26	54.08 2.01 -6.16	66.56 2.50 -18.24	49.74 2.03 -11.81	48.41 2.10 -11.72	35.29 2.07 -0.01
NYPA_HARLEM__RVR__GT1 24160	53.48 2.55 0.00	34.74 1.54 0.00	33.57 1.32 0.00	34.16 1.32 0.00	34.53 1.34 0.00	41.03 1.57 0.00	43.99 1.99 0.00	80.94 3.83 0.00	37.82 2.07 0.00	41.62 2.23 0.00	38.11 2.12 0.00	43.25 2.37 0.00	47.80 2.50 0.00	39.00 2.11 0.00	37.27 1.99 0.00	40.39 2.12 0.00	33.63 1.79 0.00	42.04 2.03 0.00	43.54 1.92 0.00	47.72 1.81 0.00	48.07 2.24 0.00	37.60 1.70 0.00	36.36 1.76 0.00	35.02 1.81 0.00
NYPA_HARLEM__RVR__GT2 24161	53.48 2.55 0.00	34.74 1.54 0.00	33.57 1.32 0.00	34.16 1.32 0.00	34.53 1.34 0.00	41.03 1.57 0.00	43.99 1.99 0.00	80.94 3.83 0.00	37.82 2.07 0.00	41.62 2.23 0.00	38.11 2.12 0.00	43.25 2.37 0.00	47.80 2.50 0.00	39.00 2.11 0.00	37.27 1.99 0.00	40.39 2.12 0.00	33.63 1.79 0.00	42.04 2.03 0.00	43.54 1.92 0.00	47.72 1.81 0.00	48.07 2.24 0.00	37.60 1.70 0.00	36.36 1.76 0.00	35.02 1.81 0.00
NYPA_KENT____GT 24152	53.55 2.62 0.00	34.81 1.60 0.00	33.70 1.46 0.00	34.30 1.47 0.00	34.67 1.47 0.00	41.20 1.73 0.00	44.20 2.18 -0.01	83.20 4.14 -1.94	44.78 2.18 -6.84	61.21 2.41 -19.41	52.00 2.27 -13.73	52.55 2.54 -9.12	68.85 2.70 -20.84	52.34 2.20 -13.25	44.69 2.11 -7.30	52.91 2.29 -12.34	49.22 1.93 -15.45	47.80 2.22 -5.57	46.31 2.10 -2.58	51.68 2.03 -3.73	59.35 2.48 -11.05	45.04 1.97 -7.15	43.75 2.05 -7.10	35.24 2.02 -0.01
NYPA_POUCH1____GT 24155	53.48 2.55 0.00	34.84 1.64 0.00	33.79 1.55 0.00	34.46 1.63 0.00	34.82 1.63 0.00	41.40 1.93 0.00	44.34 2.32 -0.01	84.34 4.02 -3.21	49.08 2.03 -11.29	73.68 2.25 -32.04	60.84 2.18 -22.67	57.70 2.34 -14.47	82.18 2.46 -34.41	60.76 1.99 -21.87	49.29 1.95 -12.06	60.75 2.10 -20.38	59.12 1.77 -25.51	51.23 2.03 -9.20	47.80 1.91 -4.26	53.87 1.80 -6.16	66.44 2.38 -18.24	49.76 2.05 -11.81	48.45 2.14 -11.72	35.35 2.13 -0.01
NYPA_VERNON____GT2 24162	53.52 2.59 0.00	34.77 1.57 0.00	33.64 1.41 0.00	34.24 1.41 0.00	34.60 1.40 0.00	41.10 1.63 0.00	44.11 2.11 0.00	81.91 4.11 -0.68	40.33 2.18 -2.39	48.57 2.40 -6.78	43.04 2.24 -4.80	46.62 2.55 -3.19	55.29 2.71 -7.28	43.74 2.22 -4.63	39.96 2.13 -2.55	44.88 2.30 -4.31	39.17 1.93 -5.40	44.18 2.23 -1.95	44.63 2.10 -0.90	49.25 2.04 -1.30	52.15 2.47 -3.86	40.32 1.92 -2.50	39.07 1.99 -2.48	35.18 1.97 0.00
NYPA_VERNON____GT3 24163	53.52 2.59 0.00	34.77 1.57 0.00	33.64 1.41 0.00	34.24 1.41 0.00	34.60 1.40 0.00	41.10 1.63 0.00	44.11 2.11 0.00	81.91 4.11 -0.68	40.33 2.18 -2.39	48.57 2.40 -6.78	43.04 2.24 -4.80	46.62 2.55 -3.19	55.29 2.71 -7.28	43.74 2.22 -4.63	39.96 2.13 -2.55	44.88 2.30 -4.31	39.17 1.93 -5.40	44.18 2.23 -1.95	44.63 2.10 -0.90	49.25 2.04 -1.30	52.15 2.47 -3.86	40.32 1.92 -2.50	39.07 1.99 -2.48	35.18 1.97 0.00
NYPA____ASTORIA_CC1 323568	53.43 2.51 0.00	34.72 1.51 0.00	33.60 1.36 0.00	34.19 1.36 0.00	34.55 1.36 0.00	41.04 1.57 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.87 2.12 0.00	41.72 2.33 0.00	38.17 2.17 0.00	43.35 2.47 0.00	47.92 2.63 0.00	39.05 2.16 0.00	37.34 2.07 0.00	40.50 2.23 0.00	33.72 1.89 0.00	42.15 2.15 0.00	43.66 2.04 0.00	47.86 1.95 0.00	48.20 2.37 0.00	37.75 1.85 0.00	36.54 1.94 0.00	35.13 1.92 0.00
NYPA____ASTORIA_CC2 323569	53.43 2.51 0.00	34.72 1.51 0.00	33.60 1.36 0.00	34.19 1.36 0.00	34.55 1.36 0.00	41.04 1.57 0.00	44.04 2.04 0.00	81.08 3.96 0.00	37.87 2.12 0.00	41.72 2.33 0.00	38.17 2.17 0.00	43.35 2.47 0.00	47.92 2.63 0.00	39.05 2.16 0.00	37.34 2.07 0.00	40.50 2.23 0.00	33.72 1.89 0.00	42.15 2.15 0.00	43.66 2.04 0.00	47.86 1.95 0.00	48.20 2.37 0.00	37.75 1.85 0.00	36.54 1.94 0.00	35.13 1.92 0.00
NYPA____HOLTSVILL 23794	54.13 3.20 0.00	35.01 1.81 0.00	33.86 1.62 0.00	34.42 1.59 0.00	34.79 1.60 0.00	41.46 1.99 0.00	44.54 2.53 0.00	81.72 4.61 0.00	38.19 2.44 0.00	42.92 2.79 -0.74	46.68 2.46 -8.22	44.60 2.91 -0.81	44.65 3.00 3.65	43.96 2.73 -4.34	41.41 2.72 -3.42	41.08 2.70 -0.10	34.40 2.26 -0.30	36.97 2.60 5.63	40.08 2.27 3.81	47.09 2.22 1.03	48.14 2.32 0.00	34.41 1.81 3.30	31.92 2.09 4.76	22.78 2.26 12.68
NYPA____HELLGATE_GT1 24158	53.48 2.55 0.00	34.74 1.54 0.00	33.57 1.32 0.00	34.16 1.32 0.00	34.53 1.34 0.00	41.03 1.57 0.00	43.99 1.99 0.00	80.94 3.83 0.00	37.82 2.07 0.00	41.62 2.23 0.00	38.11 2.12 0.00	43.25 2.37 0.00	47.80 2.50 0.00	39.00 2.11 0.00	37.27 1.99 0.00	40.39 2.12 0.00	33.63 1.79 0.00	42.04 2.03 0.00	43.54 1.92 0.00	47.72 1.81 0.00	48.07 2.24 0.00	37.60 1.70 0.00	36.36 1.76 0.00	35.02 1.81 0.00
NYPA____HELLGATE_GT2 24159	53.48 2.55 0.00	34.74 1.54 0.00	33.57 1.32 0.00	34.16 1.32 0.00	34.53 1.34 0.00	41.03 1.57 0.00	43.99 1.99 0.00	80.94 3.83 0.00	37.82 2.07 0.00	41.62 2.23 0.00	38.11 2.12 0.00	43.25 2.37 0.00	47.80 2.50 0.00	39.00 2.11 0.00	37.27 1.99 0.00	40.39 2.12 0.00	33.63 1.79 0.00	42.04 2.03 0.00	43.54 1.92 0.00	47.72 1.81 0.00	48.07 2.24 0.00	37.60 1.70 0.00	36.36 1.76 0.00	35.02 1.81 0.00
NYS_BARGE____HYD 23848	46.91 -4.02 0.00	30.34 -2.86 0.00	29.59 -2.65 0.00	30.27 -2.56 0.00	30.71 -2.48 0.00	36.91 -2.56 0.00	39.23 -2.78 0.00	70.91 -6.21 0.00	32.57 -3.19 0.00	34.14 -4.03 1.21	31.77 -3.42 0.80	31.56 -3.98 5.35	29.24 -4.40 11.67	22.52 -3.84 10.53	28.26 -3.93 3.09	26.48 -4.20 7.59	25.27 -3.79 2.78	34.45 -4.77 0.78	36.85 -4.77 0.00	41.95 -3.96 0.00	41.92 -3.90 0.00	32.74 -3.17 0.00	31.81 -2.79 0.00	30.49 -2.72 0.00
OAK ORCHARD____HYD 24046	48.63 -2.30 0.00	31.59 -1.62 0.00	30.75 -1.49 0.00	31.37 -1.46 0.00	31.80 -1.39 0.00	38.05 -1.42 0.00	40.52 -1.49 0.00	73.84 -3.28 0.00	34.01 -1.74 0.00	36.64 -2.21 0.54	33.59 -1.87 0.54	38.42 -2.33 0.13	41.46 -2.56 1.28	34.65 -2.25 0.00	32.96 -2.32 0.00	35.73 -2.55 0.00	29.40 -2.21 0.22	36.75 -2.71 0.55	38.97 -2.65 0.00	43.82 -2.09 0.00	43.82 -2.00 0.00	34.24 -1.67 0.00	33.03 -1.56 0.00	31.66 -1.55 0.00

OAKDALE___35_KV_LOAD 356122	50.56 -0.37 0.00	32.92 -0.28 0.00	31.98 -0.26 0.00	32.64 -0.19 0.00	32.99 -0.20 0.00	39.32 -0.14 0.00	41.82 -0.19 0.00	76.70 -0.42 0.00	35.59 -0.17 0.00	38.62 -0.24 0.54	35.22 -0.24 0.54	40.48 -0.28 0.13	43.71 -0.39 1.21	36.48 -0.41 0.00	34.87 -0.41 0.00	37.81 -0.47 0.00	31.21 -0.47 0.15	38.86 -0.64 0.51	41.03 -0.59 0.00	45.57 -0.34 0.00	45.59 -0.23 0.00	35.64 -0.26 0.00	34.44 -0.16 0.00	32.93 -0.28 0.00
OCC_CHEM___DRP 24175	46.50 -4.43 0.00	30.12 -3.08 0.00	29.38 -2.86 0.00	30.12 -2.71 0.00	30.50 -2.69 0.00	36.56 -2.91 0.00	38.85 -3.16 0.00	70.11 -7.01 0.00	32.10 -3.65 0.00	33.59 -4.53 1.28	31.25 -3.92 0.83	30.58 -4.54 5.76	27.79 -5.03 12.48	21.09 -4.44 11.36	27.50 -4.46 3.33	25.35 -4.75 8.17	24.68 -4.18 2.98	33.99 -5.21 0.81	36.43 -5.19 0.00	41.42 -4.49 0.00	41.31 -4.51 0.00	32.28 -3.63 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
OH_GEN_PROXY 24063	46.68 -4.25 0.00	30.25 -2.95 0.00	29.50 -2.74 0.00	30.14 -2.70 0.00	30.59 -2.61 0.00	36.69 -2.78 0.00	38.97 -3.04 0.00	70.54 -6.57 0.00	32.31 -3.33 0.11	34.06 -4.15 1.18	31.66 -3.55 0.79	31.65 -4.25 4.99	29.63 -4.71 10.96	22.98 -4.10 9.81	28.29 -4.12 2.87	26.78 -4.44 7.06	25.36 -3.88 2.60	34.44 -4.79 0.77	36.85 -4.77 0.00	41.85 -4.06 0.00	41.78 -4.04 0.00	32.63 -3.28 0.00	31.63 -2.97 0.00	30.34 -2.87 0.00
OLIN_CORP_DRP 24177	46.25 -4.67 0.00	29.92 -3.28 0.00	29.18 -3.06 0.00	29.97 -2.86 0.00	30.35 -2.85 0.00	36.40 -3.06 0.00	38.68 -3.33 0.00	69.84 -7.28 0.00	32.14 -3.62 0.00	33.63 -4.47 1.30	31.32 -3.83 0.84	30.65 -4.39 5.84	27.77 -4.87 12.67	21.10 -4.31 11.48	27.58 -4.32 3.37	25.37 -4.61 8.29	24.70 -4.11 3.02	33.99 -5.19 0.82	36.39 -5.23 0.00	41.38 -4.53 0.00	41.29 -4.53 0.00	32.26 -3.64 0.00	31.36 -3.23 0.00	30.10 -3.11 0.00
OLIN_CORP_DSASP 323712	46.50 -4.43 0.00	30.11 -3.09 0.00	29.37 -2.86 0.00	30.00 -2.83 0.00	30.46 -2.73 0.00	36.57 -2.90 0.00	38.85 -3.16 0.00	70.10 -7.01 0.00	32.07 -3.68 0.00	33.55 -4.57 1.28	31.26 -3.91 0.83	30.60 -4.53 5.76	27.83 -4.99 12.48	21.21 -4.33 11.36	27.52 -4.43 3.33	25.41 -4.69 8.17	24.69 -4.17 2.98	33.99 -5.21 0.81	36.41 -5.21 0.00	41.42 -4.49 0.00	41.32 -4.50 0.00	32.27 -3.64 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
ONEIDA_HERK_LFGE 323681	51.46 0.54 0.00	33.52 0.33 0.00	32.56 0.32 0.00	33.19 0.36 0.00	33.56 0.36 0.00	39.96 0.49 0.00	42.65 0.64 0.00	78.32 1.20 0.00	36.34 0.58 0.00	40.03 0.64 0.00	36.59 0.60 0.00	41.50 0.61 0.00	45.88 0.58 0.00	37.35 0.46 0.00	35.71 0.43 0.00	38.71 0.43 0.00	32.14 0.31 0.00	40.49 0.48 0.00	42.18 0.55 0.00	46.65 0.74 0.00	46.72 0.90 0.00	36.51 0.61 0.00	35.10 0.50 0.00	33.60 0.39 0.00
ONEIDA___115KV_TB4 55905	51.75 0.82 0.00	33.69 0.49 0.00	32.72 0.48 0.00	33.35 0.51 0.00	33.71 0.52 0.00	40.18 0.71 0.00	42.87 0.86 0.00	78.76 1.64 0.00	36.58 0.82 0.00	40.28 0.89 0.00	36.85 0.85 0.00	41.77 0.89 0.00	46.14 0.84 0.00	37.56 0.66 0.00	35.91 0.63 0.00	38.92 0.64 0.00	32.33 0.50 0.00	40.69 0.68 0.00	42.38 0.76 0.00	46.87 0.96 0.00	46.87 1.04 0.00	36.60 0.70 0.00	35.21 0.61 0.00	33.70 0.49 0.00
ONONDAGA_REF_OCCRA 23987	50.34 -0.58 0.00	32.83 -0.37 0.00	31.89 -0.35 0.00	32.50 -0.33 0.00	32.88 -0.32 0.00	39.15 -0.31 0.00	41.66 -0.35 0.00	76.44 -0.68 0.00	35.46 -0.30 0.00	39.28 -0.38 -0.27	35.94 -0.33 -0.27	40.52 -0.43 -0.06	45.38 -0.54 -0.61	36.41 -0.49 0.00	34.78 -0.50 0.00	37.74 -0.54 0.00	31.47 -0.47 -0.11	39.69 -0.58 -0.27	41.04 -0.58 0.00	45.45 -0.46 0.00	45.43 -0.39 0.00	35.51 -0.39 0.00	34.23 -0.37 0.00	32.82 -0.39 0.00
ONONDAGA___COGEN 23986	50.18 -0.75 0.00	32.74 -0.46 0.00	31.78 -0.45 0.00	32.38 -0.45 0.00	32.78 -0.41 0.00	39.01 -0.45 0.00	41.50 -0.50 0.00	76.11 -1.01 0.00	35.31 -0.45 0.00	38.83 -0.56 0.00	35.50 -0.49 0.00	40.24 -0.64 0.00	44.55 -0.75 0.00	36.26 -0.64 0.00	34.65 -0.63 0.00	37.59 -0.69 0.00	31.23 -0.60 0.00	39.28 -0.73 0.00	40.90 -0.72 0.00	45.23 -0.68 0.00	45.23 -0.60 0.00	35.36 -0.54 0.00	34.07 -0.52 0.00	32.70 -0.51 0.00
ONTARIO___LFGE 23819	49.81 -1.12 0.00	32.44 -0.76 0.00	31.54 -0.70 0.00	32.16 -0.67 0.00	32.58 -0.62 0.00	38.94 -0.53 0.00	41.48 -0.52 0.00	75.85 -1.26 0.00	35.10 -0.66 0.00	37.83 -0.93 0.63	34.23 -0.82 0.95	43.35 -1.20 -3.67	47.93 -1.29 -3.91	42.73 -1.18 -7.02	36.24 -1.10 -2.06	42.12 -1.23 -5.08	31.97 -1.03 -1.16	37.60 -1.27 1.14	40.45 -1.18 0.00	45.19 -0.72 0.00	45.21 -0.61 0.00	35.27 -0.63 0.00	34.00 -0.60 0.00	32.48 -0.73 0.00
ORANGEVILLE_WT_PWR 323706	48.21 -2.72 0.00	31.29 -1.91 0.00	30.49 -1.75 0.00	31.09 -1.74 0.00	31.47 -1.72 0.00	37.71 -1.76 0.00	39.98 -2.02 0.00	72.67 -4.45 0.00	33.51 -2.24 0.00	33.31 -2.97 3.12	32.00 -2.69 1.30	14.65 -3.31 22.92	-4.22 -3.79 45.73	-12.28 -3.24 45.93	18.63 -3.19 13.45	1.65 -3.47 33.16	17.49 -3.04 11.30	35.08 -3.67 1.25	38.12 -3.50 0.00	43.12 -2.79 0.00	43.19 -2.63 0.00	33.57 -2.34 0.00	32.44 -2.15 0.00	31.02 -2.19 0.00
ORANGEVILLE___ESR 323794	48.21 -2.72 0.00	31.29 -1.91 0.00	30.49 -1.75 0.00	31.09 -1.74 0.00	31.47 -1.72 0.00	37.71 -1.76 0.00	39.98 -2.02 0.00	72.67 -4.45 0.00	33.51 -2.24 0.00	33.31 -2.97 3.12	32.00 -2.69 1.30	14.65 -3.31 22.92	-4.22 -3.79 45.73	-12.28 -3.24 45.93	18.63 -3.19 13.45	1.65 -3.47 33.16	17.49 -3.04 11.30	35.08 -3.67 1.25	38.12 -3.50 0.00	43.12 -2.79 0.00	43.19 -2.63 0.00	33.57 -2.34 0.00	32.44 -2.15 0.00	31.02 -2.19 0.00
OSWEGATCHIE___HYD 24044	50.10 -0.83 0.00	32.64 -0.56 0.00	31.72 -0.51 0.00	32.30 -0.53 0.00	32.68 -0.51 0.00	38.98 -0.48 0.00	41.61 -0.40 0.00	76.35 -0.77 0.00	35.33 -0.42 0.00	38.85 -0.54 0.00	35.48 -0.52 0.00	40.26 -0.62 0.00	44.62 -0.68 0.00	36.39 -0.50 0.00	34.79 -0.49 0.00	37.60 -0.68 0.00	31.30 -0.53 0.00	39.54 -0.46 0.00	41.28 -0.34 0.00	45.63 -0.28 0.00	45.57 -0.25 0.00	35.79 -0.12 0.00	34.27 -0.32 0.00	32.82 -0.39 0.00
OSWEGO___5 23606	49.43 -1.50 0.00	32.27 -0.93 0.00	31.33 -0.91 0.00	31.92 -0.91 0.00	32.31 -0.89 0.00	38.43 -1.04 0.00	40.84 -1.16 0.00	74.87 -2.25 0.00	34.70 -1.06 0.00	38.17 -1.22 0.00	34.90 -1.10 0.00	39.58 -1.30 0.00	43.85 -1.45 0.00	35.68 -1.21 0.00	34.10 -1.18 0.00	36.99 -1.29 0.00	30.74 -1.10 0.00	38.65 -1.35 0.00	40.24 -1.39 0.00	44.49 -1.41 0.00	44.47 -1.35 0.00	34.80 -1.11 0.00	33.55 -1.05 0.00	32.22 -0.99 0.00
OSWEGO___6 23613	49.43 -1.50 0.00	32.27 -0.93 0.00	31.33 -0.91 0.00	31.92 -0.91 0.00	32.31 -0.89 0.00	38.43 -1.04 0.00	40.84 -1.16 0.00	74.87 -2.25 0.00	34.70 -1.06 0.00	38.17 -1.22 0.00	34.90 -1.10 0.00	39.58 -1.30 0.00	43.85 -1.45 0.00	35.68 -1.21 0.00	34.10 -1.18 0.00	36.99 -1.29 0.00	30.74 -1.10 0.00	38.65 -1.35 0.00	40.24 -1.39 0.00	44.49 -1.41 0.00	44.47 -1.35 0.00	34.80 -1.11 0.00	33.55 -1.05 0.00	32.22 -0.99 0.00

OUTOKUMPU-AB___DRP 24206	47.42 -3.50 0.00	30.70 -2.50 0.00	29.93 -2.31 0.00	30.69 -2.15 0.00	31.07 -2.13 0.00	37.25 -2.22 0.00	39.59 -2.41 0.00	71.63 -5.48 0.00	32.90 -2.86 0.00	34.40 -3.65 1.34	32.00 -3.14 0.86	31.06 -3.68 6.14	27.92 -4.11 13.26	21.10 -3.69 12.11	28.02 -3.71 3.55	25.57 -3.99 8.72	25.12 -3.55 3.17	34.76 -4.41 0.84	37.29 -4.34 0.00	42.39 -3.51 0.00	42.33 -3.49 0.00	33.06 -2.84 0.00	32.07 -2.53 0.00	30.73 -2.48 0.00
OXBOW___BTM 323836	46.92 -4.01 0.00	30.37 -2.83 0.00	29.62 -2.62 0.00	30.26 -2.57 0.00	30.70 -2.49 0.00	36.87 -2.60 0.00	39.19 -2.81 0.00	70.80 -6.32 0.00	32.45 -3.30 0.00	33.93 -4.16 1.31	31.61 -3.54 0.85	30.81 -4.12 5.95	27.88 -4.54 12.88	21.18 -3.98 11.74	27.77 -4.08 3.44	25.50 -4.32 8.45	24.89 -3.87 3.07	34.35 -4.83 0.82	36.82 -4.81 0.00	41.87 -4.03 0.00	41.80 -4.02 0.00	32.63 -3.28 0.00	31.66 -2.93 0.00	30.37 -2.84 0.00
OXBOW___ 24026	46.92 -4.01 0.00	30.39 -2.82 0.00	29.63 -2.61 0.00	30.38 -2.45 0.00	30.75 -2.44 0.00	36.87 -2.60 0.00	39.19 -2.82 0.00	70.81 -6.31 0.00	32.47 -3.28 0.00	33.98 -4.11 1.31	31.60 -3.55 0.85	30.80 -4.13 5.95	27.83 -4.59 12.88	21.08 -4.08 11.74	27.74 -4.10 3.44	25.44 -4.39 8.45	24.87 -3.89 3.07	34.35 -4.83 0.82	36.83 -4.79 0.00	41.88 -4.03 0.00	41.79 -4.03 0.00	32.65 -3.26 0.00	31.66 -2.93 0.00	30.37 -2.84 0.00
OXY_CHEM_DSASP 323612	46.50 -4.43 0.00	30.12 -3.08 0.00	29.38 -2.86 0.00	30.12 -2.71 0.00	30.50 -2.69 0.00	36.56 -2.91 0.00	38.85 -3.16 0.00	70.11 -7.01 0.00	32.10 -3.65 0.00	33.59 -4.53 1.28	31.25 -3.92 0.83	30.58 -4.54 5.76	27.79 -5.03 12.48	21.09 -4.44 11.36	27.50 -4.46 3.33	25.35 -4.75 8.17	24.68 -4.18 2.98	33.99 -5.21 0.81	36.43 -5.19 0.00	41.42 -4.49 0.00	41.31 -4.51 0.00	32.28 -3.63 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
OZONE_PARK_ESR 323760	53.85 2.92 0.00	34.93 1.73 0.00	33.80 1.56 0.00	34.36 1.53 0.00	34.74 1.54 0.00	41.29 1.83 0.00	44.35 2.35 0.00	81.74 4.62 0.00	38.17 2.41 0.00	42.07 2.67 0.00	38.48 2.49 0.00	43.72 2.84 0.00	48.36 3.05 0.00	39.39 2.49 0.00	37.65 2.37 0.00	40.84 2.57 0.00	33.99 2.16 0.00	42.51 2.51 0.00	44.04 2.42 0.00	48.35 2.44 0.00	48.67 2.84 0.00	38.08 2.18 0.00	36.83 2.23 0.00	35.37 2.17 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	46.50 -4.43 0.00	30.12 -3.08 0.00	29.38 -2.86 0.00	30.12 -2.71 0.00	30.50 -2.69 0.00	36.56 -2.91 0.00	38.85 -3.16 0.00	70.11 -7.01 0.00	32.10 -3.65 0.00	33.59 -4.53 1.28	31.25 -3.92 0.83	30.58 -4.54 5.76	27.79 -5.03 12.48	21.09 -4.44 11.36	27.50 -4.46 3.33	25.35 -4.75 8.17	24.68 -4.18 2.98	33.99 -5.21 0.81	36.43 -5.19 0.00	41.42 -4.49 0.00	41.31 -4.51 0.00	32.28 -3.63 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
PACKARD__115KV_DUPONT_184 80571	46.50 -4.43 0.00	30.12 -3.08 0.00	29.38 -2.86 0.00	30.12 -2.71 0.00	30.50 -2.69 0.00	36.56 -2.91 0.00	38.85 -3.16 0.00	70.11 -7.01 0.00	32.10 -3.65 0.00	33.59 -4.53 1.28	31.25 -3.92 0.83	30.58 -4.54 5.76	27.79 -5.03 12.48	21.09 -4.44 11.36	27.50 -4.46 3.33	25.35 -4.75 8.17	24.68 -4.18 2.98	33.99 -5.21 0.81	36.43 -5.19 0.00	41.42 -4.49 0.00	41.31 -4.51 0.00	32.28 -3.63 0.00	31.31 -3.29 0.00	30.06 -3.15 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	53.44 2.51 0.00	34.69 1.49 0.00	33.54 1.30 0.00	34.10 1.27 0.00	34.49 1.29 0.00	41.00 1.54 0.00	43.98 1.97 0.00	80.92 3.80 0.00	37.75 1.99 0.00	41.56 2.17 0.00	38.06 2.06 0.00	43.22 2.34 0.00	47.77 2.48 0.00	39.00 2.11 0.00	37.25 1.97 0.00	40.38 2.10 0.00	33.60 1.76 0.00	42.01 2.01 0.00	43.52 1.90 0.00	47.70 1.80 0.00	48.10 2.28 0.00	37.65 1.74 0.00	36.40 1.81 0.00	35.04 1.83 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	54.63 3.70 0.00	35.51 2.31 0.00	34.38 2.14 0.00	34.96 2.13 0.00	35.38 2.18 0.00	42.12 2.65 0.00	45.22 3.22 0.00	83.05 5.93 0.00	38.72 2.97 0.00	42.58 3.18 0.00	39.17 3.18 0.00	44.20 3.32 0.00	48.85 3.56 0.00	39.82 2.93 0.00	37.96 2.68 0.00	41.03 2.75 0.00	34.17 2.33 0.00	42.75 2.74 0.00	44.33 2.71 0.00	48.56 2.65 0.00	48.95 3.13 0.00	38.43 2.52 0.00	37.17 2.57 0.00	35.76 2.55 0.00
PATROON__115KV_TB1 80586	51.57 0.64 0.00	33.70 0.50 0.00	32.66 0.42 0.00	33.24 0.41 0.00	33.57 0.37 0.00	39.72 0.26 0.00	42.35 0.34 0.00	77.91 0.79 0.00	36.23 0.47 0.00	39.92 0.53 0.00	36.51 0.51 0.00	41.45 0.57 0.00	45.95 0.65 0.00	37.67 0.78 0.00	36.00 0.72 0.00	39.11 0.83 0.00	32.54 0.70 0.00	40.77 0.77 0.00	42.32 0.70 0.00	46.47 0.56 0.00	46.53 0.71 0.00	36.43 0.52 0.00	35.14 0.55 0.00	33.71 0.50 0.00
PATTRSNVILLE___SOLAR 323815	52.41 1.49 0.00	34.15 0.95 0.00	33.15 0.90 0.00	33.75 0.92 0.00	34.12 0.92 0.00	40.54 1.08 0.00	43.24 1.24 0.00	79.52 2.40 0.00	36.86 1.10 0.00	40.63 1.24 0.00	37.09 1.09 0.00	42.15 1.26 0.00	46.69 1.39 0.00	38.06 1.17 0.00	36.37 1.09 0.00	39.50 1.22 0.00	32.85 1.01 0.00	41.30 1.30 0.00	42.96 1.34 0.00	47.36 1.45 0.00	47.40 1.58 0.00	37.05 1.14 0.00	35.70 1.11 0.00	34.24 1.03 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	48.35 -2.58 0.00	31.35 -1.85 0.00	30.56 -1.68 0.00	31.31 -1.52 0.00	31.69 -1.51 0.00	37.95 -1.52 0.00	40.30 -1.71 0.00	73.12 -4.00 0.00	33.73 -2.03 0.00	35.23 -2.68 1.49	32.70 -2.31 0.99	31.71 -2.72 6.45	28.17 -3.07 14.05	21.39 -2.85 12.66	28.69 -2.88 3.71	26.03 -3.09 9.15	25.68 -2.81 3.35	35.56 -3.49 0.95	38.24 -3.38 0.00	43.39 -2.52 0.00	43.33 -2.49 0.00	33.85 -2.05 0.00	32.80 -1.80 0.00	31.38 -1.83 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	53.39 2.46 0.00	34.67 1.47 0.00	33.58 1.34 0.00	34.15 1.33 0.00	34.53 1.33 0.00	41.06 1.59 0.00	44.02 2.02 0.00	81.15 4.04 0.00	37.86 2.10 0.00	41.74 2.34 0.00	38.18 2.18 0.00	43.38 2.50 0.00	47.98 2.68 0.00	39.10 2.20 0.00	37.37 2.09 0.00	40.55 2.27 0.00	33.74 1.90 0.00	42.26 2.26 0.00	43.81 2.19 0.00	48.16 2.25 0.00	48.39 2.57 0.00	37.84 1.93 0.00	36.56 1.97 0.00	35.07 1.86 0.00
PEEKSKILL___ 23653	53.02 2.09 0.00	34.41 1.21 0.00	33.32 1.08 0.00	33.91 1.08 0.00	34.27 1.08 0.00	40.73 1.26 0.00	43.66 1.65 0.00	80.42 3.31 0.00	37.50 1.75 0.00	41.34 1.95 0.00	37.79 1.80 0.00	42.94 2.05 0.00	47.50 2.20 0.00	38.68 1.79 0.00	37.00 1.71 0.00	40.14 1.87 0.00	33.40 1.56 0.00	41.83 1.83 0.00	43.37 1.74 0.00	47.64 1.73 0.00	47.91 2.09 0.00	37.48 1.58 0.00	36.26 1.67 0.00	34.81 1.60 0.00
PGE MADISON___WINDPWR 24146	54.18 3.25 0.00	35.18 1.97 0.00	34.14 1.90 0.00	34.88 2.04 0.00	35.31 2.11 0.00	42.34 2.87 0.00	45.30 3.30 0.00	83.41 6.29 0.00	39.96 4.20 0.00	45.98 4.58 -2.00	41.89 3.99 -1.90	46.70 4.13 -1.69	56.39 4.16 -6.93	41.69 2.25 -2.55	38.00 1.97 -0.75	42.30 2.20 -1.83	34.74 1.72 -1.18	43.50 2.11 -1.38	43.74 2.11 0.00	48.51 2.60 0.00	48.37 2.55 0.00	37.85 1.95 0.00	36.16 1.57 0.00	34.15 0.94 0.00

PIERCEFIELD___HYD 23852	50.42 -0.50 0.00	32.85 -0.35 0.00	31.93 -0.31 0.00	32.48 -0.35 0.00	32.86 -0.33 0.00	39.24 -0.23 0.00	41.86 -0.15 0.00	76.77 -0.35 0.00	35.50 -0.25 0.00	38.98 -0.41 0.00	35.58 -0.41 0.00	40.45 -0.43 0.00	44.94 -0.36 0.00	36.71 -0.18 0.00	35.12 -0.17 0.00	37.86 -0.41 0.00	31.61 -0.22 0.00	39.93 -0.08 0.00	41.72 0.10 0.00	45.97 0.06 0.00	45.66 -0.16 0.00	36.02 0.12 0.00	34.47 -0.12 0.00	33.04 -0.17 0.00
PINELAWN_CC_1 323563	53.61 2.69 0.00	34.68 1.48 0.00	33.55 1.31 0.00	34.09 1.26 0.00	34.46 1.27 0.00	41.06 1.59 0.00	44.09 2.09 0.00	81.03 3.92 0.00	37.88 2.12 0.00	43.33 2.51 -1.43	57.29 2.63 -18.66	54.83 3.05 -10.90	49.23 3.17 -0.75	49.17 2.78 -9.49	46.42 2.73 -8.40	44.54 2.81 -3.46	37.43 2.32 -3.28	42.90 2.67 -0.23	44.02 2.40 0.00	48.33 2.42 0.00	48.41 2.58 0.00	37.89 1.99 0.00	36.76 2.17 0.00	35.45 2.24 0.00
PJM_GEN_HTTP_PROXY 323702	53.39 2.46 0.00	34.65 1.45 0.00	33.53 1.29 0.00	34.11 1.28 0.00	34.48 1.28 0.00	40.98 1.51 0.00	43.97 1.96 0.00	79.71 3.86 1.27	37.81 2.05 0.00	41.65 2.26 0.00	38.09 2.09 0.00	43.29 2.40 0.00	47.86 2.56 0.00	38.98 2.08 0.00	37.29 2.00 0.00	40.45 2.17 0.00	33.66 1.83 0.00	42.11 2.10 0.00	43.62 1.99 0.00	47.86 1.95 0.00	48.17 2.34 0.00	37.70 1.79 0.00	36.47 1.88 0.00	35.06 1.85 0.00
PJM_GEN_KEystone 24065	29.84 -0.40 20.69	30.06 -0.40 2.74	31.52 -0.39 0.33	32.49 -0.35 0.00	32.85 -0.34 0.00	39.15 -0.32 0.00	41.76 -0.25 0.00	75.25 -0.59 1.27	33.82 -0.23 1.70	38.42 -0.35 0.63	35.14 -0.27 0.59	38.98 -0.33 1.57	41.00 -0.44 3.85	32.61 -0.50 3.78	28.18 -0.54 6.56	22.34 -0.61 15.32	26.55 -0.64 4.64	34.48 -0.88 4.65	32.36 -0.89 8.38	45.32 -0.58 0.00	45.52 -0.30 0.00	35.60 -0.31 0.00	34.50 -0.09 0.00	33.02 -0.19 0.00
PJM_GEN_NEPTUNE_PROXY 323594	53.50 2.58 0.00	34.65 1.45 0.00	33.53 1.29 0.00	34.09 1.26 0.00	34.46 1.27 0.00	41.03 1.57 0.00	44.00 1.99 0.00	79.58 3.73 1.27	37.79 2.04 0.00	41.88 2.34 -0.15	37.29 2.17 0.88	35.43 2.55 8.01	40.50 2.64 7.43	39.21 2.28 -0.04	37.79 2.25 -0.25	38.59 2.32 2.01	32.22 1.95 1.56	32.95 2.23 9.28	37.43 1.97 6.16	46.22 1.98 1.67	47.97 2.15 0.01	32.21 1.67 5.37	28.59 1.86 7.86	14.61 1.90 20.49
PJM_GEN_VFT_PROXY 323633	50.67 2.25 2.50	26.46 1.28 8.02	26.46 1.11 6.89	26.46 1.10 7.47	26.46 1.09 7.83	26.46 1.28 14.29	26.46 1.74 17.28	25.19 3.53 55.46	26.46 1.91 11.21	13.15 2.12 28.36	-1304.03 1.94 1341.97	13.39 2.26 29.76	26.16 2.41 21.55	12.19 1.96 26.67	12.19 1.87 24.96	26.79 2.02 13.50	12.80 1.72 20.75	10.58 1.97 31.39	10.20 1.86 33.28	10.48 1.80 37.23	14.04 2.21 33.99	10.00 1.64 27.55	10.00 1.75 26.34	27.56 1.69 7.34
PLATSBRG_115KV_PMLD1 355749	52.75 1.83 0.00	34.38 1.18 0.00	33.31 1.07 0.00	33.90 1.08 0.00	34.34 1.15 0.00	40.95 1.48 0.00	43.66 1.66 0.00	80.15 3.04 0.00	36.87 1.11 0.00	40.27 0.88 0.00	36.72 0.72 0.00	41.85 0.97 0.00	46.47 1.17 0.00	37.80 0.91 0.00	36.19 0.91 0.00	39.20 0.92 0.00	32.66 0.82 0.00	41.08 1.07 0.00	42.85 1.22 0.00	47.41 1.50 0.00	47.20 1.38 0.00	36.93 1.03 0.00	35.39 0.80 0.00	33.96 0.75 0.00
PLEASANTVLY___LBMP 24000	52.82 1.90 0.00	34.32 1.12 0.00	33.25 1.01 0.00	33.83 1.00 0.00	34.20 1.00 0.00	40.62 1.15 0.00	43.48 1.48 0.00	80.07 2.95 0.00	37.33 1.57 0.00	41.15 1.76 0.00	37.61 1.61 0.00	42.74 1.86 0.00	47.28 1.98 0.00	38.55 1.66 0.00	36.86 1.58 0.00	40.00 1.72 0.00	33.28 1.44 0.00	41.67 1.66 0.00	43.21 1.58 0.00	47.47 1.56 0.00	47.70 1.88 0.00	37.32 1.41 0.00	36.10 1.50 0.00	34.66 1.45 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	53.17 2.24 0.00	34.53 1.33 0.00	33.43 1.20 0.00	34.01 1.18 0.00	34.38 1.19 0.00	40.87 1.40 0.00	43.81 1.80 0.00	80.66 3.54 0.00	37.62 1.87 0.00	41.50 2.10 0.00	37.94 1.94 0.00	43.10 2.22 0.00	47.69 2.39 0.00	38.85 1.96 0.00	37.15 1.87 0.00	40.30 2.03 0.00	33.52 1.69 0.00	41.96 1.96 0.00	43.50 1.87 0.00	47.79 1.88 0.00	48.04 2.21 0.00	37.58 1.68 0.00	36.35 1.76 0.00	34.90 1.69 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	53.17 2.24 0.00	34.53 1.33 0.00	33.43 1.20 0.00	34.01 1.18 0.00	34.38 1.19 0.00	40.87 1.40 0.00	43.81 1.80 0.00	80.66 3.54 0.00	37.62 1.87 0.00	41.50 2.10 0.00	37.94 1.94 0.00	43.10 2.22 0.00	47.69 2.39 0.00	38.85 1.96 0.00	37.15 1.87 0.00	40.30 2.03 0.00	33.52 1.69 0.00	41.96 1.96 0.00	43.50 1.87 0.00	47.79 1.88 0.00	48.04 2.21 0.00	37.58 1.68 0.00	36.35 1.76 0.00	34.90 1.69 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	53.27 2.34 0.00	34.58 1.38 0.00	33.51 1.27 0.00	34.09 1.26 0.00	34.47 1.27 0.00	40.96 1.49 0.00	43.88 1.88 0.00	80.87 3.76 0.00	37.72 1.96 0.00	41.60 2.21 0.00	38.04 2.05 0.00	43.22 2.34 0.00	47.85 2.54 0.00	38.99 2.09 0.00	37.26 1.98 0.00	40.43 2.15 0.00	33.64 1.80 0.00	42.15 2.14 0.00	43.71 2.09 0.00	48.06 2.16 0.00	48.27 2.45 0.00	37.74 1.83 0.00	36.47 1.88 0.00	34.99 1.78 0.00
POLETTI____ 23519	53.35 2.42 0.00	34.64 1.44 0.00	33.52 1.28 0.00	34.08 1.25 0.00	34.46 1.26 0.00	40.95 1.48 0.00	43.93 1.93 0.00	80.91 3.79 0.00	37.78 2.02 0.00	41.62 2.23 0.00	38.07 2.08 0.00	43.27 2.38 0.00	47.84 2.54 0.00	38.98 2.09 0.00	37.27 1.99 0.00	40.42 2.15 0.00	33.67 1.83 0.00	42.07 2.07 0.00	43.57 1.95 0.00	47.80 1.89 0.00	48.12 2.29 0.00	37.66 1.75 0.00	36.45 1.85 0.00	35.03 1.82 0.00
POMONA___ESR 323819	53.02 2.09 0.00	34.40 1.20 0.00	33.31 1.07 0.00	33.91 1.08 0.00	34.27 1.08 0.00	40.73 1.26 0.00	43.66 1.65 0.00	80.43 3.31 0.00	37.49 1.73 0.00	41.34 1.95 0.00	37.79 1.79 0.00	42.94 2.05 0.00	47.51 2.21 0.00	38.68 1.79 0.00	36.99 1.70 0.00	40.14 1.87 0.00	33.40 1.56 0.00	41.83 1.83 0.00	43.37 1.75 0.00	47.67 1.76 0.00	47.95 2.13 0.00	37.52 1.61 0.00	36.29 1.70 0.00	34.81 1.60 0.00
PORT_JEFF_3 23555	54.34 3.41 0.00	35.14 1.94 0.00	33.98 1.74 0.00	34.53 1.70 0.00	34.91 1.72 0.00	41.60 2.13 0.00	44.70 2.69 0.00	82.08 4.96 0.00	38.34 2.59 0.00	43.11 2.97 -0.75	47.02 2.63 -8.39	44.96 3.12 -0.97	44.93 3.21 3.58	44.23 2.91 -4.43	41.66 2.88 -3.50	41.32 2.89 -0.16	34.60 2.42 -0.35	37.27 2.80 5.54	40.33 2.46 3.75	47.34 2.45 1.01	48.37 2.56 0.00	34.64 1.98 3.25	32.15 2.23 4.68	23.11 2.38 12.48
PORT_JEFF_4 23616	54.34 3.41 0.00	35.14 1.94 0.00	33.98 1.74 0.00	34.53 1.70 0.00	34.91 1.72 0.00	41.60 2.13 0.00	44.70 2.69 0.00	82.08 4.96 0.00	38.34 2.59 0.00	43.11 2.97 -0.75	47.02 2.63 -8.39	44.96 3.12 -0.97	44.93 3.21 3.58	44.23 2.91 -4.43	41.66 2.88 -3.50	41.32 2.89 -0.16	34.60 2.42 -0.35	37.27 2.80 5.54	40.33 2.46 3.75	47.34 2.45 1.01	48.37 2.56 0.00	34.64 1.98 3.25	32.15 2.23 4.68	23.11 2.38 12.48

PORT_JEFF_IC 23713	54.40 3.48 0.00	35.17 1.97 0.00	34.01 1.77 0.00	34.54 1.72 0.00	34.94 1.75 0.00	41.64 2.17 0.00	44.75 2.74 0.00	82.16 5.05 0.00	38.38 2.63 0.00	43.17 3.01 -0.77	47.30 2.66 -8.64	45.26 3.17 -1.21	45.09 3.26 3.48	44.43 2.98 -4.55	41.85 2.93 -3.63	41.46 2.94 -0.24	34.71 2.45 -0.42	37.46 2.84 5.39	40.47 2.50 3.66	47.41 2.50 0.99	48.44 2.62 0.00	34.78 2.04 3.17	32.36 2.32 4.55	23.46 2.41 12.16
PPL PILGRIM_ST_GT1 24216	54.43 3.50 0.00	35.20 2.00 0.00	34.04 1.80 0.00	34.60 1.77 0.00	34.98 1.78 0.00	41.69 2.22 0.00	44.79 2.79 0.00	82.29 5.18 0.00	38.42 2.67 0.00	43.31 3.06 -0.86	48.65 2.65 -10.01	46.45 3.04 -2.53	45.67 3.27 2.90	45.05 2.94 -5.22	42.46 2.93 -4.25	41.88 2.95 -0.66	35.06 2.43 -0.79	38.13 2.79 4.66	40.93 2.49 3.19	47.56 2.51 0.86	48.47 2.65 0.00	35.19 2.04 2.75	32.91 2.25 3.93	24.97 2.36 10.60
PPL PILGRIM_ST_GT2 24217	54.43 3.50 0.00	35.20 2.00 0.00	34.04 1.80 0.00	34.60 1.77 0.00	34.98 1.78 0.00	41.69 2.22 0.00	44.79 2.79 0.00	82.29 5.18 0.00	38.42 2.67 0.00	43.31 3.06 -0.86	48.65 2.65 -10.01	46.45 3.04 -2.53	45.67 3.27 2.90	45.05 2.94 -5.22	42.46 2.93 -4.25	41.88 2.95 -0.66	35.06 2.43 -0.79	38.13 2.79 4.66	40.93 2.49 3.19	47.56 2.51 0.86	48.47 2.65 0.00	35.19 2.04 2.75	32.91 2.25 3.93	24.97 2.36 10.60
PPL_SHRM_GT3 24213	54.62 3.70 0.00	35.31 2.10 0.00	34.14 1.90 0.00	34.68 1.85 0.00	35.07 1.88 0.00	41.80 2.33 0.00	44.94 2.93 0.00	82.43 5.31 0.00	38.47 2.71 0.00	43.22 3.07 -0.76	47.23 2.72 -8.50	45.20 3.24 -1.08	45.09 3.32 3.53	44.45 3.07 -4.48	41.86 3.03 -3.55	41.44 2.98 -0.19	34.75 2.54 -0.38	37.54 3.01 5.48	40.46 2.55 3.72	47.37 2.47 1.00	48.39 2.58 0.00	34.68 2.00 3.22	32.22 2.27 4.63	23.30 2.46 12.37
PPL_SHRM_GT4 24214	54.62 3.70 0.00	35.31 2.10 0.00	34.14 1.90 0.00	34.68 1.85 0.00	35.07 1.88 0.00	41.80 2.33 0.00	44.94 2.93 0.00	82.43 5.31 0.00	38.47 2.71 0.00	43.22 3.07 -0.76	47.23 2.72 -8.50	45.20 3.24 -1.08	45.09 3.32 3.53	44.45 3.07 -4.48	41.86 3.03 -3.55	41.44 2.98 -0.19	34.75 2.54 -0.38	37.54 3.01 5.48	40.46 2.55 3.72	47.37 2.47 1.00	48.39 2.58 0.00	34.68 2.00 3.22	32.22 2.27 4.63	23.30 2.46 12.37
PROJECT___ORANGE 1 24174	50.03 -0.90 0.00	32.63 -0.57 0.00	31.70 -0.54 0.00	32.31 -0.52 0.00	32.68 -0.51 0.00	38.92 -0.55 0.00	41.37 -0.63 0.00	75.89 -1.23 0.00	35.20 -0.56 0.00	38.73 -0.66 0.00	35.42 -0.58 0.00	40.17 -0.72 0.00	44.45 -0.85 0.00	36.16 -0.73 0.00	34.54 -0.74 0.00	37.48 -0.80 0.00	31.14 -0.69 0.00	39.13 -0.87 0.00	40.74 -0.88 0.00	45.11 -0.80 0.00	45.10 -0.73 0.00	35.25 -0.65 0.00	33.99 -0.60 0.00	32.61 -0.59 0.00
PROJECT___ORANGE 2 24166	50.03 -0.90 0.00	32.63 -0.57 0.00	31.70 -0.54 0.00	32.31 -0.52 0.00	32.68 -0.51 0.00	38.92 -0.55 0.00	41.37 -0.63 0.00	75.89 -1.23 0.00	35.20 -0.56 0.00	38.73 -0.66 0.00	35.42 -0.58 0.00	40.17 -0.72 0.00	44.45 -0.85 0.00	36.16 -0.73 0.00	34.54 -0.74 0.00	37.48 -0.80 0.00	31.14 -0.69 0.00	39.13 -0.87 0.00	40.74 -0.88 0.00	45.11 -0.80 0.00	45.10 -0.73 0.00	35.25 -0.65 0.00	33.99 -0.60 0.00	32.61 -0.59 0.00
PUCKETT___SOLAR 323809	51.40 0.47 0.00	33.44 0.24 0.00	32.47 0.23 0.00	33.16 0.33 0.00	33.53 0.33 0.00	40.00 0.53 0.00	42.60 0.60 0.00	78.50 1.38 0.00	39.59 3.83 0.00	44.80 4.18 -1.23	40.74 3.51 -1.23	44.88 3.60 -0.40	52.90 3.23 -4.37	36.98 0.09 0.00	35.28 0.00 0.00	38.30 0.02 0.00	31.77 -0.07 0.00	39.91 -0.10 0.00	41.64 0.02 0.00	46.18 0.27 0.00	46.20 0.38 0.00	36.13 0.22 0.00	34.82 0.23 0.00	33.20 -0.01 0.00
PYRITES___HYD 24023	51.70 0.77 0.00	33.67 0.47 0.00	32.72 0.48 0.00	33.28 0.45 0.00	33.70 0.51 0.00	40.27 0.81 0.00	43.01 1.01 0.00	78.83 1.72 0.00	36.38 0.62 0.00	39.87 0.48 0.00	36.42 0.42 0.00	41.36 0.48 0.00	45.89 0.59 0.00	37.41 0.52 0.00	35.83 0.55 0.00	38.65 0.38 0.00	32.31 0.48 0.00	40.87 0.87 0.00	42.74 1.12 0.00	47.22 1.31 0.00	46.92 1.10 0.00	37.00 1.10 0.00	35.38 0.79 0.00	33.88 0.68 0.00
QUAKERRD_115KV_BK1 80622	47.95 -2.98 0.00	31.19 -2.02 0.00	30.34 -1.90 0.00	30.99 -1.84 0.00	31.39 -1.81 0.00	37.49 -1.98 0.00	39.92 -2.09 0.00	72.86 -4.26 0.00	33.61 -2.14 0.00	36.35 -2.59 0.45	33.29 -2.25 0.45	38.01 -2.75 0.12	41.14 -3.04 1.12	34.25 -2.64 0.00	32.64 -2.64 0.00	35.37 -2.91 0.00	29.18 -2.46 0.20	36.50 -3.02 0.48	38.63 -2.99 0.00	43.26 -2.65 0.00	43.24 -2.59 0.00	33.80 -2.10 0.00	32.58 -2.01 0.00	31.24 -1.97 0.00
QUENSBRY_115KV_TB8 356137	52.99 2.06 0.00	34.51 1.31 0.00	33.43 1.19 0.00	34.04 1.20 0.00	34.43 1.23 0.00	40.91 1.45 0.00	43.83 1.82 0.00	80.67 3.55 0.00	37.39 1.63 0.00	41.46 2.07 0.00	37.78 1.78 0.00	43.11 2.22 0.00	47.77 2.46 0.00	39.05 2.16 0.00	37.36 2.07 0.00	40.62 2.35 0.00	33.70 1.87 0.00	42.45 2.45 0.00	44.12 2.50 0.00	48.40 2.49 0.00	48.42 2.60 0.00	37.62 1.71 0.00	36.28 1.69 0.00	34.63 1.42 0.00
RAMAPO___LBMP 323565	52.83 1.91 0.00	34.28 1.08 0.00	33.20 0.96 0.00	33.78 0.95 0.00	34.15 0.96 0.00	40.59 1.12 0.00	43.51 1.50 0.00	80.14 3.02 0.00	37.34 1.58 0.00	41.17 1.78 0.00	37.64 1.64 0.00	42.75 1.87 0.00	47.32 2.02 0.00	38.53 1.64 0.00	36.83 1.55 0.00	39.97 1.69 0.00	33.26 1.42 0.00	41.66 1.65 0.00	43.19 1.57 0.00	47.47 1.56 0.00	47.77 1.94 0.00	37.36 1.46 0.00	36.16 1.56 0.00	34.68 1.47 0.00
RANKINE____ 23646	47.92 -3.00 0.00	31.07 -2.13 0.00	30.28 -1.97 0.00	31.02 -1.81 0.00	31.38 -1.81 0.00	37.61 -1.86 0.00	39.95 -2.05 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.74 -3.11 1.54	32.33 -2.70 0.97	30.22 -3.26 7.40	25.82 -3.67 15.81	18.95 -3.34 14.59	27.69 -3.31 4.28	24.19 -3.58 10.51	24.88 -3.17 3.79	35.19 -3.88 0.94	37.85 -3.77 0.00	42.95 -2.96 0.00	42.89 -2.93 0.00	33.48 -2.42 0.00	32.45 -2.14 0.00	31.08 -2.13 0.00
RAVENSWOOD_GT2_1 24244	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.12 1.28 0.00	34.48 1.28 0.00	41.00 1.53 0.00	43.99 1.99 0.00	81.03 3.91 0.00	37.84 2.08 0.00	41.70 2.31 0.00	38.14 2.14 0.00	43.33 2.45 0.00	47.92 2.62 0.00	39.04 2.15 0.00	37.33 2.05 0.00	40.50 2.22 0.00	33.70 1.87 0.00	42.15 2.15 0.00	43.65 2.03 0.00	47.91 2.00 0.00	48.22 2.40 0.00	37.74 1.83 0.00	36.52 1.92 0.00	35.10 1.89 0.00
RAVENSWOOD_GT2_2 24245	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.12 1.28 0.00	34.48 1.28 0.00	41.00 1.53 0.00	43.99 1.99 0.00	81.03 3.91 0.00	37.84 2.08 0.00	41.70 2.31 0.00	38.14 2.14 0.00	43.33 2.45 0.00	47.92 2.62 0.00	39.04 2.15 0.00	37.33 2.05 0.00	40.50 2.22 0.00	33.70 1.87 0.00	42.15 2.15 0.00	43.65 2.03 0.00	47.91 2.00 0.00	48.22 2.40 0.00	37.74 1.83 0.00	36.52 1.92 0.00	35.10 1.89 0.00



RAVENSWOOD_GT2_3 24246	53.44 2.51 0.00	34.68 1.48 0.00	33.56 1.32 0.00	34.13 1.30 0.00	34.50 1.31 0.00	41.01 1.54 0.00	44.01 2.00 0.00	81.06 3.94 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.16 2.16 0.00	43.35 2.47 0.00	47.94 2.64 0.00	39.06 2.16 0.00	37.35 2.06 0.00	40.51 2.23 0.00	33.72 1.88 0.00	42.16 2.15 0.00	43.67 2.05 0.00	47.93 2.02 0.00	48.25 2.42 0.00	37.76 1.85 0.00	36.54 1.94 0.00	35.11 1.90 0.00
RAVENSWOOD_GT2_4 24247	53.44 2.51 0.00	34.68 1.48 0.00	33.56 1.32 0.00	34.13 1.30 0.00	34.50 1.31 0.00	41.01 1.54 0.00	44.01 2.00 0.00	81.06 3.94 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.16 2.16 0.00	43.35 2.47 0.00	47.94 2.64 0.00	39.06 2.16 0.00	37.35 2.06 0.00	40.51 2.23 0.00	33.72 1.88 0.00	42.16 2.15 0.00	43.67 2.05 0.00	47.93 2.02 0.00	48.25 2.42 0.00	37.76 1.85 0.00	36.54 1.94 0.00	35.11 1.90 0.00
RAVENSWOOD_GT3_1 24248	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.12 1.28 0.00	34.48 1.28 0.00	41.00 1.53 0.00	43.99 1.99 0.00	81.03 3.91 0.00	37.84 2.08 0.00	41.70 2.31 0.00	38.14 2.14 0.00	43.33 2.45 0.00	47.92 2.62 0.00	39.04 2.15 0.00	37.33 2.05 0.00	40.50 2.22 0.00	33.70 1.87 0.00	42.15 2.15 0.00	43.65 2.03 0.00	47.91 2.00 0.00	48.22 2.40 0.00	37.74 1.83 0.00	36.52 1.92 0.00	35.10 1.89 0.00
RAVENSWOOD_GT3_2 24249	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.12 1.28 0.00	34.48 1.28 0.00	41.00 1.53 0.00	43.99 1.99 0.00	81.03 3.91 0.00	37.84 2.08 0.00	41.70 2.31 0.00	38.14 2.14 0.00	43.33 2.45 0.00	47.92 2.62 0.00	39.04 2.15 0.00	37.33 2.05 0.00	40.50 2.22 0.00	33.70 1.87 0.00	42.15 2.15 0.00	43.65 2.03 0.00	47.91 2.00 0.00	48.22 2.40 0.00	37.74 1.83 0.00	36.52 1.92 0.00	35.10 1.89 0.00
RAVENSWOOD_GT3_3 24250	53.49 2.56 0.00	34.71 1.51 0.00	33.59 1.35 0.00	34.16 1.33 0.00	34.53 1.34 0.00	41.05 1.58 0.00	44.05 2.05 0.00	81.14 4.02 0.00	37.89 2.14 0.00	41.76 2.37 0.00	38.20 2.21 0.00	43.40 2.52 0.00	47.99 2.70 0.00	39.09 2.20 0.00	37.39 2.11 0.00	40.56 2.28 0.00	33.76 1.92 0.00	42.21 2.20 0.00	43.71 2.09 0.00	47.98 2.07 0.00	48.30 2.47 0.00	37.80 1.89 0.00	36.57 1.98 0.00	35.14 1.93 0.00
RAVENSWOOD_GT3_4 24251	53.49 2.56 0.00	34.71 1.51 0.00	33.59 1.35 0.00	34.16 1.33 0.00	34.53 1.34 0.00	41.05 1.58 0.00	44.05 2.05 0.00	81.14 4.02 0.00	37.89 2.14 0.00	41.76 2.37 0.00	38.20 2.21 0.00	43.40 2.52 0.00	47.99 2.70 0.00	39.09 2.20 0.00	37.39 2.11 0.00	40.56 2.28 0.00	33.76 1.92 0.00	42.21 2.20 0.00	43.71 2.09 0.00	47.98 2.07 0.00	48.30 2.47 0.00	37.80 1.89 0.00	36.57 1.98 0.00	35.14 1.93 0.00
RAVENSWOOD_GT_1 23729	53.52 2.59 0.00	34.76 1.56 0.00	33.64 1.40 0.00	34.21 1.38 0.00	34.59 1.39 0.00	41.10 1.63 0.00	44.12 2.11 0.00	81.90 4.11 -0.68	40.31 2.16 -2.39	48.57 2.40 -6.78	43.04 2.25 -4.80	46.61 2.54 -3.19	55.30 2.72 -7.28	43.76 2.24 -4.63	39.96 2.13 -2.55	44.89 2.30 -4.31	39.17 1.93 -5.40	44.17 2.22 -1.95	44.62 2.10 -0.90	49.25 2.04 -1.30	52.15 2.47 -3.86	40.31 1.91 -2.50	39.07 2.00 -2.48	35.18 1.97 0.00
RAVENSWOOD_GT_10 24258	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.11 1.28 0.00	34.48 1.28 0.00	40.99 1.52 0.00	43.98 1.98 0.00	81.11 3.91 -0.08	38.11 2.08 -0.28	42.48 2.31 -0.78	38.69 2.14 -0.55	43.69 2.45 -0.37	48.76 2.62 -0.84	39.58 2.15 -0.53	37.62 2.05 -0.29	40.99 2.22 -0.50	34.32 1.87 -0.62	42.38 2.15 -0.22	43.76 2.03 -0.10	48.06 2.00 -0.15	48.67 2.40 -0.45	38.03 1.84 -0.29	36.80 1.92 -0.29	35.10 1.89 0.00
RAVENSWOOD_GT_11 24259	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.11 1.28 0.00	34.48 1.28 0.00	40.99 1.52 0.00	43.98 1.98 0.00	81.11 3.91 -0.08	38.11 2.08 -0.28	42.48 2.31 -0.78	38.69 2.14 -0.55	43.69 2.45 -0.37	48.76 2.62 -0.84	39.58 2.15 -0.53	37.62 2.05 -0.29	40.99 2.22 -0.50	34.32 1.87 -0.62	42.38 2.15 -0.22	43.76 2.03 -0.10	48.06 2.00 -0.15	48.67 2.40 -0.45	38.03 1.84 -0.29	36.80 1.92 -0.29	35.10 1.89 0.00
RAVENSWOOD_GT_4 24252	53.42 2.49 0.00	34.65 1.45 0.00	33.54 1.30 0.00	34.11 1.27 0.00	34.48 1.28 0.00	40.98 1.51 0.00	43.98 1.97 0.00	81.53 3.90 -0.52	39.65 2.07 -1.82	46.86 2.31 -5.16	41.79 2.14 -3.65	45.75 2.45 -2.43	53.45 2.61 -5.54	42.55 2.14 -3.52	39.27 2.04 -1.94	43.77 2.22 -3.28	37.81 1.86 -4.11	43.64 2.15 -1.48	44.34 2.03 -0.69	48.90 2.00 -0.99	51.17 2.41 -2.94	39.64 1.84 -1.90	38.40 1.92 -1.89	35.09 1.88 0.00
RAVENSWOOD_GT_5 24254	53.42 2.49 0.00	34.65 1.45 0.00	33.54 1.30 0.00	34.11 1.27 0.00	34.48 1.28 0.00	40.98 1.51 0.00	43.98 1.97 0.00	81.53 3.90 -0.52	39.65 2.07 -1.82	46.86 2.31 -5.16	41.79 2.14 -3.65	45.75 2.45 -2.43	53.45 2.61 -5.54	42.55 2.14 -3.52	39.27 2.04 -1.94	43.77 2.22 -3.28	37.81 1.86 -4.11	43.64 2.15 -1.48	44.34 2.03 -0.69	48.90 2.00 -0.99	51.17 2.41 -2.94	39.64 1.84 -1.90	38.40 1.92 -1.89	35.09 1.88 0.00
RAVENSWOOD_GT_6 24253	53.42 2.49 0.00	34.65 1.45 0.00	33.54 1.30 0.00	34.11 1.27 0.00	34.48 1.28 0.00	40.98 1.51 0.00	43.98 1.97 0.00	81.53 3.90 -0.52	39.65 2.07 -1.82	46.86 2.31 -5.16	41.79 2.14 -3.65	45.75 2.45 -2.43	53.45 2.61 -5.54	42.55 2.14 -3.52	39.27 2.04 -1.94	43.77 2.22 -3.28	37.81 1.86 -4.11	43.64 2.15 -1.48	44.34 2.03 -0.69	48.90 2.00 -0.99	51.17 2.41 -2.94	39.64 1.84 -1.90	38.40 1.92 -1.89	35.09 1.88 0.00
RAVENSWOOD_GT_7 24255	53.42 2.49 0.00	34.65 1.45 0.00	33.54 1.30 0.00	34.11 1.27 0.00	34.48 1.28 0.00	40.98 1.51 0.00	43.98 1.97 0.00	81.53 3.90 -0.52	39.65 2.07 -1.82	46.86 2.31 -5.16	41.79 2.14 -3.65	45.75 2.45 -2.43	53.45 2.61 -5.54	42.55 2.14 -3.52	39.27 2.04 -1.94	43.77 2.22 -3.28	37.81 1.86 -4.11	43.64 2.15 -1.48	44.34 2.03 -0.69	48.90 2.00 -0.99	51.17 2.41 -2.94	39.64 1.84 -1.90	38.40 1.92 -1.89	35.09 1.88 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.11 1.28 0.00	34.48 1.28 0.00	40.99 1.52 0.00	43.98 1.98 0.00	81.11 3.91 -0.08	38.11 2.08 -0.28	42.48 2.31 -0.78	38.69 2.14 -0.55	43.69 2.45 -0.37	48.76 2.62 -0.84	39.58 2.15 -0.53	37.62 2.05 -0.29	40.99 2.22 -0.50	34.32 1.87 -0.62	42.38 2.15 -0.22	43.76 2.03 -0.10	48.06 2.00 -0.15	48.67 2.40 -0.45	38.03 1.84 -0.29	36.80 1.92 -0.29	35.10 1.89 0.00
RAVENSWOOD_GT_9 24257	53.42 2.49 0.00	34.66 1.46 0.00	33.55 1.31 0.00	34.11 1.28 0.00	34.48 1.28 0.00	40.99 1.52 0.00	43.98 1.98 0.00	81.11 3.91 -0.08	38.11 2.08 -0.28	42.48 2.31 -0.78	38.69 2.14 -0.55	43.69 2.45 -0.37	48.76 2.62 -0.84	39.58 2.15 -0.53	37.62 2.05 -0.29	40.99 2.22 -0.50	34.32 1.87 -0.62	42.38 2.15 -0.22	43.76 2.03 -0.10	48.06 2.00 -0.15	48.67 2.40 -0.45	38.03 1.84 -0.29	36.80 1.92 -0.29	35.10 1.89 0.00

RAVENSWOOD___1 23533	53.44 2.52 0.00	34.72 1.51 0.00	33.59 1.35 0.00	34.18 1.35 0.00	34.55 1.35 0.00	41.04 1.58 0.00	44.04 2.04 0.00	80.43 3.98 0.67	35.53 2.13 2.35	35.07 2.35 6.67	33.46 2.19 4.72	40.23 2.49 3.14	40.78 2.64 7.17	34.51 2.17 4.56	34.85 2.08 2.51	36.27 2.24 4.25	28.41 1.89 5.32	40.26 2.18 1.92	42.79 2.06 0.89	46.61 1.98 1.28	44.41 2.39 3.80	35.31 1.87 2.46	34.10 1.95 2.44	35.13 1.92 0.00
RAVENSWOOD___2 23534	53.44 2.52 0.00	34.72 1.51 0.00	33.59 1.35 0.00	34.18 1.35 0.00	34.55 1.35 0.00	41.04 1.58 0.00	44.04 2.04 0.00	80.43 3.98 0.67	35.53 2.13 2.35	35.07 2.35 6.67	33.46 2.19 4.72	40.23 2.49 3.14	40.78 2.64 7.17	34.51 2.17 4.56	34.85 2.08 2.51	36.27 2.24 4.25	28.41 1.89 5.32	40.26 2.18 1.92	42.79 2.06 0.89	46.61 1.98 1.28	44.41 2.39 3.80	35.31 1.87 2.46	34.10 1.95 2.44	35.13 1.92 0.00
RAVENSWOOD___3 23535	53.41 2.49 0.00	34.67 1.47 0.00	33.55 1.31 0.00	34.13 1.30 0.00	34.49 1.30 0.00	40.99 1.53 0.00	43.99 1.99 0.00	81.04 3.92 0.00	37.84 2.09 0.00	41.71 2.32 0.00	38.14 2.14 0.00	43.33 2.45 0.00	47.91 2.61 0.00	39.03 2.13 0.00	37.33 2.05 0.00	40.49 2.21 0.00	33.70 1.87 0.00	42.15 2.15 0.00	43.67 2.05 0.00	47.90 2.00 0.00	48.22 2.39 0.00	37.75 1.85 0.00	36.51 1.92 0.00	35.10 1.89 0.00
RAVENSWOOD___4 23820	53.44 2.52 0.00	34.72 1.51 0.00	33.59 1.35 0.00	34.18 1.35 0.00	34.55 1.35 0.00	41.04 1.58 0.00	44.04 2.04 0.00	80.43 3.98 0.67	35.53 2.13 2.35	35.07 2.35 6.67	33.46 2.19 4.72	40.23 2.49 3.14	40.78 2.64 7.17	34.51 2.17 4.56	34.85 2.08 2.51	36.27 2.24 4.25	28.41 1.89 5.32	40.26 2.18 1.92	42.79 2.06 0.89	46.61 1.98 1.28	44.41 2.39 3.80	35.31 1.87 2.46	34.10 1.95 2.44	35.13 1.92 0.00
RCPL_TRUST___DRP 24196	53.39 2.46 0.00	34.65 1.45 0.00	33.53 1.29 0.00	34.10 1.27 0.00	34.47 1.28 0.00	40.98 1.51 0.00	43.97 1.96 0.00	80.98 3.87 0.00	37.81 2.05 0.00	41.65 2.26 0.00	38.10 2.10 0.00	43.28 2.39 0.00	47.86 2.56 0.00	39.00 2.10 0.00	37.29 2.01 0.00	40.45 2.18 0.00	33.66 1.83 0.00	42.10 2.09 0.00	43.61 1.99 0.00	47.86 1.95 0.00	48.17 2.35 0.00	37.69 1.78 0.00	36.47 1.87 0.00	35.06 1.85 0.00
RED___ROCHESTER 323720	48.94 -1.98 0.00	31.78 -1.43 0.00	30.93 -1.31 0.00	31.55 -1.28 0.00	32.00 -1.20 0.00	38.29 -1.17 0.00	40.78 -1.22 0.00	74.35 -2.76 0.00	34.26 -1.50 0.00	36.92 -1.95 0.53	33.86 -1.60 0.53	38.71 -2.04 0.13	41.82 -2.22 1.27	34.92 -1.98 0.00	33.19 -2.09 0.00	35.98 -2.30 0.00	29.62 -2.00 0.22	37.03 -2.44 0.54	39.27 -2.36 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.26 -1.33 0.00	31.87 -1.35 0.00
REGAN___SOLAR 323812	53.46 2.54 0.00	34.80 1.60 0.00	33.79 1.55 0.00	34.42 1.59 0.00	34.83 1.63 0.00	41.51 2.04 0.00	44.40 2.40 0.00	81.64 4.52 0.00	37.80 2.05 0.00	41.62 2.23 0.00	37.99 1.99 0.00	43.08 2.20 0.00	47.70 2.40 0.00	38.79 1.90 0.00	37.05 1.77 0.00	40.16 1.88 0.00	33.42 1.58 0.00	42.17 2.17 0.00	43.96 2.33 0.00	48.63 2.72 0.00	48.65 2.82 0.00	37.96 2.06 0.00	36.47 1.88 0.00	34.94 1.73 0.00
RENSSELAER___COGEN 23796	51.32 0.40 0.00	33.54 0.34 0.00	32.53 0.29 0.00	33.11 0.27 0.00	33.42 0.23 0.00	39.54 0.07 0.00	42.11 0.11 0.00	77.48 0.36 0.00	36.03 0.27 0.00	39.70 0.31 0.00	36.29 0.29 0.00	41.20 0.31 0.00	45.67 0.37 0.00	37.44 0.54 0.00	35.78 0.50 0.00	38.86 0.59 0.00	32.35 0.51 0.00	40.53 0.52 0.00	42.07 0.45 0.00	46.19 0.28 0.00	46.26 0.44 0.00	36.22 0.31 0.00	34.97 0.38 0.00	33.55 0.34 0.00
REPUBLIC_115KV_BARTNBRK 55605	54.33 3.41 0.00	35.44 2.24 0.00	34.29 2.05 0.00	34.90 2.07 0.00	35.36 2.17 0.00	42.00 2.53 0.00	45.32 3.32 0.00	83.32 6.20 0.00	38.48 2.73 0.00	43.05 3.66 0.00	39.16 3.16 0.00	44.81 3.93 0.00	49.65 4.35 0.00	40.56 3.67 0.00	38.93 3.65 0.00	42.25 3.97 0.00	34.93 3.09 0.00	44.23 4.23 0.00	46.05 4.42 0.00	50.24 4.33 0.00	50.28 4.46 0.00	38.61 2.71 0.00	37.26 2.67 0.00	35.38 2.18 0.00
REVERE_CPPR_DRP 24186	52.18 1.25 0.00	33.97 0.76 0.00	32.98 0.74 0.00	33.60 0.78 0.00	33.98 0.78 0.00	40.50 1.03 0.00	43.26 1.25 0.00	79.51 2.39 0.00	36.94 1.18 0.00	40.69 1.29 0.00	37.21 1.21 0.00	42.18 1.30 0.00	46.57 1.27 0.00	37.90 1.00 0.00	36.26 0.98 0.00	39.29 1.01 0.00	32.65 0.81 0.00	41.09 1.09 0.00	42.82 1.20 0.00	47.36 1.45 0.00	47.37 1.55 0.00	36.99 1.08 0.00	35.56 0.96 0.00	34.02 0.81 0.00
REYNLDPA_13_KV_LD 356490	51.44 0.51 0.00	33.52 0.33 0.00	32.58 0.34 0.00	33.14 0.31 0.00	33.52 0.33 0.00	39.99 0.52 0.00	42.59 0.59 0.00	78.08 0.96 0.00	36.11 0.35 0.00	39.70 0.30 0.00	36.20 0.20 0.00	41.08 0.20 0.00	45.84 0.54 0.00	37.32 0.43 0.00	35.72 0.44 0.00	38.68 0.40 0.00	32.26 0.42 0.00	40.67 0.67 0.00	42.46 0.84 0.00	46.93 1.02 0.00	46.55 0.73 0.00	36.57 0.67 0.00	35.07 0.48 0.00	33.66 0.45 0.00
REYNOLDS_115KV_TB3 80639	51.77 0.84 0.00	33.79 0.59 0.00	32.76 0.52 0.00	33.33 0.50 0.00	33.64 0.45 0.00	39.79 0.33 0.00	42.36 0.36 0.00	77.95 0.83 0.00	36.18 0.43 0.00	39.91 0.52 0.00	36.46 0.46 0.00	41.46 0.57 0.00	45.96 0.66 0.00	37.66 0.77 0.00	36.01 0.72 0.00	39.15 0.87 0.00	32.55 0.72 0.00	40.81 0.80 0.00	42.36 0.73 0.00	46.49 0.58 0.00	46.57 0.75 0.00	36.44 0.54 0.00	35.20 0.60 0.00	33.74 0.53 0.00
RIVERBAY____ 323610	54.63 3.70 0.00	35.51 2.31 0.00	34.38 2.14 0.00	34.96 2.13 0.00	35.38 2.18 0.00	42.12 2.65 0.00	45.22 3.22 0.00	83.05 5.93 0.00	38.72 2.97 0.00	42.58 3.18 0.00	39.17 3.18 0.00	44.20 3.32 0.00	48.85 3.56 0.00	39.82 2.93 0.00	37.96 2.68 0.00	41.03 2.75 0.00	34.17 2.33 0.00	42.75 2.74 0.00	44.33 2.71 0.00	48.56 2.65 0.00	48.95 3.13 0.00	38.43 2.52 0.00	37.17 2.57 0.00	35.76 2.55 0.00
RIVERSDE_115KV_TB3 55908	51.57 0.64 0.00	33.68 0.48 0.00	32.65 0.41 0.00	33.22 0.39 0.00	33.54 0.34 0.00	39.67 0.21 0.00	42.26 0.26 0.00	77.76 0.64 0.00	36.14 0.38 0.00	39.84 0.44 0.00	36.40 0.40 0.00	41.36 0.48 0.00	45.85 0.56 0.00	37.59 0.69 0.00	35.93 0.65 0.00	39.05 0.78 0.00	32.49 0.65 0.00	40.70 0.69 0.00	42.25 0.62 0.00	46.38 0.47 0.00	46.45 0.62 0.00	36.36 0.45 0.00	35.10 0.50 0.00	33.66 0.46 0.00
ROARING___BROOK_WT_PWR 323790	50.89 -0.04 0.00	33.18 -0.02 0.00	32.24 0.00 0.00	32.81 -0.02 0.00	33.18 -0.01 0.00	39.49 0.02 0.00	42.00 0.00 0.00	77.02 -0.10 0.00	35.63 -0.13 0.00	39.25 -0.15 0.00	35.87 -0.12 0.00	40.78 -0.10 0.00	45.21 -0.09 0.00	36.80 -0.09 0.00	35.21 -0.07 0.00	38.14 -0.13 0.00	31.74 -0.10 0.00	39.93 -0.07 0.00	41.60 -0.02 0.00	45.97 0.07 0.00	45.84 0.02 0.00	35.96 0.05 0.00	34.59 0.00 0.00	33.21 0.00 0.00

ROCHESRG_115KV_T4 355643	48.47 -2.46 0.00	31.50 -1.70 0.00	30.66 -1.58 0.00	31.34 -1.49 0.00	31.73 -1.46 0.00	37.93 -1.54 0.00	40.37 -1.64 0.00	73.59 -3.53 0.00	33.91 -1.85 0.00	36.47 -2.33 0.60	33.50 -1.98 0.52	37.35 -2.46 1.07	39.40 -2.73 3.17	32.40 -2.43 2.07	32.24 -2.43 0.60	34.10 -2.69 1.48	28.83 -2.31 0.70	36.66 -2.81 0.53	38.87 -2.76 0.00	43.65 -2.25 0.00	43.64 -2.18 0.00	34.12 -1.79 0.00	32.92 -1.67 0.00	31.55 -1.65 0.00
ROCHESTER_9_IC 23652	48.71 -2.22 0.00	31.65 -1.55 0.00	30.80 -1.44 0.00	31.49 -1.35 0.00	31.88 -1.31 0.00	38.13 -1.34 0.00	40.59 -1.42 0.00	73.99 -3.13 0.00	34.10 -1.65 0.00	36.75 -2.11 0.53	33.68 -1.79 0.53	38.50 -2.25 0.13	41.55 -2.49 1.27	34.67 -2.22 0.00	33.01 -2.27 0.00	35.77 -2.50 0.00	29.46 -2.16 0.22	36.84 -2.63 0.54	39.07 -2.56 0.00	43.91 -2.00 0.00	43.90 -1.93 0.00	34.31 -1.60 0.00	33.10 -1.49 0.00	31.72 -1.49 0.00
ROCKVIEW_13_KV_LD 356306	53.40 2.48 0.00	34.68 1.48 0.00	33.57 1.33 0.00	34.14 1.31 0.00	34.51 1.32 0.00	41.04 1.57 0.00	44.02 2.01 0.00	81.02 3.90 0.00	37.81 2.06 0.00	41.70 2.31 0.00	38.15 2.15 0.00	43.31 2.43 0.00	47.92 2.62 0.00	39.03 2.13 0.00	37.35 2.07 0.00	40.49 2.21 0.00	33.67 1.83 0.00	42.14 2.13 0.00	43.67 2.05 0.00	47.97 2.07 0.00	48.25 2.43 0.00	37.74 1.84 0.00	36.52 1.92 0.00	35.07 1.86 0.00
ROME____115KV_TB2 80656	52.18 1.25 0.00	33.97 0.76 0.00	32.98 0.74 0.00	33.60 0.78 0.00	33.98 0.78 0.00	40.50 1.03 0.00	43.26 1.25 0.00	79.51 2.39 0.00	36.94 1.18 0.00	40.69 1.29 0.00	37.21 1.21 0.00	42.18 1.30 0.00	46.57 1.27 0.00	37.90 1.00 0.00	36.26 0.98 0.00	39.29 1.01 0.00	32.65 0.81 0.00	41.09 1.09 0.00	42.82 1.20 0.00	47.36 1.45 0.00	47.37 1.55 0.00	36.99 1.08 0.00	35.56 0.96 0.00	34.02 0.81 0.00
ROSETON___1 23587	52.76 1.84 0.00	34.28 1.08 0.00	33.21 0.97 0.00	33.81 0.98 0.00	34.16 0.97 0.00	40.58 1.11 0.00	43.44 1.43 0.00	79.98 2.87 0.00	37.28 1.52 0.00	41.10 1.71 0.00	37.57 1.57 0.00	42.68 1.80 0.00	47.22 1.92 0.00	38.48 1.58 0.00	36.80 1.52 0.00	39.93 1.66 0.00	33.22 1.39 0.00	41.61 1.61 0.00	43.15 1.53 0.00	47.43 1.52 0.00	47.65 1.83 0.00	37.28 1.38 0.00	36.06 1.46 0.00	34.62 1.41 0.00
ROSETON___2 23588	52.76 1.84 0.00	34.28 1.08 0.00	33.21 0.97 0.00	33.81 0.98 0.00	34.16 0.97 0.00	40.58 1.11 0.00	43.44 1.43 0.00	79.98 2.87 0.00	37.28 1.52 0.00	41.10 1.71 0.00	37.57 1.57 0.00	42.68 1.80 0.00	47.22 1.92 0.00	38.48 1.58 0.00	36.80 1.52 0.00	39.93 1.66 0.00	33.22 1.39 0.00	41.61 1.61 0.00	43.15 1.53 0.00	47.43 1.52 0.00	47.65 1.83 0.00	37.28 1.38 0.00	36.06 1.46 0.00	34.62 1.41 0.00
ROTRDAM_115KV_TB3 80664	52.06 1.13 0.00	33.92 0.72 0.00	32.92 0.68 0.00	33.52 0.69 0.00	33.87 0.67 0.00	40.21 0.74 0.00	42.86 0.85 0.00	78.79 1.67 0.00	36.56 0.80 0.00	40.32 0.93 0.00	36.83 0.83 0.00	41.87 0.99 0.00	46.39 1.09 0.00	37.87 0.97 0.00	36.20 0.92 0.00	39.33 1.06 0.00	32.70 0.87 0.00	41.06 1.05 0.00	42.68 1.05 0.00	46.94 1.03 0.00	47.01 1.19 0.00	36.76 0.85 0.00	35.45 0.86 0.00	34.02 0.81 0.00
RUSSELL___1 23602	48.94 -1.99 0.00	31.78 -1.42 0.00	30.93 -1.31 0.00	31.62 -1.21 0.00	32.02 -1.17 0.00	38.29 -1.18 0.00	40.78 -1.22 0.00	74.36 -2.76 0.00	34.27 -1.48 0.00	36.94 -1.92 0.53	33.86 -1.61 0.53	38.71 -2.04 0.13	41.78 -2.25 1.27	34.86 -2.04 0.00	33.17 -2.10 0.00	35.94 -2.34 0.00	29.60 -2.01 0.22	37.03 -2.44 0.54	39.28 -2.34 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.27 -1.33 0.00	31.87 -1.35 0.00
RUSSELL___2 23532	48.94 -1.99 0.00	31.78 -1.42 0.00	30.93 -1.31 0.00	31.62 -1.21 0.00	32.02 -1.17 0.00	38.29 -1.18 0.00	40.78 -1.22 0.00	74.36 -2.76 0.00	34.27 -1.48 0.00	36.94 -1.92 0.53	33.86 -1.61 0.53	38.71 -2.04 0.13	41.78 -2.25 1.27	34.86 -2.04 0.00	33.17 -2.10 0.00	35.94 -2.34 0.00	29.60 -2.01 0.22	37.03 -2.44 0.54	39.28 -2.34 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.27 -1.33 0.00	31.87 -1.35 0.00
RUSSELL___3 23549	48.94 -1.99 0.00	31.78 -1.42 0.00	30.93 -1.31 0.00	31.62 -1.21 0.00	32.02 -1.17 0.00	38.29 -1.18 0.00	40.78 -1.22 0.00	74.36 -2.76 0.00	34.27 -1.48 0.00	36.94 -1.92 0.53	33.86 -1.61 0.53	38.71 -2.04 0.13	41.78 -2.25 1.27	34.86 -2.04 0.00	33.17 -2.10 0.00	35.94 -2.34 0.00	29.60 -2.01 0.22	37.03 -2.44 0.54	39.28 -2.34 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.27 -1.33 0.00	31.87 -1.35 0.00
RUSSELL___4 23556	48.94 -1.99 0.00	31.78 -1.42 0.00	30.93 -1.31 0.00	31.62 -1.21 0.00	32.02 -1.17 0.00	38.29 -1.18 0.00	40.78 -1.22 0.00	74.36 -2.76 0.00	34.27 -1.48 0.00	36.94 -1.92 0.53	33.86 -1.61 0.53	38.71 -2.04 0.13	41.78 -2.25 1.27	34.86 -2.04 0.00	33.17 -2.10 0.00	35.94 -2.34 0.00	29.60 -2.01 0.22	37.03 -2.44 0.54	39.28 -2.34 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.27 -1.33 0.00	31.87 -1.35 0.00
RUSSELL__STATION 23914	48.94 -1.99 0.00	31.78 -1.42 0.00	30.93 -1.31 0.00	31.62 -1.21 0.00	32.02 -1.17 0.00	38.29 -1.18 0.00	40.78 -1.22 0.00	74.36 -2.76 0.00	34.27 -1.48 0.00	36.94 -1.92 0.53	33.86 -1.61 0.53	38.71 -2.04 0.13	41.78 -2.25 1.27	34.86 -2.04 0.00	33.17 -2.10 0.00	35.94 -2.34 0.00	29.60 -2.01 0.22	37.03 -2.44 0.54	39.28 -2.34 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.27 -1.33 0.00	31.87 -1.35 0.00
S SALMON__HYD 24043	49.65 -1.28 0.00	32.38 -0.82 0.00	31.48 -0.76 0.00	32.07 -0.75 0.00	32.47 -0.72 0.00	38.65 -0.81 0.00	41.15 -0.86 0.00	75.46 -1.66 0.00	34.98 -0.78 0.00	38.45 -0.94 0.00	35.16 -0.84 0.00	39.85 -1.03 0.00	44.08 -1.22 0.00	35.89 -1.00 0.00	34.27 -1.01 0.00	37.17 -1.10 0.00	30.88 -0.95 0.00	38.89 -1.12 0.00	40.53 -1.10 0.00	44.91 -1.00 0.00	45.02 -0.81 0.00	35.18 -0.72 0.00	33.83 -0.76 0.00	32.44 -0.77 0.00
S.PERRY__115KV_TB1 80734	50.24 -0.68 0.00	32.60 -0.60 0.00	31.74 -0.50 0.00	32.47 -0.36 0.00	32.85 -0.34 0.00	39.37 -0.10 0.00	41.92 -0.09 0.00	76.51 -0.61 0.00	35.11 -0.65 0.00	38.75 -1.22 -0.58	33.39 -1.29 1.32	62.32 -1.79 -23.22	84.08 -2.12 -40.89	82.23 -1.93 -47.27	47.25 -1.88 -13.85	70.37 -2.05 -34.15	40.52 -1.82 -10.50	36.53 -2.12 1.35	39.76 -1.86 0.00	45.08 -0.83 0.00	45.41 -0.42 0.00	35.42 -0.49 0.00	34.06 -0.54 0.00	32.45 -0.76 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	47.32 -3.61 0.00	30.67 -2.53 0.00	29.90 -2.34 0.00	30.64 -2.19 0.00	31.02 -2.18 0.00	37.16 -2.30 0.00	39.49 -2.52 0.00	71.50 -5.62 0.00	32.91 -2.84 0.00	34.31 -3.63 1.45	31.96 -3.14 0.90	30.06 -3.76 7.06	26.02 -4.22 15.06	19.14 -3.78 13.97	27.45 -3.74 4.09	24.19 -4.05 10.04	24.68 -3.55 3.61	34.78 -4.36 0.87	37.35 -4.28 0.00	42.41 -3.50 0.00	42.33 -3.49 0.00	33.07 -2.84 0.00	32.05 -2.54 0.00	30.72 -2.49 0.00

SAWYER___23_KV_LOAD 55526	47.32 -3.61 0.00	30.67 -2.53 0.00	29.90 -2.34 0.00	30.64 -2.19 0.00	31.02 -2.18 0.00	37.16 -2.30 0.00	39.49 -2.52 0.00	71.50 -5.62 0.00	32.91 -2.84 0.00	34.31 -3.63 1.45	31.96 -3.14 0.90	30.06 -3.76 7.06	26.02 -4.22 15.06	19.14 -3.78 13.97	27.45 -3.74 4.09	24.19 -4.05 10.04	24.68 -3.55 3.61	34.78 -4.36 0.87	37.35 -4.28 0.00	42.41 -3.50 0.00	42.33 -3.49 0.00	33.07 -2.84 0.00	32.05 -2.54 0.00	30.72 -2.49 0.00
SELKIRK___I 23801	51.83 0.91 0.00	33.85 0.65 0.00	32.85 0.61 0.00	33.45 0.62 0.00	33.79 0.60 0.00	40.02 0.55 0.00	42.60 0.60 0.00	78.32 1.20 0.00	36.36 0.60 0.00	40.05 0.66 0.00	36.59 0.60 0.00	41.54 0.65 0.00	46.03 0.73 0.00	37.66 0.76 0.00	36.00 0.72 0.00	39.11 0.84 0.00	32.53 0.70 0.00	40.82 0.81 0.00	42.42 0.79 0.00	46.63 0.72 0.00	46.69 0.86 0.00	36.54 0.63 0.00	35.26 0.67 0.00	33.85 0.64 0.00
SELKIRK___II 23799	51.54 0.61 0.00	33.64 0.44 0.00	32.64 0.40 0.00	33.24 0.40 0.00	33.55 0.36 0.00	39.74 0.27 0.00	42.33 0.32 0.00	77.85 0.73 0.00	36.19 0.43 0.00	39.88 0.49 0.00	36.44 0.44 0.00	41.39 0.51 0.00	45.85 0.56 0.00	37.52 0.63 0.00	35.87 0.59 0.00	38.96 0.69 0.00	32.41 0.58 0.00	40.64 0.64 0.00	42.20 0.58 0.00	46.38 0.47 0.00	46.45 0.62 0.00	36.36 0.45 0.00	35.10 0.50 0.00	33.69 0.48 0.00
SENECA OSWGO___HYD 24041	49.45 -1.48 0.00	32.27 -0.93 0.00	31.36 -0.88 0.00	31.95 -0.88 0.00	32.32 -0.88 0.00	38.47 -1.00 0.00	40.88 -1.12 0.00	74.96 -2.16 0.00	34.75 -1.01 0.00	38.21 -1.18 0.00	34.96 -1.04 0.00	39.66 -1.22 0.00	43.89 -1.41 0.00	35.74 -1.16 0.00	34.14 -1.14 0.00	37.04 -1.24 0.00	30.80 -1.04 0.00	38.71 -1.30 0.00	40.29 -1.34 0.00	44.59 -1.32 0.00	44.58 -1.24 0.00	34.85 -1.06 0.00	33.59 -1.01 0.00	32.25 -0.96 0.00
SENECA___115KV_TB3 355854	48.00 -2.93 0.00	31.12 -2.08 0.00	30.33 -1.91 0.00	31.06 -1.77 0.00	31.43 -1.76 0.00	37.66 -1.80 0.00	40.01 -1.99 0.00	72.53 -4.59 0.00	33.43 -2.32 0.00	34.80 -3.05 1.54	32.37 -2.66 0.97	30.30 -3.19 7.40	25.89 -3.60 15.81	19.00 -3.30 14.59	27.73 -3.27 4.28	24.24 -3.52 10.51	24.93 -3.12 3.79	35.24 -3.82 0.94	37.90 -3.72 0.00	43.02 -2.89 0.00	42.96 -2.87 0.00	33.54 -2.36 0.00	32.50 -2.09 0.00	31.12 -2.09 0.00
SENECA___ENERGY 23797	49.55 -1.37 0.00	32.31 -0.90 0.00	31.35 -0.89 0.00	31.95 -0.88 0.00	32.39 -0.81 0.00	38.60 -0.87 0.00	41.15 -0.85 0.00	75.34 -1.78 0.00	34.87 -0.89 0.00	38.43 -1.11 -0.15	35.02 -0.98 0.00	41.29 -1.35 -1.75	46.47 -1.41 -2.59	38.89 -1.24 -3.24	35.04 -1.19 -0.95	39.30 -1.32 -2.35	31.35 -1.16 -0.68	38.44 -1.37 0.19	40.27 -1.25 0.00	44.73 -1.18 0.00	44.82 -1.00 0.00	35.00 -0.90 0.00	33.72 -0.87 0.00	32.30 -0.91 0.00
SHOEMAKER___GT 23640	52.61 1.69 0.00	34.18 0.98 0.00	33.13 0.89 0.00	33.73 0.90 0.00	34.09 0.90 0.00	40.52 1.05 0.00	43.34 1.33 0.00	79.81 2.69 0.00	37.18 1.42 0.00	40.97 1.58 0.00	37.47 1.47 0.00	42.56 1.68 0.00	47.08 1.78 0.00	38.33 1.44 0.00	36.66 1.37 0.00	39.76 1.49 0.00	33.07 1.23 0.00	41.46 1.45 0.00	43.03 1.41 0.00	47.34 1.43 0.00	47.56 1.74 0.00	37.20 1.29 0.00	35.95 1.36 0.00	34.50 1.29 0.00
SHOEMAKR_138KV_BK 111 55601	52.61 1.69 0.00	34.18 0.98 0.00	33.13 0.89 0.00	33.72 0.88 0.00	34.09 0.89 0.00	40.51 1.05 0.00	43.34 1.34 0.00	79.81 2.69 0.00	37.17 1.41 0.00	40.98 1.58 0.00	37.46 1.46 0.00	42.56 1.68 0.00	47.09 1.79 0.00	38.35 1.46 0.00	36.66 1.38 0.00	39.77 1.50 0.00	33.09 1.25 0.00	41.47 1.46 0.00	43.03 1.41 0.00	47.34 1.43 0.00	47.56 1.74 0.00	37.20 1.29 0.00	35.96 1.37 0.00	34.50 1.30 0.00
SHOREHAM_IC_1 23715	54.62 3.70 0.00	35.31 2.10 0.00	34.14 1.90 0.00	34.68 1.85 0.00	35.07 1.88 0.00	41.80 2.33 0.00	44.94 2.93 0.00	82.43 5.31 0.00	38.47 2.71 0.00	43.22 3.07 -0.76	47.23 2.72 -8.50	45.20 3.24 -1.08	45.09 3.32 3.53	44.45 3.07 -4.48	41.86 3.03 -3.55	41.44 2.98 -0.19	34.75 2.54 -0.38	37.54 3.01 5.48	40.46 2.55 3.72	47.37 2.47 1.00	48.39 2.58 0.00	34.68 2.00 3.22	32.22 2.27 4.63	23.30 2.46 12.37
SHOREHAM_IC_2 23716	54.62 3.69 0.00	35.30 2.10 0.00	34.14 1.90 0.00	34.67 1.84 0.00	35.07 1.87 0.00	41.80 2.33 0.00	44.93 2.93 0.00	82.45 5.33 0.00	38.46 2.71 0.00	43.22 3.07 -0.76	47.21 2.71 -8.50	45.20 3.24 -1.08	45.10 3.33 3.53	44.49 3.11 -4.48	41.87 3.04 -3.55	41.45 2.98 -0.19	34.76 2.55 -0.38	37.53 3.01 5.48	40.45 2.54 3.72	47.36 2.46 1.00	48.40 2.59 0.00	34.71 2.03 3.22	32.28 2.32 4.63	23.32 2.48 12.37
SISSONVILLE____ 23735	50.42 -0.50 0.00	32.85 -0.35 0.00	31.93 -0.31 0.00	32.48 -0.35 0.00	32.86 -0.33 0.00	39.24 -0.23 0.00	41.86 -0.15 0.00	76.77 -0.35 0.00	35.50 -0.25 0.00	38.98 -0.41 0.00	35.58 -0.41 0.00	40.45 -0.43 0.00	44.94 -0.36 0.00	36.71 -0.18 0.00	35.12 -0.17 0.00	37.86 -0.41 0.00	31.61 -0.22 0.00	39.93 -0.08 0.00	41.72 0.10 0.00	45.97 0.06 0.00	45.66 -0.16 0.00	36.02 0.12 0.00	34.47 -0.12 0.00	33.04 -0.17 0.00
SITHE_IND_GS1 24169	49.15 -1.78 0.00	32.11 -1.09 0.00	31.19 -1.05 0.00	31.78 -1.05 0.00	32.15 -1.05 0.00	38.23 -1.24 0.00	40.60 -1.40 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.69 -1.31 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.42 0.00	33.89 -1.40 0.00	36.76 -1.52 0.00	30.56 -1.27 0.00	38.41 -1.60 0.00	39.99 -1.64 0.00	44.21 -1.70 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.34 -1.25 0.00	32.05 -1.16 0.00
SITHE_IND_GS2 24170	49.15 -1.78 0.00	32.11 -1.09 0.00	31.19 -1.05 0.00	31.78 -1.05 0.00	32.15 -1.05 0.00	38.23 -1.24 0.00	40.60 -1.40 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.69 -1.31 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.42 0.00	33.89 -1.40 0.00	36.76 -1.52 0.00	30.56 -1.27 0.00	38.41 -1.60 0.00	39.99 -1.64 0.00	44.21 -1.70 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.34 -1.25 0.00	32.05 -1.16 0.00
SITHE_IND_GS3 24171	49.15 -1.78 0.00	32.11 -1.09 0.00	31.19 -1.05 0.00	31.78 -1.05 0.00	32.15 -1.05 0.00	38.23 -1.24 0.00	40.60 -1.40 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.69 -1.31 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.42 0.00	33.89 -1.40 0.00	36.76 -1.52 0.00	30.56 -1.27 0.00	38.41 -1.60 0.00	39.99 -1.64 0.00	44.21 -1.70 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.34 -1.25 0.00	32.05 -1.16 0.00
SITHE_IND_GS4 24172	49.15 -1.78 0.00	32.11 -1.09 0.00	31.19 -1.05 0.00	31.78 -1.05 0.00	32.15 -1.05 0.00	38.23 -1.24 0.00	40.60 -1.40 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.93 -1.46 0.00	34.69 -1.31 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.42 0.00	33.89 -1.40 0.00	36.76 -1.52 0.00	30.56 -1.27 0.00	38.41 -1.60 0.00	39.99 -1.64 0.00	44.21 -1.70 0.00	44.18 -1.64 0.00	34.57 -1.34 0.00	33.34 -1.25 0.00	32.05 -1.16 0.00

SITHE___BATAVIA 24024	48.73 -2.19 0.00	31.55 -1.65 0.00	30.75 -1.49 0.00	31.42 -1.41 0.00	31.89 -1.31 0.00	38.33 -1.14 0.00	40.88 -1.12 0.00	74.17 -2.94 0.00	33.95 -1.81 0.00	35.78 -2.64 0.97	33.13 -2.17 0.70	34.55 -2.73 3.60	34.12 -2.95 8.23	27.25 -2.58 7.07	30.48 -2.72 2.08	30.14 -3.04 5.09	27.13 -2.77 1.93	35.85 -3.46 0.69	38.25 -3.37 0.00	43.59 -2.32 0.00	43.79 -2.03 0.00	34.24 -1.67 0.00	33.12 -1.47 0.00	31.70 -1.51 0.00
SITHE___INDEPEND 23800	49.15 -1.78 0.00	32.11 -1.10 0.00	31.19 -1.05 0.00	31.78 -1.05 0.00	32.16 -1.04 0.00	38.23 -1.24 0.00	40.60 -1.40 0.00	74.40 -2.72 0.00	34.48 -1.28 0.00	37.94 -1.45 0.00	34.68 -1.32 0.00	39.34 -1.54 0.00	43.58 -1.73 0.00	35.47 -1.43 0.00	33.89 -1.39 0.00	36.75 -1.52 0.00	30.56 -1.28 0.00	38.41 -1.60 0.00	39.99 -1.64 0.00	44.21 -1.70 0.00	44.17 -1.65 0.00	34.57 -1.34 0.00	33.34 -1.25 0.00	32.05 -1.16 0.00
SITHE___MASSENA 23902	51.53 0.61 0.00	33.58 0.37 0.00	32.63 0.39 0.00	33.20 0.37 0.00	33.58 0.39 0.00	40.06 0.60 0.00	42.68 0.67 0.00	78.23 1.11 0.00	36.18 0.43 0.00	39.76 0.36 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.88 0.58 0.00	37.35 0.46 0.00	35.75 0.47 0.00	38.68 0.40 0.00	32.26 0.43 0.00	40.71 0.70 0.00	42.48 0.86 0.00	46.82 0.92 0.00	46.45 0.63 0.00	36.63 0.72 0.00	35.12 0.53 0.00	33.69 0.47 0.00
SITHE___OGDNSBRG 24021	51.94 1.02 0.00	33.83 0.63 0.00	32.88 0.63 0.00	33.44 0.61 0.00	33.85 0.66 0.00	40.44 0.98 0.00	43.18 1.18 0.00	79.13 2.01 0.00	36.51 0.76 0.00	40.02 0.63 0.00	36.56 0.56 0.00	41.52 0.64 0.00	46.07 0.77 0.00	37.53 0.63 0.00	35.95 0.67 0.00	38.83 0.56 0.00	32.46 0.62 0.00	41.04 1.04 0.00	42.90 1.28 0.00	47.41 1.50 0.00	47.08 1.26 0.00	37.13 1.22 0.00	35.52 0.93 0.00	34.03 0.82 0.00
SITHE___STERLING 23777	51.75 0.82 0.00	33.69 0.49 0.00	32.72 0.48 0.00	33.34 0.50 0.00	33.71 0.52 0.00	40.18 0.71 0.00	42.87 0.86 0.00	78.76 1.64 0.00	36.58 0.82 0.00	40.28 0.89 0.00	36.85 0.85 0.00	41.76 0.88 0.00	46.14 0.84 0.00	37.55 0.66 0.00	35.91 0.63 0.00	38.92 0.64 0.00	32.34 0.50 0.00	40.69 0.68 0.00	42.38 0.76 0.00	46.86 0.95 0.00	46.87 1.05 0.00	36.60 0.70 0.00	35.21 0.61 0.00	33.70 0.49 0.00
SLEIGHT__34_KV_TB1 80719	49.06 -1.87 0.00	31.93 -1.27 0.00	31.02 -1.22 0.00	31.66 -1.17 0.00	32.09 -1.11 0.00	38.31 -1.16 0.00	40.85 -1.16 0.00	74.68 -2.43 0.00	34.52 -1.24 0.00	37.56 -1.57 0.27	34.39 -1.34 0.27	39.08 -1.73 0.07	42.73 -1.89 0.68	35.19 -1.70 0.00	33.56 -1.72 0.00	36.37 -1.91 0.00	30.07 -1.65 0.12	37.75 -1.96 0.29	39.67 -1.95 0.00	44.31 -1.61 0.00	44.32 -1.51 0.00	34.62 -1.28 0.00	33.35 -1.25 0.00	31.95 -1.26 0.00
SMITHTWN_69_KV_BK 1 55830	54.44 3.51 0.00	35.19 2.00 0.00	34.03 1.79 0.00	34.57 1.74 0.00	34.95 1.76 0.00	41.67 2.21 0.00	44.78 2.77 0.00	82.23 5.12 0.00	38.41 2.66 0.00	43.22 3.06 -0.77	47.44 2.72 -8.72	45.37 3.22 -1.28	45.17 3.32 3.45	44.50 3.01 -4.60	41.96 2.96 -3.72	41.56 2.99 -0.30	34.79 2.48 -0.47	37.58 2.88 5.30	40.59 2.56 3.60	47.49 2.56 0.97	48.52 2.70 0.00	34.87 2.09 3.12	32.46 2.34 4.48	23.66 2.41 11.96
SOUTH CAIRO___GT 23612	52.87 1.94 0.00	34.50 1.30 0.00	33.44 1.20 0.00	34.06 1.24 0.00	34.43 1.23 0.00	40.84 1.38 0.00	43.64 1.63 0.00	80.47 3.35 0.00	37.49 1.73 0.00	41.33 1.94 0.00	37.74 1.74 0.00	42.82 1.93 0.00	47.53 2.22 0.00	38.94 2.05 0.00	37.08 1.79 0.00	40.33 2.06 0.00	33.53 1.69 0.00	42.07 2.07 0.00	43.81 2.19 0.00	48.25 2.34 0.00	48.28 2.46 0.00	37.69 1.79 0.00	36.28 1.69 0.00	34.71 1.50 0.00
SOUTH HAMPTN___IC 23720	55.34 4.41 0.00	35.77 2.57 0.00	34.58 2.34 0.00	35.14 2.31 0.00	35.56 2.36 0.00	42.36 2.89 0.00	45.49 3.49 0.00	83.39 6.27 0.00	38.71 2.96 0.00	43.35 3.21 -0.75	47.19 2.80 -8.39	45.19 3.34 -0.97	45.20 3.48 3.58	44.66 3.33 -4.43	42.04 3.26 -3.50	41.62 3.19 -0.15	35.10 2.92 -0.34	37.91 3.45 5.54	40.60 2.74 3.76	47.46 2.57 1.01	48.48 2.67 0.00	34.65 2.00 3.26	32.19 2.29 4.69	23.39 2.68 12.50
SOUTHDOW_115KV_TB1 355954	49.59 -1.34 0.00	32.34 -0.86 0.00	31.53 -0.71 0.00	32.17 -0.66 0.00	32.46 -0.73 0.00	38.80 -0.67 0.00	41.32 -0.69 0.00	75.36 -1.76 0.00	34.95 -0.81 0.00	36.49 -1.42 1.48	33.53 -1.38 1.09	34.07 -1.66 5.16	31.49 -2.03 11.78	24.70 -2.21 9.99	30.08 -2.27 2.93	29.89 -2.32 6.06	27.26 -2.18 2.40	36.30 -2.62 1.08	39.30 -2.32 0.00	44.66 -1.25 0.00	44.67 -1.15 0.00	34.74 -1.17 0.00	33.64 -0.96 0.00	32.00 -1.21 0.00
SOUTHOLD_69_KV_BK 2 55809	55.90 4.97 0.00	36.10 2.90 0.00	34.92 2.68 0.00	35.47 2.64 0.00	35.90 2.70 0.00	42.76 3.29 0.00	45.88 3.88 0.00	84.04 6.93 0.00	38.79 3.04 0.00	43.27 3.12 -0.75	46.98 2.59 -8.40	44.96 3.10 -0.97	45.03 3.30 3.58	44.71 3.39 -4.43	42.02 3.23 -3.50	41.51 3.08 -0.15	35.22 3.04 -0.35	38.11 3.65 5.54	40.51 2.65 3.76	47.22 2.33 1.01	48.21 2.39 0.00	34.39 1.74 3.26	32.06 2.15 4.69	23.46 2.75 12.50
SOUTHOLD___IC 23719	55.90 4.97 0.00	36.10 2.90 0.00	34.92 2.68 0.00	35.49 2.66 0.00	35.91 2.71 0.00	42.76 3.29 0.00	45.88 3.88 0.00	84.03 6.91 0.00	38.80 3.04 0.00	43.27 3.13 -0.75	46.99 2.59 -8.40	44.95 3.09 -0.97	45.02 3.29 3.58	44.67 3.35 -4.43	42.00 3.22 -3.50	41.52 3.09 -0.15	35.22 3.04 -0.35	38.13 3.66 5.54	40.52 2.66 3.76	47.22 2.34 1.01	48.21 2.39 0.00	34.37 1.72 3.26	32.00 2.10 4.69	23.44 2.73 12.50
SOUTH_FORK_WT_PWR 323839	56.07 5.14 0.00	36.22 3.02 0.00	35.03 2.79 0.00	35.60 2.77 0.00	36.02 2.83 0.00	42.86 3.40 0.00	45.94 3.93 0.00	84.02 6.90 0.00	38.60 2.84 0.00	42.88 2.74 -0.75	46.52 2.13 -8.40	44.38 2.52 -0.97	44.46 2.74 3.58	44.37 3.05 -4.43	41.68 2.90 -3.50	41.09 2.67 -0.15	35.06 2.88 -0.34	37.95 3.49 5.54	40.08 2.22 3.76	46.60 1.71 1.01	47.56 1.75 0.00	33.84 1.19 3.26	31.56 1.65 4.69	23.26 2.55 12.50
SPIERFLS_115KV_TB 1 80737	52.77 1.84 0.00	34.37 1.17 0.00	33.30 1.06 0.00	33.90 1.07 0.00	34.29 1.09 0.00	40.74 1.28 0.00	43.60 1.60 0.00	80.27 3.15 0.00	37.22 1.46 0.00	41.21 1.82 0.00	37.57 1.57 0.00	42.83 1.95 0.00	47.47 2.17 0.00	38.82 1.92 0.00	37.11 1.83 0.00	40.36 2.08 0.00	33.50 1.67 0.00	42.16 2.16 0.00	43.83 2.20 0.00	48.10 2.19 0.00	48.14 2.32 0.00	37.44 1.53 0.00	36.10 1.51 0.00	34.50 1.29 0.00
ST LAWRENCE____ 23600	51.00 0.07 0.00	33.24 0.04 0.00	32.30 0.06 0.00	32.86 0.03 0.00	33.24 0.05 0.00	39.63 0.16 0.00	42.19 0.19 0.00	77.41 0.29 0.00	35.81 0.05 0.00	39.35 -0.04 0.00	35.94 -0.06 0.00	40.86 -0.02 0.00	45.42 0.12 0.00	36.95 0.06 0.00	35.37 0.09 0.00	38.30 0.02 0.00	31.94 0.10 0.00	40.27 0.27 0.00	42.01 0.39 0.00	46.43 0.52 0.00	46.06 0.24 0.00	36.18 0.28 0.00	34.73 0.13 0.00	33.31 0.11 0.00

STATE_CA_115KV_115_LB 55624	51.57 0.64 0.00	33.70 0.50 0.00	32.66 0.42 0.00	33.25 0.42 0.00	33.57 0.37 0.00	39.72 0.26 0.00	42.35 0.34 0.00	77.93 0.82 0.00	36.23 0.47 0.00	39.93 0.54 0.00	36.51 0.51 0.00	41.46 0.58 0.00	45.95 0.65 0.00	37.67 0.78 0.00	36.00 0.72 0.00	39.11 0.84 0.00	32.54 0.70 0.00	40.77 0.77 0.00	42.32 0.70 0.00	46.47 0.56 0.00	46.53 0.71 0.00	36.43 0.52 0.00	35.15 0.56 0.00	33.71 0.50 0.00
STATE_ST_34_KV_LOAD 55959	50.52 -0.41 0.00	32.95 -0.25 0.00	31.89 -0.35 0.00	32.49 -0.34 0.00	32.99 -0.21 0.00	39.22 -0.25 0.00	41.87 -0.14 0.00	76.73 -0.39 0.00	35.58 -0.18 0.00	39.52 -0.30 -0.43	36.10 -0.26 -0.36	41.28 -0.55 -0.95	45.54 -0.51 -0.75	36.42 -0.47 0.00	34.82 -0.47 0.00	37.76 -0.52 0.00	31.41 -0.56 -0.13	39.80 -0.53 -0.32	41.14 -0.48 0.00	45.46 -0.45 0.00	45.56 -0.26 0.00	35.62 -0.28 0.00	34.30 -0.29 0.00	32.87 -0.33 0.00
STATION_5_MISC_HYD 23604	48.71 -2.21 0.00	31.64 -1.56 0.00	30.81 -1.43 0.00	31.42 -1.41 0.00	31.86 -1.33 0.00	38.13 -1.34 0.00	40.59 -1.42 0.00	73.98 -3.13 0.00	34.09 -1.67 0.00	36.73 -2.13 0.53	33.68 -1.79 0.53	38.51 -2.24 0.13	41.57 -2.46 1.27	34.73 -2.16 0.00	33.03 -2.25 0.00	35.81 -2.47 0.00	29.47 -2.14 0.22	36.84 -2.63 0.54	39.05 -2.57 0.00	43.91 -2.00 0.00	43.90 -1.92 0.00	34.31 -1.60 0.00	33.10 -1.49 0.00	31.71 -1.49 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	49.19 -1.73 0.00	32.01 -1.19 0.00	31.13 -1.11 0.00	31.79 -1.04 0.00	32.19 -1.00 0.00	38.46 -1.00 0.00	40.99 -1.02 0.00	74.87 -2.25 0.00	34.58 -1.18 0.00	37.36 -1.49 0.55	34.17 -1.28 0.55	39.08 -1.66 0.15	42.05 -1.83 1.41	35.24 -1.65 0.00	33.63 -1.65 0.00	36.43 -1.84 0.00	30.01 -1.57 0.25	37.49 -1.91 0.60	39.78 -1.85 0.00	44.50 -1.41 0.00	44.48 -1.34 0.00	34.76 -1.15 0.00	33.49 -1.10 0.00	32.06 -1.15 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	48.52 -2.41 0.00	31.53 -1.67 0.00	30.69 -1.55 0.00	31.36 -1.47 0.00	31.76 -1.43 0.00	37.97 -1.50 0.00	40.43 -1.58 0.00	73.74 -3.38 0.00	34.00 -1.76 0.00	36.68 -2.20 0.51	33.61 -1.87 0.51	38.41 -2.34 0.13	41.49 -2.58 1.24	34.60 -2.30 0.00	32.96 -2.32 0.00	35.70 -2.57 0.00	29.42 -2.20 0.22	36.79 -2.68 0.53	39.00 -2.62 0.00	43.77 -2.14 0.00	43.76 -2.06 0.00	34.20 -1.70 0.00	32.99 -1.61 0.00	31.61 -1.60 0.00
STA_56___34_KV_BUS2 355983	48.52 -2.41 0.00	31.53 -1.67 0.00	30.69 -1.55 0.00	31.36 -1.47 0.00	31.76 -1.43 0.00	37.97 -1.50 0.00	40.43 -1.58 0.00	73.74 -3.38 0.00	34.00 -1.76 0.00	36.68 -2.20 0.51	33.61 -1.87 0.51	38.41 -2.34 0.13	41.49 -2.58 1.24	34.60 -2.30 0.00	32.96 -2.32 0.00	35.70 -2.57 0.00	29.42 -2.20 0.22	36.79 -2.68 0.53	39.00 -2.62 0.00	43.77 -2.14 0.00	43.76 -2.06 0.00	34.20 -1.70 0.00	32.99 -1.61 0.00	31.61 -1.60 0.00
STA_67___115KV_BK2 355882	48.61 -2.32 0.00	31.58 -1.62 0.00	30.75 -1.50 0.00	31.43 -1.40 0.00	31.83 -1.37 0.00	38.05 -1.42 0.00	40.50 -1.51 0.00	73.83 -3.29 0.00	34.02 -1.73 0.00	36.66 -2.20 0.53	33.60 -1.87 0.53	38.41 -2.34 0.13	41.45 -2.58 1.26	34.58 -2.31 0.00	32.94 -2.34 0.00	35.69 -2.58 0.00	29.40 -2.22 0.22	36.75 -2.71 0.54	38.98 -2.64 0.00	43.81 -2.10 0.00	43.79 -2.04 0.00	34.23 -1.67 0.00	33.03 -1.56 0.00	31.65 -1.56 0.00
STA_7___115KV_9TRANS 80674	48.94 -1.99 0.00	31.78 -1.42 0.00	30.93 -1.31 0.00	31.62 -1.21 0.00	32.02 -1.17 0.00	38.29 -1.18 0.00	40.78 -1.22 0.00	74.36 -2.76 0.00	34.27 -1.48 0.00	36.94 -1.92 0.53	33.86 -1.61 0.53	38.71 -2.04 0.13	41.78 -2.25 1.27	34.86 -2.04 0.00	33.17 -2.10 0.00	35.94 -2.34 0.00	29.60 -2.01 0.22	37.03 -2.44 0.54	39.28 -2.34 0.00	44.15 -1.76 0.00	44.13 -1.69 0.00	34.49 -1.42 0.00	33.27 -1.33 0.00	31.87 -1.35 0.00
STA_82___115KV_TB1 80780	48.61 -2.32 0.00	31.58 -1.62 0.00	30.75 -1.50 0.00	31.43 -1.40 0.00	31.83 -1.37 0.00	38.05 -1.42 0.00	40.50 -1.50 0.00	73.84 -3.28 0.00	34.03 -1.73 0.00	36.66 -2.20 0.54	33.59 -1.87 0.54	38.41 -2.34 0.13	41.43 -2.59 1.28	34.59 -2.31 0.00	32.94 -2.34 0.00	35.69 -2.59 0.00	29.39 -2.23 0.22	36.75 -2.71 0.54	38.98 -2.64 0.00	43.81 -2.09 0.00	43.80 -2.02 0.00	34.24 -1.67 0.00	33.03 -1.56 0.00	31.66 -1.56 0.00
STEEL___WIND 323596	47.95 -2.98 0.00	31.07 -2.13 0.00	30.30 -1.94 0.00	30.93 -1.90 0.00	31.36 -1.84 0.00	37.64 -1.82 0.00	39.99 -2.02 0.00	72.42 -4.70 0.00	33.39 -2.37 0.00	34.73 -3.12 1.54	32.34 -2.70 0.97	30.22 -3.26 7.40	25.85 -3.64 15.81	19.02 -3.28 14.59	27.70 -3.30 4.28	24.26 -3.51 10.51	24.90 -3.14 3.79	35.19 -3.87 0.94	37.83 -3.80 0.00	42.93 -2.98 0.00	42.90 -2.92 0.00	33.48 -2.43 0.00	32.45 -2.14 0.00	31.09 -2.11 0.00
STEPHTWN_115KV_BK_2 55603	51.78 0.85 0.00	33.83 0.63 0.00	32.77 0.52 0.00	33.33 0.50 0.00	33.68 0.49 0.00	39.97 0.50 0.00	42.66 0.65 0.00	78.52 1.40 0.00	36.53 0.77 0.00	40.18 0.79 0.00	36.79 0.79 0.00	41.80 0.92 0.00	46.26 0.96 0.00	37.93 1.03 0.00	36.25 0.97 0.00	39.37 1.09 0.00	32.70 0.87 0.00	41.06 1.05 0.00	42.69 1.06 0.00	46.84 0.94 0.00	46.86 1.04 0.00	36.71 0.81 0.00	35.45 0.86 0.00	33.96 0.75 0.00
STEBEN_REC_LFGE 323667	49.77 -1.16 0.00	32.27 -0.93 0.00	31.52 -0.72 0.00	32.18 -0.64 0.00	32.51 -0.69 0.00	38.83 -0.64 0.00	41.17 -0.83 0.00	75.23 -1.88 0.00	34.84 -0.92 0.00	35.93 -1.50 1.97	31.31 -1.50 3.19	53.36 -1.95 -14.42	64.89 -2.37 -21.96	65.90 -2.10 -31.11	42.43 -1.97 -9.12	58.55 -2.17 -22.43	35.78 -2.02 -5.97	34.49 -2.47 3.05	39.49 -2.13 0.00	44.54 -1.37 0.00	44.70 -1.12 0.00	34.71 -1.20 0.00	33.37 -1.23 0.00	31.68 -1.52 0.00
STILLWATER___SOLAR 323814	52.72 1.79 0.00	34.35 1.15 0.00	33.30 1.06 0.00	33.90 1.07 0.00	34.26 1.07 0.00	40.67 1.20 0.00	43.40 1.40 0.00	79.88 2.76 0.00	37.01 1.25 0.00	40.90 1.51 0.00	37.29 1.29 0.00	42.48 1.60 0.00	47.07 1.77 0.00	38.48 1.59 0.00	36.81 1.53 0.00	40.03 1.76 0.00	33.27 1.43 0.00	41.79 1.79 0.00	43.44 1.82 0.00	47.72 1.81 0.00	47.77 1.95 0.00	37.27 1.37 0.00	35.97 1.38 0.00	34.44 1.23 0.00
STONY___BROOK 24151	54.45 3.52 0.00	35.20 2.00 0.00	34.04 1.80 0.00	34.59 1.76 0.00	34.97 1.78 0.00	41.67 2.20 0.00	44.79 2.78 0.00	82.24 5.12 0.00	38.42 2.67 0.00	43.23 3.07 -0.77	47.42 2.73 -8.69	45.35 3.22 -1.25	45.17 3.33 3.46	44.46 2.99 -4.58	41.91 2.96 -3.67	41.53 2.99 -0.26	34.78 2.50 -0.44	37.55 2.90 5.35	40.56 2.56 3.63	47.48 2.55 0.98	48.50 2.68 0.00	34.83 2.07 3.15	32.37 2.30 4.52	23.56 2.44 12.08
STURGEON_POOL_HYD 23609	52.97 2.04 0.00	34.40 1.20 0.00	33.35 1.11 0.00	33.92 1.10 0.00	34.29 1.10 0.00	40.75 1.28 0.00	43.63 1.63 0.00	80.39 3.28 0.00	37.48 1.73 0.00	41.36 1.96 0.00	37.82 1.82 0.00	42.97 2.09 0.00	47.55 2.25 0.00	38.70 1.81 0.00	37.01 1.73 0.00	40.16 1.88 0.00	33.41 1.57 0.00	41.85 1.84 0.00	43.42 1.79 0.00	47.73 1.82 0.00	47.95 2.13 0.00	37.50 1.60 0.00	36.25 1.66 0.00	34.80 1.59 0.00

ST_LAW_115_BK7_LBMP 345037	50.99 0.07 0.00	33.24 0.03 0.00	32.30 0.06 0.00	32.86 0.03 0.00	33.24 0.04 0.00	39.63 0.17 0.00	42.19 0.19 0.00	77.41 0.29 0.00	35.81 0.05 0.00	39.35 -0.04 0.00	35.93 -0.07 0.00	40.86 -0.03 0.00	45.42 0.12 0.00	36.97 0.08 0.00	35.38 0.10 0.00	38.30 0.03 0.00	31.94 0.11 0.00	40.29 0.29 0.00	42.04 0.42 0.00	46.46 0.55 0.00	46.07 0.25 0.00	36.21 0.30 0.00	34.74 0.15 0.00	33.34 0.12 0.00
ST_LAW_115_BK8_LBMP 345038	50.99 0.07 0.00	33.24 0.03 0.00	32.30 0.06 0.00	32.86 0.03 0.00	33.24 0.04 0.00	39.63 0.17 0.00	42.19 0.19 0.00	77.41 0.29 0.00	35.81 0.05 0.00	39.35 -0.04 0.00	35.93 -0.07 0.00	40.86 -0.03 0.00	45.42 0.12 0.00	36.97 0.08 0.00	35.38 0.10 0.00	38.30 0.03 0.00	31.94 0.11 0.00	40.29 0.29 0.00	42.04 0.42 0.00	46.46 0.55 0.00	46.07 0.25 0.00	36.21 0.30 0.00	34.74 0.15 0.00	33.34 0.12 0.00
ST_LAW_230_BK5_LBMP 345035	51.00 0.07 0.00	33.24 0.04 0.00	32.30 0.06 0.00	32.86 0.03 0.00	33.24 0.05 0.00	39.63 0.16 0.00	42.19 0.19 0.00	77.41 0.29 0.00	35.81 0.05 0.00	39.35 -0.04 0.00	35.94 -0.06 0.00	40.86 -0.02 0.00	45.42 0.12 0.00	36.95 0.06 0.00	35.37 0.09 0.00	38.30 0.02 0.00	31.94 0.10 0.00	40.27 0.27 0.00	42.01 0.39 0.00	46.43 0.52 0.00	46.06 0.24 0.00	36.18 0.28 0.00	34.73 0.13 0.00	33.31 0.11 0.00
ST_LAW_230_BK6_LBMP 345036	51.00 0.07 0.00	33.24 0.04 0.00	32.30 0.06 0.00	32.86 0.03 0.00	33.24 0.05 0.00	39.63 0.16 0.00	42.19 0.19 0.00	77.41 0.29 0.00	35.81 0.05 0.00	39.35 -0.04 0.00	35.94 -0.06 0.00	40.86 -0.02 0.00	45.42 0.12 0.00	36.95 0.06 0.00	35.37 0.09 0.00	38.30 0.02 0.00	31.94 0.10 0.00	40.27 0.27 0.00	42.01 0.39 0.00	46.43 0.52 0.00	46.06 0.24 0.00	36.18 0.28 0.00	34.73 0.13 0.00	33.31 0.11 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	52.79 1.87 0.00	34.27 1.07 0.00	33.20 0.96 0.00	33.79 0.96 0.00	34.15 0.96 0.00	40.60 1.13 0.00	43.49 1.48 0.00	80.08 2.96 0.00	37.31 1.55 0.00	41.15 1.75 0.00	37.61 1.62 0.00	42.73 1.85 0.00	47.29 1.99 0.00	38.51 1.62 0.00	36.81 1.53 0.00	39.96 1.68 0.00	33.24 1.41 0.00	41.64 1.64 0.00	43.19 1.57 0.00	47.50 1.59 0.00	47.75 1.93 0.00	37.35 1.44 0.00	36.12 1.52 0.00	34.64 1.43 0.00
SWANROAD_115KV_TB1 355699	46.29 -4.64 0.00	29.93 -3.27 0.00	29.20 -3.04 0.00	30.00 -2.83 0.00	30.37 -2.82 0.00	36.43 -3.03 0.00	38.70 -3.31 0.00	69.87 -7.25 0.00	32.16 -3.59 0.00	33.68 -4.45 1.26	31.36 -3.82 0.82	30.89 -4.36 5.64	28.21 -4.83 12.25	21.53 -4.28 11.08	27.72 -4.30 3.26	25.68 -4.59 8.01	24.81 -4.11 2.92	34.01 -5.19 0.80	36.39 -5.24 0.00	41.39 -4.52 0.00	41.32 -4.50 0.00	32.29 -3.62 0.00	31.40 -3.20 0.00	30.12 -3.09 0.00
SYNERGY___BIOGAS 323694	48.73 -2.19 0.00	31.56 -1.64 0.00	30.75 -1.49 0.00	31.52 -1.31 0.00	31.93 -1.26 0.00	38.33 -1.14 0.00	40.88 -1.13 0.00	74.19 -2.93 0.00	33.97 -1.79 0.00	35.81 -2.61 0.97	33.12 -2.18 0.70	34.54 -2.74 3.60	34.08 -2.99 8.23	27.16 -2.66 7.07	30.46 -2.75 2.08	30.08 -3.10 5.09	27.12 -2.78 1.93	35.86 -3.45 0.69	38.27 -3.36 0.00	43.61 -2.30 0.00	43.78 -2.04 0.00	34.25 -1.65 0.00	33.12 -1.47 0.00	31.70 -1.51 0.00
SYRACUSE___ENERGY_ST1 323597	50.18 -0.75 0.00	32.74 -0.46 0.00	31.78 -0.45 0.00	32.38 -0.45 0.00	32.78 -0.41 0.00	39.01 -0.45 0.00	41.50 -0.50 0.00	76.11 -1.01 0.00	35.31 -0.45 0.00	38.83 -0.56 0.00	35.50 -0.49 0.00	40.24 -0.64 0.00	44.55 -0.75 0.00	36.26 -0.64 0.00	34.65 -0.63 0.00	37.59 -0.69 0.00	31.23 -0.60 0.00	39.28 -0.73 0.00	40.90 -0.72 0.00	45.23 -0.68 0.00	45.23 -0.60 0.00	35.36 -0.54 0.00	34.07 -0.52 0.00	32.70 -0.51 0.00
SYRACUSE___ENERGY_ST2 323598	50.18 -0.75 0.00	32.74 -0.46 0.00	31.78 -0.45 0.00	32.38 -0.45 0.00	32.78 -0.41 0.00	39.01 -0.45 0.00	41.50 -0.50 0.00	76.11 -1.01 0.00	35.31 -0.45 0.00	38.83 -0.56 0.00	35.50 -0.49 0.00	40.24 -0.64 0.00	44.55 -0.75 0.00	36.26 -0.64 0.00	34.65 -0.63 0.00	37.59 -0.69 0.00	31.23 -0.60 0.00	39.28 -0.73 0.00	40.90 -0.72 0.00	45.23 -0.68 0.00	45.23 -0.60 0.00	35.36 -0.54 0.00	34.07 -0.52 0.00	32.70 -0.51 0.00
SYRACUSE___POWER 24017	50.29 -0.63 0.00	32.80 -0.41 0.00	31.86 -0.38 0.00	32.47 -0.36 0.00	32.85 -0.35 0.00	39.12 -0.35 0.00	41.61 -0.39 0.00	76.30 -0.82 0.00	35.41 -0.34 0.00	39.19 -0.43 -0.23	35.84 -0.38 -0.23	40.45 -0.49 -0.05	45.22 -0.59 -0.51	36.36 -0.53 0.00	34.75 -0.53 0.00	37.69 -0.59 0.00	31.41 -0.51 -0.09	39.60 -0.63 -0.23	40.99 -0.63 0.00	45.38 -0.53 0.00	45.37 -0.45 0.00	35.46 -0.44 0.00	34.18 -0.41 0.00	32.78 -0.43 0.00
TALLMAN__138KV_BK151 55660	52.96 2.03 0.00	34.36 1.16 0.00	33.27 1.03 0.00	33.85 1.02 0.00	34.22 1.02 0.00	40.68 1.21 0.00	43.61 1.60 0.00	80.34 3.23 0.00	37.44 1.68 0.00	41.29 1.90 0.00	37.75 1.75 0.00	42.87 1.99 0.00	47.45 2.15 0.00	38.64 1.74 0.00	36.93 1.65 0.00	40.09 1.81 0.00	33.35 1.52 0.00	41.78 1.77 0.00	43.30 1.68 0.00	47.60 1.69 0.00	47.90 2.08 0.00	37.47 1.57 0.00	36.26 1.66 0.00	34.77 1.56 0.00
TEALLAVE_115KV_TB7 355573	50.00 -0.93 0.00	32.61 -0.59 0.00	31.68 -0.56 0.00	32.29 -0.54 0.00	32.67 -0.53 0.00	38.89 -0.58 0.00	41.36 -0.64 0.00	75.86 -1.26 0.00	35.18 -0.57 0.00	38.71 -0.69 0.00	35.39 -0.61 0.00	40.13 -0.75 0.00	44.41 -0.89 0.00	36.14 -0.75 0.00	34.54 -0.74 0.00	37.45 -0.82 0.00	31.12 -0.71 0.00	39.11 -0.90 0.00	40.71 -0.91 0.00	45.08 -0.83 0.00	45.07 -0.75 0.00	35.23 -0.67 0.00	33.97 -0.62 0.00	32.59 -0.62 0.00
TELGRAPH_34_KV_EAST 80808	47.58 -3.35 0.00	30.80 -2.40 0.00	30.02 -2.22 0.00	30.80 -2.03 0.00	31.19 -2.01 0.00	37.41 -2.06 0.00	39.82 -2.19 0.00	72.08 -5.03 0.00	33.12 -2.64 0.00	34.84 -3.43 1.12	32.32 -2.92 0.76	32.74 -3.47 4.67	31.13 -3.83 10.34	24.25 -3.45 9.19	29.10 -3.49 2.70	27.87 -3.78 6.63	26.01 -3.38 2.45	35.04 -4.21 0.75	37.44 -4.18 0.00	42.60 -3.32 0.00	42.61 -3.21 0.00	33.31 -2.59 0.00	32.29 -2.31 0.00	30.94 -2.27 0.00
TEMPLE___115KV_TB 2 55572	50.03 -0.90 0.00	32.63 -0.57 0.00	31.70 -0.54 0.00	32.31 -0.52 0.00	32.68 -0.51 0.00	38.92 -0.55 0.00	41.37 -0.63 0.00	75.89 -1.23 0.00	35.20 -0.56 0.00	38.73 -0.66 0.00	35.42 -0.58 0.00	40.17 -0.72 0.00	44.45 -0.85 0.00	36.16 -0.73 0.00	34.54 -0.74 0.00	37.48 -0.80 0.00	31.14 -0.69 0.00	39.13 -0.87 0.00	40.74 -0.88 0.00	45.11 -0.80 0.00	45.10 -0.73 0.00	35.25 -0.65 0.00	33.99 -0.60 0.00	32.61 -0.59 0.00
TIANA____69_KV_BK 1 55817	55.14 4.21 0.00	35.63 2.43 0.00	34.45 2.21 0.00	35.00 2.17 0.00	35.41 2.22 0.00	42.21 2.74 0.00	45.35 3.34 0.00	83.18 6.06 0.00	38.68 2.92 0.00	43.38 3.24 -0.75	47.22 2.83 -8.40	45.26 3.40 -0.97	45.24 3.51 3.58	44.67 3.35 -4.43	42.04 3.26 -3.50	41.64 3.21 -0.15	35.04 2.86 -0.34	37.83 3.37 5.54	40.63 2.77 3.76	47.54 2.65 1.01	48.56 2.74 0.00	34.75 2.10 3.26	32.31 2.40 4.69	23.37 2.66 12.50

TILDEN___115KV_TB1 80814	50.29 -0.63 0.00	32.80 -0.41 0.00	31.86 -0.38 0.00	32.47 -0.36 0.00	32.85 -0.35 0.00	39.12 -0.35 0.00	41.61 -0.39 0.00	76.30 -0.82 0.00	35.41 -0.34 0.00	39.19 -0.43 -0.23	35.84 -0.38 -0.23	40.45 -0.49 -0.05	45.22 -0.59 -0.51	36.36 -0.53 0.00	34.75 -0.53 0.00	37.69 -0.59 0.00	31.41 -0.51 -0.09	39.60 -0.63 -0.23	40.99 -0.63 0.00	45.38 -0.53 0.00	45.37 -0.45 0.00	35.46 -0.44 0.00	34.18 -0.41 0.00	32.78 -0.43 0.00
TRIGEN___CC 323695	53.69 2.76 0.00	34.77 1.57 0.00	33.66 1.42 0.00	34.21 1.38 0.00	34.58 1.39 0.00	41.18 1.71 0.00	44.14 2.14 0.00	81.11 3.99 0.00	37.93 2.18 0.00	47.20 2.50 -5.30	115.22 2.32 -76.90	109.96 2.73 -66.34	72.83 2.87 -24.66	77.12 2.42 -37.80	71.01 2.34 -33.39	60.64 2.48 -19.89	51.80 2.07 -17.90	70.43 2.40 -28.03	61.84 2.18 -18.04	53.03 2.24 -4.88	48.28 2.44 -0.02	53.38 1.90 -15.57	58.84 2.08 -22.17	95.24 2.06 -59.97
TRINITY___115KV___4 BK 55933	51.40 0.47 0.00	33.59 0.39 0.00	32.56 0.32 0.00	33.14 0.31 0.00	33.45 0.25 0.00	39.58 0.11 0.00	42.16 0.15 0.00	77.57 0.45 0.00	36.06 0.30 0.00	39.75 0.36 0.00	36.32 0.32 0.00	41.26 0.38 0.00	45.72 0.42 0.00	37.49 0.60 0.00	35.84 0.56 0.00	38.94 0.67 0.00	32.40 0.56 0.00	40.59 0.58 0.00	42.13 0.50 0.00	46.25 0.34 0.00	46.32 0.50 0.00	36.26 0.36 0.00	35.01 0.41 0.00	33.58 0.37 0.00
UNION___PROCESSING_DRP 323587	48.62 -2.31 0.00	31.59 -1.61 0.00	30.75 -1.49 0.00	31.44 -1.39 0.00	31.83 -1.36 0.00	38.05 -1.42 0.00	40.52 -1.49 0.00	73.84 -3.28 0.00	34.04 -1.72 0.00	36.66 -2.19 0.54	33.59 -1.87 0.54	38.41 -2.34 0.13	41.44 -2.58 1.28	34.59 -2.31 0.00	32.94 -2.34 0.00	35.69 -2.58 0.00	29.40 -2.22 0.22	36.75 -2.71 0.55	38.99 -2.63 0.00	43.82 -2.09 0.00	43.81 -2.01 0.00	34.24 -1.66 0.00	33.04 -1.56 0.00	31.66 -1.55 0.00
UPPER HUDSON___HYD 24058	52.77 1.84 0.00	34.37 1.17 0.00	33.30 1.06 0.00	33.91 1.08 0.00	34.29 1.10 0.00	40.74 1.28 0.00	43.60 1.60 0.00	80.27 3.15 0.00	37.21 1.46 0.00	41.22 1.83 0.00	37.57 1.57 0.00	42.83 1.95 0.00	47.47 2.17 0.00	38.80 1.91 0.00	37.11 1.83 0.00	40.35 2.08 0.00	33.50 1.67 0.00	42.16 2.16 0.00	43.82 2.20 0.00	48.10 2.19 0.00	48.14 2.32 0.00	37.44 1.53 0.00	36.10 1.51 0.00	34.49 1.29 0.00
UPPER RAQUET___HYD 24056	50.43 -0.50 0.00	32.85 -0.35 0.00	31.93 -0.31 0.00	32.48 -0.35 0.00	32.86 -0.33 0.00	39.24 -0.23 0.00	41.86 -0.14 0.00	76.77 -0.35 0.00	35.50 -0.25 0.00	38.98 -0.41 0.00	35.58 -0.41 0.00	40.45 -0.43 0.00	44.94 -0.36 0.00	36.71 -0.18 0.00	35.12 -0.16 0.00	37.86 -0.41 0.00	31.61 -0.23 0.00	39.93 -0.08 0.00	41.72 0.10 0.00	45.98 0.07 0.00	45.66 -0.16 0.00	36.02 0.12 0.00	34.47 -0.12 0.00	33.04 -0.17 0.00
VALLEY44_115KV_TB2 355964	49.11 -1.82 0.00	31.96 -1.24 0.00	31.19 -1.05 0.00	31.92 -0.90 0.00	32.30 -0.89 0.00	38.50 -0.97 0.00	40.78 -1.23 0.00	74.18 -2.94 0.00	34.29 -1.46 0.00	36.14 -1.84 1.41	33.24 -1.59 1.17	35.71 -1.87 3.31	34.72 -2.18 8.40	28.62 -2.10 6.18	31.32 -2.15 1.81	31.14 -2.40 4.74	27.43 -2.43 1.97	35.85 -3.04 1.11	38.75 -2.88 0.00	43.90 -2.01 0.00	44.05 -1.78 0.00	34.46 -1.45 0.00	33.38 -1.21 0.00	31.86 -1.35 0.00
VALLEY___115KV_TB 1-4 80826	50.85 -0.07 0.00	33.16 -0.04 0.00	32.15 -0.08 0.00	32.75 -0.09 0.00	33.10 -0.09 0.00	39.32 -0.14 0.00	41.96 -0.05 0.00	77.30 0.18 0.00	35.91 0.15 0.00	39.66 0.27 0.00	36.18 0.18 0.00	41.09 0.21 0.00	45.48 0.18 0.00	37.11 0.22 0.00	35.45 0.17 0.00	38.54 0.26 0.00	32.07 0.23 0.00	40.20 0.20 0.00	41.75 0.13 0.00	45.86 -0.05 0.00	45.94 0.12 0.00	35.92 0.02 0.00	34.64 0.05 0.00	33.16 -0.05 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	52.56 1.64 0.00	34.20 1.00 0.00	33.24 1.00 0.00	33.88 1.05 0.00	34.29 1.10 0.00	40.89 1.42 0.00	43.63 1.63 0.00	80.24 3.12 0.00	37.40 1.64 0.00	41.44 1.81 -0.24	37.87 1.64 -0.24	42.79 1.85 -0.06	47.86 1.97 -0.59	38.37 1.48 0.00	36.64 1.36 0.00	39.77 1.49 0.00	33.03 1.20 0.00	41.49 1.49 0.00	43.19 1.57 0.00	47.68 1.78 0.00	47.74 1.92 0.00	37.33 1.42 0.00	35.97 1.38 0.00	34.46 1.25 0.00
VISCHER___FERRY HYD 24020	52.11 1.18 0.00	33.98 0.78 0.00	32.92 0.68 0.00	33.52 0.69 0.00	33.85 0.65 0.00	40.09 0.63 0.00	42.70 0.69 0.00	78.56 1.44 0.00	36.40 0.64 0.00	40.21 0.82 0.00	36.68 0.68 0.00	41.77 0.89 0.00	46.29 0.99 0.00	37.90 1.01 0.00	36.26 0.98 0.00	39.45 1.18 0.00	32.79 0.95 0.00	41.15 1.15 0.00	42.74 1.12 0.00	46.93 1.02 0.00	47.01 1.19 0.00	36.72 0.82 0.00	35.46 0.86 0.00	33.98 0.77 0.00
V_A_10_SYNC_DSASP 323832	47.39 -3.53 0.00	30.75 -2.45 0.00	29.98 -2.26 0.00	30.61 -2.22 0.00	31.05 -2.14 0.00	37.19 -2.27 0.00	39.53 -2.48 0.00	71.74 -5.38 0.00	33.00 -2.76 0.00	35.00 -3.44 0.95	32.40 -2.93 0.67	33.59 -3.56 3.73	32.97 -3.94 8.39	26.11 -3.44 7.35	29.68 -3.45 2.15	29.23 -3.76 5.28	26.57 -3.29 1.98	35.30 -4.05 0.66	37.61 -4.01 0.00	42.53 -3.38 0.00	42.51 -3.31 0.00	33.21 -2.70 0.00	32.14 -2.45 0.00	30.82 -2.39 0.00
V_CMM_10_SYNC_DSASP 323787	51.37 0.45 0.00	33.49 0.28 0.00	32.54 0.30 0.00	33.10 0.27 0.00	33.48 0.28 0.00	39.93 0.47 0.00	42.53 0.53 0.00	77.99 0.88 0.00	36.07 0.31 0.00	39.65 0.25 0.00	36.14 0.14 0.00	40.97 0.09 0.00	45.63 0.33 0.00	37.15 0.25 0.00	35.54 0.26 0.00	38.49 0.21 0.00	32.10 0.27 0.00	40.49 0.48 0.00	42.24 0.62 0.00	46.70 0.79 0.00	46.31 0.49 0.00	36.39 0.48 0.00	34.91 0.32 0.00	33.49 0.28 0.00
V_CMP_10_SYNC_DSASP 323788	52.76 1.83 0.00	34.38 1.18 0.00	33.31 1.07 0.00	33.90 1.07 0.00	34.34 1.15 0.00	40.95 1.48 0.00	43.67 1.66 0.00	80.16 3.04 0.00	36.87 1.11 0.00	40.27 0.88 0.00	36.72 0.72 0.00	41.85 0.97 0.00	46.47 1.17 0.00	37.80 0.91 0.00	36.19 0.91 0.00	39.20 0.92 0.00	32.66 0.82 0.00	41.08 1.07 0.00	42.85 1.22 0.00	47.41 1.50 0.00	47.20 1.38 0.00	36.93 1.02 0.00	35.39 0.80 0.00	33.96 0.75 0.00
V_D_10_SYNC_DSASP 323841	51.53 0.60 0.00	33.57 0.37 0.00	32.63 0.39 0.00	33.19 0.36 0.00	33.58 0.39 0.00	40.06 0.59 0.00	42.68 0.67 0.00	78.23 1.11 0.00	36.18 0.43 0.00	39.76 0.36 0.00	36.30 0.30 0.00	41.28 0.40 0.00	45.88 0.58 0.00	37.35 0.46 0.00	35.75 0.47 0.00	38.68 0.40 0.00	32.26 0.43 0.00	40.70 0.70 0.00	42.48 0.86 0.00	46.83 0.92 0.00	46.46 0.63 0.00	36.62 0.72 0.00	35.12 0.53 0.00	33.68 0.47 0.00
V_E_10_SYNC_DSASP 323830	54.18 3.25 0.00	35.18 1.97 0.00	34.14 1.90 0.00	34.88 2.04 0.00	35.31 2.11 0.00	42.34 2.87 0.00	45.30 3.30 0.00	83.41 6.29 0.00	39.96 4.20 0.00	45.98 4.58 -2.00	41.89 3.99 -1.90	46.70 4.13 -1.69	56.39 4.16 -6.93	41.69 2.25 -2.55	38.00 0.47 -0.75	42.30 2.20 -1.83	34.74 1.72 -1.18	43.50 2.11 -1.38	43.74 2.11 0.00	48.51 2.60 0.00	48.37 2.55 0.00	37.85 1.95 0.00	36.16 1.57 0.00	34.15 0.94 0.00



V_F_30_NSYNC___DSASP 323816	52.79 1.86 0.00	34.39 1.19 0.00	33.34 1.10 0.00	33.95 1.12 0.00	34.30 1.11 0.00	40.74 1.27 0.00	43.47 1.46 0.00	80.02 2.91 0.00	37.08 1.32 0.00	40.97 1.58 0.00	37.35 1.35 0.00	42.55 1.67 0.00	47.15 1.84 0.00	38.55 1.66 0.00	36.87 1.59 0.00	40.08 1.81 0.00	33.30 1.47 0.00	41.84 1.84 0.00	43.49 1.87 0.00	47.79 1.88 0.00	47.84 2.02 0.00	37.34 1.43 0.00	36.02 1.42 0.00	34.49 1.28 0.00
V_F_30_SYNC_DSASP 323786	51.57 0.64 0.00	33.70 0.50 0.00	32.66 0.42 0.00	33.24 0.41 0.00	33.57 0.37 0.00	39.72 0.26 0.00	42.35 0.34 0.00	77.91 0.79 0.00	36.23 0.47 0.00	39.92 0.53 0.00	36.51 0.51 0.00	41.45 0.57 0.00	45.95 0.65 0.00	37.67 0.78 0.00	36.00 0.72 0.00	39.11 0.83 0.00	32.54 0.70 0.00	40.77 0.77 0.00	42.32 0.70 0.00	46.47 0.56 0.00	46.53 0.71 0.00	36.43 0.52 0.00	35.14 0.55 0.00	33.71 0.50 0.00
V_XM_10_SYNC_DSASP 323789	52.76 1.83 0.00	34.38 1.18 0.00	33.31 1.07 0.00	33.90 1.07 0.00	34.34 1.15 0.00	40.95 1.48 0.00	43.67 1.66 0.00	80.16 3.04 0.00	36.87 1.11 0.00	40.27 0.88 0.00	36.72 0.72 0.00	41.85 0.97 0.00	46.47 1.17 0.00	37.80 0.91 0.00	36.19 0.91 0.00	39.20 0.92 0.00	32.66 0.82 0.00	41.08 1.07 0.00	42.85 1.22 0.00	47.41 1.50 0.00	47.20 1.38 0.00	36.93 1.02 0.00	35.39 0.80 0.00	33.96 0.75 0.00
W.BABYLN_69_KV_BK1 56697	54.36 3.43 0.00	35.16 1.96 0.00	34.02 1.78 0.00	34.54 1.72 0.00	34.93 1.74 0.00	41.63 2.16 0.00	44.72 2.72 0.00	82.19 5.08 0.00	38.40 2.64 0.00	43.89 3.07 -1.43	57.57 2.86 -18.71	55.13 3.31 -10.94	49.52 3.47 -0.75	49.49 3.09 -9.51	46.72 3.01 -8.42	44.81 3.07 -3.46	37.66 2.54 -3.28	43.19 2.95 -0.24	44.30 2.68 0.00	48.65 2.74 0.00	48.73 2.91 0.00	38.16 2.26 0.00	37.05 2.45 0.00	35.68 2.47 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	53.13 2.20 0.00	34.47 1.27 0.00	33.38 1.14 0.00	33.96 1.14 0.00	34.33 1.14 0.00	40.82 1.36 0.00	43.76 1.76 0.00	80.62 3.50 0.00	37.59 1.83 0.00	41.45 2.06 0.00	37.90 1.90 0.00	43.06 2.18 0.00	47.64 2.34 0.00	38.79 1.90 0.00	37.08 1.80 0.00	40.25 1.97 0.00	33.48 1.64 0.00	41.94 1.93 0.00	43.47 1.85 0.00	47.79 1.88 0.00	48.08 2.26 0.00	37.61 1.70 0.00	36.38 1.78 0.00	34.88 1.67 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	53.44 2.51 0.00	34.69 1.48 0.00	33.57 1.33 0.00	34.14 1.31 0.00	34.51 1.32 0.00	41.02 1.55 0.00	44.02 2.01 0.00	81.09 3.98 0.00	37.86 2.10 0.00	41.71 2.32 0.00	38.16 2.17 0.00	43.35 2.47 0.00	47.94 2.64 0.00	39.06 2.16 0.00	37.34 2.06 0.00	40.50 2.23 0.00	33.71 1.87 0.00	42.16 2.15 0.00	43.67 2.05 0.00	47.93 2.02 0.00	48.25 2.42 0.00	37.74 1.84 0.00	36.52 1.92 0.00	35.10 1.89 0.00
W50THST__13_KV_LOAD 356117	53.61 2.69 0.00	34.80 1.60 0.00	33.69 1.45 0.00	34.26 1.43 0.00	34.63 1.44 0.00	41.18 1.71 0.00	44.22 2.21 0.00	81.45 4.34 0.00	38.03 2.27 0.00	41.91 2.52 0.00	38.36 2.36 0.00	43.57 2.68 0.00	48.18 2.88 0.00	39.24 2.35 0.00	37.52 2.24 0.00	40.69 2.42 0.00	33.87 2.03 0.00	42.35 2.35 0.00	43.85 2.23 0.00	48.12 2.20 0.00	48.45 2.63 0.00	37.90 2.00 0.00	36.66 2.07 0.00	35.23 2.03 0.00
WADING RIVER_IC_1 23522	54.67 3.74 0.00	35.33 2.13 0.00	34.16 1.92 0.00	34.71 1.88 0.00	35.10 1.91 0.00	41.83 2.37 0.00	44.97 2.97 0.00	82.51 5.39 0.00	38.48 2.73 0.00	43.24 3.10 -0.75	47.10 2.74 -8.36	45.07 3.25 -0.94	45.05 3.34 3.59	44.40 3.09 -4.41	41.82 3.06 -3.48	41.45 3.03 -0.14	34.79 2.62 -0.34	37.50 3.06 5.56	40.41 2.56 3.77	47.36 2.47 1.02	48.39 2.58 0.00	34.64 2.00 3.27	32.15 2.26 4.71	23.11 2.46 12.55
WADING RIVER_IC_2 23547	54.67 3.74 0.00	35.33 2.13 0.00	34.16 1.92 0.00	34.71 1.88 0.00	35.10 1.91 0.00	41.83 2.37 0.00	44.97 2.97 0.00	82.51 5.39 0.00	38.48 2.73 0.00	43.24 3.10 -0.75	47.10 2.74 -8.36	45.07 3.25 -0.94	45.05 3.34 3.59	44.40 3.09 -4.41	41.82 3.06 -3.48	41.45 3.03 -0.14	34.79 2.62 -0.34	37.50 3.06 5.56	40.41 2.56 3.77	47.36 2.47 1.02	48.39 2.58 0.00	34.64 2.00 3.27	32.15 2.26 4.71	23.11 2.46 12.55
WADING RIVER_IC_3 23601	54.67 3.74 0.00	35.33 2.13 0.00	34.16 1.92 0.00	34.71 1.88 0.00	35.10 1.91 0.00	41.83 2.37 0.00	44.97 2.97 0.00	82.51 5.39 0.00	38.48 2.73 0.00	43.24 3.10 -0.75	47.10 2.74 -8.36	45.07 3.25 -0.94	45.05 3.34 3.59	44.40 3.09 -4.41	41.82 3.06 -3.48	41.45 3.03 -0.14	34.79 2.62 -0.34	37.50 3.06 5.56	40.41 2.56 3.77	47.36 2.47 1.02	48.39 2.58 0.00	34.64 2.00 3.27	32.15 2.26 4.71	23.11 2.46 12.55
WALDENNY_12_KV_BK2 80841	47.91 -3.02 0.00	31.05 -2.15 0.00	30.27 -1.97 0.00	31.01 -1.82 0.00	31.38 -1.81 0.00	37.63 -1.84 0.00	39.98 -2.03 0.00	72.44 -4.68 0.00	33.40 -2.36 0.00	34.78 -3.10 1.51	32.38 -2.67 0.95	30.49 -3.19 7.20	26.30 -3.58 15.42	19.41 -3.28 14.21	27.86 -3.26 4.16	24.53 -3.52 10.23	25.01 -3.13 3.69	35.23 -3.86 0.92	37.86 -3.76 0.00	42.97 -2.93 0.00	42.90 -2.92 0.00	33.49 -2.41 0.00	32.46 -2.13 0.00	31.09 -2.12 0.00
WALDEN___HYDRO 24148	53.03 2.10 0.00	34.44 1.24 0.00	33.36 1.12 0.00	33.94 1.11 0.00	34.32 1.12 0.00	40.80 1.33 0.00	43.70 1.70 0.00	80.53 3.41 0.00	37.53 1.77 0.00	41.37 1.98 0.00	37.83 1.83 0.00	42.98 2.10 0.00	47.55 2.25 0.00	38.73 1.84 0.00	37.02 1.74 0.00	40.19 1.91 0.00	33.43 1.59 0.00	41.88 1.88 0.00	43.45 1.83 0.00	47.79 1.88 0.00	48.03 2.21 0.00	37.55 1.65 0.00	36.31 1.72 0.00	34.82 1.61 0.00
WARRENSBURG____ 23737	52.77 1.84 0.00	34.37 1.17 0.00	33.30 1.06 0.00	33.90 1.07 0.00	34.29 1.09 0.00	40.74 1.28 0.00	43.60 1.60 0.00	80.27 3.15 0.00	37.22 1.46 0.00	41.21 1.82 0.00	37.57 1.57 0.00	42.83 1.95 0.00	47.47 2.17 0.00	38.82 1.92 0.00	37.11 1.83 0.00	40.36 2.08 0.00	33.50 1.67 0.00	42.16 2.16 0.00	43.83 2.20 0.00	48.10 2.19 0.00	48.14 2.32 0.00	37.44 1.53 0.00	36.10 1.51 0.00	34.50 1.29 0.00
WATERSIDE___6 8 9 23538	53.45 2.52 0.00	34.71 1.51 0.00	33.59 1.35 0.00	34.16 1.33 0.00	34.54 1.35 0.00	41.04 1.58 0.00	44.04 2.04 0.00	80.43 3.98 0.67	35.52 2.12 2.35	35.06 2.34 6.67	33.47 2.20 4.72	40.24 2.49 3.14	40.79 2.66 7.17	34.53 2.19 4.56	34.85 2.08 2.51	36.28 2.25 4.25	28.42 1.89 5.32	40.25 2.16 1.92	42.78 2.05 0.89	46.61 1.99 1.28	44.42 2.39 3.80	35.30 1.85 2.46	34.10 1.95 2.44	35.13 1.93 0.00
WATKINRD_115KV_LN8_ILLION 55919	50.86 -0.07 0.00	33.15 -0.05 0.00	32.17 -0.07 0.00	32.75 -0.08 0.00	33.12 -0.08 0.00	39.34 -0.13 0.00	41.95 -0.06 0.00	77.20 0.08 0.00	35.84 0.08 0.00	39.55 0.16 0.00	36.12 0.13 0.00	41.01 0.13 0.00	45.40 0.10 0.00	37.04 0.15 0.00	35.41 0.13 0.00	38.48 0.20 0.00	31.99 0.16 0.00	40.15 0.14 0.00	41.71 0.09 0.00	45.87 -0.04 0.00	45.91 0.09 0.00	35.91 0.01 0.00	34.64 0.05 0.00	33.19 -0.02 0.00

WDELAWARE___HYD 323627	53.80 2.87 0.00	34.96 1.76 0.00	33.91 1.67 0.00	34.54 1.71 0.00	34.92 1.73 0.00	41.56 2.09 0.00	44.52 2.51 0.00	81.98 4.87 0.00	38.18 2.42 0.00	42.11 2.72 0.00	38.50 2.50 0.00	43.75 2.87 0.00	48.40 3.10 0.00	39.23 2.33 0.00	37.36 2.08 0.00	40.52 2.24 0.00	33.70 1.87 0.00	42.28 2.28 0.00	43.92 2.30 0.00	48.39 2.48 0.00	48.59 2.77 0.00	37.97 2.06 0.00	36.67 2.07 0.00	35.13 1.92 0.00
WEST BABYLON___IC 23714	54.36 3.43 0.00	35.16 1.96 0.00	34.02 1.78 0.00	34.54 1.72 0.00	34.93 1.74 0.00	41.63 2.16 0.00	44.72 2.72 0.00	82.19 5.08 0.00	38.40 2.64 0.00	43.89 3.07 -1.43	57.57 2.86 -18.71	55.13 3.31 -10.94	49.52 3.47 -0.75	49.49 3.09 -9.51	46.72 3.01 -8.42	44.81 3.07 -3.46	37.66 2.54 -3.28	43.19 2.95 -0.24	44.30 2.68 0.00	48.65 2.74 0.00	48.73 2.91 0.00	38.16 2.26 0.00	37.05 2.45 0.00	35.68 2.47 0.00
WEST CANADA___HYD 24049	50.85 -0.07 0.00	33.15 -0.04 0.00	32.19 -0.05 0.00	32.79 -0.03 0.00	33.14 -0.06 0.00	39.39 -0.08 0.00	41.92 -0.09 0.00	76.99 -0.13 0.00	35.72 -0.04 0.00	39.37 -0.03 0.00	35.97 -0.03 0.00	40.85 -0.04 0.00	45.26 -0.05 0.00	36.86 -0.04 0.00	35.24 -0.04 0.00	38.25 -0.03 0.00	31.80 -0.03 0.00	39.96 -0.05 0.00	41.55 -0.08 0.00	45.79 -0.12 0.00	45.78 -0.05 0.00	35.84 -0.07 0.00	34.56 -0.03 0.00	33.18 -0.03 0.00
WESTERN_NY_WIND 24143	48.65 -2.27 0.00	31.50 -1.70 0.00	30.69 -1.55 0.00	31.47 -1.36 0.00	31.88 -1.32 0.00	38.27 -1.20 0.00	40.81 -1.19 0.00	74.04 -3.08 0.00	33.90 -1.86 0.00	35.69 -2.69 1.01	33.04 -2.24 0.71	34.21 -2.81 3.86	33.48 -3.08 8.75	26.56 -2.74 7.59	30.23 -2.82 2.23	29.64 -3.17 5.47	26.93 -2.84 2.06	35.78 -3.52 0.70	38.19 -3.44 0.00	43.53 -2.38 0.00	43.70 -2.13 0.00	34.18 -1.72 0.00	33.07 -1.53 0.00	31.64 -1.57 0.00
WESTOVER___LESR 323668	50.64 -0.29 0.00	32.96 -0.24 0.00	32.03 -0.21 0.00	32.69 -0.14 0.00	33.05 -0.14 0.00	39.39 -0.08 0.00	41.89 -0.11 0.00	76.79 -0.33 0.00	35.64 -0.12 0.00	38.55 -0.18 0.66	35.14 -0.19 0.66	40.51 -0.23 0.15	43.55 -0.34 1.42	36.52 -0.37 0.00	34.91 -0.37 0.00	37.85 -0.43 0.00	31.24 -0.45 0.14	38.92 -0.60 0.49	41.08 -0.55 0.00	45.64 -0.27 0.00	45.66 -0.16 0.00	35.70 -0.21 0.00	34.49 -0.10 0.00	32.98 -0.23 0.00
WETHRSFD_WT_PWR 323626	48.26 -2.66 0.00	31.33 -1.87 0.00	30.52 -1.72 0.00	31.12 -1.71 0.00	31.51 -1.69 0.00	37.74 -1.72 0.00	40.02 -1.99 0.00	72.73 -4.39 0.00	33.55 -2.20 0.00	33.24 -2.93 3.23	32.01 -2.66 1.33	13.60 -3.29 23.99	-6.27 -3.76 47.82	-14.44 -3.22 48.11	18.03 -3.16 14.09	0.11 -3.43 34.73	17.01 -3.00 11.82	35.11 -3.62 1.28	38.19 -3.44 0.00	43.17 -2.74 0.00	43.26 -2.56 0.00	33.60 -2.30 0.00	32.48 -2.11 0.00	31.04 -2.16 0.00
WHAVSTOR_138KV_BK127 55557	52.93 2.01 0.00	34.35 1.15 0.00	33.26 1.02 0.00	33.84 1.02 0.00	34.21 1.02 0.00	40.66 1.20 0.00	43.59 1.59 0.00	80.30 3.18 0.00	37.41 1.66 0.00	41.26 1.87 0.00	37.72 1.72 0.00	42.85 1.97 0.00	47.41 2.11 0.00	38.61 1.72 0.00	36.92 1.63 0.00	40.06 1.79 0.00	33.33 1.49 0.00	41.74 1.74 0.00	43.28 1.66 0.00	47.56 1.65 0.00	47.84 2.02 0.00	37.43 1.53 0.00	36.22 1.63 0.00	34.75 1.54 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	52.93 2.01 0.00	34.35 1.15 0.00	33.26 1.02 0.00	33.84 1.02 0.00	34.21 1.02 0.00	40.66 1.20 0.00	43.59 1.59 0.00	80.30 3.18 0.00	37.41 1.66 0.00	41.26 1.87 0.00	37.72 1.72 0.00	42.85 1.97 0.00	47.41 2.11 0.00	38.61 1.72 0.00	36.92 1.63 0.00	40.06 1.79 0.00	33.33 1.49 0.00	41.74 1.74 0.00	43.28 1.66 0.00	47.56 1.65 0.00	47.84 2.02 0.00	37.43 1.53 0.00	36.22 1.63 0.00	34.75 1.54 0.00
WHITEHAL_115KV_TB1 80871	53.50 2.58 0.00	34.88 1.68 0.00	33.67 1.43 0.00	34.26 1.43 0.00	34.69 1.50 0.00	41.20 1.73 0.00	44.38 2.38 0.00	81.51 4.39 0.00	37.67 1.91 0.00	42.14 2.75 0.00	38.31 2.31 0.00	43.89 3.01 0.00	48.70 3.40 0.00	39.81 2.92 0.00	38.15 2.87 0.00	41.47 3.19 0.00	34.25 2.41 0.00	43.37 3.37 0.00	45.09 3.47 0.00	49.22 3.31 0.00	49.18 3.36 0.00	37.86 1.96 0.00	36.60 2.01 0.00	34.79 1.59 0.00
WHITEPLN_13_KV_LOAD 356215	53.63 2.70 0.00	34.78 1.58 0.00	33.67 1.43 0.00	34.25 1.42 0.00	34.62 1.42 0.00	41.17 1.70 0.00	44.17 2.16 0.00	81.41 4.29 0.00	37.99 2.23 0.00	41.90 2.51 0.00	38.32 2.33 0.00	43.54 2.66 0.00	48.17 2.87 0.00	39.24 2.35 0.00	37.53 2.24 0.00	40.71 2.43 0.00	33.86 2.02 0.00	42.38 2.38 0.00	43.91 2.29 0.00	48.23 2.32 0.00	48.48 2.66 0.00	37.89 1.98 0.00	36.63 2.03 0.00	35.16 1.95 0.00
WM_FLOYD_69_KV_BK2 356380	54.52 3.60 0.00	35.25 2.05 0.00	34.09 1.85 0.00	34.61 1.78 0.00	35.01 1.82 0.00	41.74 2.28 0.00	44.87 2.86 0.00	82.35 5.24 0.00	38.44 2.69 0.00	43.23 3.08 -0.76	47.27 2.72 -8.55	45.25 3.25 -1.12	45.11 3.32 3.51	44.49 3.09 -4.51	41.88 3.02 -3.57	41.48 3.01 -0.20	34.78 2.55 -0.39	37.52 2.98 5.46	40.48 2.56 3.70	47.41 2.50 1.00	48.43 2.61 0.00	34.75 2.05 3.21	32.32 2.35 4.61	23.37 2.48 12.31
WOODARD___115KV_TB2 355635	49.92 -1.00 0.00	32.57 -0.63 0.00	31.63 -0.61 0.00	32.24 -0.59 0.00	32.61 -0.58 0.00	38.82 -0.65 0.00	41.28 -0.72 0.00	75.71 -1.41 0.00	35.11 -0.65 0.00	38.63 -0.77 0.00	35.32 -0.68 0.00	40.05 -0.83 0.00	44.34 -0.96 0.00	36.07 -0.82 0.00	34.47 -0.81 0.00	37.40 -0.88 0.00	31.08 -0.76 0.00	39.06 -0.94 0.00	40.66 -0.97 0.00	44.99 -0.91 0.00	44.98 -0.84 0.00	35.17 -0.73 0.00	33.91 -0.69 0.00	32.54 -0.67 0.00
WOODMERE_69_KV_BK1 55827	54.26 3.34 0.00	35.12 1.92 0.00	33.96 1.72 0.00	34.51 1.68 0.00	34.90 1.70 0.00	41.57 2.10 0.00	44.58 2.57 0.00	82.31 5.19 0.00	38.35 2.59 0.00	52.96 2.93 -10.64	196.95 2.69 -158.26	195.99 3.20 -151.90	115.80 3.27 -67.23	116.65 2.70 -77.06	105.92 2.69 -67.95	86.47 2.87 -45.33	74.62 2.42 -40.36	120.93 2.86 -78.06	95.25 2.67 -50.95	62.51 2.81 -13.79	48.88 3.00 -0.06	81.96 2.34 -43.71	98.14 2.48 -61.07	205.01 2.37 -169.44
YORK___WARBASSE 23770	53.59 2.66 0.00	34.85 1.65 0.00	33.74 1.50 0.00	34.35 1.52 0.00	34.73 1.53 0.00	41.29 1.82 0.00	44.29 2.26 -0.01	84.52 4.19 -3.21	49.21 2.15 -11.29	73.82 2.39 -32.04	60.94 2.28 -22.67	58.48 2.53 -15.06	82.41 2.69 -34.41	60.97 2.20 -21.87	49.44 2.11 -12.06	60.93 2.28 -20.38	59.27 1.92 -25.51	51.40 2.19 -9.20	47.96 2.08 -4.26	54.07 2.00 -6.16	66.55 2.49 -18.24	49.72 2.00 -11.81	48.40 2.09 -11.72	35.29 2.07 -0.01