

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

09/09/2026

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	41.59	37.29	29.90	30.04	30.80	38.82	47.91	48.57	49.49	50.09	85.93	57.23	51.85	73.50	56.71	57.63	60.79	53.88	51.56	52.17	54.63	48.84	47.68	47.47
24138	1.69	1.47	1.10	1.07	1.07	1.38	1.84	2.18	2.54	2.81	2.95	3.20	3.54	4.72	3.83	4.11	4.67	4.59	4.65	4.27	3.58	3.15	3.27	3.26
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-39.36	-8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	41.71	37.39	29.98	30.13	30.90	38.93	48.03	48.70	49.60	50.21	85.99	57.27	51.83	73.46	56.71	57.65	60.80	53.89	51.56	52.19	54.73	48.96	47.89	47.70
24260	1.81	1.57	1.18	1.15	1.17	1.50	1.97	2.30	2.65	2.93	3.04	3.26	3.51	4.68	3.83	4.13	4.68	4.60	4.66	4.29	3.68	3.27	3.48	3.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-39.33	-8.01	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	41.71	37.39	29.98	30.13	30.90	38.93	48.03	48.70	49.60	50.21	85.99	57.27	51.83	73.46	56.71	57.65	60.80	53.89	51.56	52.19	54.73	48.96	47.89	47.70
24261	1.81	1.57	1.18	1.15	1.17	1.50	1.97	2.30	2.65	2.93	3.04	3.26	3.51	4.68	3.83	4.13	4.68	4.60	4.66	4.29	3.68	3.27	3.48	3.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-39.33	-8.01	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	41.71	37.52	30.26	30.48	31.33	39.43	48.44	48.67	49.04	48.97	44.73	47.22	49.62	71.68	54.98	56.04	59.03	52.55	50.14	51.06	54.13	48.44	47.01	46.77
24011	1.81	1.70	1.46	1.51	1.61	1.99	2.37	2.27	2.09	1.69	1.11	1.22	1.31	2.91	2.10	2.52	2.91	3.26	3.23	3.17	3.07	2.76	2.59	2.57
	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	41.85	37.66	30.41	30.65	31.53	39.64	48.58	48.82	49.15	48.99	44.78	47.27	49.66	71.88	55.09	56.26	59.39	52.98	50.52	51.43	54.44	48.72	47.26	47.03
23798	1.95	1.85	1.62	1.68	1.80	2.20	2.52	2.42	2.20	1.71	1.16	1.26	1.35	3.10	2.22	2.74	3.28	3.69	3.61	3.52	3.39	3.04	2.85	2.83
	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	41.71	37.52	30.26	30.48	31.33	39.43	48.44	48.67	49.04	48.97	44.73	47.22	49.62	71.68	54.98	56.04	59.03	52.55	50.14	51.06	54.13	48.44	47.01	46.77
24028	1.81	1.70	1.46	1.51	1.61	1.99	2.37	2.27	2.09	1.69	1.11	1.22	1.31	2.91	2.10	2.52	2.91	3.26	3.23	3.17	3.07	2.76	2.59	2.57
	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	41.55	37.42	30.21	30.42	31.23	39.27	48.21	48.52	48.95	48.99	50.54	48.01	48.93	70.40	53.73	54.85	57.05	50.76	48.53	49.39	52.88	47.41	46.04	46.09
23527	1.65	1.61	1.41	1.44	1.51	1.84	2.15	2.12	2.00	1.71	0.91	0.78	0.62	1.62	0.86	1.33	0.94	1.47	1.62	1.49	1.82	1.72	1.63	1.88
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.02	-1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	40.43	36.35	29.28	29.45	30.23	38.04	46.75	47.07	47.60	47.73	43.73	46.09	48.42	69.31	53.16	53.99	56.52	50.06	47.78	48.67	51.70	46.29	45.01	44.96
24190	0.52	0.54	0.49	0.47	0.50	0.60	0.68	0.67	0.65	0.45	0.12	0.09	0.11	0.54	0.29	0.46	0.41	0.77	0.87	0.77	0.65	0.60	0.59	0.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	39.96	35.91	28.88	29.09	29.83	37.62	46.12	46.48	46.99	47.42	43.81	46.13	48.25	68.33	52.63	53.03	55.55	48.35	45.83	46.97	50.73	45.37	44.07	43.92
355683	0.05	0.09	0.09	0.11	0.11	0.18	0.05	0.08	0.04	0.14	0.19	0.13	-0.06	-0.45	-0.25	-0.49	-0.56	-0.93	-1.07	-0.93	-0.33	-0.31	-0.34	-0.29
	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	41.09	36.96	29.76	29.94	30.73	38.70	47.59	47.83	48.18	48.13	1.21	36.31	47.97	68.87	53.12	54.07	56.69	50.21	47.97	48.90	51.91	46.47	45.42	45.77
323833	1.19	1.15	0.96	0.96	1.01	1.26	1.53	1.43	1.23	0.86	0.05	-0.33	-0.34	0.10	0.24	0.55	0.57	0.93	1.06	1.00	0.86	0.78	1.00	1.57
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.46	9.38	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	41.08	36.94	29.75	29.93	30.72	38.70	47.58	47.82	48.17	48.13	1.21	36.30	47.96	68.85	53.11	54.06	56.65	50.20	47.95	48.87	51.89	46.45	45.40	45.76
323834	1.17	1.13	0.95	0.95	1.00	1.26	1.51	1.42	1.22	0.85	0.03	-0.34	-0.35	0.07	0.23	0.53	0.54	0.91	1.04	0.97	0.84	0.77	0.99	1.56
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.44	9.37	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	40.43	36.35	29.28	29.45	30.23	38.04	46.75	47.07	47.60	47.73	43.73	46.09	48.42	69.31	53.16	53.99	56.52	50.06	47.78	48.67	51.70	46.29	45.01	44.96
23571	0.52	0.54	0.49	0.47	0.50	0.60	0.68	0.67	0.65	0.45	0.12	0.09	0.11	0.54	0.29	0.46	0.41	0.77	0.87	0.77	0.65	0.60	0.59	0.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.73 0.12 0.00	46.09 0.09 0.00	48.42 0.11 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.65 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
ALBANY___3 23573	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.73 0.12 0.00	46.09 0.09 0.00	48.42 0.11 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.65 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
ALBANY___4 23574	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.73 0.12 0.00	46.09 0.09 0.00	48.42 0.11 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.65 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
ALBANY___LFGE 323615	40.82 0.92 0.00	36.70 0.89 0.00	29.56 0.76 0.00	29.72 0.75 0.00	30.51 0.78 0.00	38.41 0.97 0.00	47.23 1.17 0.00	47.58 1.18 0.00	48.10 1.15 0.00	48.25 0.98 0.00	44.22 0.60 0.00	46.62 0.61 0.00	49.01 0.69 0.00	70.21 1.43 0.00	53.84 0.96 0.00	54.68 1.16 0.00	57.24 1.13 0.00	50.70 1.41 0.00	48.37 1.47 0.00	49.28 1.38 0.00	52.32 1.27 0.00	46.83 1.15 0.00	45.51 1.10 0.00	45.44 1.24 0.00
ALCOA_PA_115KV_PL-6C 55860	40.17 0.26 0.00	36.06 0.25 0.00	29.05 0.26 0.00	29.25 0.28 0.00	30.00 0.27 0.00	37.84 0.40 0.00	46.45 0.38 0.00	46.78 0.38 0.00	47.27 0.32 0.00	47.70 0.42 0.00	44.07 0.45 0.00	46.41 0.40 0.00	48.58 0.26 0.00	68.73 -0.05 0.00	52.88 0.00 0.00	53.20 -0.32 0.00	55.74 -0.37 0.00	48.45 -0.84 0.00	45.95 -0.96 0.00	47.05 -0.85 0.00	50.86 -0.20 0.00	45.58 -0.11 0.00	44.27 -0.15 0.00	44.13 -0.07 0.00
ALCOA_RYNLDS___DRP 24188	40.16 0.26 0.00	36.06 0.25 0.00	29.05 0.25 0.00	29.26 0.28 0.00	30.00 0.27 0.00	37.84 0.40 0.00	46.44 0.37 0.00	46.78 0.38 0.00	47.27 0.32 0.00	47.70 0.42 0.00	44.07 0.45 0.00	46.41 0.40 0.00	48.57 0.26 0.00	68.73 -0.05 0.00	52.88 0.00 0.00	53.20 -0.32 0.00	55.74 -0.37 0.00	48.45 -0.84 0.00	45.95 -0.95 0.00	47.06 -0.84 0.00	50.86 -0.20 0.00	45.58 -0.11 0.00	44.27 -0.14 0.00	44.13 -0.07 0.00
ALCOA___DSASP 323711	40.16 0.26 0.00	36.06 0.25 0.00	29.05 0.25 0.00	29.26 0.28 0.00	30.00 0.27 0.00	37.84 0.40 0.00	46.44 0.37 0.00	46.78 0.38 0.00	47.27 0.32 0.00	47.70 0.42 0.00	44.07 0.45 0.00	46.41 0.40 0.00	48.57 0.26 0.00	68.73 -0.05 0.00	52.88 0.00 0.00	53.20 -0.32 0.00	55.74 -0.37 0.00	48.45 -0.84 0.00	45.95 -0.95 0.00	47.06 -0.84 0.00	50.86 -0.20 0.00	45.58 -0.11 0.00	44.27 -0.14 0.00	44.13 -0.07 0.00
ALLEGHENY___COGEN 23514	40.06 0.16 0.00	35.83 0.02 0.00	28.71 -0.09 0.00	28.89 -0.09 0.00	29.73 0.00 0.00	37.63 0.19 0.00	46.94 0.88 0.00	47.56 1.16 0.00	48.01 1.06 0.00	48.39 1.12 0.00	44.45 0.83 0.00	46.90 0.89 0.00	48.99 0.67 0.00	68.72 -0.05 0.00	52.51 -0.37 0.00	81.00 -0.04 -27.52	77.20 -0.65 -21.74	99.26 1.43 -48.55	74.10 1.79 -25.41	80.73 1.92 -30.91	105.58 1.24 -53.29	93.39 0.72 -46.98	74.64 0.53 -29.70	44.16 -0.06 -0.01
ALTAMONT_115KV_TB 2 55880	40.59 0.69 0.00	36.47 0.65 0.00	29.35 0.55 0.00	29.52 0.55 0.00	30.29 0.56 0.00	38.14 0.71 0.00	46.93 0.86 0.00	47.27 0.87 0.00	47.78 0.83 0.00	47.98 0.71 0.00	46.50 0.45 -2.43	46.97 0.43 -0.54	48.82 0.50 0.00	69.79 1.01 0.00	53.57 0.69 0.00	54.34 0.82 0.00	56.95 0.83 0.00	50.39 1.11 0.00	48.07 1.17 0.00	48.99 1.08 0.00	51.99 0.94 0.00	46.56 0.88 0.00	45.30 0.88 0.00	45.20 0.99 0.00
ALTONA_WT_PWR 323606	40.06 0.15 0.00	35.93 0.12 0.00	28.93 0.14 0.00	29.14 0.16 0.00	29.86 0.13 0.00	37.68 0.24 0.00	46.21 0.14 0.00	46.50 0.10 0.00	47.01 0.06 0.00	47.45 0.17 0.00	43.72 0.11 0.00	46.08 0.07 0.00	48.26 -0.05 0.00	68.30 -0.48 0.00	52.57 -0.31 0.00	53.20 -0.32 0.00	55.78 -0.33 0.00	48.65 -0.64 0.00	46.06 -0.84 0.00	46.91 -0.99 0.00	50.43 -0.63 0.00	45.15 -0.53 0.00	43.70 -0.71 0.00	43.51 -0.69 0.00
AMERICAN_REF_FUEL 24010	37.10 -2.81 0.00	33.27 -2.54 0.00	26.81 -1.98 0.00	27.05 -1.93 0.00	27.82 -1.91 0.00	35.05 -2.38 0.00	43.52 -2.54 0.00	43.84 -2.55 0.00	44.28 -2.67 0.00	44.83 -2.45 0.00	41.53 -2.09 0.00	43.66 -2.35 0.00	45.45 -2.86 0.00	64.31 -4.46 0.00	49.62 -3.26 0.00	43.04 -3.63 6.86	46.69 -4.01 5.42	33.99 -3.21 12.09	37.46 -3.11 6.33	37.06 -3.14 7.70	33.89 -3.89 13.27	30.50 -3.47 11.70	33.74 -3.28 7.40	40.16 -4.04 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	37.30 -2.60 0.00	33.55 -2.26 0.00	26.77 -2.03 0.00	27.08 -1.90 0.00	27.92 -1.80 0.00	35.30 -2.14 0.00	43.97 -2.10 0.00	44.97 -1.43 0.00	45.23 -1.72 0.00	45.82 -1.46 0.00	42.79 -0.83 0.00	45.23 -0.78 0.00	47.38 -0.94 0.00	67.55 -1.22 0.00	51.71 -1.16 0.00	45.30 -1.93 6.29	49.17 -1.97 4.97	37.44 -0.76 11.09	40.67 -0.42 5.81	39.69 -1.15 7.06	36.80 -2.08 12.18	32.73 -2.21 10.74	35.56 -2.06 6.79	41.49 -2.71 0.00
ARTHUR KILL_GT_1 23520	41.40 1.50 0.00	37.16 1.35 0.00	29.80 1.01 0.00	29.95 0.97 0.00	30.72 0.99 0.00	38.72 1.29 0.00	47.55 1.48 0.00	47.99 1.60 0.00	46.77 1.65 1.83	45.40 1.84 3.72	46.62 2.17 -0.84	56.37 2.35 -8.01	50.98 2.67 0.00	72.02 3.24 0.00	56.00 3.13 0.00	57.00 3.48 0.00	60.26 4.14 0.00	53.46 4.17 0.00	51.31 4.41 0.00	51.71 3.81 0.00	54.28 3.23 0.00	48.74 3.06 0.00	47.60 3.19 0.00	47.35 3.15 0.00
ARTHUR_KILL_2 23512	41.27 1.36 0.00	37.04 1.23 0.00	29.71 0.92 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.60 1.16 0.00	47.39 1.33 0.00	47.82 1.42 0.00	46.61 1.49 1.83	45.26 1.71 3.72	46.49 2.03 -0.84	56.21 2.19 -8.01	50.79 2.48 0.00	71.74 2.97 0.00	55.78 2.90 0.00	56.78 3.26 0.00	59.99 3.88 0.00	53.22 3.93 0.00	51.09 4.19 0.00	51.49 3.59 0.00	54.04 2.99 0.00	48.55 2.86 0.00	47.42 3.01 0.00	47.18 2.98 0.00
ARTHUR_KILL_3 23513	41.21 1.30 0.00	36.94 1.13 0.00	29.61 0.81 0.00	29.75 0.77 0.00	30.51 0.78 0.00	38.44 1.01 0.00	47.40 1.33 0.00	48.01 1.62 0.01	47.05 1.93 1.83	45.74 2.19 3.72	44.16 2.35 1.81	56.53 2.52 -8.01	51.15 2.84 0.00	72.48 3.71 0.00	55.95 3.07 0.00	56.91 3.39 0.00	60.07 3.95 0.00	53.29 4.00 0.00	50.99 4.08 0.00	51.59 3.69 0.00	54.13 3.08 0.00	48.40 2.72 0.00	47.30 2.89 0.00	47.08 2.88 0.00

ARTHUR_KILL_COGEN 323718	41.40 1.50 0.00	37.16 1.35 0.00	29.80 1.01 0.00	29.95 0.97 0.00	30.72 0.99 0.00	38.72 1.29 0.00	47.54 1.48 0.00	47.99 1.59 0.00	46.76 1.64 1.83	45.40 1.84 3.72	46.63 2.17 -0.84	56.37 2.35 -8.01	50.98 2.67 0.00	72.01 3.24 0.00	56.01 3.13 0.00	56.99 3.47 0.00	60.25 4.13 0.00	53.43 4.15 0.00	51.30 4.40 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.74 3.06 0.00	47.60 3.19 0.00	47.35 3.15 0.00
ASHOKAN____ 23654	41.13 1.22 0.00	36.85 1.04 0.00	29.58 0.78 0.00	29.75 0.77 0.00	30.52 0.79 0.00	38.48 1.04 0.00	47.48 1.41 0.00	48.07 1.68 0.00	48.74 1.79 0.00	49.09 1.81 0.00	5.78 1.73 39.56	38.98 1.71 8.74	49.82 1.50 0.00	71.81 3.03 0.00	55.54 2.67 0.00	56.83 3.30 0.00	59.76 3.64 0.00	52.99 3.70 0.00	50.68 3.77 0.00	51.50 3.60 0.00	54.27 3.22 0.00	48.41 2.72 0.00	47.00 2.59 0.00	46.60 2.39 0.00
ASTORIA_EAST_ENERGY_CC1 323581	41.30 1.39 0.00	37.03 1.22 0.00	29.71 0.91 0.00	29.83 0.86 0.00	30.60 0.87 0.00	38.54 1.10 0.00	47.50 1.43 0.00	48.16 1.76 0.00	49.02 2.07 0.00	49.63 2.35 0.00	85.45 2.50 -39.33	56.65 2.63 -8.01	51.19 2.88 0.00	72.47 3.69 0.00	55.99 3.11 0.00	56.91 3.38 0.00	60.00 3.88 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.52 3.62 0.00	54.08 3.03 0.00	48.40 2.72 0.00	47.30 2.88 0.00	47.11 2.91 0.00
ASTORIA_EAST_ENERGY_CC2 323582	41.30 1.39 0.00	37.03 1.22 0.00	29.71 0.91 0.00	29.83 0.86 0.00	30.60 0.87 0.00	38.54 1.10 0.00	47.50 1.43 0.00	48.16 1.76 0.00	49.02 2.07 0.00	49.63 2.35 0.00	85.45 2.50 -39.33	56.65 2.63 -8.01	51.19 2.88 0.00	72.47 3.69 0.00	55.99 3.11 0.00	56.91 3.38 0.00	60.00 3.88 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.52 3.62 0.00	54.08 3.03 0.00	48.40 2.72 0.00	47.30 2.88 0.00	47.11 2.91 0.00
ASTORIA_GT2_1 24094	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT2_2 24095	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT2_3 24096	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT2_4 24097	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT3_1 24098	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT3_2 24099	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT3_3 24100	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT3_4 24101	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT4_1 24102	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT4_2 24103	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT4_3 24104	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00

ASTORIA_GT4_4 24105	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.52 1.45 0.00	48.19 1.79 0.00	49.05 2.10 0.00	49.65 2.37 0.00	85.45 2.51 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.52 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.92 0.00	53.25 3.96 0.00	50.95 4.05 0.00	51.56 3.66 0.00	54.11 3.06 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA_GT_1 23523	41.41 1.51 0.00	37.13 1.32 0.00	29.79 0.99 0.00	29.90 0.92 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.61 1.54 0.00	48.29 1.89 0.00	49.16 2.21 0.00	49.77 2.49 0.00	85.56 2.62 -39.33	56.80 2.79 -8.01	51.36 3.04 0.00	72.71 3.93 0.00	56.18 3.30 0.00	57.09 3.56 0.00	60.19 4.08 0.00	53.39 4.10 0.00	51.09 4.19 0.00	51.70 3.80 0.00	54.26 3.21 0.00	48.55 2.86 0.00	47.43 3.01 0.00	47.23 3.02 0.00
ASTORIA_GT_10 24110	41.31 1.41 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.45 0.00	48.15 1.75 0.00	48.99 2.04 0.00	49.60 2.32 0.00	85.46 2.51 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.89 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.51 3.61 0.00	54.06 3.01 0.00	48.41 2.73 0.00	47.32 2.91 0.00	47.17 2.97 0.00
ASTORIA_GT_11 24225	41.31 1.41 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.45 0.00	48.15 1.75 0.00	48.99 2.04 0.00	49.60 2.32 0.00	85.46 2.51 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.89 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.51 3.61 0.00	54.06 3.01 0.00	48.41 2.73 0.00	47.32 2.91 0.00	47.17 2.97 0.00
ASTORIA_GT_12 24226	41.31 1.41 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.45 0.00	48.15 1.75 0.00	48.99 2.04 0.00	49.60 2.32 0.00	85.46 2.51 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.89 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.51 3.61 0.00	54.06 3.01 0.00	48.41 2.73 0.00	47.32 2.91 0.00	47.17 2.97 0.00
ASTORIA_GT_13 24227	41.31 1.41 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.45 0.00	48.15 1.75 0.00	48.99 2.04 0.00	49.60 2.32 0.00	85.46 2.51 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.89 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.51 3.61 0.00	54.06 3.01 0.00	48.41 2.73 0.00	47.32 2.91 0.00	47.17 2.97 0.00
ASTORIA_GT_5 24106	41.41 1.51 0.00	37.13 1.32 0.00	29.79 0.99 0.00	29.90 0.92 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.61 1.54 0.00	48.29 1.89 0.00	49.16 2.21 0.00	49.77 2.49 0.00	85.56 2.62 -39.33	56.80 2.79 -8.01	51.36 3.04 0.00	72.71 3.93 0.00	56.18 3.30 0.00	57.09 3.56 0.00	60.19 4.08 0.00	53.39 4.10 0.00	51.09 4.19 0.00	51.70 3.80 0.00	54.26 3.21 0.00	48.55 2.86 0.00	47.43 3.01 0.00	47.23 3.02 0.00
ASTORIA_GT_7 24107	41.41 1.51 0.00	37.13 1.32 0.00	29.79 0.99 0.00	29.90 0.92 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.61 1.54 0.00	48.29 1.89 0.00	49.16 2.21 0.00	49.77 2.49 0.00	85.56 2.62 -39.33	56.80 2.79 -8.01	51.36 3.04 0.00	72.71 3.93 0.00	56.18 3.30 0.00	57.09 3.56 0.00	60.19 4.08 0.00	53.39 4.10 0.00	51.09 4.19 0.00	51.70 3.80 0.00	54.26 3.21 0.00	48.55 2.86 0.00	47.43 3.01 0.00	47.23 3.02 0.00
ASTORIA_GT_8 24108	41.41 1.51 0.00	37.13 1.32 0.00	29.79 0.99 0.00	29.90 0.92 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.61 1.54 0.00	48.29 1.89 0.00	49.16 2.21 0.00	49.77 2.49 0.00	85.56 2.62 -39.33	56.80 2.79 -8.01	51.36 3.04 0.00	72.71 3.93 0.00	56.18 3.30 0.00	57.09 3.56 0.00	60.19 4.08 0.00	53.39 4.10 0.00	51.09 4.19 0.00	51.70 3.80 0.00	54.26 3.21 0.00	48.55 2.86 0.00	47.43 3.01 0.00	47.23 3.02 0.00
ASTORIA___2 24149	41.33 1.42 0.00	37.06 1.25 0.00	29.73 0.93 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.56 1.12 0.00	47.51 1.45 0.00	48.18 1.79 0.00	49.05 2.10 0.00	49.66 2.38 0.00	85.47 2.53 -39.33	56.67 2.65 -8.01	51.22 2.90 0.00	72.51 3.74 0.00	56.02 3.14 0.00	56.93 3.41 0.00	60.03 3.91 0.00	53.23 3.95 0.00	50.95 4.05 0.00	51.55 3.65 0.00	54.10 3.05 0.00	48.43 2.74 0.00	47.32 2.91 0.00	47.14 2.93 0.00
ASTORIA___3 23516	41.31 1.40 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.44 0.00	48.15 1.75 0.00	49.00 2.05 0.00	49.60 2.32 0.00	85.48 2.53 -39.33	56.66 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.88 0.00	53.19 3.90 0.00	50.93 4.02 0.00	51.50 3.60 0.00	54.05 3.00 0.00	48.41 2.72 0.00	47.32 2.90 0.00	47.18 2.98 0.00
ASTORIA___4 23517	41.31 1.41 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.45 0.00	48.15 1.75 0.00	48.99 2.04 0.00	49.60 2.32 0.00	85.46 2.51 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.89 0.00	53.20 3.91 0.00	50.93 4.03 0.00	51.51 3.61 0.00	54.06 3.00 0.00	48.41 2.73 0.00	47.32 2.91 0.00	47.17 2.97 0.00
ASTORIA___5 23518	41.31 1.40 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.50 1.44 0.00	48.15 1.75 0.00	49.00 2.05 0.00	49.60 2.32 0.00	85.48 2.53 -39.33	56.66 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.88 0.00	53.19 3.90 0.00	50.93 4.02 0.00	51.50 3.60 0.00	54.05 3.00 0.00	48.41 2.72 0.00	47.32 2.90 0.00	47.18 2.98 0.00
AST_ENERGY_2_CC3 323677	41.37 1.47 0.00	37.08 1.27 0.00	29.74 0.94 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.17 0.00	47.60 1.54 0.00	48.24 1.84 0.00	49.11 2.16 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.73 2.71 -8.01	51.23 2.92 0.00	72.56 3.78 0.00	56.01 3.13 0.00	56.96 3.44 0.00	60.07 3.96 0.00	53.27 3.98 0.00	50.97 4.07 0.01	51.61 3.71 0.00	54.14 3.08 0.00	48.43 2.74 0.00	47.40 2.99 0.00	47.26 3.06 0.00
AST_ENERGY_2_CC4 323678	41.37 1.47 0.00	37.08 1.27 0.00	29.74 0.94 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.17 0.00	47.60 1.54 0.00	48.24 1.84 0.00	49.11 2.16 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.73 2.71 -8.01	51.23 2.92 0.00	72.56 3.78 0.00	56.01 3.13 0.00	56.96 3.44 0.00	60.07 3.96 0.00	53.27 3.98 0.00	50.97 4.07 0.01	51.61 3.71 0.00	54.14 3.08 0.00	48.43 2.74 0.00	47.40 2.99 0.00	47.26 3.06 0.00

BARRETT_IC_6 23709	41.35 1.45 0.00	37.14 1.33 0.00	29.85 1.05 0.00	30.05 1.08 0.00	30.83 1.10 0.00	38.66 1.23 0.00	47.42 1.35 0.00	48.01 1.61 0.00	48.93 1.98 0.00	49.39 2.11 0.00	84.86 2.26 -38.99	56.55 2.61 -7.94	51.40 3.08 0.00	72.28 3.50 0.00	55.90 3.02 0.00	56.86 3.33 0.00	59.85 3.74 0.00	53.02 3.73 0.00	50.62 3.71 0.00	51.49 3.59 0.00	53.99 2.94 0.00	48.44 2.75 0.00	47.36 2.95 0.00	47.17 2.97 0.00
BARRETT_IC_7 23710	41.36 1.45 0.00	37.14 1.33 0.00	29.85 1.05 0.00	30.05 1.08 0.00	30.83 1.10 0.00	38.66 1.23 0.00	47.42 1.36 0.00	48.01 1.62 0.00	48.93 1.98 0.00	49.39 2.11 0.00	84.86 2.25 -38.99	56.56 2.62 -7.94	51.40 3.09 0.00	72.29 3.51 0.00	55.90 3.02 0.00	56.86 3.34 0.00	59.85 3.74 0.00	53.02 3.73 0.00	50.62 3.71 0.00	51.49 3.59 0.00	54.00 2.95 0.00	48.44 2.75 0.00	47.36 2.95 0.00	47.17 2.97 0.00
BARRETT_IC_8 23711	41.35 1.45 0.00	37.14 1.33 0.00	29.85 1.05 0.00	30.05 1.08 0.00	30.83 1.10 0.00	38.66 1.23 0.00	47.42 1.35 0.00	48.01 1.61 0.00	48.93 1.98 0.00	49.39 2.11 0.00	84.86 2.26 -38.99	56.55 2.61 -7.94	51.40 3.08 0.00	72.28 3.50 0.00	55.90 3.02 0.00	56.86 3.33 0.00	59.85 3.74 0.00	53.02 3.73 0.00	50.62 3.71 0.00	51.49 3.59 0.00	53.99 2.94 0.00	48.44 2.75 0.00	47.36 2.95 0.00	47.17 2.97 0.00
BARRETT_IC_9 23700	41.35 1.45 0.00	37.14 1.33 0.00	29.85 1.05 0.00	30.05 1.08 0.00	30.83 1.10 0.00	38.66 1.23 0.00	47.42 1.35 0.00	48.01 1.61 0.00	48.93 1.98 0.00	49.39 2.11 0.00	84.86 2.26 -38.99	56.55 2.61 -7.94	51.40 3.08 0.00	72.28 3.50 0.00	55.90 3.02 0.00	56.86 3.33 0.00	59.85 3.74 0.00	53.02 3.73 0.00	50.62 3.71 0.00	51.49 3.59 0.00	53.99 2.94 0.00	48.44 2.75 0.00	47.36 2.95 0.00	47.17 2.97 0.00
BARRETT___1 23545	41.35 1.45 0.00	37.14 1.33 0.00	29.85 1.05 0.00	30.05 1.08 0.00	30.83 1.10 0.00	38.66 1.23 0.00	47.42 1.35 0.00	48.01 1.61 0.00	48.93 1.98 0.00	49.39 2.11 0.00	84.86 2.26 -38.99	56.55 2.61 -7.94	51.40 3.08 0.00	72.28 3.50 0.00	55.90 3.02 0.00	56.86 3.33 0.00	59.85 3.74 0.00	53.02 3.73 0.00	50.62 3.71 0.00	51.49 3.59 0.00	53.99 2.94 0.00	48.44 2.75 0.00	47.36 2.95 0.00	47.17 2.97 0.00
BARRETT___2 23546	41.35 1.45 0.00	37.14 1.33 0.00	29.85 1.05 0.00	30.05 1.08 0.00	30.83 1.10 0.00	38.66 1.23 0.00	47.42 1.35 0.00	48.01 1.61 0.00	48.93 1.98 0.00	49.39 2.11 0.00	84.86 2.26 -38.99	56.55 2.61 -7.94	51.40 3.08 0.00	72.28 3.50 0.00	55.90 3.02 0.00	56.86 3.33 0.00	59.85 3.74 0.00	53.02 3.73 0.00	50.62 3.71 0.00	51.49 3.59 0.00	53.99 2.94 0.00	48.44 2.75 0.00	47.36 2.95 0.00	47.17 2.97 0.00
BATAVIA__115KV_TB1 55881	39.10 -0.81 0.00	35.02 -0.80 0.00	28.16 -0.63 0.00	28.40 -0.58 0.00	29.22 -0.51 0.00	36.89 -0.55 0.00	45.90 -0.17 0.00	46.43 0.03 0.00	47.00 0.05 0.00	47.56 0.28 0.00	44.16 0.54 0.00	46.34 0.33 0.00	48.30 -0.01 0.00	68.36 -0.41 0.00	52.44 -0.43 0.00	48.25 -0.88 4.39	51.79 -0.86 3.47	41.29 -0.27 7.73	42.72 -0.13 4.05	42.84 -0.14 4.92	41.74 -0.82 8.49	37.30 -0.89 7.49	38.89 -0.79 4.73	42.77 -1.43 0.00
BAYONEEC___CTG1 323682	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG10 323750	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG2 323683	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG3 323684	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG4 323685	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG5 323686	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG6 323687	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG7 323688	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00

BAYONEEC___CTG8 323689	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYONEEC___CTG9 323749	41.39 1.49 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.56 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.56 -39.33	56.74 2.72 -8.01	51.31 3.00 0.00	72.70 3.92 0.00	56.13 3.25 0.00	57.08 3.55 0.00	60.21 4.10 0.00	53.40 4.11 0.00	51.11 4.20 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.54 2.85 0.00	47.47 3.06 0.00	47.29 3.09 0.00
BAYPORT_69_KV_BK 2 356364	41.95 2.05 0.00	37.75 1.94 0.00	30.43 1.63 0.00	30.74 1.76 0.00	31.56 1.84 0.00	39.47 2.03 0.00	48.18 2.11 0.00	48.74 2.34 0.00	49.76 2.81 0.00	49.99 2.71 0.00	85.79 3.18 -38.99	57.48 3.53 -7.94	52.39 4.08 0.00	73.48 4.70 0.00	56.75 3.87 0.00	57.55 4.03 0.00	60.51 4.39 0.00	53.82 4.53 0.00	51.29 4.38 0.00	52.04 4.14 0.00	54.41 3.36 0.00	48.93 3.25 0.00	47.92 3.50 0.00	47.65 3.44 0.00
BEACON___LESR 323632	40.92 1.02 0.00	36.72 0.91 0.00	29.57 0.77 0.00	29.74 0.76 0.00	30.52 0.80 0.00	38.53 1.10 0.00	47.44 1.37 0.00	47.76 1.36 0.00	48.20 1.25 0.00	48.29 1.01 0.00	44.22 0.60 0.00	46.57 0.56 0.00	48.83 0.51 0.00	70.08 1.31 0.00	53.70 0.82 0.00	54.69 1.17 0.00	57.27 1.16 0.00	50.77 1.48 0.00	48.53 1.62 0.00	49.42 1.52 0.00	52.32 1.27 0.00	46.88 1.20 0.00	45.56 1.14 0.00	45.51 1.31 0.00
BEAVER RIVER___HYD 24048	41.27 1.37 0.00	36.93 1.12 0.00	29.53 0.74 0.00	29.35 0.37 0.00	29.90 0.17 0.00	37.96 0.52 0.00	46.94 0.88 0.00	47.41 1.02 0.00	47.93 0.98 0.00	48.25 0.97 0.00	44.95 1.33 0.00	47.26 1.25 0.00	49.96 1.65 0.00	71.02 2.24 0.00	53.66 0.78 0.00	53.20 -0.32 0.00	56.30 0.19 0.00	48.97 -0.32 0.00	46.31 -0.60 0.00	47.08 -0.82 0.00	50.86 -0.20 0.00	45.39 -0.29 0.00	44.08 -0.33 0.00	43.78 -0.42 0.00
BEEBEE_GT_13 23619	39.09 -0.82 0.00	35.01 -0.80 0.00	28.16 -0.64 0.00	28.36 -0.61 0.00	29.14 -0.58 0.00	36.78 -0.66 0.00	45.62 -0.45 0.00	46.03 -0.37 0.00	46.62 -0.33 0.00	47.12 -0.16 0.00	43.65 0.03 0.00	45.95 -0.05 0.00	48.07 -0.25 0.00	68.23 -0.54 0.00	52.50 -0.38 0.00	52.84 -0.69 0.00	55.46 -0.65 0.00	48.81 -0.48 0.00	46.64 -0.27 0.00	47.60 -0.30 0.00	50.12 -0.94 0.00	44.72 -0.96 0.00	43.44 -0.98 0.00	42.89 -1.31 0.00
BENSHRST_27_KV_BENSHRST_1 355998	41.53 1.63 0.00	37.24 1.43 0.00	29.86 1.07 0.00	30.00 1.02 0.00	30.76 1.03 0.00	38.77 1.33 0.00	47.76 1.69 0.00	48.37 1.97 0.00	49.21 2.25 0.00	49.83 2.56 0.00	85.69 2.74 -39.33	56.93 2.91 -8.01	51.54 3.23 0.00	72.92 4.14 0.00	56.45 3.57 0.00	57.39 3.87 0.00	60.57 4.46 0.00	53.73 4.44 0.00	51.49 4.59 0.00	52.03 4.13 0.00	54.59 3.54 0.00	48.91 3.23 0.00	47.76 3.34 0.00	47.52 3.32 0.00
BETHLEHEM___GRP 23843	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.73 0.12 0.00	46.09 0.09 0.00	48.42 0.11 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.65 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
BETHLEHEM___GS1 323560	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.74 0.12 0.00	46.09 0.09 0.00	48.42 0.10 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.64 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
BETHLEHEM___GS2 323561	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.74 0.12 0.00	46.09 0.09 0.00	48.42 0.10 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.64 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
BETHLEHEM___GS3 323562	40.43 0.52 0.00	36.35 0.54 0.00	29.28 0.49 0.00	29.45 0.47 0.00	30.23 0.50 0.00	38.04 0.60 0.00	46.75 0.68 0.00	47.07 0.67 0.00	47.60 0.65 0.00	47.73 0.45 0.00	43.74 0.12 0.00	46.09 0.09 0.00	48.42 0.10 0.00	69.31 0.54 0.00	53.16 0.29 0.00	53.99 0.46 0.00	56.52 0.41 0.00	50.06 0.77 0.00	47.78 0.87 0.00	48.67 0.77 0.00	51.70 0.64 0.00	46.29 0.60 0.00	45.01 0.59 0.00	44.96 0.76 0.00
BETHLEHEM___STEEL 23779	38.04 -1.87 0.00	34.09 -1.73 0.00	27.39 -1.40 0.00	27.63 -1.35 0.00	28.42 -1.30 0.00	35.88 -1.56 0.00	44.58 -1.49 0.00	45.06 -1.34 0.00	45.65 -1.30 0.00	46.17 -1.11 0.00	42.86 -0.76 0.00	45.09 -0.92 0.00	47.04 -1.28 0.00	66.73 -2.05 0.00	51.37 -1.51 0.00	42.63 -2.05 8.84	46.95 -2.19 6.99	31.93 -1.77 15.58	37.20 -1.54 8.16	36.33 -1.65 9.93	31.46 -2.48 17.11	28.29 -2.30 15.09	32.69 -2.18 9.54	41.45 -2.75 0.00
BETHLHEM_115KV_TB1 79974	40.46 0.55 0.00	36.38 0.56 0.00	29.30 0.50 0.00	29.47 0.49 0.00	30.24 0.51 0.00	38.06 0.62 0.00	46.78 0.72 0.00	47.11 0.71 0.00	47.63 0.68 0.00	47.79 0.51 0.00	43.80 0.18 0.00	46.17 0.16 0.00	48.51 0.19 0.00	69.40 0.62 0.00	53.24 0.37 0.00	54.04 0.52 0.00	56.60 0.48 0.00	50.12 0.83 0.00	47.83 0.92 0.00	48.72 0.82 0.00	51.74 0.69 0.00	46.33 0.65 0.00	45.06 0.65 0.00	45.01 0.80 0.00
BETHPAGE_CC_5 323564	41.39 1.48 0.00	37.21 1.40 0.00	29.93 1.13 0.00	30.16 1.18 0.00	30.94 1.21 0.00	38.77 1.33 0.00	47.55 1.48 0.00	48.15 1.75 0.00	49.09 2.14 0.00	49.50 2.22 0.00	85.14 2.54 -38.99	56.69 2.74 -7.94	51.49 3.18 0.00	72.52 3.74 0.00	56.00 3.12 0.00	56.94 3.41 0.00	59.99 3.87 0.00	53.26 3.97 0.00	50.81 3.90 0.00	51.60 3.70 0.00	54.00 2.94 0.00	48.42 2.73 0.00	47.29 2.87 0.00	47.17 2.97 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	38.13 -1.78 0.00	34.16 -1.65 0.00	27.46 -1.34 0.00	27.69 -1.28 0.00	28.48 -1.24 0.00	35.97 -1.47 0.00	44.70 -1.36 0.00	45.21 -1.19 0.00	45.80 -1.16 0.00	46.34 -0.93 0.00	43.03 -0.59 0.00	45.27 -0.74 0.00	47.22 -1.09 0.00	66.98 -1.80 0.00	51.55 -1.33 8.45	43.23 -1.85 6.67	47.46 -1.99 14.88	32.83 -1.57 7.80	37.75 -1.35 9.48	36.96 -1.46 16.35	32.43 -2.27 14.42	29.15 -2.12 9.11	33.28 -2.02 9.11	41.57 -2.63 0.00

BINGHAMTON___COGEN 23790	39.61 -0.29 0.00	35.63 -0.19 0.00	28.56 -0.24 0.00	28.75 -0.22 0.00	29.55 -0.17 0.00	37.26 -0.18 0.00	45.94 -0.13 0.00	46.27 -0.13 0.00	46.81 -0.15 0.00	47.15 -0.13 0.00	43.67 0.05 0.00	46.07 0.06 0.00	48.49 0.18 0.00	69.19 0.41 0.00	53.24 0.36 0.00	54.86 0.26 -1.07	57.25 0.28 -0.85	51.82 0.64 -1.89	48.69 0.79 -0.99	49.86 0.75 -1.21	53.40 0.27 -2.08	47.55 0.03 -1.83	45.61 0.04 -1.16	44.12 -0.08 0.00
BIXINCNT_115KV_LOAD 355685	38.35 -1.56 0.00	34.47 -1.34 0.00	27.63 -1.17 0.00	27.89 -1.08 0.00	28.70 -1.02 0.00	36.22 -1.22 0.00	44.99 -1.08 0.00	45.73 -0.67 0.00	46.32 -0.63 0.00	47.10 -0.17 0.00	43.57 -0.05 0.00	45.74 -0.26 0.00	47.78 -0.53 0.00	67.91 -0.87 0.00	52.22 -0.66 0.00	47.12 -1.47 4.94	50.69 -1.53 3.90	39.78 -0.82 8.69	42.05 -0.30 4.56	41.72 -0.64 5.54	39.98 -1.52 9.55	35.65 -1.61 8.42	37.59 -1.50 5.32	42.10 -2.10 0.00
BLACK RIVER___HYD 24047	41.59 1.68 0.00	37.23 1.42 0.00	29.72 0.92 0.00	29.47 0.50 0.00	29.99 0.26 0.00	38.13 0.69 0.00	47.21 1.15 0.00	47.82 1.42 0.00	48.27 1.32 0.00	48.66 1.38 0.00	45.45 1.83 0.00	47.73 1.72 0.00	50.59 2.28 0.00	72.03 3.25 0.00	54.24 1.36 0.00	53.79 0.27 0.00	57.00 0.89 0.00	49.67 0.38 0.00	47.00 0.09 0.00	47.74 -0.17 0.00	51.52 0.47 0.00	45.88 0.19 0.00	44.47 0.06 0.00	44.04 -0.16 0.00
BLACKRVR_115KV_TB2 79977	41.59 1.68 0.00	37.23 1.42 0.00	29.72 0.92 0.00	29.48 0.50 0.00	29.99 0.26 0.00	38.13 0.69 0.00	47.21 1.15 0.00	47.82 1.42 0.00	48.27 1.32 0.00	48.66 1.38 0.00	45.45 1.83 0.00	47.73 1.72 0.00	50.59 2.28 0.00	72.03 3.25 0.00	54.24 1.36 0.00	53.79 0.27 0.00	57.01 0.89 0.00	49.66 0.38 0.00	47.00 0.09 0.00	47.73 -0.17 0.00	51.51 0.46 0.00	45.88 0.19 0.00	44.47 0.06 0.00	44.04 -0.16 0.00
BLISS_WT_PWR 323608	38.30 -1.60 0.00	34.41 -1.41 0.00	27.58 -1.21 0.00	27.84 -1.13 0.00	28.67 -1.06 0.00	36.16 -1.28 0.00	44.91 -1.16 0.00	45.69 -0.71 0.00	46.26 -0.69 0.00	47.05 -0.22 0.00	43.51 -0.11 0.00	45.72 -0.29 0.00	47.75 -0.56 0.00	67.85 -0.93 0.00	52.18 -0.70 0.00	47.06 -1.53 4.94	50.62 -1.60 3.90	39.72 -0.87 8.69	42.02 -0.33 4.56	41.67 -0.69 5.54	39.94 -1.56 9.55	35.62 -1.64 8.42	37.56 -1.53 5.32	42.02 -2.18 0.00
BLUESTONE___WT_PWR 323821	40.69 0.78 0.00	36.47 0.66 0.00	29.11 0.31 0.00	29.25 0.27 0.00	29.73 0.00 0.00	37.72 0.29 0.00	46.63 0.57 0.00	46.92 0.53 0.00	47.49 0.54 0.00	47.94 0.67 0.00	37.83 1.00 6.79	45.66 1.03 1.38	49.49 1.18 0.00	70.17 1.39 0.00	53.49 0.62 0.00	55.81 1.12 -1.17	58.72 1.68 -0.92	53.16 1.81 -2.06	49.48 1.50 -1.08	50.02 0.80 -1.31	53.51 0.19 -2.26	47.01 -0.67 -1.99	45.19 -0.48 -1.26	44.53 0.32 0.00
BLUE_CIRC_CHEM_DRP 24182	40.80 0.89 0.00	36.68 0.87 0.00	29.54 0.74 0.00	29.72 0.75 0.00	30.50 0.77 0.00	38.41 0.97 0.00	47.21 1.15 0.00	47.46 1.06 0.00	47.87 0.92 0.00	47.88 0.61 0.00	1.46 -0.25 41.90	36.19 -0.56 9.25	47.73 -0.58 0.00	68.37 -0.41 0.00	52.60 -0.28 0.00	53.52 0.00 0.00	56.08 -0.03 0.00	49.65 0.37 0.00	47.39 0.48 0.00	48.30 0.39 0.00	51.31 0.25 0.00	45.94 0.26 0.00	44.96 0.55 0.00	45.42 1.22 0.00
BOC_GAS_DRP 24189	40.47 0.57 0.00	36.36 0.54 0.00	29.26 0.46 0.00	29.43 0.45 0.00	30.20 0.47 0.00	38.02 0.58 0.00	46.75 0.68 0.00	47.10 0.70 0.00	47.62 0.67 0.00	47.84 0.56 0.00	46.59 0.32 -2.65	46.90 0.30 -0.59	48.66 0.35 0.00	69.50 0.72 0.00	53.34 0.46 0.00	54.10 0.57 0.00	56.67 0.55 0.00	50.16 0.87 0.00	47.85 0.94 0.00	48.75 0.85 0.00	51.73 0.68 0.00	46.34 0.66 0.00	45.11 0.69 0.00	45.03 0.82 0.00
BOONVILLE_115KV_TB1 79983	41.02 1.12 0.00	36.73 0.92 0.00	29.45 0.65 0.00	29.46 0.48 0.00	30.11 0.38 0.00	38.09 0.65 0.00	47.06 0.99 0.00	47.43 1.04 0.00	48.02 1.07 0.00	48.23 0.95 0.00	44.72 1.10 0.00	47.21 1.21 0.00	49.81 1.50 0.00	71.00 2.22 0.00	54.25 1.37 0.00	54.52 0.99 0.00	57.39 1.27 0.00	50.31 1.03 0.00	47.73 0.83 0.00	48.67 0.77 0.00	51.86 0.81 0.00	46.29 0.60 0.00	44.93 0.52 0.00	44.59 0.38 0.00
BORALEX_4TH_BRANCH 23824	41.55 1.65 0.00	37.42 1.61 0.00	30.21 1.41 0.00	30.42 1.44 0.00	31.23 1.51 0.00	39.27 1.84 0.00	48.21 2.15 0.00	48.52 2.12 0.00	48.95 2.00 0.00	48.99 1.71 0.00	50.54 0.90 -6.02	48.01 0.78 -1.23	48.93 0.62 0.00	70.40 1.62 0.00	53.73 0.85 0.00	54.85 1.33 0.00	57.07 0.95 0.00	50.76 1.47 0.00	48.53 1.62 0.00	49.39 1.49 0.00	52.88 1.83 0.00	47.41 1.72 0.00	46.05 1.63 0.00	46.09 1.88 0.00
BOWLINE___1 23526	40.96 1.05 0.00	36.74 0.92 0.00	29.46 0.66 0.00	29.61 0.64 0.00	30.38 0.66 0.00	38.26 0.82 0.00	47.17 1.10 0.00	47.75 1.35 0.00	48.53 1.58 0.00	49.06 1.78 0.00	102.87 1.89 -57.36	59.75 2.06 -11.68	50.70 2.38 0.00	72.08 3.30 0.00	55.61 2.73 0.00	56.55 3.03 0.00	59.66 3.55 0.00	52.91 3.62 0.00	50.60 3.69 0.00	51.27 3.37 0.00	53.83 2.78 0.00	48.05 2.36 0.00	46.87 2.45 0.00	46.63 2.43 0.00
BOWLINE___2 23595	40.96 1.05 0.00	36.74 0.92 0.00	29.46 0.66 0.00	29.61 0.64 0.00	30.38 0.66 0.00	38.26 0.82 0.00	47.17 1.10 0.00	47.75 1.35 0.00	48.53 1.58 0.00	49.06 1.78 0.00	102.97 1.89 -57.46	59.77 2.06 -11.71	50.70 2.38 0.00	72.08 3.30 0.00	55.61 2.73 0.00	56.55 3.03 0.00	59.66 3.55 0.00	52.91 3.62 0.00	50.59 3.69 0.00	51.27 3.37 0.00	53.83 2.78 0.00	48.05 2.36 0.00	46.87 2.45 0.00	46.63 2.43 0.00
BRADY___115KV_TB2 356060	40.63 0.73 0.00	36.47 0.66 0.00	29.38 0.58 0.00	29.63 0.66 0.00	30.40 0.67 0.00	38.39 0.95 0.00	47.18 1.11 0.00	47.53 1.13 0.00	47.87 0.92 0.00	48.23 0.95 0.00	44.66 1.05 0.00	47.01 1.00 0.00	49.25 0.94 0.00	69.48 0.70 0.00	53.36 0.48 0.00	53.66 0.13 0.00	56.24 0.13 0.00	48.86 -0.43 0.00	46.30 -0.60 0.00	47.47 -0.43 0.00	51.36 0.31 0.00	46.04 0.36 0.00	44.77 0.35 0.00	44.66 0.46 0.00
BRANSCOMB___SOLAR 323811	41.48 1.58 0.00	37.28 1.46 0.00	30.04 1.24 0.00	30.24 1.26 0.00	31.06 1.33 0.00	39.10 1.66 0.00	48.11 2.04 0.00	48.40 2.00 0.00	48.78 1.83 0.00	48.83 1.55 0.00	44.61 0.99 0.00	47.08 1.07 0.00	49.45 1.14 0.00	71.23 2.45 0.00	54.67 1.79 0.00	55.64 2.11 0.00	58.43 2.31 0.00	51.91 2.62 0.00	49.53 2.62 0.00	50.46 2.56 0.00	53.57 2.52 0.00	47.95 2.26 0.00	46.55 2.14 0.00	46.37 2.16 0.00
BRDGHMPT_69_KV_BK1 55812	42.38 2.47 0.00	38.26 2.44 0.00	30.96 2.16 0.00	31.40 2.42 0.00	32.23 2.51 0.00	40.22 2.79 0.00	48.81 2.75 0.00	49.46 3.06 0.00	50.49 3.54 0.00	50.78 3.50 0.00	86.42 3.82 -38.99	58.02 4.07 -7.94	52.62 4.31 0.00	73.52 4.75 0.00	56.66 3.78 0.00	57.41 3.88 0.00	60.55 4.44 0.00	53.65 4.36 0.00	50.80 3.89 0.00	51.46 3.55 0.00	53.67 2.62 0.00	48.17 2.48 0.00	47.17 2.76 0.00	46.79 2.58 0.00

BRENTWOD_69_KV_W. BRTWOOD 56703	41.81 1.91 0.00	37.59 1.78 0.00	30.27 1.47 0.00	30.53 1.55 0.00	31.35 1.62 0.00	39.24 1.80 0.00	48.04 1.97 0.00	48.62 2.22 0.00	49.63 2.67 0.00	49.90 2.62 0.00	85.64 3.03 -38.99	57.26 3.31 -7.94	52.15 3.84 0.00	73.17 4.39 0.00	56.43 3.56 0.00	57.12 3.60 0.00	60.15 4.04 0.00	53.47 4.18 0.00	51.01 4.10 0.00	51.77 3.86 0.00	54.26 3.20 0.00	48.77 3.08 0.00	47.69 3.28 0.00	47.49 3.28 0.00
BRISTLHL_115KV_TB1 79998	38.99 -0.92 0.00	34.98 -0.84 0.00	28.11 -0.68 0.00	28.29 -0.69 0.00	29.01 -0.72 0.00	36.56 -0.88 0.00	45.01 -1.05 0.00	45.27 -1.13 0.00	45.79 -1.16 0.00	46.12 -1.16 0.00	42.64 -0.98 0.00	44.96 -1.05 0.00	47.25 -1.06 0.00	67.22 -1.56 0.00	51.63 -1.25 0.00	52.22 -1.30 0.00	54.78 -1.33 0.00	48.25 -1.04 0.00	46.02 -0.89 0.00	46.94 -0.96 0.00	49.77 -1.28 0.00	44.54 -1.14 0.00	43.29 -1.12 0.00	42.97 -1.23 0.00
BROOKHAVEN___DRP 24191	41.45 1.55 0.00	37.35 1.53 0.00	30.19 1.39 0.00	30.58 1.60 0.00	31.38 1.66 0.00	39.14 1.71 0.00	47.57 1.51 0.00	48.11 1.71 0.00	49.06 2.11 0.00	49.29 2.01 0.00	85.04 2.43 -38.99	56.61 2.66 -7.94	51.45 3.13 0.00	72.07 3.29 0.00	55.60 2.73 0.00	56.39 2.87 0.00	59.40 3.28 0.00	52.84 3.55 0.00	50.33 3.43 0.00	51.08 3.18 0.00	53.38 2.33 0.00	48.03 2.35 0.00	47.09 2.67 0.00	46.81 2.61 0.00
BROOKLYN_NAVY_YARD 23515	41.37 1.47 0.00	37.06 1.25 0.00	29.72 0.92 0.00	29.86 0.89 0.00	30.63 0.90 0.00	38.59 1.16 0.00	47.58 1.52 0.00	48.22 1.82 0.00	49.12 2.17 0.00	49.69 2.42 0.00	85.50 2.54 -39.33	56.75 2.73 -8.01	51.30 2.99 0.00	72.71 3.94 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.24 4.12 0.00	53.42 4.13 0.00	51.13 4.22 0.00	51.75 3.85 0.00	54.29 3.23 0.00	48.55 2.87 0.00	47.49 3.08 0.00	47.29 3.09 0.00
BROOKLYN___ARMY_DRP 323595	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
BROOME_2_LFGE 323671	39.61 -0.29 0.00	35.63 -0.19 0.00	28.56 -0.24 0.00	28.75 -0.22 0.00	29.55 -0.17 0.00	37.26 -0.18 0.00	45.94 -0.13 0.00	46.27 -0.13 0.00	46.81 -0.15 0.00	47.15 -0.13 0.00	43.65 0.04 0.00	46.07 0.06 0.00	48.49 0.18 0.00	69.19 0.41 0.00	53.24 0.36 0.00	54.85 0.26 -1.07	57.25 0.28 -0.85	51.82 0.63 -1.89	48.69 0.79 -0.99	49.86 0.75 -1.21	53.40 0.27 -2.08	47.55 0.03 -1.83	45.61 0.03 -1.16	44.12 -0.08 0.00
BROOME___LFGE 323600	39.61 -0.29 0.00	35.63 -0.19 0.00	28.56 -0.24 0.00	28.75 -0.22 0.00	29.55 -0.17 0.00	37.26 -0.18 0.00	45.94 -0.13 0.00	46.27 -0.13 0.00	46.81 -0.15 0.00	47.15 -0.13 0.00	43.65 0.04 0.00	46.07 0.06 0.00	48.49 0.18 0.00	69.19 0.41 0.00	53.24 0.36 0.00	54.85 0.26 -1.07	57.25 0.28 -0.85	51.82 0.63 -1.89	48.69 0.79 -0.99	49.86 0.75 -1.21	53.40 0.27 -2.08	47.55 0.03 -1.83	45.61 0.03 -1.16	44.12 -0.08 0.00
BROWNFLS_115KV_TB 3_5 80003	40.84 0.93 0.00	36.59 0.77 0.00	29.34 0.54 0.00	29.32 0.34 0.00	29.94 0.22 0.00	37.93 0.49 0.00	46.78 0.72 0.00	47.21 0.81 0.00	47.68 0.73 0.00	48.04 0.76 0.00	44.61 1.00 0.00	46.92 0.92 0.00	49.42 1.10 0.00	69.99 1.21 0.00	53.19 0.31 0.00	52.82 -0.70 0.00	55.60 -0.52 0.00	48.26 -1.03 0.00	45.66 -1.24 0.00	46.56 -1.34 0.00	50.44 -0.61 0.00	45.18 -0.51 0.00	43.99 -0.42 0.00	43.87 -0.34 0.00
BROWNSV1_27_KV_LOAD 356125	41.73 1.82 0.00	37.38 1.57 0.00	29.97 1.17 0.00	30.12 1.14 0.00	30.88 1.15 0.00	38.91 1.47 0.00	48.00 1.94 0.00	48.66 2.27 0.00	49.55 2.60 0.00	50.15 2.88 0.00	85.94 2.98 -39.33	57.21 3.19 -8.01	51.79 3.48 0.00	73.42 4.64 0.00	56.67 3.79 0.00	57.64 4.12 0.00	60.79 4.67 0.00	53.91 4.62 0.00	51.59 4.68 0.00	52.23 4.33 0.00	54.79 3.73 0.00	49.06 3.37 0.00	47.92 3.51 0.00	47.79 3.59 0.00
BURROWS___LYONSDAL 23803	41.08 1.18 0.00	36.77 0.96 0.00	29.46 0.66 0.00	29.39 0.42 0.00	30.00 0.28 0.00	38.00 0.57 0.00	46.96 0.90 0.00	47.35 0.95 0.00	47.94 0.99 0.00	48.17 0.89 0.00	44.72 1.10 0.00	47.16 1.15 0.00	49.80 1.49 0.00	70.97 2.19 0.00	54.09 1.21 0.00	54.18 0.66 0.00	57.14 1.02 0.00	49.96 0.68 0.00	47.34 0.44 0.00	48.22 0.32 0.00	51.50 0.45 0.00	45.95 0.27 0.00	44.62 0.20 0.00	44.28 0.07 0.00
CAITHNESS_CC_1 323624	41.41 1.50 0.00	37.30 1.49 0.00	30.12 1.32 0.00	30.48 1.50 0.00	31.29 1.56 0.00	39.06 1.62 0.00	47.54 1.47 0.00	48.08 1.67 0.00	49.05 2.10 0.00	49.28 2.00 0.00	85.03 2.43 -38.99	56.60 2.65 -7.94	51.45 3.13 0.00	72.05 3.27 0.00	55.59 2.71 0.00	56.37 2.85 0.00	59.35 3.23 0.00	52.77 3.49 0.00	50.31 3.40 0.00	51.03 3.13 0.00	53.36 2.30 0.00	48.03 2.34 0.00	47.07 2.66 0.00	46.83 2.63 0.00
CALPINE BETH_PAGE_GT4 24209	41.42 1.52 0.00	37.22 1.41 0.00	29.92 1.13 0.00	30.14 1.16 0.00	30.92 1.19 0.00	38.77 1.34 0.00	47.58 1.51 0.00	48.19 1.80 0.00	49.13 2.18 0.00	49.54 2.27 0.00	85.16 2.55 -38.99	56.67 2.72 -7.94	51.45 3.14 0.00	72.49 3.71 0.00	55.98 3.10 0.00	56.94 3.42 0.00	59.99 3.87 0.00	53.25 3.96 0.00	50.79 3.88 0.00	51.60 3.70 0.00	54.00 2.95 0.00	48.40 2.72 0.00	47.28 2.87 0.00	47.23 3.03 0.00
CALPINE_BETH_PAGE_GT_4 323586	41.42 1.52 0.00	37.22 1.41 0.00	29.92 1.12 0.00	30.14 1.16 0.00	30.92 1.20 0.00	38.77 1.34 0.00	47.57 1.51 0.00	48.20 1.80 0.00	49.14 2.18 0.00	49.55 2.27 0.00	85.16 2.56 -38.99	56.66 2.71 -7.94	51.46 3.14 0.00	72.47 3.70 0.00	55.98 3.10 0.00	56.94 3.41 0.00	59.99 3.87 0.00	53.25 3.96 0.00	50.80 3.89 0.00	51.60 3.70 0.00	54.00 2.95 0.00	48.40 2.72 0.00	47.28 2.86 0.00	47.24 3.03 0.00
CALPINE_BP_GT1 23823	41.42 1.52 0.00	37.22 1.41 0.00	29.92 1.12 0.00	30.14 1.16 0.00	30.92 1.20 0.00	38.77 1.34 0.00	47.57 1.51 0.00	48.20 1.80 0.00	49.14 2.18 0.00	49.55 2.27 0.00	85.16 2.56 -38.99	56.66 2.71 -7.94	51.46 3.14 0.00	72.47 3.70 0.00	55.98 3.10 0.00	56.94 3.41 0.00	59.99 3.87 0.00	53.25 3.96 0.00	50.80 3.89 0.00	51.60 3.70 0.00	54.00 2.95 0.00	48.40 2.72 0.00	47.28 2.86 0.00	47.24 3.03 0.00
CALSPAN___DRP 24200	38.04 -1.87 0.00	34.09 -1.73 0.00	27.39 -1.40 0.00	27.63 -1.35 0.00	28.42 -1.30 0.00	35.88 -1.56 0.00	44.58 -1.49 0.00	45.06 -1.34 0.00	45.65 -1.30 0.00	46.17 -1.11 0.00	42.86 -0.76 0.00	45.09 -0.92 0.00	47.04 -1.28 0.00	66.73 -2.05 0.00	51.37 -1.51 0.00	42.63 -2.05 8.84	46.95 -2.19 6.99	31.93 -1.77 15.58	37.20 -1.54 8.16	36.33 -1.65 9.93	31.46 -2.48 17.11	28.29 -2.30 15.09	32.69 -2.18 9.54	41.45 -2.75 0.00

CALVERTON___SOLAR 323806	41.54 1.63 0.00	37.43 1.62 0.00	30.27 1.48 0.00	30.69 1.72 0.00	31.51 1.78 0.00	39.28 1.84 0.00	47.67 1.60 0.00	48.22 1.82 0.00	49.18 2.23 0.00	49.41 2.13 0.00	85.13 2.52 -38.99	56.68 2.73 -7.94	51.54 3.22 0.00	72.15 3.37 0.00	55.69 2.81 0.00	56.49 2.96 0.00	59.53 3.41 0.00	52.93 3.64 0.00	50.41 3.51 0.00	51.13 3.23 0.00	53.44 2.39 0.00	48.07 2.38 0.00	47.11 2.70 0.00	46.82 2.62 0.00
CANDIGU_WT_PWR 323617	38.18 -1.72 0.00	34.27 -1.54 0.00	27.35 -1.44 0.00	27.50 -1.48 0.00	28.29 -1.43 0.00	35.71 -1.73 0.00	44.25 -1.81 0.00	44.81 -1.59 0.00	45.47 -1.48 0.00	46.07 -1.21 0.00	42.56 -1.06 0.00	44.99 -1.02 0.00	47.31 -1.00 0.00	66.98 -1.80 0.00	51.18 -1.70 0.00	5.50 -2.26 45.76	17.63 -2.33 36.16	-32.74 -1.29 80.74	3.70 -0.96 42.26	-4.53 -1.02 51.41	-39.50 -1.93 88.62	-34.50 -2.05 78.13	-7.00 -2.03 49.38	41.90 -2.28 0.02
CARR STREET_E_SYR 24060	39.45 -0.45 0.00	35.40 -0.42 0.00	28.44 -0.36 0.00	28.62 -0.36 0.00	29.36 -0.36 0.00	37.03 -0.41 0.00	45.63 -0.44 0.00	45.92 -0.48 0.00	46.46 -0.50 0.00	46.79 -0.49 0.00	43.29 -0.33 0.00	45.68 -0.33 0.00	48.00 -0.31 0.00	68.32 -0.46 0.00	52.53 -0.36 0.00	53.16 -0.37 0.00	55.76 -0.36 0.00	49.17 -0.12 0.00	46.91 0.00 0.00	47.85 -0.05 0.00	50.65 -0.41 0.00	45.24 -0.45 0.00	43.95 -0.47 0.00	43.61 -0.60 0.00
CARTHAGE___PAPER 23857	41.70 1.79 0.00	37.32 1.51 0.00	29.82 1.02 0.00	29.61 0.63 0.00	30.16 0.43 0.00	38.33 0.89 0.00	47.45 1.38 0.00	47.99 1.60 0.00	48.47 1.52 0.00	48.80 1.52 0.00	45.52 1.90 0.00	47.82 1.81 0.00	50.62 2.31 0.00	71.80 3.02 0.00	53.96 1.08 0.00	53.12 -0.40 0.00	56.28 0.16 0.00	48.97 -0.31 0.00	46.32 -0.59 0.00	47.15 -0.75 0.00	51.54 0.49 0.00	45.99 0.31 0.00	44.60 0.19 0.00	44.23 0.03 0.00
CASSADAGA_WT_PWR 323784	37.42 -2.48 0.00	33.70 -2.11 0.00	26.84 -1.96 0.00	27.19 -1.79 0.00	28.05 -1.68 0.00	35.46 -1.98 0.00	44.23 -1.84 0.00	45.47 -0.93 0.00	45.56 -1.39 0.00	46.28 -0.99 0.00	43.21 -0.41 0.00	45.64 -0.37 0.00	47.73 -0.58 0.00	68.04 -0.74 0.00	52.07 -0.81 0.00	46.27 -1.47 5.78	49.84 -1.72 4.57	38.99 -0.11 10.18	41.79 0.22 5.34	40.70 -0.72 6.49	38.21 -1.65 11.18	33.91 -1.91 9.86	36.42 -1.76 6.24	41.81 -2.39 0.00
CE_DUNWOOD___DRP 24194	41.22 1.32 0.00	36.96 1.15 0.00	29.65 0.86 0.00	29.81 0.84 0.00	30.57 0.85 0.00	38.51 1.07 0.00	47.46 1.39 0.00	48.06 1.66 0.00	48.88 1.93 0.00	49.42 2.14 0.00	87.89 2.26 -42.01	57.02 2.46 -8.56	51.04 2.73 0.00	72.47 3.69 0.00	55.90 3.02 0.00	56.85 3.33 0.00	59.94 3.83 0.00	53.16 3.88 0.00	50.85 3.95 0.00	51.52 3.62 0.00	54.08 3.03 0.00	48.33 2.64 0.00	47.18 2.77 0.00	46.98 2.78 0.00
CE_MILLWOOD___DRP 24193	41.11 1.21 0.00	36.86 1.05 0.00	29.57 0.77 0.00	29.73 0.75 0.00	30.50 0.78 0.00	38.41 0.97 0.00	47.33 1.26 0.00	47.92 1.52 0.00	48.72 1.77 0.00	49.25 1.97 0.00	88.57 2.07 -42.88	57.00 2.26 -8.73	50.85 2.54 0.00	72.23 3.45 0.00	55.71 2.83 0.00	56.66 3.14 0.00	59.75 3.63 0.00	53.00 3.71 0.00	50.68 3.78 0.00	51.37 3.47 0.00	53.95 2.90 0.00	48.19 2.50 0.00	47.03 2.61 0.00	46.82 2.62 0.00
CE_NYC2_DRP 24202	41.35 1.45 0.00	37.07 1.26 0.00	29.74 0.95 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.17 0.00	47.57 1.50 0.00	48.21 1.82 0.00	49.07 2.12 0.00	49.66 2.39 0.00	85.52 2.57 -39.33	56.73 2.71 -8.01	51.27 2.95 0.00	72.57 3.79 0.00	56.07 3.19 0.00	56.99 3.46 0.00	60.10 3.99 0.00	53.29 4.00 0.00	51.01 4.11 0.00	51.59 3.68 0.00	54.12 3.07 0.00	48.47 2.79 0.00	47.39 2.97 0.00	47.24 3.03 0.00
CE_NYC_DRP 24195	41.47 1.57 0.00	37.17 1.36 0.00	29.80 1.01 0.00	29.95 0.97 0.00	30.71 0.99 0.00	38.69 1.25 0.00	47.73 1.66 0.00	48.38 1.98 0.00	49.28 2.32 0.00	49.88 2.60 0.00	85.68 2.72 -39.34	56.93 2.91 -8.01	51.49 3.17 0.00	72.97 4.19 0.00	56.32 3.44 0.00	57.27 3.75 0.00	60.41 4.29 0.00	53.57 4.28 0.00	51.26 4.34 -0.01	51.88 3.98 0.00	54.39 3.34 0.00	48.65 2.96 0.00	47.57 3.16 0.00	47.39 3.19 0.00
CHAFFEE___LFGE 323603	38.21 -1.69 0.00	34.26 -1.55 0.00	27.52 -1.28 0.00	27.76 -1.22 0.00	28.55 -1.17 0.00	36.04 -1.39 0.00	44.80 -1.26 0.00	45.33 -1.06 0.00	45.92 -1.03 0.00	46.38 -0.89 0.00	43.00 -0.62 0.00	45.29 -0.71 0.00	47.28 -1.03 0.00	67.10 -1.68 0.00	51.76 -1.12 0.00	45.08 -1.63 6.81	49.02 -1.72 5.38	36.02 -1.26 12.01	39.56 -1.06 6.29	39.10 -1.16 7.65	35.88 -1.98 13.19	32.16 -1.90 11.63	35.27 -1.79 7.35	41.75 -2.45 0.00
CHATEAUG_35_KV_LOAD 355732	39.91 0.01 0.00	35.80 -0.01 0.00	28.82 0.03 0.00	29.05 0.07 0.00	29.75 0.02 0.00	37.56 0.12 0.00	46.07 0.01 0.00	46.36 -0.04 0.00	46.87 -0.08 0.00	47.28 0.00 0.00	43.59 -0.03 0.00	45.98 -0.03 0.00	48.08 -0.23 0.00	67.93 -0.85 0.00	52.39 -0.49 0.00	52.87 -0.66 0.00	55.39 -0.72 0.00	48.42 -0.87 0.00	45.80 -1.11 0.00	46.72 -1.18 0.00	50.31 -0.75 0.00	45.04 -0.64 0.00	43.60 -0.81 0.00	43.38 -0.82 0.00
CHATEAUG_WT_PWR 323614	39.89 -0.01 0.00	35.78 -0.03 0.00	28.81 0.01 0.00	29.02 0.05 0.00	29.73 0.01 0.00	37.52 0.08 0.00	46.04 -0.03 0.00	46.33 -0.07 0.00	46.85 -0.10 0.00	47.30 0.02 0.00	43.59 -0.02 0.00	45.94 -0.06 0.00	48.10 -0.21 0.00	68.02 -0.76 0.00	52.44 -0.44 0.00	52.94 -0.59 0.00	55.44 -0.68 0.00	48.38 -0.91 0.00	45.78 -1.12 0.00	46.69 -1.21 0.00	50.25 -0.81 0.00	44.98 -0.70 0.00	43.55 -0.86 0.00	43.35 -0.85 0.00
CHAT_HIGH_FALL_HYD 323578	39.91 0.01 0.00	35.80 -0.01 0.00	28.82 0.03 0.00	29.05 0.07 0.00	29.75 0.02 0.00	37.56 0.12 0.00	46.07 0.01 0.00	46.36 -0.04 0.00	46.87 -0.08 0.00	47.28 0.00 0.00	43.59 -0.03 0.00	45.98 -0.03 0.00	48.08 -0.23 0.00	67.93 -0.85 0.00	52.39 -0.49 0.00	52.87 -0.66 0.00	55.39 -0.72 0.00	48.42 -0.87 0.00	45.80 -1.11 0.00	46.72 -1.18 0.00	50.31 -0.75 0.00	45.04 -0.64 0.00	43.60 -0.81 0.00	43.38 -0.82 0.00
CHAUTAUQUA___LFGE 323629	37.74 -2.17 0.00	33.96 -1.85 0.00	27.15 -1.65 0.00	27.43 -1.54 0.00	28.29 -1.44 0.00	35.73 -1.71 0.00	44.43 -1.63 0.00	45.22 -1.18 0.00	45.63 -1.32 0.00	46.15 -1.13 0.00	43.02 -0.60 0.00	45.34 -0.67 0.00	47.48 -0.83 0.00	67.74 -1.04 0.00	51.93 -0.95 0.00	44.43 -1.64 7.46	48.61 -1.61 5.89	35.41 -0.73 13.15	39.58 -0.44 6.89	38.60 -0.93 8.37	34.77 -1.85 14.43	30.97 -1.98 12.73	34.51 -1.85 8.05	41.72 -2.48 0.00
CHERRYST_13_KV_LD 356241	41.59 1.69 0.00	37.27 1.46 0.00	29.89 1.09 0.00	30.03 1.05 0.00	30.80 1.07 0.00	38.82 1.38 0.00	47.89 1.82 0.00	48.56 2.16 0.00	49.47 2.52 0.00	50.07 2.80 0.00	85.87 2.91 -39.34	57.15 3.14 -8.01	51.72 3.40 0.00	73.30 4.53 0.00	56.58 3.70 0.00	57.53 4.00 0.00	60.68 4.56 0.00	53.80 4.51 0.00	51.45 4.54 -0.01	52.09 4.18 0.00	54.59 3.53 0.00	48.80 3.12 0.00	47.72 3.31 0.00	47.53 3.32 0.00

CHESTROR_138KV_BK263 355645	40.84 0.94 0.00	36.64 0.82 0.00	29.40 0.61 0.00	29.56 0.58 0.00	30.32 0.60 0.00	38.19 0.75 0.00	47.07 1.01 0.00	47.62 1.22 0.00	48.34 1.39 0.00	48.85 1.57 0.00	6.21 1.65 39.06	39.83 1.78 7.96	50.38 2.06 0.00	71.69 2.91 0.00	55.27 2.39 0.00	56.18 2.66 0.00	59.23 3.12 0.00	52.50 3.21 0.00	50.18 3.28 0.00	50.92 3.02 0.00	53.56 2.50 0.00	47.81 2.13 0.00	46.60 2.19 0.00	46.37 2.16 0.00
CH_MIDHUDSON___DRP 24192	41.18 1.28 0.00	36.91 1.10 0.00	29.64 0.84 0.00	29.81 0.84 0.00	30.58 0.86 0.00	38.50 1.07 0.00	47.42 1.36 0.00	47.99 1.60 0.00	48.77 1.82 0.00	49.26 1.98 0.00	45.61 1.99 0.00	48.16 2.15 0.00	50.72 2.40 0.00	72.17 3.39 0.00	55.64 2.76 0.00	56.63 3.10 0.00	59.64 3.53 0.00	52.93 3.64 0.00	50.60 3.69 0.00	51.32 3.42 0.00	53.99 2.94 0.00	48.24 2.55 0.00	47.01 2.60 0.00	46.81 2.61 0.00
CH_MISC_IPPS 23765	41.38 1.48 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.93 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.66 1.60 0.00	48.26 1.87 0.00	49.03 2.07 0.00	49.54 2.26 0.00	45.90 2.28 0.00	48.45 2.44 0.00	51.10 2.78 0.00	72.73 3.95 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.18 4.06 0.00	53.39 4.10 0.00	51.04 4.14 0.00	51.78 3.88 0.00	54.43 3.38 0.00	48.60 2.91 0.00	47.34 2.93 0.00	47.10 2.89 0.00
CH_RES_BVR_FALLS 23983	39.85 -0.05 0.00	35.74 -0.07 0.00	28.72 -0.08 0.00	28.89 -0.09 0.00	29.65 -0.08 0.00	37.33 -0.11 0.00	45.92 -0.15 0.00	46.24 -0.15 0.00	46.80 -0.15 0.00	47.15 -0.12 0.00	43.53 -0.09 0.00	45.92 -0.08 0.00	48.17 -0.14 0.00	68.46 -0.32 0.00	52.64 -0.24 0.00	53.20 -0.32 0.00	55.79 -0.32 0.00	48.86 -0.42 0.00	46.44 -0.46 0.00	47.43 -0.47 0.00	50.65 -0.41 0.00	45.32 -0.37 0.00	44.05 -0.36 0.00	43.85 -0.35 0.00
CH_RES_NIAGARA 23895	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
CH_RES_SYRACUSE 23985	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.92 -0.35 0.00	43.43 -0.19 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.46 0.55 0.00	48.44 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.44 0.02 0.00	44.12 -0.08 0.00
CLINTON_WT_PWR 323605	39.89 -0.01 0.00	35.78 -0.03 0.00	28.81 0.01 0.00	29.02 0.05 0.00	29.73 0.01 0.00	37.52 0.08 0.00	46.04 -0.03 0.00	46.33 -0.07 0.00	46.85 -0.10 0.00	47.30 0.02 0.00	43.59 -0.02 0.00	45.94 -0.06 0.00	48.10 -0.21 0.00	68.02 -0.76 0.00	52.44 -0.44 0.00	52.94 -0.59 0.00	55.44 -0.68 0.00	48.38 -0.91 0.00	45.78 -1.12 0.00	46.69 -1.21 0.00	50.25 -0.81 0.00	44.98 -0.70 0.00	43.55 -0.86 0.00	43.35 -0.85 0.00
CLINTON___LFGE 323618	40.31 0.41 0.00	36.19 0.37 0.00	29.15 0.35 0.00	29.37 0.39 0.00	30.10 0.37 0.00	37.98 0.54 0.00	46.56 0.49 0.00	46.84 0.44 0.00	47.34 0.38 0.00	47.78 0.50 0.00	44.03 0.41 0.00	46.44 0.44 0.00	48.60 0.29 0.00	68.84 0.06 0.00	52.97 0.10 0.00	53.62 0.09 0.00	56.22 0.11 0.00	49.08 -0.21 0.00	46.54 -0.36 0.00	47.40 -0.50 0.00	50.93 -0.12 0.00	45.60 -0.09 0.00	44.09 -0.33 0.00	43.87 -0.33 0.00
COBBLENY_34_KV_TB1 80064	38.22 -1.69 0.00	34.26 -1.55 0.00	27.52 -1.28 0.00	27.76 -1.22 0.00	28.55 -1.17 0.00	36.04 -1.39 0.00	44.80 -1.26 0.00	45.34 -1.06 0.00	45.94 -1.01 0.00	46.39 -0.89 0.00	43.03 -0.59 0.00	45.29 -0.72 0.00	47.28 -1.03 0.00	67.10 -1.68 0.00	51.76 -1.12 0.00	45.05 -1.66 6.81	49.02 -1.72 5.38	36.00 -1.28 12.01	39.53 -1.08 6.29	39.08 -1.17 7.65	35.84 -2.03 13.19	32.12 -1.93 11.63	35.23 -1.83 7.35	41.75 -2.45 0.00
COFFEEN___115KV_TB3 355620	41.72 1.81 0.00	37.34 1.53 0.00	29.81 1.01 0.00	29.59 0.61 0.00	30.12 0.39 0.00	38.30 0.87 0.00	47.45 1.38 0.00	48.04 1.65 0.00	48.50 1.55 0.00	48.89 1.61 0.00	45.68 2.06 0.00	47.99 1.98 0.00	50.84 2.53 0.00	72.37 3.59 0.00	54.56 1.68 0.00	54.15 0.63 0.00	57.38 1.26 0.00	50.02 0.73 0.00	47.37 0.46 0.00	48.13 0.22 0.00	51.87 0.82 0.00	46.18 0.50 0.00	44.76 0.34 0.00	44.29 0.09 0.00
COLDSPRG_115KV_BK1 355956	38.70 -1.21 0.00	34.95 -0.86 0.00	27.89 -0.90 0.00	28.20 -0.78 0.00	29.09 -0.63 0.00	36.73 -0.71 0.00	45.73 -0.34 0.00	46.70 0.31 0.00	47.06 0.11 0.00	47.83 0.56 0.00	44.53 0.91 0.00	46.71 0.70 0.00	48.87 0.56 0.00	69.86 1.09 0.00	53.48 0.60 0.00	50.47 0.07 3.13	53.71 0.06 2.47	44.85 1.08 5.51	45.36 1.34 2.89	45.27 0.88 3.51	44.94 -0.06 6.05	39.72 -0.63 5.34	40.53 -0.50 3.38	43.13 -1.07 0.00
COLONIE_LFGE___ 323577	41.08 1.18 0.00	36.92 1.11 0.00	29.74 0.94 0.00	29.94 0.96 0.00	30.73 1.00 0.00	38.67 1.23 0.00	47.57 1.50 0.00	47.89 1.50 0.00	48.37 1.42 0.00	48.55 1.27 0.00	44.41 0.80 0.00	46.81 0.80 0.00	49.13 0.81 0.00	70.48 1.71 0.00	54.00 1.12 0.00	54.92 1.39 0.00	57.48 1.36 0.00	51.02 1.73 0.00	48.70 1.79 0.00	49.60 1.70 0.00	52.76 1.71 0.00	47.24 1.56 0.00	45.89 1.48 0.00	45.82 1.61 0.00
COOPERNY_115KV_TB1 80082	40.48 0.57 0.00	36.33 0.51 0.00	29.17 0.37 0.00	29.33 0.35 0.00	30.09 0.36 0.00	37.89 0.46 0.00	46.69 0.63 0.00	47.18 0.78 0.00	47.99 1.04 0.00	48.53 1.25 0.00	28.07 1.29 16.84	43.96 1.38 3.43	49.99 1.68 0.00	71.00 2.22 0.00	54.54 1.67 0.00	55.36 1.84 0.00	58.27 2.16 0.00	51.59 2.30 0.00	49.25 2.34 0.00	50.04 2.14 0.00	52.79 1.74 0.00	47.15 1.47 0.00	45.93 1.52 0.00	45.69 1.48 0.00
COPENHAGEN_WT_PWR 323753	41.30 1.39 0.00	36.96 1.15 0.00	29.46 0.67 0.00	29.16 0.19 0.00	29.61 -0.12 0.00	37.66 0.22 0.00	46.60 0.53 0.00	47.26 0.86 0.00	47.68 0.73 0.00	48.07 0.80 0.00	44.95 1.33 0.00	47.14 1.13 0.00	50.04 1.73 0.00	71.39 2.61 0.00	53.67 0.80 0.00	53.23 -0.30 0.00	56.44 0.32 0.00	49.08 -0.21 0.00	46.41 -0.50 0.00	47.04 -0.86 0.00	50.68 -0.38 0.00	45.14 -0.54 0.00	43.77 -0.64 0.00	43.34 -0.86 0.00
CORNELL_____ 23752	40.27 0.37 0.00	36.13 0.32 0.00	28.95 0.15 0.00	29.13 0.15 0.00	29.91 0.18 0.00	37.75 0.31 0.00	46.62 0.55 0.00	47.07 0.67 0.00	47.54 0.59 0.00	47.68 0.40 0.00	44.21 0.59 0.00	46.78 0.77 0.00	49.24 0.93 0.00	70.12 1.34 0.00	53.81 0.94 0.00	57.55 1.00 -3.03	59.66 1.16 -2.39	55.87 1.23 -5.34	51.10 1.40 -2.80	52.71 1.41 -3.40	57.95 1.04 -5.87	51.58 0.72 -5.17	48.31 0.62 -3.27	44.72 0.51 0.00

CORONA__69_KV_TB1 355595	41.65 1.75 0.00	37.37 1.56 0.00	30.00 1.20 0.00	30.20 1.22 0.00	30.98 1.25 0.00	38.90 1.47 0.00	47.79 1.73 0.00	48.42 2.03 0.00	49.35 2.40 0.00	49.85 2.57 0.00	85.37 2.76 -38.99	57.05 3.10 -7.94	51.84 3.53 0.00	73.22 4.44 0.00	56.58 3.70 0.00	57.53 4.00 0.00	60.61 4.50 0.00	53.74 4.45 0.00	51.30 4.39 0.00	52.11 4.21 0.00	54.62 3.57 0.00	48.92 3.23 0.00	47.73 3.32 0.00	47.52 3.32 0.00
CORTLAND__115KV_TB3 80093	40.05 0.15 0.00	35.95 0.14 0.00	28.83 0.03 0.00	29.02 0.04 0.00	29.78 0.06 0.00	37.58 0.14 0.00	46.36 0.30 0.00	46.76 0.36 0.00	47.28 0.33 0.00	47.48 0.20 0.00	43.95 0.33 0.00	46.48 0.47 0.00	48.93 0.62 0.00	69.70 0.92 0.00	53.58 0.70 0.00	55.33 0.72 -1.08	57.77 0.80 -0.86	52.19 0.99 -1.92	48.96 1.06 -1.00	50.15 1.03 -1.22	53.83 0.67 -2.10	47.99 0.45 -1.85	45.98 0.40 -1.17	44.45 0.25 0.00
COXSACKIE__GT 23611	42.12 2.22 0.00	37.82 2.00 0.00	30.43 1.63 0.00	30.61 1.63 0.00	31.43 1.71 0.00	39.64 2.20 0.00	48.96 2.89 0.00	49.41 3.01 0.00	49.72 2.77 0.00	49.54 2.26 0.00	-8.21 1.49 53.32	35.44 1.21 11.77	49.28 0.96 0.00	71.55 2.77 0.00	55.67 2.79 0.00	56.69 3.17 0.00	59.46 3.35 0.00	52.74 3.45 0.00	50.42 3.52 0.00	51.29 3.39 0.00	54.36 3.30 0.00	48.55 2.86 0.00	47.12 2.70 0.00	46.96 2.76 0.00
CPV_VALLEY__CC1 323721	40.53 0.63 0.00	36.38 0.56 0.00	29.20 0.40 0.00	29.36 0.39 0.00	30.12 0.39 0.00	37.91 0.47 0.00	46.72 0.66 0.00	47.25 0.85 0.00	47.97 1.02 0.00	48.45 1.17 0.00	18.33 1.29 26.58	41.99 1.40 5.41	49.94 1.63 0.00	71.07 2.29 0.00	54.77 1.89 0.00	55.66 2.14 0.00	58.65 2.53 0.00	51.96 2.67 0.00	49.66 2.75 0.00	50.40 2.49 0.00	53.04 1.99 0.00	47.38 1.70 0.00	46.18 1.76 0.00	45.95 1.75 0.00
CPV_VALLEY__CC2 323722	40.53 0.63 0.00	36.38 0.56 0.00	29.20 0.40 0.00	29.36 0.39 0.00	30.12 0.39 0.00	37.91 0.47 0.00	46.72 0.66 0.00	47.25 0.85 0.00	47.97 1.02 0.00	48.45 1.17 0.00	18.33 1.29 26.58	41.99 1.40 5.41	49.94 1.63 0.00	71.07 2.29 0.00	54.77 1.89 0.00	55.66 2.14 0.00	58.65 2.53 0.00	51.96 2.67 0.00	49.66 2.75 0.00	50.40 2.49 0.00	53.04 1.99 0.00	47.38 1.70 0.00	46.18 1.76 0.00	45.95 1.75 0.00
CRESCENT__HYD 24018	41.08 1.18 0.00	36.92 1.11 0.00	29.74 0.94 0.00	29.94 0.96 0.00	30.73 1.00 0.00	38.67 1.23 0.00	47.57 1.50 0.00	47.89 1.50 0.00	48.37 1.42 0.00	48.55 1.27 0.00	44.41 0.80 0.00	46.81 0.80 0.00	49.13 0.81 0.00	70.48 1.71 0.00	54.00 1.12 0.00	54.92 1.39 0.00	57.48 1.36 0.00	51.02 1.73 0.00	48.70 1.79 0.00	49.60 1.70 0.00	52.76 1.71 0.00	47.24 1.56 0.00	45.89 1.48 0.00	45.82 1.61 0.00
CRICKET__VALLEY_CC1 323756	40.76 0.85 0.00	36.49 0.68 0.00	29.33 0.53 0.00	29.52 0.54 0.00	30.28 0.56 0.00	38.12 0.68 0.00	46.83 0.76 0.00	47.39 0.99 0.00	48.22 1.27 0.00	48.72 1.44 0.00	61.37 1.48 -16.28	50.94 1.61 -3.32	50.09 1.78 0.00	71.26 2.49 0.00	54.90 2.02 0.00	55.90 2.38 0.00	58.97 2.85 0.00	52.34 3.05 0.00	50.05 3.15 0.00	50.75 2.85 0.00	53.38 2.33 0.00	47.73 2.05 0.00	46.53 2.12 0.00	46.36 2.16 0.00
CRICKET__VALLEY_CC2 323757	40.76 0.85 0.00	36.49 0.68 0.00	29.33 0.53 0.00	29.52 0.54 0.00	30.28 0.56 0.00	38.12 0.68 0.00	46.83 0.76 0.00	47.39 0.99 0.00	48.22 1.27 0.00	48.72 1.44 0.00	61.37 1.48 -16.28	50.94 1.61 -3.32	50.09 1.78 0.00	71.26 2.49 0.00	54.90 2.02 0.00	55.90 2.38 0.00	58.97 2.85 0.00	52.34 3.05 0.00	50.05 3.15 0.00	50.75 2.85 0.00	53.38 2.33 0.00	47.73 2.05 0.00	46.53 2.12 0.00	46.36 2.16 0.00
CRICKET__VALLEY_CC3 323758	40.76 0.85 0.00	36.49 0.68 0.00	29.33 0.53 0.00	29.52 0.54 0.00	30.28 0.56 0.00	38.12 0.68 0.00	46.83 0.76 0.00	47.39 0.99 0.00	48.22 1.27 0.00	48.72 1.44 0.00	61.37 1.48 -16.28	50.94 1.61 -3.32	50.09 1.78 0.00	71.26 2.49 0.00	54.90 2.02 0.00	55.90 2.38 0.00	58.97 2.85 0.00	52.34 3.05 0.00	50.05 3.15 0.00	50.75 2.85 0.00	53.38 2.33 0.00	47.73 2.05 0.00	46.53 2.12 0.00	46.36 2.16 0.00
CRUCIBLE__METL_DRP 24180	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.93 -0.35 0.00	43.44 -0.18 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.45 0.54 0.00	48.43 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.43 0.02 0.00	44.12 -0.08 0.00
DAHOWA__HYDRO 323763	41.64 1.74 0.00	37.42 1.61 0.00	30.16 1.36 0.00	30.37 1.39 0.00	31.20 1.47 0.00	39.28 1.84 0.00	48.33 2.26 0.00	48.62 2.22 0.00	48.99 2.04 0.00	49.01 1.73 0.00	44.75 1.13 0.00	47.22 1.22 0.00	49.61 1.29 0.00	71.54 2.76 0.00	54.92 2.04 0.00	55.93 2.41 0.00	58.79 2.67 0.00	52.27 2.98 0.00	49.87 2.97 0.00	50.82 2.92 0.00	53.91 2.86 0.00	48.23 2.55 0.00	46.81 2.39 0.00	46.61 2.40 0.00
DANC__LFGE 323619	40.45 0.55 0.00	36.25 0.43 0.00	28.98 0.18 0.00	28.85 -0.12 0.00	29.42 -0.31 0.00	37.29 -0.15 0.00	46.05 -0.01 0.00	46.55 0.15 0.00	47.00 0.05 0.00	47.37 0.09 0.00	44.10 0.48 0.00	46.35 0.35 0.00	49.02 0.71 0.00	69.83 1.05 0.00	52.93 0.05 0.00	52.85 -0.67 0.00	55.74 -0.37 0.00	48.72 -0.56 0.00	46.22 -0.69 0.00	46.97 -0.93 0.00	50.33 -0.72 0.00	44.97 -0.71 0.00	43.65 -0.76 0.00	43.26 -0.95 0.00
DANSKAMMER__1 23586	41.38 1.48 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.93 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.66 1.60 0.00	48.26 1.87 0.00	49.03 2.07 0.00	49.54 2.26 0.00	45.90 2.28 0.00	48.45 2.44 0.00	51.10 2.78 0.00	72.73 3.95 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.18 4.06 0.00	53.39 4.10 0.00	51.04 4.14 0.00	51.78 3.88 0.00	54.43 3.38 0.00	48.60 2.91 0.00	47.34 2.93 0.00	47.10 2.89 0.00
DANSKAMMER__2 23589	41.38 1.48 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.93 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.66 1.60 0.00	48.26 1.87 0.00	49.03 2.07 0.00	49.54 2.26 0.00	45.90 2.28 0.00	48.45 2.44 0.00	51.10 2.78 0.00	72.73 3.95 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.18 4.06 0.00	53.39 4.10 0.00	51.04 4.14 0.00	51.78 3.88 0.00	54.43 3.38 0.00	48.60 2.91 0.00	47.34 2.93 0.00	47.10 2.89 0.00
DANSKAMMER__3 23590	41.38 1.48 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.93 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.66 1.60 0.00	48.26 1.87 0.00	49.03 2.07 0.00	49.54 2.26 0.00	45.90 2.28 0.00	48.45 2.44 0.00	51.10 2.78 0.00	72.73 3.95 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.18 4.06 0.00	53.39 4.10 0.00	51.04 4.14 0.00	51.78 3.88 0.00	54.43 3.38 0.00	48.60 2.91 0.00	47.34 2.93 0.00	47.10 2.89 0.00

DANSKAMMER___4 23591	41.38 1.48 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.93 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.66 1.60 0.00	48.26 1.87 0.00	49.03 2.07 0.00	49.54 2.26 0.00	45.90 2.28 0.00	48.45 2.44 0.00	51.10 2.78 0.00	72.73 3.95 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.18 4.06 0.00	53.39 4.10 0.00	51.04 4.14 0.00	51.78 3.88 0.00	54.43 3.38 0.00	48.60 2.91 0.00	47.34 2.93 0.00	47.10 2.89 0.00
DANSKAMMER___DIESEL 23592	41.39 1.48 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.94 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.67 1.60 0.00	48.26 1.87 0.00	49.03 2.08 0.00	49.54 2.26 0.00	45.89 2.28 0.00	48.45 2.44 0.00	51.10 2.78 0.00	72.73 3.95 0.00	56.11 3.23 0.00	57.10 3.58 0.00	60.18 4.06 0.00	53.39 4.10 0.00	51.04 4.14 0.00	51.78 3.88 0.00	54.44 3.39 0.00	48.60 2.91 0.00	47.35 2.93 0.00	47.10 2.89 0.00
DARBY___SOLAR 323810	41.46 1.55 0.00	37.27 1.46 0.00	30.03 1.24 0.00	30.24 1.26 0.00	31.06 1.33 0.00	39.09 1.65 0.00	48.08 2.01 0.00	48.36 1.96 0.00	48.75 1.79 0.00	48.78 1.51 0.00	44.58 0.96 0.00	47.05 1.04 0.00	49.42 1.10 0.00	71.20 2.42 0.00	54.63 1.75 0.00	55.61 2.08 0.00	58.40 2.28 0.00	51.88 2.60 0.00	49.51 2.60 0.00	50.45 2.54 0.00	53.54 2.49 0.00	47.92 2.23 0.00	46.53 2.12 0.00	46.35 2.15 0.00
DASHVILLE___HYD 23610	40.93 1.03 0.00	36.69 0.88 0.00	29.45 0.65 0.00	29.61 0.63 0.00	30.37 0.64 0.00	38.25 0.81 0.00	47.13 1.06 0.00	47.72 1.32 0.00	48.50 1.55 0.00	49.02 1.74 0.00	32.60 1.85 12.86	45.17 2.00 2.84	50.46 2.15 0.00	71.95 3.17 0.00	55.48 2.60 0.00	56.56 3.04 0.00	59.57 3.46 0.00	52.84 3.56 0.00	50.50 3.59 0.00	51.24 3.34 0.00	53.92 2.86 0.00	48.15 2.47 0.00	46.89 2.48 0.00	46.57 2.37 0.00
DELAWARE___LFGE 323621	40.54 0.64 0.00	36.40 0.58 0.00	29.22 0.43 0.00	29.39 0.41 0.00	30.16 0.43 0.00	38.01 0.57 0.00	46.85 0.78 0.00	47.25 0.86 0.00	47.82 0.87 0.00	48.18 0.90 0.00	44.54 0.92 0.00	47.00 0.99 0.00	49.44 1.13 0.00	70.50 1.73 0.00	54.24 1.36 0.00	54.99 1.47 0.00	57.70 1.58 0.00	51.05 1.77 0.00	48.71 1.80 0.00	49.59 1.69 0.00	52.44 1.39 0.00	46.85 1.16 0.00	45.56 1.14 0.00	45.35 1.14 0.00
DERFIELD_115KV_TB7 355931	40.00 0.09 0.00	35.90 0.08 0.00	28.86 0.06 0.00	29.04 0.06 0.00	29.78 0.06 0.00	37.51 0.08 0.00	46.17 0.10 0.00	46.49 0.09 0.00	47.04 0.09 0.00	47.33 0.05 0.00	43.62 0.00 0.00	46.04 0.04 0.00	48.38 0.07 0.00	69.00 0.23 0.00	53.04 0.16 0.00	53.72 0.19 0.00	56.29 0.18 0.00	49.59 0.30 0.00	47.23 0.32 0.00	48.18 0.28 0.00	51.23 0.18 0.00	45.86 0.17 0.00	44.57 0.15 0.00	44.35 0.14 0.00
DOGLEVILLE___HYD 23807	40.81 0.90 0.00	36.65 0.84 0.00	29.49 0.69 0.00	29.68 0.70 0.00	30.47 0.74 0.00	38.47 1.03 0.00	47.39 1.32 0.00	47.60 1.20 0.00	47.98 1.03 0.00	47.62 0.35 0.00	42.80 -0.82 0.00	45.70 -0.30 0.00	48.39 0.07 0.00	70.18 1.40 0.00	53.88 1.01 0.00	55.12 1.60 0.00	57.57 1.45 0.00	51.13 1.85 0.00	48.83 1.92 0.00	49.97 2.07 0.00	52.93 1.88 0.00	47.32 1.64 0.00	45.86 1.45 0.00	45.57 1.37 0.00
DUNKIRK__115KV_TB_200 55889	37.78 -2.12 0.00	34.00 -1.81 0.00	27.19 -1.61 0.00	27.46 -1.52 0.00	28.32 -1.41 0.00	35.77 -1.67 0.00	44.46 -1.61 0.00	45.21 -1.19 0.00	45.66 -1.29 0.00	46.15 -1.13 0.00	43.01 -0.61 0.00	45.30 -0.71 0.00	47.44 -0.87 0.00	67.67 -1.11 0.00	51.89 -0.98 0.00	44.24 -1.66 7.62	48.45 -1.65 6.02	35.04 -0.82 13.43	39.34 -0.53 7.04	38.37 -0.97 8.55	34.41 -1.89 14.75	30.67 -2.01 13.00	34.31 -1.88 8.22	41.72 -2.49 0.00
DUNKIRK___1 23563	37.78 -2.12 0.00	34.00 -1.81 0.00	27.19 -1.61 0.00	27.46 -1.52 0.00	28.32 -1.41 0.00	35.77 -1.67 0.00	44.46 -1.61 0.00	45.21 -1.19 0.00	45.66 -1.29 0.00	46.15 -1.13 0.00	43.01 -0.61 0.00	45.30 -0.71 0.00	47.44 -0.87 0.00	67.67 -1.11 0.00	51.89 -0.98 0.00	44.24 -1.66 7.62	48.45 -1.65 6.02	35.04 -0.82 13.43	39.34 -0.53 7.04	38.37 -0.97 8.55	34.41 -1.89 14.75	30.67 -2.01 13.00	34.31 -1.88 8.22	41.72 -2.49 0.00
DUNKIRK___2 23564	37.78 -2.12 0.00	34.00 -1.81 0.00	27.19 -1.61 0.00	27.46 -1.52 0.00	28.32 -1.41 0.00	35.77 -1.67 0.00	44.46 -1.61 0.00	45.21 -1.19 0.00	45.66 -1.29 0.00	46.15 -1.13 0.00	43.01 -0.61 0.00	45.30 -0.71 0.00	47.44 -0.87 0.00	67.67 -1.11 0.00	51.89 -0.98 0.00	44.24 -1.66 7.62	48.45 -1.65 6.02	35.04 -0.82 13.43	39.34 -0.53 7.04	38.37 -0.97 8.55	34.41 -1.89 14.75	30.67 -2.01 13.00	34.31 -1.88 8.22	41.72 -2.49 0.00
DUNKIRK___3 23565	37.86 -2.05 0.00	34.04 -1.77 0.00	27.27 -1.53 0.00	27.52 -1.46 0.00	28.36 -1.37 0.00	35.82 -1.62 0.00	44.49 -1.58 0.00	45.13 -1.27 0.00	45.62 -1.33 0.00	46.12 -1.16 0.00	42.94 -0.68 0.00	45.18 -0.82 0.00	47.29 -1.03 0.00	67.33 -1.45 0.00	51.70 -1.18 0.00	43.44 -1.80 8.29	47.73 -1.84 6.55	33.55 -1.13 14.61	38.41 -0.85 7.65	37.43 -1.16 9.30	32.93 -2.08 16.04	29.44 -2.10 14.15	33.51 -1.96 8.94	41.64 -2.56 0.00
DUNKIRK___4 23566	37.86 -2.05 0.00	34.04 -1.77 0.00	27.27 -1.53 0.00	27.52 -1.46 0.00	28.36 -1.37 0.00	35.82 -1.62 0.00	44.49 -1.58 0.00	45.13 -1.27 0.00	45.62 -1.33 0.00	46.12 -1.16 0.00	42.94 -0.68 0.00	45.18 -0.82 0.00	47.29 -1.03 0.00	67.33 -1.45 0.00	51.70 -1.18 0.00	43.44 -1.80 8.29	47.73 -1.84 6.55	33.55 -1.13 14.61	38.41 -0.85 7.65	37.43 -1.16 9.30	32.93 -2.08 16.04	29.44 -2.10 14.15	33.51 -1.96 8.94	41.64 -2.56 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	41.31 1.40 0.00	37.03 1.21 0.00	29.71 0.91 0.00	29.87 0.89 0.00	30.63 0.90 0.00	38.57 1.13 0.00	47.54 1.47 0.00	48.14 1.74 0.00	48.98 2.03 0.00	49.53 2.25 0.00	85.28 2.37 -39.29	56.59 2.58 -8.00	51.17 2.86 0.00	72.61 3.84 0.00	56.01 3.13 0.00	56.96 3.43 0.00	60.06 3.94 0.00	53.26 3.97 0.00	50.95 4.05 0.00	51.61 3.71 0.00	54.16 3.10 0.00	48.42 2.73 0.00	47.27 2.86 0.00	47.09 2.88 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	41.07 1.16 0.00	36.84 1.02 0.00	29.55 0.75 0.00	29.71 0.73 0.00	30.47 0.75 0.00	38.38 0.94 0.00	47.32 1.25 0.00	47.89 1.50 0.00	48.64 1.69 0.00	49.15 1.87 0.00	31.55 1.92 14.00	45.22 2.06 2.85	50.69 2.37 0.00	72.15 3.37 0.00	55.68 2.80 0.00	56.61 3.09 0.00	59.70 3.58 0.00	52.96 3.67 0.00	50.62 3.71 0.00	51.36 3.46 0.00	54.01 2.96 0.00	48.20 2.52 0.00	46.97 2.55 0.00	46.72 2.51 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	41.35 1.45 0.00	37.09 1.28 0.00	29.76 0.97 0.00	29.90 0.92 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.60 1.54 0.00	48.26 1.86 0.00	49.09 2.13 0.00	49.67 2.39 0.00	85.48 2.53 -39.33	56.69 2.67 -8.01	51.25 2.93 0.00	72.60 3.82 0.00	56.07 3.20 0.00	57.01 3.48 0.00	60.11 4.00 0.00	53.31 4.03 0.00	51.04 4.13 0.00	51.64 3.74 0.00	54.24 3.18 0.00	48.54 2.86 0.00	47.40 2.99 0.00	47.21 3.00 0.00

E179THST_13_KV_LOAD 356214	41.57 1.67 0.00	37.28 1.46 0.00	29.91 1.12 0.00	30.04 1.06 0.00	30.81 1.08 0.00	38.82 1.38 0.00	47.85 1.79 0.00	48.51 2.12 0.00	49.35 2.40 0.00	49.95 2.67 0.00	85.74 2.80 -39.33	56.98 2.96 -8.01	51.57 3.26 0.00	73.07 4.29 0.00	56.42 3.54 0.00	57.36 3.84 0.00	60.46 4.35 0.00	53.64 4.35 0.00	51.33 4.43 0.00	51.96 4.06 0.00	54.58 3.52 0.00	48.85 3.16 0.00	47.69 3.27 0.00	47.47 3.27 0.00
EAST HAMPTON___GT 23717	42.64 2.73 0.00	38.54 2.73 0.00	31.20 2.40 0.00	31.63 2.66 0.00	32.49 2.76 0.00	40.55 3.11 0.00	49.25 3.18 0.00	49.91 3.51 0.00	50.97 4.02 0.00	51.25 3.97 0.00	86.86 4.25 -38.99	58.38 4.43 -7.94	52.79 4.48 0.00	73.66 4.88 0.00	56.69 3.81 0.00	57.36 3.84 0.00	60.55 4.43 0.00	53.50 4.21 0.00	50.47 3.56 0.00	51.05 3.15 0.00	53.20 2.15 0.00	47.73 2.04 0.00	46.74 2.33 0.00	46.35 2.15 0.00
EAST RIVER___6 23660	41.55 1.65 0.00	37.23 1.42 0.00	29.82 1.02 0.00	29.96 0.98 0.00	30.69 0.97 0.00	38.71 1.27 0.00	47.79 1.73 0.00	48.43 2.03 0.00	49.38 2.43 0.00	49.99 2.71 0.00	85.80 2.84 -39.34	57.07 3.05 -8.01	51.64 3.33 0.00	73.20 4.42 0.00	56.50 3.63 0.00	57.44 3.92 0.00	60.59 4.47 0.00	53.72 4.43 0.00	51.39 4.48 -0.01	52.01 4.10 0.00	54.51 3.45 0.00	48.73 3.05 0.00	47.65 3.23 0.00	47.48 3.27 0.00
EAST RIVER___7 23524	41.55 1.65 0.00	37.23 1.42 0.00	29.82 1.02 0.00	29.96 0.98 0.00	30.69 0.97 0.00	38.71 1.27 0.00	47.79 1.73 0.00	48.43 2.03 0.00	49.38 2.43 0.00	49.99 2.71 0.00	85.80 2.84 -39.34	57.07 3.05 -8.01	51.64 3.33 0.00	73.20 4.42 0.00	56.50 3.63 0.00	57.44 3.92 0.00	60.59 4.47 0.00	53.72 4.43 0.00	51.39 4.48 -0.01	52.01 4.10 0.00	54.51 3.45 0.00	48.73 3.05 0.00	47.65 3.23 0.00	47.48 3.27 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	41.22 1.32 0.00	36.96 1.15 0.00	29.65 0.86 0.00	29.81 0.84 0.00	30.57 0.85 0.00	38.51 1.07 0.00	47.46 1.39 0.00	48.06 1.66 0.00	48.88 1.93 0.00	49.42 2.14 0.00	87.89 2.26 -42.01	57.02 2.46 -8.56	51.04 2.73 0.00	72.47 3.69 0.00	55.90 3.02 0.00	56.85 3.33 0.00	59.94 3.83 0.00	53.16 3.88 0.00	50.85 3.95 0.00	51.52 3.62 0.00	54.08 3.03 0.00	48.33 2.64 0.00	47.18 2.77 0.00	46.98 2.78 0.00
EAST_HAMPTON___DIESEL 23722	42.64 2.74 0.00	38.55 2.74 0.00	31.21 2.41 0.00	31.64 2.66 0.00	32.49 2.77 0.00	40.57 3.13 0.00	49.27 3.20 0.00	49.93 3.53 0.00	51.00 4.04 0.00	51.26 3.98 0.00	86.86 4.26 -38.99	58.38 4.43 -7.94	52.76 4.45 0.00	73.59 4.82 0.00	56.63 3.76 0.00	57.30 3.78 0.00	60.48 4.37 0.00	53.44 4.15 0.00	50.39 3.48 0.00	50.95 3.05 0.00	53.11 2.06 0.00	47.64 1.96 0.00	46.66 2.25 0.00	46.26 2.06 0.00
EAST_POINT___SOLAR 323840	41.78 1.87 0.00	37.45 1.64 0.00	30.10 1.30 0.00	30.26 1.28 0.00	30.99 1.27 0.00	39.16 1.72 0.00	48.57 2.51 0.00	48.75 2.35 0.00	49.00 2.05 0.00	48.28 1.01 0.00	43.68 0.06 0.00	46.99 0.99 0.00	49.90 1.59 0.00	71.85 3.07 0.00	55.90 3.03 0.00	56.43 2.90 0.00	59.39 3.27 0.00	52.14 2.84 0.00	49.63 2.72 0.00	50.85 2.95 0.00	53.81 2.76 0.00	48.13 2.44 0.00	46.59 2.18 0.00	46.17 1.97 0.00
EAST_PULASKI___ESR 323781	39.65 -0.26 0.00	35.56 -0.25 0.00	28.51 -0.28 0.00	28.57 -0.40 0.00	29.23 -0.49 0.00	36.94 -0.50 0.00	45.53 -0.53 0.00	45.88 -0.52 0.00	46.36 -0.59 0.00	46.71 -0.58 0.00	43.28 -0.33 0.00	45.62 -0.39 0.00	48.08 -0.24 0.00	68.32 -0.46 0.00	52.15 -0.73 0.00	52.45 -1.07 0.00	55.08 -1.04 0.00	48.36 -0.92 0.00	46.03 -0.87 0.00	46.88 -1.02 0.00	49.99 -1.07 0.00	44.80 -0.89 0.00	43.55 -0.87 0.00	43.20 -1.00 0.00
EAST_RIVER___1 323558	41.47 1.57 0.00	37.17 1.36 0.00	29.80 1.01 0.00	29.95 0.97 0.00	30.71 0.98 0.00	38.69 1.25 0.00	47.72 1.65 0.00	48.37 1.97 0.00	49.28 2.33 0.00	49.88 2.60 0.00	85.69 2.73 -39.34	56.93 2.91 -8.01	51.49 3.17 0.00	72.97 4.20 0.00	56.32 3.44 0.00	57.27 3.75 0.00	60.41 4.29 0.00	53.56 4.27 0.00	51.26 4.34 -0.01	51.88 3.98 0.00	54.39 3.33 0.00	48.65 2.96 0.00	47.57 3.16 0.00	47.39 3.19 0.00
EAST_RIVER___2 323559	41.55 1.65 0.00	37.23 1.42 0.00	29.82 1.02 0.00	29.96 0.98 0.00	30.69 0.97 0.00	38.71 1.27 0.00	47.79 1.73 0.00	48.43 2.03 0.00	49.38 2.43 0.00	49.99 2.71 0.00	85.80 2.84 -39.34	57.07 3.05 -8.01	51.64 3.33 0.00	73.20 4.42 0.00	56.50 3.63 0.00	57.44 3.92 0.00	60.59 4.47 0.00	53.72 4.43 0.00	51.39 4.48 -0.01	52.01 4.10 0.00	54.51 3.45 0.00	48.73 3.05 0.00	47.65 3.23 0.00	47.48 3.27 0.00
EAST___DELAWARE_HYD 23607	40.40 0.49 0.00	36.21 0.40 0.00	29.05 0.25 0.00	29.20 0.23 0.00	29.96 0.23 0.00	37.76 0.32 0.00	46.58 0.51 0.00	47.15 0.75 0.00	47.91 0.96 0.00	48.47 1.19 0.00	30.82 1.23 14.03	44.40 1.32 2.93	49.92 1.61 0.00	71.22 2.44 0.00	54.86 1.98 0.00	55.80 2.28 0.00	58.87 2.76 0.00	52.20 2.91 0.00	49.90 3.00 0.00	50.69 2.79 0.00	53.32 2.27 0.00	47.56 1.88 0.00	46.29 1.88 0.00	46.00 1.79 0.00
EIGHT_POINT___WT_PWR 323820	38.01 -1.89 0.00	34.12 -1.70 0.00	27.16 -1.64 0.00	27.21 -1.77 0.00	28.05 -1.68 0.00	35.57 -1.87 0.00	44.17 -1.89 0.00	44.70 -1.70 0.00	45.37 -1.58 0.00	46.23 -1.05 0.00	42.62 -0.99 0.00	45.07 -0.94 0.00	47.48 -0.83 0.00	66.90 -1.88 0.00	50.61 -2.27 0.00	78.13 -2.55 -27.16	75.09 -2.48 -21.46	95.94 -1.27 -47.91	71.11 -0.87 -25.08	77.64 -0.77 -30.51	101.74 -1.91 -52.59	90.07 -1.98 -46.36	71.73 -1.99 -29.31	41.59 -2.63 -0.01
ELBRIDGE_115KV_TB2 80188	39.66 -0.24 0.00	35.61 -0.21 0.00	28.60 -0.20 0.00	28.75 -0.23 0.00	29.54 -0.19 0.00	37.21 -0.22 0.00	45.90 -0.16 0.00	46.23 -0.17 0.00	46.62 -0.33 0.00	46.92 -0.35 0.00	43.43 -0.19 0.00	45.83 -0.18 0.00	48.18 -0.14 0.00	68.54 -0.23 0.00	52.71 -0.17 0.00	53.43 -0.10 0.00	56.08 -0.03 0.00	49.48 0.19 0.00	47.22 0.31 0.00	48.24 0.34 0.00	51.02 -0.04 0.00	45.49 -0.19 0.00	44.18 -0.23 0.00	43.91 -0.30 0.00
ELEC_TRO_TEK 24086	41.41 1.51 0.00	37.17 1.36 0.00	29.86 1.06 0.00	30.06 1.09 0.00	30.85 1.12 0.00	38.72 1.28 0.00	47.56 1.49 0.00	48.21 1.81 0.00	49.11 2.16 0.00	49.60 2.32 0.00	85.16 2.55 -38.99	56.78 2.83 -7.94	51.54 3.22 0.00	72.69 3.92 0.00	56.16 3.28 0.00	57.10 3.57 0.00	60.15 4.04 0.00	53.35 4.06 0.00	50.94 4.03 0.00	51.72 3.82 0.00	54.19 3.13 0.00	48.54 2.86 0.00	47.39 2.98 0.00	47.21 3.01 0.00
ELLENBURG_WT_PWR 323604	39.89 -0.01 0.00	35.78 -0.03 0.00	28.81 0.01 0.00	29.02 0.05 0.00	29.73 0.01 0.00	37.52 0.08 0.00	46.04 -0.03 0.00	46.33 -0.07 0.00	46.85 -0.10 0.00	47.30 0.02 0.00	43.59 -0.02 0.00	45.94 -0.06 0.00	48.10 -0.21 0.00	68.02 -0.76 0.00	52.44 -0.44 0.00	52.94 -0.59 0.00	55.44 -0.68 0.00	48.38 -0.91 0.00	45.78 -1.12 0.00	46.69 -1.21 0.00	50.25 -0.81 0.00	44.98 -0.70 0.00	43.55 -0.86 0.00	43.35 -0.85 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	37.90 -2.01 0.00	33.97 -1.84 0.00	27.32 -1.48 0.00	27.56 -1.41 0.00	28.35 -1.37 0.00	35.78 -1.66 0.00	44.44 -1.63 0.00	44.91 -1.49 0.00	45.45 -1.50 0.00	46.00 -1.28 0.00	42.68 -0.94 0.00	44.88 -1.12 0.00	46.81 -1.51 0.00	66.39 -2.38 0.00	51.11 -1.77 0.00	42.17 -2.34 9.01	46.50 -2.50 7.12	31.33 -2.07 15.89	36.79 -1.80 8.32	35.86 -1.93 10.12	30.81 -2.80 17.45	27.75 -2.55 15.38	32.29 -2.40 9.72	41.26 -2.94 0.00
EMPIRE_CC_1 323656	40.73 0.83 0.00	36.67 0.86 0.00	29.57 0.77 0.00	29.75 0.77 0.00	30.53 0.81 0.00	38.39 0.95 0.00	47.11 1.05 0.00	47.43 1.03 0.00	47.90 0.94 0.00	48.03 0.76 0.00	51.58 0.31 -7.65	47.83 0.26 -1.56	48.54 0.23 0.00	69.54 0.76 0.00	53.24 0.36 0.00	54.15 0.62 0.00	56.62 0.50 0.00	50.23 0.95 0.00	47.96 1.05 0.00	48.84 0.94 0.00	52.01 0.96 0.00	46.59 0.91 0.00	45.28 0.87 0.00	45.29 1.09 0.00
EMPIRE_CC_2 323658	40.73 0.83 0.00	36.67 0.86 0.00	29.57 0.77 0.00	29.75 0.77 0.00	30.53 0.81 0.00	38.39 0.95 0.00	47.11 1.05 0.00	47.43 1.03 0.00	47.90 0.94 0.00	48.03 0.76 0.00	51.58 0.31 -7.65	47.83 0.26 -1.56	48.54 0.23 0.00	69.54 0.76 0.00	53.24 0.36 0.00	54.15 0.62 0.00	56.62 0.50 0.00	50.23 0.95 0.00	47.96 1.05 0.00	48.84 0.94 0.00	52.01 0.96 0.00	46.59 0.91 0.00	45.28 0.87 0.00	45.29 1.09 0.00
ENORWICH_115KV_TB1 80156	41.76 1.85 0.00	37.32 1.51 0.00	29.60 0.80 0.00	29.71 0.72 0.00	30.44 0.72 0.00	38.57 1.13 0.00	47.74 1.68 0.00	48.16 1.76 0.00	48.88 1.93 0.00	48.87 1.60 0.00	45.37 1.75 0.00	47.91 1.91 0.00	50.52 2.21 0.00	72.10 3.32 0.00	55.12 2.24 0.00	57.82 2.71 -1.59	60.45 3.07 -1.26	54.87 2.78 -2.81	51.42 3.04 -1.47	52.14 2.45 -1.79	56.40 2.26 -3.08	49.90 1.50 -2.72	47.47 1.33 -1.72	45.72 1.51 0.00
ERIE_ST__34_KV_TB1-2 80199	38.31 -1.59 0.00	34.29 -1.52 0.00	27.56 -1.24 0.00	27.80 -1.18 0.00	28.59 -1.14 0.00	36.10 -1.34 0.00	44.89 -1.18 0.00	45.39 -1.01 0.00	46.02 -0.93 0.00	46.56 -0.72 0.00	43.24 -0.38 0.00	45.46 -0.54 0.00	47.43 -0.88 0.00	67.30 -1.48 0.00	51.85 -1.03 0.00	43.66 -1.39 8.47	47.91 -1.51 6.69	33.20 -1.16 14.93	38.05 -1.03 7.82	37.31 -1.08 9.51	32.82 -1.83 16.40	29.50 -1.72 14.46	33.61 -1.66 9.14	41.81 -2.39 0.00
ERIE_WT_PWR 323693	38.05 -1.85 0.00	34.09 -1.72 0.00	27.39 -1.41 0.00	27.63 -1.35 0.00	28.40 -1.33 0.00	35.87 -1.56 0.00	44.57 -1.49 0.00	45.07 -1.32 0.00	45.66 -1.29 0.00	46.17 -1.11 0.00	42.84 -0.78 0.00	45.14 -0.86 0.00	47.04 -1.27 0.00	66.73 -2.05 0.00	51.36 -1.52 0.00	42.66 -2.02 8.84	46.96 -2.17 6.99	31.96 -1.74 15.58	37.17 -1.57 8.16	36.34 -1.64 9.93	31.50 -2.44 17.11	28.33 -2.26 15.09	32.72 -2.15 9.54	41.44 -2.76 0.00
ESPRGFLD_115KV_TB1 80157	41.03 1.12 0.00	36.80 0.99 0.00	29.50 0.70 0.00	29.66 0.69 0.00	30.45 0.72 0.00	38.40 0.96 0.00	47.43 1.37 0.00	47.88 1.48 0.00	48.49 1.54 0.00	48.83 1.55 0.00	45.16 1.54 0.00	47.72 1.71 0.00	50.24 1.93 0.00	71.64 2.86 0.00	55.04 2.16 0.00	55.83 2.31 0.00	58.61 2.49 0.00	51.82 2.53 0.00	49.51 2.60 0.00	50.36 2.46 0.00	53.22 2.17 0.00	47.46 1.77 0.00	46.09 1.67 0.00	45.84 1.63 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	40.23 0.33 0.00	36.10 0.29 0.00	28.93 0.14 0.00	29.10 0.12 0.00	29.88 0.16 0.00	37.72 0.28 0.00	46.56 0.49 0.00	46.99 0.60 0.00	47.46 0.51 0.00	47.60 0.33 0.00	44.11 0.50 0.00	46.66 0.65 0.00	49.12 0.81 0.00	69.95 1.17 0.00	53.72 0.84 0.00	56.97 0.90 -2.54	59.18 1.06 -2.01	54.93 1.16 -4.48	50.57 1.31 -2.35	52.06 1.30 -2.85	56.91 0.94 -4.92	50.65 0.63 -4.34	47.71 0.55 -2.74	44.64 0.44 0.00
ETNA____115KV_TB2 80207	40.23 0.33 0.00	36.10 0.29 0.00	28.93 0.14 0.00	29.10 0.12 0.00	29.88 0.16 0.00	37.72 0.28 0.00	46.56 0.49 0.00	46.99 0.60 0.00	47.46 0.51 0.00	47.60 0.33 0.00	44.11 0.50 0.00	46.66 0.65 0.00	49.12 0.81 0.00	69.95 1.17 0.00	53.72 0.84 0.00	56.97 0.90 -2.54	59.18 1.06 -2.01	54.93 1.16 -4.48	50.57 1.31 -2.35	52.06 1.30 -2.85	56.91 0.94 -4.92	50.65 0.63 -4.34	47.71 0.55 -2.74	44.64 0.44 0.00
EUCLID__115KV_TB2 356179	39.53 -0.38 0.00	35.46 -0.35 0.00	28.50 -0.30 0.00	28.67 -0.30 0.00	29.42 -0.31 0.00	37.10 -0.34 0.00	45.72 -0.35 0.00	46.01 -0.39 0.00	46.53 -0.42 0.00	46.86 -0.42 0.00	43.37 -0.25 0.00	45.76 -0.24 0.00	48.09 -0.22 0.00	68.44 -0.34 0.00	52.61 -0.27 0.00	53.26 -0.26 0.00	55.88 -0.24 0.00	49.27 -0.02 0.00	47.01 0.10 0.00	47.95 0.05 0.00	50.77 -0.29 0.00	45.34 -0.34 0.00	44.04 -0.37 0.00	43.70 -0.50 0.00
EXCELSIOR__SOLAR 323857	38.22 -1.69 0.00	34.27 -1.54 0.00	27.58 -1.22 0.00	27.80 -1.18 0.00	28.57 -1.16 0.00	36.02 -1.42 0.00	44.62 -1.44 0.00	44.99 -1.41 0.00	45.51 -1.44 0.00	46.00 -1.28 0.00	42.59 -1.03 0.00	44.82 -1.19 0.00	46.84 -1.48 0.00	66.48 -2.30 0.00	51.16 -1.72 0.00	48.45 -2.12 2.95	51.55 -2.23 2.33	42.19 -1.89 5.21	42.55 -1.63 2.72	42.89 -1.70 3.31	42.92 -2.42 5.71	38.43 -2.22 5.04	39.12 -2.11 3.18	41.75 -2.45 0.00
E_CANADA_CAP_HY 24051	41.35 1.45 0.00	37.02 1.21 0.00	29.77 0.98 0.00	29.92 0.95 0.00	30.64 0.91 0.00	38.68 1.25 0.00	47.96 1.89 0.00	48.22 1.82 0.00	48.59 1.64 0.00	48.56 1.28 0.00	44.91 1.29 0.00	47.53 1.53 0.00	50.09 1.77 0.00	71.48 2.70 0.00	55.55 2.68 0.00	55.82 2.30 0.00	58.74 2.63 0.00	51.31 2.02 0.00	48.66 1.75 0.00	49.85 1.95 0.00	52.71 1.66 0.00	47.24 1.56 0.00	45.76 1.34 0.00	45.38 1.17 0.00
E_CANADA_MHWK_HY 24050	40.81 0.90 0.00	36.65 0.84 0.00	29.49 0.69 0.00	29.68 0.70 0.00	30.47 0.74 0.00	38.47 1.03 0.00	47.39 1.32 0.00	47.60 1.20 0.00	47.98 1.03 0.00	47.62 0.35 0.00	42.80 -0.82 0.00	45.70 -0.30 0.00	48.39 0.07 0.00	70.18 1.40 0.00	53.88 1.01 0.00	55.12 1.60 0.00	57.57 1.45 0.00	51.13 1.84 0.00	48.83 1.92 0.00	49.97 2.07 0.00	52.93 1.88 0.00	47.32 1.63 0.00	45.86 1.45 0.00	45.57 1.37 0.00
E_FISHKILL__LBMP 23776	40.98 1.07 0.00	36.74 0.93 0.00	29.50 0.71 0.00	29.67 0.69 0.00	30.44 0.71 0.00	38.32 0.88 0.00	47.17 1.11 0.00	47.74 1.34 0.00	48.52 1.57 0.00	49.03 1.75 0.00	58.39 1.82 -12.96	50.62 1.97 -2.64	50.51 2.20 0.00	71.76 2.99 0.00	55.31 2.44 0.00	56.27 2.74 0.00	59.30 3.18 0.00	52.59 3.30 0.00	50.28 3.38 0.00	50.98 3.08 0.00	53.61 2.55 0.00	47.91 2.23 0.00	46.75 2.33 0.00	46.57 2.37 0.00
FALCON__SEABRD_CC1 323796	40.25 0.34 0.00	36.13 0.32 0.00	29.10 0.31 0.00	29.32 0.34 0.00	30.05 0.32 0.00	37.91 0.47 0.00	46.48 0.41 0.00	46.75 0.36 0.00	47.27 0.31 0.00	47.71 0.44 0.00	43.98 0.36 0.00	46.37 0.37 0.00	48.54 0.23 0.00	68.78 0.00 0.00	52.88 0.00 0.00	53.56 0.03 0.00	56.15 0.04 0.00	48.98 -0.32 0.00	46.42 -0.48 0.00	47.28 -0.63 0.00	50.77 -0.28 0.00	45.46 -0.23 0.00	43.98 -0.43 0.00	43.80 -0.40 0.00

FALCON___SEABRD_CC2 323797	40.25 0.34 0.00	36.13 0.32 0.00	29.10 0.31 0.00	29.32 0.34 0.00	30.05 0.32 0.00	37.91 0.47 0.00	46.48 0.41 0.00	46.75 0.36 0.00	47.27 0.31 0.00	47.71 0.44 0.00	43.98 0.36 0.00	46.37 0.37 0.00	48.54 0.23 0.00	68.78 0.00 0.00	52.88 0.00 0.00	53.56 0.03 0.00	56.15 0.04 0.00	48.98 -0.32 0.00	46.42 -0.48 0.00	47.28 -0.63 0.00	50.77 -0.28 0.00	45.46 -0.23 0.00	43.98 -0.43 0.00	43.80 -0.40 0.00
FAR ROCKAWAY___4 23548	42.03 2.13 0.00	37.70 1.89 0.00	30.26 1.46 0.00	30.45 1.48 0.00	31.25 1.52 0.00	39.25 1.81 0.00	48.20 2.14 0.00	48.85 2.45 0.00	49.83 2.88 0.00	50.34 3.06 0.00	85.85 3.24 -38.99	57.61 3.66 -7.94	52.46 4.15 0.00	74.13 5.35 0.00	57.28 4.40 0.00	58.24 4.72 0.00	61.37 5.25 0.00	54.39 5.10 0.00	51.91 5.00 0.00	52.75 4.85 0.00	55.28 4.23 0.00	49.50 3.82 0.00	48.27 3.86 0.00	48.00 3.80 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	41.46 1.56 0.00	37.16 1.35 0.00	29.80 1.00 0.00	29.95 0.97 0.00	30.71 0.98 0.00	38.68 1.25 0.00	47.71 1.64 0.00	48.36 1.96 0.00	49.24 2.29 0.00	49.83 2.55 0.00	85.62 2.66 -39.33	56.88 2.86 -8.01	51.43 3.11 0.00	72.88 4.10 0.00	56.25 3.38 0.00	57.20 3.68 0.00	60.34 4.22 0.00	53.52 4.23 0.00	51.21 4.30 0.00	51.84 3.94 0.00	54.37 3.31 0.00	48.62 2.93 0.00	47.55 3.13 0.00	47.38 3.17 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	41.47 1.57 0.00	37.17 1.36 0.00	29.80 1.01 0.00	29.95 0.97 0.00	30.71 0.98 0.00	38.69 1.25 0.00	47.72 1.66 0.00	48.36 1.96 0.00	49.23 2.28 0.00	49.83 2.55 0.00	85.61 2.66 -39.33	56.88 2.86 -8.01	51.42 3.11 0.00	72.87 4.09 0.00	56.24 3.36 0.00	57.20 3.68 0.00	60.34 4.22 0.00	53.52 4.23 0.00	51.21 4.30 0.00	51.84 3.94 0.00	54.37 3.31 0.00	48.64 2.96 0.00	47.56 3.15 0.00	47.39 3.19 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	41.44 1.53 0.00	37.14 1.33 0.00	29.78 0.98 0.00	29.93 0.95 0.00	30.69 0.96 0.00	38.67 1.23 0.00	47.69 1.62 0.00	48.33 1.94 0.00	49.22 2.27 0.00	49.80 2.52 0.00	85.60 2.65 -39.33	56.85 2.83 -8.01	51.40 3.08 0.00	72.83 4.05 0.00	56.22 3.34 0.00	57.17 3.64 0.00	60.30 4.18 0.00	53.47 4.18 0.00	51.17 4.26 0.00	51.80 3.90 0.00	54.31 3.26 0.00	48.58 2.89 0.00	47.51 3.10 0.00	47.35 3.15 0.00
FARRAGUT___LBMP 323566	41.41 1.50 0.00	37.11 1.30 0.00	29.76 0.96 0.00	29.91 0.93 0.00	30.67 0.94 0.00	38.64 1.20 0.00	47.64 1.58 0.00	48.28 1.88 0.00	49.15 2.20 0.00	49.74 2.47 0.00	85.55 2.59 -39.33	56.79 2.77 -8.01	51.34 3.02 0.00	72.74 3.96 0.00	56.13 3.26 0.00	57.09 3.57 0.00	60.22 4.11 0.00	53.42 4.13 0.00	51.11 4.20 0.00	51.74 3.84 0.00	54.26 3.21 0.00	48.53 2.85 0.00	47.47 3.06 0.00	47.31 3.10 0.00
FARRCKWY_69_KV_BK2 55825	42.03 2.13 0.00	37.70 1.89 0.00	30.26 1.46 0.00	30.45 1.48 0.00	31.25 1.52 0.00	39.25 1.81 0.00	48.20 2.14 0.00	48.85 2.45 0.00	49.83 2.88 0.00	50.34 3.06 0.00	85.85 3.24 -38.99	57.61 3.66 -7.94	52.46 4.15 0.00	74.13 5.35 0.00	57.28 4.40 0.00	58.24 4.72 0.00	61.37 5.25 0.00	54.39 5.10 0.00	51.91 5.00 0.00	52.75 4.85 0.00	55.28 4.23 0.00	49.50 3.82 0.00	48.27 3.86 0.00	48.00 3.80 0.00
FENNER___WINDPWR 24204	40.52 0.61 0.00	36.29 0.48 0.00	29.10 0.30 0.00	29.26 0.28 0.00	29.98 0.26 0.00	37.86 0.43 0.00	46.74 0.67 0.00	47.13 0.73 0.00	47.68 0.73 0.00	47.85 0.58 0.00	44.25 0.63 0.00	46.90 0.89 0.00	49.41 1.10 0.00	70.46 1.69 0.00	54.12 1.24 0.00	54.73 1.21 0.00	57.34 1.22 0.00	50.49 1.21 0.00	47.99 1.08 0.00	48.98 1.09 0.00	51.95 0.89 0.00	46.40 0.71 0.00	45.03 0.62 0.00	44.67 0.47 0.00
FIBERTEK___ENERGY 23856	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.93 -0.35 0.00	43.44 -0.18 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.45 0.54 0.00	48.43 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.43 0.02 0.00	44.12 -0.08 0.00
FITZPATRICK____ 23598	38.63 -1.28 0.00	34.67 -1.14 0.00	27.89 -0.91 0.00	28.07 -0.91 0.00	28.78 -0.94 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.81 -1.59 0.00	45.33 -1.62 0.00	45.65 -1.63 0.00	42.17 -1.45 0.00	44.48 -1.53 0.00	46.71 -1.60 0.00	66.45 -2.33 0.00	51.10 -1.78 0.00	51.69 -1.83 0.00	54.20 -1.92 0.00	47.71 -1.57 0.00	45.48 -1.43 0.00	46.41 -1.49 0.00	49.26 -1.79 0.00	44.06 -1.62 0.00	42.82 -1.59 0.00	42.56 -1.64 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	41.46 1.56 0.00	37.16 1.35 0.00	29.82 1.02 0.00	29.99 1.01 0.00	30.76 1.03 0.00	38.75 1.31 0.00	47.76 1.70 0.00	48.36 1.96 0.00	49.13 2.18 0.00	49.65 2.37 0.00	45.99 2.37 0.00	48.55 2.55 0.00	51.22 2.91 0.00	72.90 4.12 0.00	56.24 3.37 0.00	57.24 3.72 0.00	60.31 4.20 0.00	53.52 4.23 0.00	51.18 4.27 0.00	51.90 4.00 0.00	54.56 3.51 0.00	48.71 3.03 0.00	47.45 3.03 0.00	47.19 2.99 0.00
FORT ORANGE____ 23900	40.77 0.87 0.00	36.65 0.84 0.00	29.51 0.72 0.00	29.68 0.71 0.00	30.46 0.74 0.00	38.36 0.92 0.00	47.17 1.11 0.00	47.50 1.10 0.00	47.95 0.99 0.00	48.02 0.74 0.00	35.35 0.34 8.61	44.37 0.26 1.90	48.58 0.27 0.00	69.66 0.88 0.00	53.52 0.65 0.00	54.40 0.88 0.00	56.99 0.88 0.00	50.50 1.21 0.00	48.22 1.31 0.00	49.11 1.21 0.00	52.16 1.11 0.00	46.69 1.00 0.00	45.39 0.97 0.00	45.34 1.14 0.00
FORT_DRUM_COGEN 23780	41.59 1.68 0.00	37.23 1.41 0.00	29.72 0.92 0.00	29.48 0.50 0.00	29.99 0.26 0.00	38.14 0.70 0.00	47.23 1.17 0.00	47.82 1.42 0.00	48.28 1.33 0.00	48.66 1.38 0.00	45.45 1.83 0.00	47.74 1.73 0.00	50.59 2.28 0.00	72.01 3.23 0.00	54.25 1.37 0.00	53.79 0.27 0.00	57.00 0.89 0.00	49.66 0.37 0.00	46.99 0.09 0.00	47.73 -0.17 0.00	51.51 0.46 0.00	45.87 0.19 0.00	44.47 0.06 0.00	44.05 -0.16 0.00
FOX_HILLS___ESR 323835	41.30 1.39 0.00	37.05 1.24 0.00	29.72 0.92 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.59 1.15 0.00	47.46 1.39 0.00	47.98 1.58 0.00	48.71 1.75 0.00	49.28 2.00 0.00	53.39 2.27 -7.49	56.42 2.40 -8.01	51.01 2.69 0.00	72.13 3.36 0.00	55.95 3.07 0.00	56.91 3.39 0.00	60.10 3.99 0.00	53.30 4.02 0.00	51.15 4.24 0.00	51.60 3.70 0.00	54.14 3.09 0.00	48.58 2.90 0.00	47.45 3.04 0.00	47.24 3.03 0.00
FPL FAR_ROCK_GT1 24212	42.03 2.13 0.00	37.70 1.89 0.00	30.26 1.46 0.00	30.45 1.47 0.00	31.25 1.52 0.00	39.25 1.81 0.00	48.20 2.13 0.00	48.85 2.45 0.00	49.83 2.88 0.00	50.34 3.06 0.00	85.85 3.25 -38.99	57.61 3.66 -7.94	52.47 4.15 0.00	74.13 5.35 0.00	57.29 4.41 0.00	58.24 4.72 0.00	61.36 5.25 0.00	54.37 5.09 0.00	51.90 5.00 0.00	52.75 4.85 0.00	55.27 4.22 0.00	49.50 3.81 0.00	48.27 3.85 0.00	48.00 3.80 0.00

FPL FAR_ROCK_GT2 23815	42.03 2.13 0.00	37.70 1.89 0.00	30.26 1.46 0.00	30.45 1.47 0.00	31.25 1.52 0.00	39.25 1.81 0.00	48.20 2.13 0.00	48.85 2.45 0.00	49.83 2.88 0.00	50.34 3.06 0.00	85.85 3.25 -38.99	57.61 3.66 -7.94	52.47 4.15 0.00	74.13 5.35 0.00	57.29 4.41 0.00	58.24 4.72 0.00	61.36 5.25 0.00	54.37 5.09 0.00	51.90 5.00 0.00	52.75 4.85 0.00	55.27 4.22 0.00	49.50 3.81 0.00	48.27 3.85 0.00	48.00 3.80 0.00
FRANKLIN_FALL_HYD 24054	40.23 0.32 0.00	36.09 0.27 0.00	29.07 0.27 0.00	29.29 0.31 0.00	30.01 0.28 0.00	37.90 0.46 0.00	46.49 0.43 0.00	46.82 0.42 0.00	47.37 0.41 0.00	47.81 0.53 0.00	44.12 0.50 0.00	46.50 0.49 0.00	48.64 0.33 0.00	68.77 -0.01 0.00	53.04 0.16 0.00	53.48 -0.04 0.00	56.10 -0.01 0.00	49.02 -0.27 0.00	46.41 -0.49 0.00	47.33 -0.58 0.00	50.95 -0.10 0.00	45.60 -0.08 0.00	44.05 -0.36 0.00	43.79 -0.42 0.00
FREEPORT_EQUS_GT1 23764	41.67 1.77 0.00	37.41 1.59 0.00	30.04 1.25 0.00	30.26 1.28 0.00	31.03 1.31 0.00	38.95 1.52 0.00	47.82 1.75 0.00	48.48 2.08 0.00	49.40 2.45 0.00	49.86 2.58 0.00	85.41 2.81 -38.99	57.07 3.12 -7.94	51.90 3.59 0.00	73.03 4.26 0.00	56.50 3.62 0.00	57.53 4.01 0.00	60.62 4.50 0.00	53.81 4.52 0.00	51.34 4.43 0.00	52.15 4.25 0.00	54.61 3.56 0.00	48.94 3.25 0.00	47.77 3.36 0.00	47.58 3.37 0.00
FREEPORT___CT2 23818	41.67 1.77 0.00	37.41 1.59 0.00	30.04 1.25 0.00	30.26 1.28 0.00	31.03 1.31 0.00	38.95 1.52 0.00	47.82 1.75 0.00	48.48 2.08 0.00	49.40 2.45 0.00	49.86 2.58 0.00	85.41 2.81 -38.99	57.07 3.12 -7.94	51.90 3.59 0.00	73.03 4.26 0.00	56.50 3.62 0.00	57.53 4.01 0.00	60.62 4.50 0.00	53.81 4.52 0.00	51.34 4.43 0.00	52.15 4.25 0.00	54.61 3.56 0.00	48.94 3.25 0.00	47.77 3.36 0.00	47.58 3.37 0.00
FRESHKLS_33_KV_LOAD 356253	41.40 1.50 0.00	37.16 1.35 0.00	29.80 1.01 0.00	29.95 0.97 0.00	30.72 0.99 0.00	38.72 1.29 0.00	47.54 1.48 0.00	47.99 1.59 0.00	46.76 1.64 1.83	45.40 1.84 3.72	46.63 2.17 -0.84	56.37 2.35 -8.01	50.98 2.67 0.00	72.01 3.24 0.00	56.01 3.13 0.00	56.99 3.47 0.00	60.25 4.13 0.00	53.43 4.15 0.00	51.30 4.40 0.00	51.71 3.81 0.00	54.26 3.21 0.00	48.74 3.06 0.00	47.60 3.19 0.00	47.35 3.15 0.00
FULTON COGEN____ 23766	38.99 -0.92 0.00	34.98 -0.84 0.00	28.11 -0.68 0.00	28.29 -0.69 0.00	29.01 -0.72 0.00	36.56 -0.88 0.00	45.01 -1.05 0.00	45.27 -1.13 0.00	45.79 -1.16 0.00	46.12 -1.16 0.00	42.64 -0.98 0.00	44.96 -1.05 0.00	47.25 -1.06 0.00	67.22 -1.56 0.00	51.63 -1.25 0.00	52.22 -1.30 0.00	54.78 -1.33 0.00	48.25 -1.04 0.00	46.02 -0.89 0.00	46.94 -0.96 0.00	49.77 -1.28 0.00	44.54 -1.14 0.00	43.29 -1.12 0.00	42.97 -1.23 0.00
FULTON___LFGE 323630	41.57 1.67 0.00	37.28 1.47 0.00	29.97 1.18 0.00	30.12 1.15 0.00	30.86 1.14 0.00	38.97 1.54 0.00	48.24 2.18 0.00	48.53 2.13 0.00	48.80 1.85 0.00	48.44 1.16 0.00	44.11 0.49 0.00	47.01 1.00 0.00	49.77 1.45 0.00	71.65 2.87 0.00	55.53 2.65 0.00	56.12 2.60 0.00	59.07 2.96 0.00	51.93 2.64 0.00	49.37 2.46 0.00	50.50 2.59 0.00	53.47 2.42 0.00	47.83 2.14 0.00	46.33 1.91 0.00	45.98 1.77 0.00
G.F.CEMENT___DRP 24184	41.71 1.81 0.00	37.52 1.70 0.00	30.26 1.46 0.00	30.48 1.51 0.00	31.33 1.61 0.00	39.43 1.99 0.00	48.44 2.37 0.00	48.67 2.27 0.00	49.04 2.09 0.00	48.97 1.69 0.00	44.73 1.11 0.00	47.22 1.22 0.00	49.62 1.31 0.00	71.68 2.91 0.00	54.98 2.10 0.00	56.04 2.52 0.00	59.03 2.91 0.00	52.55 3.26 0.00	50.14 3.23 0.00	51.06 3.17 0.00	54.13 3.07 0.00	48.44 2.76 0.00	47.01 2.59 0.00	46.77 2.57 0.00
GARDENVILLE___LBMP 24039	37.94 -1.96 0.00	34.02 -1.79 0.00	27.34 -1.46 0.00	27.58 -1.40 0.00	28.37 -1.36 0.00	35.80 -1.64 0.00	44.48 -1.58 0.00	44.97 -1.43 0.00	45.52 -1.43 0.00	46.06 -1.22 0.00	42.76 -0.86 0.00	44.98 -1.03 0.00	46.92 -1.39 0.00	66.57 -2.21 0.00	51.22 -1.66 0.00	41.35 -2.20 9.97	45.88 -2.36 7.87	29.84 -1.87 17.58	36.08 -1.62 9.20	34.96 -1.74 11.19	29.15 -2.61 19.30	26.25 -2.41 17.02	31.38 -2.28 10.76	41.36 -2.84 0.00
GARDNVLA_35_KV_LD 355827	38.11 -1.80 0.00	34.14 -1.67 0.00	27.44 -1.36 0.00	27.68 -1.30 0.00	28.47 -1.26 0.00	35.95 -1.49 0.00	44.66 -1.40 0.00	45.16 -1.24 0.00	45.75 -1.20 0.00	46.28 -1.00 0.00	42.96 -0.66 0.00	45.21 -0.80 0.00	47.15 -1.17 0.00	66.89 -1.89 0.00	51.50 -1.38 0.00	43.19 -1.91 8.42	47.41 -2.05 6.65	32.78 -1.66 14.84	37.69 -1.44 7.78	36.90 -1.54 9.45	32.38 -2.37 16.30	29.10 -2.21 14.38	33.22 -2.11 9.09	41.53 -2.67 0.00
GELCKHM___115KV_LOAD 80723	39.97 0.06 0.00	35.87 0.05 0.00	28.80 0.01 0.00	28.97 0.00 0.00	29.74 0.02 0.00	37.49 0.05 0.00	46.17 0.10 0.00	46.48 0.08 0.00	46.81 -0.14 0.00	47.13 -0.14 0.00	43.64 0.02 0.00	46.07 0.06 0.00	48.43 0.12 0.00	68.95 0.17 0.00	52.98 0.10 0.00	53.86 0.33 0.00	56.62 0.50 0.00	49.94 0.65 0.00	47.65 0.74 0.00	48.63 0.73 0.00	51.45 0.39 0.00	45.92 0.24 0.00	44.60 0.19 0.00	44.28 0.07 0.00
GENERAL___MILLS 23808	38.04 -1.87 0.00	34.09 -1.73 0.00	27.39 -1.40 0.00	27.63 -1.35 0.00	28.42 -1.30 0.00	35.88 -1.56 0.00	44.58 -1.49 0.00	45.06 -1.34 0.00	45.65 -1.30 0.00	46.17 -1.11 0.00	42.86 -0.76 0.00	45.09 -0.92 0.00	47.04 -1.28 0.00	66.73 -2.05 0.00	51.37 -1.51 0.00	42.63 -2.05 8.84	46.95 -2.19 6.99	31.93 -1.77 15.58	37.20 -1.54 8.16	36.33 -1.65 9.93	31.46 -2.48 17.11	28.29 -2.30 15.09	32.69 -2.18 9.54	41.45 -2.75 0.00
GE_PLASTICS___DRP 24183	40.56 0.65 0.00	36.46 0.64 0.00	29.35 0.55 0.00	29.52 0.55 0.00	30.29 0.56 0.00	38.14 0.70 0.00	46.89 0.82 0.00	47.16 0.77 0.00	47.56 0.61 0.00	47.64 0.36 0.00	-108.02 -0.02 151.62	12.47 -0.05 33.48	48.30 -0.01 0.00	69.06 0.28 0.00	52.97 0.09 0.00	53.62 0.10 0.00	56.15 0.04 0.00	49.71 0.43 0.00	47.45 0.54 0.00	48.33 0.43 0.00	51.37 0.31 0.00	46.03 0.34 0.00	44.81 0.40 0.00	44.80 0.59 0.00
GILBOA___1 23756	40.48 0.57 0.00	36.35 0.54 0.00	29.22 0.43 0.00	29.40 0.42 0.00	30.17 0.44 0.00	37.98 0.54 0.00	46.75 0.68 0.00	47.16 0.75 0.00	47.75 0.80 0.00	48.06 0.79 0.00	44.33 0.71 0.00	46.75 0.74 0.00	49.15 0.83 0.00	70.11 1.33 0.00	53.82 0.95 0.00	54.55 1.02 0.00	57.04 0.93 0.00	50.56 1.27 0.00	48.21 1.30 0.00	49.12 1.22 0.00	52.04 0.99 0.00	46.70 1.02 0.00	45.45 1.04 0.00	45.30 1.09 0.00
GILBOA___2 23757	40.48 0.57 0.00	36.35 0.54 0.00	29.22 0.43 0.00	29.40 0.42 0.00	30.17 0.44 0.00	37.98 0.54 0.00	46.75 0.68 0.00	47.16 0.75 0.00	47.75 0.80 0.00	48.06 0.79 0.00	44.33 0.71 0.00	46.75 0.74 0.00	49.15 0.83 0.00	70.11 1.33 0.00	53.82 0.95 0.00	54.55 1.02 0.00	57.04 0.93 0.00	50.56 1.27 0.00	48.21 1.30 0.00	49.12 1.22 0.00	52.04 0.99 0.00	46.70 1.02 0.00	45.45 1.04 0.00	45.30 1.09 0.00

GILBOA___3 23758	40.48 0.57 0.00	36.35 0.54 0.00	29.22 0.43 0.00	29.40 0.42 0.00	30.17 0.44 0.00	37.98 0.54 0.00	46.75 0.68 0.00	47.16 0.75 0.00	47.75 0.80 0.00	48.06 0.79 0.00	44.33 0.71 0.00	46.75 0.74 0.00	49.15 0.83 0.00	70.11 1.33 0.00	53.82 0.95 0.00	54.55 1.02 0.00	57.04 0.93 0.00	50.56 1.27 0.00	48.21 1.30 0.00	49.12 1.22 0.00	52.04 0.99 0.00	46.70 1.02 0.00	45.45 1.04 0.00	45.30 1.09 0.00
GILBOA___4 23759	40.48 0.57 0.00	36.35 0.54 0.00	29.22 0.43 0.00	29.40 0.42 0.00	30.17 0.44 0.00	37.98 0.54 0.00	46.75 0.68 0.00	47.16 0.75 0.00	47.75 0.80 0.00	48.06 0.79 0.00	44.33 0.71 0.00	46.75 0.74 0.00	49.15 0.83 0.00	70.11 1.33 0.00	53.82 0.95 0.00	54.55 1.02 0.00	57.04 0.93 0.00	50.56 1.27 0.00	48.21 1.30 0.00	49.12 1.22 0.00	52.04 0.99 0.00	46.70 1.02 0.00	45.45 1.04 0.00	45.30 1.09 0.00
GILBOA___ 23599	40.48 0.57 0.00	36.35 0.54 0.00	29.22 0.43 0.00	29.40 0.42 0.00	30.17 0.44 0.00	37.98 0.54 0.00	46.75 0.68 0.00	47.16 0.76 0.00	47.75 0.80 0.00	48.06 0.78 0.00	44.33 0.71 0.00	46.75 0.75 0.00	49.15 0.83 0.00	70.11 1.33 0.00	53.82 0.95 0.00	54.55 1.02 0.00	57.05 0.93 0.00	50.56 1.27 0.00	48.21 1.31 0.00	49.13 1.23 0.00	52.04 0.99 0.00	46.71 1.03 0.00	45.46 1.05 0.00	45.30 1.09 0.00
GINNA___ 23603	37.35 -2.56 0.00	33.45 -2.37 0.00	26.90 -1.90 0.00	27.09 -1.88 0.00	27.83 -1.90 0.00	35.14 -2.30 0.00	43.54 -2.53 0.00	43.91 -2.49 0.00	44.45 -2.50 0.00	44.90 -2.38 0.00	41.58 -2.04 0.00	43.82 -2.19 0.00	45.88 -2.43 0.00	65.11 -3.66 0.00	50.10 -2.78 0.00	50.49 -3.04 0.00	53.03 -3.09 0.00	46.63 -2.66 0.00	44.52 -2.39 0.00	45.45 -2.45 0.00	47.91 -3.15 0.00	42.75 -2.94 0.00	41.52 -2.90 0.00	41.05 -3.16 0.00
GLEN PARK___ 23778	41.68 1.78 0.00	37.31 1.50 0.00	29.78 0.98 0.00	29.55 0.58 0.00	30.08 0.35 0.00	38.25 0.81 0.00	47.38 1.32 0.00	47.98 1.58 0.00	48.42 1.48 0.00	48.82 1.54 0.00	45.61 1.99 0.00	47.90 1.90 0.00	50.77 2.46 0.00	72.26 3.49 0.00	54.47 1.59 0.00	54.05 0.52 0.00	57.27 1.16 0.00	49.92 0.63 0.00	47.26 0.35 0.00	48.02 0.12 0.00	51.78 0.72 0.00	46.10 0.41 0.00	44.68 0.26 0.00	44.22 0.02 0.00
GLENDALE_27_KV_LOAD 356172	41.58 1.68 0.00	37.28 1.46 0.00	29.90 1.10 0.00	30.04 1.06 0.00	30.80 1.07 0.00	38.81 1.37 0.00	47.84 1.78 0.00	48.50 2.10 0.00	49.39 2.44 0.00	50.01 2.74 0.00	85.85 2.91 -39.33	57.08 3.05 -8.01	51.62 3.31 0.00	73.12 4.35 0.00	56.50 3.62 0.00	57.42 3.89 0.00	60.54 4.43 0.00	53.67 4.38 0.00	51.37 4.47 0.00	51.96 4.06 0.00	54.51 3.46 0.00	48.82 3.14 0.00	47.71 3.30 0.00	47.53 3.32 0.00
GLENWOOD_IC_1_G5 23712	41.55 1.65 0.00	37.28 1.46 0.00	29.92 1.13 0.00	30.11 1.13 0.00	30.89 1.16 0.00	38.83 1.40 0.00	47.77 1.70 0.00	48.40 2.00 0.00	49.01 2.06 0.00	49.52 2.24 0.00	85.11 2.50 -38.99	56.75 2.80 -7.94	51.46 3.14 0.00	72.83 4.05 0.00	56.25 3.37 0.00	57.19 3.67 0.00	60.26 4.15 0.00	53.43 4.14 0.00	51.02 4.12 0.00	51.76 3.85 0.00	54.25 3.20 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.40 3.20 0.00
GLENWOOD_IC_2_G1 23688	41.39 1.49 0.00	37.13 1.32 0.00	29.80 1.00 0.00	29.97 0.99 0.00	30.74 1.02 0.00	38.67 1.23 0.00	47.60 1.54 0.00	48.22 1.82 0.00	49.07 2.12 0.00	49.58 2.31 0.00	85.13 2.52 -38.99	56.70 2.75 -7.94	51.39 3.08 0.00	72.76 3.98 0.00	56.17 3.30 0.00	57.11 3.59 0.00	60.20 4.08 0.00	53.39 4.10 0.00	51.03 4.12 0.00	51.73 3.83 0.00	54.25 3.20 0.00	48.53 2.85 0.00	47.36 2.94 0.00	47.20 2.99 0.00
GLENWOOD_IC_3_G1 23689	41.39 1.49 0.00	37.13 1.32 0.00	29.80 1.00 0.00	29.97 0.99 0.00	30.74 1.02 0.00	38.67 1.23 0.00	47.60 1.54 0.00	48.22 1.82 0.00	49.07 2.12 0.00	49.58 2.31 0.00	85.13 2.52 -38.99	56.70 2.75 -7.94	51.39 3.08 0.00	72.76 3.98 0.00	56.17 3.30 0.00	57.11 3.59 0.00	60.20 4.08 0.00	53.39 4.10 0.00	51.03 4.12 0.00	51.73 3.83 0.00	54.25 3.20 0.00	48.53 2.85 0.00	47.36 2.94 0.00	47.20 2.99 0.00
GLENWOOD___4 23550	41.55 1.65 0.00	37.28 1.46 0.00	29.92 1.13 0.00	30.11 1.13 0.00	30.89 1.16 0.00	38.83 1.40 0.00	47.77 1.70 0.00	48.41 2.01 0.00	49.12 2.17 0.00	49.64 2.36 0.00	85.21 2.61 -38.99	56.86 2.91 -7.94	51.58 3.27 0.00	72.99 4.21 0.00	56.37 3.49 0.00	57.32 3.79 0.00	60.40 4.28 0.00	53.55 4.26 0.00	51.13 4.23 0.00	51.88 3.98 0.00	54.36 3.30 0.00	48.64 2.96 0.00	47.49 3.08 0.00	47.40 3.20 0.00
GLENWOOD___5 23614	41.55 1.65 0.00	37.28 1.46 0.00	29.92 1.13 0.00	30.11 1.13 0.00	30.89 1.16 0.00	38.83 1.40 0.00	47.77 1.70 0.00	48.41 2.01 0.00	49.12 2.17 0.00	49.64 2.36 0.00	85.21 2.61 -38.99	56.86 2.91 -7.94	51.58 3.27 0.00	72.99 4.21 0.00	56.37 3.49 0.00	57.32 3.79 0.00	60.40 4.28 0.00	53.55 4.26 0.00	51.13 4.23 0.00	51.88 3.98 0.00	54.36 3.30 0.00	48.64 2.96 0.00	47.49 3.08 0.00	47.40 3.20 0.00
GLOBAL GREEN_PORT_GT1 23814	42.57 2.67 0.00	38.44 2.62 0.00	31.10 2.30 0.00	31.53 2.56 0.00	32.38 2.65 0.00	40.42 2.98 0.00	49.09 3.03 0.00	49.73 3.34 0.00	50.80 3.85 0.00	51.09 3.81 0.00	86.72 4.11 -38.99	58.29 4.34 -7.94	52.87 4.56 0.00	73.91 5.14 0.00	56.95 4.07 0.00	57.68 4.16 0.00	60.86 4.75 0.00	53.88 4.59 0.00	50.94 4.03 0.00	51.56 3.66 0.00	53.75 2.70 0.00	48.23 2.54 0.00	47.22 2.81 0.00	46.82 2.61 0.00
GLOBE___DSASP 323697	37.26 -2.64 0.00	33.40 -2.41 0.00	26.92 -1.88 0.00	27.16 -1.82 0.00	27.93 -1.80 0.00	35.18 -2.25 0.00	43.64 -2.42 0.00	43.99 -2.41 0.00	44.46 -2.49 0.00	45.00 -2.28 0.00	41.69 -1.92 0.00	43.78 -2.23 0.00	45.63 -2.69 0.00	64.40 -4.37 0.00	49.58 -3.30 0.00	42.69 -4.24 6.60	46.33 -4.58 5.21	33.44 -4.16 11.69	37.22 -3.60 6.09	36.73 -3.74 7.43	33.37 -4.88 12.80	30.54 -3.89 11.26	33.73 -3.57 7.12	40.06 -4.14 0.00
GOETHSLN___LBMP 323567	41.20 1.30 0.00	36.94 1.12 0.00	29.61 0.81 0.00	29.75 0.77 0.00	30.51 0.78 0.00	38.44 1.01 0.00	47.39 1.33 0.00	48.00 1.61 0.01	47.04 1.92 1.83	45.73 2.17 3.72	44.13 2.32 1.81	56.53 2.51 -8.01	51.14 2.82 0.00	72.46 3.69 0.00	55.94 3.07 0.00	56.91 3.38 0.00	60.05 3.94 0.00	53.28 4.00 0.00	50.98 4.07 0.00	51.58 3.67 0.00	54.13 3.08 0.00	48.39 2.71 0.00	47.30 2.88 0.00	47.08 2.88 0.00
GOLAH___69_KV_TB 1_2 80279	39.17 -0.74 0.00	35.08 -0.73 0.00	28.21 -0.59 0.00	28.45 -0.53 0.00	29.21 -0.51 0.00	36.88 -0.56 0.00	45.77 -0.30 0.00	46.22 -0.18 0.00	46.82 -0.13 0.00	47.30 0.03 0.00	43.85 0.23 0.00	46.18 0.17 0.00	48.19 -0.13 0.00	68.40 -0.38 0.00	52.57 -0.30 0.00	52.91 -0.61 0.00	55.55 -0.57 0.00	48.95 -0.33 0.00	46.78 -0.13 0.00	47.78 -0.13 0.00	50.26 -0.79 0.00	44.84 -0.85 0.00	43.57 -0.85 0.00	42.96 -1.24 0.00

GOODYEAR_LAKE_HYD 323669	40.84 0.93 0.00	36.65 0.83 0.00	29.40 0.61 0.00	29.57 0.59 0.00	30.34 0.62 0.00	38.26 0.82 0.00	47.22 1.16 0.00	47.65 1.25 0.00	48.24 1.29 0.00	48.59 1.31 0.00	44.91 1.30 0.00	47.45 1.44 0.00	49.95 1.63 0.00	71.23 2.45 0.00	54.76 1.88 0.00	55.52 2.00 0.00	58.26 2.15 0.00	51.55 2.26 0.00	49.21 2.30 0.00	50.08 2.17 0.00	52.94 1.89 0.00	47.23 1.55 0.00	45.90 1.49 0.00	45.66 1.45 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	39.61 -0.30 0.00	35.62 -0.19 0.00	28.56 -0.24 0.00	28.76 -0.22 0.00	29.56 -0.17 0.00	37.27 -0.17 0.00	45.94 -0.13 0.00	46.26 -0.14 0.00	46.80 -0.15 0.00	47.15 -0.13 0.00	43.67 0.05 0.00	46.08 0.07 0.00	48.49 0.17 0.00	69.21 0.43 0.00	53.27 0.39 0.00	54.89 0.26 -1.10	57.28 0.29 -0.87	51.88 0.64 -1.95	48.75 0.83 -1.02	49.92 0.77 -1.24	53.47 0.28 -2.14	47.62 0.04 -1.89	45.65 0.05 -1.19	44.12 -0.08 0.00
GOUDEY___7 23579	39.61 -0.30 0.00	35.62 -0.19 0.00	28.56 -0.24 0.00	28.76 -0.22 0.00	29.56 -0.17 0.00	37.27 -0.17 0.00	45.94 -0.13 0.00	46.26 -0.14 0.00	46.80 -0.15 0.00	47.15 -0.13 0.00	43.67 0.05 0.00	46.08 0.07 0.00	48.49 0.17 0.00	69.21 0.43 0.00	53.27 0.39 0.00	54.89 0.26 -1.10	57.28 0.29 -0.87	51.88 0.64 -1.95	48.75 0.83 -1.02	49.92 0.77 -1.24	53.47 0.28 -2.14	47.62 0.04 -1.89	45.65 0.05 -1.19	44.12 -0.08 0.00
GOUDEY___8 23580	39.61 -0.30 0.00	35.62 -0.19 0.00	28.56 -0.24 0.00	28.76 -0.22 0.00	29.56 -0.17 0.00	37.27 -0.17 0.00	45.94 -0.13 0.00	46.26 -0.14 0.00	46.80 -0.15 0.00	47.15 -0.13 0.00	43.67 0.05 0.00	46.08 0.07 0.00	48.49 0.17 0.00	69.21 0.43 0.00	53.27 0.39 0.00	54.89 0.26 -1.10	57.28 0.29 -0.87	51.88 0.64 -1.95	48.75 0.83 -1.02	49.92 0.77 -1.24	53.47 0.28 -2.14	47.62 0.04 -1.89	45.65 0.05 -1.19	44.12 -0.08 0.00
GOWANUS_GT1_1 24077	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_2 24078	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_3 24079	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_4 24080	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_5 24084	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_6 24111	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_7 24112	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT1_8 24113	41.29 1.39 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.42 0.00	48.09 1.69 0.00	48.91 1.95 0.00	49.52 2.24 0.00	85.38 2.43 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.01 3.14 0.00	56.96 3.43 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.10 4.19 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.54 2.86 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT2_1 24114	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT2_2 24115	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT2_3 24116	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00

GOWANUS_GT2_4 24117	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT2_5 24118	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT2_6 24119	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT2_7 24120	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT2_8 24121	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT3_1 24122	41.28 1.38 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.41 0.00	48.09 1.69 0.00	48.91 1.96 0.00	49.52 2.24 0.00	85.40 2.45 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.02 3.14 0.00	56.95 3.43 0.00	60.10 3.99 0.00	53.30 4.01 0.00	51.09 4.19 0.00	51.61 3.71 0.00	54.15 3.10 0.00	48.54 2.85 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT3_2 24123	41.28 1.38 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.41 0.00	48.09 1.69 0.00	48.91 1.96 0.00	49.52 2.24 0.00	85.40 2.45 -39.33	56.57 2.55 -8.01	51.15 2.84 0.00	72.37 3.59 0.00	56.02 3.14 0.00	56.95 3.43 0.00	60.10 3.99 0.00	53.30 4.01 0.00	51.09 4.19 0.00	51.61 3.71 0.00	54.15 3.10 0.00	48.54 2.85 0.00	47.42 3.01 0.00	47.22 3.02 0.00
GOWANUS_GT3_3 24124	41.28 1.38 0.00	37.02 1.21 0.00	29.69 0.90 0.00	29.84 0.86 0.00	30.60 0.87 0.00	38.56 1.12 0.00	47.48 1.41 0.00	48.09 1.69 0.00	48.91 1.96 0.00															

GOWANUS_GT4_3 24132	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT4_4 24133	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT4_5 24134	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT4_6 24135	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT4_7 24136	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GOWANUS_GT4_8 24137	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GREENBSH_115KV_TB3 55895	40.56 0.65 0.00	36.47 0.66 0.00	29.38 0.58 0.00	29.55 0.58 0.00	30.32 0.59 0.00	38.16 0.73 0.00	46.91 0.84 0.00	47.23 0.84 0.00	47.71 0.76 0.00	47.84 0.57 0.00	43.83 0.21 0.00	46.19 0.18 0.00	48.51 0.20 0.00	69.46 0.68 0.00	53.28 0.40 0.00	54.10 0.57 0.00	56.64 0.53 0.00	50.19 0.90 0.00	47.89 0.99 0.00	48.78 0.88 0.00	51.81 0.76 0.00	46.40 0.72 0.00	45.11 0.70 0.00	45.08 0.87 0.00
GREENDGE_115KV_TB5 80291	39.36 -0.54 0.00	35.34 -0.47 0.00	28.30 -0.50 0.00	28.48 -0.50 0.00	29.30 -0.43 0.00	37.02 -0.42 0.00	45.88 -0.19 0.00	46.43 0.03 0.00	46.84 -0.11 0.00	47.26 -0.02 0.00	43.84 0.22 0.00	46.22 0.21 0.00	48.53 0.22 0.00	68.03 -0.75 0.00	52.39 -0.49 0.00	65.39 0.03 -11.84	65.58 0.11 -9.35	70.20 0.03 -20.88	57.79 -0.05 -10.93	61.16 -0.04 -13.30	72.94 -1.04 -22.92	64.84 -1.05 -20.21	56.12 -1.07 -12.77	43.38 -0.83 0.00
GREENIDGE___3 23582	39.36 -0.54 0.00	35.34 -0.47 0.00	28.30 -0.50 0.00	28.48 -0.50 0.00	29.30 -0.43 0.00	37.02 -0.42 0.00	45.88 -0.19 0.00	46.43 0.03 0.00	46.84 -0.11 0.00	47.26 -0.02 0.00	43.84 0.22 0.00	46.22 0.21 0.00	48.53 0.22 0.00	68.03 -0.75 0.00	52.39 -0.49 0.00	65.39 0.03 -11.84	65.58 0.11 -9.35	70.20 0.03 -20.88	57.79 -0.05 -10.93	61.16 -0.04 -13.30	72.94 -1.04 -22.92	64.84 -1.05 -20.21	56.12 -1.07 -12.77	43.38 -0.83 0.00
GREENIDGE___4 23583	39.37 -0.54 0.00	35.34 -0.47 0.00	28.30 -0.50 0.00	28.48 -0.50 0.00	29.30 -0.43 0.00	37.02 -0.42 0.00	45.87 -0.19 0.00	46.43 0.03 0.00	46.84 -0.11 0.00	47.26 -0.02 0.00	43.83 0.21 0.00	46.22 0.22 0.00	48.54 0.22 0.00	68.03 -0.75 0.00	52.38 -0.49 0.00	65.39 0.03 -11.84	65.58 0.11 -9.35	70.20 0.03 -20.88	57.79 -0.05 -10.93	61.17 -0.03 -13.30	72.95 -1.03 -22.92	64.84 -1.06 -20.21	56.13 -1.06 -12.77	43.38 -0.83 0.00
GREENLWN_69_KV_BK 3 55738	41.45 1.54 0.00	37.27 1.46 0.00	29.99 1.19 0.00	30.23 1.26 0.00	31.04 1.32 0.00	38.89 1.45 0.00	47.65 1.58 0.00	48.24 1.84 0.00	49.25 2.29 0.00	49.57 2.29 0.00	85.29 2.68 -38.99	56.93 2.98 -7.94	51.73 3.41 0.00	72.69 3.91 0.00	56.03 3.15 0.00	56.90 3.38 0.00	59.91 3.79 0.00	53.19 3.90 0.00	50.76 3.86 0.00	51.54 3.64 0.00	53.92 2.87 0.00	48.37 2.68 0.00	47.29 2.87 0.00	47.15 2.95 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.87 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.51 1.44 0.00	48.11 1.71 0.00	48.93 1.98 0.00	49.53 2.25 0.00	85.39 2.45 -39.33	56.60 2.58 -8.01	51.17 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.14 4.03 0.00	53.34 4.05 0.00	51.12 4.22 0.00	51.63 3.73 0.00	54.19 3.14 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
GRISSOM___SOLAR 323813	41.54 1.63 0.00	37.25 1.44 0.00	29.95 1.15 0.00	30.10 1.12 0.00	30.85 1.12 0.00	38.94 1.50 0.00	48.16 2.09 0.00	48.45 2.06 0.00	48.69 1.74 0.00	48.28 1.00 0.00	43.78 0.16 0.00	46.75 0.75 0.00	49.54 1.23 0.00	71.43 2.65 0.00	55.33 2.45 0.00	56.00 2.48 0.00	58.95 2.83 0.00	51.89 2.60 0.00	49.36 2.45 0.00	50.45 2.55 0.00	53.45 2.40 0.00	47.81 2.13 0.00	46.34 1.93 0.00	46.01 1.80 0.00
GROVEVILLE___HYD 323602	41.46 1.56 0.00	37.16 1.35 0.00	29.82 1.02 0.00	29.99 1.01 0.00	30.76 1.03 0.00	38.75 1.31 0.00	47.76 1.70 0.00	48.36 1.96 0.00	49.13 2.18 0.00	49.65 2.37 0.00	45.99 2.37 0.00	48.55 2.55 0.00	51.22 2.91 0.00	72.90 4.12 0.00	56.24 3.37 0.00	57.24 3.72 0.00	60.31 4.20 0.00	53.52 4.23 0.00	51.18 4.27 0.00	51.90 4.00 0.00	54.56 3.51 0.00	48.71 3.03 0.00	47.45 3.03 0.00	47.19 2.99 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.93 -0.35 0.00	43.44 -0.18 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.45 0.54 0.00	48.43 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.43 0.02 0.00	44.12 -0.08 0.00

HAMLTNNY_34_KV_TB 80303	39.88 -0.03 0.00	35.79 -0.02 0.00	28.75 -0.05 0.00	28.91 -0.07 0.00	29.71 -0.02 0.00	37.46 0.02 0.00	46.21 0.15 0.00	46.54 0.14 0.00	46.94 -0.01 0.00	47.26 -0.02 0.00	43.75 0.13 0.00	46.16 0.15 0.00	48.54 0.23 0.00	69.08 0.30 0.00	53.13 0.25 0.00	53.85 0.33 0.00	56.53 0.41 0.00	49.89 0.60 0.00	47.62 0.72 0.00	48.64 0.74 0.00	51.39 0.34 0.00	45.83 0.14 0.00	44.53 0.11 0.00	44.21 0.00 0.00
HAMPSHIRE___PAPER_HYD 323593	40.84 0.93 0.00	36.59 0.77 0.00	29.34 0.54 0.00	29.32 0.34 0.00	29.94 0.22 0.00	37.93 0.49 0.00	46.78 0.72 0.00	47.21 0.81 0.00	47.68 0.73 0.00	48.04 0.76 0.00	44.61 0.99 0.00	46.92 0.92 0.00	49.42 1.10 0.00	69.99 1.21 0.00	53.19 0.31 0.00	52.83 -0.70 0.00	55.60 -0.52 0.00	48.25 -1.04 0.00	45.67 -1.24 0.00	46.56 -1.34 0.00	50.44 -0.61 0.00	45.18 -0.51 0.00	43.99 -0.43 0.00	43.87 -0.34 0.00
HARDSCRABBLE_WT_PWR 323673	40.63 0.72 0.00	36.45 0.64 0.00	29.34 0.55 0.00	29.53 0.55 0.00	30.30 0.57 0.00	38.26 0.82 0.00	47.15 1.08 0.00	47.36 0.96 0.00	47.79 0.84 0.00	47.62 0.34 0.00	43.06 -0.56 0.00	45.85 -0.15 0.00	48.43 0.12 0.00	69.93 1.15 0.00	53.79 0.91 0.00	54.90 1.37 0.00	57.36 1.25 0.00	50.77 1.48 0.00	48.41 1.51 0.00	49.60 1.70 0.00	52.50 1.45 0.00	46.92 1.24 0.00	45.47 1.05 0.00	45.16 0.96 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	41.19 1.28 0.00	36.93 1.12 0.00	29.62 0.82 0.00	29.76 0.79 0.00	30.54 0.81 0.00	38.47 1.03 0.00	47.44 1.37 0.00	48.02 1.63 0.00	48.81 1.85 0.00	49.35 2.07 0.00	4.01 2.15 41.76	39.81 2.32 8.51	51.09 2.78 0.00	72.71 3.93 0.00	56.10 3.22 0.00	57.03 3.50 0.00	60.13 4.02 0.00	53.31 4.02 0.00	50.97 4.07 0.00	51.68 3.78 0.00	54.24 3.18 0.00	48.37 2.69 0.00	47.13 2.72 0.00	46.84 2.64 0.00
HARSNRAD_115KV_TB1 81005	37.65 -2.26 0.00	33.74 -2.07 0.00	27.17 -1.63 0.00	27.41 -1.57 0.00	28.19 -1.53 0.00	35.54 -1.90 0.00	44.15 -1.91 0.00	44.53 -1.87 0.00	45.03 -1.92 0.00	45.59 -1.69 0.00	42.27 -1.35 0.00	44.32 -1.69 0.00	46.03 -2.28 0.00	65.03 -3.75 0.00	49.98 -2.90 0.00	43.47 -3.40 6.66	47.14 -3.71 5.26	34.53 -3.02 11.73	37.99 -2.77 6.15	37.59 -2.83 7.47	34.49 -3.68 12.89	31.02 -3.30 11.37	34.39 -2.84 7.19	40.84 -3.36 0.00
HARZA MOOSE___RIVER 24016	41.08 1.18 0.00	36.77 0.96 0.00	29.46 0.66 0.00	29.39 0.42 0.00	30.00 0.28 0.00	38.00 0.57 0.00	46.96 0.90 0.00	47.35 0.95 0.00	47.94 0.99 0.00	48.17 0.89 0.00	44.72 1.10 0.00	47.16 1.15 0.00	49.80 1.49 0.00	70.97 2.19 0.00	54.09 1.21 0.00	54.18 0.66 0.00	57.14 1.02 0.00	49.96 0.68 0.00	47.34 0.44 0.00	48.22 0.32 0.00	51.50 0.45 0.00	45.95 0.27 0.00	44.62 0.20 0.00	44.28 0.07 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	39.42 -0.49 0.00	35.37 -0.44 0.00	28.42 -0.38 0.00	28.60 -0.38 0.00	29.35 -0.37 0.00	37.00 -0.44 0.00	45.60 -0.47 0.00	45.89 -0.51 0.00	46.42 -0.54 0.00	46.76 -0.52 0.00	43.25 -0.36 0.00	45.64 -0.36 0.00	47.96 -0.35 0.00	68.27 -0.50 0.00	52.49 -0.39 0.00	53.11 -0.42 0.00	55.72 -0.40 0.00	49.13 -0.16 0.00	46.88 -0.03 0.00	47.80 -0.10 0.00	50.61 -0.44 0.00	45.20 -0.48 0.00	43.91 -0.50 0.00	43.59 -0.61 0.00
HELLGATE_13_KV_LD 55870	41.65 1.75 0.00	37.33 1.51 0.00	29.95 1.15 0.00	30.08 1.11 0.00	30.86 1.13 0.00	38.87 1.43 0.00	47.92 1.86 0.00	48.58 2.18 0.00	49.44 2.49 0.00	50.05 2.78 0.00	85.92 2.97 -39.33	57.16 3.14 -8.01	51.70 3.39 0.00	73.22 4.44 0.00	56.56 3.68 0.00	57.48 3.96 0.00	60.61 4.50 0.00	53.75 4.46 0.00	51.45 4.55 0.00	52.04 4.14 0.00	54.59 3.53 0.00	48.89 3.21 0.00	47.77 3.35 0.00	47.58 3.38 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	41.65 1.75 0.00	37.33 1.51 0.00	29.95 1.15 0.00	30.08 1.11 0.00	30.86 1.13 0.00	38.87 1.43 0.00	47.92 1.86 0.00	48.58 2.18 0.00	49.44 2.49 0.00	50.05 2.78 0.00	85.92 2.97 -39.33	57.16 3.14 -8.01	51.70 3.39 0.00	73.22 4.44 0.00	56.56 3.68 0.00	57.48 3.96 0.00	60.61 4.50 0.00	53.75 4.46 0.00	51.45 4.55 0.00	52.04 4.14 0.00	54.59 3.53 0.00	48.89 3.21 0.00	47.77 3.35 0.00	47.58 3.38 0.00
HEMPSTEAD___ 23647	41.41 1.51 0.00	37.18 1.37 0.00	29.87 1.08 0.00	30.09 1.11 0.00	30.87 1.14 0.00	38.73 1.29 0.00	47.60 1.53 0.00	48.25 1.85 0.00	49.10 2.15 0.00	49.57 2.29 0.00	85.16 2.55 -38.99	56.78 2.83 -7.94	51.54 3.23 0.00	72.73 3.95 0.00	56.18 3.30 0.00	57.15 3.62 0.00	60.20 4.08 0.00	53.41 4.12 0.00	50.97 4.06 0.00	51.74 3.84 0.00	54.20 3.15 0.00	48.54 2.86 0.00	47.39 2.98 0.00	47.25 3.05 0.00
HICKLING___1 23621	39.01 -0.90 0.00	35.11 -0.70 0.00	28.06 -0.74 0.00	28.26 -0.72 0.00	29.11 -0.62 0.00	36.74 -0.70 0.00	45.44 -0.63 0.00	46.08 -0.32 0.00	46.66 -0.30 0.00	47.09 -0.19 0.00	43.67 0.05 0.00	46.15 0.15 0.00	48.58 0.26 0.00	69.00 0.22 0.00	52.83 -0.05 0.00	57.83 -0.38 -4.69	59.44 -0.38 -3.70	57.87 0.31 -8.27	51.83 0.60 -4.33	53.70 0.54 -5.26	59.86 -0.27 -9.08	53.09 -0.59 -8.00	48.85 -0.62 -5.06	43.33 -0.88 0.00
HICKLING___2 23622	39.01 -0.90 0.00	35.11 -0.70 0.00	28.06 -0.74 0.00	28.26 -0.72 0.00	29.11 -0.62 0.00	36.74 -0.70 0.00	45.44 -0.63 0.00	46.08 -0.32 0.00	46.66 -0.30 0.00	47.09 -0.19 0.00	43.67 0.05 0.00	46.15 0.15 0.00	48.58 0.26 0.00	69.00 0.22 0.00	52.83 -0.05 0.00	57.83 -0.38 -4.69	59.44 -0.38 -3.70	57.87 0.31 -8.27	51.83 0.60 -4.33	53.70 0.54 -5.26	59.86 -0.27 -9.08	53.09 -0.59 -8.00	48.85 -0.62 -5.06	43.33 -0.88 0.00
HIGH FALLS___HY 23754	41.22 1.32 0.00	36.94 1.13 0.00	29.62 0.82 0.00	29.77 0.80 0.00	30.54 0.82 0.00	38.48 1.05 0.00	47.53 1.46 0.00	48.14 1.74 0.00	48.94 1.99 0.00	49.54 2.26 0.00	36.24 2.30 9.68	46.33 2.46 2.14	51.09 2.78 0.00	72.92 4.14 0.00	56.27 3.40 0.00	57.31 3.79 0.00	60.49 4.37 0.00	53.67 4.38 0.00	51.32 4.41 0.00	52.09 4.18 0.00	54.74 3.69 0.00	48.80 3.11 0.00	47.49 3.08 0.00	47.16 2.95 0.00
HIGH_RIVER___SOLAR 323847	41.08 1.17 0.00	36.85 1.04 0.00	29.64 0.84 0.00	29.81 0.83 0.00	30.58 0.85 0.00	38.55 1.12 0.00	47.55 1.48 0.00	47.80 1.40 0.00	48.15 1.20 0.00	48.00 0.72 0.00	43.91 0.29 0.00	46.47 0.46 0.00	49.04 0.73 0.00	70.65 1.87 0.00	54.45 1.57 0.00	55.21 1.69 0.00	58.01 1.89 0.00	51.18 1.89 0.00	48.76 1.85 0.00	49.80 1.90 0.00	52.82 1.77 0.00	47.26 1.57 0.00	45.88 1.47 0.00	45.64 1.43 0.00
HILLBURN___GT 23639	41.05 1.15 0.00	36.84 1.02 0.00	29.52 0.73 0.00	29.67 0.70 0.00	30.44 0.72 0.00	38.35 0.91 0.00	47.31 1.24 0.00	47.90 1.51 0.00	48.68 1.73 0.00	49.22 1.95 0.00	0.74 2.06 44.93	39.02 2.17 9.15	50.94 2.63 0.00	72.41 3.64 0.00	55.87 2.99 0.00	56.82 3.30 0.00	59.95 3.84 0.00	53.20 3.91 0.00	50.85 3.95 0.00	51.52 3.62 0.00	54.07 3.01 0.00	48.23 2.54 0.00	47.04 2.62 0.00	46.77 2.56 0.00

HILLSIDE_115KV_TB1 80332	38.62 -1.29 0.00	34.82 -0.99 0.00	27.85 -0.95 0.00	28.05 -0.93 0.00	28.90 -0.83 0.00	36.44 -0.99 0.00	45.00 -1.07 0.00	45.67 -0.72 0.00	46.23 -0.72 0.00	46.58 -0.70 0.00	43.18 -0.44 0.00	45.59 -0.42 0.00	48.05 -0.26 0.00	68.41 -0.37 0.00	52.36 -0.51 0.00	56.42 -0.83 -3.73	58.16 -0.90 -2.95	55.65 -0.21 -6.57	50.42 0.07 -3.44	52.11 0.02 -4.19	57.52 -0.75 -7.22	51.03 -1.02 -6.36	47.44 -1.00 -4.02	43.00 -1.21 0.00
HISHELDN_WT_PWR 323625	37.73 -2.17 0.00	33.80 -2.01 0.00	27.11 -1.69 0.00	27.32 -1.66 0.00	28.09 -1.64 0.00	35.44 -1.99 0.00	44.10 -1.97 0.00	44.63 -1.77 0.00	45.13 -1.82 0.00	45.72 -1.56 0.00	42.37 -1.25 0.00	44.68 -1.32 0.00	46.66 -1.65 0.00	66.14 -2.64 0.00	50.80 -2.07 0.00	28.81 -2.70 22.01	35.76 -2.97 17.39	8.26 -2.20 38.83	24.75 -1.84 20.32	21.23 -1.95 24.72	5.50 -2.93 42.62	5.39 -2.72 37.58	18.01 -2.65 23.75	41.08 -3.12 0.01
HOLTSVILLE_IC_1 23690	41.48 1.58 0.00	37.35 1.54 0.00	30.12 1.32 0.00	30.43 1.46 0.00	31.24 1.51 0.00	39.06 1.62 0.00	47.66 1.59 0.00	48.20 1.80 0.00	49.15 2.20 0.00	49.38 2.10 0.00	85.16 2.55 -38.99	56.75 2.80 -7.94	51.59 3.28 0.00	72.31 3.54 0.00	55.76 2.89 0.00	56.54 3.02 0.00	59.47 3.36 0.00	52.88 3.59 0.00	50.43 3.53 0.00	51.18 3.27 0.00	53.51 2.46 0.00	48.16 2.48 0.00	47.19 2.77 0.00	46.99 2.78 0.00
HOLTSVILLE_IC_10 23699	41.68 1.77 0.00	37.50 1.69 0.00	30.24 1.45 0.00	30.57 1.59 0.00	31.38 1.65 0.00	39.22 1.78 0.00	47.85 1.78 0.00	48.40 2.00 0.00	49.40 2.45 0.00	49.61 2.33 0.00	85.41 2.80 -38.99	57.05 3.10 -7.94	51.93 3.62 0.00	72.80 4.02 0.00	56.20 3.32 0.00	56.97 3.45 0.00	59.88 3.76 0.00	53.24 3.95 0.00	50.76 3.85 0.00	51.51 3.61 0.00	53.85 2.80 0.00	48.46 2.78 0.00	47.49 3.07 0.00	47.27 3.06 0.00
HOLTSVILLE_IC_2 23691	41.48 1.58 0.00	37.35 1.54 0.00	30.12 1.32 0.00	30.43 1.46 0.00	31.24 1.51 0.00	39.06 1.62 0.00	47.66 1.59 0.00	48.20 1.80 0.00	49.15 2.20 0.00	49.38 2.10 0.00	85.16 2.55 -38.99	56.75 2.80 -7.94	51.59 3.28 0.00	72.31 3.54 0.00	55.76 2.89 0.00	56.54 3.02 0.00	59.47 3.36 0.00	52.88 3.59 0.00	50.43 3.53 0.00	51.18 3.27 0.00	53.51 2.46 0.00	48.16 2.48 0.00	47.19 2.77 0.00	46.99 2.78 0.00
HOLTSVILLE_IC_3 23692	41.48 1.58 0.00	37.35 1.54 0.00	30.12 1.32 0.00	30.43 1.46 0.00	31.24 1.51 0.00	39.06 1.62 0.00	47.66 1.59 0.00	48.20 1.80 0.00	49.15 2.20 0.00	49.38 2.10 0.00	85.16 2.55 -38.99	56.75 2.80 -7.94	51.59 3.28 0.00	72.31 3.54 0.00	55.76 2.89 0.00	56.54 3.02 0.00	59.47 3.36 0.00	52.88 3.59 0.00	50.43 3.53 0.00	51.18 3.27 0.00	53.51 2.46 0.00	48.16 2.48 0.00	47.19 2.77 0.00	46.99 2.78 0.00
HOLTSVILLE_IC_4 23693	41.48 1.58 0.00	37.35 1.54 0.00	30.12 1.32 0.00	30.43 1.46 0.00	31.24 1.51 0.00	39.06 1.62 0.00	47.66 1.59 0.00	48.20 1.80 0.00	49.15 2.20 0.00	49.38 2.10 0.00	85.16 2.55 -38.99	56.75 2.80 -7.94	51.59 3.28 0.00	72.31 3.54 0.00	55.76 2.89 0.00	56.54 3.02 0.00	59.47 3.36 0.00	52.88 3.59 0.00	50.43 3.53 0.00	51.18 3.27 0.00	53.51 2.46 0.00	48.16 2.48 0.00	47.19 2.77 0.00	46.99 2.78 0.00
HOLTSVILLE_IC_5 23694	41.48 1.58 0.00	37.35 1.54 0.00	30.12 1.32 0.00	30.43 1.46 0.00	31.24 1.51 0.00	39.06 1.62 0.00	47.66 1.59 0.00	48.20 1.80 0.00	49.15 2.20 0.00	49.38 2.10 0.00	85.16 2.55 -38.99	56.75 2.80 -7.94	51.59 3.28 0.00	72.31 3.54 0.00	55.76 2.89 0.00	56.54 3.02 0.00	59.47 3.36 0.00	52.88 3.59 0.00	50.43 3.53 0.00	51.18 3.27 0.00	53.51 2.46 0.00	48.16 2.48 0.00	47.19 2.77 0.00	46.99 2.78 0.00
HOLTSVILLE_IC_6 23695	41.68 1.77 0.00	37.50 1.69 0.00	30.24 1.45 0.00	30.57 1.59 0.00	31.38 1.65 0.00	39.22 1.78 0.00	47.85 1.78 0.00	48.40 2.00 0.00	49.40 2.45 0.00	49.61 2.33 0.00	85.41 2.80 -38.99	57.05 3.10 -7.94	51.93 3.62 0.00	72.80 4.02 0.00	56.20 3.32 0.00	56.97 3.45 0.00	59.88 3.76 0.00	53.24 3.95 0.00	50.76 3.85 0.00	51.51 3.61 0.00	53.85 2.80 0.00	48.46 2.78 0.00	47.49 3.07 0.00	47.27 3.06 0.00
HOLTSVILLE_IC_7 23696	41.68 1.77 0.00	37.50 1.69 0.00	30.24 1.45 0.00	30.57 1.59 0.00	31.38 1.65 0.00	39.22 1.78 0.00	47.85 1.78 0.00	48.40 2.00 0.00	49.40 2.45 0.00	49.61 2.33 0.00	85.41 2.80 -38.99	57.05 3.10 -7.94	51.93 3.62 0.00	72.80 4.02 0.00	56.20 3.32 0.00	56.97 3.45 0.00	59.88 3.76 0.00	53.24 3.95 0.00	50.76 3.85 0.00	51.51 3.61 0.00	53.85 2.80 0.00	48.46 2.78 0.00	47.49 3.07 0.00	47.27 3.06 0.00
HOLTSVILLE_IC_8 23697	41.68 1.77 0.00	37.50 1.69 0.00	30.24 1.45 0.00	30.57 1.59 0.00	31.38 1.65 0.00	39.22 1.78 0.00	47.85 1.78 0.00	48.40 2.00 0.00	49.40 2.45 0.00	49.61 2.33 0.00	85.41 2.80 -38.99	57.05 3.10 -7.94	51.93 3.62 0.00	72.80 4.02 0.00	56.20 3.32 0.00	56.97 3.45 0.00	59.88 3.76 0.00	53.24 3.95 0.00	50.76 3.85 0.00	51.51 3.61 0.00	53.85 2.80 0.00	48.46 2.78 0.00	47.49 3.07 0.00	47.27 3.06 0.00
HOLTSVILLE_IC_9 23698	41.68 1.77 0.00	37.50 1.69 0.00	30.24 1.45 0.00	30.57 1.59 0.00	31.38 1.65 0.00	39.22 1.78 0.00	47.85 1.78 0.00	48.40 2.00 0.00	49.40 2.45 0.00	49.61 2.33 0.00	85.41 2.80 -38.99	57.05 3.10 -7.94	51.93 3.62 0.00	72.80 4.02 0.00	56.20 3.32 0.00	56.97 3.45 0.00	59.88 3.76 0.00	53.24 3.95 0.00	50.76 3.85 0.00	51.51 3.61 0.00	53.85 2.80 0.00	48.46 2.78 0.00	47.49 3.07 0.00	47.27 3.06 0.00
HOMER_HL_115KV_TB2 355744	38.74 -1.17 0.00	35.15 -0.67 0.00	28.07 -0.72 0.00	28.36 -0.62 0.00	29.24 -0.48 0.00	36.85 -0.59 0.00	45.65 -0.42 0.00	46.30 -0.10 0.00	46.75 -0.20 0.00	47.56 0.29 0.00	44.12 0.50 0.00	46.03 0.02 0.00	48.19 -0.13 0.00	68.96 0.19 0.00	52.70 -0.18 0.00	52.93 -0.59 0.00	55.48 -0.63 0.00	49.76 0.46 -0.01	47.67 0.76 0.00	48.58 0.67 0.00	50.65 -0.41 0.00	44.64 -1.05 0.00	43.64 -0.78 0.00	43.06 -1.15 0.00
HOWARD_WT_PWR 323690	38.08 -1.83 0.00	34.18 -1.64 0.00	27.21 -1.59 0.00	27.25 -1.72 0.00	28.10 -1.62 0.00	35.63 -1.80 0.00	44.26 -1.81 0.00	44.81 -1.59 0.00	45.46 -1.49 0.00	46.33 -0.95 0.00	42.73 -0.89 0.00	45.14 -0.87 0.00	47.57 -0.75 0.00	66.98 -1.79 0.00	50.68 -2.19 0.00	76.00 -2.47 -24.95	73.42 -2.40 -19.71	92.09 -1.21 -44.01	69.15 -0.79 -23.03	75.19 -0.73 -28.02	97.51 -1.84 -48.30	86.36 -1.91 -42.58	69.38 -1.95 -26.92	41.61 -2.60 -0.01
HQ_GEN_CEDARS 23644	40.18 0.28 0.00	36.07 0.26 0.00	29.06 0.26 0.00	29.26 0.28 0.00	30.00 0.27 0.00	37.85 0.41 0.00	46.46 0.39 0.00	46.79 0.39 0.00	47.28 0.33 0.00	47.71 0.43 0.00	44.08 0.46 0.00	46.41 0.40 0.00	48.59 0.28 0.00	68.72 -0.06 0.00	52.86 -0.01 0.00	53.11 -0.41 0.00	55.63 -0.48 0.00	48.33 -0.96 0.00	45.82 -1.09 0.00	46.92 -0.98 0.00	50.77 -0.29 0.00	45.50 -0.19 0.00	44.22 -0.19 0.00	44.12 -0.09 0.00

HQ_GEN_CEDARS_PROXY 323590	38.45 0.28 1.73	36.07 0.26 0.00	29.06 0.26 0.00	29.26 0.28 0.00	30.00 0.27 0.00	37.85 0.41 0.00	46.46 0.39 0.00	46.79 0.39 0.00	47.28 0.33 0.00	47.71 0.43 0.00	44.08 0.47 0.00	46.41 0.41 0.00	48.59 0.28 0.00	68.72 -0.06 0.00	52.86 -0.01 0.00	53.12 -0.41 0.00	55.63 -0.49 0.00	48.33 -0.96 0.00	45.82 -1.09 0.00	46.92 -0.98 0.00	50.77 -0.28 0.00	45.50 -0.19 0.00	44.22 -0.19 0.00	44.12 -0.09 0.00
HQ_GEN_CHPE_PROXY 323851	39.66 1.47 1.72	37.08 1.27 0.00	29.74 0.94 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.17 0.00	47.60 1.54 0.00	48.24 1.84 0.00	49.11 2.16 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.73 2.71 -8.01	51.23 2.92 0.00	72.56 3.78 0.00	56.01 3.13 0.00	56.96 3.44 0.00	60.07 3.96 0.00	53.27 3.98 0.00	50.97 4.07 0.01	51.61 3.71 0.00	54.14 3.08 0.00	48.43 2.74 0.00	46.64 2.99 0.76	47.26 3.06 0.00
HQ_GEN_IMPORT 323601	38.31 0.12 1.72	35.91 0.10 0.00	28.89 0.09 0.00	29.09 0.12 0.00	29.83 0.11 0.00	37.61 0.17 0.00	46.23 0.17 0.00	46.58 0.18 0.00	47.12 0.17 0.00	47.51 0.23 0.00	43.82 0.20 0.00	46.20 0.19 0.00	48.43 0.12 0.00	68.78 0.00 0.00	52.92 0.05 0.00	53.45 -0.07 0.00	56.00 -0.11 0.00	48.79 -0.50 0.00	46.29 -0.62 0.00	47.42 -0.48 0.00	51.02 -0.03 0.00	45.67 -0.01 0.00	44.37 -0.04 0.00	44.19 -0.02 0.00
HQ_GEN_WHEEL 23651	38.31 0.12 1.72	35.91 0.10 0.00	28.89 0.09 0.00	29.09 0.12 0.00	29.83 0.11 0.00	37.61 0.17 0.00	46.23 0.17 0.00	46.58 0.18 0.00	47.12 0.17 0.00	47.51 0.23 0.00	43.82 0.20 0.00	46.20 0.19 0.00	48.43 0.12 0.00	68.78 0.00 0.00	52.92 0.05 0.00	53.45 -0.07 0.00	56.00 -0.11 0.00	48.79 -0.50 0.00	46.29 -0.62 0.00	47.42 -0.48 0.00	51.02 -0.03 0.00	45.67 -0.01 0.00	44.37 -0.04 0.00	44.19 -0.02 0.00
HUDSON AVE_GT_3 23810	41.48 1.57 0.00	37.17 1.36 0.00	29.80 1.01 0.00	29.96 0.98 0.00	30.72 0.99 0.00	38.70 1.27 0.00	47.73 1.66 0.00	48.37 1.98 0.00	49.26 2.31 0.00	49.85 2.57 0.00	85.64 2.69 -39.33	56.91 2.89 -8.01	51.46 3.15 0.00	72.94 4.16 0.00	56.29 3.41 0.00	57.25 3.72 0.00	60.39 4.27 0.00	53.56 4.27 0.00	51.25 4.34 0.00	51.87 3.97 0.00	54.40 3.35 0.00	48.65 2.97 0.00	47.59 3.17 0.00	47.39 3.19 0.00
HUDSON AVE_GT_4 23540	41.48 1.57 0.00	37.17 1.36 0.00	29.80 1.01 0.00	29.96 0.98 0.00	30.72 0.99 0.00	38.70 1.27 0.00	47.73 1.66 0.00	48.37 1.98 0.00	49.26 2.31 0.00	49.85 2.57 0.00	85.64 2.69 -39.33	56.91 2.89 -8.01	51.46 3.15 0.00	72.94 4.16 0.00	56.29 3.41 0.00	57.25 3.72 0.00	60.39 4.27 0.00	53.56 4.27 0.00	51.25 4.34 0.00	51.87 3.97 0.00	54.40 3.35 0.00	48.65 2.97 0.00	47.59 3.17 0.00	47.39 3.19 0.00
HUDSON AVE_GT_5 23657	41.48 1.57 0.00	37.17 1.36 0.00	29.80 1.01 0.00	29.96 0.98 0.00	30.72 0.99 0.00	38.70 1.27 0.00	47.73 1.66 0.00	48.37 1.98 0.00	49.26 2.31 0.00	49.85 2.57 0.00	85.64 2.69 -39.33	56.91 2.89 -8.01	51.46 3.15 0.00	72.94 4.16 0.00	56.29 3.41 0.00	57.25 3.72 0.00	60.39 4.27 0.00	53.56 4.27 0.00	51.25 4.34 0.00	51.87 3.97 0.00	54.40 3.35 0.00	48.65 2.97 0.00	47.59 3.17 0.00	47.39 3.19 0.00
HUDSON_AVE_10 24168	41.38 1.47 0.00	37.06 1.25 0.00	29.72 0.92 0.00	29.86 0.89 0.00	30.63 0.90 0.00	38.59 1.16 0.00	47.58 1.51 0.00	48.22 1.82 0.00	49.11 2.16 0.00	49.69 2.41 0.00	85.49 2.53 -39.33	56.76 2.74 -8.01	51.30 2.99 0.00	72.72 3.94 0.00	56.12 3.24 0.00	57.10 3.58 0.00	60.24 4.13 0.00	53.42 4.13 0.00	51.13 4.22 0.00	51.75 3.85 0.00	54.29 3.24 0.00	48.56 2.87 0.00	47.49 3.08 0.00	47.29 3.09 0.00
HUDSON___115KV_TB 4 355613	41.28 1.38 0.00	37.10 1.30 0.00	29.86 1.07 0.00	30.04 1.06 0.00	30.82 1.10 0.00	38.85 1.41 0.00	47.85 1.78 0.00	48.19 1.79 0.00	48.56 1.61 0.00	48.48 1.20 0.00	7.69 0.73 36.66	38.44 0.53 8.10	48.79 0.47 0.00	70.30 1.52 0.00	54.27 1.39 0.00	55.29 1.76 0.00	57.97 1.85 0.00	51.40 2.11 0.00	49.10 2.19 0.00	50.01 2.11 0.00	53.05 2.00 0.00	47.45 1.76 0.00	46.11 1.69 0.00	46.02 1.81 0.00
HUNTER MOUNT___DRP 323613	41.44 1.53 0.00	37.21 1.40 0.00	29.96 1.17 0.00	30.14 1.16 0.00	30.94 1.22 0.00	39.00 1.56 0.00	48.05 1.99 0.00	48.40 2.00 0.00	48.75 1.79 0.00	48.64 1.36 0.00	-8.89 0.81 53.32	34.84 0.61 11.77	48.83 0.52 0.00	70.45 1.67 0.00	54.45 1.57 0.00	55.45 1.92 0.00	58.12 2.01 0.00	51.53 2.24 0.00	49.23 2.32 0.00	50.15 2.25 0.00	53.18 2.13 0.00	47.55 1.87 0.00	46.22 1.81 0.00	46.13 1.93 0.00
HUNTINGTON_RES_REC 323705	41.64 1.73 0.00	37.45 1.63 0.00	30.16 1.36 0.00	30.44 1.47 0.00	31.31 1.58 0.00	39.18 1.75 0.00	47.93 1.86 0.00	48.52 2.12 0.00	49.53 2.58 0.00	49.76 2.48 0.00	85.58 2.97 -38.99	57.27 3.32 -7.94	52.10 3.79 0.00	73.17 4.40 0.00	56.53 3.65 0.00	57.35 3.82 0.00	60.27 4.15 0.00	53.53 4.24 0.00	51.05 4.14 0.00	51.79 3.89 0.00	54.17 3.12 0.00	48.69 3.00 0.00	47.67 3.26 0.00	47.45 3.25 0.00
HUNTLEY___63 23557	37.96 -1.95 0.00	34.03 -1.78 0.00	27.38 -1.42 0.00	27.60 -1.38 0.00	28.40 -1.33 0.00	35.81 -1.63 0.00	44.52 -1.55 0.00	44.93 -1.47 0.00	45.48 -1.47 0.00	46.02 -1.26 0.00	42.71 -0.91 0.00	44.89 -1.12 0.00	46.76 -1.56 0.00	66.15 -2.63 0.00	50.94 -1.94 0.00	43.74 -2.59 7.19	47.58 -2.85 5.68	34.26 -2.41 12.62	38.16 -2.10 6.64	37.66 -2.19 8.05	34.05 -3.11 13.89	30.74 -2.66 12.28	34.24 -2.41 7.76	41.16 -3.05 0.00
HUNTLEY___64 23558	37.96 -1.95 0.00	34.03 -1.78 0.00	27.38 -1.42 0.00	27.60 -1.38 0.00	28.40 -1.33 0.00	35.81 -1.63 0.00	44.52 -1.55 0.00	44.93 -1.47 0.00	45.48 -1.47 0.00	46.02 -1.26 0.00	42.71 -0.91 0.00	44.89 -1.12 0.00	46.76 -1.56 0.00	66.15 -2.63 0.00	50.94 -1.94 0.00	43.74 -2.59 7.19	47.58 -2.85 5.68	34.26 -2.41 12.62	38.16 -2.10 6.64	37.66 -2.19 8.05	34.05 -3.11 13.89	30.74 -2.66 12.28	34.24 -2.41 7.76	41.16 -3.05 0.00
HUNTLEY___65 23559	37.96 -1.95 0.00	34.03 -1.78 0.00	27.38 -1.42 0.00	27.60 -1.38 0.00	28.40 -1.33 0.00	35.81 -1.63 0.00	44.52 -1.55 0.00	44.93 -1.47 0.00	45.48 -1.47 0.00	46.02 -1.26 0.00	42.71 -0.91 0.00	44.89 -1.12 0.00	46.76 -1.56 0.00	66.15 -2.63 0.00	50.94 -1.94 0.00	43.74 -2.59 7.19	47.58 -2.85 5.68	34.26 -2.41 12.62	38.16 -2.10 6.64	37.66 -2.19 8.05	34.05 -3.11 13.89	30.74 -2.66 12.28	34.24 -2.41 7.76	41.16 -3.05 0.00
HUNTLEY___66 23560	37.96 -1.95 0.00	34.03 -1.78 0.00	27.38 -1.42 0.00	27.60 -1.38 0.00	28.40 -1.33 0.00	35.81 -1.63 0.00	44.52 -1.55 0.00	44.93 -1.47 0.00	45.48 -1.47 0.00	46.02 -1.26 0.00	42.71 -0.91 0.00	44.89 -1.12 0.00	46.76 -1.56 0.00	66.15 -2.63 0.00	50.94 -1.94 0.00	43.74 -2.59 7.19	47.58 -2.85 5.68	34.26 -2.41 12.62	38.16 -2.10 6.64	37.66 -2.19 8.05	34.05 -3.11 13.89	30.74 -2.66 12.28	34.24 -2.41 7.76	41.16 -3.05 0.00

HUNTLEY___67 23561	37.70 -2.21 0.00	33.80 -2.01 0.00	27.20 -1.60 0.00	27.44 -1.54 0.00	28.22 -1.50 0.00	35.59 -1.85 0.00	44.18 -1.88 0.00	44.60 -1.79 0.00	45.13 -1.81 0.00	45.67 -1.61 0.00	42.35 -1.27 0.00	44.51 -1.49 0.00	46.42 -1.90 0.00	65.81 0.00 0.00	50.68 -2.20 0.00	42.51 -2.79 8.23	46.63 -2.98 6.50	32.24 -2.53 14.52	37.06 -2.25 7.60	36.31 -2.35 9.24	31.87 -3.25 15.93	28.72 -2.92 14.05	32.79 -2.75 8.88	40.97 -3.23 0.00
HUNTLEY___68 23562	37.70 -2.21 0.00	33.80 -2.01 0.00	27.20 -1.60 0.00	27.44 -1.54 0.00	28.22 -1.50 0.00	35.59 -1.85 0.00	44.18 -1.88 0.00	44.60 -1.79 0.00	45.13 -1.81 0.00	45.67 -1.61 0.00	42.35 -1.27 0.00	44.51 -1.49 0.00	46.42 -1.90 0.00	65.81 -2.97 0.00	50.68 -2.20 0.00	42.51 -2.79 8.23	46.63 -2.98 6.50	32.24 -2.53 14.52	37.06 -2.25 7.60	36.31 -2.35 9.24	31.87 -3.25 15.93	28.72 -2.92 14.05	32.79 -2.75 8.88	40.97 -3.23 0.00
HYLAND___LFG 323620	40.29 0.38 0.00	36.02 0.21 0.00	28.86 0.07 0.00	29.05 0.07 0.00	29.89 0.17 0.00	37.84 0.40 0.00	47.23 1.17 0.00	47.88 1.48 0.00	48.30 1.35 0.00	48.62 1.34 0.00	44.57 0.95 0.00	47.04 1.03 0.00	49.09 0.78 0.00	68.75 -0.03 0.00	52.51 -0.37 0.00	81.12 0.08 -27.52	77.23 -0.62 -21.74	99.59 1.76 -48.55	74.47 2.16 -25.41	81.13 2.31 -30.91	106.00 1.66 -53.29	93.73 1.06 -46.98	74.96 0.86 -29.70	44.44 0.23 -0.01
INDECK___CORINTH 23802	41.02 1.12 0.00	36.90 1.09 0.00	29.76 0.96 0.00	29.96 0.98 0.00	30.79 1.06 0.00	38.75 1.32 0.00	47.59 1.53 0.00	47.79 1.40 0.00	48.20 1.25 0.00	48.17 0.89 0.00	44.07 0.46 0.00	46.54 0.53 0.00	48.92 0.60 0.00	70.56 1.78 0.00	54.06 1.18 0.00	55.06 1.54 0.00	57.96 1.85 0.00	51.53 2.24 0.00	49.16 2.25 0.00	50.08 2.18 0.00	53.13 2.07 0.00	47.57 1.89 0.00	46.21 1.79 0.00	45.97 1.76 0.00
INDECK___ILION 23567	40.36 0.45 0.00	36.22 0.41 0.00	29.14 0.34 0.00	29.32 0.34 0.00	30.07 0.35 0.00	37.92 0.49 0.00	46.71 0.64 0.00	46.99 0.59 0.00	47.48 0.53 0.00	47.51 0.23 0.00	43.36 -0.25 0.00	45.98 -0.03 0.00	48.45 0.14 0.00	69.55 0.77 0.00	53.46 0.58 0.00	54.37 0.85 0.00	56.91 0.80 0.00	50.29 1.00 0.00	47.93 1.03 0.00	48.99 1.09 0.00	51.97 0.92 0.00	46.47 0.79 0.00	45.12 0.71 0.00	44.85 0.65 0.00
INDECK___OLEAN 23982	38.74 -1.17 0.00	35.15 -0.67 0.00	28.07 -0.72 0.00	28.36 -0.62 0.00	29.24 -0.48 0.00	36.85 -0.59 0.00	45.65 -0.41 0.00	46.30 -0.10 0.00	46.74 -0.21 0.00	47.56 0.28 0.00	44.10 0.49 0.00	46.05 0.04 0.00	48.19 -0.12 0.00	68.97 0.19 0.00	52.70 -0.18 0.00	52.94 -0.59 0.00	55.49 -0.62 0.00	49.78 0.48 -0.01	47.68 0.77 0.00	48.58 0.68 0.00	50.68 -0.37 0.00	44.65 -1.04 0.00	43.66 -0.75 0.00	43.06 -1.15 0.00
INDECK___OSWEGO 23783	38.90 -1.01 0.00	34.90 -0.91 0.00	28.05 -0.75 0.00	28.20 -0.77 0.00	28.90 -0.83 0.00	36.43 -1.00 0.00	44.83 -1.23 0.00	45.05 -1.35 0.00	45.55 -1.40 0.00	45.88 -1.39 0.00	42.43 -1.19 0.00	44.73 -1.28 0.00	47.03 -1.29 0.00	66.79 -1.99 0.00	51.06 -1.82 0.00	51.54 -1.98 0.00	54.07 -2.05 0.00	47.53 -1.75 0.00	45.31 -1.60 0.00	46.20 -1.71 0.00	49.11 -1.94 0.00	44.17 -1.51 0.00	43.03 -1.38 0.00	42.74 -1.47 0.00
INDECK___YERKES 23781	38.00 -1.90 0.00	34.07 -1.74 0.00	27.40 -1.39 0.00	27.62 -1.35 0.00	28.42 -1.31 0.00	35.85 -1.59 0.00	44.56 -1.51 0.00	44.97 -1.43 0.00	45.51 -1.44 0.00	46.06 -1.22 0.00	42.73 -0.89 0.00	44.95 -1.06 0.00	46.82 -1.50 0.00	66.22 -2.56 0.00	50.99 -1.89 0.00	43.81 -2.52 7.19	47.65 -2.78 5.68	34.35 -2.31 12.62	38.23 -2.04 6.64	37.75 -2.10 8.05	34.14 -3.02 13.89	30.83 -2.57 12.28	34.33 -2.32 7.76	41.21 -3.00 0.00
INDIAN POINT_GT_1 24139	41.07 1.16 0.00	36.82 1.01 0.00	29.54 0.74 0.00	29.70 0.72 0.00	30.46 0.74 0.00	38.36 0.93 0.00	47.28 1.22 0.00	47.87 1.47 0.00	48.67 1.72 0.00	49.20 1.92 0.00	90.62 2.03 -44.97	57.37 2.20 -9.16	50.82 2.51 0.00	72.19 3.41 0.00	55.69 2.81 0.00	56.65 3.13 0.00	59.74 3.63 0.00	53.00 3.71 0.00	50.67 3.77 0.00	51.36 3.46 0.00	53.91 2.86 0.00	48.15 2.47 0.00	47.00 2.58 0.00	46.79 2.58 0.00
INDIAN POINT_GT_2 23659	41.07 1.16 0.00	36.82 1.01 0.00	29.54 0.74 0.00	29.70 0.72 0.00	30.46 0.74 0.00	38.36 0.93 0.00	47.28 1.22 0.00	47.87 1.47 0.00	48.67 1.72 0.00	49.20 1.92 0.00	90.62 2.03 -44.97	57.37 2.20 -9.16	50.82 2.51 0.00	72.19 3.41 0.00	55.69 2.81 0.00	56.65 3.13 0.00	59.74 3.63 0.00	53.00 3.71 0.00	50.67 3.77 0.00	51.36 3.46 0.00	53.91 2.86 0.00	48.15 2.47 0.00	47.00 2.58 0.00	46.79 2.58 0.00
INDIAN POINT_GT_3 24019	41.07 1.16 0.00	36.82 1.01 0.00	29.54 0.74 0.00	29.70 0.72 0.00	30.46 0.74 0.00	38.36 0.93 0.00	47.28 1.22 0.00	47.87 1.47 0.00	48.67 1.72 0.00	49.20 1.92 0.00	90.62 2.03 -44.97	57.37 2.20 -9.16	50.82 2.51 0.00	72.19 3.41 0.00	55.69 2.81 0.00	56.65 3.13 0.00	59.74 3.63 0.00	53.00 3.71 0.00	50.67 3.77 0.00	51.36 3.46 0.00	53.91 2.86 0.00	48.15 2.47 0.00	47.00 2.58 0.00	46.79 2.58 0.00
INDIAN POINT___2 23530	41.03 1.12 0.00	36.80 0.99 0.00	29.51 0.71 0.00	29.67 0.70 0.00	30.43 0.71 0.00	38.33 0.89 0.00	47.25 1.19 0.00	47.83 1.43 0.00	48.62 1.67 0.00	49.15 1.87 0.00	112.37 2.01 -66.74	61.78 2.18 -13.60	50.80 2.48 0.00	72.17 3.39 0.00	55.68 2.80 0.00	56.63 3.11 0.00	59.74 3.62 0.00	52.98 3.69 0.00	50.67 3.76 0.00	51.33 3.43 0.00	53.89 2.83 0.00	48.12 2.43 0.00	46.96 2.54 0.00	46.74 2.53 0.00
INDIAN POINT___3 23531	41.03 1.13 0.00	36.81 0.99 0.00	29.52 0.72 0.00	29.67 0.70 0.00	30.44 0.72 0.00	38.34 0.90 0.00	47.26 1.19 0.00	47.83 1.43 0.00	48.63 1.68 0.00	49.15 1.88 0.00	91.34 1.98 -45.74	57.48 2.16 -9.32	50.77 2.46 0.00	72.14 3.36 0.00	55.65 2.77 0.00	56.60 3.08 0.00	59.69 3.57 0.00	52.95 3.66 0.00	50.63 3.72 0.00	51.31 3.40 0.00	53.86 2.81 0.00	48.11 2.42 0.00	46.94 2.53 0.00	46.73 2.53 0.00
INDIANHD_69_KV_BK1 55831	41.71 1.81 0.00	37.51 1.70 0.00	30.21 1.42 0.00	30.51 1.53 0.00	31.36 1.63 0.00	39.25 1.81 0.00	47.98 1.92 0.00	48.57 2.17 0.00	49.57 2.62 0.00	49.78 2.50 0.00	85.63 3.02 -38.99	57.33 3.39 -7.94	52.16 3.84 0.00	73.26 4.48 0.00	56.63 3.75 0.00	57.42 3.90 0.00	60.29 4.17 0.00	53.59 4.29 0.00	51.07 4.16 0.00	51.83 3.93 0.00	54.20 3.15 0.00	48.74 3.06 0.00	47.74 3.33 0.00	47.51 3.30 0.00
INGHAM_C_115KV_TB7 356103	40.81 0.90 0.00	36.65 0.84 0.00	29.49 0.69 0.00	29.68 0.70 0.00	30.47 0.74 0.00	38.47 1.03 0.00	47.39 1.32 0.00	47.60 1.20 0.00	47.98 1.03 0.00	47.62 0.35 0.00	42.80 -0.82 0.00	45.70 -0.30 0.00	48.39 0.07 0.00	70.18 1.40 0.00	53.88 1.01 0.00	55.12 1.60 0.00	57.57 1.45 0.00	51.13 1.85 0.00	48.83 1.92 0.00	49.97 2.07 0.00	52.93 1.88 0.00	47.32 1.64 0.00	45.86 1.45 0.00	45.57 1.37 0.00

IP CORINTH___1 23988	41.25 1.35 0.00	37.09 1.28 0.00	29.91 1.11 0.00	30.11 1.14 0.00	30.94 1.22 0.00	38.95 1.51 0.00	47.85 1.79 0.00	48.07 1.67 0.00	48.47 1.52 0.00	48.43 1.15 0.00	44.32 0.70 0.00	46.81 0.80 0.00	49.20 0.88 0.00	70.94 2.16 0.00	54.36 1.48 0.00	55.35 1.83 0.00	58.28 2.16 0.00	51.82 2.53 0.00	49.41 2.51 0.00	50.35 2.45 0.00	53.40 2.35 0.00	47.83 2.14 0.00	46.45 2.04 0.00	46.22 2.01 0.00
IP___TICONDEROGA 23804	43.26 3.36 0.00	39.03 3.22 0.00	31.57 2.77 0.00	31.88 2.90 0.00	32.86 3.14 0.00	41.23 3.80 0.00	50.27 4.20 0.00	50.54 4.15 0.00	50.61 3.66 0.00	49.93 2.65 0.00	45.67 2.05 0.00	48.29 2.28 0.00	50.69 2.38 0.00	74.17 5.39 0.00	56.58 3.70 0.00	58.12 4.59 0.00	61.83 5.72 0.00	55.58 6.29 0.00	52.94 6.04 0.00	53.83 5.93 0.00	56.73 5.68 0.00	50.69 5.00 0.00	49.03 4.62 0.00	48.85 4.64 0.00
ISLIP_RES_REC 323679	41.85 1.94 0.00	37.66 1.84 0.00	30.37 1.57 0.00	30.68 1.70 0.00	31.50 1.78 0.00	39.38 1.94 0.00	48.06 1.99 0.00	48.61 2.21 0.00	49.65 2.70 0.00	49.87 2.60 0.00	85.67 3.06 -38.99	57.35 3.40 -7.94	52.25 3.94 0.00	73.27 4.49 0.00	56.59 3.71 0.00	57.37 3.85 0.00	60.30 4.19 0.00	53.62 4.33 0.00	51.09 4.18 0.00	51.84 3.94 0.00	54.19 3.14 0.00	48.76 3.07 0.00	47.76 3.35 0.00	47.49 3.29 0.00
JAMAICA___27_KV_LOAD 355505	41.74 1.83 0.00	37.30 1.49 0.00	29.93 1.13 0.00	30.06 1.09 0.00	30.83 1.10 0.00	38.90 1.46 0.00	47.90 1.83 0.00	48.48 2.08 0.00	49.34 2.39 0.00	49.89 2.62 0.00	85.62 2.66 -39.33	56.95 2.93 -8.01	51.55 3.23 0.00	73.14 4.37 0.00	56.50 3.62 0.00	57.62 4.09 0.00	60.82 4.70 0.00	54.02 4.73 0.00	51.65 4.74 0.00	52.27 4.37 0.00	54.92 3.87 0.00	49.13 3.45 0.00	48.11 3.70 0.00	47.81 3.60 0.00
JANIS___SOLAR 323808	41.00 1.10 0.00	36.72 0.91 0.00	29.28 0.49 0.00	29.43 0.45 0.00	30.19 0.46 0.00	38.19 0.75 0.00	47.24 1.17 0.00	47.66 1.27 0.00	48.14 1.19 0.00	47.95 0.67 0.00	44.55 0.93 0.00	47.15 1.15 0.00	49.67 1.36 0.00	70.84 2.07 0.00	54.32 1.44 0.00	57.26 1.72 -2.02	59.81 2.10 -1.59	54.87 2.02 -3.56	51.04 2.27 -1.86	52.19 2.03 -2.27	56.71 1.75 -3.91	50.33 1.20 -3.45	47.64 1.05 -2.18	45.22 1.01 0.00
JARVIS____ 23743	40.00 0.09 0.00	35.90 0.08 0.00	28.86 0.06 0.00	29.04 0.06 0.00	29.78 0.06 0.00	37.51 0.08 0.00	46.17 0.10 0.00	46.49 0.09 0.00	47.05 0.09 0.00	47.33 0.05 0.00	43.62 0.00 0.00	46.04 0.04 0.00	48.38 0.07 0.00	69.00 0.23 0.00	53.04 0.16 0.00	53.72 0.19 0.00	56.29 0.18 0.00	49.59 0.30 0.00	47.23 0.33 0.00	48.19 0.28 0.00	51.23 0.18 0.00	45.86 0.17 0.00	44.57 0.16 0.00	44.35 0.14 0.00
JENNISON___1 23625	40.79 0.89 0.00	36.56 0.75 0.00	29.19 0.39 0.00	29.33 0.35 0.00	29.96 0.23 0.00	37.94 0.50 0.00	46.90 0.84 0.00	47.25 0.85 0.00	47.85 0.90 0.00	48.15 0.87 0.00	44.72 1.10 0.00	47.18 1.17 0.00	49.70 1.38 0.00	70.69 1.91 0.00	54.08 1.20 0.00	56.22 1.53 -1.17	58.95 1.91 -0.92	53.34 1.99 -2.06	49.90 1.92 -1.08	50.68 1.47 -1.31	54.32 1.01 -2.26	48.00 0.32 -1.99	46.03 0.35 -1.26	44.95 0.74 0.00
JENNISON___2 23626	40.79 0.89 0.00	36.56 0.75 0.00	29.19 0.39 0.00	29.33 0.35 0.00	29.96 0.23 0.00	37.94 0.50 0.00	46.90 0.84 0.00	47.25 0.85 0.00	47.85 0.90 0.00	48.15 0.87 0.00	44.72 1.10 0.00	47.18 1.17 0.00	49.70 1.38 0.00	70.69 1.91 0.00	54.08 1.20 0.00	56.22 1.53 -1.17	58.95 1.91 -0.92	53.34 1.99 -2.06	49.90 1.92 -1.08	50.68 1.47 -1.31	54.32 1.01 -2.26	48.00 0.32 -1.99	46.03 0.35 -1.26	44.95 0.74 0.00
JERICHO_RISE_WT_PWR 323719	39.85 -0.06 0.00	35.74 -0.08 0.00	28.77 -0.03 0.00	28.99 0.01 0.00	29.69 -0.04 0.00	37.48 0.04 0.00	45.98 -0.08 0.00	46.27 -0.12 0.00	46.81 -0.14 0.00	47.25 -0.03 0.00	43.55 -0.07 0.00	45.90 -0.11 0.00	48.04 -0.27 0.00	67.89 -0.88 0.00	52.38 -0.50 0.00	52.83 -0.69 0.00	55.33 -0.78 0.00	48.30 -0.98 0.00	45.70 -1.20 0.00	46.62 -1.28 0.00	50.20 -0.86 0.00	44.94 -0.74 0.00	43.51 -0.90 0.00	43.31 -0.90 0.00
KATONAH___115KV_46KV_TB4 355592	41.24 1.34 0.00	36.96 1.15 0.00	29.66 0.87 0.00	29.82 0.84 0.00	30.59 0.86 0.00	38.52 1.09 0.00	47.49 1.42 0.00	48.20 1.80 0.00	49.01 2.06 0.00	49.54 2.27 0.00	75.15 2.33 -29.20	54.49 2.54 -5.95	51.14 2.82 0.00	72.70 3.92 0.00	55.90 3.03 0.00	56.85 3.33 0.00	59.91 3.80 0.00	53.15 3.86 0.00	50.83 3.92 0.00	51.52 3.62 0.00	54.13 3.08 0.00	48.37 2.68 0.00	47.16 2.74 0.00	46.96 2.76 0.00
KCE_NY_1 323755	41.49 1.59 0.00	37.25 1.44 0.00	30.01 1.21 0.00	30.20 1.22 0.00	31.02 1.30 0.00	39.08 1.64 0.00	48.16 2.09 0.00	48.47 2.07 0.00	48.87 1.92 0.00	48.96 1.68 0.00	44.85 1.23 0.00	47.28 1.27 0.00	49.73 1.41 0.00	71.53 2.76 0.00	54.84 1.96 0.00	55.74 2.22 0.00	58.49 2.38 0.00	51.94 2.66 0.00	49.52 2.61 0.00	50.51 2.60 0.00	53.58 2.53 0.00	47.96 2.28 0.00	46.64 2.23 0.00	46.40 2.19 0.00
KCE_NY_6_ESR 323823	38.05 -1.85 0.00	34.09 -1.72 0.00	27.39 -1.41 0.00	27.63 -1.35 0.00	28.40 -1.33 0.00	35.87 -1.56 0.00	44.57 -1.49 0.00	45.07 -1.32 0.00	45.66 -1.29 0.00	46.17 -1.11 0.00	42.84 -0.78 0.00	45.14 -0.86 0.00	47.04 -1.27 0.00	66.73 -2.05 0.00	51.36 -1.52 0.00	42.66 -2.02 8.84	46.96 -2.17 6.99	31.96 -1.74 15.58	37.17 -1.57 8.16	36.34 -1.64 9.93	31.50 -2.44 17.11	28.33 -2.26 15.09	32.72 -2.15 9.54	41.44 -2.76 0.00
KEDC_PORT_JEFF_GT2 24210	41.60 1.69 0.00	37.44 1.63 0.00	30.19 1.39 0.00	30.50 1.53 0.00	31.32 1.60 0.00	39.15 1.71 0.00	47.77 1.71 0.00	48.31 1.92 0.00	49.29 2.34 0.00	49.30 2.02 0.00	85.32 2.71 -38.99	56.97 3.02 -7.94	51.83 3.52 0.00	72.65 3.87 0.00	56.12 3.24 0.00	56.81 3.29 0.00	59.36 3.24 0.00	52.75 3.46 0.00	50.29 3.38 0.00	51.03 3.13 0.00	53.35 2.30 0.00	48.20 2.52 0.00	47.38 2.96 0.00	47.18 2.98 0.00
KEDC_PORT_JEFF_GT3 24211	41.60 1.69 0.00	37.44 1.63 0.00	30.19 1.39 0.00	30.50 1.53 0.00	31.32 1.60 0.00	39.15 1.71 0.00	47.77 1.71 0.00	48.31 1.92 0.00	49.29 2.34 0.00	49.30 2.02 0.00	85.32 2.71 -38.99	56.97 3.02 -7.94	51.83 3.52 0.00	72.65 3.87 0.00	56.12 3.24 0.00	56.81 3.29 0.00	59.36 3.24 0.00	52.75 3.46 0.00	50.29 3.38 0.00	51.03 3.13 0.00	53.35 2.30 0.00	48.20 2.52 0.00	47.38 2.96 0.00	47.18 2.98 0.00
KEDC_GLWD_GT4 24219	41.55 1.65 0.00	37.27 1.46 0.00	29.92 1.13 0.00	30.11 1.14 0.00	30.89 1.16 0.00	38.83 1.39 0.00	47.76 1.70 0.00	48.40 2.00 0.00	49.02 2.06 0.00	49.52 2.24 0.00	85.11 2.51 -38.99	56.74 2.79 -7.94	51.46 3.15 0.00	72.83 4.05 0.00	56.25 3.37 0.00	57.19 3.67 0.00	60.26 4.15 0.00	53.43 4.14 0.00	51.02 4.11 0.00	51.76 3.86 0.00	54.25 3.19 0.00	48.54 2.86 0.00	47.42 3.00 0.00	47.40 3.20 0.00

KEDC_GLWD_GT5 24220	41.55 1.65 0.00	37.27 1.46 0.00	29.92 1.13 0.00	30.11 1.14 0.00	30.89 1.16 0.00	38.83 1.39 0.00	47.76 1.70 0.00	48.40 2.00 0.00	49.02 2.06 0.00	49.52 2.24 0.00	85.11 2.51 -38.99	56.74 2.79 -7.94	51.46 3.15 0.00	72.83 4.05 0.00	56.25 3.37 0.00	57.19 3.67 0.00	60.26 4.15 0.00	53.43 4.14 0.00	51.02 4.11 0.00	51.76 3.86 0.00	54.25 3.19 0.00	48.54 2.86 0.00	47.42 3.00 0.00	47.40 3.20 0.00
KENSICO____ 23655	41.22 1.32 0.00	36.96 1.15 0.00	29.65 0.86 0.00	29.81 0.84 0.00	30.57 0.85 0.00	38.51 1.07 0.00	47.46 1.39 0.00	48.06 1.66 0.00	48.88 1.93 0.00	49.42 2.14 0.00	87.89 2.26 -42.01	57.02 2.46 -8.56	51.04 2.73 0.00	72.47 3.69 0.00	55.90 3.02 0.00	56.85 3.33 0.00	59.94 3.83 0.00	53.16 3.88 0.00	50.85 3.95 0.00	51.52 3.62 0.00	54.08 3.03 0.00	48.33 2.64 0.00	47.18 2.77 0.00	46.98 2.78 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	41.22 1.31 0.00	36.94 1.13 0.00	29.63 0.83 0.00	29.78 0.81 0.00	30.56 0.83 0.00	38.50 1.07 0.00	47.53 1.46 0.00	48.12 1.73 0.00	48.90 1.95 0.00	49.47 2.19 0.00	32.21 2.18 13.59	45.45 2.32 2.88	50.95 2.64 0.00	72.75 3.97 0.00	56.09 3.21 0.00	57.10 3.58 0.00	60.24 4.12 0.00	53.44 4.15 0.00	51.10 4.19 0.00	51.88 3.98 0.00	54.55 3.50 0.00	48.64 2.95 0.00	47.34 2.93 0.00	47.02 2.82 0.00
KIAC_JFK_GT1 23816	41.44 1.54 0.00	37.07 1.26 0.00	29.74 0.94 0.00	29.88 0.90 0.00	30.65 0.92 0.00	38.66 1.22 0.00	47.53 1.47 0.00	48.00 1.60 0.00	48.87 1.92 0.00	49.41 2.14 0.00	85.18 2.22 -39.33	56.49 2.47 -8.01	51.05 2.74 0.00	72.44 3.66 0.00	55.94 3.06 0.00	57.06 3.53 0.00	60.21 4.10 0.00	53.49 4.20 0.00	51.13 4.22 0.00	51.74 3.84 0.00	54.36 3.30 0.00	48.64 2.95 0.00	47.64 3.23 0.00	47.35 3.15 0.00
KIAC_JFK_GT2 23817	41.44 1.54 0.00	37.07 1.26 0.00	29.74 0.94 0.00	29.88 0.90 0.00	30.65 0.92 0.00	38.66 1.22 0.00	47.53 1.47 0.00	48.00 1.60 0.00	48.87 1.92 0.00	49.41 2.14 0.00	85.18 2.22 -39.33	56.49 2.47 -8.01	51.05 2.74 0.00	72.44 3.66 0.00	55.94 3.06 0.00	57.06 3.53 0.00	60.21 4.10 0.00	53.49 4.20 0.00	51.13 4.22 0.00	51.74 3.84 0.00	54.36 3.30 0.00	48.64 2.95 0.00	47.64 3.23 0.00	47.35 3.15 0.00
KIAC_JFK____ 323774	41.44 1.53 0.00	37.07 1.26 0.00	29.74 0.94 0.00	29.88 0.90 0.00	30.65 0.92 0.00	38.66 1.22 0.00	47.53 1.46 0.00	48.00 1.60 0.00	48.87 1.92 0.00	49.42 2.14 0.00	85.19 2.24 -39.33	56.49 2.47 -8.01	51.05 2.74 0.00	72.44 3.66 0.00	55.94 3.06 0.00	57.05 3.53 0.00	60.21 4.10 0.00	53.49 4.20 0.00	51.14 4.23 0.00	51.74 3.84 0.00	54.35 3.30 0.00	48.63 2.94 0.00	47.64 3.22 0.00	47.35 3.15 0.00
KINTIGH__24_KV_GSU 356498	37.95 -1.95 0.00	34.04 -1.78 0.00	27.40 -1.40 0.00	27.63 -1.35 0.00	28.40 -1.33 0.00	35.81 -1.63 0.00	44.38 -1.68 0.00	44.75 -1.65 0.00	45.26 -1.70 0.00	45.77 -1.51 0.00	42.38 -1.23 0.00	44.58 -1.43 0.00	46.53 -1.78 0.00	66.01 -2.77 0.00	50.82 -2.06 0.00	46.77 -2.56 4.19	50.08 -2.72 3.31	39.54 -2.35 7.40	40.97 -2.06 3.87	41.06 -2.13 4.71	39.98 -2.95 8.12	35.86 -2.67 7.15	37.38 -2.51 4.52	41.31 -2.89 0.00
KINTIGH____ 23543	37.93 -1.98 0.00	34.00 -1.81 0.00	27.38 -1.41 0.00	27.61 -1.37 0.00	28.38 -1.34 0.00	35.78 -1.66 0.00	44.36 -1.70 0.00	44.72 -1.68 0.00	45.23 -1.73 0.00	45.74 -1.54 0.00	42.38 -1.24 0.00	44.53 -1.48 0.00	46.50 -1.82 0.00	65.96 -2.82 0.00	50.78 -2.10 0.00	46.71 -2.62 4.19	50.04 -2.77 3.31	39.48 -2.41 7.40	40.94 -2.09 3.87	41.00 -2.19 4.71	39.91 -3.02 8.12	35.81 -2.72 7.15	37.32 -2.57 4.52	41.28 -2.92 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	40.31 0.41 0.00	36.19 0.37 0.00	29.15 0.36 0.00	29.37 0.39 0.00	30.10 0.37 0.00	37.98 0.54 0.00	46.56 0.49 0.00	46.84 0.45 0.00	47.34 0.39 0.00	47.78 0.50 0.00	44.03 0.42 0.00	46.44 0.44 0.00	48.60 0.29 0.00	68.84 0.06 0.00	52.97 0.10 0.00	53.62 0.09 0.00	56.22 0.11 0.00	49.08 -0.21 0.00	46.54 -0.36 0.00	47.40 -0.50 0.00	50.93 -0.12 0.00	45.60 -0.09 0.00	44.08 -0.33 0.00	43.87 -0.33 0.00
LACHUTE__HYDRO 323717	43.26 3.36 0.00	39.03 3.22 0.00	31.57 2.77 0.00	31.88 2.90 0.00	32.87 3.14 0.00	41.23 3.79 0.00	50.27 4.20 0.00	50.54 4.15 0.00	50.61 3.66 0.00	49.93 2.65 0.00	45.67 2.05 0.00	48.29 2.28 0.00	50.69 2.38 0.00	74.17 5.39 0.00	56.58 3.70 0.00	58.12 4.59 0.00	61.83 5.72 0.00	55.58 6.29 0.00	52.94 6.03 0.00	53.83 5.93 0.00	56.73 5.68 0.00	50.69 5.00 0.00	49.04 4.62 0.00	48.85 4.64 0.00
LAWRNCV_115KV_TB1 80681	40.31 0.41 0.00	36.18 0.37 0.00	29.13 0.33 0.00	29.29 0.31 0.00	30.01 0.28 0.00	37.92 0.48 0.00	46.57 0.50 0.00	46.95 0.55 0.00	47.38 0.43 0.00	47.78 0.50 0.00	44.22 0.60 0.00	46.53 0.52 0.00	48.76 0.45 0.00	68.81 0.03 0.00	52.73 -0.15 0.00	52.61 -0.92 0.00	55.05 -1.07 0.00	47.65 -1.64 0.00	45.14 -1.77 0.00	46.22 -1.68 0.00	50.21 -0.84 0.00	45.12 -0.56 0.00	44.02 -0.39 0.00	44.04 -0.16 0.00
LEDERLE____ 23769	41.21 1.31 0.00	36.96 1.15 0.00	29.63 0.83 0.00	29.79 0.81 0.00	30.56 0.84 0.00	38.50 1.06 0.00	47.50 1.43 0.00	48.10 1.70 0.00	48.87 1.91 0.00	49.43 2.15 0.00	71.97 2.23 -26.13	53.76 2.43 -5.32	51.15 2.83 0.00	72.75 3.97 0.00	56.13 3.25 0.00	57.09 3.57 0.00	60.24 4.13 0.00	53.44 4.15 0.00	51.09 4.18 0.00	51.75 3.85 0.00	54.32 3.27 0.00	48.46 2.78 0.00	47.25 2.83 0.00	46.98 2.78 0.00
LIGHTHSE_115KV_TB6 355974	39.82 -0.08 0.00	35.71 -0.10 0.00	28.62 -0.17 0.00	28.66 -0.33 0.00	29.30 -0.43 0.00	37.04 -0.39 0.00	45.69 -0.38 0.00	46.06 -0.34 0.00	46.54 -0.41 0.00	46.90 -0.38 0.00	43.50 -0.12 0.00	45.81 -0.20 0.00	48.31 -0.01 0.00	68.72 -0.06 0.00	52.41 -0.47 0.00	52.65 -0.87 0.00	55.31 -0.81 0.00	48.54 -0.75 0.00	46.17 -0.73 0.00	47.01 -0.90 0.00	50.14 -0.92 0.00	44.92 -0.77 0.00	43.63 -0.79 0.00	43.27 -0.93 0.00
LINDEN COGEN____ 23786	41.18 1.28 0.00	36.92 1.11 0.00	29.59 0.79 0.00	29.74 0.76 0.00	30.50 0.77 0.00	38.42 0.98 0.00	47.37 1.31 0.00	47.98 1.59 0.01	47.02 1.90 1.83	45.71 2.15 3.72	44.12 2.32 1.81	56.50 2.48 -8.01	51.11 2.79 0.00	72.43 3.65 0.00	55.92 3.04 0.00	56.88 3.35 0.00	60.04 3.92 0.00	53.25 3.97 0.00	50.96 4.05 0.00	51.56 3.66 0.00	54.09 3.03 0.00	48.37 2.69 0.00	47.28 2.87 0.00	47.05 2.85 0.00
LINDHRST_69_KV_BK1 356055	41.89 1.99 0.00	37.63 1.82 0.00	30.26 1.46 0.00	30.49 1.52 0.00	31.30 1.57 0.00	39.22 1.78 0.00	48.07 2.00 0.00	48.69 2.29 0.00	49.68 2.73 0.00	50.04 2.76 0.00	85.70 3.10 -38.99	57.34 3.39 -7.94	52.22 3.90 0.00	73.42 4.64 0.00	56.74 3.86 0.00	57.64 4.11 0.00	60.75 4.63 0.00	53.95 4.67 0.00	51.44 4.53 0.00	52.26 4.36 0.00	54.68 3.63 0.00	49.07 3.39 0.00	47.91 3.49 0.00	47.70 3.50 0.00

LIPA_MISC_IPP 23656	41.45 1.55 0.00	37.35 1.53 0.00	30.19 1.39 0.00	30.58 1.60 0.00	31.38 1.66 0.00	39.14 1.71 0.00	47.57 1.51 0.00	48.11 1.71 0.00	49.06 2.11 0.00	49.29 2.01 0.00	85.04 2.43 -38.99	56.61 2.66 -7.94	51.45 3.13 0.00	72.07 3.29 0.00	55.60 2.73 0.00	56.39 2.87 0.00	59.40 3.28 0.00	52.84 3.55 0.00	50.33 3.43 0.00	51.08 3.18 0.00	53.38 2.33 0.00	48.03 2.35 0.00	47.09 2.67 0.00	46.81 2.61 0.00
LISF___SOLAR 323691	41.52 1.62 0.00	37.41 1.60 0.00	30.24 1.45 0.00	30.63 1.66 0.00	31.45 1.72 0.00	39.23 1.79 0.00	47.65 1.59 0.00	48.21 1.81 0.00	49.15 2.20 0.00	49.37 2.09 0.00	85.09 2.49 -38.99	56.63 2.68 -7.94	51.50 3.19 0.00	72.14 3.36 0.00	55.68 2.80 0.00	56.45 2.93 0.00	59.53 3.41 0.00	52.96 3.67 0.00	50.47 3.56 0.00	51.22 3.32 0.00	53.52 2.47 0.00	48.16 2.47 0.00	47.20 2.78 0.00	46.91 2.71 0.00
LITTLE FALLS___HYD 24013	40.81 0.90 0.00	36.65 0.84 0.00	29.49 0.69 0.00	29.68 0.70 0.00	30.47 0.74 0.00	38.47 1.03 0.00	47.39 1.32 0.00	47.60 1.20 0.00	47.98 1.03 0.00	47.62 0.35 0.00	42.80 -0.82 0.00	45.70 -0.30 0.00	48.39 0.07 0.00	70.18 1.40 0.00	53.88 1.01 0.00	55.12 1.60 0.00	57.57 1.45 0.00	51.13 1.85 0.00	48.83 1.92 0.00	49.97 2.07 0.00	52.93 1.88 0.00	47.32 1.64 0.00	45.86 1.45 0.00	45.57 1.37 0.00
LITTLRIV_115KV_TB1 356100	40.85 0.95 0.00	36.65 0.84 0.00	29.52 0.72 0.00	29.70 0.72 0.00	30.45 0.73 0.00	38.50 1.06 0.00	47.37 1.31 0.00	47.74 1.34 0.00	48.02 1.06 0.00	48.38 1.10 0.00	44.83 1.21 0.00	47.16 1.15 0.00	49.46 1.14 0.00	69.60 0.83 0.00	53.33 0.45 0.00	53.31 -0.22 0.00	55.81 -0.30 0.00	48.34 -0.95 0.00	45.78 -1.12 0.00	46.94 -0.96 0.00	50.97 -0.09 0.00	45.78 0.09 0.00	44.64 0.23 0.00	44.65 0.45 0.00
LI_NEWBRDGE___DRP 323616	41.26 1.36 0.00	37.06 1.25 0.00	29.79 0.99 0.00	30.00 1.03 0.00	30.78 1.06 0.00	38.62 1.19 0.00	47.39 1.33 0.00	48.02 1.62 0.00	48.92 1.97 0.00	49.35 2.07 0.00	84.96 2.36 -38.99	56.58 2.63 -7.94	51.33 3.02 0.00	72.31 3.53 0.00	55.82 2.94 0.00	56.73 3.21 0.00	59.76 3.65 0.00	53.03 3.74 0.00	50.62 3.72 0.00	51.40 3.50 0.00	53.83 2.78 0.00	48.26 2.58 0.00	47.15 2.74 0.00	46.99 2.79 0.00
LOCKPORT_115KV_TB60_63_64 80432	37.65 -2.25 0.00	33.75 -2.06 0.00	27.19 -1.61 0.00	27.42 -1.56 0.00	28.19 -1.53 0.00	35.55 -1.88 0.00	44.19 -1.88 0.00	44.56 -1.84 0.00	45.05 -1.91 0.00	45.62 -1.66 0.00	42.29 -1.33 0.00	44.38 -1.63 0.00	46.14 -2.17 0.00	65.23 -3.55 0.00	50.17 -2.71 0.00	44.16 -3.15 6.22	47.76 -3.45 4.91	35.59 -2.75 10.95	38.61 -2.56 5.74	38.32 -2.60 6.98	35.62 -3.40 12.03	32.01 -3.07 10.61	34.99 -2.72 6.71	40.85 -3.35 0.00
LOCKPORT___CC1 323769	37.64 -2.26 0.00	33.74 -2.07 0.00	27.17 -1.63 0.00	27.41 -1.57 0.00	28.19 -1.54 0.00	35.54 -1.90 0.00	44.15 -1.91 0.00	44.53 -1.87 0.00	45.02 -1.93 0.00	45.58 -1.70 0.00	42.25 -1.37 0.00	44.33 -1.67 0.00	46.04 -2.28 0.00	65.04 -3.74 0.00	49.99 -2.89 0.00	43.50 -3.36 6.66	47.15 -3.71 5.26	34.57 -2.99 11.73	38.00 -2.76 6.15	37.63 -2.80 7.47	34.55 -3.61 12.89	31.05 -3.26 11.37	34.43 -2.79 7.19	40.84 -3.37 0.00
LOCKPORT___CC2 323770	37.64 -2.26 0.00	33.74 -2.07 0.00	27.17 -1.63 0.00	27.41 -1.57 0.00	28.19 -1.54 0.00	35.54 -1.90 0.00	44.15 -1.91 0.00	44.53 -1.87 0.00	45.02 -1.93 0.00	45.58 -1.70 0.00	42.25 -1.37 0.00	44.33 -1.67 0.00	46.04 -2.28 0.00	65.04 -3.74 0.00	49.99 -2.89 0.00	43.50 -3.36 6.66	47.15 -3.71 5.26	34.57 -2.99 11.73	38.00 -2.76 6.15	37.63 -2.80 7.47	34.55 -3.61 12.89	31.05 -3.26 11.37	34.43 -2.79 7.19	40.84 -3.37 0.00
LOCKPORT___CC3 323771	37.64 -2.26 0.00	33.74 -2.07 0.00	27.17 -1.63 0.00	27.41 -1.57 0.00	28.19 -1.54 0.00	35.54 -1.90 0.00	44.15 -1.91 0.00	44.53 -1.87 0.00	45.02 -1.93 0.00	45.58 -1.70 0.00	42.25 -1.37 0.00	44.33 -1.67 0.00	46.04 -2.28 0.00	65.04 -3.74 0.00	49.99 -2.89 0.00	43.50 -3.36 6.66	47.15 -3.71 5.26	34.57 -2.99 11.73	38.00 -2.76 6.15	37.63 -2.80 7.47	34.55 -3.61 12.89	31.05 -3.26 11.37	34.43 -2.79 7.19	40.84 -3.37 0.00
LOCUSVLY_69_KV_BK2 55797	41.65 1.74 0.00	37.37 1.56 0.00	30.01 1.22 0.00	30.22 1.24 0.00	30.98 1.26 0.00	38.92 1.49 0.00	47.84 1.77 0.00	48.50 2.10 0.00	49.32 2.37 0.00	49.80 2.52 0.00	85.42 2.81 -38.99	57.10 3.15 -7.94	51.87 3.55 0.00	73.26 4.48 0.00	56.64 3.76 0.00	57.54 4.02 0.00	60.62 4.51 0.00	53.74 4.46 0.00	51.29 4.39 0.00	52.06 4.16 0.00	54.51 3.46 0.00	48.83 3.14 0.00	47.66 3.24 0.00	47.54 3.34 0.00
LONG_LAKE_PHOENIX 24014	38.99 -0.92 0.00	34.98 -0.84 0.00	28.11 -0.68 0.00	28.29 -0.69 0.00	29.01 -0.72 0.00	36.56 -0.88 0.00	45.01 -1.05 0.00	45.27 -1.13 0.00	45.79 -1.16 0.00	46.12 -1.16 0.00	42.64 -0.98 0.00	44.96 -1.05 0.00	47.25 -1.06 0.00	67.22 -1.56 0.00	51.63 -1.25 0.00	52.22 -1.30 0.00	54.78 -1.33 0.00	48.25 -1.04 0.00	46.02 -0.89 0.00	46.94 -0.96 0.00	49.77 -1.28 0.00	44.54 -1.14 0.00	43.29 -1.12 0.00	42.97 -1.23 0.00
LOVETT___3 23632	40.96 1.06 0.00	36.75 0.93 0.00	29.46 0.66 0.00	29.62 0.64 0.00	30.39 0.66 0.00	38.27 0.83 0.00	47.17 1.11 0.00	47.75 1.35 0.00	48.52 1.57 0.00	49.05 1.78 0.00	94.67 1.89 -49.16	58.08 2.06 -10.01	50.70 2.38 0.00	72.06 3.28 0.00	55.62 2.74 0.00	56.56 3.04 0.00	59.67 3.56 0.00	52.93 3.64 0.00	50.62 3.71 0.00	51.27 3.37 0.00	53.84 2.79 0.00	48.06 2.38 0.00	46.90 2.48 0.00	46.67 2.47 0.00
LOVETT___4 23642	40.96 1.06 0.00	36.75 0.93 0.00	29.46 0.66 0.00	29.62 0.64 0.00	30.39 0.66 0.00	38.27 0.83 0.00	47.17 1.11 0.00	47.75 1.35 0.00	48.52 1.57 0.00	49.05 1.78 0.00	94.67 1.89 -49.16	58.08 2.06 -10.01	50.70 2.38 0.00	72.06 3.28 0.00	55.62 2.74 0.00	56.56 3.04 0.00	59.67 3.56 0.00	52.93 3.64 0.00	50.62 3.71 0.00	51.27 3.37 0.00	53.84 2.79 0.00	48.06 2.38 0.00	46.90 2.48 0.00	46.67 2.47 0.00
LOVETT___5 23593	40.96 1.06 0.00	36.75 0.93 0.00	29.46 0.66 0.00	29.62 0.64 0.00	30.39 0.66 0.00	38.27 0.83 0.00	47.17 1.11 0.00	47.75 1.35 0.00	48.52 1.57 0.00	49.05 1.78 0.00	94.67 1.89 -49.16	58.08 2.06 -10.01	50.70 2.38 0.00	72.06 3.28 0.00	55.62 2.74 0.00	56.56 3.04 0.00	59.67 3.56 0.00	52.93 3.64 0.00	50.62 3.71 0.00	51.27 3.37 0.00	53.84 2.79 0.00	48.06 2.38 0.00	46.90 2.48 0.00	46.67 2.47 0.00
LOWER RAQUET___HYD 24057	40.36 0.45 0.00	36.22 0.40 0.00	29.15 0.35 0.00	29.30 0.32 0.00	30.02 0.29 0.00	37.94 0.50 0.00	46.62 0.55 0.00	47.00 0.60 0.00	47.40 0.45 0.00	47.82 0.54 0.00	44.26 0.64 0.00	46.57 0.56 0.00	48.82 0.51 0.00	68.83 0.05 0.00	52.69 -0.19 0.00	52.44 -1.09 0.00	54.86 -1.25 0.00	47.43 -1.85 0.00	44.91 -1.99 0.00	46.00 -1.90 0.00	50.04 -1.01 0.00	45.00 -0.68 0.00	43.97 -0.45 0.00	44.03 -0.18 0.00

LOWER___HUDSON 24059	41.08 1.18 0.00	36.92 1.11 0.00	29.74 0.94 0.00	29.94 0.96 0.00	30.73 1.00 0.00	38.67 1.23 0.00	47.57 1.50 0.00	47.89 1.50 0.00	48.37 1.42 0.00	48.55 1.27 0.00	44.41 0.80 0.00	46.81 0.80 0.00	49.13 0.81 0.00	70.48 1.71 0.00	54.00 1.12 0.00	54.92 1.39 0.00	57.48 1.36 0.00	51.02 1.73 0.00	48.70 1.79 0.00	49.60 1.70 0.00	52.76 1.71 0.00	47.24 1.56 0.00	45.89 1.48 0.00	45.82 1.61 0.00
LOWVILLE_115KV_TB2 356335	41.31 1.40 0.00	36.94 1.13 0.00	29.55 0.75 0.00	29.33 0.36 0.00	29.87 0.14 0.00	37.91 0.47 0.00	46.88 0.82 0.00	47.31 0.92 0.00	47.89 0.94 0.00	48.18 0.90 0.00	44.86 1.25 0.00	47.19 1.18 0.00	49.92 1.61 0.00	71.11 2.33 0.00	53.87 0.99 0.00	53.61 0.08 0.00	56.77 0.65 0.00	49.38 0.09 0.00	46.65 -0.26 0.00	47.42 -0.48 0.00	50.86 -0.19 0.00	45.38 -0.30 0.00	44.08 -0.34 0.00	43.74 -0.46 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	41.47 1.57 0.00	37.26 1.44 0.00	30.01 1.21 0.00	30.20 1.22 0.00	31.01 1.28 0.00	39.05 1.62 0.00	48.10 2.03 0.00	48.39 1.99 0.00	48.82 1.87 0.00	48.91 1.63 0.00	44.80 1.18 0.00	47.26 1.26 0.00	49.68 1.37 0.00	71.45 2.67 0.00	54.80 1.92 0.00	55.70 2.17 0.00	58.44 2.33 0.00	51.86 2.58 0.00	49.47 2.56 0.00	50.42 2.52 0.00	53.52 2.46 0.00	47.90 2.21 0.00	46.54 2.13 0.00	46.34 2.13 0.00
LUTHERNY_35_KV_BK2 355980	41.49 1.59 0.00	37.25 1.44 0.00	30.01 1.21 0.00	30.20 1.22 0.00	31.02 1.30 0.00	39.08 1.64 0.00	48.16 2.09 0.00	48.47 2.07 0.00	48.87 1.92 0.00	48.96 1.68 0.00	44.84 1.22 0.00	47.28 1.28 0.00	49.73 1.41 0.00	71.54 2.76 0.00	54.84 1.96 0.00	55.74 2.22 0.00	58.49 2.38 0.00	51.95 2.66 0.00	49.52 2.61 0.00	50.51 2.60 0.00	53.58 2.53 0.00	47.97 2.28 0.00	46.64 2.23 0.00	46.40 2.19 0.00
LWR___OSWEGATCHIE_HYD 23850	40.84 0.93 0.00	36.59 0.77 0.00	29.34 0.54 0.00	29.32 0.34 0.00	29.94 0.22 0.00	37.93 0.49 0.00	46.78 0.72 0.00	47.21 0.81 0.00	47.68 0.73 0.00	48.04 0.76 0.00	44.61 1.00 0.00	46.92 0.92 0.00	49.42 1.10 0.00	69.99 1.21 0.00	53.19 0.31 0.00	52.82 -0.70 0.00	55.60 -0.52 0.00	48.26 -1.03 0.00	45.66 -1.24 0.00	46.56 -1.34 0.00	50.44 -0.61 0.00	45.18 -0.51 0.00	43.99 -0.42 0.00	43.87 -0.34 0.00
LYONS_FALL_HYD 23570	41.08 1.18 0.00	36.77 0.96 0.00	29.46 0.66 0.00	29.39 0.42 0.00	30.00 0.28 0.00	38.00 0.56 0.00	46.96 0.90 0.00	47.34 0.95 0.00	47.94 0.99 0.00	48.17 0.89 0.00	44.72 1.10 0.00	47.16 1.15 0.00	49.80 1.48 0.00	70.97 2.19 0.00	54.09 1.21 0.00	54.18 0.66 0.00	57.14 1.02 0.00	49.96 0.68 0.00	47.34 0.44 0.00	48.23 0.32 0.00	51.50 0.45 0.00	45.95 0.27 0.00	44.62 0.20 0.00	44.28 0.07 0.00
MADISON___COUNTY_LFGE 323628	40.85 0.94 0.00	36.60 0.79 0.00	29.37 0.57 0.00	29.52 0.54 0.00	30.24 0.51 0.00	38.21 0.77 0.00	47.17 1.11 0.00	47.55 1.15 0.00	48.12 1.16 0.00	48.27 0.99 0.00	44.63 1.01 0.00	47.38 1.37 0.00	49.93 1.62 0.00	71.22 2.44 0.00	54.73 1.85 0.00	55.30 1.78 0.00	58.00 1.88 0.00	51.06 1.77 0.00	48.49 1.58 0.00	49.52 1.62 0.00	52.52 1.47 0.00	46.86 1.18 0.00	45.49 1.07 0.00	45.10 0.89 0.00
MALONE___115KV_TB1 356076	40.23 0.32 0.00	36.09 0.27 0.00	29.07 0.27 0.00	29.29 0.31 0.00	30.01 0.28 0.00	37.90 0.46 0.00	46.49 0.43 0.00	46.82 0.42 0.00	47.37 0.41 0.00	47.81 0.53 0.00	44.12 0.50 0.00	46.50 0.49 0.00	48.64 0.33 0.00	68.77 -0.01 0.00	53.04 0.16 0.00	53.48 -0.04 0.00	56.10 -0.01 0.00	49.02 -0.27 0.00	46.41 -0.49 0.00	47.33 -0.58 0.00	50.95 -0.10 0.00	45.60 -0.08 0.00	44.05 -0.36 0.00	43.79 -0.42 0.00
MAPLEWOD_115KV_TB3 80458	40.96 1.06 0.00	36.81 1.00 0.00	29.64 0.85 0.00	29.81 0.84 0.00	30.60 0.88 0.00	38.52 1.08 0.00	47.38 1.32 0.00	47.74 1.34 0.00	48.25 1.30 0.00	48.43 1.15 0.00	44.38 0.76 0.00	46.78 0.77 0.00	49.18 0.86 0.00	70.46 1.68 0.00	54.06 1.17 0.00	54.90 1.37 0.00	57.49 1.37 0.00	50.93 1.65 0.00	48.61 1.70 0.00	49.53 1.63 0.00	52.62 1.57 0.00	47.09 1.40 0.00	45.75 1.34 0.00	45.66 1.45 0.00
MAPLE_RIDGE_WT_1 323574	39.82 -0.08 0.00	35.61 -0.21 0.00	28.49 -0.31 0.00	28.61 -0.37 0.00	29.38 -0.34 0.00	36.90 -0.53 0.00	45.43 -0.63 0.00	45.71 -0.68 0.00	46.33 -0.63 0.00	46.74 -0.54 0.00	43.26 -0.36 0.00	45.73 -0.28 0.00	47.92 -0.39 0.00	68.08 -0.70 0.00	52.27 -0.61 0.00	52.71 -0.81 0.00	55.40 -0.71 0.00	48.43 -0.86 0.00	45.99 -0.91 0.00	46.82 -1.08 0.00	49.72 -1.33 0.00	44.49 -1.20 0.00	43.30 -1.11 0.00	43.14 -1.07 0.00
MAPLE_RIDGE_WT_2 323611	39.82 -0.08 0.00	35.61 -0.21 0.00	28.49 -0.31 0.00	28.61 -0.37 0.00	29.38 -0.34 0.00	36.90 -0.53 0.00	45.43 -0.63 0.00	45.71 -0.68 0.00	46.33 -0.63 0.00	46.74 -0.54 0.00	43.26 -0.36 0.00	45.73 -0.28 0.00	47.92 -0.39 0.00	68.08 -0.70 0.00	52.27 -0.61 0.00	52.71 -0.81 0.00	55.40 -0.71 0.00	48.43 -0.86 0.00	45.99 -0.91 0.00	46.82 -1.08 0.00	49.72 -1.33 0.00	44.49 -1.20 0.00	43.30 -1.11 0.00	43.14 -1.07 0.00
MARBLE_RIVER_WT_PWR 323696	39.89 -0.01 0.00	35.78 -0.03 0.00	28.81 0.02 0.00	29.03 0.05 0.00	29.73 0.01 0.00	37.52 0.08 0.00	46.05 -0.02 0.00	46.33 -0.06 0.00	46.86 -0.09 0.00	47.30 0.02 0.00	43.59 -0.03 0.00	45.94 -0.07 0.00	48.10 -0.21 0.00	68.01 -0.77 0.00	52.43 -0.45 0.00	52.95 -0.58 0.00	55.46 -0.65 0.00	48.39 -0.90 0.00	45.80 -1.11 0.00	46.68 -1.22 0.00	50.24 -0.82 0.00	44.98 -0.71 0.00	43.53 -0.88 0.00	43.35 -0.86 0.00
MARSHVLE_115KV_TB1 80742	41.44 1.54 0.00	37.11 1.30 0.00	29.85 1.05 0.00	30.00 1.02 0.00	30.72 0.99 0.00	38.79 1.35 0.00	48.08 2.01 0.00	48.34 1.94 0.00	48.69 1.74 0.00	48.55 1.27 0.00	44.74 1.12 0.00	47.45 1.44 0.00	50.07 1.75 0.00	71.58 2.80 0.00	55.61 2.73 0.00	55.95 2.42 0.00	58.89 2.77 0.00	51.50 2.22 0.00	48.88 1.98 0.00	50.07 2.17 0.00	52.97 1.91 0.00	47.43 1.75 0.00	45.94 1.53 0.00	45.56 1.36 0.00
MARSH_HILL_WT_PWR 323713	38.01 -1.89 0.00	34.12 -1.70 0.00	27.16 -1.64 0.00	27.21 -1.77 0.00	28.05 -1.68 0.00	35.57 -1.87 0.00	44.17 -1.89 0.00	44.70 -1.70 0.00	45.37 -1.58 0.00	46.23 -1.05 0.00	42.62 -0.99 0.00	45.07 -0.94 0.00	47.48 -0.84 0.00	66.90 -1.88 0.00	50.61 -2.27 0.00	78.13 -2.55 -27.16	75.09 -2.48 -21.46	95.95 -1.27 -47.93	71.12 -0.87 -25.08	77.65 -0.77 -30.52	101.75 -1.91 -52.61	90.08 -1.98 -46.38	71.73 -1.99 -29.31	41.59 -2.63 -0.01
MCINTYRE_115KV_TB2 80467	41.02 1.11 0.00	36.82 1.00 0.00	29.66 0.86 0.00	29.94 0.96 0.00	30.72 1.00 0.00	38.83 1.39 0.00	47.79 1.73 0.00	48.14 1.74 0.00	48.37 1.42 0.00	48.70 1.42 0.00	45.16 1.55 0.00	47.50 1.49 0.00	49.81 1.49 0.00	70.06 1.28 0.00	53.74 0.86 0.00	53.97 0.45 0.00	56.58 0.47 0.00	49.09 -0.20 0.00	46.50 -0.40 0.00	47.73 -0.17 0.00	51.73 0.68 0.00	46.38 0.69 0.00	45.15 0.74 0.00	45.08 0.88 0.00

MECO____69_KV_BK1 80468	41.96 2.05 0.00	37.61 1.80 0.00	30.22 1.42 0.00	30.38 1.40 0.00	31.15 1.43 0.00	39.35 1.92 0.00	48.75 2.68 0.00	49.04 2.64 0.00	49.25 2.29 0.00	48.84 1.56 0.00	44.55 0.94 0.00	47.36 1.35 0.00	50.17 1.85 0.00	72.45 3.67 0.00	56.08 3.21 0.00	56.71 3.19 0.00	59.70 3.58 0.00	52.52 3.24 0.00	49.94 3.04 0.00	51.11 3.21 0.00	54.09 3.04 0.00	48.33 2.65 0.00	46.80 2.38 0.00	46.41 2.21 0.00
MENANDS__115KV_TB5 355628	40.77 0.87 0.00	36.67 0.85 0.00	29.54 0.74 0.00	29.71 0.73 0.00	30.49 0.77 0.00	38.37 0.93 0.00	47.16 1.10 0.00	47.52 1.12 0.00	48.03 1.07 0.00	48.20 0.92 0.00	44.16 0.54 0.00	46.55 0.55 0.00	48.90 0.59 0.00	70.02 1.25 0.00	53.69 0.81 0.00	54.54 1.02 0.00	57.09 0.98 0.00	50.60 1.31 0.00	48.29 1.38 0.00	49.19 1.29 0.00	52.26 1.21 0.00	46.78 1.10 0.00	45.47 1.06 0.00	45.41 1.21 0.00
MG INDUSTRY__DRP 24185	40.80 0.89 0.00	36.68 0.87 0.00	29.54 0.74 0.00	29.72 0.75 0.00	30.50 0.77 0.00	38.41 0.97 0.00	47.21 1.15 0.00	47.46 1.06 0.00	47.87 0.92 0.00	47.88 0.61 0.00	1.46 -0.25 41.90	36.19 -0.56 9.25	47.73 -0.58 0.00	68.37 -0.41 0.00	52.60 -0.28 0.00	53.52 0.00 0.00	56.08 -0.03 0.00	49.65 0.37 0.00	47.39 0.48 0.00	48.30 0.39 0.00	51.31 0.25 0.00	45.94 0.26 0.00	44.96 0.55 0.00	45.42 1.22 0.00
MID____OSWEGATCHIE_HYD 23849	40.84 0.93 0.00	36.59 0.77 0.00	29.34 0.54 0.00	29.32 0.34 0.00	29.94 0.22 0.00	37.93 0.49 0.00	46.78 0.72 0.00	47.21 0.81 0.00	47.68 0.73 0.00	48.04 0.76 0.00	44.61 1.00 0.00	46.92 0.92 0.00	49.42 1.10 0.00	69.99 1.21 0.00	53.19 0.31 0.00	52.82 -0.70 0.00	55.60 -0.52 0.00	48.26 -1.03 0.00	45.66 -1.24 0.00	46.56 -1.34 0.00	50.44 -0.61 0.00	45.18 -0.51 0.00	43.99 -0.42 0.00	43.87 -0.34 0.00
MID____RAQUETTE_HYD 23851	40.36 0.46 0.00	36.22 0.40 0.00	29.15 0.35 0.00	29.30 0.32 0.00	30.02 0.29 0.00	37.94 0.50 0.00	46.61 0.55 0.00	46.99 0.60 0.00	47.40 0.45 0.00	47.81 0.53 0.00	44.26 0.64 0.00	46.57 0.56 0.00	48.82 0.51 0.00	68.83 0.05 0.00	52.69 -0.19 0.00	52.44 -1.09 0.00	54.86 -1.25 0.00	47.44 -1.85 0.00	44.91 -1.99 0.00	46.00 -1.91 0.00	50.05 -1.00 0.00	45.00 -0.68 0.00	43.97 -0.45 0.00	44.02 -0.18 0.00
MILLIKEN__1 23584	40.32 0.42 0.00	36.18 0.37 0.00	29.00 0.20 0.00	29.16 0.18 0.00	29.96 0.23 0.00	37.79 0.36 0.00	46.69 0.63 0.00	47.12 0.72 0.00	47.54 0.59 0.00	47.70 0.42 0.00	44.20 0.58 0.00	46.74 0.74 0.00	49.19 0.88 0.00	70.06 1.28 0.00	53.80 0.92 0.00	56.68 1.01 0.00	58.97 1.15 0.00	54.32 1.23 0.00	50.29 1.39 0.00	51.75 1.43 0.00	56.29 1.07 0.00	50.08 0.72 0.00	47.37 0.63 0.00	44.75 0.55 0.00
MILLIKEN__2 23585	40.32 0.42 0.00	36.18 0.37 0.00	29.00 0.20 0.00	29.16 0.18 0.00	29.96 0.23 0.00	37.79 0.36 0.00	46.69 0.63 0.00	47.12 0.72 0.00	47.54 0.59 0.00	47.70 0.42 0.00	44.20 0.58 0.00	46.74 0.74 0.00	49.19 0.88 0.00	70.06 1.28 0.00	53.80 0.92 0.00	56.68 1.01 0.00	58.97 1.15 0.00	54.32 1.23 0.00	50.29 1.39 0.00	51.75 1.43 0.00	56.29 1.07 0.00	50.08 0.72 0.00	47.37 0.63 0.00	44.75 0.55 0.00
MILLIKEN__DIESEL 23629	40.32 0.42 0.00	36.18 0.37 0.00	29.00 0.20 0.00	29.16 0.18 0.00	29.96 0.23 0.00	37.79 0.36 0.00	46.69 0.63 0.00	47.12 0.72 0.00	47.54 0.59 0.00	47.70 0.42 0.00	44.20 0.58 0.00	46.74 0.74 0.00	49.19 0.88 0.00	70.06 1.28 0.00	53.80 0.92 0.00	56.68 1.01 0.00	58.97 1.15 0.00	54.32 1.23 0.00	50.29 1.39 0.00	51.75 1.43 0.00	56.29 1.07 0.00	50.08 0.72 0.00	47.37 0.63 0.00	44.75 0.55 0.00
MILLSEAT____LFGE 323607	39.09 -0.81 0.00	35.01 -0.81 0.00	28.16 -0.64 0.00	28.40 -0.58 0.00	29.20 -0.52 0.00	36.90 -0.54 0.00	45.88 -0.19 0.00	46.41 0.01 0.00	46.98 0.03 0.00	47.54 0.26 0.00	44.12 0.50 0.00	46.34 0.34 0.00	48.29 -0.03 0.00	68.36 -0.41 0.00	52.44 -0.44 0.00	48.28 -0.86 4.39	51.80 -0.84 3.47	41.35 -0.21 7.73	42.75 -0.10 4.05	42.88 -0.09 4.92	41.80 -0.76 8.49	37.35 -0.85 7.49	38.92 -0.76 4.73	42.76 -1.44 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	41.11 1.21 0.00	36.86 1.05 0.00	29.57 0.77 0.00	29.73 0.75 0.00	30.50 0.78 0.00	38.41 0.97 0.00	47.33 1.26 0.00	47.92 1.52 0.00	48.72 1.77 0.00	49.25 1.97 0.00	88.57 2.07 -42.88	57.00 2.26 -8.73	50.85 2.54 0.00	72.23 3.45 0.00	55.71 2.83 0.00	56.66 3.14 0.00	59.75 3.63 0.00	53.00 3.71 0.00	50.68 3.78 0.00	51.37 3.47 0.00	53.95 2.90 0.00	48.19 2.50 0.00	47.03 2.61 0.00	46.82 2.62 0.00
MILLWOOD_13_KV_LOAD 356217	41.19 1.29 0.00	36.94 1.13 0.00	29.63 0.83 0.00	29.79 0.81 0.00	30.56 0.84 0.00	38.48 1.05 0.00	47.42 1.36 0.00	48.02 1.62 0.00	48.83 1.87 0.00	49.36 2.09 0.00	88.67 2.17 -42.88	57.11 2.37 -8.73	50.98 2.66 0.00	72.41 3.64 0.00	55.86 2.98 0.00	56.82 3.30 0.00	59.92 3.80 0.00	53.15 3.86 0.00	50.82 3.91 0.00	51.51 3.61 0.00	54.10 3.05 0.00	48.32 2.63 0.00	47.14 2.73 0.00	46.93 2.73 0.00
MODEL_CITY_ENERGY 24167	37.26 -2.65 0.00	33.41 -2.40 0.00	26.92 -1.88 0.00	27.15 -1.83 0.00	27.92 -1.80 0.00	35.19 -2.24 0.00	43.72 -2.35 0.00	44.06 -2.34 0.00	44.50 -2.46 0.00	45.06 -2.22 0.00	41.74 -1.87 0.00	43.88 -2.13 0.00	45.65 -2.67 0.00	64.56 -4.22 0.00	49.75 -3.13 0.00	43.47 -3.51 6.54	47.08 -3.86 5.17	34.70 -3.05 11.54	37.91 -2.95 6.04	37.57 -2.98 7.35	34.66 -3.72 12.67	31.17 -3.34 11.18	34.27 -3.08 7.06	40.38 -3.83 0.00
MODERN_LFGE__ 323580	37.26 -2.65 0.00	33.41 -2.40 0.00	26.92 -1.88 0.00	27.15 -1.83 0.00	27.92 -1.80 0.00	35.19 -2.24 0.00	43.72 -2.35 0.00	44.06 -2.34 0.00	44.50 -2.46 0.00	45.06 -2.22 0.00	41.74 -1.87 0.00	43.88 -2.13 0.00	45.65 -2.67 0.00	64.56 -4.22 0.00	49.75 -3.13 0.00	43.47 -3.51 6.54	47.08 -3.86 5.17	34.70 -3.05 11.54	37.91 -2.95 6.04	37.57 -2.98 7.35	34.66 -3.72 12.67	31.17 -3.34 11.18	34.27 -3.08 7.06	40.38 -3.83 0.00
MOHAWK_PAPER__DRP 24187	40.96 1.06 0.00	36.81 1.00 0.00	29.64 0.85 0.00	29.81 0.84 0.00	30.60 0.88 0.00	38.52 1.08 0.00	47.38 1.32 0.00	47.74 1.34 0.00	48.25 1.30 0.00	48.43 1.15 0.00	44.38 0.76 0.00	46.78 0.77 0.00	49.18 0.86 0.00	70.46 1.68 0.00	54.06 1.17 0.00	54.90 1.37 0.00	57.49 1.37 0.00	50.93 1.65 0.00	48.61 1.70 0.00	49.53 1.63 0.00	52.62 1.57 0.00	47.09 1.40 0.00	45.75 1.34 0.00	45.66 1.45 0.00
MOHICAN__35_KV_115KV_LD 80490	41.71 1.81 0.00	37.52 1.70 0.00	30.26 1.46 0.00	30.48 1.51 0.00	31.33 1.61 0.00	39.43 1.99 0.00	48.44 2.37 0.00	48.67 2.27 0.00	49.04 2.09 0.00	48.97 1.69 0.00	44.73 1.11 0.00	47.22 1.22 0.00	49.62 1.31 0.00	71.68 2.91 0.00	54.98 2.10 0.00	56.04 2.52 0.00	59.03 2.91 0.00	52.55 3.26 0.00	50.14 3.23 0.00	51.06 3.17 0.00	54.13 3.07 0.00	48.44 2.76 0.00	47.01 2.59 0.00	46.77 2.57 0.00

MONGAUP___HYD 23641	41.28 1.37 0.00	37.01 1.20 0.00	29.69 0.90 0.00	29.85 0.87 0.00	30.61 0.88 0.00	38.57 1.13 0.00	47.60 1.54 0.00	48.15 1.76 0.00	48.60 1.65 0.00	49.06 1.78 0.00	9.38 1.68 35.91	40.29 1.60 7.32	50.09 1.78 0.00	72.00 3.23 0.00	55.42 2.55 0.00	56.48 2.95 0.00	59.60 3.49 0.00	52.62 3.33 0.00	50.56 3.65 0.00	51.54 3.64 0.00	54.31 3.26 0.00	48.45 2.77 0.00	47.15 2.73 0.00	46.85 2.64 0.00
MONTAUK___DIESEL 23721	42.64 2.74 0.00	38.54 2.73 0.00	31.20 2.40 0.00	31.63 2.66 0.00	32.49 2.76 0.00	40.55 3.11 0.00	49.25 3.18 0.00	49.92 3.52 0.00	50.96 4.01 0.00	51.25 3.97 0.00	86.85 4.25 -38.99	58.39 4.44 -7.94	52.79 4.48 0.00	73.66 4.88 0.00	56.69 3.81 0.00	57.36 3.84 0.00	60.55 4.44 0.00	53.52 4.23 0.00	50.46 3.55 0.00	51.06 3.16 0.00	53.21 2.16 0.00	47.73 2.04 0.00	46.75 2.34 0.00	46.35 2.15 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	37.42 -2.49 0.00	33.70 -2.11 0.00	26.84 -1.96 0.00	27.19 -1.79 0.00	28.04 -1.68 0.00	35.46 -1.98 0.00	44.23 -1.84 0.00	45.46 -0.93 0.00	45.56 -1.39 0.00	46.29 -0.99 0.00	43.24 -0.38 0.00	45.63 -0.37 0.00	47.73 -0.58 0.00	68.04 -0.74 0.00	52.07 -0.81 0.00	46.27 -1.48 5.78	49.83 -1.72 4.57	38.98 -0.12 10.18	41.78 0.21 5.34	40.68 -0.73 6.49	38.20 -1.67 11.18	33.91 -1.91 9.86	36.40 -1.78 6.24	41.81 -2.39 0.00
MORRIS_RIDGE___SOLAR 323848	37.98 -1.92 0.00	34.05 -1.76 0.00	27.22 -1.57 0.00	27.40 -1.58 0.00	28.19 -1.54 0.00	35.58 -1.86 0.00	44.20 -1.87 0.00	44.75 -1.65 0.00	45.30 -1.65 0.00	45.91 -1.37 0.00	42.42 -1.20 0.00	44.84 -1.17 0.00	46.99 -1.32 0.00	66.51 -2.27 0.00	50.89 -1.99 0.00	12.25 -2.55 38.72	22.82 -2.70 30.59	-20.68 -1.67 68.31	9.86 -1.29 35.75	3.05 -1.36 43.50	-26.27 -2.34 74.98	-22.74 -2.32 66.10	0.33 -2.30 41.78	41.52 -2.67 0.02
MORTIMER_115KV_TB3 55949	38.94 -0.96 0.00	34.89 -0.92 0.00	28.07 -0.73 0.00	28.28 -0.70 0.00	29.05 -0.67 0.00	36.66 -0.78 0.00	45.45 -0.61 0.00	45.85 -0.55 0.00	46.44 -0.51 0.00	46.93 -0.35 0.00	43.47 -0.15 0.00	45.76 -0.24 0.00	47.86 -0.45 0.00	67.94 -0.84 0.00	52.26 -0.62 0.00	52.60 -0.92 0.00	55.23 -0.89 0.00	48.61 -0.68 0.00	46.43 -0.48 0.00	47.38 -0.52 0.00	49.90 -1.15 0.00	44.52 -1.16 0.00	43.26 -1.16 0.00	42.74 -1.46 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	41.39 1.49 0.00	37.10 1.29 0.00	29.76 0.96 0.00	29.91 0.93 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.63 1.57 0.00	48.26 1.86 0.00	49.12 2.17 0.00	49.70 2.42 0.00	85.48 2.55 -39.32	56.74 2.73 -8.01	51.27 2.96 0.00	72.66 3.88 0.00	56.08 3.20 0.00	57.03 3.50 0.00	60.13 4.02 0.00	53.33 4.04 0.00	51.02 4.12 0.00	51.66 3.76 0.00	54.21 3.16 0.00	48.48 2.80 0.00	47.42 3.01 0.00	47.26 3.06 0.00
MUNSVILLE_WIND_PWR 323609	41.96 2.05 0.00	37.47 1.66 0.00	29.64 0.84 0.00	29.72 0.75 0.00	30.47 0.75 0.00	38.62 1.18 0.00	47.80 1.73 0.00	48.23 1.83 0.00	49.03 2.08 0.00	49.01 1.73 0.00	45.50 1.89 0.00	48.03 2.02 0.00	50.64 2.33 0.00	72.27 3.50 0.00	55.23 2.36 0.00	58.04 2.93 -1.59	60.58 3.21 -1.26	54.93 2.83 -2.81	51.55 3.17 -1.47	52.14 2.45 -1.79	56.49 2.36 -3.08	49.95 1.55 -2.72	47.53 1.40 -1.72	45.76 1.56 0.00
N SALMON___HYD 24042	40.23 0.32 0.00	36.09 0.27 0.00	29.07 0.28 0.00	29.29 0.31 0.00	30.01 0.28 0.00	37.90 0.46 0.00	46.49 0.43 0.00	46.82 0.42 0.00	47.36 0.41 0.00	47.81 0.53 0.00	44.12 0.50 0.00	46.50 0.49 0.00	48.64 0.33 0.00	68.77 -0.01 0.00	53.04 0.16 0.00	53.48 -0.04 0.00	56.10 -0.01 0.00	49.02 -0.27 0.00	46.41 -0.49 0.00	47.33 -0.58 0.00	50.95 -0.10 0.00	45.60 -0.08 0.00	44.06 -0.36 0.00	43.79 -0.42 0.00
N.AKRON___115KV_KNAPP 355671	38.55 -1.35 0.00	34.55 -1.26 0.00	27.80 -1.00 0.00	28.04 -0.94 0.00	28.83 -0.89 0.00	36.40 -1.04 0.00	45.27 -0.80 0.00	45.74 -0.66 0.00	46.28 -0.67 0.00	46.84 -0.43 0.00	43.47 -0.15 0.00	45.62 -0.39 0.00	47.51 -0.81 0.00	67.21 -1.56 0.00	51.59 -1.29 0.00	46.55 -1.74 5.23	50.17 -1.82 4.13	38.90 -1.19 9.21	41.03 -1.05 4.83	40.96 -1.07 5.87	39.15 -1.79 10.12	35.06 -1.70 8.92	37.26 -1.51 5.64	42.05 -2.16 0.00
N.BELMOR_69_KV_BK1 55787	41.59 1.69 0.00	37.34 1.53 0.00	30.00 1.20 0.00	30.22 1.25 0.00	31.00 1.28 0.00	38.90 1.46 0.00	47.76 1.70 0.00	48.39 1.99 0.00	49.29 2.34 0.00	49.77 2.49 0.00	85.32 2.71 -38.99	56.95 3.00 -7.94	51.77 3.46 0.00	72.95 4.17 0.00	56.34 3.46 0.00	57.37 3.85 0.00	60.45 4.33 0.00	53.68 4.40 0.00	51.21 4.30 0.00	52.02 4.12 0.00	54.48 3.43 0.00	48.81 3.12 0.00	47.65 3.24 0.00	47.47 3.27 0.00
N.E._GEN_SANDY PD 24062	38.98 1.09 2.01	37.30 1.04 -0.45	29.72 0.92 0.00	29.90 0.92 0.00	30.76 0.95 -0.07	38.60 1.16 0.00	47.41 1.35 0.00	47.79 1.39 0.00	48.34 1.39 0.00	48.57 1.29 0.00	54.47 0.88 -9.97	49.30 0.86 -2.44	49.16 0.85 0.00	64.50 1.60 5.88	53.88 1.00 0.00	54.89 1.37 0.00	57.51 1.40 0.00	52.07 1.82 -0.97	48.83 1.93 0.00	49.29 1.75 0.36	52.74 1.69 0.00	47.21 1.53 0.00	45.97 1.51 -0.05	46.41 1.73 -0.48
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	41.09 1.19 0.00	36.85 1.04 0.00	29.55 0.75 0.00	29.70 0.72 0.00	30.47 0.75 0.00	38.38 0.95 0.00	47.33 1.26 0.00	47.92 1.52 0.00	48.68 1.73 0.00	49.23 1.95 0.00	92.08 2.05 -46.41	57.72 2.26 -9.45	50.93 2.62 0.00	72.41 3.64 0.00	55.87 2.99 0.00	56.82 3.30 0.00	59.94 3.83 0.00	53.16 3.87 0.00	50.83 3.92 0.00	51.50 3.60 0.00	54.07 3.01 0.00	48.24 2.56 0.00	47.05 2.64 0.00	46.81 2.61 0.00
N.QUEENS_27_KV_LOAD 356247	41.41 1.51 0.00	37.13 1.32 0.00	29.79 0.99 0.00	29.90 0.92 0.00	30.67 0.94 0.00	38.63 1.20 0.00	47.61 1.54 0.00	48.29 1.89 0.00	49.16 2.21 0.00	49.77 2.49 0.00	85.56 2.62 -39.33	56.80 2.79 -8.01	51.36 3.04 0.00	72.71 3.93 0.00	56.18 3.30 0.00	57.09 3.56 0.00	60.19 4.08 0.00	53.39 4.10 0.00	51.09 4.19 0.00	51.70 3.80 0.00	54.26 3.21 0.00	48.55 2.86 0.00	47.43 3.01 0.00	47.23 3.02 0.00
N.TROY___115KV_TB1 355778	41.08 1.17 0.00	36.92 1.11 0.00	29.74 0.94 0.00	29.94 0.96 0.00	30.73 1.00 0.00	38.67 1.23 0.00	47.57 1.50 0.00	47.90 1.50 0.00	48.37 1.42 0.00	48.55 1.27 0.00	44.41 0.79 0.00	46.82 0.81 0.00	49.13 0.81 0.00	70.49 1.71 0.00	54.00 1.12 0.00	54.92 1.40 0.00	57.47 1.36 0.00	51.02 1.73 0.00	48.70 1.79 0.00	49.60 1.70 0.00	52.76 1.71 0.00	47.24 1.56 0.00	45.90 1.48 0.00	45.82 1.61 0.00
NARROWS_GT1_1 24228	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.12 4.21 0.00	51.63 3.73 0.00	54.18 3.13 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00

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NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	41.44 1.53 0.00	37.21 1.40 0.00	29.96 1.17 0.00	30.14 1.16 0.00	30.94 1.22 0.00	39.00 1.56 0.00	48.05 1.99 0.00	48.40 2.00 0.00	48.75 1.79 0.00	48.64 1.36 0.00	-8.89 0.81 53.32	34.84 0.61 11.77	48.83 0.52 0.00	70.45 1.67 0.00	54.45 1.57 0.00	55.45 1.92 0.00	58.12 2.01 0.00	51.53 2.24 0.00	49.23 2.32 0.00	50.15 2.25 0.00	53.18 2.13 0.00	47.55 1.87 0.00	46.22 1.81 0.00	46.13 1.93 0.00
NCHELSEA_115KV_TR2 355582	41.41 1.50 0.00	37.11 1.30 0.00	29.78 0.98 0.00	29.95 0.97 0.00	30.71 0.99 0.00	38.69 1.25 0.00	47.69 1.63 0.00	48.28 1.88 0.00	49.05 2.09 0.00	49.56 2.28 0.00	45.91 2.29 0.00	48.47 2.46 0.00	51.13 2.81 0.00	72.76 3.99 0.00	56.13 3.26 0.00	57.13 3.61 0.00	60.20 4.09 0.00	53.42 4.13 0.00	51.07 4.17 0.00	51.80 3.90 0.00	54.46 3.41 0.00	48.62 2.94 0.00	47.37 2.95 0.00	47.12 2.92 0.00
NEG CAPITAL___MECHNVIL 23645	41.58 1.67 0.00	37.35 1.53 0.00	30.08 1.28 0.00	30.27 1.29 0.00	31.08 1.35 0.00	39.14 1.70 0.00	48.20 2.14 0.00	48.51 2.11 0.00	48.95 2.00 0.00	49.08 1.80 0.00	44.94 1.33 0.00	47.42 1.41 0.00	49.86 1.54 0.00	71.70 2.92 0.00	54.95 2.07 0.00	55.87 2.35 0.00	58.59 2.48 0.00	52.00 2.71 0.00	49.60 2.69 0.00	50.55 2.65 0.00	53.68 2.63 0.00	48.02 2.34 0.00	46.63 2.22 0.00	46.43 2.22 0.00
NEG CENTRAL_HIGH_ACRES 23767	38.51 -1.39 0.00	34.52 -1.30 0.00	27.76 -1.04 0.00	27.96 -1.02 0.00	28.73 -1.00 0.00	36.25 -1.19 0.00	44.91 -1.16 0.00	45.28 -1.12 0.00	45.83 -1.12 0.00	46.27 -1.01 0.00	42.87 -0.74 0.00	45.16 -0.84 0.00	47.29 -1.03 0.00	67.16 -1.61 0.00	51.64 -1.24 0.00	52.04 -1.48 0.00	54.66 -1.46 0.00	48.07 -1.21 0.00	45.93 -0.98 0.00	46.86 -1.04 0.00	49.41 -1.64 0.00	44.08 -1.60 0.00	42.80 -1.61 0.00	42.34 -1.86 0.00
NEG CENTRAL___DRP 24199	39.71 -0.20 0.00	35.64 -0.18 0.00	28.58 -0.21 0.00	28.75 -0.23 0.00	29.56 -0.17 0.00	37.31 -0.13 0.00	46.16 0.09 0.00	46.60 0.21 0.00	46.99 0.04 0.00	47.37 0.09 0.00	43.91 0.30 0.00	46.35 0.34 0.00	48.67 0.36 0.00	68.87 0.09 0.00	53.02 0.14 0.00	56.49 0.32 -2.65	58.64 0.43 -2.10	54.44 0.47 -4.68	49.93 0.57 -2.45	51.47 0.59 -2.98	56.15 -0.04 -5.14	49.98 -0.23 -4.53	46.99 -0.29 -2.86	43.91 -0.30 0.00
NEG CENTRAL___INDECK 23768	39.64 -0.27 0.00	35.47 -0.35 0.00	28.42 -0.37 0.00	28.60 -0.38 0.00	29.42 -0.30 0.00	37.22 -0.22 0.00	46.37 0.31 0.00	46.93 0.53 0.00	47.47 0.52 0.00	47.95 0.68 0.00	44.19 0.57 0.00	46.63 0.62 0.00	48.77 0.46 0.00	68.68 -0.09 0.00	52.51 -0.37 0.00	80.88 -0.29 -27.65	77.28 -0.67 -21.84	98.85 0.79 -48.78	73.52 1.09 -25.53	80.11 1.15 -31.06	105.02 0.43 -53.54	92.93 0.05 -47.20	74.16 -0.08 -29.83	43.59 -0.62 -0.01
NEG CENTRAL___SENECA 23627	39.57 -0.34 0.00	35.51 -0.30 0.00	28.45 -0.34 0.00	28.64 -0.34 0.00	29.46 -0.27 0.00	37.22 -0.21 0.00	46.11 0.04 0.00	46.61 0.21 0.00	47.04 0.08 0.00	47.44 0.17 0.00	44.01 0.39 0.00	46.44 0.44 0.00	48.75 0.44 0.00	68.76 -0.02 0.00	52.95 0.07 0.00	57.96 0.29 -4.15	59.81 0.42 -3.28	57.02 0.42 -7.31	51.22 0.49 -3.83	53.05 0.50 -4.66	58.77 -0.31 -8.03	52.31 -0.45 -7.08	48.37 -0.52 -4.47	43.70 -0.51 0.00
NEG CENTRAL___STATE_STREET 24147	40.10 0.19 0.00	36.00 0.18 0.00	28.91 0.11 0.00	28.99 0.02 0.00	29.85 0.13 0.00	37.58 0.14 0.00	46.50 0.44 0.00	46.89 0.49 0.00	47.13 0.18 0.00	47.42 0.14 0.00	43.91 0.29 0.00	46.38 0.37 0.00	48.73 0.42 0.00	69.27 0.49 0.00	53.29 0.41 0.00	55.13 0.48 -1.12	57.59 0.59 -0.89	52.00 0.73 -1.98	48.80 0.86 -1.04	50.18 1.02 -1.26	53.85 0.63 -2.17	47.85 0.25 -1.91	45.80 0.18 -1.21	44.40 0.19 0.00
NEG MILLWOOD___DRP 24198	41.55 1.64 0.00	37.22 1.41 0.00	29.87 1.07 0.00	30.02 1.05 0.00	30.80 1.07 0.00	38.80 1.37 0.00	47.84 1.78 0.00	48.46 2.06 0.00	49.23 2.28 0.00	49.75 2.48 0.00	46.13 2.51 0.00	48.70 2.70 0.00	51.35 3.04 0.00	73.04 4.26 0.00	56.38 3.50 0.00	57.41 3.88 0.00	60.46 4.35 0.00	53.68 4.39 0.00	51.34 4.43 0.00	52.08 4.17 0.00	54.71 3.66 0.00	48.84 3.16 0.00	47.58 3.17 0.00	47.32 3.11 0.00
NEG NORTH_FLCN_SEA 23793	40.25 0.34 0.00	36.13 0.32 0.00	29.10 0.31 0.00	29.32 0.34 0.00	30.05 0.32 0.00	37.91 0.47 0.00	46.47 0.41 0.00	46.75 0.36 0.00	47.26 0.31 0.00	47.71 0.44 0.00	43.98 0.36 0.00	46.37 0.37 0.00	48.54 0.23 0.00	68.78 0.00 0.00	52.88 0.00 0.00	53.56 0.03 0.00	56.15 0.04 0.00	48.97 -0.32 0.00	46.42 -0.48 0.00	47.28 -0.63 0.00	50.77 -0.28 0.00	45.46 -0.23 0.00	43.98 -0.43 0.00	43.79 -0.41 0.00
NEG NORTH_KES_CHATEGAY 23792	39.91 0.01 0.00	35.80 -0.01 0.00	28.82 0.03 0.00	29.05 0.07 0.00	29.75 0.02 0.00	37.56 0.12 0.00	46.07 0.01 0.00	46.36 -0.04 0.00	46.87 -0.08 0.00	47.28 0.00 0.00	43.59 -0.03 0.00	45.98 -0.03 0.00	48.08 -0.23 0.00	67.93 -0.85 0.00	52.39 -0.49 0.00	52.87 -0.66 0.00	55.39 -0.72 0.00	48.42 -0.87 0.00	45.80 -1.11 0.00	46.72 -1.18 0.00	50.31 -0.75 0.00	45.04 -0.64 0.00	43.60 -0.81 0.00	43.38 -0.82 0.00
NEG NORTH___ALICE_FALLS 23915	40.31 0.41 0.00	36.19 0.37 0.00	29.15 0.36 0.00	29.37 0.39 0.00	30.10 0.37 0.00	37.98 0.54 0.00	46.56 0.49 0.00	46.84 0.45 0.00	47.34 0.39 0.00	47.78 0.50 0.00	44.03 0.42 0.00	46.44 0.44 0.00	48.60 0.29 0.00	68.84 0.06 0.00	52.97 0.10 0.00	53.62 0.09 0.00	56.22 0.11 0.00	49.08 -0.21 0.00	46.54 -0.36 0.00	47.40 -0.50 0.00	50.93 -0.12 0.00	45.60 -0.09 0.00	44.08 -0.33 0.00	43.87 -0.33 0.00
NEG NORTH___LWR_SARANAC 23913	40.31 0.41 0.00	36.19 0.37 0.00	29.15 0.36 0.00	29.37 0.39 0.00	30.10 0.37 0.00	37.98 0.54 0.00	46.56 0.49 0.00	46.84 0.45 0.00	47.34 0.39 0.00	47.78 0.50 0.00	44.03 0.42 0.00	46.44 0.44 0.00	48.60 0.29 0.00	68.84 0.06 0.00	52.97 0.10 0.00	53.62 0.09 0.00	56.22 0.11 0.00	49.08 -0.21 0.00	46.54 -0.36 0.00	47.40 -0.50 0.00	50.93 -0.12 0.00	45.60 -0.09 0.00	44.08 -0.33 0.00	43.87 -0.33 0.00
NEG NORTH___PLATTSBURG 23628	40.31 0.41 0.00	36.19 0.37 0.00	29.15 0.35 0.00	29.37 0.39 0.00	30.10 0.37 0.00	37.98 0.54 0.00	46.56 0.49 0.00	46.84 0.44 0.00	47.34 0.38 0.00	47.78 0.50 0.00	44.03 0.41 0.00	46.44 0.44 0.00	48.60 0.29 0.00	68.84 0.06 0.00	52.97 0.10 0.00	53.62 0.09 0.00	56.22 0.11 0.00	49.08 -0.21 0.00	46.54 -0.36 0.00	47.40 -0.50 0.00	50.93 -0.12 0.00	45.60 -0.09 0.00	44.09 -0.33 0.00	43.87 -0.33 0.00
NEG WEST_LEA_LOCKPORT 23791	37.65 -2.26 0.00	33.74 -2.07 0.00	27.17 -1.63 0.00	27.41 -1.57 0.00	28.19 -1.53 0.00	35.54 -1.90 0.00	44.15 -1.91 0.00	44.53 -1.87 0.00	45.03 -1.92 0.00	45.59 -1.69 0.00	42.27 -1.35 0.00	44.32 -1.69 0.00	46.03 -2.28 0.00	65.03 -3.75 0.00	49.98 -2.90 0.00	43.47 -3.40 6.66	47.14 -3.71 5.26	34.53 -3.02 11.73	37.99 -2.77 6.15	37.59 -2.83 7.47	34.49 -3.68 12.89	31.02 -3.30 11.37	34.39 -2.84 7.19	40.84 -3.36 0.00

NEG WEST___LANCASTR 23811	38.07 -1.83 0.00	34.09 -1.73 0.00	27.41 -1.39 0.00	27.64 -1.34 0.00	28.43 -1.30 0.00	35.88 -1.56 0.00	44.56 -1.51 0.00	44.98 -1.42 0.00	45.59 -1.36 0.00	46.09 -1.19 0.00	42.76 -0.86 0.00	44.97 -1.04 0.00	46.93 -1.38 0.00	66.65 -2.13 0.00	51.34 -1.54 0.00	43.07 -1.86 8.60	47.35 -1.97 6.79	32.59 -1.54 15.16	37.53 -1.44 7.94	36.80 -1.45 9.65	32.22 -2.19 16.65	28.99 -2.01 14.68	33.17 -1.97 9.28	41.48 -2.72 0.00
NEG_PENN_ALLEGHNY 23528	39.69 -0.22 0.00	35.70 -0.11 0.00	28.62 -0.17 0.00	28.82 -0.16 0.00	29.61 -0.11 0.00	37.36 -0.08 0.00	46.07 0.01 0.00	46.36 -0.04 0.00	46.91 -0.05 0.00	47.25 -0.03 0.00	43.78 0.16 0.00	46.19 0.18 0.00	48.61 0.30 0.00	69.37 0.60 0.00	53.39 0.51 0.00	55.00 0.39 -1.08	57.41 0.45 -0.85	51.97 0.78 -1.90	48.83 0.93 -1.00	50.01 0.90 -1.21	53.56 0.41 -2.09	47.69 0.16 -1.84	45.72 0.15 -1.16	44.21 0.01 0.00
NEG___GEN_MONROE 24207	39.17 -0.74 0.00	35.08 -0.73 0.00	28.21 -0.59 0.00	28.45 -0.53 0.00	29.21 -0.51 0.00	36.88 -0.56 0.00	45.77 -0.30 0.00	46.22 -0.18 0.00	46.82 -0.13 0.00	47.30 0.03 0.00	43.85 0.23 0.00	46.18 0.17 0.00	48.19 -0.13 0.00	68.40 -0.38 0.00	52.57 -0.30 0.00	52.91 -0.61 0.00	55.55 -0.57 0.00	48.95 -0.33 0.00	46.78 -0.13 0.00	47.78 -0.13 0.00	50.26 -0.79 0.00	44.84 -0.85 0.00	43.57 -0.85 0.00	42.96 -1.24 0.00
NEPA___ENERGY 23901	37.82 -2.08 0.00	34.16 -1.65 0.00	27.31 -1.49 0.00	27.57 -1.41 0.00	28.44 -1.28 0.00	35.90 -1.54 0.00	44.49 -1.58 0.00	45.13 -1.27 0.00	45.63 -1.32 0.00	46.06 -1.22 0.00	42.89 -0.73 0.00	45.17 -0.84 0.00	47.44 -0.87 0.00	67.77 -1.00 0.00	52.01 -0.87 0.00	44.83 -1.48 7.21	48.92 -1.50 5.70	35.84 -0.73 12.72	39.77 -0.47 6.66	39.08 -0.72 8.10	35.41 -1.67 13.97	31.48 -1.89 12.32	34.86 -1.77 7.79	41.87 -2.34 0.00
NEVERSINK___HYD 23608	40.69 0.79 0.00	36.48 0.67 0.00	29.27 0.47 0.00	29.42 0.44 0.00	30.18 0.45 0.00	38.04 0.60 0.00	46.92 0.86 0.00	47.49 1.09 0.00	48.27 1.32 0.00	48.83 1.55 0.00	31.06 1.56 14.13	44.73 1.67 2.95	50.29 1.98 0.00	71.74 2.97 0.00	55.25 2.37 0.00	56.19 2.66 0.00	59.28 3.16 0.00	52.57 3.28 0.00	50.24 3.34 0.00	51.04 3.14 0.00	53.70 2.65 0.00	47.89 2.21 0.00	46.61 2.20 0.00	46.31 2.10 0.00
NEWKRMKL_115KV_TB1 55635	40.71 0.80 0.00	36.59 0.78 0.00	29.47 0.68 0.00	29.65 0.67 0.00	30.43 0.70 0.00	38.29 0.85 0.00	47.08 1.02 0.00	47.42 1.02 0.00	47.94 0.99 0.00	48.10 0.82 0.00	44.07 0.45 0.00	46.46 0.45 0.00	48.83 0.52 0.00	69.93 1.16 0.00	53.62 0.75 0.00	54.47 0.94 0.00	57.03 0.91 0.00	50.50 1.21 0.00	48.20 1.30 0.00	49.10 1.20 0.00	52.14 1.09 0.00	46.66 0.98 0.00	45.36 0.95 0.00	45.30 1.09 0.00
NEWTON___FALLS_HYD 23847	40.84 0.93 0.00	36.59 0.77 0.00	29.34 0.54 0.00	29.32 0.34 0.00	29.94 0.22 0.00	37.93 0.49 0.00	46.78 0.72 0.00	47.21 0.81 0.00	47.68 0.73 0.00	48.04 0.76 0.00	44.61 1.00 0.00	46.92 0.92 0.00	49.42 1.10 0.00	69.99 1.21 0.00	53.19 0.31 0.00	52.82 -0.70 0.00	55.60 -0.52 0.00	48.26 -1.03 0.00	45.66 -1.24 0.00	46.56 -1.34 0.00	50.44 -0.61 0.00	45.18 -0.51 0.00	43.99 -0.42 0.00	43.87 -0.34 0.00
NGRID_A1_DSASP 323792	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
NGRID_A2_DSASP 323793	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
NGRID_A4_DSASP 323807	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
NIAGARA_115E_LBMP 323715	37.04 -2.87 0.00	33.22 -2.59 0.00	26.77 -2.03 0.00	27.00 -1.97 0.00	27.77 -1.95 0.00	35.00 -2.44 0.00	43.46 -2.61 0.00	43.77 -2.63 0.00	44.20 -2.76 0.00	44.76 -2.52 0.00	41.45 -2.16 0.00	43.58 -2.43 0.00	45.36 -2.95 0.00	64.18 -4.60 0.00	49.52 -3.36 0.00	43.11 -3.71 6.71	46.70 -4.11 5.30	34.23 -3.24 11.83	37.53 -3.18 6.19	37.17 -3.20 7.53	34.14 -3.93 12.98	30.73 -3.50 11.45	33.86 -3.31 7.24	40.10 -4.10 0.00
NIAGARA_115W_LBMP 323714	37.26 -2.64 0.00	33.40 -2.41 0.00	26.92 -1.88 0.00	27.16 -1.82 0.00	27.93 -1.80 0.00	35.18 -2.25 0.00	43.64 -2.42 0.00	43.98 -2.42 0.00	44.45 -2.50 0.00	44.99 -2.29 0.00	41.67 -1.95 0.00	43.79 -2.21 0.00	45.63 -2.68 0.00	64.40 -4.38 0.00	49.58 -3.30 0.00	42.70 -4.23 6.60	46.34 -4.56 5.21	33.46 -4.13 11.69	37.24 -3.58 6.09	36.76 -3.71 7.43	33.42 -4.83 12.80	30.58 -3.85 11.26	33.79 -3.51 7.12	40.06 -4.14 0.00
NIAGARA_230_LBMP 323716	37.40 -2.51 0.00	33.54 -2.28 0.00	27.02 -1.78 0.00	27.26 -1.72 0.00	28.03 -1.70 0.00	35.32 -2.12 0.00	43.79 -2.27 0.00	44.14 -2.26 0.00	44.62 -2.33 0.00	45.15 -2.13 0.00	41.81 -1.81 0.00	43.95 -2.06 0.00	45.81 -2.51 0.00	64.91 -3.87 0.00	50.01 -2.87 0.00	43.84 -3.47 6.21	47.48 -3.73 4.91	35.08 -3.25 10.97	38.24 -2.92 5.74	37.92 -3.00 6.98	35.09 -3.93 12.03	31.60 -3.48 10.60	34.47 -3.24 6.70	40.50 -3.71 0.00
NIAGARA___115KV_198_GIBSON 55903	37.26 -2.64 0.00	33.40 -2.41 0.00	26.92 -1.88 0.00	27.16 -1.82 0.00	27.93 -1.80 0.00	35.18 -2.25 0.00	43.64 -2.42 0.00	43.99 -2.41 0.00	44.46 -2.49 0.00	45.00 -2.28 0.00	41.69 -1.92 0.00	43.78 -2.23 0.00	45.63 -2.69 0.00	64.40 -4.37 0.00	49.58 -3.30 0.00	42.69 -4.24 6.60	46.33 -4.58 5.21	33.44 -4.16 11.69	37.22 -3.60 6.09	36.73 -3.74 7.43	33.37 -4.88 12.80	30.54 -3.89 11.26	33.73 -3.57 7.12	40.06 -4.14 0.00
NIAGARA____ 23760	37.40 -2.51 0.00	33.54 -2.28 0.00	27.02 -1.78 0.00	27.26 -1.72 0.00	28.03 -1.70 0.00	35.32 -2.12 0.00	43.79 -2.27 0.00	44.14 -2.26 0.00	44.62 -2.33 0.00	45.15 -2.13 0.00	41.81 -1.81 0.00	43.95 -2.06 0.00	45.81 -2.51 0.00	64.91 -3.87 0.00	50.01 -2.87 0.00	43.68 -3.47 6.37	47.35 -3.73 5.04	34.81 -3.25 11.23	38.11 -2.92 5.86	37.75 -3.00 7.15	34.80 -3.93 12.32	31.42 -3.48 10.78	34.37 -3.24 6.80	40.50 -3.71 0.00

NINE_MILE_1 23575	38.62 -1.28 0.00	34.66 -1.15 0.00	27.89 -0.91 0.00	28.06 -0.92 0.00	28.78 -0.95 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.81 -1.59 0.00	45.32 -1.63 0.00	45.65 -1.63 0.00	42.17 -1.45 0.00	44.48 -1.53 0.00	46.71 -1.60 0.00	66.45 -2.33 0.00	51.10 -1.78 0.00	51.69 -1.83 0.00	54.20 -1.91 0.00	47.71 -1.57 0.00	45.48 -1.43 0.00	46.41 -1.50 0.00	49.26 -1.79 0.00	44.06 -1.63 0.00	42.82 -1.59 0.00	42.55 -1.65 0.00
NINE_MILE_2 23744	38.63 -1.28 0.00	34.67 -1.14 0.00	27.89 -0.91 0.00	28.06 -0.91 0.00	28.78 -0.95 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.81 -1.59 0.00	45.33 -1.62 0.00	45.65 -1.63 0.00	42.17 -1.45 0.00	44.48 -1.53 0.00	46.71 -1.60 0.00	66.45 -2.33 0.00	51.10 -1.78 0.00	51.69 -1.83 0.00	54.20 -1.91 0.00	47.71 -1.57 0.00	45.48 -1.43 0.00	46.41 -1.49 0.00	49.26 -1.79 0.00	44.06 -1.62 0.00	42.82 -1.59 0.00	42.56 -1.65 0.00
NM_CAPITAL___DRP 24208	40.71 0.81 0.00	36.60 0.79 0.00	29.49 0.69 0.00	29.66 0.68 0.00	30.44 0.71 0.00	38.31 0.87 0.00	47.09 1.02 0.00	47.43 1.03 0.00	47.94 0.99 0.00	48.11 0.83 0.00	44.08 0.46 0.00	46.46 0.45 0.00	48.80 0.49 0.00	69.88 1.10 0.00	53.58 0.70 0.00	54.43 0.91 0.00	56.97 0.86 0.00	50.49 1.20 0.00	48.18 1.27 0.00	49.07 1.17 0.00	52.14 1.09 0.00	46.68 0.99 0.00	45.37 0.96 0.00	45.32 1.12 0.00
NM_CENTRAL___DRP 24181	39.49 -0.42 0.00	35.43 -0.38 0.00	28.47 -0.32 0.00	28.64 -0.33 0.00	29.39 -0.33 0.00	37.07 -0.37 0.00	45.67 -0.39 0.00	45.97 -0.43 0.00	46.50 -0.45 0.00	46.84 -0.44 0.00	43.34 -0.28 0.00	45.74 -0.27 0.00	48.06 -0.26 0.00	68.40 -0.38 0.00	52.58 -0.30 0.00	53.21 -0.31 0.00	55.83 -0.29 0.00	49.22 -0.07 0.00	46.96 0.05 0.00	47.90 0.00 0.00	50.71 -0.34 0.00	45.29 -0.39 0.00	43.99 -0.43 0.00	43.65 -0.55 0.00
NM_FRONTIER___DRP 24179	37.26 -2.64 0.00	33.40 -2.41 0.00	26.92 -1.88 0.00	27.16 -1.82 0.00	27.93 -1.80 0.00	35.18 -2.25 0.00	43.64 -2.42 0.00	43.99 -2.41 0.00	44.46 -2.49 0.00	45.00 -2.28 0.00	41.69 -1.92 0.00	43.78 -2.23 0.00	45.63 -2.69 0.00	64.40 -4.37 0.00	49.58 -3.30 0.00	42.69 -4.24 6.60	46.33 -4.58 5.21	33.44 -4.16 11.69	37.22 -3.60 6.09	36.73 -3.74 7.43	33.37 -4.88 12.80	30.54 -3.89 11.26	33.73 -3.57 7.12	40.06 -4.14 0.00
NM_ST_REGIS___HYD 24053	40.31 0.41 0.00	36.17 0.36 0.00	29.15 0.35 0.00	29.36 0.39 0.00	30.09 0.36 0.00	38.00 0.56 0.00	46.61 0.55 0.00	46.94 0.54 0.00	47.48 0.53 0.00	47.88 0.60 0.00	44.22 0.61 0.00	46.59 0.59 0.00	48.73 0.42 0.00	68.89 0.11 0.00	53.14 0.26 0.00	53.58 0.06 0.00	56.24 0.12 0.00	49.16 -0.13 0.00	46.55 -0.36 0.00	47.47 -0.44 0.00	51.09 0.04 0.00	45.74 0.06 0.00	44.17 -0.24 0.00	43.90 -0.31 0.00
NORTHPORT___1 23551	41.27 1.37 0.00	37.15 1.34 0.00	29.91 1.11 0.00	30.17 1.20 0.00	30.97 1.25 0.00	38.77 1.34 0.00	47.46 1.40 0.00	47.99 1.59 0.00	48.97 2.02 0.00	49.22 1.94 -38.99	85.00 2.39 -7.94	56.58 2.63 0.00	51.33 3.01 0.00	71.96 3.19 0.00	55.27 2.39 0.00	56.11 2.59 0.00	59.09 2.97 0.00	52.52 3.23 0.00	50.14 3.23 0.00	50.91 3.01 0.00	53.25 2.20 0.00	47.82 2.13 0.00	46.80 2.38 0.00	46.75 2.54 0.00
NORTHPORT___2 23552	41.27 1.37 0.00	37.15 1.34 0.00	29.91 1.11 0.00	30.17 1.20 0.00	30.97 1.25 0.00	38.77 1.34 0.00	47.46 1.40 0.00	47.99 1.59 0.00	48.97 2.02 0.00	49.22 1.94 -38.99	85.00 2.39 -7.94	56.58 2.63 0.00	51.33 3.01 0.00	71.96 3.19 0.00	55.27 2.39 0.00	56.11 2.59 0.00	59.09 2.97 0.00	52.52 3.23 0.00	50.14 3.23 0.00	50.91 3.01 0.00	53.25 2.20 0.00	47.82 2.13 0.00	46.80 2.38 0.00	46.75 2.54 0.00
NORTHPORT___3 23553	41.30 1.40 0.00	37.16 1.35 0.00	29.91 1.12 0.00	30.17 1.20 0.00	30.97 1.25 0.00	38.78 1.35 0.00	47.49 1.42 0.00	48.04 1.64 0.00	49.02 2.06 0.00	49.30 2.02 -38.99	85.04 2.43 -7.94	56.64 2.69 0.00	51.39 3.08 0.00	72.10 3.32 0.00	55.43 2.56 0.00	56.28 2.75 0.00	59.27 3.16 0.00	52.67 3.38 0.00	50.28 3.37 0.00	51.05 3.15 0.00	53.40 2.35 0.00	47.94 2.26 0.00	46.91 2.49 0.00	46.84 2.63 0.00
NORTHPORT___4 23650	41.30 1.40 0.00	37.16 1.35 0.00	29.91 1.12 0.00	30.17 1.20 0.00	30.97 1.25 0.00	38.78 1.35 0.00	47.49 1.42 0.00	48.04 1.64 0.00	49.02 2.06 0.00	49.30 2.02 -38.99	85.04 2.43 -7.94	56.64 2.69 0.00	51.39 3.08 0.00	72.10 3.32 0.00	55.43 2.56 0.00	56.28 2.75 0.00	59.27 3.16 0.00	52.67 3.38 0.00	50.28 3.37 0.00	51.05 3.15 0.00	53.40 2.35 0.00	47.94 2.26 0.00	46.91 2.49 0.00	46.84 2.63 0.00
NORTHPORT___IC 23718	41.28 1.37 0.00	37.15 1.34 0.00	29.91 1.11 0.00	30.17 1.20 0.00	30.97 1.25 0.00	38.77 1.34 0.00	47.46 1.40 0.00	47.99 1.60 0.00	48.96 2.00 0.00	49.22 1.94 -38.99	84.98 2.38 -7.94	56.59 2.64 0.00	51.33 3.01 0.00	71.97 3.19 0.00	55.27 2.39 0.00	56.11 2.59 0.00	59.09 2.97 0.00	52.53 3.24 0.00	50.14 3.24 0.00	50.92 3.02 0.00	53.25 2.20 0.00	47.82 2.14 0.00	46.80 2.39 0.00	46.75 2.55 0.00
NORTH___COUNTRY_ESR 323785	39.85 -0.06 0.00	35.74 -0.08 0.00	28.77 -0.03 0.00	28.99 0.01 0.00	29.69 -0.04 0.00	37.48 0.04 0.00	45.98 -0.08 0.00	46.27 -0.12 0.00	46.81 -0.14 0.00	47.25 -0.03 0.00	43.55 -0.07 0.00	45.90 -0.11 0.00	48.04 -0.27 0.00	67.89 -0.88 0.00	52.38 -0.50 0.00	52.83 -0.69 0.00	55.33 -0.78 0.00	48.30 -0.98 0.00	45.70 -1.20 0.00	46.62 -1.28 0.00	50.20 -0.86 0.00	44.94 -0.74 0.00	43.51 -0.90 0.00	43.31 -0.90 0.00
NPX_GEN_1385_PROXY 323591	38.95 0.78 1.73	36.77 0.95 0.00	29.70 0.91 0.00	30.05 1.08 0.00	30.90 1.18 0.00	38.45 1.01 0.00	47.16 1.09 0.00	47.60 1.20 0.00	48.73 1.78 0.00	48.27 0.99 -38.99	84.33 1.73 -7.94	55.92 1.97 0.00	50.05 1.73 0.00	71.30 2.52 0.00	53.75 0.87 0.00	54.73 1.20 0.00	57.84 1.72 0.00	51.82 2.53 0.00	49.72 2.81 0.00	50.58 2.67 0.00	52.68 1.63 0.00	47.29 1.60 0.00	45.87 1.46 0.00	46.19 1.98 0.00
NPX_GEN_CSC 323557	39.62 1.45 1.73	37.30 1.49 0.00	30.23 1.43 0.00	30.70 1.72 0.00	31.51 1.79 0.00	39.19 1.75 0.00	47.40 1.33 0.00	47.94 1.54 0.00	48.91 1.96 0.00	49.12 1.84 -38.99	84.85 2.24 -7.94	56.41 2.46 0.00	51.24 2.93 0.00	71.75 2.97 0.00	55.40 2.52 0.00	56.18 2.65 0.00	59.19 3.08 0.00	52.64 3.36 0.00	50.13 3.23 0.00	50.85 2.95 0.00	53.14 2.09 0.00	47.82 2.14 0.00	46.92 2.51 0.00	46.59 2.38 0.00
NSINS_S_GLNS_FALLS 23858	41.59 1.68 0.00	37.40 1.59 0.00	30.16 1.36 0.00	30.38 1.40 0.00	31.22 1.49 0.00	39.29 1.85 0.00	48.27 2.21 0.00	48.50 2.10 0.00	48.89 1.94 0.00	48.83 1.55 0.00	44.63 1.02 0.00	47.13 1.13 0.00	49.53 1.22 0.00	71.50 2.72 0.00	54.82 1.94 0.00	55.86 2.34 0.00	58.83 2.72 0.00	52.35 3.06 0.00	49.93 3.02 0.00	50.87 2.97 0.00	53.93 2.88 0.00	48.27 2.59 0.00	46.84 2.43 0.00	46.61 2.41 0.00

NUCOR_STEEL____DRP 24197	40.10 0.19 0.00	36.00 0.18 0.00	28.91 0.11 0.00	28.99 0.01 0.00	29.85 0.13 0.00	37.56 0.12 0.00	46.48 0.42 0.00	46.85 0.46 0.00	47.09 0.14 0.00	47.36 0.08 0.00	43.85 0.23 0.00	46.32 0.31 0.00	48.66 0.35 0.00	69.22 0.44 0.00	53.23 0.36 0.00	53.95 0.42 0.00	56.65 0.53 0.00	49.97 0.69 0.00	47.73 0.82 0.00	48.91 1.01 0.00	51.69 0.64 0.00	45.93 0.24 0.00	44.58 0.17 0.00	44.39 0.19 0.00
NUMBER_THREE_WT_PWR 323818	41.29 1.38 0.00	36.92 1.11 0.00	29.52 0.73 0.00	29.30 0.32 0.00	29.82 0.09 0.00	37.84 0.41 0.00	46.81 0.75 0.00	47.25 0.85 0.00	47.82 0.87 0.00	48.11 0.83 0.00	44.81 1.19 0.00	47.12 1.11 0.00	49.86 1.54 0.00	71.03 2.25 0.00	53.79 0.91 0.00	53.49 -0.04 0.00	56.65 0.54 0.00	49.25 -0.04 0.00	46.52 -0.38 0.00	47.27 -0.63 0.00	50.74 -0.31 0.00	45.26 -0.42 0.00	43.96 -0.46 0.00	43.63 -0.58 0.00
NYISO_LBMP_REFERENCE 24008	39.90 0.00 0.00	35.81 0.00 0.00	28.80 0.00 0.00	28.98 0.00 0.00	29.73 0.00 0.00	37.44 0.00 0.00	46.07 0.00 0.00	46.40 0.00 0.00	46.95 0.00 0.00	47.28 0.00 0.00	43.62 0.00 0.00	46.01 0.00 0.00	48.32 0.00 0.00	68.78 0.00 0.00	52.88 0.00 0.00	53.52 0.00 0.00	56.12 0.00 0.00	49.29 0.00 0.00	46.91 0.00 0.00	47.90 0.00 0.00	51.05 0.00 0.00	45.68 0.00 0.00	44.41 0.00 0.00	44.20 0.00 0.00
NYPA_BRENTWD____GT 24164	41.81 1.91 0.00	37.59 1.78 0.00	30.27 1.47 0.00	30.53 1.55 0.00	31.35 1.62 0.00	39.24 1.80 0.00	48.03 1.97 0.00	48.62 2.22 0.00	49.63 2.67 0.00	49.91 2.63 0.00	85.64 3.04 -38.99	57.25 3.30 -7.94	52.15 3.84 0.00	73.17 4.39 0.00	56.43 3.55 0.00	57.12 3.60 0.00	60.15 4.03 0.00	53.45 4.16 0.00	51.01 4.10 0.00	51.77 3.86 0.00	54.25 3.20 0.00	48.76 3.07 0.00	47.68 3.27 0.00	47.49 3.28 0.00
NYPA_GOWANUS____GT5 24156	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.12 4.00 0.00	53.32 4.03 0.00	51.11 4.21 0.00	51.62 3.72 0.00	54.17 3.12 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
NYPA_GOWANUS____GT6 24157	41.31 1.40 0.00	37.03 1.22 0.00	29.70 0.91 0.00	29.85 0.88 0.00	30.61 0.89 0.00	38.59 1.15 0.00	47.50 1.44 0.00	48.10 1.70 0.00	48.92 1.97 0.00	49.53 2.25 0.00	85.40 2.46 -39.33	56.59 2.58 -8.01	51.16 2.85 0.00	72.41 3.63 0.00	56.04 3.16 0.00	56.97 3.45 0.00	60.12 4.00 0.00	53.32 4.03 0.00	51.11 4.21 0.00	51.62 3.72 0.00	54.17 3.12 0.00	48.57 2.88 0.00	47.43 3.02 0.00	47.23 3.03 0.00
NYPA_HARLEM__RVR__GT1 24160	41.33 1.42 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.59 1.15 0.00	47.55 1.48 0.00	48.20 1.81 0.00	49.06 2.11 0.00	49.66 2.38 0.00	85.48 2.54 -39.33	56.68 2.67 -8.01	51.24 2.92 0.00	72.53 3.75 0.00	55.99 3.11 0.00	56.91 3.38 0.00	60.00 3.88 0.00	53.21 3.92 0.00	50.94 4.03 0.00	51.53 3.63 0.00	54.10 3.04 0.00	48.42 2.74 0.00	47.32 2.91 0.00	47.17 2.96 0.00
NYPA_HARLEM__RVR__GT2 24161	41.33 1.42 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.59 1.15 0.00	47.55 1.48 0.00	48.20 1.81 0.00	49.06 2.11 0.00	49.66 2.38 0.00	85.48 2.54 -39.33	56.68 2.67 -8.01	51.24 2.92 0.00	72.53 3.75 0.00	55.99 3.11 0.00	56.91 3.38 0.00	60.00 3.88 0.00	53.21 3.92 0.00	50.94 4.03 0.00	51.53 3.63 0.00	54.10 3.04 0.00	48.42 2.74 0.00	47.32 2.91 0.00	47.17 2.96 0.00
NYPA_KENT____GT 24152	41.34 1.43 0.00	37.07 1.26 0.00	29.73 0.93 0.00	29.88 0.90 0.00	30.63 0.91 0.00	38.60 1.17 0.00	47.55 1.48 0.00	48.16 1.77 0.00	49.02 2.06 0.00	49.62 2.34 0.00	85.48 2.54 -39.33	56.68 2.66 -8.01	51.23 2.92 0.00	72.50 3.73 0.00	56.05 3.17 0.00	56.97 3.45 0.00	60.10 3.99 0.00	53.29 4.00 0.00	51.05 4.15 0.00	51.63 3.72 0.00	54.17 3.12 0.00	48.54 2.85 0.00	47.42 3.01 0.00	47.25 3.05 0.00
NYPA_POUCH1____GT 24155	41.30 1.39 0.00	37.05 1.24 0.00	29.72 0.92 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.59 1.15 0.00	47.46 1.39 0.00	47.98 1.58 0.00	48.71 1.75 0.00	49.28 2.00 0.00	53.39 2.27 -7.49	56.42 2.40 -8.01	51.01 2.69 0.00	72.13 3.36 0.00	55.95 3.07 0.00	56.91 3.39 0.00	60.10 3.99 0.00	53.30 4.02 0.00	51.15 4.24 0.00	51.60 3.70 0.00	54.14 3.09 0.00	48.58 2.90 0.00	47.45 3.04 0.00	47.24 3.03 0.00
NYPA_VERNON____GT2 24162	41.38 1.47 0.00	37.10 1.29 0.00	29.76 0.96 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.59 1.53 0.00	48.23 1.84 0.00	49.10 2.15 0.00	49.70 2.42 0.00	85.57 2.62 -39.33	56.76 2.74 -8.01	51.30 2.99 0.00	72.62 3.84 0.00	56.08 3.20 0.00	57.01 3.49 0.00	60.12 4.00 0.00	53.30 4.01 0.00	51.04 4.13 0.00	51.61 3.71 0.00	54.15 3.10 0.00	48.49 2.81 0.00	47.41 3.00 0.00	47.26 3.06 0.00
NYPA_VERNON____GT3 24163	41.38 1.47 0.00	37.10 1.29 0.00	29.76 0.96 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.59 1.53 0.00	48.23 1.84 0.00	49.10 2.15 0.00	49.70 2.42 0.00	85.57 2.62 -39.33	56.76 2.74 -8.01	51.30 2.99 0.00	72.62 3.84 0.00	56.08 3.20 0.00	57.01 3.49 0.00	60.12 4.00 0.00	53.30 4.01 0.00	51.04 4.13 0.00	51.61 3.71 0.00	54.15 3.10 0.00	48.49 2.81 0.00	47.41 3.00 0.00	47.26 3.06 0.00
NYPA__ASTORIA_CC1 323568	41.31 1.40 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.44 0.00	48.15 1.75 0.00	49.00 2.05 0.00	49.60 2.32 0.00	85.48 2.53 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.88 0.00	53.19 3.90 0.00	50.93 4.03 0.00	51.51 3.60 0.00	54.05 3.00 0.00	48.41 2.73 0.00	47.32 2.90 0.00	47.18 2.98 0.00
NYPA__ASTORIA_CC2 323569	41.31 1.40 0.00	37.04 1.23 0.00	29.72 0.93 0.00	29.86 0.88 0.00	30.62 0.89 0.00	38.58 1.14 0.00	47.51 1.44 0.00	48.15 1.75 0.00	49.00 2.05 0.00	49.60 2.32 0.00	85.48 2.53 -39.33	56.67 2.65 -8.01	51.20 2.89 0.00	72.48 3.70 0.00	55.98 3.10 0.00	56.90 3.38 0.00	60.00 3.88 0.00	53.19 3.90 0.00	50.93 4.03 0.00	51.51 3.60 0.00	54.05 3.00 0.00	48.41 2.73 0.00	47.32 2.90 0.00	47.18 2.98 0.00
NYPA__HOLTSVILL 23794	41.48 1.58 0.00	37.35 1.54 0.00	30.12 1.32 0.00	30.43 1.46 0.00	31.24 1.51 0.00	39.06 1.62 0.00	47.66 1.59 0.00	48.18 1.78 0.00	49.15 2.20 0.00	49.38 2.10 0.00	85.14 2.54 -38.99	56.74 2.79 -7.94	51.58 3.27 0.00	72.30 3.52 0.00	55.75 2.87 0.00	56.53 3.00 0.00	59.46 3.34 0.00	52.87 3.58 0.00	50.42 3.51 0.00	51.16 3.26 0.00	53.50 2.45 0.00	48.16 2.47 0.00	47.17 2.76 0.00	46.98 2.77 0.00

NYPA_____HELLGATE_GT1 24158	41.33 1.43 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.59 1.15 0.00	47.55 1.48 0.00	48.20 1.81 0.00	49.06 2.11 0.00	49.66 2.38 0.00	85.47 2.52 -39.33	56.64 2.62 -8.01	51.20 2.88 0.00	72.51 3.74 0.00	56.03 3.16 0.00	56.95 3.43 0.00	60.05 3.93 0.00	53.25 3.96 0.00	50.97 4.07 0.00	51.57 3.67 0.00	54.14 3.08 0.00	48.46 2.77 0.00	47.33 2.92 0.00	47.14 2.94 0.00
NYPA_____HELLGATE_GT2 24159	41.33 1.43 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.86 0.88 0.00	30.63 0.90 0.00	38.59 1.15 0.00	47.55 1.48 0.00	48.20 1.81 0.00	49.06 2.11 0.00	49.66 2.38 0.00	85.47 2.52 -39.33	56.64 2.62 -8.01	51.20 2.88 0.00	72.51 3.74 0.00	56.03 3.16 0.00	56.95 3.43 0.00	60.05 3.93 0.00	53.25 3.96 0.00	50.97 4.07 0.00	51.57 3.67 0.00	54.14 3.08 0.00	48.46 2.77 0.00	47.33 2.92 0.00	47.14 2.94 0.00
NYS_BARGE___HYD 23848	37.65 -2.25 0.00	33.76 -2.06 0.00	27.19 -1.61 0.00	27.42 -1.56 0.00	28.19 -1.53 0.00	35.55 -1.88 0.00	44.19 -1.88 0.00	44.56 -1.84 0.00	45.04 -1.91 0.00	45.61 -1.67 0.00	42.26 -1.35 0.00	44.40 -1.61 0.00	46.15 -2.17 0.00	65.24 -3.54 0.00	50.17 -2.71 0.00	44.19 -3.12 6.22	47.76 -3.44 4.91	35.64 -2.70 10.95	38.62 -2.54 5.74	38.36 -2.57 6.98	35.67 -3.36 12.03	32.05 -3.03 10.61	35.03 -2.68 6.71	40.86 -3.34 0.00
OAK ORCHARD___HYD 24046	38.95 -0.96 0.00	34.90 -0.91 0.00	28.07 -0.73 0.00	28.28 -0.70 0.00	29.05 -0.67 0.00	36.66 -0.78 0.00	45.45 -0.61 0.00	45.85 -0.55 0.00	46.44 -0.52 0.00	46.92 -0.35 0.00	43.46 -0.16 0.00	45.77 -0.23 0.00	47.86 -0.45 0.00	67.94 -0.84 0.00	52.26 -0.62 0.00	52.62 -0.90 0.00	55.23 -0.88 0.00	48.62 -0.67 0.00	46.44 -0.47 0.00	47.40 -0.50 0.00	49.92 -1.13 0.00	44.56 -1.13 0.00	43.29 -1.12 0.00	42.73 -1.47 0.00
OAKDALE__35_KV_LOAD 356122	39.57 -0.33 0.00	35.59 -0.22 0.00	28.53 -0.26 0.00	28.73 -0.25 0.00	29.52 -0.20 0.00	37.22 -0.22 0.00	45.88 -0.18 0.00	46.19 -0.21 0.00	46.73 -0.22 0.00	47.07 -0.21 0.00	43.60 -0.02 0.00	46.00 -0.01 0.00	48.39 0.08 0.00	69.07 0.29 0.00	53.18 0.30 0.00	54.84 0.17 -1.14	57.22 0.20 -0.90	51.85 0.55 -2.01	48.68 0.73 -1.05	49.85 0.67 -1.28	53.43 0.18 -2.21	47.60 -0.03 -1.94	45.61 -0.03 -1.23	44.06 -0.14 0.00
OCC_CHEM___DRP 24175	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
OH_GEN_PROXY 24063	35.72 -2.46 1.73	33.59 -2.22 0.00	27.05 -1.74 0.00	27.29 -1.68 0.00	28.07 -1.65 0.00	35.36 -2.08 0.00	43.85 -2.21 0.00	44.21 -2.18 0.00	44.71 -2.24 0.00	45.24 -2.04 0.00	41.90 -1.72 0.00	44.03 -1.98 0.00	45.92 -2.40 0.00	65.10 -3.67 0.00	50.16 -2.72 0.00	44.61 -3.31 5.60	48.16 -3.53 4.42	36.31 -3.09 9.89	38.98 -2.76 5.17	38.77 -2.83 6.29	36.45 -3.76 10.85	32.76 -3.36 9.56	35.23 -3.14 6.04	40.62 -3.59 0.00
OLIN_CORP_DRP 24177	37.10 -2.80 0.00	33.28 -2.54 0.00	26.82 -1.98 0.00	27.05 -1.93 0.00	27.82 -1.91 0.00	35.05 -2.38 0.00	43.53 -2.54 0.00	43.85 -2.55 0.00	44.29 -2.66 0.00	44.83 -2.45 0.00	41.56 -2.06 0.00	43.64 -2.36 0.00	45.45 -2.86 0.00	64.31 -4.47 0.00	49.61 -3.27 0.00	42.96 -3.70 6.86	46.68 -4.01 5.42	33.96 -3.24 12.09	37.44 -3.14 6.33	37.03 -3.17 7.70	33.83 -3.95 13.27	30.46 -3.52 11.70	33.69 -3.33 7.40	40.16 -4.04 0.00
OLIN_CORP_DSASP 323712	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
ONEIDA_____HERK_LFGE 323681	40.96 1.05 0.00	36.69 0.88 0.00	29.43 0.63 0.00	29.44 0.46 0.00	30.10 0.37 0.00	38.08 0.64 0.00	47.02 0.95 0.00	47.40 1.00 0.00	47.98 1.03 0.00	48.19 0.92 0.00	44.67 1.05 0.00	47.17 1.16 0.00	49.74 1.43 0.00	70.91 2.14 0.00	54.19 1.32 0.00	54.49 0.97 0.00	57.33 1.22 0.00	50.28 0.99 0.00	47.72 0.81 0.00	48.67 0.77 0.00	51.85 0.80 0.00	46.28 0.59 0.00	44.93 0.52 0.00	44.59 0.38 0.00
ONEIDA_____115KV_TB4 55905	40.85 0.94 0.00	36.60 0.79 0.00	29.37 0.57 0.00	29.52 0.54 0.00	30.24 0.51 0.00	38.21 0.77 0.00	47.17 1.11 0.00	47.55 1.15 0.00	48.12 1.16 0.00	48.27 0.99 0.00	44.63 1.01 0.00	47.38 1.37 0.00	49.93 1.62 0.00	71.22 2.44 0.00	54.73 1.85 0.00	55.30 1.78 0.00	58.00 1.88 0.00	51.06 1.77 0.00	48.49 1.58 0.00	49.52 1.62 0.00	52.52 1.47 0.00	46.86 1.18 0.00	45.49 1.07 0.00	45.10 0.89 0.00
ONONDAGA_REF_OCCRA 23987	39.73 -0.17 0.00	35.64 -0.17 0.00	28.63 -0.17 0.00	28.81 -0.16 0.00	29.57 -0.16 0.00	37.28 -0.16 0.00	45.94 -0.12 0.00	46.25 -0.14 0.00	46.75 -0.20 0.00	47.05 -0.23 0.00	43.55 -0.07 0.00	45.99 -0.02 0.00	48.36 0.04 0.00	68.83 0.05 0.00	52.92 0.05 0.00	53.61 0.09 0.00	56.25 0.13 0.00	49.63 0.34 0.00	47.35 0.45 0.00	48.30 0.40 0.00	51.12 0.07 0.00	45.65 -0.04 0.00	44.34 -0.07 0.00	44.00 -0.21 0.00
ONONDAGA___COGEN 23986	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.93 -0.35 0.00	43.44 -0.18 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.45 0.54 0.00	48.43 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.43 0.02 0.00	44.12 -0.08 0.00
ONTARIO___LFGE 23819	39.57 -0.33 0.00	35.51 -0.30 0.00	28.45 -0.34 0.00	28.64 -0.34 0.00	29.46 -0.27 0.00	37.22 -0.21 0.00	46.11 0.04 0.00	46.62 0.22 0.00	47.03 0.08 0.00	47.45 0.17 0.00	44.00 0.39 0.00	46.44 0.43 0.00	48.76 0.44 0.00	68.76 -0.01 0.00	52.95 0.07 0.00	57.96 0.29 -4.15	59.81 0.42 -3.28	57.02 0.42 -7.31	51.22 0.48 -3.83	53.05 0.49 -4.66	58.78 -0.30 -8.03	52.30 -0.45 -7.08	48.38 -0.51 -4.47	43.70 -0.50 0.00
ORANGEVILLE_WT_PWR 323706	37.74 -2.17 0.00	33.79 -2.03 0.00	27.08 -1.72 0.00	27.27 -1.71 0.00	28.05 -1.67 0.00	35.41 -2.03 0.00	44.05 -2.02 0.00	44.58 -1.81 0.00	45.09 -1.86 0.00	45.72 -1.56 0.00	42.32 -1.30 0.00	44.69 -1.32 0.00	46.71 -1.61 0.00	66.16 -2.62 0.00	50.77 -2.11 0.00	23.95 -2.77 26.80	31.93 -3.01 21.18	-0.15 -2.16 47.28	20.40 -1.76 24.75	15.93 -1.86 30.11	-3.74 -2.88 51.90	-2.78 -2.70 45.76	12.81 -2.68 28.92	41.09 -3.10 0.01

ORANGEVILLE___ESR 323794	37.74 -2.17 0.00	33.79 -2.03 0.00	27.08 -1.72 0.00	27.27 -1.71 0.00	28.05 -1.67 0.00	35.41 -2.03 0.00	44.05 -2.02 0.00	44.58 -1.81 0.00	45.09 -1.86 0.00	45.72 -1.56 0.00	42.32 -1.30 0.00	44.69 -1.32 0.00	46.71 -1.61 0.00	66.16 -2.62 0.00	50.77 -2.11 0.00	23.95 -2.77 26.80	31.93 -3.01 21.18	-0.15 -2.16 47.28	20.40 -1.76 24.75	15.93 -1.86 30.11	-3.74 -2.88 51.90	-2.78 -2.70 45.76	12.81 -2.68 28.92	41.09 -3.10 0.01
OSWEGATCHIE___HYD 24044	40.84 0.93 0.00	36.59 0.77 0.00	29.34 0.54 0.00	29.32 0.34 0.00	29.94 0.22 0.00	37.93 0.49 0.00	46.78 0.72 0.00	47.21 0.81 0.00	47.68 0.73 0.00	48.04 0.76 0.00	44.61 0.99 0.00	46.92 0.92 0.00	49.42 1.10 0.00	69.99 1.21 0.00	53.19 0.31 0.00	52.83 -0.70 0.00	55.60 -0.52 0.00	48.25 -1.04 0.00	45.67 -1.24 0.00	46.56 -1.34 0.00	50.44 -0.61 0.00	45.18 -0.51 0.00	43.99 -0.43 0.00	43.87 -0.34 0.00
OSWEGO___5 23606	38.83 -1.08 0.00	34.85 -0.97 0.00	28.02 -0.78 0.00	28.20 -0.78 0.00	28.92 -0.80 0.00	36.44 -1.00 0.00	44.83 -1.23 0.00	45.06 -1.34 0.00	45.58 -1.37 0.00	45.90 -1.38 0.00	42.41 -1.21 0.00	44.73 -1.28 0.00	46.98 -1.33 0.00	66.83 -1.95 0.00	51.38 -1.50 0.00	51.97 -1.56 0.00	54.49 -1.62 0.00	47.97 -1.32 0.00	45.72 -1.19 0.00	46.65 -1.25 0.00	49.52 -1.53 0.00	44.30 -1.39 0.00	43.07 -1.34 0.00	42.79 -1.42 0.00
OSWEGO___6 23613	38.83 -1.08 0.00	34.85 -0.97 0.00	28.02 -0.78 0.00	28.20 -0.78 0.00	28.92 -0.80 0.00	36.44 -1.00 0.00	44.83 -1.23 0.00	45.06 -1.34 0.00	45.58 -1.37 0.00	45.90 -1.38 0.00	42.41 -1.21 0.00	44.73 -1.28 0.00	46.98 -1.33 0.00	66.83 -1.95 0.00	51.38 -1.50 0.00	51.97 -1.56 0.00	54.49 -1.62 0.00	47.97 -1.32 0.00	45.72 -1.19 0.00	46.65 -1.25 0.00	49.52 -1.53 0.00	44.30 -1.39 0.00	43.07 -1.34 0.00	42.79 -1.42 0.00
OUTOKUMPU-AB___DRP 24206	37.96 -1.95 0.00	34.03 -1.78 0.00	27.38 -1.42 0.00	27.60 -1.38 0.00	28.40 -1.33 0.00	35.81 -1.63 0.00	44.52 -1.55 0.00	44.93 -1.47 0.00	45.48 -1.47 0.00	46.02 -1.26 0.00	42.71 -0.91 0.00	44.89 -1.12 0.00	46.76 -1.56 0.00	66.15 -2.63 0.00	50.94 -1.94 0.00	43.74 -2.59 7.19	47.58 -2.85 5.68	34.26 -2.41 12.62	38.16 -2.10 6.64	37.66 -2.19 8.05	34.05 -3.11 13.89	30.74 -2.66 12.28	34.24 -2.41 7.76	41.16 -3.05 0.00
OXBOW___BTM 323836	37.60 -2.30 0.00	33.70 -2.11 0.00	27.14 -1.66 0.00	27.36 -1.61 0.00	28.15 -1.58 0.00	35.49 -1.95 0.00	44.07 -1.99 0.00	44.46 -1.94 0.00	44.96 -1.98 0.00	45.52 -1.76 0.00	42.20 -1.42 0.00	44.37 -1.63 0.00	46.21 -2.10 0.00	65.31 -3.47 0.00	50.29 -2.59 0.00	43.25 -3.35 6.92	47.02 -3.63 5.47	33.95 -3.20 12.14	37.73 -2.79 6.39	37.27 -2.88 7.74	33.79 -3.90 13.36	30.66 -3.21 11.81	34.02 -2.93 7.47	40.62 -3.58 0.00
OXBOW___ 24026	37.60 -2.30 0.00	33.70 -2.11 0.00	27.14 -1.66 0.00	27.36 -1.61 0.00	28.15 -1.58 0.00	35.49 -1.95 0.00	44.07 -1.99 0.00	44.46 -1.94 0.00	44.98 -1.97 0.00	45.53 -1.75 0.00	42.22 -1.40 0.00	44.35 -1.65 0.00	46.21 -2.10 0.00	65.32 -3.46 0.00	50.29 -2.59 0.00	43.25 -3.35 6.92	47.00 -3.65 5.47	33.91 -3.23 12.14	37.72 -2.80 6.39	37.23 -2.93 7.74	33.74 -3.95 13.36	30.62 -3.25 11.81	33.98 -2.97 7.47	40.62 -3.58 0.00
OXY_CHEM_DSASP 323612	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
OZONE_PARK_ESR 323760	41.82 1.92 0.00	37.47 1.66 0.00	30.03 1.24 0.00	30.18 1.20 0.00	30.94 1.22 0.00	38.99 1.55 0.00	48.11 2.05 0.00	48.76 2.36 0.00	49.67 2.71 0.00	50.26 2.98 0.00	86.02 3.07 -39.33	57.31 3.29 -8.01	51.89 3.58 0.00	73.57 4.79 0.00	56.81 3.93 0.00	57.78 4.26 0.00	60.93 4.81 0.00	54.05 4.76 0.00	51.72 4.81 0.00	52.37 4.47 0.00	54.94 3.88 0.00	49.22 3.53 0.00	48.06 3.65 0.00	47.94 3.73 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	37.30 -2.60 0.00	33.45 -2.37 0.00	26.95 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.53 -2.42 0.00	45.06 -2.22 0.00	41.75 -1.87 0.00	43.84 -2.16 0.00	45.68 -2.64 0.00	64.51 -4.27 0.00	49.67 -3.21 0.00	42.78 -4.10 6.64	46.42 -4.45 5.24	33.47 -4.04 11.77	37.27 -3.50 6.13	36.78 -3.64 7.48	33.40 -4.77 12.89	30.53 -3.83 11.33	33.75 -3.50 7.16	40.14 -4.06 0.00
PACKARD___115KV_DUPONT_184 80571	37.30 -2.60 0.00	33.44 -2.37 0.00	26.94 -1.85 0.00	27.19 -1.79 0.00	27.96 -1.77 0.00	35.23 -2.21 0.00	43.69 -2.37 0.00	44.04 -2.36 0.00	44.52 -2.43 0.00	45.05 -2.23 0.00	41.73 -1.89 0.00	43.86 -2.14 0.00	45.69 -2.63 0.00	64.52 -4.25 0.00	49.66 -3.21 0.00	42.77 -4.11 6.64	46.45 -4.43 5.24	33.49 -4.03 11.77	37.30 -3.48 6.13	36.82 -3.60 7.48	33.44 -4.72 12.89	30.56 -3.79 11.34	33.79 -3.46 7.16	40.14 -4.07 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	41.35 1.45 0.00	37.09 1.28 0.00	29.77 0.97 0.00	29.90 0.92 0.00	30.67 0.95 0.00	38.64 1.20 0.00	47.61 1.54 0.00	48.27 1.87 0.00	49.09 2.14 0.00	49.67 2.39 0.00	85.47 2.53 -39.33	56.69 2.67 -8.01	51.25 2.93 0.00	72.60 3.83 0.00	56.08 3.20 0.00	57.02 3.49 0.00	60.11 4.00 0.00	53.32 4.03 0.00	51.04 4.13 0.00	51.65 3.75 0.00	54.25 3.20 0.00	48.55 2.87 0.00	47.41 3.00 0.00	47.21 3.00 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	42.13 2.23 0.00	37.81 2.00 0.00	30.32 1.52 0.00	30.47 1.49 0.00	31.26 1.54 0.00	39.42 1.98 0.00	48.59 2.52 0.00	49.20 2.80 0.00	50.00 3.05 0.00	50.56 3.28 0.00	86.34 3.39 -39.33	57.59 3.57 -8.01	52.26 3.95 0.00	74.12 5.34 0.00	57.16 4.28 0.00	58.13 4.60 0.00	61.27 5.16 0.00	54.34 5.05 0.00	51.97 5.06 0.00	52.63 4.73 0.00	55.28 4.23 0.00	49.47 3.79 0.00	48.36 3.95 0.00	48.13 3.92 0.00
PATROON___115KV_TB1 80586	40.82 0.92 0.00	36.70 0.89 0.00	29.56 0.76 0.00	29.72 0.75 0.00	30.51 0.78 0.00	38.41 0.97 0.00	47.23 1.16 0.00	47.58 1.18 0.00	48.10 1.15 0.00	48.26 0.98 0.00	44.22 0.60 0.00	46.61 0.61 0.00	49.01 0.69 0.00	70.21 1.43 0.00	53.84 0.96 0.00	54.68 1.16 0.00	57.24 1.13 0.00	50.70 1.41 0.00	48.38 1.47 0.00	49.28 1.38 0.00	52.32 1.27 0.00	46.84 1.15 0.00	45.51 1.10 0.00	45.44 1.24 0.00
PATTRSNVILLE___SOLAR 323815	40.99 1.08 0.00	36.78 0.97 0.00	29.58 0.78 0.00	29.75 0.77 0.00	30.53 0.80 0.00	38.47 1.04 0.00	47.44 1.37 0.00	47.72 1.32 0.00	48.15 1.20 0.00	48.13 0.85 0.00	44.15 0.53 0.00	46.67 0.66 0.00	49.18 0.86 0.00	70.62 1.84 0.00	54.37 1.49 0.00	55.12 1.60 0.00	57.87 1.76 0.00	51.08 1.79 0.00	48.67 1.76 0.00	49.68 1.78 0.00	52.70 1.65 0.00	47.17 1.48 0.00	45.80 1.39 0.00	45.57 1.36 0.00

PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	38.18 -1.73 0.00	34.19 -1.63 0.00	27.48 -1.32 0.00	27.71 -1.27 0.00	28.51 -1.22 0.00	35.98 -1.45 0.00	44.72 -1.35 0.00	45.19 -1.21 0.00	45.82 -1.13 0.00	46.33 -0.95 0.00	43.01 -0.61 0.00	45.22 -0.78 0.00	47.18 -1.13 0.00	66.98 -1.80 0.00	51.58 -1.30 0.00	43.36 -1.66 8.50	47.62 -1.78 6.72	32.93 -1.38 14.98	37.81 -1.25 7.85	37.06 -1.30 9.54	32.54 -2.06 16.46	29.27 -1.91 14.51	33.40 -1.84 9.17	41.65 -2.55 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	41.55 1.64 0.00	37.22 1.41 0.00	29.87 1.07 0.00	30.02 1.05 0.00	30.80 1.07 0.00	38.80 1.37 0.00	47.84 1.78 0.00	48.46 2.06 0.00	49.23 2.28 0.00	49.75 2.48 0.00	46.13 2.51 0.00	48.70 2.70 0.00	51.35 3.04 0.00	73.04 4.26 0.00	56.38 3.50 0.00	57.41 3.88 0.00	60.46 4.35 0.00	53.68 4.39 0.00	51.34 4.43 0.00	52.08 4.17 0.00	54.71 3.66 0.00	48.84 3.16 0.00	47.58 3.17 0.00	47.32 3.11 0.00
PEEKSKILL____ 23653	41.07 1.16 0.00	36.82 1.01 0.00	29.54 0.74 0.00	29.70 0.72 0.00	30.46 0.74 0.00	38.36 0.93 0.00	47.28 1.22 0.00	47.87 1.47 0.00	48.67 1.72 0.00	49.20 1.92 0.00	90.63 2.04 -44.97	57.37 2.20 -9.16	50.81 2.50 0.00	72.19 3.41 0.00	55.69 2.81 0.00	56.65 3.13 0.00	59.74 3.63 0.00	53.00 3.71 0.00	50.67 3.77 0.00	51.36 3.46 0.00	53.91 2.86 0.00	48.15 2.47 0.00	46.99 2.58 0.00	46.78 2.58 0.00
PGE MADISON____WINDPWR 24146	41.96 2.05 0.00	37.46 1.65 0.00	29.64 0.84 0.00	29.72 0.75 0.00	30.47 0.75 0.00	38.62 1.18 0.00	47.80 1.73 0.00	48.23 1.83 0.00	49.04 2.08 0.00	49.01 1.73 0.00	45.50 1.88 0.00	48.03 2.02 0.00	50.64 2.33 0.00	72.28 3.50 0.00	55.23 2.36 0.00	58.05 2.93 -1.59	60.58 3.21 -1.26	54.93 2.83 -2.81	51.55 3.17 -1.47	52.14 2.45 -1.79	56.49 2.36 -3.08	49.97 1.56 -2.72	47.52 1.39 -1.72	45.76 1.55 0.00
PIERCEFIELD____HYD 23852	40.36 0.46 0.00	36.22 0.40 0.00	29.15 0.35 0.00	29.30 0.32 0.00	30.02 0.29 0.00	37.94 0.50 0.00	46.61 0.55 0.00	46.99 0.60 0.00	47.40 0.45 0.00	47.81 0.53 0.00	44.26 0.64 0.00	46.57 0.56 0.00	48.82 0.51 0.00	68.83 0.05 0.00	52.69 -0.19 0.00	52.44 -1.09 0.00	54.86 -1.25 0.00	47.44 -1.85 0.00	44.91 -1.99 0.00	46.00 -1.91 0.00	50.05 -1.00 0.00	45.00 -0.68 0.00	43.97 -0.45 0.00	44.02 -0.18 0.00
PINELAWN_CC_1 323563	41.63 1.73 0.00	37.40 1.59 0.00	30.07 1.28 0.00	30.32 1.34 0.00	31.11 1.39 0.00	38.99 1.56 0.00	47.82 1.75 0.00	48.43 2.03 0.00	49.38 2.43 0.00	49.73 2.45 0.00	85.39 2.78 -38.99	56.97 3.02 -7.94	51.84 3.53 0.00	72.86 4.08 0.00	56.29 3.41 0.00	57.20 3.68 0.00	60.28 4.17 0.00	53.58 4.29 0.00	51.09 4.19 0.00	51.88 3.98 0.00	54.28 3.23 0.00	48.71 3.02 0.00	47.58 3.17 0.00	47.39 3.19 0.00
PJM_GEN_HTP_PROXY 323702	39.59 1.40 1.72	37.03 1.21 0.00	29.69 0.89 0.00	29.85 0.87 0.00	30.61 0.88 0.00	38.56 1.13 0.00	47.53 1.47 0.00	48.18 1.78 0.00	49.06 2.10 0.00	49.62 2.34 0.00	85.46 2.48 -39.36	56.69 2.67 -8.02	51.26 2.94 0.00	72.70 3.92 0.00	56.09 3.21 0.00	57.03 3.51 0.00	60.15 4.03 0.00	53.34 4.05 0.00	51.09 4.18 0.00	51.72 3.82 0.00	54.17 3.12 0.00	48.44 2.75 0.00	46.56 2.91 0.76	47.14 2.94 0.00
PJM_GEN_KEystone 24065	31.93 -0.44 7.54	26.12 -0.31 9.38	24.83 -0.34 3.62	28.65 -0.33 0.00	29.44 -0.28 0.00	37.10 -0.34 0.00	39.11 -0.26 6.69	37.08 -0.06 9.25	32.92 0.03 14.06	32.37 0.21 15.12	-26.49 0.45 70.55	32.64 0.42 13.79	48.86 0.55 0.00	69.56 0.78 0.00	53.55 0.68 0.00	52.89 0.62 1.25	55.98 0.85 0.99	48.33 1.25 2.21	47.18 1.43 1.16	47.70 1.21 1.41	52.40 0.44 -0.91	43.70 0.16 2.14	42.60 0.30 2.11	44.27 0.07 0.00
PJM_GEN_NEPTUNE_PROXY 323594	39.51 1.32 1.72	37.03 1.22 0.00	29.77 0.97 0.00	29.99 1.01 0.00	30.77 1.04 0.00	38.59 1.15 0.00	47.36 1.29 0.00	47.97 1.57 0.00	48.90 1.95 0.00	49.33 2.05 0.00	84.95 2.34 -38.99	56.53 2.59 -7.94	51.31 2.99 0.00	72.25 3.48 0.00	55.79 2.91 0.00	56.68 3.16 0.00	59.72 3.61 0.00	53.00 3.71 0.00	50.59 3.68 0.00	51.36 3.46 0.00	53.78 2.73 0.00	48.23 2.54 0.00	46.35 2.70 0.76	46.96 2.76 0.00
PJM_GEN_VFT_PROXY 323633	39.47 1.28 1.72	36.92 1.11 0.00	29.59 0.79 0.00	29.74 0.76 0.00	30.50 0.77 0.00	38.42 0.98 0.00	47.37 1.31 0.00	47.98 1.59 0.01	47.02 1.90 1.83	45.71 2.15 3.72	44.12 2.32 1.81	56.50 2.48 -8.01	51.11 2.79 0.00	72.43 3.65 0.00	55.92 3.04 0.00	56.88 3.35 0.00	60.04 3.92 0.00	53.25 3.97 0.00	50.96 4.05 0.00	51.56 3.66 0.00	54.09 3.03 0.00	48.37 2.69 0.00	46.52 2.87 0.76	47.05 2.85 0.00
PLATSBURG_115KV_PMLD1 355749	40.24 0.34 0.00	36.12 0.30 0.00	29.08 0.28 0.00	29.30 0.32 0.00	30.03 0.30 0.00	37.88 0.44 0.00	46.45 0.38 0.00	46.73 0.33 0.00	47.23 0.28 0.00	47.68 0.40 0.00	43.94 0.33 0.00	46.33 0.32 0.00	48.51 0.19 0.00	68.73 -0.04 0.00	52.85 -0.03 0.00	53.52 0.00 0.00	56.11 0.00 0.00	48.95 -0.34 0.00	46.39 -0.52 0.00	47.23 -0.67 0.00	50.72 -0.33 0.00	45.43 -0.25 0.00	43.97 -0.44 0.00	43.78 -0.43 0.00
PLEASANTVLY____LBMP 24000	40.94 1.03 0.00	36.72 0.91 0.00	29.49 0.69 0.00	29.65 0.67 0.00	30.41 0.69 0.00	38.29 0.85 0.00	47.13 1.07 0.00	47.69 1.29 0.00	48.48 1.53 0.00	48.98 1.70 0.00	61.65 1.75 -16.28	51.24 1.91 -3.32	50.42 2.11 0.00	71.69 2.91 0.00	55.24 2.36 0.00	56.19 2.67 0.00	59.23 3.11 0.00	52.54 3.25 0.00	50.23 3.33 0.00	50.93 3.03 0.00	53.55 2.50 0.00	47.87 2.18 0.00	46.70 2.29 0.00	46.54 2.33 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	41.23 1.33 0.00	36.98 1.17 0.00	29.66 0.87 0.00	29.82 0.84 0.00	30.59 0.86 0.00	38.52 1.09 0.00	47.47 1.40 0.00	48.07 1.67 0.00	48.89 1.94 0.00	49.42 2.14 0.00	75.93 2.23 -30.07	54.56 2.43 -6.13	51.00 2.68 0.00	72.45 3.68 0.00	55.87 2.99 0.00	56.84 3.32 0.00	59.91 3.79 0.00	53.13 3.84 0.00	50.81 3.90 0.00	51.49 3.59 0.00	54.08 3.03 0.00	48.33 2.64 0.00	47.17 2.76 0.00	46.98 2.78 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	41.23 1.33 0.00	36.98 1.17 0.00	29.66 0.87 0.00	29.82 0.84 0.00	30.59 0.86 0.00	38.52 1.09 0.00	47.47 1.40 0.00	48.07 1.67 0.00	48.89 1.94 0.00	49.42 2.14 0.00	75.93 2.23 -30.07	54.56 2.43 -6.13	51.00 2.68 0.00	72.45 3.68 0.00	55.87 2.99 0.00	56.84 3.32 0.00	59.91 3.79 0.00	53.13 3.84 0.00	50.81 3.90 0.00	51.49 3.59 0.00	54.08 3.03 0.00	48.33 2.64 0.00	47.17 2.76 0.00	46.98 2.78 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	41.29 1.39 0.00	37.02 1.21 0.00	29.72 0.92 0.00	29.89 0.91 0.00	30.66 0.94 0.00	38.62 1.18 0.00	47.57 1.51 0.00	48.14 1.74 0.00	48.89 1.94 0.00	49.34 2.06 0.00	45.66 2.04 0.00	48.19 2.18 0.00	50.73 2.42 0.00	72.25 3.47 0.00	55.71 2.83 0.00	56.74 3.22 0.00	59.76 3.64 0.00	53.03 3.74 0.00	50.70 3.80 0.00	51.45 3.54 0.00	54.14 3.09 0.00	48.36 2.68 0.00	47.10 2.69 0.00	46.89 2.69 0.00

POLETTI____ 23519	41.38 1.47 0.00	37.08 1.27 0.00	29.74 0.95 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.17 0.00	47.60 1.53 0.00	48.24 1.84 0.00	49.10 2.15 0.00	49.70 2.42 0.00	85.49 2.54 -39.33	56.74 2.72 -8.01	51.23 2.92 0.00	72.56 3.78 0.00	56.01 3.13 0.00	56.96 3.44 0.00	60.08 3.97 0.00	53.27 3.98 0.00	50.97 4.07 0.01	51.61 3.71 0.00	54.14 3.09 0.00	48.43 2.74 0.00	47.40 2.99 0.00	47.26 3.06 0.00
POMONA____ESR 323819	41.08 1.18 0.00	36.85 1.04 0.00	29.55 0.75 0.00	29.70 0.72 0.00	30.47 0.75 0.00	38.38 0.95 0.00	47.32 1.26 0.00	47.91 1.52 0.00	48.68 1.73 0.00	49.24 1.96 0.00	92.08 2.06 -46.41	57.71 2.25 -9.45	50.93 2.62 0.00	72.41 3.63 0.00	55.87 2.99 0.00	56.82 3.30 0.00	59.94 3.83 0.00	53.16 3.87 0.00	50.83 3.92 0.00	51.50 3.60 0.00	54.07 3.01 0.00	48.24 2.55 0.00	47.05 2.64 0.00	46.81 2.60 0.00
PORT_JEFF_3 23555	41.54 1.63 0.00	37.39 1.57 0.00	30.15 1.35 0.00	30.46 1.48 0.00	31.27 1.54 0.00	39.10 1.66 0.00	47.71 1.64 0.00	48.25 1.85 0.00	49.23 2.28 0.00	49.39 2.11 0.00	85.24 2.63 -38.99	56.85 2.90 -7.94	51.71 3.40 0.00	72.47 3.69 0.00	55.94 3.06 0.00	56.64 3.12 0.00	59.33 3.22 0.00	52.72 3.43 0.00	50.27 3.37 0.00	51.01 3.10 0.00	53.35 2.30 0.00	48.12 2.43 0.00	47.24 2.83 0.00	47.09 2.89 0.00
PORT_JEFF_4 23616	41.54 1.63 0.00	37.39 1.57 0.00	30.15 1.35 0.00	30.46 1.48 0.00	31.27 1.54 0.00	39.10 1.66 0.00	47.71 1.64 0.00	48.25 1.85 0.00	49.23 2.28 0.00	49.39 2.11 0.00	85.24 2.63 -38.99	56.85 2.90 -7.94	51.71 3.40 0.00	72.47 3.69 0.00	55.94 3.06 0.00	56.64 3.12 0.00	59.33 3.22 0.00	52.72 3.43 0.00	50.27 3.37 0.00	51.01 3.10 0.00	53.35 2.30 0.00	48.12 2.43 0.00	47.24 2.83 0.00	47.09 2.89 0.00
PORT_JEFF_IC 23713	41.60 1.69 0.00	37.44 1.63 0.00	30.19 1.39 0.00	30.50 1.53 0.00	31.32 1.60 0.00	39.15 1.71 0.00	47.77 1.71 0.00	48.32 1.92 0.00	49.29 2.33 0.00	49.30 2.02 0.00	85.31 2.70 -38.99	56.98 3.03 -7.94	51.83 3.51 0.00	72.65 3.88 0.00	56.12 3.24 0.00	56.81 3.29 0.00	59.36 3.24 0.00	52.76 3.48 0.00	50.29 3.39 0.00	51.04 3.14 0.00	53.36 2.31 0.00	48.20 2.52 0.00	47.38 2.97 0.00	47.18 2.98 0.00
PPL PILGRIM_ST_GT1 24216	41.81 1.91 0.00	37.59 1.78 0.00	30.27 1.47 0.00	30.53 1.55 0.00	31.35 1.62 0.00	39.24 1.80 0.00	48.03 1.97 0.00	48.62 2.22 0.00	49.63 2.67 0.00	49.91 2.63 0.00	85.64 3.04 -38.99	57.25 3.30 -7.94	52.15 3.84 0.00	73.17 4.39 0.00	56.43 3.55 0.00	57.12 3.60 0.00	60.15 4.03 0.00	53.45 4.16 0.00	51.01 4.10 0.00	51.77 3.86 0.00	54.25 3.20 0.00	48.76 3.07 0.00	47.68 3.27 0.00	47.49 3.28 0.00
PPL PILGRIM_ST_GT2 24217	41.81 1.91 0.00	37.59 1.78 0.00	30.27 1.47 0.00	30.53 1.55 0.00	31.35 1.62 0.00	39.24 1.80 0.00	48.03 1.97 0.00	48.62 2.22 0.00	49.63 2.67 0.00	49.91 2.63 0.00	85.64 3.04 -38.99	57.25 3.30 -7.94	52.15 3.84 0.00	73.17 4.39 0.00	56.43 3.55 0.00	57.12 3.60 0.00	60.15 4.03 0.00	53.45 4.16 0.00	51.01 4.10 0.00	51.77 3.86 0.00	54.25 3.20 0.00	48.76 3.07 0.00	47.68 3.27 0.00	47.49 3.28 0.00
PPL_SHRM_GT3 24213	41.39 1.48 0.00	37.32 1.51 0.00	30.24 1.44 0.00	30.70 1.72 0.00	31.52 1.79 0.00	39.21 1.78 0.00	47.42 1.36 0.00	47.97 1.57 0.00	48.93 1.98 0.00	49.16 1.88 0.00	84.85 2.25 -38.99	56.41 2.46 -7.94	51.26 2.95 0.00	71.66 2.89 0.00	55.38 2.51 0.00	56.18 2.66 0.00	59.24 3.12 0.00	52.69 3.41 0.00	50.19 3.28 0.00	50.93 3.03 0.00	53.21 2.16 0.00	47.87 2.18 0.00	46.95 2.54 0.00	46.62 2.42 0.00
PPL_SHRM_GT4 24214	41.39 1.48 0.00	37.32 1.51 0.00	30.24 1.44 0.00	30.70 1.72 0.00	31.52 1.79 0.00	39.21 1.78 0.00	47.42 1.36 0.00	47.97 1.57 0.00	48.93 1.98 0.00	49.16 1.88 0.00	84.85 2.25 -38.99	56.41 2.46 -7.94	51.26 2.95 0.00	71.66 2.89 0.00	55.38 2.51 0.00	56.18 2.66 0.00	59.24 3.12 0.00	52.69 3.41 0.00	50.19 3.28 0.00	50.93 3.03 0.00	53.21 2.16 0.00	47.87 2.18 0.00	46.95 2.54 0.00	46.62 2.42 0.00
PROJECT____ORANGE 1 24174	39.50 -0.41 0.00	35.43 -0.38 0.00	28.48 -0.32 0.00	28.65 -0.32 0.00	29.40 -0.32 0.00	37.08 -0.36 0.00	45.69 -0.38 0.00	45.98 -0.42 0.00	46.51 -0.43 0.00	46.86 -0.42 0.00	43.37 -0.25 0.00	45.76 -0.25 0.00	48.07 -0.24 0.00	68.43 -0.35 0.00	52.61 -0.27 0.00	53.24 -0.28 0.00	55.85 -0.26 0.00	49.25 -0.04 0.00	46.98 0.07 0.00	47.92 0.02 0.00	50.73 -0.33 0.00	45.31 -0.38 0.00	44.01 -0.40 0.00	43.68 -0.52 0.00
PROJECT____ORANGE 2 24166	39.50 -0.41 0.00	35.43 -0.38 0.00	28.48 -0.32 0.00	28.65 -0.32 0.00	29.40 -0.32 0.00	37.08 -0.36 0.00	45.69 -0.38 0.00	45.98 -0.42 0.00	46.51 -0.43 0.00	46.86 -0.42 0.00	43.37 -0.25 0.00	45.76 -0.25 0.00	48.07 -0.24 0.00	68.43 -0.35 0.00	52.61 -0.27 0.00	53.24 -0.28 0.00	55.85 -0.26 0.00	49.25 -0.04 0.00	46.98 0.07 0.00	47.92 0.02 0.00	50.73 -0.33 0.00	45.31 -0.38 0.00	44.01 -0.40 0.00	43.68 -0.52 0.00
PUCKETT____SOLAR 323809	40.06 0.16 0.00	36.00 0.18 0.00	28.82 0.02 0.00	29.00 0.02 0.00	29.74 0.02 0.00	37.57 0.13 0.00	46.37 0.30 0.00	46.69 0.30 0.00	47.19 0.24 0.00	47.38 0.10 0.00	43.86 0.24 0.00	46.25 0.25 0.00	48.81 0.49 0.00	69.64 0.86 0.00	53.48 0.60 0.00	55.22 0.60 -1.10	57.84 0.85 -0.87	52.36 1.13 -1.94	49.16 1.24 -1.02	50.25 1.12 -1.24	53.84 0.65 -2.13	47.82 0.25 -1.88	45.85 0.25 -1.19	44.49 0.28 0.00
PYRITES____HYD 24023	41.02 1.11 0.00	36.80 0.99 0.00	29.63 0.83 0.00	29.91 0.93 0.00	30.69 0.96 0.00	38.80 1.37 0.00	47.80 1.73 0.00	48.17 1.77 0.00	48.35 1.40 0.00	48.68 1.41 0.00	45.12 1.50 0.00	47.46 1.45 0.00	49.81 1.49 0.00	70.03 1.26 0.00	53.66 0.78 0.00	53.72 0.19 0.00	56.27 0.16 0.00	48.77 -0.52 0.00	46.19 -0.72 0.00	47.37 -0.53 0.00	51.38 0.33 0.00	46.15 0.46 0.00	44.98 0.57 0.00	44.96 0.76 0.00
QUAKERRD_115KV_BK1 80622	38.21 -1.70 0.00	34.24 -1.58 0.00	27.54 -1.26 0.00	27.74 -1.24 0.00	28.50 -1.23 0.00	35.95 -1.48 0.00	44.50 -1.56 0.00	44.86 -1.53 0.00	45.41 -1.54 0.00	45.87 -1.41 0.00	42.47 -1.15 0.00	44.74 -1.27 0.00	46.84 -1.48 0.00	66.49 -2.28 0.00	51.16 -1.72 0.00	51.54 -1.98 0.00	54.11 -2.01 0.00	47.58 -1.71 0.00	45.44 -1.46 0.00	46.36 -1.54 0.00	48.89 -2.17 0.00	43.64 -2.05 0.00	42.40 -2.02 0.00	41.96 -2.25 0.00
QUENSBRY_115KV_TB8 356137	41.58 1.67 0.00	37.40 1.59 0.00	30.17 1.38 0.00	30.39 1.41 0.00	31.24 1.51 0.00	39.31 1.87 0.00	48.27 2.20 0.00	48.48 2.09 0.00	48.85 1.90 0.00	48.79 1.51 0.00	44.62 1.00 0.00	47.12 1.12 0.00	49.52 1.21 0.00	71.52 2.74 0.00	54.82 1.94 0.00	55.87 2.35 0.00	58.89 2.78 0.00	52.43 3.14 0.00	49.99 3.09 0.00	50.92 3.02 0.00	53.96 2.91 0.00	48.31 2.63 0.00	46.88 2.47 0.00	46.64 2.44 0.00

RAMAPO____LBMP 323565	40.89 0.98 0.00	36.68 0.87 0.00	29.41 0.62 0.00	29.56 0.59 0.00	30.33 0.61 0.00	38.20 0.77 0.00	47.11 1.04 0.00	47.68 1.29 0.00	48.44 1.49 0.00	48.97 1.69 0.00	-13.79 1.81 59.22	35.93 1.98 12.06	50.63 2.32 0.00	71.97 3.19 0.00	55.53 2.65 0.00	56.49 2.96 0.00	59.60 3.49 0.00	52.85 3.57 0.00	50.54 3.63 0.00	51.20 3.30 0.00	53.78 2.73 0.00	47.99 2.30 0.00	46.81 2.39 0.00	46.57 2.36 0.00
RANKINE____ 23646	38.04 -1.87 0.00	34.09 -1.73 0.00	27.39 -1.40 0.00	27.63 -1.35 0.00	28.42 -1.30 0.00	35.88 -1.56 0.00	44.58 -1.49 0.00	45.06 -1.34 0.00	45.65 -1.30 0.00	46.17 -1.11 0.00	42.86 -0.76 0.00	45.09 -0.92 0.00	47.04 -1.28 0.00	66.73 -2.05 0.00	51.37 -1.51 0.00	42.63 -2.05 8.84	46.95 -2.19 6.99	31.93 -1.77 15.58	37.20 -1.54 8.16	36.33 -1.65 9.93	31.46 -2.48 17.11	28.29 -2.30 15.09	32.69 -2.18 9.54	41.45 -2.75 0.00
RAVENSWOOD_GT2_1 24244	41.38 1.48 0.00	37.09 1.28 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.55 0.00	48.24 1.85 0.00	49.12 2.17 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.74 2.73 -8.01	51.26 2.95 0.00	72.63 3.85 0.00	56.06 3.18 0.00	57.01 3.48 0.00	60.12 4.01 0.00	53.32 4.03 0.00	51.02 4.11 0.00	51.65 3.75 0.00	54.19 3.13 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT2_2 24245	41.38 1.48 0.00	37.09 1.28 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.18 0.00	47.62 1.55 0.00	48.24 1.85 0.00	49.12 2.17 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.74 2.73 -8.01	51.26 2.95 0.00	72.63 3.85 0.00	56.06 3.18 0.00	57.01 3.48 0.00	60.12 4.01 0.00	53.32 4.03 0.00	51.02 4.11 0.00	51.65 3.75 0.00	54.19 3.13 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT2_3 24246	41.40 1.50 0.00	37.11 1.30 0.00	29.76 0.97 0.00	29.92 0.94 0.00	30.67 0.95 0.00	38.64 1.21 0.00	47.64 1.58 0.00	48.28 1.88 0.00	49.15 2.20 0.00	49.74 2.46 0.00	85.53 2.59 -39.33	56.78 2.76 -8.01	51.30 2.99 0.00	72.68 3.90 0.00	56.10 3.22 0.00	57.05 3.53 0.00	60.16 4.05 0.00	53.36 4.08 0.00	51.06 4.16 0.00	51.69 3.78 0.00	54.21 3.16 0.00	48.51 2.82 0.00	47.45 3.04 0.00	47.30 3.10 0.00
RAVENSWOOD_GT2_4 24247	41.40 1.50 0.00	37.11 1.30 0.00	29.76 0.97 0.00	29.92 0.94 0.00	30.67 0.95 0.00	38.64 1.21 0.00	47.64 1.58 0.00	48.28 1.88 0.00	49.15 2.20 0.00	49.74 2.46 0.00	85.53 2.59 -39.33	56.78 2.76 -8.01	51.30 2.99 0.00	72.68 3.90 0.00	56.10 3.22 0.00	57.05 3.53 0.00	60.16 4.05 0.00	53.36 4.08 0.00	51.06 4.16 0.00	51.69 3.78 0.00	54.21 3.16 0.00	48.51 2.82 0.00	47.45 3.04 0.00	47.30 3.10 0.00
RAVENSWOOD_GT3_1 24248	41.38 1.48 0.00	37.09 1.28 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.19 0.00	47.62 1.55 0.00	48.24 1.85 0.00	49.12 2.17 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.75 2.73 -8.01	51.26 2.95 0.00	72.63 3.85 0.00	56.06 3.19 0.00	57.02 3.49 0.00	60.13 4.01 0.00	53.32 4.03 0.00	51.02 4.11 0.00	51.65 3.75 0.00	54.19 3.13 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT3_2 24249	41.38 1.48 0.00	37.09 1.28 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.62 1.19 0.00	47.62 1.55 0.00	48.24 1.85 0.00	49.12 2.17 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.75 2.73 -8.01	51.26 2.95 0.00	72.63 3.85 0.00	56.06 3.19 0.00	57.02 3.49 0.00	60.13 4.01 0.00	53.32 4.03 0.00	51.02 4.11 0.00	51.65 3.75 0.00	54.19 3.13 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT3_3 24250	41.46 1.55 0.00	37.16 1.35 0.00	29.80 1.00 0.00	29.95 0.97 0.00	30.71 0.98 0.00	38.68 1.25 0.00	47.71 1.64 0.00	48.34 1.94 0.00	49.22 2.27 0.00	49.80 2.53 0.00	85.60 2.65 -39.33	56.86 2.84 -8.01	51.38 3.06 0.00	72.80 4.03 0.00	56.19 3.31 0.00	57.14 3.62 0.00	60.27 4.15 0.00	53.44 4.16 0.00	51.14 4.24 0.00	51.76 3.86 0.00	54.31 3.25 0.00	48.57 2.88 0.00	47.53 3.11 0.00	47.36 3.15 0.00
RAVENSWOOD_GT3_4 24251	41.46 1.55 0.00	37.16 1.35 0.00	29.80 1.00 0.00	29.95 0.97 0.00	30.71 0.98 0.00	38.68 1.25 0.00	47.71 1.64 0.00	48.34 1.94 0.00	49.22 2.27 0.00	49.80 2.53 0.00	85.60 2.65 -39.33	56.86 2.84 -8.01	51.38 3.06 0.00	72.80 4.03 0.00	56.19 3.31 0.00	57.14 3.62 0.00	60.27 4.15 0.00	53.44 4.16 0.00	51.14 4.24 0.00	51.76 3.86 0.00	54.31 3.25 0.00	48.57 2.88 0.00	47.53 3.11 0.00	47.36 3.15 0.00
RAVENSWOOD_GT_1 23729	41.38 1.48 0.00	37.10 1.29 0.00	29.76 0.97 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.60 1.54 0.00	48.24 1.84 0.00	49.09 2.14 0.00	49.70 2.42 0.00	85.55 2.61 -39.33	56.76 2.74 -8.01	51.31 2.99 0.00	72.62 3.85 0.00	56.08 3.20 0.00	57.01 3.49 0.00	60.12 4.00 0.00	53.30 4.02 0.00	51.04 4.13 0.00	51.61 3.71 0.00	54.16 3.11 0.00	48.49 2.81 0.00	47.41 3.00 0.00	47.26 3.06 0.00
RAVENSWOOD_GT_10 24258	41.39 1.48 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.63 1.57 0.00	48.26 1.86 0.00	49.12 2.18 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.75 2.73 -8.01	51.27 2.96 0.00	72.63 3.85 0.00	56.06 3.19 0.00	57.02 3.49 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.02 4.12 0.00	51.65 3.75 0.00	54.19 3.14 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT_11 24259	41.39 1.48 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.63 1.57 0.00	48.26 1.86 0.00	49.12 2.18 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.75 2.73 -8.01	51.27 2.96 0.00	72.63 3.85 0.00	56.06 3.19 0.00	57.02 3.49 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.02 4.12 0.00	51.65 3.75 0.00	54.19 3.14 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT_4 24252	41.37 1.47 0.00	37.08 1.27 0.00	29.74 0.95 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.18 0.00	47.60 1.53 0.00	48.24 1.84 0.00	49.11 2.15 0.00	49.69 2.41 0.00	85.51 2.56 -39.33	56.74 2.73 -8.01	51.27 2.96 0.00	72.61 3.83 0.00	56.06 3.18 0.00	57.01 3.49 0.00	60.12 4.01 0.00	53.31 4.03 0.00	51.02 4.11 0.00	51.63 3.73 0.00	54.17 3.12 0.00	48.46 2.78 0.00	47.41 3.00 0.00	47.26 3.05 0.00
RAVENSWOOD_GT_5 24254	41.37 1.47 0.00	37.08 1.27 0.00	29.74 0.95 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.18 0.00	47.60 1.53 0.00	48.24 1.84 0.00	49.11 2.15 0.00	49.69 2.41 0.00	85.51 2.56 -39.33	56.74 2.73 -8.01	51.27 2.96 0.00	72.61 3.83 0.00	56.06 3.18 0.00	57.01 3.49 0.00	60.12 4.01 0.00	53.31 4.03 0.00	51.02 4.11 0.00	51.63 3.73 0.00	54.17 3.12 0.00	48.46 2.78 0.00	47.41 3.00 0.00	47.26 3.05 0.00

RAVENSWOOD_GT_6 24253	41.37 1.47 0.00	37.08 1.27 0.00	29.74 0.95 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.18 0.00	47.60 1.53 0.00	48.24 1.84 0.00	49.11 2.15 0.00	49.69 2.41 0.00	85.51 2.56 -39.33	56.74 2.73 -8.01	51.27 2.96 0.00	72.61 3.83 0.00	56.06 3.18 0.00	57.01 3.49 0.00	60.12 4.01 0.00	53.31 4.03 0.00	51.02 4.11 0.00	51.63 3.73 0.00	54.17 3.12 0.00	48.46 2.78 0.00	47.41 3.00 0.00	47.26 3.05 0.00
RAVENSWOOD_GT_7 24255	41.37 1.47 0.00	37.08 1.27 0.00	29.74 0.95 0.00	29.89 0.91 0.00	30.65 0.92 0.00	38.61 1.18 0.00	47.60 1.53 0.00	48.24 1.84 0.00	49.11 2.15 0.00	49.69 2.41 0.00	85.51 2.56 -39.33	56.74 2.73 -8.01	51.27 2.96 0.00	72.61 3.83 0.00	56.06 3.18 0.00	57.01 3.49 0.00	60.12 4.01 0.00	53.31 4.03 0.00	51.02 4.11 0.00	51.63 3.73 0.00	54.17 3.12 0.00	48.46 2.78 0.00	47.41 3.00 0.00	47.26 3.05 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	41.39 1.48 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.63 1.57 0.00	48.26 1.86 0.00	49.12 2.18 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.75 2.73 -8.01	51.27 2.96 0.00	72.63 3.85 0.00	56.06 3.19 0.00	57.02 3.49 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.02 4.12 0.00	51.65 3.75 0.00	54.19 3.14 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD_GT_9 24257	41.39 1.48 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.63 1.57 0.00	48.26 1.86 0.00	49.12 2.18 0.00	49.70 2.42 0.00	85.51 2.56 -39.33	56.75 2.73 -8.01	51.27 2.96 0.00	72.63 3.85 0.00	56.06 3.19 0.00	57.02 3.49 0.00	60.13 4.02 0.00	53.32 4.04 0.00	51.02 4.12 0.00	51.65 3.75 0.00	54.19 3.14 0.00	48.47 2.79 0.00	47.42 3.01 0.00	47.26 3.06 0.00
RAVENSWOOD___1 23533	41.34 1.44 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.88 0.90 0.00	30.63 0.91 0.00	38.60 1.16 0.00	47.57 1.50 0.00	48.21 1.81 0.00	49.07 2.12 0.00	49.67 2.39 0.00	85.53 2.58 -39.33	56.73 2.71 -8.01	51.27 2.95 0.00	72.59 3.81 0.00	56.07 3.19 0.00	57.01 3.49 0.00	60.11 4.00 0.00	53.29 4.01 0.00	51.02 4.12 0.00	51.60 3.70 0.00	54.14 3.09 0.00	48.47 2.79 0.00	47.39 2.97 0.00	47.23 3.02 0.00
RAVENSWOOD___2 23534	41.34 1.44 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.88 0.90 0.00	30.63 0.91 0.00	38.60 1.16 0.00	47.57 1.50 0.00	48.21 1.81 0.00	49.07 2.12 0.00	49.67 2.39 0.00	85.53 2.58 -39.33	56.73 2.71 -8.01	51.27 2.95 0.00	72.59 3.81 0.00	56.07 3.19 0.00	57.01 3.49 0.00	60.11 4.00 0.00	53.29 4.01 0.00	51.02 4.12 0.00	51.60 3.70 0.00	54.14 3.09 0.00	48.47 2.79 0.00	47.39 2.97 0.00	47.23 3.02 0.00
RAVENSWOOD___3 23535	41.38 1.48 0.00	37.10 1.29 0.00	29.75 0.95 0.00	29.90 0.92 0.00	30.66 0.93 0.00	38.63 1.19 0.00	47.62 1.55 0.00	48.24 1.84 0.00	49.13 2.18 0.00	49.70 2.43 0.00	85.51 2.57 -39.33	56.75 2.73 -8.01	51.27 2.96 0.00	72.62 3.85 0.00	56.06 3.19 0.00	57.01 3.49 0.00	60.13 4.02 0.00	53.32 4.03 0.00	51.02 4.12 0.00	51.65 3.75 0.00	54.19 3.14 0.00	48.47 2.79 0.00	47.42 3.00 0.00	47.27 3.06 0.00
RAVENSWOOD___4 23820	41.34 1.44 0.00	37.06 1.25 0.00	29.74 0.94 0.00	29.88 0.90 0.00	30.63 0.91 0.00	38.60 1.16 0.00	47.57 1.50 0.00	48.21 1.81 0.00	49.07 2.12 0.00	49.67 2.39 0.00	85.53 2.58 -39.33	56.73 2.71 -8.01	51.27 2.95 0.00	72.59 3.81 0.00	56.07 3.19 0.00	57.01 3.49 0.00	60.11 4.00 0.00	53.29 4.01 0.00	51.02 4.12 0.00	51.60 3.70 0.00	54.14 3.09 0.00	48.47 2.79 0.00	47.39 2.97 0.00	47.23 3.02 0.00
RCPI_TRUST___DRP 24196	41.36 1.45 0.00	37.08 1.27 0.00	29.75 0.95 0.00	29.89 0.91 0.00	30.64 0.91 0.00	38.60 1.16 0.00	47.60 1.53 0.00	48.25 1.85 0.00	49.13 2.18 0.00	49.70 2.42 0.00	85.53 2.56 -39.36	56.79 2.77 -8.02	51.36 3.04 0.00	72.83 4.06 0.00	56.19 3.31 0.00	57.13 3.61 0.00	60.26 4.14 0.00	53.44 4.15 0.00	51.17 4.26 0.00	51.80 3.90 0.00	54.26 3.21 0.00	48.51 2.83 0.00	47.39 2.98 0.00	47.19 2.99 0.00
RED___ROCHESTER 323720	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.15 0.00	43.93 0.32 0.00	46.29 0.28 0.00	48.41 0.10 0.00	68.72 -0.06 0.00	52.85 -0.03 0.00	53.23 -0.29 0.00	55.89 -0.23 0.00	49.22 -0.07 0.00	47.03 0.13 0.00	48.00 0.10 0.00	50.55 -0.50 0.00	45.10 -0.58 0.00	43.78 -0.63 0.00	43.19 -1.01 0.00
REGAN___SOLAR 323812	41.79 1.88 0.00	37.47 1.65 0.00	30.11 1.31 0.00	30.27 1.30 0.00	31.03 1.31 0.00	39.19 1.75 0.00	48.50 2.43 0.00	48.78 2.38 0.00	48.98 2.02 0.00	48.53 1.25 0.00	44.05 0.43 0.00	47.02 1.01 0.00	49.85 1.53 0.00	71.99 3.21 0.00	55.71 2.83 0.00	56.41 2.89 0.00	59.38 3.27 0.00	52.28 2.99 0.00	49.73 2.82 0.00	50.86 2.96 0.00	53.84 2.79 0.00	48.13 2.45 0.00	46.63 2.21 0.00	46.27 2.07 0.00
RENSSELAER___COGEN 23796	40.55 0.65 0.00	36.47 0.65 0.00	29.38 0.58 0.00	29.55 0.58 0.00	30.32 0.59 0.00	38.16 0.72 0.00	46.91 0.84 0.00	47.24 0.84 0.00	47.71 0.76 0.00	47.84 0.57 0.00	43.83 0.21 0.00	46.19 0.18 0.00	48.51 0.20 0.00	69.46 0.68 0.00	53.28 0.40 0.00	54.10 0.57 0.00	56.64 0.53 0.00	50.18 0.89 0.00	47.89 0.99 0.00	48.78 0.88 0.00	51.81 0.76 0.00	46.40 0.71 0.00	45.11 0.70 0.00	45.08 0.87 0.00
REPUBLIC_115KV_BARTNBRK 55605	43.65 3.74 0.00	39.38 3.57 0.00	31.84 3.04 0.00	32.15 3.18 0.00	33.15 3.42 0.00	41.60 4.16 0.00	50.75 4.69 0.00	51.05 4.65 0.00	51.11 4.16 0.00	50.36 3.08 0.00	46.05 2.43 0.00	48.72 2.71 0.00	51.17 2.85 0.00	74.92 6.14 0.00	57.09 4.21 0.00	58.65 5.13 0.00	62.42 6.31 0.00	56.12 6.83 0.00	53.45 6.54 0.00	54.36 6.45 0.00	57.26 6.21 0.00	51.14 5.45 0.00	49.43 5.02 0.00	49.23 5.02 0.00
REVERE_CPPR_DRP 24186	41.30 1.39 0.00	36.99 1.18 0.00	29.69 0.89 0.00	29.80 0.82 0.00	30.47 0.74 0.00	38.55 1.12 0.00	47.65 1.58 0.00	48.01 1.62 0.00	48.59 1.64 0.00	48.70 1.42 0.00	45.13 1.51 0.00	47.87 1.86 0.00	50.46 2.15 0.00	71.96 3.19 0.00	55.23 2.35 0.00	55.72 2.19 0.00	58.49 2.37 0.00	51.44 2.15 0.00	48.86 1.95 0.00	49.91 2.01 0.00	52.98 1.92 0.00	47.23 1.55 0.00	45.82 1.41 0.00	45.41 1.20 0.00
REYNLDPA_13_KV_LD 356490	40.08 0.17 0.00	36.05 0.24 0.00	28.97 0.17 0.00	29.19 0.21 0.00	29.93 0.21 0.00	37.73 0.29 0.00	46.21 0.14 0.00	46.57 0.17 0.00	47.09 0.14 0.00	47.52 0.25 0.00	43.92 0.30 0.00	46.24 0.24 0.00	48.36 0.05 0.00	68.48 -0.30 0.00	52.74 -0.14 0.00	53.14 -0.38 0.00	55.67 -0.45 0.00	48.47 -0.82 0.00	45.92 -0.99 0.00	47.08 -0.82 0.00	50.87 -0.18 0.00	45.46 -0.23 0.00	44.17 -0.24 0.00	44.02 -0.18 0.00

REYNOLDS_115KV_TB3 80639	40.76 0.86 0.00	36.66 0.85 0.00	29.54 0.74 0.00	29.71 0.73 0.00	30.49 0.77 0.00	38.37 0.93 0.00	47.15 1.08 0.00	47.48 1.08 0.00	47.98 1.03 0.00	48.16 0.88 0.00	44.12 0.50 0.00	46.50 0.49 0.00	48.82 0.50 0.00	69.91 1.14 0.00	53.57 0.69 0.00	54.44 0.92 0.00	56.98 0.86 0.00	50.51 1.22 0.00	48.22 1.31 0.00	49.11 1.21 0.00	52.20 1.15 0.00	46.74 1.06 0.00	45.43 1.01 0.00	45.40 1.19 0.00
RIVERBAY____ 323610	42.13 2.23 0.00	37.81 2.00 0.00	30.32 1.52 0.00	30.47 1.49 0.00	31.26 1.54 0.00	39.42 1.98 0.00	48.59 2.52 0.00	49.20 2.80 0.00	50.00 3.05 0.00	50.56 3.28 0.00	86.34 3.39 -39.33	57.59 3.57 -8.01	52.26 3.95 0.00	74.12 5.34 0.00	57.16 4.28 0.00	58.13 4.60 0.00	61.27 5.16 0.00	54.34 5.05 0.00	51.97 5.06 0.00	52.63 4.73 0.00	55.28 4.23 0.00	49.47 3.79 0.00	48.36 3.95 0.00	48.13 3.92 0.00
RIVERSDE_115KV_TB3 55908	40.71 0.81 0.00	36.60 0.79 0.00	29.49 0.69 0.00	29.66 0.68 0.00	30.44 0.71 0.00	38.31 0.87 0.00	47.09 1.02 0.00	47.43 1.03 0.00	47.94 0.99 0.00	48.11 0.83 0.00	44.08 0.46 0.00	46.46 0.45 0.00	48.80 0.49 0.00	69.88 1.10 0.00	53.58 0.70 0.00	54.43 0.91 0.00	56.97 0.86 0.00	50.49 1.20 0.00	48.18 1.27 0.00	49.07 1.17 0.00	52.14 1.09 0.00	46.68 0.99 0.00	45.37 0.96 0.00	45.32 1.12 0.00
ROARING____BROOK_WT_PWR 323790	39.82 -0.08 0.00	35.61 -0.21 0.00	28.49 -0.31 0.00	28.61 -0.37 0.00	29.38 -0.34 0.00	36.90 -0.53 0.00	45.43 -0.63 0.00	45.71 -0.68 0.00	46.33 -0.63 0.00	46.74 -0.54 0.00	43.26 -0.36 0.00	45.73 -0.28 0.00	47.92 -0.39 0.00	68.08 -0.70 0.00	52.27 -0.61 0.00	52.71 -0.81 0.00	55.40 -0.71 0.00	48.43 -0.86 0.00	45.99 -0.91 0.00	46.82 -1.08 0.00	49.72 -1.33 0.00	44.49 -1.20 0.00	43.30 -1.11 0.00	43.14 -1.07 0.00
ROCHESRG_115KV_T4 355643	38.75 -1.16 0.00	34.72 -1.09 0.00	27.93 -0.87 0.00	28.14 -0.84 0.00	28.92 -0.81 0.00	36.48 -0.96 0.00	45.19 -0.87 0.00	45.57 -0.83 0.00	46.16 -0.80 0.00	46.63 -0.65 0.00	43.19 -0.43 0.00	45.45 -0.56 0.00	47.54 -0.77 0.00	67.49 -1.29 0.00	51.93 -0.95 0.00	51.12 -1.27 1.13	53.94 -1.28 0.89	46.24 -1.06 1.99	45.05 -0.81 1.04	45.76 -0.88 1.27	47.35 -1.52 2.19	42.29 -1.47 1.93	41.76 -1.43 1.22	42.48 -1.72 0.00
ROCHESTER_9_IC 23652	39.09 -0.82 0.00	35.01 -0.80 0.00	28.16 -0.64 0.00	28.36 -0.61 0.00	29.14 -0.58 0.00	36.78 -0.66 0.00	45.62 -0.45 0.00	46.03 -0.37 0.00	46.62 -0.33 0.00	47.12 -0.16 0.00	43.65 0.03 0.00	45.95 -0.05 0.00	48.07 -0.25 0.00	68.23 -0.54 0.00	52.50 -0.38 0.00	52.84 -0.69 0.00	55.46 -0.65 0.00	48.81 -0.48 0.00	46.64 -0.27 0.00	47.60 -0.30 0.00	50.12 -0.94 0.00	44.72 -0.96 0.00	43.44 -0.98 0.00	42.89 -1.31 0.00
ROCKVIEW_13_KV_LD 356306	41.43 1.53 0.00	37.17 1.36 0.00	29.79 0.99 0.00	29.94 0.96 0.00	30.71 0.98 0.00	38.67 1.24 0.00	47.68 1.62 0.00	48.29 1.89 0.00	49.14 2.19 0.00	49.69 2.42 0.00	85.44 2.53 -39.29	56.77 2.76 -8.00	51.37 3.06 0.00	72.90 4.12 0.00	56.24 3.36 0.00	57.20 3.68 0.00	60.31 4.19 0.00	53.49 4.19 0.00	51.15 4.25 0.00	51.84 3.94 0.00	54.41 3.36 0.00	48.60 2.92 0.00	47.46 3.04 0.00	47.26 3.06 0.00
ROME____115KV_TB2 80656	41.30 1.39 0.00	36.99 1.18 0.00	29.69 0.89 0.00	29.80 0.82 0.00	30.47 0.74 0.00	38.55 1.12 0.00	47.65 1.58 0.00	48.01 1.62 0.00	48.59 1.64 0.00	48.70 1.42 0.00	45.13 1.51 0.00	47.87 1.86 0.00	50.46 2.15 0.00	71.96 3.19 0.00	55.23 2.35 0.00	55.72 2.19 0.00	58.49 2.37 0.00	51.44 2.15 0.00	48.86 1.95 0.00	49.91 2.01 0.00	52.98 1.92 0.00	47.23 1.55 0.00	45.82 1.41 0.00	45.41 1.20 0.00
ROSETON____1 23587	40.91 1.01 0.00	36.69 0.88 0.00	29.46 0.66 0.00	29.62 0.65 0.00	30.38 0.66 0.00	38.26 0.82 0.00	47.11 1.04 0.00	47.66 1.27 0.00	48.43 1.48 0.00	48.92 1.64 0.00	45.34 1.72 0.00	47.85 1.84 0.00	50.38 2.07 0.00	71.63 2.86 0.00	55.22 2.34 0.00	56.13 2.60 0.00	59.13 3.02 0.00	52.45 3.16 0.00	50.14 3.23 0.00	50.86 2.96 0.00	53.49 2.44 0.00	47.82 2.13 0.00	46.62 2.21 0.00	46.44 2.24 0.00
ROSETON____2 23588	40.91 1.01 0.00	36.69 0.88 0.00	29.46 0.66 0.00	29.62 0.65 0.00	30.38 0.66 0.00	38.26 0.82 0.00	47.11 1.04 0.00	47.66 1.27 0.00	48.43 1.48 0.00	48.92 1.64 0.00	45.34 1.72 0.00	47.85 1.84 0.00	50.38 2.07 0.00	71.63 2.86 0.00	55.22 2.34 0.00	56.13 2.60 0.00	59.13 3.02 0.00	52.45 3.16 0.00	50.14 3.23 0.00	50.86 2.96 0.00	53.49 2.44 0.00	47.82 2.13 0.00	46.62 2.21 0.00	46.44 2.24 0.00
ROTTTRDAM_115KV_TB3 80664	40.73 0.83 0.00	36.57 0.76 0.00	29.42 0.63 0.00	29.60 0.62 0.00	30.37 0.65 0.00	38.26 0.82 0.00	47.11 1.04 0.00	47.44 1.04 0.00	47.95 1.00 0.00	48.14 0.86 0.00	44.26 0.64 0.00	46.70 0.69 0.00	49.13 0.81 0.00	70.28 1.51 0.00	53.99 1.11 0.00	54.76 1.24 0.00	57.44 1.32 0.00	50.77 1.48 0.00	48.40 1.50 0.00	49.36 1.46 0.00	52.39 1.34 0.00	46.90 1.21 0.00	45.59 1.17 0.00	45.39 1.19 0.00
RUSSELL____1 23602	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.16 0.00	43.95 0.33 0.00	46.28 0.27 0.00	48.41 0.10 0.00	68.74 -0.04 0.00	52.86 -0.02 0.00	53.21 -0.32 0.00	55.88 -0.24 0.00	49.21 -0.08 0.00	47.02 0.12 0.00	47.99 0.09 0.00	50.53 -0.53 0.00	45.06 -0.62 0.00	43.76 -0.65 0.00	43.19 -1.01 0.00
RUSSELL____2 23532	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.16 0.00	43.95 0.33 0.00	46.28 0.27 0.00	48.41 0.10 0.00	68.74 -0.04 0.00	52.86 -0.02 0.00	53.21 -0.32 0.00	55.88 -0.24 0.00	49.21 -0.08 0.00	47.02 0.12 0.00	47.99 0.09 0.00	50.53 -0.53 0.00	45.06 -0.62 0.00	43.76 -0.65 0.00	43.19 -1.01 0.00
RUSSELL____3 23549	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.16 0.00	43.95 0.33 0.00	46.28 0.27 0.00	48.41 0.10 0.00	68.74 -0.04 0.00	52.86 -0.02 0.00	53.21 -0.32 0.00	55.88 -0.24 0.00	49.21 -0.08 0.00	47.02 0.12 0.00	47.99 0.09 0.00	50.53 -0.53 0.00	45.06 -0.62 0.00	43.76 -0.65 0.00	43.19 -1.01 0.00
RUSSELL____4 23556	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.16 0.00	43.95 0.33 0.00	46.28 0.27 0.00	48.41 0.10 0.00	68.74 -0.04 0.00	52.86 -0.02 0.00	53.21 -0.32 0.00	55.88 -0.24 0.00	49.21 -0.08 0.00	47.02 0.12 0.00	47.99 0.09 0.00	50.53 -0.53 0.00	45.06 -0.62 0.00	43.76 -0.65 0.00	43.19 -1.01 0.00

RUSSELL__STATION 23914	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.16 0.00	43.95 0.33 0.00	46.28 0.27 0.00	48.41 0.10 0.00	68.74 -0.04 0.00	52.86 -0.02 0.00	53.21 -0.32 0.00	55.88 -0.24 0.00	49.21 -0.08 0.00	47.02 0.12 0.00	47.99 0.09 0.00	50.53 -0.53 0.00	45.06 -0.62 0.00	43.76 -0.65 0.00	43.19 -1.01 0.00
S SALMON__HYD 24043	39.83 -0.08 0.00	35.71 -0.10 0.00	28.62 -0.17 0.00	28.66 -0.32 0.00	29.30 -0.43 0.00	37.04 -0.39 0.00	45.69 -0.38 0.00	46.06 -0.34 0.00	46.54 -0.42 0.00	46.90 -0.38 0.00	43.50 -0.12 0.00	45.81 -0.19 0.00	48.31 -0.01 0.00	68.72 -0.06 0.00	52.41 -0.47 0.00	52.65 -0.87 0.00	55.31 -0.81 0.00	48.54 -0.75 0.00	46.17 -0.74 0.00	47.01 -0.89 0.00	50.14 -0.91 0.00	44.92 -0.77 0.00	43.63 -0.78 0.00	43.27 -0.93 0.00
S.PERRY__115KV_TB1 80734	39.63 -0.27 0.00	35.47 -0.34 0.00	28.42 -0.37 0.00	28.60 -0.38 0.00	29.42 -0.30 0.00	37.22 -0.22 0.00	46.37 0.31 0.00	46.93 0.53 0.00	47.47 0.52 0.00	47.96 0.68 0.00	44.21 0.59 0.00	46.63 0.62 0.00	48.77 0.45 0.00	68.68 -0.09 0.00	52.51 -0.37 0.00	80.87 -0.30 -27.65	77.28 -0.68 -21.84	98.83 0.77 -48.78	73.52 1.09 -25.53	80.10 1.14 -31.06	105.00 0.41 -53.54	92.91 0.02 -47.20	74.14 -0.11 -29.83	43.60 -0.62 -0.01
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	37.81 -2.09 0.00	33.90 -1.92 0.00	27.28 -1.52 0.00	27.51 -1.46 0.00	28.30 -1.43 0.00	35.69 -1.75 0.00	44.32 -1.75 0.00	44.74 -1.66 0.00	45.28 -1.67 0.00	45.82 -1.46 0.00	42.50 -1.12 0.00	44.66 -1.35 0.00	46.57 -1.74 0.00	66.03 -2.74 0.00	50.85 -2.03 0.00	42.71 -2.60 8.20	46.84 -2.79 6.48	32.45 -2.36 14.48	37.25 -2.08 7.58	36.51 -2.18 9.22	32.08 -3.08 15.89	28.92 -2.76 14.01	32.96 -2.60 8.85	41.10 -3.10 0.00
SAWYER__23_KV_LOAD 55526	37.81 -2.09 0.00	33.90 -1.92 0.00	27.28 -1.52 0.00	27.51 -1.46 0.00	28.30 -1.43 0.00	35.69 -1.75 0.00	44.32 -1.75 0.00	44.74 -1.66 0.00	45.28 -1.67 0.00	45.82 -1.46 0.00	42.50 -1.12 0.00	44.66 -1.35 0.00	46.57 -1.74 0.00	66.03 -2.74 0.00	50.85 -2.03 8.20	42.71 -2.60 8.20	46.84 -2.79 6.48	32.45 -2.36 14.48	37.25 -2.08 7.58	36.51 -2.18 9.22	32.08 -3.08 15.89	28.92 -2.76 14.01	32.96 -2.60 8.85	41.10 -3.10 0.00
SELKIRK__I 23801	40.80 0.89 0.00	36.68 0.87 0.00	29.54 0.74 0.00	29.72 0.75 0.00	30.50 0.77 0.00	38.41 0.97 0.00	47.21 1.15 0.00	47.46 1.06 0.00	47.87 0.92 0.00	47.88 0.61 0.00	1.46 -0.25 41.90	36.19 -0.57 9.25	47.73 -0.58 0.00	68.37 -0.41 0.00	52.61 -0.27 0.00	53.51 -0.01 0.00	56.08 -0.03 0.00	49.66 0.37 0.00	47.39 0.48 0.00	48.29 0.39 0.00	51.31 0.25 0.00	45.95 0.26 0.00	44.95 0.54 0.00	45.42 1.22 0.00
SELKIRK__II 23799	40.56 0.65 0.00	36.46 0.64 0.00	29.35 0.55 0.00	29.52 0.55 0.00	30.29 0.56 0.00	38.14 0.70 0.00	46.89 0.82 0.00	47.17 0.77 0.00	47.56 0.61 0.00	47.64 0.36 151.62	-108.01 -0.01 33.48	12.47 -0.57 0.00	48.30 -0.02 0.00	69.06 0.28 0.00	52.97 0.09 0.00	53.62 0.10 0.00	56.15 0.04 0.00	49.71 0.43 0.00	47.45 0.54 0.00	48.33 0.43 0.00	51.36 0.31 0.00	46.02 0.34 0.00	44.81 0.40 0.00	44.80 0.59 0.00
SENECA OSWGO__HYD 24041	38.99 -0.92 0.00	34.98 -0.84 0.00	28.12 -0.68 0.00	28.29 -0.69 0.00	29.01 -0.72 0.00	36.56 -0.88 0.00	45.01 -1.05 0.00	45.27 -1.13 0.00	45.79 -1.16 0.00	46.12 -1.16 0.00	42.63 -0.99 0.00	44.96 -1.05 0.00	47.25 -1.06 0.00	67.22 -1.56 0.00	51.63 -1.25 0.00	52.22 -1.30 0.00	54.78 -1.34 0.00	48.25 -1.03 0.00	46.02 -0.89 0.00	46.94 -0.96 0.00	49.78 -1.27 0.00	44.54 -1.14 0.00	43.30 -1.12 0.00	42.97 -1.23 0.00
SENECA__115KV_TB3 355854	38.11 -1.80 0.00	34.14 -1.67 0.00	27.44 -1.36 0.00	27.68 -1.30 0.00	28.47 -1.26 0.00	35.95 -1.49 0.00	44.66 -1.40 0.00	45.16 -1.24 0.00	45.73 -1.22 0.00	46.26 -1.02 0.00	42.92 -0.69 0.00	45.19 -0.81 0.00	47.13 -1.18 0.00	66.85 -1.92 0.00	51.48 -1.40 0.00	42.77 -1.91 8.84	47.07 -2.06 6.99	32.07 -1.63 15.58	37.31 -1.43 8.16	36.45 -1.53 9.93	31.59 -2.35 17.11	28.41 -2.18 15.09	32.81 -2.06 9.54	41.53 -2.67 0.00
SENECA__ENERGY 23797	39.54 -0.36 0.00	35.47 -0.34 0.00	28.46 -0.34 0.00	28.62 -0.36 0.00	29.41 -0.31 0.00	37.11 -0.33 0.00	45.95 -0.11 0.00	46.40 0.00 0.00	46.77 -0.18 0.00	47.15 -0.13 0.00	43.72 0.10 0.00	46.15 0.14 0.00	48.45 0.13 0.00	68.60 -0.18 0.00	52.80 -0.08 0.00	55.56 0.06 -1.97	57.82 0.15 -1.55	52.96 0.20 -3.47	49.07 0.35 -1.82	50.48 0.37 -2.21	54.61 -0.25 -3.81	48.59 -0.45 -3.36	46.04 -0.50 -2.12	43.66 -0.55 0.00
SHOEMAKER__GT 23640	40.80 0.90 0.00	36.60 0.79 0.00	29.38 0.58 0.00	29.54 0.57 0.00	30.31 0.58 0.00	38.16 0.72 0.00	47.04 0.98 0.00	47.57 1.17 0.00	48.25 1.30 0.00	48.74 1.46 0.00	9.21 1.51 35.91	40.25 1.56 7.32	50.11 1.80 0.00	71.48 2.70 0.00	55.07 2.19 0.00	55.98 2.46 0.00	58.99 2.87 0.00	52.24 2.95 0.00	49.94 3.03 0.00	50.73 2.83 0.00	53.43 2.37 0.00	47.70 2.02 0.00	46.47 2.06 0.00	46.24 2.04 0.00
SHOEMAKR_138KV_BK 111 55601	40.78 0.87 0.00	36.58 0.77 0.00	29.37 0.57 0.00	29.52 0.55 0.00	30.29 0.56 0.00	38.14 0.70 0.00	47.00 0.93 0.00	47.53 1.14 0.00	48.24 1.29 0.00	48.73 1.45 0.00	10.54 1.50 34.58	40.55 1.59 7.04	50.14 1.83 0.00	71.47 2.69 0.00	55.07 2.19 0.00	55.97 2.44 0.00	58.97 2.85 0.00	52.24 2.95 0.00	49.93 3.03 0.00	50.70 2.80 0.00	53.39 2.34 0.00	47.68 1.99 0.00	46.45 2.04 0.00	46.22 2.02 0.00
SHOREHAM_IC_1 23715	41.39 1.48 0.00	37.32 1.51 0.00	30.24 1.44 0.00	30.70 1.72 0.00	31.52 1.79 0.00	39.21 1.78 0.00	47.42 1.36 0.00	47.97 1.57 0.00	48.93 1.98 0.00	49.16 1.88 0.00	84.85 2.25 -38.99	56.41 2.46 -7.94	51.26 2.95 0.00	71.66 2.89 0.00	55.38 2.51 0.00	56.18 2.66 0.00	59.24 3.12 0.00	52.69 3.41 0.00	50.19 3.28 0.00	50.93 3.03 0.00	53.21 2.16 0.00	47.87 2.18 0.00	46.95 2.54 0.00	46.62 2.42 0.00
SHOREHAM_IC_2 23716	41.39 1.48 0.00	37.32 1.51 0.00	30.24 1.44 0.00	30.70 1.72 0.00	31.52 1.79 0.00	39.21 1.78 0.00	47.42 1.36 0.00	47.97 1.57 0.00	48.93 1.98 0.00	49.16 1.88 0.00	84.85 2.25 -38.99	56.41 2.46 -7.94	51.26 2.95 0.00	71.66 2.89 0.00	55.38 2.51 0.00	56.18 2.66 0.00	59.24 3.12 0.00	52.69 3.41 0.00	50.19 3.28 0.00	50.93 3.03 0.00	53.21 2.16 0.00	47.87 2.18 0.00	46.95 2.54 0.00	46.62 2.42 0.00
SISSONVILLE____ 23735	40.36 0.46 0.00	36.22 0.40 0.00	29.15 0.35 0.00	29.30 0.32 0.00	30.02 0.29 0.00	37.94 0.50 0.00	46.61 0.55 0.00	46.99 0.60 0.00	47.40 0.45 0.00	47.81 0.53 0.00	44.26 0.64 0.00	46.57 0.56 0.00	48.82 0.51 0.00	68.83 0.05 0.00	52.69 -0.19 0.00	52.44 -1.09 0.00	54.86 -1.25 0.00	47.44 -1.85 0.00	44.91 -1.99 0.00	46.00 -1.91 0.00	50.05 -1.00 0.00	45.00 -0.68 0.00	43.97 -0.45 0.00	44.02 -0.18 0.00

SITHE_IND_GS1 24169	38.63 -1.28 0.00	34.68 -1.14 0.00	27.90 -0.90 0.00	28.08 -0.90 0.00	28.78 -0.94 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.79 -1.61 0.00	45.30 -1.65 0.00	45.63 -1.65 0.00	42.15 -1.47 0.00	44.45 -1.55 0.00	46.68 -1.63 0.00	66.41 -2.37 0.00	51.07 -1.81 0.00	51.66 -1.87 0.00	54.16 -1.95 0.00	47.69 -1.60 0.00	45.46 -1.45 0.00	46.38 -1.53 0.00	49.22 -1.83 0.00	44.02 -1.66 0.00	42.80 -1.62 0.00	42.52 -1.68 0.00
SITHE_IND_GS2 24170	38.63 -1.28 0.00	34.68 -1.14 0.00	27.90 -0.90 0.00	28.08 -0.90 0.00	28.78 -0.94 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.79 -1.61 0.00	45.30 -1.65 0.00	45.63 -1.65 0.00	42.15 -1.47 0.00	44.45 -1.55 0.00	46.68 -1.63 0.00	66.41 -2.37 0.00	51.07 -1.81 0.00	51.66 -1.87 0.00	54.16 -1.95 0.00	47.69 -1.60 0.00	45.46 -1.45 0.00	46.38 -1.53 0.00	49.22 -1.83 0.00	44.02 -1.66 0.00	42.80 -1.62 0.00	42.52 -1.68 0.00
SITHE_IND_GS3 24171	38.63 -1.28 0.00	34.68 -1.14 0.00	27.90 -0.90 0.00	28.08 -0.90 0.00	28.78 -0.94 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.79 -1.61 0.00	45.30 -1.65 0.00	45.63 -1.65 0.00	42.15 -1.47 0.00	44.45 -1.55 0.00	46.68 -1.63 0.00	66.41 -2.37 0.00	51.07 -1.81 0.00	51.66 -1.87 0.00	54.16 -1.95 0.00	47.69 -1.60 0.00	45.46 -1.45 0.00	46.38 -1.53 0.00	49.22 -1.83 0.00	44.02 -1.66 0.00	42.80 -1.62 0.00	42.52 -1.68 0.00
SITHE_IND_GS4 24172	38.63 -1.28 0.00	34.68 -1.14 0.00	27.90 -0.90 0.00	28.08 -0.90 0.00	28.78 -0.94 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.79 -1.61 0.00	45.30 -1.65 0.00	45.63 -1.65 0.00	42.15 -1.47 0.00	44.45 -1.55 0.00	46.68 -1.63 0.00	66.41 -2.37 0.00	51.07 -1.81 0.00	51.66 -1.87 0.00	54.16 -1.95 0.00	47.69 -1.60 0.00	45.46 -1.45 0.00	46.38 -1.53 0.00	49.22 -1.83 0.00	44.02 -1.66 0.00	42.80 -1.62 0.00	42.52 -1.68 0.00
SITHE___BATAVIA 24024	39.15 -0.75 0.00	35.07 -0.74 0.00	28.21 -0.59 0.00	28.44 -0.53 0.00	29.26 -0.47 0.00	36.95 -0.49 0.00	45.98 -0.09 0.00	46.50 0.10 0.00	47.07 0.12 0.00	47.63 0.36 0.00	44.21 0.59 0.00	46.44 0.43 0.00	48.38 0.07 0.00	68.50 -0.28 0.00	52.54 -0.34 0.00	48.70 -0.75 4.08	52.15 -0.75 3.22	41.96 -0.15 7.18	43.12 -0.02 3.76	43.33 0.00 4.57	42.49 -0.67 7.89	37.97 -0.76 6.96	39.34 -0.67 4.40	42.86 -1.34 0.00
SITHE___INDEPEND 23800	38.63 -1.28 0.00	34.68 -1.13 0.00	27.90 -0.90 0.00	28.08 -0.90 0.00	28.78 -0.94 0.00	36.26 -1.18 0.00	44.60 -1.47 0.00	44.79 -1.61 0.00	45.30 -1.65 0.00	45.63 -1.65 0.00	42.15 -1.47 0.00	44.45 -1.56 0.00	46.68 -1.63 0.00	66.41 -2.37 0.00	51.07 -1.81 0.00	51.65 -1.87 0.00	54.16 -1.95 0.00	47.69 -1.60 0.00	45.46 -1.45 0.00	46.38 -1.53 0.00	49.22 -1.83 0.00	44.02 -1.66 0.00	42.79 -1.62 0.00	42.52 -1.68 0.00
SITHE___MASSENA 23902	40.17 0.26 0.00	36.06 0.25 0.00	29.05 0.26 0.00	29.25 0.28 0.00	30.00 0.27 0.00	37.85 0.41 0.00	46.45 0.39 0.00	46.79 0.39 0.00	47.28 0.33 0.00	47.70 0.42 0.00	44.07 0.45 0.00	46.41 0.40 0.00	48.58 0.27 0.00	68.73 -0.05 0.00	52.88 0.00 0.00	53.20 -0.33 0.00	55.74 -0.37 0.00	48.45 -0.84 0.00	45.93 -0.97 0.00	47.04 -0.86 0.00	50.85 -0.21 0.00	45.58 -0.11 0.00	44.27 -0.15 0.00	44.13 -0.07 0.00
SITHE___OGDNSBRG 24021	40.91 1.00 0.00	36.71 0.90 0.00	29.57 0.77 0.00	29.84 0.87 0.00	30.63 0.90 0.00	38.70 1.26 0.00	47.60 1.54 0.00	47.96 1.56 0.00	48.22 1.27 0.00	48.56 1.28 0.00	45.02 1.40 0.00	47.35 1.35 0.00	49.65 1.33 0.00	69.87 1.09 0.00	53.62 0.74 0.00	53.88 0.36 0.00	56.48 0.36 0.00	49.02 -0.27 0.00	46.45 -0.46 0.00	47.65 -0.25 0.00	51.63 0.57 0.00	46.28 0.60 0.00	45.04 0.63 0.00	44.96 0.75 0.00
SITHE___STERLING 23777	40.85 0.94 0.00	36.60 0.79 0.00	29.37 0.57 0.00	29.52 0.54 0.00	30.24 0.51 0.00	38.21 0.77 0.00	47.17 1.11 0.00	47.55 1.15 0.00	48.12 1.17 0.00	48.27 0.99 0.00	44.63 1.01 0.00	47.38 1.37 0.00	49.93 1.62 0.00	71.22 2.44 0.00	54.73 1.85 0.00	55.30 1.78 0.00	58.00 1.88 0.00	51.06 1.77 0.00	48.49 1.58 0.00	49.52 1.61 0.00	52.52 1.47 0.00	46.86 1.18 0.00	45.49 1.07 0.00	45.10 0.89 0.00
SLEIGHT__34_KV_TB1 80719	39.07 -0.84 0.00	35.01 -0.80 0.00	28.14 -0.65 0.00	28.31 -0.67 0.00	29.10 -0.63 0.00	36.75 -0.69 0.00	45.52 -0.55 0.00	45.92 -0.48 0.00	46.38 -0.57 0.00	46.82 -0.47 0.00	43.37 -0.25 0.00	45.73 -0.27 0.00	47.96 -0.35 0.00	68.05 -0.72 0.00	52.33 -0.54 0.00	52.78 -0.75 0.00	55.48 -0.63 0.00	48.84 -0.45 0.00	46.67 -0.24 0.00	47.65 -0.25 0.00	50.24 -0.81 0.00	44.75 -0.94 0.00	43.44 -0.97 0.00	43.04 -1.16 0.00
SOUTH CAIRO___GT 23612	41.84 1.94 0.00	37.57 1.76 0.00	30.24 1.44 0.00	30.42 1.44 0.00	31.23 1.50 0.00	39.37 1.93 0.00	48.57 2.51 0.00	48.96 2.56 0.00	49.26 2.31 0.00	49.09 1.81 53.32	-8.57 1.14 11.77	35.14 0.91 0.00	49.14 0.82 0.00	71.03 2.25 0.00	55.10 2.23 0.00	56.09 2.57 0.00	58.82 2.70 0.00	52.16 2.87 0.00	49.87 2.96 0.00	50.78 2.88 0.00	53.84 2.79 0.00	48.12 2.43 0.00	46.72 2.30 0.00	46.61 2.40 0.00
SOUTH HAMPTN___IC 23720	42.01 2.11 0.00	37.89 2.08 0.00	30.67 1.88 0.00	31.11 2.13 0.00	31.94 2.21 0.00	39.82 2.38 0.00	48.29 2.23 0.00	48.90 2.50 0.00	49.91 2.96 0.00	50.18 2.90 -38.99	85.86 3.26 -7.94	57.47 3.52 0.00	52.20 3.89 0.00	73.01 4.24 0.00	56.32 3.44 0.00	57.11 3.58 0.00	60.20 4.09 0.00	53.42 4.13 0.00	50.73 3.83 0.00	51.42 3.51 0.00	53.65 2.60 0.00	48.20 2.52 0.00	47.23 2.82 0.00	46.87 2.67 0.00
SOUTHDOW_115KV_TB1 355954	38.46 -1.45 0.00	34.68 -1.13 0.00	27.67 -1.13 0.00	27.99 -0.99 0.00	28.88 -0.85 0.00	36.50 -0.94 0.00	45.48 -0.58 0.00	46.57 0.17 0.00	46.87 -0.08 0.00	47.62 0.34 0.00	44.37 0.75 0.00	46.66 0.65 0.00	48.83 0.52 0.00	69.78 1.00 0.00	53.44 0.56 0.00	49.44 -0.01 4.08	52.83 -0.06 3.23	43.09 0.99 7.19	44.38 1.24 3.77	43.95 0.63 4.58	42.88 -0.28 7.90	37.96 -0.76 6.97	39.35 -0.66 4.41	42.91 -1.29 0.00
SOUTHOLD_69_KV_BK 2 55809	42.57 2.67 0.00	38.44 2.63 0.00	31.10 2.30 0.00	31.53 2.56 0.00	32.38 2.65 0.00	40.42 2.98 0.00	49.09 3.03 0.00	49.74 3.34 0.00	50.78 3.83 0.00	51.09 3.81 0.00	86.72 4.11 -38.99	58.30 4.35 -7.94	52.87 4.56 0.00	73.92 5.14 0.00	56.95 4.07 0.00	57.68 4.16 0.00	60.87 4.75 0.00	53.88 4.60 0.00	50.94 4.04 0.00	51.57 3.67 0.00	53.77 2.72 0.00	48.23 2.55 0.00	47.22 2.81 0.00	46.81 2.61 0.00
SOUTHOLD___IC 23719	42.57 2.67 0.00	38.44 2.62 0.00	31.10 2.30 0.00	31.53 2.56 0.00	32.38 2.65 0.00	40.42 2.98 0.00	49.09 3.03 0.00	49.73 3.34 0.00	50.80 3.85 0.00	51.09 3.81 0.00	86.72 4.11 -38.99	58.29 4.34 -7.94	52.87 4.56 0.00	73.91 5.14 0.00	56.95 4.07 0.00	57.68 4.16 0.00	60.86 4.75 0.00	53.88 4.59 0.00	50.94 4.03 0.00	51.56 3.66 0.00	53.75 2.70 0.00	48.23 2.54 0.00	47.22 2.81 0.00	46.82 2.61 0.00

SOUTH_FORK_WT_PWR 323839	42.64 2.74 0.00	38.55 2.74 0.00	31.21 2.41 0.00	31.64 2.66 0.00	32.49 2.77 0.00	40.57 3.13 0.00	49.27 3.20 0.00	49.93 3.53 0.00	51.00 4.04 0.00	51.26 3.98 0.00	86.86 4.26 -38.99	58.38 4.43 -7.94	52.76 4.45 0.00	73.59 4.82 0.00	56.63 3.76 0.00	57.30 3.78 0.00	60.48 4.37 0.00	53.44 4.15 0.00	50.39 3.48 0.00	50.95 3.05 0.00	53.11 2.06 0.00	47.64 1.96 0.00	46.66 2.25 0.00	46.26 2.06 0.00
SPIERFLS_115KV_TB 1 80737	41.25 1.35 0.00	37.09 1.28 0.00	29.91 1.11 0.00	30.11 1.14 0.00	30.94 1.22 0.00	38.95 1.51 0.00	47.85 1.79 0.00	48.07 1.67 0.00	48.47 1.52 0.00	48.43 1.15 0.00	44.32 0.70 0.00	46.81 0.80 0.00	49.20 0.88 0.00	70.94 2.16 0.00	54.36 1.48 0.00	55.35 1.83 0.00	58.28 2.16 0.00	51.82 2.53 0.00	49.41 2.51 0.00	50.35 2.45 0.00	53.40 2.35 0.00	47.83 2.14 0.00	46.45 2.04 0.00	46.22 2.01 0.00
ST LAWRENCE____ 23600	39.80 -0.10 0.00	35.70 -0.11 0.00	28.75 -0.05 0.00	28.94 -0.04 0.00	29.68 -0.04 0.00	37.42 -0.01 0.00	45.98 -0.09 0.00	46.33 -0.07 0.00	46.85 -0.10 0.00	47.26 -0.02 0.00	43.62 0.00 0.00	45.96 -0.05 0.00	48.11 -0.20 0.00	68.16 -0.62 0.00	52.51 -0.37 0.00	52.93 -0.59 0.00	55.45 -0.67 0.00	48.27 -1.02 0.00	45.79 -1.12 0.00	46.87 -1.03 0.00	50.56 -0.50 0.00	45.26 -0.43 0.00	43.95 -0.47 0.00	43.78 -0.43 0.00
STATE_CA_115KV_115_LB 55624	40.83 0.93 0.00	36.70 0.89 0.00	29.56 0.76 0.00	29.73 0.75 0.00	30.52 0.79 0.00	38.41 0.97 0.00	47.24 1.17 0.00	47.59 1.19 0.00	48.11 1.15 0.00	48.26 0.98 0.00	44.22 0.60 0.00	46.63 0.62 0.00	49.02 0.71 0.00	70.22 1.44 0.00	53.85 0.97 0.00	54.68 1.16 0.00	57.25 1.14 0.00	50.71 1.43 0.00	48.39 1.49 0.00	49.30 1.40 0.00	52.33 1.28 0.00	46.84 1.16 0.00	45.52 1.11 0.00	45.45 1.24 0.00
STATE_ST_34_KV_LOAD 55959	40.10 0.19 0.00	36.00 0.18 0.00	28.91 0.11 0.00	28.99 0.02 0.00	29.85 0.13 0.00	37.58 0.14 0.00	46.50 0.44 0.00	46.89 0.49 0.00	47.13 0.18 0.00	47.42 0.14 0.00	43.91 0.29 0.00	46.38 0.37 0.00	48.73 0.42 0.00	69.27 0.49 0.00	53.29 0.41 0.00	55.13 0.48 -1.12	57.59 0.59 -0.89	52.00 0.73 -1.98	48.80 0.86 -1.04	50.18 1.02 -1.26	53.85 0.63 -2.17	47.85 0.25 -1.91	45.80 0.18 -1.21	44.40 0.19 0.00
STATION 5_MISC_HYD 23604	39.09 -0.82 0.00	35.01 -0.80 0.00	28.16 -0.64 0.00	28.36 -0.61 0.00	29.14 -0.58 0.00	36.78 -0.66 0.00	45.62 -0.45 0.00	46.03 -0.37 0.00	46.62 -0.33 0.00	47.11 -0.16 0.00	43.65 0.03 0.00	45.97 -0.04 0.00	48.07 -0.25 0.00	68.24 -0.54 0.00	52.50 -0.38 0.00	52.86 -0.67 0.00	55.48 -0.63 0.00	48.84 -0.45 0.00	46.65 -0.25 0.00	47.62 -0.28 0.00	50.14 -0.91 0.00	44.74 -0.94 0.00	43.47 -0.94 0.00	42.89 -1.31 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	39.33 -0.58 0.00	35.24 -0.57 0.00	28.31 -0.49 0.00	28.50 -0.47 0.00	29.30 -0.43 0.00	36.98 -0.45 0.00	45.82 -0.25 0.00	46.24 -0.15 0.00	46.79 -0.16 0.00	47.24 -0.04 0.00	43.79 0.17 0.00	46.13 0.12 0.00	48.35 0.03 0.00	68.58 -0.20 0.00	52.82 -0.06 0.00	53.34 -0.18 0.00	56.02 -0.09 0.00	49.29 0.01 0.00	47.08 0.18 0.00	48.05 0.15 0.00	50.59 -0.46 0.00	45.11 -0.57 0.00	43.79 -0.62 0.00	43.36 -0.84 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	38.86 -1.05 0.00	34.81 -1.00 0.00	27.99 -0.81 0.00	28.19 -0.79 0.00	28.97 -0.76 0.00	36.56 -0.87 0.00	45.32 -0.74 0.00	45.73 -0.67 0.00	46.31 -0.64 0.00	46.81 -0.47 0.00	43.37 -0.25 0.00	45.66 -0.34 0.00	47.78 -0.53 0.00	67.83 -0.95 0.00	52.16 -0.72 0.00	52.52 -1.00 0.00	55.13 -0.98 0.00	48.51 -0.78 0.00	46.33 -0.57 0.00	47.27 -0.28 0.00	49.80 -0.63 0.00	44.43 -1.25 0.00	43.16 -1.25 0.00	42.65 -1.56 0.00
STA_56____34_KV_BUS2 355983	38.86 -1.05 0.00	34.81 -1.00 0.00	27.99 -0.81 0.00	28.19 -0.79 0.00	28.97 -0.76 0.00	36.56 -0.87 0.00	45.32 -0.74 0.00	45.73 -0.67 0.00	46.31 -0.64 0.00	46.81 -0.47 0.00	43.37 -0.25 0.00	45.66 -0.34 0.00	47.78 -0.53 0.00	67.83 -0.95 0.00	52.16 -0.72 0.00	52.52 -1.00 0.00	55.13 -0.98 0.00	48.51 -0.78 0.00	46.33 -0.57 0.00	47.27 -0.28 0.00	49.80 -0.63 0.00	44.43 -1.25 0.00	43.16 -1.25 0.00	42.65 -1.56 0.00
STA_67____115KV_BK2 355882	38.99 -0.92 0.00	34.93 -0.88 0.00	28.09 -0.70 0.00	28.31 -0.67 0.00	29.08 -0.65 0.00	36.70 -0.74 0.00	45.50 -0.57 0.00	45.90 -0.50 0.00	46.49 -0.46 0.00	46.99 -0.29 0.00	43.52 -0.10 0.00	45.82 -0.19 0.00	47.92 -0.39 0.00	68.03 -0.75 0.00	52.33 -0.55 0.00	52.67 -0.85 0.00	55.29 -0.83 0.00	48.66 -0.63 0.00	46.48 -0.42 0.00	47.44 -0.46 0.00	49.96 -1.09 0.00	44.58 -1.10 0.00	43.30 -1.11 0.00	42.78 -1.42 0.00
STA_7____115KV_9TRANS 80674	39.30 -0.60 0.00	35.20 -0.61 0.00	28.30 -0.50 0.00	28.51 -0.47 0.00	29.29 -0.43 0.00	36.98 -0.46 0.00	45.88 -0.19 0.00	46.31 -0.09 0.00	46.91 -0.04 0.00	47.43 0.16 0.00	43.95 0.33 0.00	46.28 0.27 0.00	48.41 0.10 0.00	68.74 -0.04 0.00	52.86 -0.02 0.00	53.21 -0.32 0.00	55.88 -0.24 0.00	49.21 -0.08 0.00	47.02 0.12 0.00	47.99 0.09 0.00	50.53 -0.53 0.00	45.06 -0.62 0.00	43.76 -0.65 0.00	43.19 -1.01 0.00
STA_82____115KV_TB1 80780	38.94 -0.97 0.00	34.89 -0.92 0.00	28.06 -0.74 0.00	28.27 -0.70 0.00	29.05 -0.68 0.00	36.65 -0.78 0.00	45.43 -0.63 0.00	45.84 -0.55 0.00	46.43 -0.52 0.00	46.92 -0.36 0.00	43.46 -0.16 0.00	45.75 -0.25 0.00	47.85 -0.46 0.00	67.94 -0.84 0.00	52.25 -0.63 0.00	52.60 -0.92 0.00	55.21 -0.91 0.00	48.57 -0.72 0.00	46.42 -0.48 0.00	47.37 -0.53 0.00	49.88 -1.17 0.00	44.51 -1.17 0.00	43.25 -1.16 0.00	42.72 -1.48 0.00
STEEL____WIND 323596	38.05 -1.85 0.00	34.09 -1.72 0.00	27.39 -1.41 0.00	27.63 -1.35 0.00	28.40 -1.33 0.00	35.87 -1.56 0.00	44.57 -1.49 0.00	45.07 -1.32 0.00	45.66 -1.29 0.00	46.17 -1.11 0.00	42.84 -0.78 0.00	45.14 -0.86 0.00	47.04 -1.27 0.00	66.73 -2.05 0.00	51.36 -1.52 0.00	42.66 -2.02 8.84	46.96 -2.17 6.99	31.96 -1.74 15.58	37.17 -1.57 8.16	36.34 -1.64 9.93	31.50 -2.44 17.11	28.33 -2.26 15.09	32.72 -2.15 9.54	41.44 -2.76 0.00
STEPHTWN_115KV_BK_2 55603	40.92 1.01 0.00	36.72 0.91 0.00	29.57 0.77 0.00	29.74 0.76 0.00	30.52 0.80 0.00	38.53 1.10 0.00	47.44 1.37 0.00	47.75 1.36 0.00	48.20 1.25 0.00	48.29 1.00 0.00	44.22 0.60 0.00	46.57 0.56 0.00	48.83 0.51 0.00	70.08 1.31 0.00	53.70 0.82 0.00	54.69 1.17 0.00	57.28 1.16 0.00	50.78 1.49 0.00	48.53 1.62 0.00	49.42 1.52 0.00	52.32 1.27 0.00	46.88 1.20 0.00	45.56 1.15 0.00	45.52 1.31 0.00
STEUBEN_REC_LFGE 323667	38.42 -1.49 0.00	34.51 -1.31 0.00	27.49 -1.31 0.00	27.57 -1.41 0.00	28.43 -1.30 0.00	36.03 -1.41 0.00	44.79 -1.27 0.00	45.38 -1.02 0.00	45.97 -0.98 0.00	46.82 -0.46 0.00	43.22 -0.40 0.00	45.57 -0.43 0.00	47.96 -0.36 0.00	67.50 -1.27 0.00	51.16 -1.72 0.00	69.90 -1.90 -18.28	68.76 -1.80 -14.44	80.82 -0.71 -32.25	63.45 -0.34 -16.88	68.14 -0.30 -20.53	85.05 -1.40 -35.40	75.37 -1.53 -31.21	62.56 -1.58 -19.73	42.02 -2.19 -0.01

STILLWATER___SOLAR 323814	41.45 1.54 0.00	37.24 1.42 0.00	29.99 1.20 0.00	30.19 1.21 0.00	31.00 1.28 0.00	39.05 1.61 0.00	48.06 2.00 0.00	48.35 1.96 0.00	48.77 1.82 0.00	48.85 1.57 0.00	44.71 1.09 0.00	47.17 1.16 0.00	49.58 1.26 0.00	71.31 2.53 0.00	54.70 1.83 0.00	55.62 2.10 0.00	58.38 2.26 0.00	51.82 2.53 0.00	49.42 2.52 0.00	50.37 2.47 0.00	53.48 2.43 0.00	47.86 2.18 0.00	46.50 2.08 0.00	46.30 2.10 0.00
STONY___BROOK 24151	41.66 1.76 0.00	37.49 1.68 0.00	30.21 1.42 0.00	30.52 1.55 0.00	31.35 1.63 0.00	39.21 1.77 0.00	47.85 1.78 0.00	48.42 2.02 0.00	49.41 2.46 0.00	49.50 2.22 0.00	85.45 2.84 -38.99	57.13 3.18 -7.94	51.99 3.68 0.00	72.92 4.14 0.00	56.35 3.47 0.00	57.07 3.55 0.00	59.75 3.63 0.00	53.10 3.81 0.00	50.62 3.71 0.00	51.35 3.45 0.00	53.69 2.64 0.00	48.42 2.74 0.00	47.53 3.11 0.00	47.31 3.10 0.00
STURGEON_POOL_HYD 23609	41.01 1.11 0.00	36.77 0.95 0.00	29.49 0.69 0.00	29.66 0.68 0.00	30.42 0.69 0.00	38.32 0.88 0.00	47.22 1.15 0.00	47.81 1.42 0.00	48.61 1.65 0.00	49.15 1.87 0.00	33.86 1.99 11.74	45.57 2.16 2.59	50.68 2.36 0.00	72.18 3.40 0.00	55.67 2.79 0.00	56.76 3.24 0.00	59.77 3.65 0.00	53.02 3.73 0.00	50.68 3.78 0.00	51.43 3.53 0.00	54.08 3.03 0.00	48.30 2.61 0.00	47.03 2.62 0.00	46.72 2.51 0.00
ST_LAW_115_BK7_LBMP 345037	39.79 -0.11 0.00	35.70 -0.11 0.00	28.75 -0.05 0.00	28.94 -0.04 0.00	29.69 -0.04 0.00	37.43 -0.01 0.00	45.97 -0.10 0.00	46.33 -0.07 0.00	46.84 -0.11 0.00	47.25 -0.03 0.00	43.62 0.00 0.00	45.95 -0.06 0.00	48.09 -0.22 0.00	68.11 -0.66 0.00	52.46 -0.42 0.00	52.86 -0.67 0.00	55.37 -0.74 0.00	48.17 -1.12 0.00	45.68 -1.23 0.00	46.79 -1.11 0.00	50.51 -0.54 0.00	45.23 -0.46 0.00	43.91 -0.50 0.00	43.76 -0.44 0.00
ST_LAW_115_BK8_LBMP 345038	39.79 -0.11 0.00	35.70 -0.11 0.00	28.75 -0.05 0.00	28.94 -0.04 0.00	29.69 -0.04 0.00	37.43 -0.01 0.00	45.97 -0.10 0.00	46.33 -0.07 0.00	46.84 -0.11 0.00	47.25 -0.03 0.00	43.62 0.00 0.00	45.95 -0.06 0.00	48.09 -0.22 0.00	68.11 -0.66 0.00	52.46 -0.42 0.00	52.86 -0.67 0.00	55.37 -0.74 0.00	48.17 -1.12 0.00	45.68 -1.23 0.00	46.79 -1.11 0.00	50.51 -0.54 0.00	45.23 -0.46 0.00	43.91 -0.50 0.00	43.76 -0.44 0.00
ST_LAW_230_BK5_LBMP 345035	39.80 -0.10 0.00	35.70 -0.11 0.00	28.75 -0.05 0.00	28.94 -0.04 0.00	29.68 -0.04 0.00	37.42 -0.01 0.00	45.98 -0.09 0.00	46.33 -0.07 0.00	46.85 -0.10 0.00	47.26 -0.02 0.00	43.62 0.00 0.00	45.96 -0.05 0.00	48.11 -0.20 0.00	68.16 -0.62 0.00	52.51 -0.37 0.00	52.93 -0.59 0.00	55.45 -0.67 0.00	48.27 -1.02 0.00	45.79 -1.12 0.00	46.87 -1.03 0.00	50.56 -0.50 0.00	45.26 -0.43 0.00	43.95 -0.47 0.00	43.78 -0.43 0.00
ST_LAW_230_BK6_LBMP 345036	39.80 -0.10 0.00	35.70 -0.11 0.00	28.75 -0.05 0.00	28.94 -0.04 0.00	29.68 -0.04 0.00	37.42 -0.01 0.00	45.98 -0.09 0.00	46.33 -0.07 0.00	46.85 -0.10 0.00	47.26 -0.02 0.00	43.62 0.00 0.00	45.96 -0.05 0.00	48.11 -0.20 0.00	68.16 -0.62 0.00	52.51 -0.37 0.00	52.93 -0.59 0.00	55.45 -0.67 0.00	48.27 -1.02 0.00	45.79 -1.12 0.00	46.87 -1.03 0.00	50.56 -0.50 0.00	45.26 -0.43 0.00	43.95 -0.47 0.00	43.78 -0.43 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	40.89 0.99 0.00	36.68 0.87 0.00	29.43 0.63 0.00	29.58 0.61 0.00	30.35 0.63 0.00	38.23 0.79 0.00	47.12 1.05 0.00	47.68 1.28 0.00	48.42 1.47 0.00	48.93 1.66 0.00	4.99 1.75 40.38	39.67 1.89 8.23	50.54 2.23 0.00	71.89 3.11 0.00	55.42 2.55 0.00	56.35 2.82 0.00	59.41 3.30 0.00	52.66 3.38 0.00	50.34 3.44 0.00	51.06 3.16 0.00	53.67 2.61 0.00	47.89 2.21 0.00	46.69 2.28 0.00	46.45 2.24 0.00
SWANROAD_115KV_TB1 355699	37.17 -2.74 0.00	33.33 -2.49 0.00	26.86 -1.94 0.00	27.09 -1.89 0.00	27.86 -1.87 0.00	35.11 -2.33 0.00	43.61 -2.46 0.00	43.93 -2.47 0.00	44.38 -2.57 0.00	44.93 -2.35 0.00	41.65 -1.97 0.00	43.73 -2.27 0.00	45.52 -2.80 0.00	64.39 -4.39 0.00	49.63 -3.24 0.00	43.32 -3.62 6.58	46.94 -3.97 5.20	34.54 -3.15 11.60	37.77 -3.06 6.08	37.43 -3.08 7.39	34.47 -3.84 12.74	31.02 -3.43 11.24	34.10 -3.21 7.10	40.25 -3.95 0.00
SYNERGY___BIOGAS 323694	39.16 -0.75 0.00	35.07 -0.74 0.00	28.21 -0.58 0.00	28.45 -0.53 0.00	29.25 -0.47 0.00	36.95 -0.49 0.00	45.97 -0.09 0.00	46.50 0.10 0.00	47.08 0.13 0.00	47.64 0.36 0.00	44.22 0.60 0.00	46.42 0.41 0.00	48.38 0.07 0.00	68.50 -0.28 0.00	52.54 -0.34 0.00	48.66 -0.79 4.08	52.14 -0.75 3.22	41.93 -0.17 7.18	43.11 -0.03 3.76	43.29 -0.04 4.57	42.46 -0.70 7.89	37.93 -0.79 6.96	39.31 -0.71 4.40	42.86 -1.34 0.00
SYRACUSE___ENERGY_ST1 323597	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.93 -0.35 0.00	43.44 -0.18 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.45 0.54 0.00	48.43 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.43 0.02 0.00	44.12 -0.08 0.00
SYRACUSE___ENERGY_ST2 323598	39.84 -0.07 0.00	35.75 -0.06 0.00	28.72 -0.08 0.00	28.88 -0.10 0.00	29.66 -0.07 0.00	37.35 -0.09 0.00	46.01 -0.06 0.00	46.29 -0.10 0.00	46.62 -0.33 0.00	46.93 -0.35 0.00	43.44 -0.18 0.00	45.85 -0.16 0.00	48.21 -0.10 0.00	68.62 -0.16 0.00	52.77 -0.11 0.00	53.62 0.10 0.00	56.31 0.19 0.00	49.73 0.44 0.00	47.45 0.54 0.00	48.43 0.53 0.00	51.25 0.20 0.00	45.75 0.06 0.00	44.43 0.02 0.00	44.12 -0.08 0.00
SYRACUSE___POWER 24017	39.70 -0.21 0.00	35.61 -0.20 0.00	28.60 -0.19 0.00	28.79 -0.19 0.00	29.54 -0.19 0.00	37.25 -0.19 0.00	45.90 -0.16 0.00	46.21 -0.19 0.00	46.70 -0.25 0.00	47.00 -0.27 0.00	43.50 -0.11 0.00	45.94 -0.06 0.00	48.29 -0.03 0.00	68.76 -0.02 0.00	52.86 -0.02 0.00	53.55 0.02 0.00	56.19 0.08 0.00	49.57 0.28 0.00	47.28 0.37 0.00	48.24 0.34 0.00	51.06 0.01 0.00	45.60 -0.08 0.00	44.29 -0.12 0.00	43.95 -0.26 0.00
TALLMAN___138KV_BK151 55660	40.96 1.05 0.00	36.75 0.93 0.00	29.45 0.65 0.00	29.60 0.63 0.00	30.37 0.64 0.00	38.25 0.81 0.00	47.18 1.11 0.00	47.77 1.37 0.00	48.53 1.58 0.00	49.08 1.80 0.00	-6.00 1.94 51.56	37.63 2.12 10.50	50.83 2.51 0.00	72.26 3.48 0.00	55.79 2.91 0.00	56.75 3.23 0.00	59.88 3.77 0.00	53.11 3.82 0.00	50.78 3.87 0.00	51.44 3.54 0.00	54.01 2.96 0.00	48.18 2.49 0.00	46.99 2.57 0.00	46.72 2.52 0.00
TEALLAVE_115KV_TB7 355573	39.49 -0.42 0.00	35.43 -0.38 0.00	28.47 -0.32 0.00	28.64 -0.33 0.00	29.39 -0.33 0.00	37.07 -0.37 0.00	45.67 -0.39 0.00	45.97 -0.43 0.00	46.50 -0.45 0.00	46.84 -0.44 0.00	43.34 -0.28 0.00	45.74 -0.27 0.00	48.06 -0.26 0.00	68.40 -0.38 0.00	52.58 -0.30 0.00	53.21 -0.31 0.00	55.83 -0.29 0.00	49.22 -0.07 0.00	46.96 0.05 0.00	47.90 0.00 0.00	50.71 -0.34 0.00	45.29 -0.39 0.00	43.99 -0.43 0.00	43.65 -0.55 0.00

TELGRAPH_34_KV_EAST 80808	38.21 -1.70 0.00	34.23 -1.58 0.00	27.56 -1.23 0.00	27.79 -1.19 0.00	28.58 -1.14 0.00	36.07 -1.37 0.00	44.83 -1.23 0.00	45.25 -1.15 0.00	45.77 -1.19 0.00	46.33 -0.94 0.00	42.97 -0.65 0.00	45.10 -0.91 0.00	46.96 -1.36 0.00	66.44 -2.33 0.00	51.02 -1.85 0.00	45.87 -2.28 5.37	49.46 -2.42 4.24	38.04 -1.79 9.46	40.32 -1.63 4.96	40.20 -1.67 6.03	38.25 -2.41 10.39	34.30 -2.22 9.17	36.64 -1.98 5.80	41.60 -2.60 0.00
TEMPLE___115KV_TB 2 55572	39.50 -0.41 0.00	35.43 -0.38 0.00	28.48 -0.32 0.00	28.65 -0.32 0.00	29.40 -0.32 0.00	37.08 -0.36 0.00	45.69 -0.38 0.00	45.98 -0.42 0.00	46.51 -0.43 0.00	46.86 -0.42 0.00	43.37 -0.25 0.00	45.76 -0.25 0.00	48.07 -0.24 0.00	68.43 -0.35 0.00	52.61 -0.27 0.00	53.24 -0.28 0.00	55.85 -0.26 0.00	49.25 -0.04 0.00	46.98 0.07 0.00	47.92 0.02 0.00	50.73 -0.33 0.00	45.31 -0.38 0.00	44.01 -0.40 0.00	43.68 -0.52 0.00
TIANA___69_KV_BK 1 55817	41.86 1.95 0.00	37.73 1.92 0.00	30.54 1.74 0.00	30.97 1.99 0.00	31.80 2.07 0.00	39.63 2.19 0.00	48.08 2.01 0.00	48.66 2.26 0.00	49.64 2.69 0.00	49.90 2.63 0.00	85.60 2.99 -38.99	57.20 3.25 -7.94	52.01 3.70 0.00	72.83 4.05 0.00	56.20 3.32 0.00	57.00 3.48 0.00	60.10 3.98 0.00	53.39 4.10 0.00	50.75 3.84 0.00	51.47 3.57 0.00	53.73 2.68 0.00	48.29 2.61 0.00	47.32 2.90 0.00	46.96 2.76 0.00
TILDEN___115KV_TB1 80814	39.70 -0.21 0.00	35.61 -0.20 0.00	28.60 -0.19 0.00	28.79 -0.19 0.00	29.54 -0.19 0.00	37.25 -0.19 0.00	45.90 -0.16 0.00	46.21 -0.19 0.00	46.70 -0.25 0.00	47.00 -0.27 0.00	43.50 -0.11 0.00	45.94 -0.06 0.00	48.29 -0.03 0.00	68.76 -0.02 0.00	52.86 -0.02 0.00	53.55 0.02 0.00	56.19 0.08 0.00	49.57 0.28 0.00	47.28 0.37 0.00	48.24 0.34 0.00	51.06 0.01 0.00	45.60 -0.08 0.00	44.29 -0.12 0.00	43.95 -0.26 0.00
TRIGEN___CC 323695	41.41 1.51 0.00	37.17 1.36 0.00	29.86 1.06 0.00	30.06 1.09 0.00	30.85 1.12 0.00	38.72 1.28 0.00	47.56 1.49 0.00	48.21 1.81 0.00	49.11 2.16 0.00	49.60 2.32 0.00	85.16 2.55 -38.99	56.78 2.83 -7.94	51.54 3.22 0.00	72.69 3.92 0.00	56.16 3.28 0.00	57.10 3.57 0.00	60.15 4.04 0.00	53.35 4.06 0.00	50.94 4.03 0.00	51.72 3.82 0.00	54.19 3.13 0.00	48.54 2.86 0.00	47.39 2.98 0.00	47.21 3.01 0.00
TRINITY___115KV__ 4 BK 55933	40.62 0.72 0.00	36.52 0.71 0.00	29.43 0.63 0.00	29.60 0.62 0.00	30.38 0.65 0.00	38.23 0.79 0.00	46.98 0.91 0.00	47.32 0.92 0.00	47.84 0.89 0.00	47.99 0.71 0.00	43.98 0.36 0.00	46.35 0.34 0.00	48.69 0.38 0.00	69.73 0.95 0.00	53.46 0.59 0.00	54.30 0.78 0.00	56.85 0.73 0.00	50.36 1.07 0.00	48.06 1.15 0.00	48.97 1.06 0.00	52.01 0.96 0.00	46.56 0.88 0.00	45.26 0.85 0.00	45.21 1.00 0.00
UNION___PROCESSING_DRP 323587	38.94 -0.96 0.00	34.89 -0.92 0.00	28.07 -0.73 0.00	28.28 -0.70 0.00	29.05 -0.67 0.00	36.66 -0.78 0.00	45.45 -0.61 0.00	45.85 -0.55 0.00	46.44 -0.51 0.00	46.93 -0.35 0.00	43.47 -0.15 0.00	45.76 -0.24 0.00	47.86 -0.45 0.00	67.94 -0.84 0.00	52.26 -0.62 0.00	52.60 -0.92 0.00	55.23 -0.89 0.00	48.61 -0.68 0.00	46.43 -0.48 0.00	47.38 -0.52 0.00	49.90 -1.15 0.00	44.52 -1.16 0.00	43.26 -1.16 0.00	42.74 -1.46 0.00
UPPER HUDSON___HYD 24058	41.25 1.35 0.00	37.09 1.29 0.00	29.91 1.11 0.00	30.11 1.14 0.00	30.94 1.22 0.00	38.95 1.51 0.00	47.85 1.79 0.00	48.07 1.67 0.00	48.47 1.52 0.00	48.43 1.15 0.00	44.32 0.70 0.00	46.81 0.80 0.00	49.20 0.88 0.00	70.94 2.16 0.00	54.36 1.48 0.00	55.35 1.83 0.00	58.28 2.16 0.00	51.81 2.53 0.00	49.41 2.51 0.00	50.35 2.45 0.00	53.40 2.35 0.00	47.83 2.14 0.00	46.45 2.04 0.00	46.22 2.02 0.00
UPPER RAQUET___HYD 24056	40.36 0.45 0.00	36.22 0.40 0.00	29.15 0.35 0.00	29.30 0.32 0.00	30.02 0.29 0.00	37.94 0.50 0.00	46.62 0.55 0.00	47.00 0.60 0.00	47.40 0.45 0.00	47.82 0.54 0.00	44.26 0.64 0.00	46.57 0.56 0.00	48.82 0.51 0.00	68.83 0.05 0.00	52.69 -0.19 0.00	52.44 -1.09 0.00	54.86 -1.25 0.00	47.43 -1.85 0.00	44.91 -1.99 0.00	46.00 -1.90 0.00	50.04 -1.01 0.00	45.00 -0.68 0.00	43.97 -0.45 0.00	44.03 -0.18 0.00
VALLEY44_115KV_TB2 355964	38.73 -1.18 0.00	35.08 -0.73 0.00	28.06 -0.73 0.00	28.34 -0.64 0.00	29.20 -0.52 0.00	36.81 -0.63 0.00	45.60 -0.46 0.00	46.23 -0.17 0.00	46.70 -0.25 0.00	47.45 0.18 0.00	44.01 0.40 0.00	45.94 -0.07 0.00	48.08 -0.24 0.00	68.72 -0.05 0.00	52.62 -0.26 0.00	50.34 -0.79 2.40	53.50 -0.72 1.89	45.31 0.25 4.22	45.21 0.51 2.21	45.64 0.43 2.69	45.82 -0.60 4.64	40.44 -1.15 4.09	40.94 -0.88 2.59	42.94 -1.27 0.00
VALLEY___115KV_TB 1-4 80826	40.58 0.67 0.00	36.40 0.59 0.00	29.29 0.49 0.00	29.47 0.50 0.00	30.24 0.51 0.00	38.17 0.73 0.00	47.03 0.97 0.00	47.27 0.87 0.00	47.75 0.80 0.00	47.66 0.39 0.00	43.33 -0.29 0.00	46.05 0.05 0.00	48.58 0.26 0.00	69.93 1.15 0.00	53.78 0.90 0.00	54.78 1.26 0.00	57.27 1.16 0.00	50.64 1.35 0.00	48.28 1.37 0.00	49.41 1.51 0.00	52.33 1.28 0.00	46.78 1.09 0.00	45.37 0.96 0.00	45.10 0.89 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	40.95 1.04 0.00	36.75 0.94 0.00	29.50 0.70 0.00	29.67 0.69 0.00	30.46 0.73 0.00	38.40 0.96 0.00	47.36 1.29 0.00	47.77 1.37 0.00	48.38 1.43 0.00	48.89 1.61 0.00	45.27 1.65 0.00	47.73 1.72 0.00	50.24 1.93 0.00	71.68 2.90 0.00	55.15 2.27 0.00	55.91 2.38 0.00	58.74 2.63 0.00	51.95 2.66 0.00	49.55 2.65 0.00	50.46 2.56 0.00	53.35 2.30 0.00	47.63 1.95 0.00	46.29 1.88 0.00	45.99 1.79 0.00
VISCHER___FERRY HYD 24020	41.08 1.18 0.00	36.92 1.11 0.00	29.74 0.94 0.00	29.94 0.96 0.00	30.73 1.00 0.00	38.67 1.23 0.00	47.57 1.50 0.00	47.89 1.50 0.00	48.37 1.42 0.00	48.55 1.27 0.00	44.41 0.80 0.00	46.81 0.80 0.00	49.13 0.81 0.00	70.48 1.71 0.00	54.00 1.12 0.00	54.92 1.39 0.00	57.48 1.36 0.00	51.02 1.73 0.00	48.70 1.79 0.00	49.60 1.70 0.00	52.76 1.71 0.00	47.24 1.56 0.00	45.89 1.48 0.00	45.82 1.61 0.00
V_A_10_SYNC_DSASP 323832	37.93 -1.98 0.00	34.00 -1.81 0.00	27.38 -1.41 0.00	27.61 -1.37 0.00	28.38 -1.34 0.00	35.78 -1.66 0.00	44.36 -1.70 0.00	44.72 -1.68 0.00	45.23 -1.73 0.00	45.74 -1.54 0.00	42.38 -1.24 0.00	44.53 -1.48 0.00	46.50 -1.82 0.00	65.96 -2.82 0.00	50.78 -2.10 0.00	46.71 -2.62 4.19	50.04 -2.77 3.31	39.48 -2.41 7.40	40.94 -2.09 3.87	41.00 -2.19 4.71	39.91 -3.02 8.12	35.81 -2.72 7.15	37.32 -2.57 4.52	41.28 -2.92 0.00
V_CMM_10_SYNC_DSASP 323787	39.93 0.02 0.00	35.87 0.06 0.00	28.86 0.06 0.00	29.07 0.09 0.00	29.81 0.08 0.00	37.58 0.15 0.00	46.09 0.02 0.00	46.44 0.04 0.00	46.97 0.02 0.00	47.39 0.11 0.00	43.77 0.15 0.00	46.10 0.09 0.00	48.22 -0.09 0.00	68.30 -0.48 0.00	52.60 -0.27 0.00	53.00 -0.52 0.00	55.52 -0.59 0.00	48.32 -0.96 0.00	45.80 -1.11 0.00	46.93 -0.97 0.00	50.68 -0.37 0.00	45.34 -0.34 0.00	44.04 -0.38 0.00	43.89 -0.31 0.00

V_CMP_10_SYNC_DSASP 323788	40.24 0.34 0.00	36.12 0.30 0.00	29.08 0.28 0.00	29.30 0.32 0.00	30.03 0.30 0.00	37.88 0.44 0.00	46.45 0.38 0.00	46.73 0.33 0.00	47.23 0.28 0.00	47.68 0.40 0.00	43.94 0.33 0.00	46.33 0.32 0.00	48.51 0.19 0.00	68.73 -0.04 0.00	52.85 -0.03 0.00	53.52 0.00 0.00	56.11 0.00 0.00	48.95 -0.34 0.00	46.39 -0.52 0.00	47.23 -0.67 0.00	50.72 -0.33 0.00	45.43 -0.25 0.00	43.97 -0.44 0.00	43.78 -0.43 0.00
V_D_10_SYNC_DSASP 323841	40.16 0.26 0.00	36.06 0.25 0.00	29.05 0.25 0.00	29.26 0.28 0.00	30.00 0.27 0.00	37.84 0.40 0.00	46.44 0.37 0.00	46.78 0.38 0.00	47.27 0.32 0.00	47.70 0.42 0.00	44.07 0.45 0.00	46.41 0.40 0.00	48.57 0.26 0.00	68.73 -0.05 0.00	52.88 0.00 0.00	53.20 -0.32 0.00	55.74 -0.37 0.00	48.45 -0.84 0.00	45.95 -0.95 0.00	47.06 -0.84 0.00	50.86 -0.20 0.00	45.58 -0.11 0.00	44.27 -0.14 0.00	44.13 -0.07 0.00
V_E_10_SYNC_DSASP 323830	41.96 2.05 0.00	37.46 1.65 0.00	29.64 0.84 0.00	29.72 0.75 0.00	30.47 0.75 0.00	38.62 1.18 0.00	47.80 1.73 0.00	48.23 1.83 0.00	49.04 2.08 0.00	49.01 1.73 0.00	45.50 1.88 0.00	48.03 2.02 0.00	50.64 2.33 0.00	72.28 3.50 0.00	55.23 2.36 0.00	58.05 2.93 -1.59	60.58 3.21 -1.26	54.93 2.83 -2.81	51.55 3.17 -1.47	52.14 2.45 -1.79	56.49 2.36 -3.08	49.97 1.56 -2.72	47.52 1.39 -1.72	45.76 1.55 0.00
V_F_30_NSYNC___DSASP 323816	41.47 1.57 0.00	37.26 1.44 0.00	30.01 1.21 0.00	30.20 1.22 0.00	31.01 1.28 0.00	39.05 1.62 0.00	48.10 2.03 0.00	48.39 1.99 0.00	48.82 1.87 0.00	48.91 1.63 0.00	44.80 1.18 0.00	47.26 1.26 0.00	49.68 1.37 0.00	71.45 2.67 0.00	54.80 1.92 0.00	55.70 2.17 0.00	58.44 2.33 0.00	51.86 2.58 0.00	49.47 2.56 0.00	50.42 2.52 0.00	53.52 2.46 0.00	47.90 2.21 0.00	46.54 2.13 0.00	46.34 2.13 0.00
V_F_30_SYNC_DSASP 323786	40.82 0.92 0.00	36.70 0.89 0.00	29.56 0.76 0.00	29.72 0.75 0.00	30.51 0.78 0.00	38.41 0.97 0.00	47.23 1.16 0.00	47.58 1.18 0.00	48.10 1.15 0.00	48.26 0.98 0.00	44.22 0.60 0.00	46.61 0.61 0.00	49.01 0.69 0.00	70.21 1.43 0.00	53.84 0.96 0.00	54.68 1.16 0.00	57.24 1.13 0.00	50.70 1.41 0.00	48.38 1.47 0.00	49.28 1.38 0.00	52.32 1.27 0.00	46.84 1.15 0.00	45.51 1.10 0.00	45.44 1.24 0.00
V_XM_10_SYNC_DSASP 323789	40.24 0.34 0.00	36.12 0.30 0.00	29.08 0.28 0.00	29.30 0.32 0.00	30.03 0.30 0.00	37.88 0.44 0.00	46.45 0.38 0.00	46.73 0.33 0.00	47.23 0.28 0.00	47.68 0.40 0.00	43.94 0.33 0.00	46.33 0.32 0.00	48.51 0.19 0.00	68.73 -0.04 0.00	52.85 -0.03 0.00	53.52 0.00 0.00	56.11 0.00 0.00	48.95 -0.34 0.00	46.39 -0.52 0.00	47.23 -0.67 0.00	50.72 -0.33 0.00	45.43 -0.25 0.00	43.97 -0.44 0.00	43.78 -0.43 0.00
W.BABYLN_69_KV_BK1 56697	42.01 2.10 0.00	37.73 1.92 0.00	30.35 1.55 0.00	30.60 1.63 0.00	31.41 1.68 0.00	39.35 1.91 0.00	48.22 2.15 0.00	48.84 2.44 0.00	49.83 2.88 0.00	50.17 2.90 0.00	85.84 3.24 -38.99	57.48 3.53 -7.94	52.39 4.07 0.00	73.63 4.85 0.00	56.91 4.03 0.00	57.77 4.24 0.00	60.88 4.76 0.00	54.11 4.82 0.00	51.57 4.66 0.00	52.38 4.48 0.00	54.81 3.76 0.00	49.19 3.51 0.00	48.04 3.62 0.00	47.83 3.63 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	41.15 1.25 0.00	36.92 1.11 0.00	29.59 0.80 0.00	29.76 0.78 0.00	30.52 0.80 0.00	38.45 1.01 0.00	47.42 1.36 0.00	48.02 1.63 0.00	48.80 1.85 0.00	49.35 2.07 0.00	84.00 2.16 -38.22	56.15 2.35 -7.79	51.06 2.75 0.00	72.62 3.84 0.00	56.04 3.16 0.00	57.00 3.47 0.00	60.13 4.02 0.00	53.34 4.05 0.00	51.00 4.09 0.00	51.66 3.76 0.00	54.24 3.18 0.00	48.38 2.69 0.00	47.18 2.77 0.00	46.92 2.72 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	41.34 1.44 0.00	37.04 1.22 0.00	29.69 0.89 0.00	29.86 0.89 0.00	30.63 0.91 0.00	38.61 1.17 0.00	47.62 1.55 0.00	48.27 1.87 0.00	49.14 2.19 0.00	49.72 2.44 0.00	85.56 2.58 -39.36	56.81 2.78 -8.02	51.39 3.07 0.00	72.85 4.08 0.00	56.22 3.34 0.00	57.17 3.65 0.00	60.29 4.17 0.00	53.47 4.18 0.00	51.19 4.28 0.00	51.81 3.91 0.00	54.27 3.22 0.00	48.52 2.84 0.00	47.40 2.99 0.00	47.21 3.00 0.00
W50THST__13_KV_LOAD 356117	41.59 1.69 0.00	37.28 1.47 0.00	29.90 1.10 0.00	30.04 1.07 0.00	30.80 1.07 0.00	38.82 1.39 0.00	47.91 1.85 0.00	48.59 2.19 0.00	49.51 2.56 0.00	50.12 2.84 0.00	85.96 2.98 -39.36	57.26 3.23 -8.02	51.87 3.56 0.00	73.54 4.76 0.00	56.73 3.85 0.00	57.67 4.14 0.00	60.82 4.70 0.00	53.91 4.62 0.00	51.58 4.67 0.00	52.18 4.28 0.00	54.63 3.58 0.00	48.84 3.15 0.00	47.68 3.27 0.00	47.47 3.27 0.00
WADING RIVER_IC_1 23522	41.35 1.44 0.00	37.30 1.49 0.00	30.23 1.44 0.00	30.72 1.74 0.00	31.53 1.80 0.00	39.21 1.77 0.00	47.38 1.32 0.00	47.93 1.53 0.00	48.90 1.95 0.00	49.11 1.83 0.00	84.83 2.22 -38.99	56.40 2.45 -7.94	51.22 2.91 0.00	71.72 2.94 0.00	55.38 2.50 0.00	56.17 2.65 0.00	59.19 3.08 0.00	52.62 3.34 0.00	50.12 3.22 0.00	50.85 2.94 0.00	53.14 2.08 0.00	47.81 2.12 0.00	46.92 2.50 0.00	46.58 2.37 0.00
WADING RIVER_IC_2 23547	41.35 1.44 0.00	37.30 1.49 0.00	30.23 1.44 0.00	30.72 1.74 0.00	31.53 1.80 0.00	39.21 1.77 0.00	47.38 1.32 0.00	47.93 1.53 0.00	48.90 1.95 0.00	49.11 1.83 0.00	84.83 2.22 -38.99	56.40 2.45 -7.94	51.22 2.91 0.00	71.72 2.94 0.00	55.38 2.50 0.00	56.17 2.65 0.00	59.19 3.08 0.00	52.62 3.34 0.00	50.12 3.22 0.00	50.85 2.94 0.00	53.14 2.08 0.00	47.81 2.12 0.00	46.92 2.50 0.00	46.58 2.37 0.00
WADING RIVER_IC_3 23601	41.35 1.44 0.00	37.30 1.49 0.00	30.23 1.44 0.00	30.72 1.74 0.00	31.53 1.80 0.00	39.21 1.77 0.00	47.38 1.32 0.00	47.93 1.53 0.00	48.90 1.95 0.00	49.11 1.83 0.00	84.83 2.22 -38.99	56.40 2.45 -7.94	51.22 2.91 0.00	71.72 2.94 0.00	55.38 2.50 0.00	56.17 2.65 0.00	59.19 3.08 0.00	52.62 3.34 0.00	50.12 3.22 0.00	50.85 2.94 0.00	53.14 2.08 0.00	47.81 2.12 0.00	46.92 2.50 0.00	46.58 2.37 0.00
WALDENNY_12_KV_BK2 80841	38.10 -1.81 0.00	34.14 -1.67 0.00	27.45 -1.35 0.00	27.68 -1.30 0.00	28.47 -1.26 0.00	35.95 -1.49 0.00	44.68 -1.38 0.00	45.17 -1.23 0.00	45.75 -1.20 0.00	46.30 -0.98 0.00	42.98 -0.64 0.00	45.21 -0.80 0.00	47.14 -1.18 0.00	66.85 -1.92 0.00	51.49 -1.39 0.00	43.04 -1.89 8.60	47.28 -2.04 6.79	32.50 -1.63 15.15	37.51 -1.46 7.94	36.71 -1.54 9.65	32.06 -2.35 16.64	28.83 -2.19 14.67	33.07 -2.07 9.28	41.52 -2.68 0.00
WALDEN___HYDRO 24148	41.10 1.19 0.00	36.85 1.03 0.00	29.56 0.77 0.00	29.72 0.75 0.00	30.49 0.76 0.00	38.40 0.96 0.00	47.35 1.28 0.00	47.92 1.52 0.00	48.67 1.72 0.00	49.16 1.89 0.00	31.57 1.94 14.00	45.22 2.07 2.85	50.69 2.38 0.00	72.17 3.39 0.00	55.72 2.84 0.00	56.66 3.14 0.00	59.75 3.63 0.00	53.00 3.71 0.00	50.67 3.76 0.00	51.41 3.51 0.00	54.06 3.01 0.00	48.24 2.56 0.00	47.01 2.60 0.00	46.74 2.54 0.00

WARRENSBURG____ 23737	41.25 1.35 0.00	37.09 1.28 0.00	29.91 1.11 0.00	30.11 1.14 0.00	30.94 1.22 0.00	38.95 1.51 0.00	47.85 1.79 0.00	48.07 1.67 0.00	48.47 1.52 0.00	48.43 1.15 0.00	44.32 0.70 0.00	46.81 0.80 0.00	49.20 0.88 0.00	70.94 2.16 0.00	54.36 1.48 0.00	55.35 1.83 0.00	58.28 2.16 0.00	51.82 2.53 0.00	49.41 2.51 0.00	50.35 2.45 0.00	53.40 2.35 0.00	47.83 2.14 0.00	46.45 2.04 0.00	46.22 2.01 0.00
WATERSIDE____6 8 9 23538	41.35 1.44 0.00	37.06 1.25 0.00	29.73 0.94 0.00	29.88 0.90 0.00	30.63 0.91 0.00	38.60 1.16 0.00	47.57 1.50 0.00	48.21 1.82 0.00	49.07 2.12 0.00	49.67 2.39 0.00	85.51 2.57 -39.33	56.73 2.71 -8.01	51.27 2.95 0.00	72.60 3.82 0.00	56.07 3.20 0.00	57.01 3.49 0.00	60.11 4.00 0.00	53.30 4.01 0.00	51.03 4.12 0.00	51.61 3.70 0.00	54.15 3.10 0.00	48.47 2.79 0.00	47.40 2.99 0.00	47.23 3.03 0.00
WATKINRD_115KV_LN8_ILLION 55919	40.36 0.45 0.00	36.22 0.41 0.00	29.14 0.34 0.00	29.32 0.34 0.00	30.07 0.35 0.00	37.92 0.49 0.00	46.71 0.64 0.00	46.99 0.59 0.00	47.48 0.53 0.00	47.51 0.23 0.00	43.36 -0.25 0.00	45.98 -0.03 0.00	48.45 0.14 0.00	69.55 0.77 0.00	53.46 0.58 0.00	54.37 0.85 0.00	56.91 0.80 0.00	50.29 1.00 0.00	47.93 1.03 0.00	48.99 1.09 0.00	51.97 0.92 0.00	46.47 0.79 0.00	45.12 0.71 0.00	44.85 0.65 0.00
WDELAWARE____HYD 323627	40.45 0.54 0.00	36.25 0.44 0.00	29.09 0.29 0.00	29.24 0.26 0.00	30.00 0.27 0.00	37.81 0.37 0.00	46.64 0.58 0.00	47.20 0.81 0.00	47.99 1.04 0.00	48.54 1.26 0.00	30.86 1.29 14.05	44.44 1.37 2.93	49.99 1.67 0.00	71.31 2.53 0.00	54.93 2.05 0.00	55.87 2.35 0.00	58.95 2.83 0.00	52.27 2.99 0.00	49.97 3.06 0.00	50.75 2.85 0.00	53.40 2.34 0.00	47.62 1.94 0.00	46.35 1.94 0.00	46.05 1.85 0.00
WEST BABYLON____IC 23714	42.01 2.10 0.00	37.73 1.92 0.00	30.35 1.55 0.00	30.60 1.63 0.00	31.41 1.68 0.00	39.35 1.91 0.00	48.22 2.15 0.00	48.84 2.44 0.00	49.83 2.88 0.00	50.17 2.90 0.00	85.84 3.24 -38.99	57.48 3.53 -7.94	52.39 4.07 0.00	73.63 4.85 0.00	56.91 4.03 0.00	57.77 4.24 0.00	60.88 4.76 0.00	54.11 4.82 0.00	51.57 4.66 0.00	52.38 4.48 0.00	54.81 3.76 0.00	49.19 3.51 0.00	48.04 3.62 0.00	47.83 3.63 0.00
WEST CANADA____HYD 24049	40.00 0.09 0.00	35.90 0.08 0.00	28.86 0.06 0.00	29.04 0.06 0.00	29.78 0.06 0.00	37.51 0.08 0.00	46.17 0.10 0.00	46.49 0.09 0.00	47.05 0.09 0.00	47.33 0.05 0.00	43.62 0.00 0.00	46.04 0.04 0.00	48.38 0.07 0.00	69.00 0.23 0.00	53.04 0.16 0.00	53.72 0.19 0.00	56.29 0.18 0.00	49.59 0.30 0.00	47.23 0.33 0.00	48.19 0.28 0.00	51.23 0.18 0.00	45.86 0.17 0.00	44.57 0.16 0.00	44.35 0.14 0.00
WESTERN_NY_WIND 24143	39.10 -0.81 0.00	35.02 -0.80 0.00	28.16 -0.63 0.00	28.40 -0.58 0.00	29.22 -0.51 0.00	36.89 -0.55 0.00	45.90 -0.17 0.00	46.43 0.03 0.00	47.00 0.05 0.00	47.56 0.28 0.00	44.16 0.54 0.00	46.34 0.33 0.00	48.30 -0.01 0.00	68.36 -0.41 0.00	52.44 -0.43 0.00	48.25 -0.88 4.39	51.79 -0.86 3.47	41.29 -0.27 7.73	42.72 -0.13 4.05	42.84 -0.14 4.92	41.74 -0.82 8.49	37.30 -0.89 7.49	38.89 -0.79 4.73	42.77 -1.43 0.00
WESTOVER____LESR 323668	39.61 -0.30 0.00	35.62 -0.19 0.00	28.56 -0.24 0.00	28.76 -0.22 0.00	29.56 -0.17 0.00	37.27 -0.17 0.00	45.94 -0.13 0.00	46.26 -0.14 0.00	46.80 -0.15 0.00	47.15 -0.13 0.00	43.67 0.05 0.00	46.08 0.07 0.00	48.49 0.17 0.00	69.21 0.43 0.00	53.27 0.39 0.00	54.89 0.26 -1.10	57.28 0.29 -0.87	51.88 0.64 -1.95	48.75 0.83 -1.02	49.92 0.77 -1.24	53.47 0.28 -2.14	47.62 0.04 -1.89	45.65 0.05 -1.19	44.12 -0.08 0.00
WETHRSFD_WT_PWR 323626	37.76 -2.15 0.00	33.80 -2.01 0.00	27.08 -1.71 0.00	27.28 -1.70 0.00	28.05 -1.67 0.00	35.41 -2.03 0.00	44.05 -2.02 0.00	44.59 -1.80 0.00	45.10 -1.85 0.00	45.72 -1.56 0.00	42.32 -1.30 0.00	44.69 -1.31 0.00	46.71 -1.60 0.00	66.20 -2.58 0.00	50.78 -2.10 0.00	22.71 -2.74 28.07	30.94 -3.00 22.17	-2.34 -2.12 49.51	19.26 -1.73 25.92	14.55 -1.82 31.53	-6.14 -2.84 54.35	-4.90 -2.67 47.92	11.48 -2.65 30.29	41.12 -3.07 0.01
WHAVSTOR_138KV_BK127 55557	40.97 1.07 0.00	36.75 0.94 0.00	29.47 0.67 0.00	29.63 0.65 0.00	30.39 0.67 0.00	38.28 0.84 0.00	47.19 1.13 0.00	47.78 1.38 0.00	48.54 1.59 0.00	49.07 1.79 0.00	94.38 1.91 -48.85	58.05 2.09 -9.95	50.73 2.42 0.00	72.13 3.35 0.00	55.66 2.78 0.00	56.61 3.08 0.00	59.73 3.61 0.00	52.97 3.68 0.00	50.66 3.75 0.00	51.32 3.42 0.00	53.89 2.84 0.00	48.10 2.41 0.00	46.92 2.50 0.00	46.69 2.48 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	40.97 1.07 0.00	36.75 0.94 0.00	29.47 0.67 0.00	29.63 0.65 0.00	30.39 0.67 0.00	38.28 0.84 0.00	47.19 1.13 0.00	47.78 1.38 0.00	48.54 1.59 0.00	49.07 1.79 0.00	94.38 1.91 -48.85	58.05 2.09 -9.95	50.73 2.42 0.00	72.13 3.35 0.00	55.66 2.78 0.00	56.61 3.08 0.00	59.73 3.61 0.00	52.97 3.68 0.00	50.66 3.75 0.00	51.32 3.42 0.00	53.89 2.84 0.00	48.10 2.41 0.00	46.92 2.50 0.00	46.69 2.48 0.00
WHITEHAL_115KV_TB1 80871	42.31 2.41 0.00	38.16 2.34 0.00	30.93 2.13 0.00	31.24 2.26 0.00	32.18 2.45 0.00	40.31 2.88 0.00	49.07 3.00 0.00	49.32 2.92 0.00	49.51 2.55 0.00	49.11 1.83 0.00	44.96 1.34 0.00	47.43 1.43 0.00	49.78 1.46 0.00	72.59 3.81 0.00	55.41 2.53 0.00	56.87 3.35 0.00	60.47 4.35 0.00	54.25 4.96 0.00	51.68 4.77 0.00	52.50 4.60 0.00	55.34 4.29 0.00	49.55 3.87 0.00	47.99 3.58 0.00	47.85 3.64 0.00
WHITEPLN_13_KV_LOAD 356215	41.61 1.70 0.00	37.31 1.50 0.00	29.91 1.11 0.00	30.05 1.08 0.00	30.83 1.11 0.00	38.84 1.41 0.00	47.91 1.84 0.00	48.58 2.18 0.00	49.43 2.48 0.00	50.02 2.74 0.00	88.47 2.84 -42.01	57.63 3.07 -8.56	51.74 3.42 0.00	73.50 4.73 0.00	56.70 3.82 0.00	57.69 4.16 0.00	60.83 4.71 0.00	53.94 4.65 0.00	51.57 4.67 0.00	52.26 4.35 0.00	54.81 3.76 0.00	48.92 3.24 0.00	47.74 3.33 0.00	47.49 3.29 0.00
WM_FLOYD_69_KV_BK2 356380	41.62 1.72 0.00	37.50 1.68 0.00	30.30 1.51 0.00	30.69 1.72 0.00	31.50 1.77 0.00	39.31 1.87 0.00	47.78 1.72 0.00	48.34 1.94 0.00	49.28 2.33 0.00	49.50 2.22 0.00	85.21 2.60 -38.99	56.75 2.80 -7.94	51.64 3.32 0.00	72.36 3.58 0.00	55.85 2.97 0.00	56.62 3.10 0.00	59.73 3.61 0.00	53.15 3.86 0.00	50.65 3.74 0.00	51.40 3.49 0.00	53.71 2.66 0.00	48.33 2.65 0.00	47.34 2.93 0.00	47.05 2.84 0.00
WOODARD__115KV_TB2 355635	39.44 -0.47 0.00	35.38 -0.43 0.00	28.42 -0.37 0.00	28.60 -0.38 0.00	29.35 -0.37 0.00	37.00 -0.44 0.00	45.58 -0.49 0.00	45.85 -0.54 0.00	46.37 -0.58 0.00	46.71 -0.57 0.00	43.20 -0.42 0.00	45.59 -0.42 0.00	47.91 -0.41 0.00	68.19 -0.59 0.00	52.41 -0.46 0.00	53.05 -0.47 0.00	55.67 -0.44 0.00	49.07 -0.22 0.00	46.81 -0.10 0.00	47.75 -0.15 0.00	50.57 -0.48 0.00	45.19 -0.49 0.00	43.90 -0.51 0.00	43.57 -0.63 0.00

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