

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

10/29/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	51.18	40.63	42.88	45.69	44.83	49.40	58.02	66.51	46.79	49.67	51.54	50.88	54.02	53.05	48.43	52.79	56.30	57.52	75.12	73.67	56.28	49.21	46.81	49.54
24138	3.04	2.21	2.14	2.05	2.09	2.36	2.47	3.16	2.57	3.24	4.02	4.22	4.29	4.20	3.85	3.79	3.58	3.24	4.32	3.93	2.91	2.56	2.52	2.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	51.27	40.67	42.92	45.73	44.87	49.44	58.08	66.64	46.88	49.72	51.53	50.86	54.02	53.06	48.42	52.76	56.31	57.57	75.21	73.75	56.37	49.25	46.81	49.50
24260	3.13	2.25	2.17	2.09	2.14	2.41	2.53	3.28	2.65	3.29	4.01	4.20	4.29	4.21	3.84	3.76	3.59	3.29	4.40	4.01	3.00	2.60	2.51	2.55
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	51.27	40.67	42.92	45.73	44.87	49.44	58.08	66.64	46.88	49.72	51.53	50.86	54.02	53.06	48.42	52.76	56.31	57.57	75.21	73.75	56.37	49.25	46.81	49.50
24261	3.13	2.25	2.17	2.09	2.14	2.41	2.53	3.28	2.65	3.29	4.01	4.20	4.29	4.21	3.84	3.76	3.59	3.29	4.40	4.01	3.00	2.60	2.51	2.55
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	50.12	39.93	42.38	45.22	44.20	48.51	57.07	64.81	45.49	47.56	48.44	47.44	50.53	49.74	45.46	50.52	54.55	56.18	72.92	72.09	55.27	48.36	45.79	48.56
24011	1.98	1.52	1.63	1.59	1.47	1.47	1.52	1.45	1.27	1.13	0.93	0.77	0.79	0.89	0.88	1.52	1.83	1.90	2.11	2.35	1.90	1.71	1.49	1.61
	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	50.35	40.07	42.50	45.35	44.27	48.60	57.17	64.90	45.68	47.74	48.49	47.42	50.50	49.66	45.36	50.63	54.77	56.38	72.99	72.32	55.46	48.54	45.89	48.70
23798	2.21	1.66	1.75	1.71	1.54	1.57	1.61	1.54	1.46	1.31	0.97	0.76	0.76	0.82	0.78	1.63	2.05	2.10	2.18	2.58	2.08	1.89	1.59	1.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	50.12	39.93	42.38	45.22	44.20	48.51	57.07	64.81	45.49	47.56</														

ALBANY___2 23572	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.37 -0.26 0.00	42.51 -0.22 0.00	46.57 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.03 0.00	43.74 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.15 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.52 -0.06 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.19 -0.62 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
ALBANY___3 23573	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.37 -0.26 0.00	42.51 -0.22 0.00	46.57 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.03 0.00	43.74 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.15 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.52 -0.06 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.19 -0.62 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
ALBANY___4 23574	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.37 -0.26 0.00	42.51 -0.22 0.00	46.57 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.03 0.00	43.74 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.15 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.52 -0.06 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.19 -0.62 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
ALBANY___LFGE 323615	48.47 0.33 0.00	38.74 0.33 0.00	41.17 0.42 0.00	43.86 0.22 0.00	42.98 0.25 0.00	47.13 0.10 0.00	55.47 -0.08 0.00	63.09 -0.27 0.00	44.25 0.03 0.00	46.64 0.21 0.00	47.90 0.39 0.00	47.02 0.36 0.00	50.11 0.38 0.00	49.25 0.40 0.00	45.03 0.44 0.00	49.53 0.53 0.00	53.31 0.59 0.00	54.70 0.42 0.00	71.06 0.25 0.00	69.95 0.21 0.00	53.68 0.31 0.00	46.96 0.31 0.00	44.44 0.14 0.00	47.07 0.12 0.00
ALCOA_PA_115KV_PL-6C 55860	49.20 1.06 0.00	39.21 0.80 0.00	41.64 0.89 0.00	44.68 1.05 0.00	43.74 1.01 0.00	48.25 1.22 0.00	57.18 1.63 0.00	65.18 1.82 0.00	45.34 1.12 0.00	47.63 1.20 0.00	48.70 1.18 0.00	47.71 1.05 0.00	50.96 1.23 0.00	49.99 1.14 0.00	45.53 0.94 0.00	49.98 0.98 0.00	53.82 1.10 0.00	55.62 1.34 0.00	72.96 2.15 0.00	71.88 2.14 0.00	55.01 1.63 0.00	48.08 1.43 0.00	45.75 1.45 0.00	48.36 1.42 0.00
ALCOA_RYNLDS___DRP 24188	49.20 1.06 0.00	39.21 0.80 0.00	41.64 0.89 0.00	44.68 1.05 0.00	43.74 1.01 0.00	48.25 1.22 0.00	57.18 1.63 0.00	65.18 1.82 0.00	45.34 1.12 0.00	47.63 1.20 0.00	48.70 1.18 0.00	47.71 1.05 0.00	50.96 1.23 0.00	49.99 1.14 0.00	45.53 0.94 0.00	49.98 0.98 0.00	53.82 1.10 0.00	55.62 1.34 0.00	72.96 2.15 0.00	71.88 2.14 0.00	55.01 1.63 0.00	48.08 1.43 0.00	45.75 1.45 0.00	48.36 1.42 0.00
ALCOA___DSASP 323711	49.20 1.06 0.00	39.21 0.80 0.00	41.64 0.89 0.00	44.68 1.04 0.00	43.74 1.01 0.00	48.25 1.22 0.00	57.18 1.63 0.00	65.18 1.82 0.00	45.34 1.12 0.00	47.62 1.20 0.00	48.70 1.18 0.00	47.72 1.06 0.00	50.96 1.23 0.00	49.99 1.14 0.00	45.53 0.94 0.00	49.98 0.98 0.00	53.82 1.10 0.00	55.62 1.34 0.00	72.96 2.16 0.00	71.88 2.14 0.00	55.01 1.63 0.00	48.07 1.42 0.00	45.75 1.45 0.00	48.35 1.42 0.00
ALLEGHENY___COGEN 23514	48.78 0.57 -0.07	39.03 0.33 -0.28	39.63 0.13 1.26	44.67 0.79 -0.25	43.81 0.81 -0.27	49.23 1.90 -0.29	58.43 2.23 -0.65	68.12 4.18 -0.58	47.09 0.98 -1.88	44.30 -3.47 -1.34	43.13 -5.10 -0.71	41.91 -4.94 -0.19	45.56 -4.18 0.00	48.60 -0.69 -0.44	44.88 -0.71 -1.01	49.96 -0.45 -1.40	51.66 -1.47 -0.41	54.31 -0.29 -0.32	71.57 0.45 -0.31	70.73 0.65 -0.33	47.21 0.10 6.27	46.10 0.14 0.69	44.91 0.33 -0.29	48.25 1.14 -0.17
ALTAMONT_115KV_TB 2 55880	48.68 0.55 0.00	38.87 0.46 0.00	41.26 0.51 0.00	44.04 0.40 0.00	43.14 0.41 0.00	47.29 0.26 0.00	55.64 0.08 0.00	63.41 0.05 0.00	44.44 0.21 0.00	46.80 0.37 0.00	48.11 0.60 0.00	47.27 0.61 0.00	50.30 0.57 0.00	49.43 0.58 0.00	45.15 0.57 0.00	49.59 0.58 0.00	53.30 0.58 0.00	54.68 0.40 0.00	71.16 0.36 0.00	70.06 0.31 0.00	53.75 0.37 0.00	47.01 0.36 0.00	44.57 0.27 0.00	47.23 0.28 0.00
ALTONA_WT_PWR 323606	48.53 0.39 0.00	38.73 0.31 0.00	41.29 0.53 0.00	44.31 0.67 0.00	43.33 0.60 0.00	47.83 0.80 0.00	56.69 1.13 0.00	64.52 1.16 0.00	45.02 0.79 0.00	47.24 0.81 0.00	48.44 0.93 0.00	47.38 0.72 0.00	50.67 0.93 0.00	49.74 0.88 0.00	45.55 0.96 0.00	49.88 0.88 0.00	53.59 0.87 0.00	55.23 0.95 0.00	72.35 1.54 0.00	71.28 1.54 0.00	54.56 1.19 0.00	47.65 0.99 0.00	45.42 1.12 0.00	48.18 1.24 0.00
AMERICAN_REF_FUEL 24010	45.39 -2.56 0.18	35.61 -2.10 0.71	36.64 -2.55 1.56	41.08 -1.92 0.63	39.90 -2.13 0.70	44.76 -1.54 0.74	50.70 -3.21 1.64	58.90 -3.93 0.53	39.58 -2.95 1.70	41.65 -3.57 1.21	42.65 -4.22 0.64	42.40 -4.09 0.17	46.37 -3.37 0.00	44.44 -3.46 0.95	39.90 -3.76 0.93	43.79 -3.69 1.52	46.80 -4.86 1.06	47.59 -5.78 0.91	62.05 -7.68 1.07	61.34 -7.26 1.14	42.34 -5.98 5.06	40.67 -4.86 1.12	39.47 -3.85 0.98	44.15 -2.22 0.57
ARKWRIGHT___SUMMIT_WT_PWR 323751	45.85 -2.02 0.27	35.42 -1.97 1.02	36.39 -2.40 1.97	41.28 -1.43 0.92	40.19 -1.53 1.01	45.53 -0.44 1.07	51.69 -1.49 2.38	61.75 -0.85 0.76	41.01 -0.76 2.45	43.75 -0.93 1.74	45.05 -1.54 0.93	44.85 -1.56 0.25	48.62 -1.11 0.00	46.19 -1.29 1.38	41.50 -1.75 1.34	45.31 -1.49 2.20	48.69 -2.49 1.53	49.86 -3.13 1.29	64.80 -4.55 1.45	63.73 -4.46 1.55	43.45 -3.75 6.18	42.12 -3.09 1.44	40.45 -2.52 1.33	44.75 -1.42 0.78
ARTHUR KILL_GT_1 23520	51.00 2.86 0.00	41.12 2.70 -0.01	43.38 2.62 -0.01	46.19 2.55 -0.01	45.34 2.61 -0.01	49.94 2.90 0.00	58.58 3.02 0.00	66.81 3.45 0.00	46.98 2.75 0.00	49.72 3.29 0.00	51.39 3.88 0.00	50.66 4.00 0.00	53.86 4.13 0.00	52.84 3.99 0.00	48.22 3.64 0.00	52.49 3.49 0.00	55.98 3.26 0.00	57.47 3.19 0.00	75.02 4.22 0.00	73.61 3.87 0.00	56.31 2.93 0.00	49.19 2.54 0.00	46.64 2.35 0.00	49.43 2.49 0.00
ARTHUR_KILL_2 23512	50.87 2.73 0.00	41.01 2.59 -0.01	43.25 2.50 -0.01	46.07 2.43 -0.01	45.22 2.48 -0.01	49.79 2.76 0.00	58.40 2.84 0.00	66.60 3.24 0.00	46.84 2.61 0.00	49.59 3.16 0.00	51.26 3.74 0.00	50.54 3.87 0.00	53.72 3.99 0.00	52.71 3.85 0.00	48.09 3.51 0.00	52.34 3.34 0.00	55.81 3.08 0.00	57.31 3.02 0.00	74.80 3.99 0.00	73.39 3.65 0.00	56.13 2.76 0.00	49.05 2.40 0.00	46.50 2.20 0.00	49.30 2.36 0.00
ARTHUR_KILL_3 23513	50.87 2.73 0.00	40.26 1.84 0.00	42.49 1.74 0.00	45.25 1.62 0.00	44.42 1.69 0.00	48.95 1.91 0.00	57.49 1.94 0.00	66.01 2.66 0.00	46.41 2.19 0.00	49.23 2.80 0.00	51.04 3.52 0.00	50.38 3.72 0.00	53.52 3.78 0.00	52.55 3.70 0.00	47.95 3.37 0.00	52.26 3.25 0.00	55.75 3.04 0.00	57.01 2.73 0.00	74.49 3.69 0.00	73.10 3.36 0.00	55.85 2.48 0.00	48.80 2.15 0.00	46.39 2.10 0.00	49.10 2.16 0.00

ARTHUR_KILL_COGEN 323718	51.00 2.86 0.00	41.11 2.69 -0.01	43.38 2.62 -0.01	46.18 2.55 -0.01	45.34 2.60 -0.01	49.94 2.90 0.00	58.56 3.01 0.00	66.80 3.44 0.00	46.97 2.74 0.00	49.72 3.29 0.00	51.38 3.86 0.00	50.66 4.00 0.00	53.86 4.13 0.00	52.84 3.99 0.00	48.21 3.63 0.00	52.49 3.48 0.00	55.96 3.24 0.00	57.47 3.19 0.00	75.01 4.21 0.00	73.60 3.86 0.00	56.29 2.92 0.00	49.18 2.53 0.00	46.63 2.33 0.00	49.42 2.48 0.00
ASHOKAN____ 23654	49.62 1.49 0.00	39.60 1.18 0.00	41.97 1.22 0.00	44.78 1.15 0.00	43.88 1.15 0.00	48.19 1.16 0.00	56.87 1.32 0.00	65.15 1.80 0.00	45.73 1.50 0.00	48.15 1.72 0.00	49.48 1.97 0.00	48.51 1.85 0.00	51.56 1.82 0.00	50.51 1.66 0.00	46.26 1.67 0.00	50.84 1.84 0.00	54.60 1.88 0.00	56.16 1.88 0.00	73.30 2.49 0.00	72.05 2.31 0.00	55.20 1.82 0.00	48.16 1.51 0.00	45.56 1.27 0.00	48.08 1.14 0.00
ASTORIA_EAST_ENERGY_CC1 323581	50.74 2.60 0.00	40.28 1.86 0.00	42.51 1.76 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.36 1.81 0.01	65.93 2.57 0.00	46.47 2.25 0.00	49.36 2.93 0.00	51.03 3.52 0.00	50.29 3.62 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.40 0.00	52.20 3.20 0.00	55.69 2.97 0.00	57.06 2.78 0.00	74.45 3.64 0.00	73.05 3.31 0.00	55.90 2.53 0.00	48.90 2.25 0.00	46.43 2.13 0.00	49.17 2.23 0.00
ASTORIA_EAST_ENERGY_CC2 323582	50.73 2.59 0.00	40.27 1.85 0.00	42.50 1.75 0.00	45.24 1.61 0.00	44.41 1.68 0.00	48.89 1.86 0.00	57.36 1.80 0.01	65.89 2.54 0.00	46.44 2.22 0.00	49.34 2.90 0.00	51.00 3.49 0.00	50.27 3.60 0.00	53.41 3.67 0.00	52.57 3.72 0.00	47.96 3.37 0.00	52.17 3.17 0.00	55.66 2.94 0.00	57.04 2.76 0.00	74.41 3.60 0.00	73.01 3.27 0.00	55.87 2.50 0.00	48.87 2.22 0.00	46.40 2.10 0.00	49.14 2.20 0.00
ASTORIA_GT2_1 24094	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT2_2 24095	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT2_3 24096	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT2_4 24097	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT3_1 24098	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT3_2 24099	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT3_3 24100	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT3_4 24101	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT4_1 24102	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT4_2 24103	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT4_3 24104	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00

ASTORIA_GT4_4 24105	50.75 2.61 0.00	40.29 1.87 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.29 3.63 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
ASTORIA_GT_1 23523	50.83 2.70 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.48 1.93 0.00	66.07 2.71 0.00	46.57 2.35 0.00	49.47 3.04 0.00	51.14 3.62 0.00	50.39 3.73 0.00	53.53 3.80 0.00	52.72 3.86 0.00	48.09 3.50 0.00	52.32 3.32 0.00	55.81 3.09 0.00	57.19 2.91 0.00	74.61 3.81 0.00	73.20 3.46 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.53 2.23 0.00	49.26 2.32 0.00
ASTORIA_GT_10 24110	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.44 1.89 0.00	65.83 2.47 0.00	46.35 2.13 0.00	49.25 2.82 0.00	51.01 3.50 0.00	50.31 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.33 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.88 2.60 0.00	74.26 3.46 0.00	72.86 3.11 0.00	55.75 2.38 0.00	48.80 2.15 0.00	46.33 2.04 0.00	49.10 2.15 0.00
ASTORIA_GT_11 24225	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.44 1.89 0.00	65.83 2.47 0.00	46.35 2.13 0.00	49.25 2.82 0.00	51.01 3.50 0.00	50.31 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.33 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.88 2.60 0.00	74.26 3.46 0.00	72.86 3.11 0.00	55.75 2.38 0.00	48.80 2.15 0.00	46.33 2.04 0.00	49.10 2.15 0.00
ASTORIA_GT_12 24226	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.44 1.89 0.00	65.83 2.47 0.00	46.35 2.13 0.00	49.25 2.82 0.00	51.01 3.50 0.00	50.31 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.33 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.88 2.60 0.00	74.26 3.46 0.00	72.86 3.11 0.00	55.75 2.38 0.00	48.80 2.15 0.00	46.33 2.04 0.00	49.10 2.15 0.00
ASTORIA_GT_13 24227	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.44 1.89 0.00	65.83 2.47 0.00	46.35 2.13 0.00	49.25 2.82 0.00	51.01 3.50 0.00	50.31 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.33 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.88 2.60 0.00	74.26 3.46 0.00	72.86 3.11 0.00	55.75 2.38 0.00	48.80 2.15 0.00	46.33 2.04 0.00	49.10 2.15 0.00
ASTORIA_GT_5 24106	50.83 2.70 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.48 1.93 0.00	66.07 2.71 0.00	46.57 2.35 0.00	49.47 3.04 0.00	51.14 3.62 0.00	50.39 3.73 0.00	53.53 3.80 0.00	52.72 3.86 0.00	48.09 3.50 0.00	52.32 3.32 0.00	55.81 3.09 0.00	57.19 2.91 0.00	74.61 3.81 0.00	73.20 3.46 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.53 2.23 0.00	49.26 2.32 0.00
ASTORIA_GT_7 24107	50.83 2.70 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.48 1.93 0.00	66.07 2.71 0.00	46.57 2.35 0.00	49.47 3.04 0.00	51.14 3.62 0.00	50.39 3.73 0.00	53.53 3.80 0.00	52.72 3.86 0.00	48.09 3.50 0.00	52.32 3.32 0.00	55.81 3.09 0.00	57.19 2.91 0.00	74.61 3.81 0.00	73.20 3.46 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.53 2.23 0.00	49.26 2.32 0.00
ASTORIA_GT_8 24108	50.83 2.70 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.48 1.93 0.00	66.07 2.71 0.00	46.57 2.35 0.00	49.47 3.04 0.00	51.14 3.62 0.00	50.39 3.73 0.00	53.53 3.80 0.00	52.72 3.86 0.00	48.09 3.50 0.00	52.32 3.32 0.00	55.81 3.09 0.00	57.19 2.91 0.00	74.61 3.81 0.00	73.20 3.46 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.53 2.23 0.00	49.26 2.32 0.00
ASTORIA___2 24149	50.74 2.60 0.00	40.28 1.86 0.00	42.51 1.76 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.36 1.81 0.01	65.93 2.57 0.00	46.47 2.25 0.00	49.36 2.93 0.00	51.03 3.52 0.00	50.29 3.62 0.00	53.43 3.70 0.00	52.59 3.74 0.00	47.99 3.40 0.00	52.20 3.20 0.00	55.69 2.97 0.00	57.06 2.78 0.00	74.45 3.64 0.00	73.05 3.31 0.00	55.90 2.53 0.00	48.90 2.25 0.00	46.43 2.13 0.00	49.17 2.23 0.00
ASTORIA___3 23516	50.79 2.65 0.00	40.34 1.93 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.43 1.88 0.00	65.82 2.47 0.00	46.34 2.12 0.00	49.24 2.82 0.00	51.01 3.50 0.00	50.30 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.32 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.87 2.59 0.00	74.25 3.45 0.00	72.86 3.12 0.00	55.73 2.36 0.00	48.79 2.14 0.00	46.33 2.04 0.00	49.09 2.15 0.00
ASTORIA___4 23517	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.44 1.89 0.00	65.83 2.47 0.00	46.35 2.13 0.00	49.25 2.82 0.00	51.01 3.50 0.00	50.31 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.33 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.88 2.60 0.00	74.26 3.46 0.00	72.86 3.11 0.00	55.75 2.38 0.00	48.80 2.15 0.00	46.33 2.04 0.00	49.10 2.15 0.00
ASTORIA___5 23518	50.78 2.65 0.00	40.34 1.93 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.43 1.88 0.00	65.82 2.47 0.00	46.34 2.11 0.00	49.24 2.82 0.00	51.01 3.49 0.00	50.30 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.90 3.32 0.00	52.13 3.13 0.00	55.55 2.83 0.00	56.87 2.59 0.00	74.24 3.44 0.00	72.86 3.12 0.00	55.73 2.36 0.00	48.79 2.14 0.00	46.33 2.03 0.00	49.09 2.15 0.00
AST_ENERGY_2_CC3 323677	50.74 2.60 0.00	40.27 1.85 0.00	42.51 1.76 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.36 1.81 0.01	65.93 2.57 0.00	46.47 2.25 0.00	49.36 2.93 0.00	51.03 3.52 0.00	50.28 3.61 0.00	53.41 3.67 0.00	52.59 3.74 0.00	47.99 3.40 0.00	52.20 3.20 0.00	55.69 2.97 0.00	57.06 2.78 0.00	74.45 3.64 0.00	73.05 3.31 0.00	55.90 2.53 0.00	48.90 2.25 0.00	46.43 2.13 0.00	49.17 2.23 0.00
AST_ENERGY_2_CC4 323678	50.74 2.60 0.00	40.27 1.85 0.00	42.51 1.76 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.36 1.81 0.01	65.93 2.57 0.00	46.47 2.25 0.00	49.36 2.93 0.00	51.03 3.52 0.00	50.28 3.61 0.00	53.41 3.67 0.00	52.59 3.74 0.00	47.99 3.40 0.00	52.20 3.20 0.00	55.69 2.97 0.00	57.06 2.78 0.00	74.45 3.64 0.00	73.05 3.31 0.00	55.90 2.53 0.00	48.90 2.25 0.00	46.43 2.13 0.00	49.17 2.23 0.00

ATHENS_STG_1 23668	49.41 1.27 0.00	39.38 0.96 0.00	41.74 0.99 0.00	44.54 0.90 0.00	43.62 0.89 0.00	47.80 0.77 0.00	56.19 0.64 0.00	64.16 0.80 0.00	45.00 0.77 0.00	47.48 1.06 0.00	48.91 1.40 0.00	48.13 1.47 0.00	51.20 1.47 0.00	50.31 1.46 0.00	45.91 1.33 0.00	50.30 1.30 0.00	53.94 1.22 0.00	55.29 1.01 0.00	72.01 1.21 0.00	70.85 1.11 0.00	54.33 0.95 0.00	47.48 0.83 0.00	45.08 0.78 0.00	47.76 0.82 0.00
ATHENS_STG_2 23670	49.41 1.27 0.00	39.38 0.96 0.00	41.74 0.99 0.00	44.54 0.90 0.00	43.62 0.89 0.00	47.80 0.77 0.00	56.19 0.64 0.00	64.16 0.80 0.00	45.00 0.77 0.00	47.48 1.06 0.00	48.91 1.40 0.00	48.13 1.47 0.00	51.20 1.47 0.00	50.31 1.46 0.00	45.91 1.33 0.00	50.30 1.30 0.00	53.94 1.22 0.00	55.29 1.01 0.00	72.01 1.21 0.00	70.85 1.11 0.00	54.33 0.95 0.00	47.48 0.83 0.00	45.08 0.78 0.00	47.76 0.82 0.00
ATHENS_STG_3 23677	49.41 1.27 0.00	39.38 0.96 0.00	41.74 0.99 0.00	44.54 0.90 0.00	43.62 0.89 0.00	47.80 0.77 0.00	56.19 0.64 0.00	64.16 0.80 0.00	45.00 0.77 0.00	47.48 1.06 0.00	48.91 1.40 0.00	48.13 1.47 0.00	51.20 1.47 0.00	50.31 1.46 0.00	45.91 1.33 0.00	50.30 1.30 0.00	53.94 1.22 0.00	55.29 1.01 0.00	72.01 1.21 0.00	70.85 1.11 0.00	54.33 0.95 0.00	47.48 0.83 0.00	45.08 0.78 0.00	47.76 0.82 0.00
AUBURN____LFGE 323710	48.11 -0.03 0.00	38.40 -0.02 0.00	41.03 -0.10 -0.37	43.63 0.00 0.00	42.74 0.01 0.00	47.31 0.27 0.00	55.94 0.39 0.00	64.23 0.87 0.00	44.63 0.41 0.00	46.37 -0.06 0.00	47.02 -0.49 0.00	46.08 -0.59 -0.01	48.96 -0.77 0.00	48.12 -0.73 0.00	43.87 -0.72 0.00	48.29 -0.71 0.00	52.25 -0.48 0.00	54.15 -0.13 0.00	70.56 -0.24 0.00	69.66 -0.08 0.00	55.10 -0.18 -1.90	46.73 -0.17 -0.25	44.13 -0.16 0.00	46.93 -0.01 0.00
BABYLON_RES_REC 323704	51.21 3.07 0.00	41.09 2.19 -0.50	42.78 2.03 0.00	45.56 1.92 0.00	44.43 1.70 0.00	46.93 1.23 1.34	30.42 0.72 25.85	45.17 1.18 19.36	37.52 1.18 7.89	48.40 1.97 0.00	50.43 2.92 0.00	50.57 3.20 -0.70	53.17 3.11 -0.33	52.58 3.21 -0.51	50.04 2.90 -2.55	50.10 2.26 1.17	48.02 1.80 6.50	55.01 1.66 0.93	73.43 2.63 0.00	71.84 2.09 0.00	55.15 1.77 0.00	48.14 1.49 0.00	46.80 2.24 -0.26	49.25 2.30 0.00
BALL_HILL_WT_PWR 323825	46.12 -1.78 0.24	35.84 -1.65 0.92	36.84 -2.06 1.84	41.50 -1.31 0.83	40.34 -1.48 0.91	45.48 -0.59 0.97	51.68 -1.73 2.15	61.12 -1.55 0.69	40.73 -1.29 2.21	43.25 -1.61 1.57	44.42 -2.26 0.84	44.20 -2.23 0.23	48.03 -1.71 0.00	45.89 -1.72 1.24	41.23 -2.15 1.20	45.03 -2.00 1.98	48.30 -3.04 1.38	49.36 -3.74 1.19	64.40 -5.03 1.38	63.53 -4.74 1.47	43.50 -4.09 5.79	41.92 -3.37 1.36	40.41 -2.63 1.26	44.85 -1.36 0.74
BARON_WINDS____WT_PWR 323822	46.30 -2.06 -0.22	37.44 -1.84 -0.86	37.55 -2.10 1.09	42.98 -1.43 -0.77	41.97 -1.61 -0.85	47.22 -0.72 -0.90	56.15 -1.41 -2.01	63.41 -0.69 -0.74	45.65 -0.96 -2.38	46.50 -1.63 -1.69	46.01 -2.41 -0.90	44.65 -2.26 -0.24	47.87 -1.87 0.00	48.21 -1.82 -1.18	43.61 -2.25 -1.28	48.87 -2.11 -1.98	50.87 -3.14 -1.29	52.36 -3.03 -1.11	68.26 -3.85 -1.31	67.32 -3.82 -1.39	42.66 -3.36 7.36	43.48 -2.77 0.40	43.32 -2.17 -1.19	46.42 -1.22 -0.70
BARRETT_IC_1 23704	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_10 23701	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_11 23702	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_12 23703	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_2 23705	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_3 23706	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_4 23707	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_5 23708	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01

BARRETT_IC_6 23709	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_7 23710	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.07 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.94 1.25 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.02 3.48 -6.88	57.64 3.53 -4.38	57.18 3.54 -4.79	55.19 3.17 -7.44	51.73 2.63 -0.09	55.43 2.18 -0.53	56.16 1.81 -0.07	73.58 2.77 0.00	72.05 2.30 0.00	55.40 2.03 0.00	48.29 1.64 0.00	46.55 2.00 -0.25	49.06 2.11 -0.01
BARRETT_IC_8 23711	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT_IC_9 23700	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT___1 23545	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BARRETT___2 23546	51.03 2.81 -0.08	45.10 1.99 -4.69	42.58 1.83 0.00	45.34 1.71 0.00	44.22 1.49 0.00	47.06 1.32 1.29	27.08 0.79 29.26	41.26 1.32 23.42	35.93 1.24 9.53	48.48 2.05 0.00	50.81 3.24 -0.05	57.04 3.49 -6.88	57.64 3.52 -4.38	57.18 3.54 -4.79	55.19 3.16 -7.44	51.72 2.62 -0.09	55.41 2.17 -0.53	56.16 1.80 -0.07	73.57 2.77 0.00	72.04 2.30 0.00	55.40 2.02 0.00	48.29 1.64 0.00	46.54 1.99 -0.25	49.05 2.10 -0.01
BATAVIA___115KV_TB1 55881	47.55 -0.59 0.00	37.83 -0.58 0.00	39.04 -0.90 0.81	43.34 -0.30 0.00	42.31 -0.42 0.00	47.46 0.42 0.00	55.24 -0.32 0.00	63.09 -0.27 0.00	43.80 -0.42 0.00	45.13 -1.30 0.00	45.32 -2.20 0.00	44.28 -2.38 0.00	47.91 -1.82 0.00	46.94 -1.91 0.00	42.32 -2.26 0.00	46.96 -2.04 0.00	50.14 -2.57 0.00	51.73 -2.55 0.00	67.63 -3.18 0.00	66.92 -2.83 0.00	47.03 -2.61 3.73	44.03 -2.13 0.49	42.73 -1.57 0.00	46.62 -0.32 0.00
BAYONEEC___CTG1 323682	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG10 323750	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG2 323683	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG3 323684	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG4 323685	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG5 323686	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG6 323687	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG7 323688	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00

BAYONEEC___CTG8 323689	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BAYONEEC___CTG9 323749	50.98 2.84 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.20 2.85 0.00	46.55 2.32 0.00	49.37 2.94 0.00	51.19 3.67 0.00	50.53 3.87 0.00	53.67 3.93 0.00	52.70 3.85 0.00	48.10 3.52 0.00	52.41 3.40 0.00	55.92 3.20 0.00	57.18 2.90 0.00	74.70 3.89 0.00	73.28 3.54 0.00	56.02 2.64 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.25 2.31 0.00
BEACON___LESR 323632	48.79 0.66 0.00	38.92 0.51 0.00	41.34 0.59 0.00	44.11 0.48 0.00	43.20 0.47 0.00	47.40 0.36 0.00	56.00 0.45 0.00	63.57 0.21 0.00	44.54 0.31 0.00	46.94 0.52 0.00	48.23 0.71 0.00	47.39 0.73 0.00	50.55 0.81 0.00	49.59 0.73 0.00	45.35 0.77 0.00	49.92 0.92 0.00	53.94 1.23 0.00	55.13 0.85 0.00	71.66 0.86 0.00	70.52 0.78 0.00	54.04 0.66 0.00	47.24 0.59 0.00	44.78 0.49 0.00	47.39 0.45 0.00
BEAVER RIVER___HYD 24048	50.19 2.05 0.00	40.00 1.58 0.00	42.47 1.72 0.00	45.58 1.94 0.00	44.68 1.96 0.00	49.40 2.36 0.00	58.53 2.97 0.00	67.00 3.65 0.00	46.42 2.20 0.00	47.83 1.40 0.00	47.98 0.46 0.00	46.97 0.30 -0.01	50.08 0.34 0.00	49.17 0.32 0.00	44.85 0.27 0.00	49.35 0.34 0.00	53.49 0.77 0.00	56.41 2.13 0.00	74.43 3.63 0.00	73.38 3.64 0.00	55.82 2.44 0.00	48.41 1.76 0.00	45.93 1.64 0.00	48.39 1.45 0.00
BEEBEE_GT_13 23619	47.31 -0.83 0.00	37.70 -0.71 0.00	39.23 -0.94 0.58	43.00 -0.63 0.00	42.06 -0.67 0.00	46.84 -0.20 0.00	55.01 -0.55 0.00	62.80 -0.55 0.00	43.69 -0.54 0.00	45.41 -1.02 0.00	46.02 -1.49 0.00	45.10 -1.56 0.00	48.41 -1.32 0.00	47.61 -1.24 0.00	43.18 -1.41 0.00	47.74 -1.26 0.00	51.19 -1.53 0.00	52.62 -1.67 0.00	68.67 -2.13 0.00	67.80 -1.95 0.00	48.90 -1.85 2.62	44.77 -1.54 0.34	43.09 -1.21 0.00	46.28 -0.66 0.00
BENSHRST_27_KV_BENSHRST_1 355998	51.19 3.05 0.00	40.72 2.31 0.00	42.94 2.19 0.00	45.72 2.08 0.00	44.87 2.14 0.00	49.48 2.45 0.00	58.08 2.53 0.00	66.65 3.29 0.00	46.94 2.72 0.00	49.78 3.35 0.00	51.49 3.97 0.00	50.76 4.10 0.00	53.93 4.20 0.00	52.93 4.08 0.00	48.32 3.73 0.00	52.58 3.58 0.00	56.05 3.34 0.00	57.49 3.21 0.00	75.07 4.27 0.00	73.67 3.93 0.00	56.34 2.96 0.00	49.27 2.62 0.00	46.73 2.43 0.00	49.50 2.56 0.00
BETHLEHEM___GRP 23843	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.37 -0.26 0.00	42.51 -0.22 0.00	46.57 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.03 0.00	43.74 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.15 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.52 -0.06 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.19 -0.62 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
BETHLEHEM___GS1 323560	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.38 -0.26 0.00	42.51 -0.22 0.00	46.58 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.02 0.00	43.73 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.14 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.51 -0.07 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.18 -0.63 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
BETHLEHEM___GS2 323561	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.38 -0.26 0.00	42.51 -0.22 0.00	46.58 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.02 0.00	43.73 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.14 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.51 -0.07 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.18 -0.63 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
BETHLEHEM___GS3 323562	47.95 -0.19 0.00	38.32 -0.09 0.00	40.72 -0.03 0.00	43.38 -0.26 0.00	42.51 -0.22 0.00	46.58 -0.46 0.00	54.80 -0.75 0.00	62.33 -1.02 0.00	43.73 -0.49 0.00	46.09 -0.34 0.00	47.37 -0.14 0.00	46.53 -0.13 0.00	49.55 -0.18 0.00	48.69 -0.16 0.00	44.51 -0.07 0.00	48.93 -0.07 0.00	52.65 -0.07 0.00	54.02 -0.26 0.00	70.18 -0.63 0.00	69.11 -0.63 0.00	53.04 -0.34 0.00	46.40 -0.25 0.00	43.94 -0.36 0.00	46.53 -0.41 0.00
BETHLEHEM___STEEL 23779	46.46 -1.68 0.00	36.96 -1.45 0.00	37.85 -1.86 1.04	42.45 -1.19 0.00	41.36 -1.37 0.00	46.51 -0.52 0.00	53.88 -1.67 0.00	61.66 -1.70 0.00	42.80 -1.42 0.00	44.50 -1.94 0.00	44.88 -2.64 0.00	44.00 -2.66 0.00	47.67 -2.06 0.00	46.90 -1.95 0.00	42.20 -2.39 0.00	46.78 -2.23 0.00	49.48 -3.24 0.00	50.37 -3.92 0.00	65.56 -5.25 0.00	64.87 -4.88 0.00	44.17 -4.27 4.94	42.52 -3.48 0.65	41.66 -2.63 0.00	45.69 -1.25 0.00
BETHLHEM_115KV_TB1 79974	48.13 -0.01 0.00	38.46 0.05 0.00	40.86 0.11 0.00	43.54 -0.09 0.00	42.67 -0.06 0.00	46.76 -0.27 0.00	55.02 -0.53 0.00	62.60 -0.76 0.00	43.91 -0.31 0.00	46.28 -0.15 0.00	47.56 0.04 0.00	46.72 0.06 0.00	49.75 0.02 0.00	48.88 0.03 0.00	44.69 0.11 0.00	49.11 0.10 0.00	52.82 0.10 0.00	54.19 -0.09 0.00	70.43 -0.37 0.00	69.34 -0.40 0.00	53.23 -0.15 0.00	46.55 -0.10 0.00	44.09 -0.20 0.00	46.71 -0.23 0.00
BETHPAGE_CC_5 323564	51.06 2.92 0.00	41.23 2.10 -0.72	42.68 1.93 0.00	45.44 1.80 0.00	44.35 1.62 0.00	47.22 1.43 1.24	32.70 1.08 23.93	47.10 1.68 17.93	38.45 1.54 7.31	48.73 2.31 0.00	50.82 3.30 0.00	51.29 3.59 -1.03	53.84 3.57 -0.54	53.21 3.62 -0.74	50.80 3.27 -2.94	50.64 2.69 1.06	49.11 2.28 5.90	55.50 2.06 0.84	73.90 3.10 0.00	72.34 2.59 0.00	55.51 2.13 0.00	48.38 1.73 0.00	46.74 2.16 -0.28	49.18 2.24 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	46.55 -1.59 0.00	37.03 -1.38 0.00	37.92 -1.78 1.05	42.54 -1.10 0.00	41.44 -1.29 0.00	46.62 -0.42 0.00	54.04 -1.51 0.00	61.87 -1.48 0.00	42.95 -1.28 0.00	44.67 -1.76 0.00	45.06 -2.46 0.00	44.16 -2.50 0.00	47.83 -1.90 0.00	47.07 -1.78 0.00	42.34 -2.24 0.00	46.92 -2.08 0.00	49.65 -3.07 0.00	50.54 -3.74 0.00	65.80 -5.00 0.00	65.09 -4.65 0.00	44.25 -4.11 5.02	42.63 -3.36 0.66	41.78 -2.52 0.00	45.80 -1.14 0.00
BINGHAMTON___COGEN 23790	48.35 0.21 0.00	38.51 0.10 0.00	40.47 -0.01 0.27	43.79 0.16 0.00	42.80 0.07 0.00	47.41 0.37 0.00	55.78 0.23 0.00	63.98 0.62 0.00	44.55 0.33 0.00	46.72 0.30 0.00	47.66 0.14 0.00	46.91 0.24 0.00	50.08 0.35 0.00	49.17 0.31 0.00	44.66 0.08 0.00	49.13 0.13 0.00	52.57 -0.15 0.00	54.14 -0.14 0.00	70.75 -0.05 0.00	69.74 0.00 0.00	51.55 -0.20 1.63	46.20 -0.23 0.21	44.17 -0.13 0.00	47.08 0.13 0.00

BIXINCNT_115KV_LOAD 355685	46.56 -1.58 0.00	37.07 -1.35 0.00	37.99 -1.66 1.10	42.65 -0.99 0.00	41.75 -0.98 0.00	47.19 0.15 0.00	54.97 -0.59 0.00	63.20 -0.15 0.00	43.90 -0.32 0.00	45.72 -0.71 0.00	46.14 -1.37 0.00	45.20 -1.46 0.00	48.78 -0.95 0.00	47.89 -0.96 0.00	43.05 -1.53 0.00	47.66 -1.34 0.00	50.33 -2.39 0.00	51.33 -2.95 0.00	66.76 -4.04 0.00	65.81 -3.93 0.00	44.34 -3.56 5.47	42.90 -3.04 0.72	42.10 -2.20 0.00	46.13 -0.80 0.00
BLACK RIVER___HYD 24047	50.40 2.26 0.00	40.17 1.75 0.00	42.63 1.87 0.00	45.80 2.16 0.00	44.90 2.17 0.00	49.76 2.72 0.00	59.05 3.50 0.00	67.69 4.34 0.00	46.85 2.62 0.00	47.87 1.44 0.00	47.62 0.11 0.00	46.52 -0.17 -0.02	49.57 -0.16 0.00	48.68 -0.17 0.00	44.41 -0.18 0.00	48.85 -0.15 0.00	53.10 0.38 0.00	56.63 2.35 0.00	75.07 4.27 0.00	74.08 4.34 0.00	56.28 2.90 0.00	48.65 2.00 0.00	46.15 1.85 0.00	48.60 1.66 0.00
BLACKRVR_115KV_TB2 79977	50.40 2.26 0.00	40.16 1.75 0.00	42.63 1.87 0.00	45.80 2.16 0.00	44.90 2.17 0.00	49.76 2.72 0.00	59.05 3.50 0.00	67.70 4.34 0.00	46.85 2.62 0.00	47.87 1.44 0.00	47.62 0.11 0.00	46.51 -0.17 -0.02	49.57 -0.16 0.00	48.68 -0.17 0.00	44.40 -0.19 0.00	48.85 -0.15 0.00	53.10 0.38 0.00	56.63 2.35 0.00	75.06 4.26 0.00	74.08 4.33 0.00	56.27 2.90 0.00	48.65 1.99 0.00	46.14 1.85 0.00	48.60 1.66 0.00
BLDWN_LI_69_KV_BK4 356085	51.31 3.15 -0.02	42.52 2.26 -1.84	42.86 2.11 0.00	45.63 2.00 0.00	44.55 1.82 0.00	47.76 1.75 1.02	36.71 1.42 20.26	49.97 2.10 15.48	39.72 1.80 6.31	49.00 2.57 0.00	51.12 3.59 -0.02	53.17 3.83 -2.67	55.24 3.90 -1.60	54.63 3.90 -1.88	52.62 3.52 -4.52	51.43 3.02 0.59	52.05 2.65 3.31	56.11 2.30 0.47	74.28 3.47 0.00	72.74 3.00 0.00	55.94 2.57 0.00	48.74 2.09 0.00	46.99 2.38 -0.31	49.43 2.48 0.00
BLISS_WT_PWR 323608	46.12 -1.73 0.28	35.89 -1.44 1.09	36.95 -1.75 2.05	41.59 -1.07 0.98	40.64 -1.01 1.08	46.08 0.18 1.14	52.53 -0.50 2.53	62.50 -0.05 0.81	41.41 -0.22 2.60	43.94 -0.65 1.85	45.24 -1.29 0.99	44.99 -1.40 0.27	48.84 -0.90 0.00	46.48 -0.91 1.46	41.68 -1.48 1.42	45.38 -1.30 2.33	48.76 -2.34 1.63	49.98 -2.93 1.36	65.21 -4.06 1.53	64.07 -4.04 1.63	43.32 -3.64 6.42	42.03 -3.12 1.51	40.65 -2.25 1.40	45.33 -0.80 0.82
BLUESTONE___WT_PWR 323821	50.20 1.99 -0.07	40.44 1.76 -0.26	43.46 1.81 -0.89	45.94 2.07 -0.24	45.09 2.09 -0.26	49.99 2.68 -0.28	59.33 3.15 -0.62	67.07 3.48 -0.23	46.94 1.99 -0.73	48.84 1.89 -0.52	49.64 1.85 -0.28	48.86 2.12 -0.07	51.99 2.26 0.00	51.36 2.15 -0.36	46.68 1.72 -0.37	51.51 1.97 -0.53	55.39 2.27 -0.40	57.43 2.80 -0.35	75.12 3.91 -0.42	73.84 3.65 -0.44	58.60 1.89 -3.33	48.19 0.92 -0.62	45.50 0.82 -0.38	47.73 0.57 -0.22
BLUE_CIRC_CHEM_DRP 24182	48.78 0.65 0.00	38.99 0.57 0.00	41.43 0.68 0.00	44.19 0.56 0.00	43.30 0.57 0.00	47.47 0.43 0.00	55.84 0.29 0.00	63.51 0.16 0.00	44.48 0.26 0.00	46.80 0.37 0.00	48.04 0.53 0.00	47.17 0.51 0.00	50.26 0.53 0.00	49.35 0.50 0.00	45.12 0.54 0.00	49.63 0.63 0.00	53.40 0.68 0.00	54.80 0.52 0.00	71.28 0.47 0.00	70.20 0.45 0.00	53.88 0.50 0.00	47.13 0.48 0.00	44.68 0.38 0.00	47.35 0.41 0.00
BOC_GAS_DRP 24189	48.64 0.50 0.00	38.84 0.43 0.00	41.24 0.49 0.00	44.00 0.37 0.00	43.11 0.37 0.00	47.25 0.21 0.00	55.58 0.02 0.00	63.32 -0.04 0.00	44.39 0.16 0.00	46.78 0.35 0.00	48.07 0.56 0.00	47.26 0.59 0.00	50.30 0.57 0.00	49.42 0.57 0.00	45.13 0.55 0.00	49.55 0.55 0.00	53.25 0.53 0.00	54.62 0.34 0.00	71.07 0.26 0.00	69.96 0.22 0.00	53.69 0.31 0.00	46.96 0.31 0.00	44.53 0.23 0.00	47.19 0.25 0.00
BOONVILLE_115KV_TB1 79983	49.73 1.59 0.00	39.62 1.21 0.00	42.05 1.30 0.00	45.07 1.44 0.00	44.20 1.47 0.00	48.82 1.79 0.00	57.85 2.30 0.00	66.15 2.79 0.00	45.99 1.76 0.00	47.69 1.26 0.00	48.27 0.75 0.00	47.32 0.66 0.00	50.42 0.68 0.00	49.51 0.66 0.00	45.19 0.61 0.00	49.80 0.80 0.00	53.90 1.18 0.00	56.09 1.81 0.00	73.55 2.74 0.00	72.41 2.67 0.00	55.22 1.84 0.00	48.00 1.35 0.00	45.48 1.19 0.00	48.06 1.12 0.00
BORALEX_4TH_BRANCH 23824	49.34 1.20 0.00	39.45 1.03 0.00	42.04 1.29 0.00	44.72 1.08 0.00	43.74 1.01 0.00	47.83 0.79 0.00	56.15 0.60 0.00	63.37 0.02 0.00	44.55 0.33 0.00	47.16 0.73 0.00	48.34 0.82 0.00	47.45 0.78 0.00	50.52 0.79 0.00	49.67 0.82 0.00	45.24 0.66 0.00	50.08 1.08 0.00	54.08 1.36 0.00	55.47 1.19 0.00	71.63 0.83 0.00	70.79 1.05 0.00	54.56 1.19 0.00	47.87 1.22 0.00	45.23 0.94 0.00	48.05 1.11 0.00
BOWLINE___1 23526	50.52 2.38 0.00	40.07 1.65 0.00	42.32 1.58 0.00	45.10 1.47 0.00	44.28 1.55 0.00	48.76 1.73 0.00	57.26 1.71 0.00	65.66 2.31 0.00	46.14 1.91 0.00	48.86 2.43 0.00	50.60 3.09 0.00	49.94 3.28 0.00	53.07 3.34 0.00	52.10 3.25 0.00	47.52 2.94 0.00	51.81 2.81 0.00	55.33 2.61 0.00	56.64 2.36 0.00	74.01 3.20 0.00	72.63 2.89 0.00	55.49 2.12 0.00	48.46 1.81 0.00	46.06 1.76 0.00	48.83 1.88 0.00
BOWLINE___2 23595	50.51 2.37 0.00	40.06 1.64 0.00	42.32 1.57 0.00	45.09 1.45 0.00	44.27 1.53 0.00	48.76 1.72 0.00	57.25 1.69 0.00	65.64 2.29 0.00	46.12 1.89 0.00	48.85 2.42 0.00	50.59 3.08 0.00	49.92 3.26 0.00	53.05 3.32 0.00	52.10 3.24 0.00	47.50 2.92 0.00	51.80 2.80 0.00	55.32 2.60 0.00	56.61 2.33 0.00	73.98 3.17 0.00	72.61 2.87 0.00	55.49 2.11 0.00	48.45 1.80 0.00	46.05 1.75 0.00	48.81 1.87 0.00
BRADY___115KV_TB2 356060	49.96 1.82 0.00	39.78 1.36 0.00	42.26 1.51 0.00	45.37 1.73 0.00	44.47 1.74 0.00	49.11 2.07 0.00	58.23 2.67 0.00	66.42 3.07 0.00	46.07 1.84 0.00	48.08 1.65 0.00	48.96 1.44 0.00	47.89 1.23 0.00	51.18 1.45 0.00	50.19 1.34 0.00	45.72 1.14 0.00	50.18 1.18 0.00	54.04 1.32 0.00	56.27 1.99 0.00	74.08 3.27 0.00	73.05 3.30 0.00	55.82 2.44 0.00	48.75 2.10 0.00	46.40 2.10 0.00	49.00 2.06 0.00
BRANSCOMB___SOLAR 323811	49.75 1.61 0.00	39.68 1.27 0.00	42.15 1.40 0.00	44.97 1.33 0.00	44.01 1.28 0.00	48.30 1.27 0.00	56.85 1.30 0.00	64.57 1.21 0.00	45.22 1.00 0.00	47.36 0.94 0.00	48.33 0.81 0.00	47.41 0.75 0.00	50.53 0.80 0.00	49.76 0.91 0.00	45.47 0.88 0.00	50.34 1.33 0.00	54.29 1.57 0.00	55.95 1.67 0.00	72.65 1.84 0.00	71.69 1.95 0.00	55.00 1.62 0.00	48.12 1.47 0.00	45.55 1.26 0.00	48.30 1.36 0.00
BRDGHMPT_69_KV_BK1 55812	50.52 2.39 0.00	40.24 1.62 -0.21	42.16 1.42 0.00	44.92 1.29 0.00	43.77 1.04 0.00	46.27 0.75 1.52	26.62 0.47 29.40	42.15 0.76 21.97	36.14 0.86 8.95	48.14 1.72 0.00	49.93 2.42 0.00	49.92 2.97 -0.28	52.66 2.85 -0.07	52.15 3.08 -0.21	49.30 2.73 -1.98	49.67 2.04 1.38	46.67 1.64 7.69	54.61 1.42 1.10	73.46 2.65 0.00	72.09 2.35 0.00	55.58 2.20 0.00	48.25 1.60 0.00	46.63 2.10 -0.23	49.02 2.07 0.00

BRENTWOD_69_KV_W. BRTWOOD 56703	51.50 3.36 0.00	41.14 2.43 -0.30	43.04 2.30 0.00	45.82 2.19 0.00	44.66 1.93 0.00	47.28 1.71 1.47	28.55 1.28 28.29	44.13 1.91 21.14	37.30 1.68 8.61	49.01 2.59 0.00	51.08 3.56 0.00	50.90 3.83 -0.41	53.58 3.70 -0.15	53.01 3.86 -0.30	50.25 3.53 -2.14	50.63 2.95 1.33	47.77 2.45 7.40	55.62 2.40 1.05	74.51 3.70 0.00	72.78 3.04 0.00	55.88 2.51 0.00	48.63 1.97 0.00	46.96 2.42 -0.24	49.47 2.53 0.00
BRISTLHL_115KV_TB1 79998	47.06 -1.08 0.00	37.58 -0.83 0.00	39.82 -0.93 0.00	42.71 -0.93 0.00	41.82 -0.91 0.00	46.11 -0.92 0.00	54.47 -1.08 0.00	62.18 -1.17 0.00	43.39 -0.84 0.00	45.34 -1.09 0.00	46.14 -1.37 0.00	45.36 -1.35 -0.05	48.23 -1.51 0.00	47.37 -1.49 0.00	43.25 -1.34 0.00	47.57 -1.44 0.00	51.26 -1.46 0.00	53.00 -1.28 0.00	69.19 -1.62 0.00	68.17 -1.57 0.00	52.11 -1.27 0.00	45.53 -1.12 0.00	43.21 -1.09 0.00	45.83 -1.11 0.00
BROOKHAVEN___DRP 24191	50.89 2.75 0.00	40.57 1.94 -0.21	42.51 1.76 0.00	45.25 1.62 0.00	44.09 1.36 0.00	46.57 1.06 1.52	26.82 0.70 29.43	42.40 1.04 21.99	36.30 1.04 8.96	48.33 1.90 0.00	50.19 2.68 0.00	50.12 3.18 -0.28	52.80 2.99 -0.07	52.27 3.21 -0.21	49.49 2.93 -1.98	49.81 2.19 1.38	46.72 1.70 7.70	54.64 1.46 1.10	73.25 2.44 0.00	71.63 1.89 0.00	55.06 1.69 0.00	47.98 1.33 0.00	46.42 1.89 -0.23	48.86 1.92 0.00
BROOKLYN_NAVY_YARD 23515	50.97 2.83 0.00	40.38 1.96 0.00	42.63 1.88 0.00	45.40 1.77 0.00	44.54 1.82 0.00	49.07 2.04 0.00	57.62 2.07 0.00	66.10 2.75 0.00	46.47 2.25 0.00	49.30 2.87 0.00	51.12 3.61 0.00	50.47 3.81 0.00	53.63 3.90 0.00	52.67 3.82 0.00	48.08 3.49 0.00	52.40 3.40 0.00	55.90 3.18 0.00	57.13 2.85 0.00	74.67 3.86 0.00	73.31 3.57 0.00	56.02 2.65 0.00	48.96 2.31 0.00	46.55 2.25 0.00	49.24 2.30 0.00
BROOKLYN___ARMY_DRP 323595	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
BROOME_2_LFGE 323671	48.45 0.22 -0.09	38.86 0.10 -0.35	40.77 -0.01 -0.03	44.11 0.16 -0.31	43.16 0.09 -0.34	47.78 0.38 -0.36	56.59 0.23 -0.80	64.26 0.62 -0.29	45.47 0.33 -0.92	47.39 0.30 -0.65	48.02 0.15 -0.35	47.00 0.24 -0.09	50.08 0.35 0.00	49.63 0.31 -0.47	45.15 0.09 -0.48	49.79 0.13 -0.66	53.10 -0.14 -0.52	54.60 -0.14 -0.45	71.31 -0.04 -0.55	70.34 0.01 -0.58	51.89 -0.19 1.29	46.50 -0.22 -0.06	44.69 -0.11 -0.50	47.37 0.14 -0.29
BROOME___LFGE 323600	48.45 0.22 -0.09	38.86 0.10 -0.35	40.77 -0.01 -0.03	44.11 0.16 -0.31	43.16 0.09 -0.34	47.78 0.38 -0.36	56.59 0.23 -0.80	64.26 0.62 -0.29	45.47 0.33 -0.92	47.39 0.30 -0.65	48.02 0.15 -0.35	47.00 0.24 -0.09	50.08 0.35 0.00	49.63 0.31 -0.47	45.15 0.09 -0.48	49.79 0.13 -0.66	53.10 -0.14 -0.52	54.60 -0.14 -0.45	71.31 -0.04 -0.55	70.34 0.01 -0.58	51.89 -0.19 1.29	46.50 -0.22 -0.06	44.69 -0.11 -0.50	47.37 0.14 -0.29
BROWNFLS_115KV_TB 3_5 80003	50.08 1.94 0.00	39.89 1.48 0.00	42.37 1.62 0.00	45.49 1.85 0.00	44.59 1.86 0.00	49.25 2.21 0.00	58.14 2.59 0.00	66.50 3.15 0.00	46.12 1.90 0.00	47.98 1.55 0.00	48.40 0.89 0.00	47.37 0.70 -0.01	50.56 0.82 0.00	49.61 0.76 0.00	45.24 0.66 0.00	49.72 0.72 0.00	53.76 1.04 0.00	56.30 2.01 0.00	74.02 3.22 0.00	72.95 3.21 0.00	55.62 2.25 0.00	48.46 1.81 0.00	46.09 1.80 0.00	48.61 1.67 0.00
BROWNSV1_27_KV_LOAD 356125	51.41 3.27 0.00	40.76 2.34 0.00	43.01 2.26 0.00	45.82 2.18 0.00	44.96 2.23 0.00	49.55 2.51 0.00	58.23 2.68 0.00	66.84 3.48 0.00	47.01 2.79 0.00	49.84 3.41 0.00	51.66 4.14 0.00	50.99 4.32 0.00	54.16 4.43 0.00	53.20 4.35 0.00	48.54 3.96 0.00	52.91 3.91 0.00	56.46 3.74 0.00	57.74 3.45 0.00	75.44 4.63 0.00	74.03 4.28 0.00	56.58 3.20 0.00	49.43 2.78 0.00	46.99 2.69 0.00	49.68 2.74 0.00
BURROWS___LYONSDAL 23803	49.82 1.69 0.00	39.71 1.29 0.00	42.15 1.40 0.00	45.18 1.55 0.00	44.30 1.57 0.00	48.95 1.92 0.00	58.01 2.46 0.00	66.35 3.00 0.00	46.09 1.86 0.00	47.71 1.28 0.00	48.18 0.67 0.00	47.22 0.56 0.00	50.32 0.59 0.00	49.42 0.57 0.00	45.10 0.52 0.00	49.69 0.69 0.00	53.81 1.09 0.00	56.16 1.88 0.00	73.76 2.96 0.00	72.65 2.91 0.00	55.34 1.96 0.00	48.07 1.41 0.00	45.54 1.25 0.00	48.07 1.13 0.00
CAITHNESS_CC_1 323624	50.83 2.69 0.00	40.51 1.89 -0.21	42.46 1.71 0.00	45.21 1.57 0.00	44.03 1.30 0.00	46.50 0.99 1.52	26.71 0.61 29.46	42.28 0.94 22.01	36.22 0.96 8.97	48.26 1.83 0.00	50.13 2.62 0.00	50.06 3.12 -0.28	52.73 2.93 -0.07	52.18 3.12 -0.21	49.42 2.86 -1.97	49.73 2.11 1.38	46.62 1.60 7.70	54.55 1.36 1.10	73.10 2.29 0.00	71.49 1.75 0.00	54.94 1.56 0.00	47.89 1.23 0.00	46.34 1.81 -0.23	48.77 1.83 0.00
CALPINE BETH_PAGE_GT4 24209	51.15 3.01 -0.01	41.50 2.18 -0.91	42.77 2.02 0.00	45.54 1.90 0.00	44.46 1.73 0.00	47.48 1.58 1.14	35.04 1.29 21.81	48.91 1.92 16.37	39.24 1.69 6.67	48.90 2.47 0.00	50.96 3.44 -0.01	51.67 3.71 -1.30	54.15 3.71 -0.71	53.54 3.76 -0.92	51.27 3.39 -3.30	50.92 2.86 0.94	49.96 2.48 5.24	55.78 2.24 0.75	74.14 3.34 0.00	72.58 2.83 0.00	55.71 2.34 0.00	48.55 1.90 0.00	46.86 2.27 -0.30	49.29 2.35 0.00
CALPINE_BETH_PAGE_GT_4 323586	51.16 3.01 -0.01	41.49 2.18 -0.91	42.76 2.02 0.00	45.53 1.90 0.00	44.45 1.72 0.00	47.47 1.57 1.14	35.03 1.29 21.81	48.91 1.92 16.37	39.24 1.68 6.67	48.90 2.47 0.00	50.96 3.44 -0.01	51.68 3.72 -1.30	54.16 3.71 -0.71	53.54 3.76 -0.92	51.27 3.38 -3.30	50.91 2.85 0.94	49.96 2.47 5.24	55.78 2.24 0.75	74.14 3.34 0.00	72.58 2.83 0.00	55.70 2.33 0.00	48.55 1.90 0.00	46.86 2.26 -0.30	49.28 2.34 0.00
CALPINE_BP_GT1 23823	51.16 3.01 -0.01	41.49 2.18 -0.91	42.76 2.02 0.00	45.53 1.90 0.00	44.45 1.72 0.00	47.47 1.57 1.14	35.03 1.29 21.81	48.91 1.92 16.37	39.24 1.68 6.67	48.90 2.47 0.00	50.96 3.44 -0.01	51.68 3.72 -1.30	54.16 3.71 -0.71	53.54 3.76 -0.92	51.27 3.38 -3.30	50.91 2.85 0.94	49.96 2.47 5.24	55.78 2.24 0.75	74.14 3.34 0.00	72.58 2.83 0.00	55.70 2.33 0.00	48.55 1.90 0.00	46.86 2.26 -0.30	49.28 2.34 0.00
CALSPAN___DRP 24200	46.46 -1.68 0.00	36.96 -1.45 0.00	37.85 -1.86 1.04	42.45 -1.19 0.00	41.36 -1.37 0.00	46.51 -0.52 0.00	53.88 -1.67 0.00	61.66 -1.70 0.00	42.80 -1.42 0.00	44.50 -1.94 0.00	44.88 -2.64 0.00	44.00 -2.66 0.00	47.67 -2.06 0.00	46.90 -1.95 0.00	42.20 -2.39 0.00	46.78 -2.23 0.00	49.48 -3.24 0.00	50.37 -3.92 0.00	65.56 -5.25 0.00	64.87 -4.88 0.00	44.17 -4.27 4.94	42.52 -3.48 0.65	41.66 -2.63 0.00	45.69 -1.25 0.00

CALVERTON___SOLAR 323806	50.93 2.79 0.00	40.59 1.97 -0.21	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.61 1.09 1.52	26.89 0.76 29.42	42.48 1.12 21.99	36.36 1.09 8.96	48.38 1.95 0.00	50.23 2.71 0.00	50.18 3.24 -0.28	52.86 3.06 -0.07	52.32 3.26 -0.21	49.53 2.97 -1.98	49.86 2.23 1.38	46.79 1.76 7.70	54.73 1.54 1.10	73.38 2.58 0.00	71.78 2.04 0.00	55.17 1.80 0.00	48.06 1.41 0.00	46.50 1.97 -0.23	48.92 1.98 0.00
CANDIGU_WT_PWR 323617	46.30 -2.06 -0.22	37.44 -1.84 -0.86	37.55 -2.10 1.09	42.98 -1.43 -0.77	41.97 -1.61 -0.85	47.22 -0.72 -0.90	56.15 -1.41 -2.01	63.41 -0.69 -0.74	45.65 -0.96 -2.38	46.50 -1.63 -1.69	46.01 -2.41 -0.90	44.65 -2.26 -0.24	47.87 -1.87 0.00	48.21 -1.82 -1.18	43.61 -2.25 -1.28	48.87 -2.11 -1.98	50.87 -3.14 -1.29	52.36 -3.03 -1.11	68.26 -3.85 -1.31	67.32 -3.82 -1.39	42.66 -3.36 7.36	43.48 -2.77 0.40	43.32 -2.17 -1.19	46.42 -1.22 -0.70
CARR STREET_E_SYR 24060	47.37 -0.77 0.00	37.82 -0.60 0.00	40.06 -0.69 0.00	42.97 -0.67 0.00	42.08 -0.65 0.00	46.42 -0.61 0.00	54.84 -0.72 0.00	62.69 -0.67 0.00	43.70 -0.52 0.00	45.67 -0.76 0.00	46.55 -0.97 0.00	45.71 -0.95 0.00	48.69 -1.04 0.00	47.85 -1.00 0.00	43.66 -0.92 0.00	48.03 -0.97 0.00	51.71 -1.01 0.00	53.36 -0.92 0.00	69.64 -1.16 0.00	68.59 -1.16 0.00	52.42 -0.96 0.00	45.79 -0.86 0.00	43.47 -0.83 0.00	46.13 -0.81 0.00
CARTHAGE___PAPER 23857	50.57 2.43 0.00	40.29 1.88 0.00	42.78 2.03 0.00	45.93 2.30 0.00	45.04 2.31 0.00	49.86 2.83 0.00	59.15 3.60 0.00	67.78 4.43 0.00	46.90 2.68 0.00	48.07 1.64 0.00	47.99 0.48 0.00	46.91 0.23 -0.02	49.97 0.24 0.00	49.08 0.23 0.00	44.77 0.19 0.00	49.27 0.27 0.00	53.54 0.82 0.00	56.83 2.55 0.00	75.23 4.43 0.00	74.20 4.46 0.00	56.40 3.02 0.00	48.82 2.17 0.00	46.32 2.02 0.00	48.78 1.84 0.00
CASSADAGA_WT_PWR 323784	46.19 -1.68 0.27	35.64 -1.74 1.05	36.56 -2.20 1.99	41.43 -1.26 0.94	40.39 -1.31 1.04	45.77 -0.17 1.10	52.05 -1.07 2.43	62.31 -0.26 0.78	41.39 -0.33 2.50	44.18 -0.47 1.78	45.56 -1.00 0.95	45.37 -1.04 0.26	49.11 -0.63 0.00	46.62 -0.82 1.41	41.89 -1.33 1.37	45.74 -1.02 2.24	49.14 -2.02 1.57	50.39 -2.58 1.31	65.43 -3.91 1.47	64.37 -3.80 1.57	43.86 -3.25 6.27	42.51 -2.68 1.46	40.78 -2.17 1.34	45.09 -1.07 0.79
CE_DUNWOOD___DRP 24194	50.65 2.51 0.00	40.20 1.79 0.00	42.45 1.70 0.00	45.24 1.61 0.00	44.38 1.65 0.00	48.85 1.82 0.00	57.37 1.82 0.00	65.80 2.44 0.00	46.25 2.03 0.00	49.01 2.58 0.00	50.78 3.27 0.00	50.11 3.44 0.00	53.23 3.50 0.00	52.29 3.44 0.00	47.71 3.13 0.00	52.00 2.99 0.00	55.52 2.80 0.00	56.81 2.53 0.00	74.23 3.43 0.00	72.83 3.09 0.00	55.68 2.30 0.00	48.64 1.99 0.00	46.24 1.94 0.00	48.98 2.04 0.00
CE_MILLWOOD___DRP 24193	50.58 2.44 0.00	40.15 1.73 0.00	42.41 1.66 0.00	45.19 1.56 0.00	44.33 1.60 0.00	48.80 1.77 0.00	57.32 1.76 0.00	65.72 2.36 0.00	46.19 1.97 0.00	48.94 2.51 0.00	50.70 3.18 0.00	50.01 3.35 0.00	53.14 3.40 0.00	52.19 3.34 0.00	47.62 3.04 0.00	51.91 2.91 0.00	55.44 2.72 0.00	56.73 2.45 0.00	74.12 3.32 0.00	72.72 2.98 0.00	55.61 2.24 0.00	48.58 1.93 0.00	46.18 1.88 0.00	48.91 1.97 0.00
CE_NYC2_DRP 24202	50.81 2.67 0.00	40.38 1.96 0.00	42.61 1.86 0.00	45.37 1.73 0.00	44.53 1.80 0.00	49.06 2.02 0.00	57.49 1.94 0.00	65.90 2.55 0.00	46.41 2.18 0.00	49.30 2.87 0.00	51.06 3.55 0.00	50.36 3.70 0.00	53.43 3.70 0.00	52.49 3.64 0.00	47.95 3.37 0.00	52.19 3.19 0.00	55.62 2.90 0.00	56.93 2.66 0.00	74.34 3.54 0.00	72.93 3.19 0.00	55.79 2.42 0.00	48.84 2.19 0.00	46.38 2.08 0.00	49.14 2.19 0.00
CE_NYC_DRP 24195	51.04 2.90 0.00	40.48 2.06 0.00	42.73 1.98 0.00	45.51 1.88 0.00	44.66 1.93 0.00	49.20 2.16 0.00	57.80 2.24 0.00	66.31 2.95 0.00	46.64 2.42 0.00	49.47 3.04 0.00	51.29 3.77 0.00	50.62 3.96 0.00	53.77 4.04 0.00	52.81 3.96 0.00	48.20 3.62 0.00	52.52 3.52 0.00	56.04 3.33 0.00	57.30 3.03 0.00	74.85 4.05 0.00	73.43 3.68 0.00	56.12 2.74 0.00	49.03 2.38 0.00	46.62 2.32 0.00	49.32 2.38 0.00
CHAFFEE___LFGE 323603	46.37 -1.53 0.25	36.15 -1.32 0.95	37.11 -1.74 1.90	41.73 -1.05 0.85	40.54 -1.25 0.94	45.65 -0.39 1.00	51.90 -1.45 2.21	61.26 -1.39 0.70	40.76 -1.20 2.27	43.07 -1.75 1.61	44.21 -2.44 0.86	43.99 -2.44 0.23	47.88 -1.86 0.00	45.78 -1.78 1.28	41.09 -2.26 1.24	44.88 -2.08 2.04	48.28 -3.01 1.42	49.42 -3.66 1.20	64.57 -4.86 1.37	63.77 -4.51 1.46	43.34 -3.97 6.06	42.01 -3.26 1.39	40.62 -2.43 1.25	45.16 -1.05 0.73
CHATEAUG_35_KV_LOAD 355732	48.52 0.38 0.00	38.71 0.30 0.00	41.22 0.47 0.00	44.28 0.65 0.00	43.31 0.58 0.00	47.84 0.80 0.00	56.85 1.29 0.00	64.95 1.59 0.00	45.06 0.84 0.00	47.24 0.81 0.00	48.42 0.91 0.00	47.39 0.73 0.00	50.60 0.86 0.00	49.64 0.79 0.00	45.36 0.77 0.00	49.72 0.72 0.00	53.47 0.75 0.00	55.28 1.00 0.00	72.43 1.63 0.00	71.36 1.62 0.00	54.59 1.21 0.00	47.66 1.01 0.00	45.42 1.12 0.00	48.12 1.18 0.00
CHATEAUG_WT_PWR 323614	48.41 0.27 0.00	38.62 0.20 0.00	41.12 0.38 0.00	44.16 0.52 0.00	43.19 0.46 0.00	47.69 0.65 0.00	56.65 1.09 0.00	64.49 1.13 0.00	44.88 0.66 0.00	47.14 0.71 0.00	48.35 0.84 0.00	47.34 0.68 0.00	50.52 0.78 0.00	49.59 0.74 0.00	45.33 0.74 0.00	49.68 0.67 0.00	53.41 0.69 0.00	55.09 0.81 0.00	72.11 1.31 0.00	71.05 1.30 0.00	54.36 0.99 0.00	47.48 0.83 0.00	45.24 0.94 0.00	47.96 1.01 0.00
CHAT_HIGH_FALL_HYD 323578	48.52 0.38 0.00	38.71 0.30 0.00	41.22 0.47 0.00	44.28 0.65 0.00	43.31 0.58 0.00	47.84 0.80 0.00	56.85 1.29 0.00	64.95 1.59 0.00	45.06 0.84 0.00	47.24 0.81 0.00	48.42 0.91 0.00	47.39 0.73 0.00	50.60 0.86 0.00	49.64 0.79 0.00	45.36 0.77 0.00	49.72 0.72 0.00	53.47 0.75 0.00	55.28 1.00 0.00	72.43 1.63 0.00	71.36 1.62 0.00	54.59 1.21 0.00	47.66 1.01 0.00	45.42 1.12 0.00	48.12 1.18 0.00
CHAUTAUQUA___LFGE 323629	46.18 -1.71 0.25	35.77 -1.67 0.97	36.75 -2.09 1.91	41.52 -1.24 0.87	40.36 -1.40 0.96	45.63 -0.39 1.02	51.87 -1.42 2.26	61.69 -0.94 0.72	41.04 -0.86 2.33	43.68 -1.09 1.66	44.90 -1.73 0.88	44.72 -1.71 0.24	48.52 -1.21 0.00	46.23 -1.31 1.31	41.53 -1.79 1.27	45.34 -1.58 2.08	48.64 -2.63 1.46	49.77 -3.27 1.24	64.89 -4.50 1.42	63.95 -4.28 1.51	43.66 -3.71 6.00	42.18 -3.07 1.40	40.59 -2.41 1.30	44.97 -1.22 0.76
CHERRYST_13_KV_LD 356241	51.14 3.00 0.00	40.55 2.14 0.00	42.81 2.06 0.00	45.60 1.97 0.00	44.75 2.02 0.00	49.31 2.28 0.00	57.93 2.38 0.00	66.50 3.15 0.00	46.78 2.56 0.00	49.64 3.21 0.00	51.46 3.95 0.00	50.80 4.14 0.00	53.96 4.22 0.00	52.99 4.14 0.00	48.35 3.77 0.00	52.70 3.70 0.00	56.23 3.51 0.00	57.49 3.21 0.00	75.09 4.29 0.00	73.62 3.88 0.00	56.27 2.89 0.00	49.16 2.51 0.00	46.73 2.43 0.00	49.43 2.49 0.00

CHESTROR_138KV_BK263 355645	50.41 2.27 0.00	40.02 1.60 0.00	42.29 1.54 0.00	45.08 1.45 0.00	44.25 1.52 0.00	48.73 1.69 0.00	57.23 1.67 0.00	65.58 2.23 0.00	46.06 1.84 0.00	48.73 2.30 0.00	50.41 2.90 0.00	49.70 3.04 0.00	52.80 3.07 0.00	51.87 3.02 0.00	47.28 2.70 0.00	51.59 2.59 0.00	55.15 2.43 0.00	56.52 2.23 0.00	73.85 3.04 0.00	72.51 2.77 0.00	55.43 2.06 0.00	48.41 1.76 0.00	46.02 1.72 0.00	48.75 1.81 0.00
CH_MIDHUDSON___DRP 24192	50.46 2.32 0.00	40.10 1.68 0.00	42.39 1.64 0.00	45.19 1.56 0.00	44.31 1.58 0.00	48.74 1.70 0.00	57.28 1.72 0.00	65.64 2.28 0.00	46.11 1.89 0.00	48.80 2.37 0.00	50.46 2.94 0.00	49.73 3.07 0.00	52.82 3.08 0.00	51.88 3.03 0.00	47.32 2.74 0.00	51.67 2.67 0.00	55.28 2.56 0.00	56.64 2.36 0.00	73.94 3.14 0.00	72.62 2.88 0.00	55.56 2.18 0.00	48.54 1.89 0.00	46.08 1.79 0.00	48.78 1.85 0.00
CH_MISC_IPPS 23765	50.81 2.67 0.00	40.35 1.93 0.00	42.64 1.89 0.00	45.46 1.83 0.00	44.59 1.85 0.00	49.09 2.06 0.00	57.72 2.17 0.00	66.18 2.83 0.00	46.48 2.25 0.00	49.19 2.76 0.00	50.87 3.35 0.00	50.11 3.45 0.00	53.22 3.48 0.00	52.27 3.42 0.00	47.67 3.09 0.00	52.04 3.04 0.00	55.69 2.97 0.00	57.08 2.80 0.00	74.56 3.76 0.00	73.21 3.47 0.00	55.98 2.60 0.00	48.88 2.23 0.00	46.42 2.13 0.00	49.13 2.19 0.00
CH_RES_BVR_FALLS 23983	48.16 0.03 0.00	38.43 0.02 0.00	40.82 0.07 0.00	43.75 0.11 0.00	42.86 0.13 0.00	47.21 0.18 0.00	55.85 0.30 0.00	63.68 0.32 0.00	44.38 0.16 0.00	46.64 0.21 0.00	47.76 0.24 0.00	46.86 0.20 0.00	49.98 0.25 0.00	49.09 0.24 0.00	44.78 0.20 0.00	49.21 0.20 0.00	52.97 0.25 0.00	54.57 0.29 0.00	71.25 0.45 0.00	70.16 0.42 0.00	53.62 0.24 0.00	46.79 0.14 0.00	44.43 0.14 0.00	46.99 0.05 0.00
CH_RES_NIAGARA 23895	45.62 -2.52 0.00	36.32 -2.09 0.00	37.29 -2.53 0.93	41.72 -1.91 0.00	40.62 -2.11 0.00	45.58 -1.46 0.00	52.48 -3.08 0.00	59.38 -3.98 0.00	41.30 -2.92 0.00	42.90 -3.53 0.00	43.29 -4.22 0.00	42.39 -4.28 0.00	46.10 -3.64 0.00	45.44 -3.41 0.00	40.91 -3.68 0.00	45.34 -3.66 0.00	47.95 -4.78 0.00	48.52 -5.76 0.00	63.11 -7.69 0.00	62.50 -7.24 0.00	43.04 -5.98 4.35	41.20 -4.88 0.57	40.47 -3.82 0.00	44.71 -2.24 0.00
CH_RES_SYRACUSE 23985	47.67 -0.47 0.00	38.05 -0.36 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.73 -0.31 0.00	55.21 -0.35 0.00	63.03 -0.33 0.00	43.92 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 -0.02	48.87 -0.87 0.00	48.02 -0.83 0.00	43.81 -0.77 0.00	48.20 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.12 -0.62 0.00	52.76 -0.61 0.00	46.09 -0.56 0.00	43.74 -0.55 0.00	46.40 -0.54 0.00
CLINTON_WT_PWR 323605	48.41 0.27 0.00	38.62 0.20 0.00	41.12 0.38 0.00	44.16 0.52 0.00	43.19 0.46 0.00	47.69 0.65 0.00	56.65 1.09 0.00	64.49 1.13 0.00	44.88 0.66 0.00	47.14 0.71 0.00	48.35 0.84 0.00	47.34 0.68 0.00	50.52 0.78 0.00	49.59 0.74 0.00	45.33 0.74 0.00	49.68 0.67 0.00	53.41 0.69 0.00	55.09 0.81 0.00	72.11 1.31 0.00	71.05 1.30 0.00	54.36 0.99 0.00	47.48 0.83 0.00	45.24 0.94 0.00	47.96 1.01 0.00
CLINTON___LFGE 323618	48.92 0.78 0.00	39.03 0.62 0.00	41.60 0.85 0.00	44.63 0.99 0.00	43.64 0.91 0.00	48.21 1.18 0.00	57.51 1.96 0.00	65.28 1.92 0.00	45.41 1.18 0.00	47.53 1.10 0.00	48.80 1.29 0.00	47.79 1.12 0.00	50.88 1.15 0.00	49.91 1.06 0.00	45.73 1.15 0.00	50.12 1.11 0.00	53.92 1.21 0.00	55.68 1.39 0.00	73.07 2.27 0.00	72.01 2.27 0.00	55.10 1.72 0.00	48.09 1.44 0.00	45.80 1.51 0.00	48.59 1.64 0.00
COBBLENY_34_KV_TB1 80064	46.62 -1.52 0.00	37.08 -1.34 0.00	37.94 -1.74 1.07	42.58 -1.06 0.00	41.47 -1.26 0.00	46.64 -0.39 0.00	54.10 -1.45 0.00	61.98 -1.38 0.00	43.00 -1.22 0.00	44.68 -1.75 0.00	45.06 -2.45 0.00	44.22 -2.44 0.00	47.88 -1.86 0.00	47.04 -1.81 0.00	42.30 -2.29 0.00	46.91 -2.10 0.00	49.67 -3.05 0.00	50.61 -3.67 0.00	65.90 -4.90 0.00	65.23 -4.51 0.00	44.17 -4.00 5.21	42.70 -3.27 0.68	41.84 -2.46 0.00	45.86 -1.09 0.00
COFFEEN___115KV_TB3 355620	50.63 2.49 0.00	40.33 1.92 0.00	42.79 2.04 0.00	46.00 2.36 0.00	45.10 2.37 0.00	50.02 2.98 0.00	59.40 3.84 0.00	68.13 4.77 0.00	47.11 2.88 0.00	48.01 1.58 0.00	47.60 0.08 0.00	46.47 -0.22 0.00	49.51 -0.22 0.00	48.63 -0.22 0.00	44.34 -0.24 0.00	48.80 -0.20 0.00	53.09 0.37 0.00	56.88 2.60 0.00	75.51 4.71 0.00	74.54 4.80 0.00	56.62 3.25 0.00	48.93 2.27 0.00	46.38 2.08 0.00	48.84 1.90 0.00
COLDSPRG_115KV_BK1 355956	47.45 -0.68 0.00	37.58 -0.84 0.00	38.40 -1.24 1.11	43.16 -0.47 0.00	42.14 -0.59 0.00	47.59 0.55 0.00	55.42 -0.13 0.00	64.14 0.79 0.00	44.58 0.36 0.00	46.60 0.17 0.00	47.14 -0.37 0.00	46.25 -0.42 0.00	49.77 0.04 0.00	48.78 -0.07 0.00	43.93 -0.65 0.00	48.65 -0.36 0.00	51.33 -1.39 0.00	52.42 -1.86 0.00	68.21 -2.60 0.00	67.40 -2.34 0.00	45.36 -2.30 5.72	43.99 -1.91 0.75	42.91 -1.39 0.00	46.68 -0.27 0.00
COLONIE_LFGE___ 323577	49.15 1.01 0.00	39.25 0.83 0.00	41.72 0.97 0.00	44.46 0.82 0.00	43.53 0.80 0.00	47.74 0.70 0.00	56.16 0.61 0.00	63.73 0.37 0.00	44.69 0.47 0.00	47.06 0.63 0.00	48.23 0.72 0.00	47.34 0.68 0.00	50.43 0.69 0.00	49.58 0.73 0.00	45.26 0.67 0.00	49.94 0.94 0.00	53.83 1.11 0.00	55.29 1.01 0.00	71.74 0.94 0.00	70.72 0.98 0.00	54.33 0.96 0.00	47.56 0.91 0.00	45.01 0.72 0.00	47.74 0.80 0.00
COOPERNY_115KV_TB1 80082	49.90 1.76 0.00	39.69 1.27 0.00	41.99 1.24 0.00	44.84 1.21 0.00	43.97 1.24 0.00	48.40 1.36 0.00	56.90 1.34 0.00	65.15 1.79 0.00	45.66 1.43 0.00	48.17 1.74 0.00	49.68 2.16 0.00	48.95 2.28 0.00	52.04 2.30 0.00	51.12 2.27 0.00	46.59 2.01 0.00	50.93 1.92 0.00	54.56 1.84 0.00	55.96 1.68 0.00	73.06 2.25 0.00	71.80 2.05 0.00	54.92 1.55 0.00	47.96 1.31 0.00	45.57 1.27 0.00	48.30 1.36 0.00
COPENHAGEN_WT_PWR 323753	50.02 1.89 0.00	39.90 1.49 0.00	42.36 1.61 0.00	45.49 1.86 0.00	44.59 1.86 0.00	49.41 2.37 0.00	58.58 3.03 0.00	67.16 3.80 0.00	46.51 2.28 0.00	47.63 1.20 0.00	47.47 -0.04 0.00	46.40 -0.28 -0.02	49.45 -0.29 0.00	48.55 -0.29 0.00	44.28 -0.30 0.00	48.73 -0.28 0.00	52.91 0.19 0.00	56.26 1.98 0.00	74.45 3.64 0.00	73.45 3.71 0.00	55.80 2.42 0.00	48.17 1.52 0.00	45.76 1.46 0.00	48.20 1.26 0.00
CORNELL_____ 23752	48.93 0.79 0.00	39.03 0.62 0.00	45.93 0.57 -4.61	44.38 0.74 0.00	43.47 0.74 0.00	48.11 1.07 0.00	56.86 1.30 0.00	65.57 2.22 0.00	45.60 1.37 0.00	47.24 0.81 0.00	47.83 0.31 0.00	46.79 0.13 0.00	49.72 -0.01 0.00	48.86 0.00 0.00	44.50 -0.08 0.00	49.01 0.01 0.00	52.86 0.14 0.00	54.96 0.68 0.00	72.10 1.29 0.00	71.06 1.31 0.00	76.78 0.83 -22.58	50.25 0.63 -2.97	44.88 0.58 0.00	47.65 0.71 0.00

CORONA V_69_KV_TB1 355595	51.33 3.13 -0.05	44.02 2.27 -3.34	42.88 2.13 0.00	45.67 2.03 0.00	44.60 1.87 0.00	48.75 1.85 0.13	57.49 1.57 -0.37	66.07 2.26 -0.45	46.30 1.89 -0.18	49.08 2.65 0.00	51.22 3.67 -0.03	55.42 3.89 -4.87	56.72 4.01 -2.98	56.24 3.98 -3.41	55.30 3.57 -7.15	52.14 3.13 0.00	55.51 2.79 0.00	56.83 2.55 0.00	74.52 3.72 0.00	72.98 3.23 0.00	56.01 2.63 0.00	48.83 2.17 0.00	47.14 2.41 -0.43	49.46 2.52 0.00
CORTLAND_115KV_TB3 80093	48.59 0.45 0.00	38.74 0.33 0.00	42.44 0.29 -1.40	44.03 0.39 0.00	43.12 0.38 0.00	47.62 0.58 0.00	56.28 0.73 0.00	64.54 1.18 0.00	44.95 0.72 0.00	46.84 0.41 0.00	47.63 0.11 0.00	46.74 0.08 0.00	49.76 0.03 0.00	48.88 0.03 0.00	44.56 -0.02 0.00	49.04 0.04 0.00	52.82 0.10 0.00	54.64 0.36 0.00	71.49 0.69 0.00	70.42 0.68 0.00	61.86 0.41 -8.08	47.99 0.28 -1.06	44.53 0.23 0.00	47.25 0.31 0.00
COXSACKIE__GT 23611	49.94 1.80 0.00	39.91 1.49 0.00	42.42 1.67 0.00	45.24 1.61 0.00	44.35 1.62 0.00	48.75 1.71 0.00	57.70 2.14 0.00	66.00 2.64 0.00	46.24 2.01 0.00	48.43 2.00 0.00	49.51 2.00 0.00	48.40 1.74 0.00	51.58 1.85 0.00	50.43 1.58 0.00	46.27 1.69 0.00	51.25 2.25 0.00	55.26 2.54 0.00	56.93 2.65 0.00	74.10 3.30 0.00	72.85 3.11 0.00	55.81 2.44 0.00	48.70 2.05 0.00	45.96 1.67 0.00	48.55 1.61 0.00
CPV_VALLEY__CC1 323721	50.37 2.23 0.00	39.98 1.56 0.00	42.24 1.49 0.00	45.04 1.40 0.00	44.20 1.47 0.00	48.66 1.63 0.00	57.15 1.60 0.00	65.49 2.13 0.00	46.00 1.78 0.00	48.69 2.26 0.00	50.38 2.87 0.00	49.70 3.04 0.00	52.80 3.07 0.00	51.86 3.01 0.00	47.29 2.70 0.00	51.60 2.59 0.00	55.12 2.40 0.00	56.45 2.17 0.00	73.76 2.96 0.00	72.41 2.67 0.00	55.34 1.97 0.00	48.35 1.70 0.00	45.96 1.66 0.00	48.69 1.75 0.00
CPV_VALLEY__CC2 323722	50.37 2.23 0.00	39.98 1.56 0.00	42.24 1.49 0.00	45.04 1.40 0.00	44.20 1.47 0.00	48.66 1.63 0.00	57.15 1.60 0.00	65.49 2.13 0.00	46.00 1.78 0.00	48.69 2.26 0.00	50.38 2.87 0.00	49.70 3.04 0.00	52.80 3.07 0.00	51.86 3.01 0.00	47.29 2.70 0.00	51.60 2.59 0.00	55.12 2.40 0.00	56.45 2.17 0.00	73.76 2.96 0.00	72.41 2.67 0.00	55.34 1.97 0.00	48.35 1.70 0.00	45.96 1.66 0.00	48.69 1.75 0.00
CRESCENT__HYD 24018	49.15 1.01 0.00	39.25 0.83 0.00	41.72 0.97 0.00	44.46 0.82 0.00	43.53 0.80 0.00	47.74 0.70 0.00	56.16 0.61 0.00	63.73 0.37 0.00	44.69 0.47 0.00	47.06 0.63 0.00	48.23 0.72 0.00	47.34 0.68 0.00	50.43 0.69 0.00	49.58 0.73 0.00	45.26 0.67 0.00	49.94 0.94 0.00	53.83 1.11 0.00	55.29 1.01 0.00	71.74 0.94 0.00	70.72 0.98 0.00	54.33 0.96 0.00	47.56 0.91 0.00	45.01 0.72 0.00	47.74 0.80 0.00
CRICKET__VALLEY_CC1 323756	49.81 1.67 0.00	39.58 1.17 0.00	41.85 1.10 0.00	44.59 0.96 0.00	43.73 1.00 0.00	48.09 1.06 0.00	56.44 0.88 0.00	64.64 1.28 0.00	45.44 1.22 0.00	48.13 1.70 0.00	49.81 2.29 0.00	49.12 2.46 0.00	52.19 2.46 0.00	51.25 2.40 0.00	46.78 2.20 0.00	51.04 2.03 0.00	54.54 1.82 0.00	55.84 1.55 0.00	72.87 2.07 0.00	71.54 1.80 0.00	54.76 1.39 0.00	47.88 1.23 0.00	45.50 1.20 0.00	48.17 1.23 0.00
CRICKET__VALLEY_CC2 323757	49.81 1.67 0.00	39.58 1.17 0.00	41.85 1.10 0.00	44.59 0.96 0.00	43.73 1.00 0.00	48.09 1.06 0.00	56.44 0.88 0.00	64.64 1.28 0.00	45.44 1.22 0.00	48.13 1.70 0.00	49.81 2.29 0.00	49.12 2.46 0.00	52.19 2.46 0.00	51.25 2.40 0.00	46.78 2.20 0.00	51.04 2.03 0.00	54.54 1.82 0.00	55.84 1.55 0.00	72.87 2.07 0.00	71.54 1.80 0.00	54.76 1.39 0.00	47.88 1.23 0.00	45.50 1.20 0.00	48.17 1.23 0.00
CRICKET__VALLEY_CC3 323758	49.81 1.67 0.00	39.58 1.17 0.00	41.85 1.10 0.00	44.59 0.96 0.00	43.73 1.00 0.00	48.09 1.06 0.00	56.44 0.88 0.00	64.64 1.28 0.00	45.44 1.22 0.00	48.13 1.70 0.00	49.81 2.29 0.00	49.12 2.46 0.00	52.19 2.46 0.00	51.25 2.40 0.00	46.78 2.20 0.00	51.04 2.03 0.00	54.54 1.82 0.00	55.84 1.55 0.00	72.87 2.07 0.00	71.54 1.80 0.00	54.76 1.39 0.00	47.88 1.23 0.00	45.50 1.20 0.00	48.17 1.23 0.00
CRUCIBLE_METL_DRP 24180	47.67 -0.47 0.00	38.05 -0.37 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.72 -0.31 0.00	55.20 -0.35 0.00	63.03 -0.33 0.00	43.91 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 0.00	48.87 -0.87 0.00	48.01 -0.84 0.00	43.81 -0.77 0.00	48.21 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.13 -0.62 0.00	52.76 -0.62 0.00	46.09 -0.56 0.00	43.74 -0.56 0.00	46.40 -0.54 0.00
DAHOWA__HYDRO 323763	49.91 1.77 0.00	39.81 1.39 0.00	42.28 1.53 0.00	45.10 1.47 0.00	44.13 1.40 0.00	48.44 1.40 0.00	57.00 1.45 0.00	64.75 1.39 0.00	45.36 1.14 0.00	47.49 1.05 0.00	48.42 0.90 0.00	47.47 0.80 0.00	50.59 0.86 0.00	49.83 0.97 0.00	45.51 0.93 0.00	50.44 1.44 0.00	54.45 1.73 0.00	56.13 1.85 0.00	72.90 2.09 0.00	71.97 2.23 0.00	55.19 1.81 0.00	48.30 1.65 0.00	45.71 1.41 0.00	48.46 1.52 0.00
DANC__LFGE 323619	48.92 0.78 0.00	39.04 0.63 0.00	41.41 0.66 0.00	44.44 0.81 0.00	43.56 0.83 0.00	48.18 1.15 0.00	57.03 1.48 0.00	65.29 1.93 0.00	45.32 1.10 0.00	46.75 0.32 0.00	46.92 -0.59 0.00	45.96 -0.73 -0.03	48.95 -0.79 0.00	48.08 -0.78 0.00	43.87 -0.72 0.00	48.27 -0.73 0.00	52.22 -0.50 0.00	54.99 0.71 0.00	72.46 1.66 0.00	71.45 1.71 0.00	54.41 1.03 0.00	47.21 0.56 0.00	44.83 0.53 0.00	47.32 0.38 0.00
DANSKAMMER__1 23586	50.81 2.67 0.00	40.35 1.93 0.00	42.64 1.89 0.00	45.46 1.83 0.00	44.59 1.85 0.00	49.09 2.06 0.00	57.72 2.17 0.00	66.18 2.83 0.00	46.48 2.25 0.00	49.19 2.76 0.00	50.87 3.35 0.00	50.11 3.45 0.00	53.22 3.48 0.00	52.27 3.42 0.00	47.67 3.09 0.00	52.04 3.04 0.00	55.69 2.97 0.00	57.08 2.80 0.00	74.56 3.76 0.00	73.21 3.47 0.00	55.98 2.60 0.00	48.88 2.23 0.00	46.42 2.13 0.00	49.13 2.19 0.00
DANSKAMMER__2 23589	50.81 2.67 0.00	40.35 1.93 0.00	42.64 1.89 0.00	45.46 1.83 0.00	44.59 1.85 0.00	49.09 2.06 0.00	57.72 2.17 0.00	66.18 2.83 0.00	46.48 2.25 0.00	49.19 2.76 0.00	50.87 3.35 0.00	50.11 3.45 0.00	53.22 3.48 0.00	52.27 3.42 0.00	47.67 3.09 0.00	52.04 3.04 0.00	55.69 2.97 0.00	57.08 2.80 0.00	74.56 3.76 0.00	73.21 3.47 0.00	55.98 2.60 0.00	48.88 2.23 0.00	46.42 2.13 0.00	49.13 2.19 0.00
DANSKAMMER__3 23590	50.81 2.67 0.00	40.35 1.93 0.00	42.64 1.89 0.00	45.46 1.83 0.00	44.59 1.85 0.00	49.09 2.06 0.00	57.72 2.17 0.00	66.18 2.83 0.00	46.48 2.25 0.00	49.19 2.76 0.00	50.87 3.35 0.00	50.11 3.45 0.00	53.22 3.48 0.00	52.27 3.42 0.00	47.67 3.09 0.00	52.04 3.04 0.00	55.69 2.97 0.00	57.08 2.80 0.00	74.56 3.76 0.00	73.21 3.47 0.00	55.98 2.60 0.00	48.88 2.23 0.00	46.42 2.13 0.00	49.13 2.19 0.00

DANSKAMMER___4 23591	50.81 2.67 0.00	40.35 1.93 0.00	42.64 1.89 0.00	45.46 1.83 0.00	44.59 1.85 0.00	49.09 2.06 0.00	57.72 2.17 0.00	66.18 2.83 0.00	46.48 2.25 0.00	49.19 2.76 0.00	50.87 3.35 0.00	50.11 3.45 0.00	53.22 3.48 0.00	52.27 3.42 0.00	47.67 3.09 0.00	52.04 3.04 0.00	55.69 2.97 0.00	57.08 2.80 0.00	74.56 3.76 0.00	73.21 3.47 0.00	55.98 2.60 0.00	48.88 2.23 0.00	46.42 2.13 0.00	49.13 2.19 0.00
DANSKAMMER___DIESEL 23592	50.81 2.67 0.00	40.35 1.94 0.00	42.64 1.89 0.00	45.46 1.83 0.00	44.59 1.85 0.00	49.09 2.06 0.00	57.72 2.17 0.00	66.18 2.82 0.00	46.48 2.26 0.00	49.19 2.76 0.00	50.87 3.36 0.00	50.11 3.45 0.00	53.22 3.48 0.00	52.27 3.42 0.00	47.67 3.09 0.00	52.06 3.05 0.00	55.69 2.97 0.00	57.08 2.80 0.00	74.57 3.77 0.00	73.21 3.47 0.00	55.98 2.60 0.00	48.88 2.23 0.00	46.43 2.13 0.00	49.13 2.19 0.00
DARBY___SOLAR 323810	49.76 1.62 0.00	39.68 1.27 0.00	42.15 1.40 0.00	44.97 1.33 0.00	44.01 1.27 0.00	48.30 1.26 0.00	56.83 1.28 0.00	64.55 1.19 0.00	45.22 0.99 0.00	47.34 0.91 0.00	48.30 0.79 0.00	47.45 0.79 0.00	50.55 0.81 0.00	49.72 0.87 0.00	45.45 0.86 0.00	50.33 1.33 0.00	54.29 1.57 0.00	55.92 1.64 0.00	72.61 1.81 0.00	71.66 1.92 0.00	54.96 1.59 0.00	48.10 1.45 0.00	45.53 1.23 0.00	48.29 1.34 0.00
DASHVILLE___HYD 23610	50.00 1.87 0.00	39.79 1.38 0.00	42.11 1.36 0.00	44.91 1.28 0.00	44.02 1.28 0.00	48.34 1.30 0.00	56.84 1.29 0.00	65.09 1.74 0.00	45.71 1.49 0.00	48.31 1.88 0.00	49.85 2.34 0.00	49.08 2.42 0.00	52.13 2.39 0.00	51.20 2.35 0.00	46.69 2.11 0.00	51.08 2.08 0.00	54.70 1.98 0.00	56.10 1.82 0.00	73.20 2.40 0.00	71.96 2.21 0.00	55.10 1.73 0.00	48.12 1.47 0.00	45.68 1.38 0.00	48.33 1.39 0.00
DELAWARE___LFGE 323621	49.41 1.27 0.00	39.46 1.05 0.00	42.04 1.06 -0.23	44.75 1.11 0.00	43.87 1.14 0.00	48.26 1.22 0.00	56.85 1.30 0.00	64.98 1.62 0.00	45.38 1.16 0.00	47.70 1.27 0.00	48.97 1.45 0.00	48.18 1.51 0.00	51.27 1.54 0.00	50.43 1.58 0.00	45.92 1.34 0.00	50.41 1.41 0.00	54.14 1.42 0.00	55.61 1.33 0.00	72.48 1.67 0.00	71.29 1.55 0.00	55.38 1.15 -0.85	47.66 0.90 -0.11	45.15 0.85 0.00	47.85 0.91 0.00
DERFIELD_115KV_TB7 355931	48.27 0.13 0.00	38.53 0.12 0.00	40.87 0.12 0.00	43.72 0.09 0.00	42.82 0.09 0.00	47.12 0.08 0.00	55.59 0.03 0.00	63.41 0.05 0.00	44.27 0.05 0.00	46.46 0.03 0.00	47.56 0.05 0.00	46.74 0.08 0.00	49.78 0.05 0.00	48.90 0.05 0.00	44.66 0.07 0.00	49.10 0.10 0.00	52.83 0.11 0.00	54.37 0.09 0.00	70.87 0.07 0.00	69.82 0.08 0.00	53.43 0.06 0.00	46.70 0.05 0.00	44.30 0.00 0.00	46.95 0.01 0.00
DOGLEVILLE___HYD 23807	50.43 2.30 0.00	40.21 1.80 0.00	42.70 1.95 0.00	45.47 1.83 0.00	44.75 2.02 0.00	49.26 2.23 0.00	58.01 2.46 0.00	66.18 2.83 0.00	45.44 1.22 0.00	46.99 0.56 0.00	47.94 0.43 0.00	47.59 0.93 0.00	50.87 1.14 0.00	49.97 1.12 0.00	45.89 1.30 0.00	50.88 1.88 0.00	55.10 2.38 0.00	57.00 2.72 0.00	74.87 4.06 0.00	73.80 4.05 0.00	56.41 3.04 0.00	49.40 2.75 0.00	46.73 2.43 0.00	49.49 2.54 0.00
DUNKIRK___115KV_TB_200 55889	46.44 -1.69 0.00	36.75 -1.67 0.00	37.61 -2.09 1.05	42.39 -1.25 0.00	41.29 -1.44 0.00	46.59 -0.44 0.00	54.04 -1.51 0.00	62.31 -1.05 0.00	43.25 -0.97 0.00	45.25 -1.18 0.00	45.67 -1.84 0.00	44.87 -1.79 0.00	48.45 -1.29 0.00	47.46 -1.39 0.00	42.72 -1.87 0.00	47.34 -1.66 0.00	49.97 -2.75 0.00	50.90 -3.38 0.00	66.20 -4.61 0.00	65.39 -4.35 0.00	44.49 -3.79 5.09	42.84 -3.14 0.67	41.83 -2.47 0.00	45.69 -1.26 0.00
DUNKIRK___1 23563	46.44 -1.69 0.00	36.75 -1.67 0.00	37.61 -2.09 1.05	42.39 -1.25 0.00	41.29 -1.44 0.00	46.59 -0.44 0.00	54.04 -1.51 0.00	62.31 -1.05 0.00	43.25 -0.97 0.00	45.25 -1.18 0.00	45.67 -1.84 0.00	44.87 -1.79 0.00	48.45 -1.29 0.00	47.46 -1.39 0.00	42.72 -1.87 0.00	47.34 -1.66 0.00	49.97 -2.75 0.00	50.90 -3.38 0.00	66.20 -4.61 0.00	65.39 -4.35 0.00	44.49 -3.79 5.09	42.84 -3.14 0.67	41.83 -2.47 0.00	45.69 -1.26 0.00
DUNKIRK___2 23564	46.44 -1.69 0.00	36.75 -1.67 0.00	37.61 -2.09 1.05	42.39 -1.25 0.00	41.29 -1.44 0.00	46.59 -0.44 0.00	54.04 -1.51 0.00	62.31 -1.05 0.00	43.25 -0.97 0.00	45.25 -1.18 0.00	45.67 -1.84 0.00	44.87 -1.79 0.00	48.45 -1.29 0.00	47.46 -1.39 0.00	42.72 -1.87 0.00	47.34 -1.66 0.00	49.97 -2.75 0.00	50.90 -3.38 0.00	66.20 -4.61 0.00	65.39 -4.35 0.00	44.49 -3.79 5.09	42.84 -3.14 0.67	41.83 -2.47 0.00	45.69 -1.26 0.00
DUNKIRK___3 23565	46.43 -1.71 0.00	36.78 -1.64 0.00	37.65 -2.05 1.05	42.34 -1.29 0.00	41.26 -1.47 0.00	46.48 -0.55 0.00	53.89 -1.67 0.00	62.01 -1.35 0.00	43.03 -1.20 0.00	44.98 -1.45 0.00	45.41 -2.10 0.00	44.62 -2.04 0.00	48.20 -1.53 0.00	47.26 -1.59 0.00	42.55 -2.03 0.00	47.14 -1.87 0.00	49.77 -2.95 0.00	50.68 -3.60 0.00	65.98 -4.83 0.00	65.22 -4.52 0.00	44.43 -3.95 4.99	42.73 -3.26 0.66	41.74 -2.56 0.00	45.63 -1.32 0.00
DUNKIRK___4 23566	46.43 -1.71 0.00	36.78 -1.64 0.00	37.65 -2.05 1.05	42.34 -1.29 0.00	41.26 -1.47 0.00	46.48 -0.55 0.00	53.89 -1.67 0.00	62.01 -1.35 0.00	43.03 -1.20 0.00	44.98 -1.45 0.00	45.41 -2.10 0.00	44.62 -2.04 0.00	48.20 -1.53 0.00	47.26 -1.59 0.00	42.55 -2.03 0.00	47.14 -1.87 0.00	49.77 -2.95 0.00	50.68 -3.60 0.00	65.98 -4.83 0.00	65.22 -4.52 0.00	44.43 -3.95 4.99	42.73 -3.26 0.66	41.74 -2.56 0.00	45.63 -1.32 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	50.73 2.59 0.00	40.28 1.86 0.00	42.53 1.78 0.00	45.31 1.67 0.00	44.44 1.71 0.00	48.92 1.88 0.00	57.44 1.88 0.00	65.92 2.57 0.00	46.36 2.14 0.00	49.16 2.73 0.00	50.95 3.44 0.00	50.29 3.63 0.00	53.42 3.68 0.00	52.47 3.62 0.00	47.89 3.30 0.00	52.19 3.19 0.00	55.70 2.98 0.00	56.99 2.71 0.00	74.43 3.62 0.00	73.00 3.26 0.00	55.83 2.45 0.00	48.78 2.13 0.00	46.40 2.10 0.00	49.12 2.17 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	50.62 2.48 0.00	40.19 1.77 0.00	42.47 1.72 0.00	45.28 1.65 0.00	44.43 1.70 0.00	48.92 1.88 0.00	57.48 1.93 0.00	65.90 2.54 0.00	46.29 2.06 0.00	48.97 2.54 0.00	50.65 3.14 0.00	49.93 3.27 0.00	53.03 3.30 0.00	52.08 3.23 0.00	47.49 2.91 0.00	51.84 2.84 0.00	55.42 2.70 0.00	56.80 2.52 0.00	74.23 3.42 0.00	72.88 3.14 0.00	55.72 2.34 0.00	48.66 2.01 0.00	46.23 1.93 0.00	48.95 2.01 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	50.95 2.81 0.00	40.47 2.05 0.00	42.71 1.96 0.00	45.48 1.85 0.00	44.64 1.91 0.00	49.16 2.12 0.00	57.62 2.07 0.00	66.01 2.66 0.00	46.45 2.23 0.00	49.29 2.87 0.00	50.95 3.44 0.00	50.23 3.57 0.00	53.31 3.58 0.00	52.43 3.58 0.00	47.86 3.27 0.00	52.07 3.07 0.00	55.55 2.83 0.00	56.92 2.64 0.00	74.34 3.54 0.00	73.01 3.27 0.00	55.88 2.51 0.00	48.88 2.23 0.00	46.39 2.09 0.00	49.14 2.19 0.00

E179THST_13_KV_LOAD 356214	51.14 3.00 0.00	40.62 2.21 0.00	42.85 2.10 0.00	45.63 2.00 0.00	44.80 2.06 0.00	49.33 2.30 0.00	57.85 2.30 0.00	66.30 2.95 0.00	46.66 2.43 0.00	49.51 3.08 0.00	51.18 3.66 0.00	50.45 3.79 0.00	53.56 3.83 0.00	52.67 3.82 0.00	48.07 3.49 0.00	52.31 3.30 0.00	55.80 3.09 0.00	57.19 2.91 0.00	74.69 3.89 0.00	73.35 3.61 0.00	56.15 2.77 0.00	49.10 2.45 0.00	46.59 2.29 0.00	49.33 2.39 0.00
EAST HAMPTON___GT 23717	49.55 1.41 0.00	39.48 0.85 -0.21	41.34 0.60 0.00	44.04 0.41 0.00	42.93 0.20 0.00	45.34 -0.18 1.52	25.58 -0.57 29.40	40.95 -0.44 21.97	35.29 0.02 8.95	47.26 0.84 0.00	49.03 1.51 0.00	49.02 2.08 -0.28	51.77 1.96 -0.07	51.31 2.24 -0.21	48.46 1.90 -1.98	48.79 1.17 1.38	45.81 0.78 7.69	53.76 0.58 1.10	72.48 1.68 0.00	71.45 1.71 0.00	55.28 1.90 0.00	47.87 1.22 0.00	46.21 1.69 -0.23	48.56 1.62 0.00
EAST RIVER___6 23660	50.92 2.78 0.00	40.39 1.97 0.00	42.62 1.87 0.00	45.39 1.76 0.00	44.55 1.82 0.00	49.09 2.06 0.00	57.70 2.15 0.00	66.20 2.85 0.00	46.57 2.34 0.00	49.42 2.99 0.00	51.25 3.74 0.00	50.59 3.93 0.00	53.73 4.00 0.00	52.77 3.91 0.00	48.16 3.58 0.00	52.47 3.47 0.00	56.02 3.29 0.00	57.26 2.98 0.00	74.77 3.96 0.00	73.35 3.61 0.00	56.05 2.67 0.00	48.96 2.31 0.00	46.53 2.24 0.00	49.22 2.27 0.00
EAST RIVER___7 23524	50.92 2.78 0.00	40.39 1.97 0.00	42.62 1.87 0.00	45.39 1.76 0.00	44.55 1.82 0.00	49.09 2.06 0.00	57.70 2.15 0.00	66.20 2.85 0.00	46.57 2.34 0.00	49.42 2.99 0.00	51.25 3.74 0.00	50.59 3.93 0.00	53.73 4.00 0.00	52.77 3.91 0.00	48.16 3.58 0.00	52.47 3.47 0.00	56.02 3.29 0.00	57.26 2.98 0.00	74.77 3.96 0.00	73.35 3.61 0.00	56.05 2.67 0.00	48.96 2.31 0.00	46.53 2.24 0.00	49.22 2.27 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	50.65 2.51 0.00	40.20 1.79 0.00	42.45 1.70 0.00	45.24 1.61 0.00	44.38 1.65 0.00	48.85 1.82 0.00	57.37 1.82 0.00	65.80 2.44 0.00	46.25 2.03 0.00	49.01 2.58 0.00	50.78 3.27 0.00	50.11 3.44 0.00	53.23 3.50 0.00	52.29 3.44 0.00	47.71 3.13 0.00	52.00 2.99 0.00	55.52 2.80 0.00	56.81 2.53 0.00	74.23 3.43 0.00	72.83 3.09 0.00	55.68 2.30 0.00	48.64 1.99 0.00	46.24 1.94 0.00	48.98 2.04 0.00
EAST_HAMPTON___DIESEL 23722	49.39 1.26 0.00	39.34 0.71 -0.21	41.21 0.46 0.00	43.90 0.27 0.00	42.79 0.06 0.00	45.18 -0.34 1.52	25.40 -0.75 29.40	40.73 -0.66 21.97	35.15 -0.12 8.95	47.11 0.69 0.00	48.86 1.34 0.00	48.86 1.91 -0.28	51.60 1.80 -0.07	51.15 2.09 -0.21	48.32 1.75 -1.98	48.63 1.01 1.38	45.65 0.62 7.69	53.61 0.42 1.10	72.29 1.49 0.00	71.29 1.55 0.00	55.19 1.81 0.00	47.78 1.13 0.00	46.12 1.59 -0.23	48.46 1.51 0.00
EAST_POINT___SOLAR 323840	49.77 1.63 0.00	39.74 1.33 0.00	42.09 1.35 0.00	45.04 1.41 0.00	44.28 1.55 0.00	48.94 1.91 0.00	58.02 2.47 0.00	66.43 3.07 0.00	45.40 1.17 0.00	46.65 0.22 0.00	46.99 -0.52 0.00	47.14 0.47 0.00	50.43 0.70 0.00	49.67 0.82 0.00	45.60 1.01 0.00	50.46 1.46 0.00	54.54 1.82 0.00	56.58 2.30 0.00	73.87 3.07 0.00	72.56 2.82 0.00	55.38 2.01 0.00	48.28 1.63 0.00	45.71 1.41 0.00	48.34 1.40 0.00
EAST_PULASKI___ESR 323781	47.84 -0.29 0.00	38.23 -0.19 0.00	40.48 -0.27 0.00	43.43 -0.21 0.00	42.56 -0.18 0.00	47.00 -0.03 0.00	55.53 -0.02 0.00	63.47 0.11 0.00	44.19 -0.04 0.00	45.90 -0.53 0.00	46.44 -1.08 0.00	45.57 -1.14 -0.04	48.48 -1.25 0.00	47.64 -1.22 0.00	43.48 -1.10 0.00	47.82 -1.18 0.00	51.61 -1.11 0.00	53.79 -0.49 0.00	70.55 -0.25 0.00	69.54 -0.20 0.00	53.08 -0.29 0.00	46.28 -0.37 0.00	43.91 -0.39 0.00	46.49 -0.45 0.00
EAST_RIVER___1 323558	51.04 2.90 0.00	40.47 2.06 0.00	42.73 1.98 0.00	45.51 1.87 0.00	44.66 1.93 0.00	49.19 2.16 0.00	57.79 2.24 0.00	66.31 2.95 0.00	46.63 2.40 0.00	49.47 3.04 0.00	51.28 3.77 0.00	50.63 3.97 0.00	53.77 4.03 0.00	52.81 3.95 0.00	48.19 3.60 0.00	52.50 3.50 0.00	56.03 3.31 0.00	57.30 3.01 0.00	74.84 4.04 0.00	73.42 3.68 0.00	56.12 2.74 0.00	49.04 2.39 0.00	46.61 2.32 0.00	49.31 2.37 0.00
EAST_RIVER___2 323559	50.92 2.78 0.00	40.39 1.97 0.00	42.62 1.87 0.00	45.39 1.76 0.00	44.55 1.82 0.00	49.09 2.06 0.00	57.70 2.15 0.00	66.20 2.85 0.00	46.57 2.34 0.00	49.42 2.99 0.00	51.25 3.74 0.00	50.59 3.93 0.00	53.73 4.00 0.00	52.77 3.91 0.00	48.16 3.58 0.00	52.47 3.47 0.00	56.02 3.29 0.00	57.26 2.98 0.00	74.77 3.96 0.00	73.35 3.61 0.00	56.05 2.67 0.00	48.96 2.31 0.00	46.53 2.24 0.00	49.22 2.27 0.00
EAST___DELAWARE_HYD 23607	49.86 1.73 0.00	39.64 1.22 0.00	41.90 1.16 0.00	44.72 1.08 0.00	43.87 1.13 0.00	48.30 1.26 0.00	56.86 1.31 0.00	65.22 1.86 0.00	45.73 1.50 0.00	48.30 1.87 0.00	49.85 2.34 0.00	49.08 2.42 0.00	52.10 2.36 0.00	51.20 2.34 0.00	46.52 1.94 0.00	50.91 1.91 0.00	54.60 1.88 0.00	56.11 1.83 0.00	73.34 2.54 0.00	72.04 2.30 0.00	55.09 1.71 0.00	48.06 1.40 0.00	45.60 1.30 0.00	48.24 1.29 0.00
EIGHT_POINT___WT_PWR 323820	46.09 -2.24 -0.18	37.26 -1.86 -0.70	36.72 -2.01 2.03	43.20 -1.06 -0.63	42.32 -1.11 -0.70	47.70 -0.07 -0.74	56.65 -0.54 -1.64	64.47 0.46 -0.65	45.99 -0.34 -2.11	46.53 -1.40 -1.50	45.93 -2.38 -0.80	44.57 -2.31 -0.22	47.92 -1.82 0.00	48.17 -1.65 -0.97	43.55 -2.16 -1.13	48.74 -1.99 -1.72	50.87 -2.91 -1.05	52.61 -2.38 -0.72	68.34 -2.98 -0.52	67.13 -3.17 -0.56	40.31 -2.82 10.24	43.26 -2.27 1.12	43.01 -1.76 -0.47	46.39 -0.83 -0.28
ELBRIDGE_115KV_TB2 80188	47.42 -0.72 0.00	37.86 -0.55 0.00	40.11 -0.64 0.00	43.03 -0.61 0.00	42.13 -0.60 0.00	46.51 -0.52 0.00	54.93 -0.62 0.00	62.58 -0.78 0.00	43.60 -0.63 0.00	45.55 -0.88 0.00	46.41 -1.10 0.00	45.62 -1.06 -0.02	48.60 -1.14 0.00	47.75 -1.10 0.00	43.58 -1.01 0.00	47.94 -1.06 0.00	51.68 -1.04 0.00	53.43 -0.85 0.00	69.67 -1.13 0.00	68.71 -1.04 0.00	52.46 -0.91 0.00	45.85 -0.80 0.00	43.53 -0.76 0.00	46.21 -0.74 0.00
ELEC_TRO_TEK 24086	51.02 2.86 -0.02	42.27 2.07 -1.79	42.68 1.93 0.00	45.44 1.81 0.00	44.41 1.68 0.00	48.28 1.63 0.38	51.60 1.40 5.35	61.46 2.01 3.91	44.38 1.75 1.59	48.92 2.49 0.00	50.95 3.42 -0.02	52.90 3.65 -2.59	54.94 3.71 -1.49	54.39 3.72 -1.83	53.15 3.32 -5.24	51.67 2.89 0.22	54.05 2.56 1.23	56.43 2.32 0.17	74.18 3.37 0.00	72.63 2.88 0.00	55.70 2.33 0.00	48.56 1.91 0.00	46.87 2.16 -0.42	49.19 2.25 0.00
ELLENBURG_WT_PWR 323604	48.41 0.27 0.00	38.62 0.20 0.00	41.12 0.38 0.00	44.16 0.52 0.00	43.19 0.46 0.00	47.69 0.65 0.00	56.65 1.09 0.00	64.49 1.13 0.00	44.88 0.66 0.00	47.14 0.71 0.00	48.35 0.84 0.00	47.34 0.68 0.00	50.52 0.78 0.00	49.59 0.74 0.00	45.33 0.74 0.00	49.68 0.67 0.00	53.41 0.69 0.00	55.09 0.81 0.00	72.11 1.31 0.00	71.05 1.30 0.00	54.36 0.99 0.00	47.48 0.83 0.00	45.24 0.94 0.00	47.96 1.01 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	46.27 -1.87 0.00	36.80 -1.61 0.00	37.73 -2.03 0.99	42.27 -1.36 0.00	41.19 -1.54 0.00	46.29 -0.74 0.00	53.61 -1.95 0.00	61.69 -1.66 0.00	42.83 -1.39 0.00	44.57 -1.86 0.00	44.98 -2.53 0.00	44.12 -2.55 0.00	47.80 -1.93 0.00	46.99 -1.86 0.00	42.30 -2.28 0.00	46.87 -2.13 0.00	49.58 -3.14 0.00	50.20 -4.08 0.00	65.12 -5.69 0.00	64.43 -5.31 0.00	44.13 -4.58 4.67	42.31 -3.73 0.61	41.44 -2.86 0.00	45.45 -1.49 0.00
EMPIRE_CC_1 323656	48.29 0.15 0.00	38.63 0.22 0.00	41.10 0.35 0.00	43.74 0.10 0.00	42.86 0.13 0.00	46.94 -0.09 0.00	55.12 -0.43 0.00	62.46 -0.89 0.00	43.89 -0.33 0.00	46.34 -0.09 0.00	47.59 0.07 0.00	46.74 0.07 0.00	49.74 0.01 0.00	48.89 0.04 0.00	44.61 0.03 0.00	49.16 0.15 0.00	52.94 0.22 0.00	54.26 -0.02 0.00	70.34 -0.46 0.00	69.33 -0.41 0.00	53.32 -0.05 0.00	46.74 0.09 0.00	44.22 -0.08 0.00	46.90 -0.04 0.00
EMPIRE_CC_2 323658	48.29 0.15 0.00	38.63 0.22 0.00	41.10 0.35 0.00	43.74 0.10 0.00	42.86 0.13 0.00	46.94 -0.09 0.00	55.12 -0.43 0.00	62.46 -0.89 0.00	43.89 -0.33 0.00	46.34 -0.09 0.00	47.59 0.07 0.00	46.74 0.07 0.00	49.74 0.01 0.00	48.89 0.04 0.00	44.61 0.03 0.00	49.16 0.15 0.00	52.94 0.22 0.00	54.26 -0.02 0.00	70.34 -0.46 0.00	69.33 -0.41 0.00	53.32 -0.05 0.00	46.74 0.09 0.00	44.22 -0.08 0.00	46.90 -0.04 0.00
ENORWICH_115KV_TB1 80156	50.98 2.84 0.00	40.70 2.28 0.00	44.76 2.39 -1.62	46.38 2.75 0.00	45.51 2.78 0.00	50.57 3.54 0.00	59.92 4.36 0.00	68.84 5.48 0.00	47.50 3.27 0.00	49.02 2.59 0.00	49.68 2.17 0.00	49.00 2.34 0.00	52.18 2.45 0.00	51.09 2.24 0.00	46.48 1.90 0.00	51.29 2.29 0.00	55.44 2.72 0.00	57.92 3.64 0.00	76.08 5.27 0.00	74.74 4.99 0.00	64.50 3.22 -7.91	50.08 2.39 -1.04	46.41 2.11 0.00	49.01 2.08 0.00
ERIE_ST__34_KV_TB1-2 80199	46.65 -1.49 0.00	37.15 -1.27 0.00	38.00 -1.70 1.05	42.59 -1.04 0.00	41.48 -1.25 0.00	46.66 -0.37 0.00	54.09 -1.47 0.00	61.96 -1.40 0.00	43.05 -1.17 0.00	44.79 -1.64 0.00	45.20 -2.32 0.00	44.29 -2.37 0.00	47.93 -1.80 0.00	47.18 -1.67 0.00	42.46 -2.13 0.00	47.06 -1.94 0.00	49.76 -2.96 0.00	50.73 -3.55 0.00	66.10 -4.71 0.00	65.43 -4.31 0.00	44.52 -3.88 4.98	42.80 -3.20 0.65	41.91 -2.39 0.00	45.88 -1.06 0.00
ERIE_WT_PWR 323693	46.26 -1.66 0.21	36.18 -1.42 0.82	37.16 -1.84 1.76	41.76 -1.14 0.73	40.58 -1.34 0.81	45.70 -0.48 0.85	52.00 -1.65 1.90	61.10 -1.66 0.60	40.89 -1.39 1.94	43.16 -1.89 1.38	44.17 -2.61 0.74	43.81 -2.65 0.20	47.67 -2.06 0.00	45.84 -1.91 1.10	41.17 -2.35 1.06	45.04 -2.22 1.75	48.32 -3.19 1.22	49.35 -3.88 1.05	64.40 -5.19 1.22	63.62 -4.82 1.30	43.44 -4.24 5.69	41.92 -3.46 1.27	40.57 -2.61 1.11	45.09 -1.20 0.65
ESPRGFLD_115KV_TB1 80157	49.11 0.97 0.00	39.24 0.83 0.00	41.54 0.79 0.00	44.54 0.91 0.00	43.75 1.02 0.00	48.37 1.33 0.00	57.26 1.70 0.00	65.60 2.25 0.00	45.51 1.29 0.00	47.56 1.13 0.00	48.63 1.12 0.00	47.92 1.25 0.00	51.04 1.31 0.00	50.13 1.28 0.00	45.61 1.03 0.00	50.15 1.15 0.00	53.93 1.21 0.00	55.66 1.38 0.00	72.61 1.81 0.00	71.27 1.53 0.00	54.36 0.98 0.00	47.32 0.67 0.00	44.91 0.61 0.00	47.56 0.62 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	48.86 0.72 0.00	38.98 0.56 0.00	45.02 0.52 -3.75	44.30 0.67 0.00	43.39 0.66 0.00	48.01 0.97 0.00	56.74 1.19 0.00	65.42 2.06 0.00	45.49 1.26 0.00	47.15 0.72 0.00	47.79 0.27 0.00	46.79 0.13 0.00	49.72 -0.02 0.00	48.84 -0.01 0.00	44.50 -0.08 0.00	49.00 -0.01 0.00	52.84 0.12 0.00	54.87 0.58 0.00	71.95 1.14 0.00	70.90 1.16 0.00	72.83 0.72 -18.74	49.66 0.55 -2.46	44.79 0.49 0.00	47.55 0.60 0.00
ETNA____115KV_TB2 80207	48.86 0.72 0.00	38.98 0.56 0.00	45.02 0.52 -3.75	44.30 0.67 0.00	43.39 0.66 0.00	48.01 0.97 0.00	56.74 1.19 0.00	65.42 2.06 0.00	45.49 1.26 0.00	47.15 0.72 0.00	47.79 0.27 0.00	46.79 0.13 0.00	49.72 -0.02 0.00	48.84 -0.01 0.00	44.50 -0.08 0.00	49.00 -0.01 0.00	52.84 0.12 0.00	54.87 0.58 0.00	71.95 1.14 0.00	70.90 1.16 0.00	72.83 0.72 -18.74	49.66 0.55 -2.46	44.79 0.49 0.00	47.55 0.60 0.00
EUCLID__115KV_TB2 356179	47.17 -0.97 0.00	37.67 -0.75 0.00	39.90 -0.85 0.00	42.80 -0.84 0.00	41.90 -0.83 0.00	46.22 -0.82 0.00	54.59 -0.97 0.00	62.32 -1.04 0.00	43.46 -0.76 0.00	45.45 -0.98 0.00	46.33 -1.19 0.00	45.49 -1.16 0.00	48.47 -1.26 0.00	47.64 -1.21 0.00	43.47 -1.11 0.00	47.82 -1.18 0.00	51.47 -1.25 0.00	53.09 -1.19 0.00	69.27 -1.54 0.00	68.25 -1.50 0.00	52.16 -1.21 0.00	45.58 -1.07 0.00	43.28 -1.02 0.00	45.94 -1.00 0.00
E_CANADA_CAP_HY 24051	48.78 0.64 0.00	38.97 0.55 0.00	41.27 0.52 0.00	44.19 0.56 0.00	43.44 0.71 0.00	48.01 0.97 0.00	56.79 1.23 0.00	64.94 1.58 0.00	44.91 0.69 0.00	46.72 0.29 0.00	47.67 0.15 0.00	47.02 0.36 0.00	50.14 0.41 0.00	49.34 0.49 0.00	45.05 0.47 0.00	49.69 0.69 0.00	53.52 0.80 0.00	55.30 1.02 0.00	72.05 1.25 0.00	70.67 0.93 0.00	53.94 0.57 0.00	47.09 0.44 0.00	44.67 0.38 0.00	47.28 0.34 0.00
E_CANADA_MHWK_HY 24050	50.44 2.30 0.00	40.21 1.80 0.00	42.70 1.95 0.00	45.47 1.84 0.00	44.75 2.02 0.00	49.26 2.23 0.00	58.01 2.46 0.00	66.18 2.83 0.00	45.44 1.22 0.00	46.99 0.56 0.00	47.94 0.43 0.00	47.59 0.93 0.00	50.87 1.14 0.00	49.97 1.12 0.00	45.89 1.31 0.00	50.88 1.88 0.00	55.10 2.38 0.00	57.00 2.72 0.00	74.86 4.06 0.00	73.80 4.05 0.00	56.41 3.04 0.00	49.40 2.74 0.00	46.73 2.43 0.00	49.49 2.54 0.00
E_FISHKILL__LBMP 23776	50.28 2.15 0.00	39.95 1.53 0.00	42.22 1.48 0.00	44.99 1.36 0.00	44.14 1.40 0.00	48.54 1.50 0.00	56.98 1.42 0.00	65.27 1.92 0.00	45.89 1.66 0.00	48.59 2.16 0.00	50.30 2.78 0.00	49.61 2.94 0.00	52.69 2.95 0.00	51.77 2.92 0.00	47.23 2.65 0.00	51.53 2.52 0.00	55.06 2.34 0.00	56.36 2.08 0.00	73.59 2.79 0.00	72.23 2.48 0.00	55.26 1.89 0.00	48.31 1.66 0.00	45.93 1.63 0.00	48.64 1.70 0.00
FALCON__SEABRD_CC1 323796	48.61 0.47 0.00	38.80 0.38 0.00	41.38 0.63 0.00	44.37 0.74 0.00	43.38 0.64 0.00	47.86 0.83 0.00	57.05 1.50 0.00	64.74 1.39 0.00	44.99 0.77 0.00	47.17 0.74 0.00	48.66 1.15 0.00	47.68 1.02 0.00	50.71 0.97 0.00	49.77 0.92 0.00	45.66 1.08 0.00	49.96 0.96 0.00	53.58 0.86 0.00	55.18 0.90 0.00	72.35 1.55 0.00	71.28 1.54 0.00	54.56 1.19 0.00	47.66 1.01 0.00	45.47 1.17 0.00	48.29 1.35 0.00
FALCON__SEABRD_CC2 323797	48.61 0.47 0.00	38.80 0.38 0.00	41.38 0.63 0.00	44.37 0.74 0.00	43.38 0.64 0.00	47.86 0.83 0.00	57.05 1.50 0.00	64.74 1.39 0.00	44.99 0.77 0.00	47.17 0.74 0.00	48.66 1.15 0.00	47.68 1.02 0.00	50.71 0.97 0.00	49.77 0.92 0.00	45.66 1.08 0.00	49.96 0.96 0.00	53.58 0.86 0.00	55.18 0.90 0.00	72.35 1.55 0.00	71.28 1.54 0.00	54.56 1.19 0.00	47.66 1.01 0.00	45.47 1.17 0.00	48.29 1.35 0.00

FAR ROCKAWAY___4 23548	51.73 3.54 -0.05	44.42 2.57 -3.44	43.18 2.44 0.00	45.98 2.35 0.00	44.91 2.17 0.00	49.10 2.20 0.14	58.02 2.02 -0.44	66.70 2.83 -0.52	46.69 2.26 -0.21	49.47 3.04 0.00	51.62 4.07 -0.04	55.90 4.22 -5.02	57.29 4.46 -3.10	56.75 4.39 -3.51	55.49 3.93 -6.97	52.55 3.55 0.00	55.95 3.23 0.00	57.32 3.04 0.00	75.19 4.38 0.00	73.61 3.86 0.00	56.41 3.04 0.00	49.16 2.51 0.00	47.41 2.73 -0.39	49.78 2.84 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	51.06 2.92 0.00	40.49 2.08 0.00	42.73 1.99 0.00	45.52 1.89 0.00	44.67 1.94 0.00	49.22 2.18 0.00	57.80 2.24 0.00	66.31 2.95 0.00	46.62 2.40 0.00	49.47 3.03 0.00	51.28 3.76 0.00	50.61 3.95 0.00	53.76 4.02 0.00	52.79 3.94 0.00	48.18 3.60 0.00	52.50 3.50 0.00	56.03 3.31 0.00	57.28 3.00 0.00	74.85 4.05 0.00	73.42 3.68 0.00	56.12 2.74 0.00	49.04 2.39 0.00	46.63 2.33 0.00	49.33 2.38 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	51.08 2.94 0.00	40.51 2.10 0.00	42.76 2.01 0.00	45.55 1.91 0.00	44.69 1.96 0.00	49.23 2.20 0.00	57.82 2.27 0.00	66.33 2.98 0.00	46.65 2.43 0.00	49.48 3.05 0.00	51.29 3.77 0.00	50.62 3.96 0.00	53.77 4.04 0.00	52.81 3.96 0.00	48.19 3.61 0.00	52.52 3.51 0.00	56.04 3.32 0.00	57.30 3.03 0.00	74.86 4.06 0.00	73.45 3.71 0.00	56.15 2.77 0.00	49.06 2.41 0.00	46.64 2.35 0.00	49.35 2.41 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	51.03 2.89 0.00	40.47 2.06 0.00	42.72 1.97 0.00	45.51 1.88 0.00	44.65 1.92 0.00	49.18 2.15 0.00	57.77 2.21 0.00	66.27 2.91 0.00	46.61 2.39 0.00	49.44 3.01 0.00	51.25 3.73 0.00	50.58 3.92 0.00	53.72 3.99 0.00	52.77 3.92 0.00	48.16 3.58 0.00	52.48 3.48 0.00	56.00 3.28 0.00	57.26 2.98 0.00	74.80 4.00 0.00	73.37 3.63 0.00	56.09 2.71 0.00	49.00 2.35 0.00	46.60 2.30 0.00	49.30 2.36 0.00
FARRAGUT___LBMP 323566	51.00 2.87 0.00	40.45 2.04 0.00	42.70 1.95 0.00	45.49 1.85 0.00	44.63 1.90 0.00	49.17 2.14 0.00	57.74 2.19 0.00	66.23 2.87 0.00	46.57 2.34 0.00	49.39 2.96 0.00	51.21 3.70 0.00	50.54 3.88 0.00	53.68 3.95 0.00	52.72 3.87 0.00	48.12 3.53 0.00	52.43 3.43 0.00	55.95 3.23 0.00	57.22 2.94 0.00	74.74 3.94 0.00	73.33 3.59 0.00	56.05 2.67 0.00	48.98 2.33 0.00	46.58 2.28 0.00	49.27 2.33 0.00
FENNER___WINDPWR 24204	49.11 0.97 0.00	39.10 0.69 0.00	42.28 0.73 -0.80	44.49 0.86 0.00	43.62 0.89 0.00	48.20 1.17 0.00	57.13 1.58 0.00	65.39 2.03 0.00	45.51 1.28 0.00	47.33 0.90 0.00	48.07 0.56 0.00	47.14 0.47 0.00	50.22 0.49 0.00	49.36 0.51 0.00	45.03 0.45 0.00	49.63 0.63 0.00	53.62 0.90 0.00	55.48 1.20 0.00	72.61 1.80 0.00	71.44 1.70 0.00	59.15 1.16 -4.61	48.12 0.86 -0.61	45.03 0.73 0.00	47.69 0.75 0.00
FIBERTEK___ENERGY 23856	47.67 -0.47 0.00	38.05 -0.37 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.72 -0.31 0.00	55.20 -0.35 0.00	63.03 -0.33 0.00	43.91 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 -0.02	48.87 -0.87 0.00	48.01 -0.84 0.00	43.81 -0.77 0.00	48.21 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.13 -0.62 0.00	52.76 -0.62 0.00	46.09 -0.56 0.00	43.74 -0.56 0.00	46.40 -0.54 0.00
FITZPATRICK___ 23598	46.50 -1.64 0.00	37.15 -1.26 0.00	39.37 -1.38 0.00	42.20 -1.44 0.00	41.33 -1.40 0.00	45.55 -1.48 0.00	53.79 -1.77 0.00	61.38 -1.97 0.00	42.82 -1.40 0.00	44.81 -1.62 0.00	45.71 -1.81 0.00	44.70 -1.75 0.21	47.82 -1.91 0.00	46.98 -1.87 0.00	42.91 -1.67 0.00	47.17 -1.84 0.00	50.80 -1.92 0.00	52.39 -1.90 0.00	68.32 -2.48 0.00	67.33 -2.41 0.00	51.47 -1.90 0.00	44.99 -1.66 0.00	42.72 -1.58 0.00	45.30 -1.64 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	50.90 2.76 0.00	40.43 2.01 0.00	42.71 1.96 0.00	45.53 1.90 0.00	44.66 1.93 0.00	49.18 2.14 0.00	57.82 2.27 0.00	66.30 2.95 0.00	46.57 2.35 0.00	49.28 2.85 0.00	50.97 3.45 0.00	50.21 3.54 0.00	53.31 3.58 0.00	52.37 3.52 0.00	47.76 3.18 0.00	52.17 3.16 0.00	55.80 3.08 0.00	57.19 2.91 0.00	74.71 3.91 0.00	73.35 3.61 0.00	56.09 2.71 0.00	48.97 2.32 0.00	46.51 2.21 0.00	49.22 2.28 0.00
FORT ORANGE___ 23900	48.48 0.34 0.00	38.73 0.32 0.00	41.16 0.41 0.00	43.86 0.22 0.00	42.99 0.26 0.00	47.13 0.10 0.00	55.48 -0.07 0.00	63.15 -0.21 0.00	44.28 0.05 0.00	46.62 0.19 0.00	47.88 0.36 0.00	47.00 0.34 0.00	50.05 0.32 0.00	49.13 0.28 0.00	44.95 0.36 0.00	49.44 0.43 0.00	53.21 0.49 0.00	54.64 0.36 0.00	71.05 0.25 0.00	69.95 0.21 0.00	53.68 0.31 0.00	46.96 0.31 0.00	44.44 0.14 0.00	47.05 0.11 0.00
FORT_DRUM_COGEN 23780	50.40 2.26 0.00	40.16 1.75 0.00	42.63 1.87 0.00	45.80 2.16 0.00	44.90 2.17 0.00	49.75 2.71 0.00	59.04 3.49 0.00	67.69 4.34 0.00	46.83 2.61 0.00	47.90 1.47 0.00	47.67 0.15 0.00	46.58 -0.10 -0.02	49.64 -0.10 0.00	48.75 -0.11 0.00	44.45 -0.13 0.00	48.91 -0.09 0.00	53.15 0.44 0.00	56.63 2.35 0.00	75.03 4.22 0.00	74.06 4.32 0.00	56.27 2.89 0.00	48.65 2.00 0.00	46.14 1.85 0.00	48.60 1.66 0.00
FOX_HILLS___ESR 323835	50.91 2.78 0.00	40.74 2.32 0.00	42.97 2.22 0.00	45.76 2.12 0.00	44.91 2.19 0.00	49.50 2.46 0.00	58.07 2.52 0.00	66.44 3.08 0.00	46.76 2.54 0.00	49.53 3.10 0.00	51.22 3.71 0.00	50.52 3.85 0.00	53.67 3.93 0.00	52.66 3.81 0.00	48.07 3.49 0.00	52.31 3.30 0.00	55.77 3.05 0.00	57.22 2.94 0.00	74.72 3.92 0.00	73.29 3.55 0.00	56.07 2.70 0.00	49.01 2.36 0.00	46.49 2.20 0.00	49.27 2.33 0.00
FPL_FAR_ROCK_GT1 24212	51.73 3.54 -0.05	44.42 2.56 -3.44	43.18 2.44 0.00	45.98 2.34 0.00	44.90 2.17 0.00	49.10 2.20 0.14	58.02 2.02 -0.44	66.70 2.83 -0.52	46.69 2.25 -0.21	49.47 3.04 0.00	51.62 4.07 -0.04	55.91 4.23 -5.02	57.29 4.45 -3.10	56.75 4.39 -3.51	55.48 3.93 -6.97	52.54 3.53 0.00	55.95 3.23 0.00	57.32 3.04 0.00	75.17 4.37 0.00	73.61 3.86 0.00	56.41 3.03 0.00	49.15 2.50 0.00	47.41 2.72 -0.39	49.77 2.83 0.00
FPL_FAR_ROCK_GT2 23815	51.73 3.54 -0.05	44.42 2.56 -3.44	43.18 2.44 0.00	45.98 2.34 0.00	44.90 2.17 0.00	49.10 2.20 0.14	58.02 2.02 -0.44	66.70 2.83 -0.52	46.69 2.25 -0.21	49.47 3.04 0.00	51.62 4.07 -0.04	55.91 4.23 -5.02	57.29 4.45 -3.10	56.75 4.39 -3.51	55.48 3.93 -6.97	52.54 3.53 0.00	55.95 3.23 0.00	57.32 3.04 0.00	75.17 4.37 0.00	73.61 3.86 0.00	56.41 3.03 0.00	49.15 2.50 0.00	47.41 2.72 -0.39	49.77 2.83 0.00
FRANKLIN_FALL_HYD 24054	49.43 1.29 0.00	39.42 1.01 0.00	41.95 1.20 0.00	45.06 1.43 0.00	44.12 1.39 0.00	48.79 1.75 0.00	57.95 2.39 0.00	66.19 2.84 0.00	46.02 1.79 0.00	48.23 1.80 0.00	49.18 1.66 0.00	48.06 1.40 0.00	51.30 1.57 0.00	50.31 1.45 0.00	45.90 1.32 0.00	50.33 1.33 0.00	54.26 1.54 0.00	56.23 1.95 0.00	73.73 2.93 0.00	72.67 2.93 0.00	55.60 2.23 0.00	48.53 1.88 0.00	46.21 1.91 0.00	48.89 1.95 0.00

FRESHKLS_33_KV_LOAD 356253	51.00 2.86 0.00	41.12 2.70 -0.01	43.38 2.62 -0.01	46.19 2.55 -0.01	45.34 2.61 -0.01	49.94 2.90 0.00	58.58 3.02 0.00	66.81 3.45 0.00	46.98 2.75 0.00	49.72 3.29 0.00	51.39 3.88 0.00	50.66 4.00 0.00	53.86 4.13 0.00	52.84 3.99 0.00	48.22 3.64 0.00	52.49 3.49 0.00	55.98 3.26 0.00	57.47 3.19 0.00	75.02 4.22 0.00	73.61 3.87 0.00	56.31 2.93 0.00	49.19 2.54 0.00	46.64 2.35 0.00	49.43 2.49 0.00
FULTON COGEN____ 23766	47.06 -1.08 0.00	37.58 -0.83 0.00	39.82 -0.93 0.00	42.71 -0.93 0.00	41.82 -0.91 0.00	46.11 -0.92 0.00	54.47 -1.08 0.00	62.18 -1.17 0.00	43.39 -0.84 0.00	45.34 -1.09 0.00	46.14 -1.37 0.00	45.36 -1.35 -0.05	48.23 -1.51 0.00	47.37 -1.49 0.00	43.25 -1.34 0.00	47.57 -1.44 0.00	51.26 -1.46 0.00	53.00 -1.28 0.00	69.19 -1.62 0.00	68.17 -1.57 0.00	52.11 -1.27 0.00	45.53 -1.12 0.00	43.21 -1.09 0.00	45.83 -1.11 0.00
FULTON____LFGFE 323630	49.57 1.43 0.00	39.58 1.17 0.00	41.92 1.17 0.00	44.84 1.20 0.00	44.04 1.31 0.00	48.60 1.56 0.00	57.53 1.98 0.00	65.82 2.46 0.00	45.39 1.17 0.00	46.72 0.29 0.00	47.41 -0.11 0.00	46.71 0.05 0.00	49.98 0.25 0.00	49.21 0.36 0.00	45.26 0.67 0.00	50.21 1.21 0.00	54.23 1.52 0.00	56.22 1.94 0.00	73.33 2.53 0.00	72.05 2.31 0.00	55.05 1.68 0.00	48.05 1.40 0.00	45.50 1.20 0.00	48.14 1.20 0.00
G.F.CEMENT____DRP 24184	50.12 1.98 0.00	39.93 1.52 0.00	42.38 1.63 0.00	45.22 1.59 0.00	44.20 1.47 0.00	48.51 1.47 0.00	57.07 1.52 0.00	64.81 1.45 0.00	45.49 1.27 0.00	47.56 1.13 0.00	48.44 0.93 0.00	47.44 0.77 0.00	50.53 0.79 0.00	49.74 0.89 0.00	45.46 0.88 0.00	50.52 1.52 0.00	54.55 1.83 0.00	56.18 1.90 0.00	72.92 2.11 0.00	72.09 2.35 0.00	55.27 1.90 0.00	48.36 1.71 0.00	45.79 1.49 0.00	48.56 1.61 0.00
GARDENVILLE____LBMP 24039	46.31 -1.83 0.00	36.85 -1.56 0.00	37.63 -1.96 1.16	42.34 -1.29 0.00	41.29 -1.44 0.00	46.45 -0.59 0.00	53.80 -1.76 0.00	61.55 -1.80 0.00	42.72 -1.51 0.00	44.33 -2.10 0.00	44.69 -2.83 0.00	43.83 -2.83 0.00	47.51 -2.23 0.00	46.71 -2.14 0.00	42.02 -2.57 0.00	46.59 -2.42 0.00	49.28 -3.44 0.00	50.24 -4.04 0.00	65.40 -5.41 0.00	64.66 -5.08 0.00	43.64 -4.37 5.36	42.38 -3.57 0.70	41.56 -2.73 0.00	45.58 -1.36 0.00
GARDNVLA_35_KV_LD 355827	46.60 -1.54 0.00	37.07 -1.35 0.00	37.97 -1.76 1.02	42.57 -1.07 0.00	41.47 -1.26 0.00	46.64 -0.40 0.00	54.08 -1.48 0.00	61.91 -1.44 0.00	42.99 -1.24 0.00	44.70 -1.73 0.00	45.07 -2.45 0.00	44.19 -2.48 0.00	47.87 -1.87 0.00	47.09 -1.76 0.00	42.37 -2.22 0.00	46.96 -2.04 0.00	49.69 -3.03 0.00	50.60 -3.68 0.00	65.87 -4.93 0.00	65.16 -4.58 0.00	44.46 -4.06 4.86	42.72 -3.30 0.64	41.83 -2.47 0.00	45.84 -1.10 0.00
GELCKHM__115KV_LOAD 80723	47.37 -0.77 0.00	37.82 -0.60 0.00	40.06 -0.69 0.00	42.97 -0.66 0.00	42.07 -0.66 0.00	46.41 -0.62 0.00	54.81 -0.75 0.00	62.60 -0.76 0.00	43.64 -0.58 0.00	45.61 -0.81 0.00	46.47 -1.05 0.00	45.66 -1.01 -0.01	48.63 -1.10 0.00	47.79 -1.06 0.00	43.61 -0.97 0.00	47.97 -1.03 0.00	51.67 -1.05 0.00	53.37 -0.91 0.00	69.64 -1.16 0.00	68.61 -1.13 0.00	52.40 -0.98 0.00	45.77 -0.88 0.00	43.46 -0.84 0.00	46.12 -0.82 0.00
GENERAL____MILLS 23808	46.46 -1.68 0.00	36.96 -1.45 0.00	37.85 -1.86 1.04	42.45 -1.19 0.00	41.36 -1.37 0.00	46.51 -0.52 0.00	53.88 -1.67 0.00	61.66 -1.70 0.00	42.80 -1.42 0.00	44.50 -1.94 0.00	44.88 -2.64 0.00	44.00 -2.66 0.00	47.67 -2.06 0.00	46.90 -1.95 0.00	42.20 -2.39 0.00	46.78 -2.23 0.00	49.48 -3.24 0.00	50.37 -3.92 0.00	65.56 -5.25 0.00	64.87 -4.88 0.00	44.17 -4.27 4.94	42.52 -3.48 0.65	41.66 -2.63 0.00	45.69 -1.25 0.00
GE_PLASTICS____DRP 24183	48.55 0.41 0.00	38.77 0.36 0.00	41.19 0.44 0.00	43.92 0.29 0.00	43.03 0.30 0.00	47.18 0.14 0.00	55.51 -0.04 0.00	63.17 -0.18 0.00	44.30 0.07 0.00	46.68 0.25 0.00	47.95 0.43 0.00	47.12 0.46 0.00	50.17 0.43 0.00	49.28 0.43 0.00	45.04 0.45 0.00	49.48 0.48 0.00	53.20 0.48 0.00	54.58 0.30 0.00	70.99 0.19 0.00	69.89 0.15 0.00	53.64 0.27 0.00	46.91 0.26 0.00	44.46 0.16 0.00	47.11 0.16 0.00
GILBOA____1 23756	49.13 0.99 0.00	39.28 0.86 0.00	41.72 0.97 0.00	44.60 0.97 0.00	43.67 0.94 0.00	47.71 0.68 0.00	56.08 0.53 0.00	64.02 0.66 0.00	44.84 0.62 0.00	47.26 0.83 0.00	48.58 1.07 0.00	47.79 1.12 0.00	50.86 1.13 0.00	49.97 1.11 0.00	45.58 1.00 0.00	50.01 1.00 0.00	53.67 0.95 0.00	54.96 0.68 0.00	71.46 0.66 0.00	70.38 0.64 0.00	54.12 0.75 0.00	47.31 0.66 0.00	44.89 0.60 0.00	47.59 0.64 0.00
GILBOA____2 23757	49.13 0.99 0.00	39.28 0.86 0.00	41.72 0.97 0.00	44.60 0.97 0.00	43.67 0.94 0.00	47.71 0.68 0.00	56.08 0.53 0.00	64.02 0.66 0.00	44.84 0.62 0.00	47.26 0.83 0.00	48.58 1.07 0.00	47.79 1.12 0.00	50.86 1.13 0.00	49.97 1.11 0.00	45.58 1.00 0.00	50.01 1.00 0.00	53.67 0.95 0.00	54.96 0.68 0.00	71.46 0.66 0.00	70.38 0.64 0.00	54.12 0.75 0.00	47.31 0.66 0.00	44.89 0.60 0.00	47.59 0.64 0.00
GILBOA____3 23758	49.13 0.99 0.00	39.28 0.86 0.00	41.72 0.97 0.00	44.60 0.97 0.00	43.67 0.94 0.00	47.71 0.68 0.00	56.08 0.53 0.00	64.02 0.66 0.00	44.84 0.62 0.00	47.26 0.83 0.00	48.58 1.07 0.00	47.79 1.12 0.00	50.86 1.13 0.00	49.97 1.11 0.00	45.58 1.00 0.00	50.01 1.00 0.00	53.67 0.95 0.00	54.96 0.68 0.00	71.46 0.66 0.00	70.38 0.64 0.00	54.12 0.75 0.00	47.31 0.66 0.00	44.89 0.60 0.00	47.59 0.64 0.00
GILBOA____4 23759	49.13 0.99 0.00	39.28 0.86 0.00	41.72 0.97 0.00	44.60 0.97 0.00	43.67 0.94 0.00	47.71 0.68 0.00	56.08 0.53 0.00	64.02 0.66 0.00	44.84 0.62 0.00	47.26 0.83 0.00	48.58 1.07 0.00	47.79 1.12 0.00	50.86 1.13 0.00	49.97 1.11 0.00	45.58 1.00 0.00	50.01 1.00 0.00	53.67 0.95 0.00	54.96 0.68 0.00	71.46 0.66 0.00	70.38 0.64 0.00	54.12 0.75 0.00	47.31 0.66 0.00	44.89 0.60 0.00	47.59 0.64 0.00

GILBOA____ 23599	49.13 0.99 0.00	39.28 0.87 0.00	41.72 0.97 0.00	44.60 0.97 0.00	43.67 0.94 0.00	47.71 0.68 0.00	56.08 0.53 0.00	64.02 0.67 0.00	44.85 0.63 0.00	47.26 0.83 0.00	48.58 1.07 0.00	47.79 1.13 0.00	50.86 1.13 0.00	49.97 1.12 0.00	45.59 1.00 0.00	50.01 1.00 0.00	53.67 0.95 0.00	54.97 0.69 0.00	71.47 0.67 0.00	70.39 0.64 0.00	54.12 0.75 0.00	47.31 0.66 0.00	44.90 0.60 0.00	47.59 0.65 0.00
GINNA____ 23603	45.12 -2.98 0.05	35.85 -2.39 0.17	37.41 -2.68 0.66	40.89 -2.59 0.16	40.01 -2.55 0.17	44.47 -2.38 0.18	52.22 -2.93 0.40	59.96 -3.25 0.15	41.33 -2.42 0.47	43.11 -2.99 0.34	43.87 -3.47 0.18	43.08 -3.54 0.05	46.17 -3.56 0.00	45.19 -3.42 0.24	41.04 -3.29 0.25	45.21 -3.38 0.41	48.85 -3.61 0.26	50.34 -3.71 0.23	65.73 -4.80 0.27	64.78 -4.67 0.29	47.12 -3.85 2.41	42.87 -3.35 0.43	41.02 -3.03 0.25	43.99 -2.81 0.15
GLEN PARK____ 23778	50.56 2.42 0.00	40.29 1.87 0.00	42.74 2.00 0.00	45.94 2.31 0.00	45.05 2.32 0.00	49.95 2.91 0.00	59.31 3.76 0.00	68.01 4.66 0.00	47.04 2.81 0.00	47.97 1.54 0.00	47.59 0.08 -0.02	46.48 -0.19 0.00	49.52 -0.21 0.00	48.64 -0.21 0.00	44.37 -0.22 0.00	48.81 -0.20 0.00	53.09 0.37 0.00	56.81 2.53 0.00	75.41 4.61 0.00	74.42 4.68 0.00	56.53 3.15 0.00	48.85 2.20 0.00	46.32 2.02 0.00	48.79 1.84 0.00
GLENDALE_27_KV_LOAD 356172	50.98 2.85 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.52 1.88 0.00	44.67 1.94 0.00	49.22 2.19 0.00	57.72 2.17 0.00	66.20 2.85 0.00	46.62 2.39 0.00	49.52 3.09 0.00	51.29 3.77 0.00	50.58 3.92 0.00	53.67 3.94 0.00	52.72 3.87 0.00	48.16 3.57 0.00	52.43 3.42 0.00	55.86 3.15 0.00	57.19 2.91 0.00	74.68 3.88 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.05 2.40 0.00	46.56 2.26 0.00	49.36 2.42 0.00
GLENWOOD_IC_1_G5 23712	51.04 2.89 -0.01	41.80 2.15 -1.23	42.79 2.04 0.00	45.59 1.95 0.00	44.61 1.88 0.00	48.43 1.94 0.54	47.39 1.85 10.01	58.37 2.52 7.51	43.28 2.11 3.06	49.22 2.80 0.00	51.16 3.64 -0.01	52.28 3.85 -1.77	54.62 3.92 -0.96	54.01 3.90 -1.26	52.60 3.52 -4.50	51.82 3.23 0.42	53.37 2.97 2.32	56.67 2.72 0.33	74.62 3.81 0.00	73.12 3.37 0.00	56.00 2.62 0.00	48.86 2.21 0.00	47.02 2.32 -0.41	49.34 2.40 0.00
GLENWOOD_IC_2_G1 23688	50.85 2.71 0.00	40.43 1.98 -0.03	42.63 1.88 0.00	45.42 1.78 0.00	44.48 1.75 0.00	48.87 1.84 0.00	57.31 1.76 0.01	65.75 2.40 0.00	46.24 2.01 0.00	49.08 2.65 0.00	50.95 3.44 0.00	50.35 3.65 -0.05	53.45 3.70 -0.02	52.55 3.66 -0.03	48.07 3.32 -0.17	52.08 3.07 0.00	55.54 2.82 0.00	56.86 2.57 0.00	74.35 3.55 0.00	72.90 3.16 0.00	55.80 2.43 0.00	48.72 2.07 0.00	46.45 2.14 -0.02	49.16 2.22 0.00
GLENWOOD_IC_3_G1 23689	50.85 2.71 0.00	40.43 1.98 -0.03	42.63 1.88 0.00	45.42 1.78 0.00	44.48 1.75 0.00	48.87 1.84 0.00	57.31 1.76 0.01	65.75 2.40 0.00	46.24 2.01 0.00	49.08 2.65 0.00	50.95 3.44 0.00	50.35 3.65 -0.05	53.45 3.70 -0.02	52.55 3.66 -0.03	48.07 3.32 -0.17	52.08 3.07 0.00	55.54 2.82 0.00	56.86 2.57 0.00	74.35 3.55 0.00	72.90 3.16 0.00	55.80 2.43 0.00	48.72 2.07 0.00	46.45 2.14 -0.02	49.16 2.22 0.00
GLENWOOD____4 23550	51.04 2.89 -0.01	41.80 2.15 -1.23	42.79 2.04 0.00	45.59 1.95 0.00	44.61 1.88 0.00	48.43 1.94 0.54	47.39 1.85 10.01	58.37 2.52 7.51	43.28 2.11 3.06	49.22 2.80 0.00	51.16 3.64 -0.01	52.28 3.85 -1.77	54.62 3.92 -0.96	54.01 3.90 -1.26	52.60 3.52 -4.50	51.82 3.23 0.42	53.37 2.97 2.32	56.67 2.72 0.33	74.62 3.81 0.00	73.12 3.37 0.00	56.00 2.62 0.00	48.86 2.21 0.00	47.02 2.32 -0.41	49.34 2.40 0.00
GLENWOOD____5 23614	51.04 2.89 -0.01	41.80 2.15 -1.23	42.79 2.04 0.00	45.59 1.95 0.00	44.61 1.88 0.00	48.43 1.94 0.54	47.39 1.85 10.01	58.37 2.52 7.51	43.28 2.11 3.06	49.22 2.80 0.00	51.16 3.64 -0.01	52.28 3.85 -1.77	54.62 3.92 -0.96	54.01 3.90 -1.26	52.60 3.52 -4.50	51.82 3.23 0.42	53.37 2.97 2.32	56.67 2.72 0.33	74.62 3.81 0.00	73.12 3.37 0.00	56.00 2.62 0.00	48.86 2.21 0.00	47.02 2.32 -0.41	49.34 2.40 0.00
GLOBAL GREEN_PORT_GT1 23814	50.20 2.06 0.00	39.99 1.36 -0.21	41.89 1.14 0.00	44.63 0.99 0.00	43.50 0.77 0.00	45.98 0.46 1.52	26.31 0.16 29.40	41.80 0.41 21.97	35.90 0.63 8.95	47.90 1.47 0.00	49.65 2.13 0.00	49.64 2.70 -0.28	52.39 2.58 -0.07	51.91 2.84 -0.21	49.05 2.49 -1.98	49.41 1.79 1.38	46.44 1.41 7.69	54.40 1.22 1.10	73.23 2.42 0.00	72.02 2.27 0.00	55.59 2.21 0.00	48.20 1.55 0.00	46.53 2.00 -0.23	48.90 1.96 0.00
GLOBE____DSASP 323697	45.55 -2.59 0.00	36.28 -2.13 0.00	37.24 -2.58 0.93	41.67 -1.96 0.00	40.57 -2.16 0.00	45.51 -1.52 0.00	52.40 -3.16 0.00	59.26 -4.09 0.00	41.23 -2.99 0.00	42.83 -3.60 0.00	43.22 -4.30 0.00	42.32 -4.34 0.00	46.02 -3.71 0.00	45.37 -3.48 0.00	40.83 -3.75 0.00	45.26 -3.74 0.00	47.86 -4.86 0.00	48.43 -5.85 0.00	63.01 -7.80 0.00	62.38 -7.36 0.00	42.98 -6.06 4.34	41.13 -4.95 0.57	40.39 -3.90 0.00	44.64 -2.30 0.00
GOETHSLN____LBMP 323567	50.86 2.72 0.00	40.27 1.86 0.00	42.50 1.75 0.00	45.28 1.64 0.00	44.43 1.70 0.00	48.97 1.93 0.00	57.51 1.96 0.00	66.01 2.66 0.00	46.42 2.19 0.00	49.23 2.80 0.00	51.04 3.52 0.00	50.38 3.72 0.00	53.52 3.78 0.00	52.55 3.70 0.00	47.95 3.37 0.00	52.26 3.25 0.00	55.74 3.03 0.00	57.01 2.73 0.00	74.50 3.69 0.00	73.09 3.34 0.00	55.85 2.47 0.00	48.80 2.15 0.00	46.40 2.10 0.00	49.10 2.16 0.00
GOLAH____69_KV_TB 1_2 80279	47.53 -0.61 0.00	37.87 -0.55 0.00	39.36 -0.79 0.60	43.24 -0.40 0.00	42.33 -0.40 0.00	47.16 0.13 0.00	55.46 -0.09 0.00	63.17 -0.18 0.00	43.89 -0.33 0.00	45.50 -0.93 0.00	45.94 -1.57 0.00	44.96 -1.70 0.00	48.32 -1.41 0.00	47.49 -1.36 0.00	43.02 -1.56 0.00	47.62 -1.39 0.00	51.12 -1.61 0.00	52.62 -1.66 0.00	68.77 -2.03 0.00	67.93 -1.82 0.00	48.87 -1.79 2.72	44.81 -1.48 0.36	43.17 -1.13 0.00	46.50 -0.45 0.00
GOODYEAR_LAKE_HYD 323669	49.59 1.45 0.00	39.61 1.19 0.00	42.14 1.20 -0.20	44.93 1.30 0.00	44.07 1.34 0.00	48.59 1.56 0.00	57.38 1.83 0.00	65.69 2.34 0.00	45.76 1.54 0.00	47.98 1.56 0.00	49.19 1.67 0.00	48.43 1.76 0.00	51.57 1.83 0.00	50.64 1.79 0.00	46.10 1.51 0.00	50.61 1.61 0.00	54.41 1.69 0.00	55.99 1.71 0.00	73.01 2.21 0.00	71.79 2.05 0.00	54.83 1.46 0.00	47.75 1.09 0.00	45.31 1.02 0.00	48.01 1.07 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	48.35 0.21 0.00	38.49 0.08 0.00	40.39 -0.04 0.32	43.79 0.15 0.00	42.78 0.05 0.00	47.40 0.37 0.00	55.74 0.18 0.00	63.97 0.61 0.00	44.53 0.30 0.00	46.73 0.30 0.00	47.64 0.12 0.00	46.90 0.24 0.00	50.09 0.36 0.00	49.16 0.31 0.00	44.67 0.09 0.00	49.12 0.12 0.00	52.53 -0.19 0.00	54.08 -0.20 0.00	70.70 -0.10 0.00	69.71 -0.03 0.00	51.27 -0.24 1.87	46.14 -0.26 0.24	44.15 -0.14 0.00	47.08 0.13 0.00

GOUDEY___7 23579	48.35 0.21 0.00	38.49 0.08 0.00	40.39 -0.04 0.32	43.79 0.15 0.00	42.78 0.05 0.00	47.40 0.37 0.00	55.74 0.18 0.00	63.97 0.61 0.00	44.53 0.30 0.00	46.73 0.30 0.00	47.64 0.12 0.00	46.90 0.24 0.00	50.09 0.36 0.00	49.16 0.31 0.00	44.67 0.09 0.00	49.12 0.12 0.00	52.53 -0.19 0.00	54.08 -0.20 0.00	70.70 -0.10 0.00	69.71 -0.03 0.00	51.27 -0.24 1.87	46.14 -0.26 0.24	44.15 -0.14 0.00	47.08 0.13 0.00
GOUDEY___8 23580	48.35 0.21 0.00	38.49 0.08 0.00	40.39 -0.04 0.32	43.79 0.15 0.00	42.78 0.05 0.00	47.40 0.37 0.00	55.74 0.18 0.00	63.97 0.61 0.00	44.53 0.30 0.00	46.73 0.30 0.00	47.64 0.12 0.00	46.90 0.24 0.00	50.09 0.36 0.00	49.16 0.31 0.00	44.67 0.09 0.00	49.12 0.12 0.00	52.53 -0.19 0.00	54.08 -0.20 0.00	70.70 -0.10 0.00	69.71 -0.03 0.00	51.27 -0.24 1.87	46.14 -0.26 0.24	44.15 -0.14 0.00	47.08 0.13 0.00
GOWANUS_GT1_1 24077	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_2 24078	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_3 24079	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_4 24080	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_5 24084	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_6 24111	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_7 24112	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT1_8 24113	50.94 2.80 0.00	40.53 2.12 0.00	42.75 2.00 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.79 2.23 0.00	66.29 2.93 0.00	46.68 2.46 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.50 3.83 0.00	53.63 3.90 0.00	52.64 3.79 0.00	48.05 3.47 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.63 3.82 0.00	73.22 3.48 0.00	56.01 2.63 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.24 2.30 0.00
GOWANUS_GT2_1 24114	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT2_2 24115	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT2_3 24116	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT2_4 24117	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT2_5 24118	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00

GOWANUS_GT2_6 24119	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT2_7 24120	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT2_8 24121	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
GOWANUS_GT3_1 24122	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_2 24123	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_3 24124	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_4 24125	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_5 24126	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_6 24127	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_7 24128	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT3_8 24129	50.95 2.81 0.00	40.52 2.11 0.00	42.74 1.99 0.00	45.51 1.88 0.00	44.67 1.94 0.00	49.24 2.21 0.00	57.77 2.21 0.00	66.29 2.93 0.00	46.68 2.45 0.00	49.50 3.07 0.00	51.21 3.69 0.00	50.49 3.83 0.00	53.62 3.89 0.00	52.64 3.79 0.00	48.05 3.46 0.00	52.28 3.28 0.00	55.73 3.01 0.00	57.15 2.87 0.00	74.61 3.81 0.00	73.22 3.47 0.00	56.00 2.62 0.00	48.97 2.32 0.00	46.46 2.17 0.00	49.23 2.29 0.00
GOWANUS_GT4_1 24130	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GOWANUS_GT4_2 24131	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GOWANUS_GT4_3 24132	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GOWANUS_GT4_4 24133	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00

GOWANUS_GT4_5 24134	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GOWANUS_GT4_6 24135	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GOWANUS_GT4_7 24136	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GOWANUS_GT4_8 24137	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GREATVRV_69_KV_BK1 356245	51.76 3.62 0.00	41.35 2.60 -0.33	43.23 2.48 0.00	46.03 2.40 0.00	44.87 2.14 0.00	47.53 1.95 1.46	28.90 1.57 28.23	44.48 2.23 21.11	37.55 1.93 8.60	49.32 2.90 0.00	51.34 3.82 0.00	51.22 4.10 -0.46	53.87 3.95 -0.18	53.30 4.11 -0.34	50.55 3.77 -2.20	50.92 3.22 1.30	48.19 2.74 7.27	55.96 2.72 1.04	75.02 4.21 0.00	73.26 3.52 0.00	56.22 2.84 0.00	48.94 2.29 0.00	47.26 2.72 -0.24	49.74 2.79 0.00
GREENBSH_115KV_TB3 55895	48.21 0.07 0.00	38.52 0.11 0.00	40.94 0.19 0.00	43.62 -0.02 0.00	42.75 0.01 0.00	46.84 -0.19 0.00	55.12 -0.44 0.00	62.66 -0.69 0.00	43.97 -0.25 0.00	46.35 -0.08 0.00	47.61 0.10 0.00	46.77 0.11 0.00	49.80 0.07 0.00	48.93 0.08 0.00	44.73 0.14 0.00	49.18 0.18 0.00	52.92 0.20 0.00	54.29 0.01 0.00	70.55 -0.26 0.00	69.46 -0.28 0.00	53.33 -0.05 0.00	46.64 -0.01 0.00	44.18 -0.12 0.00	46.80 -0.14 0.00
GREENDGE_115KV_TB5 80291	47.39 -0.75 0.00	37.68 -0.73 0.00	37.00 -0.96 2.79	43.13 -0.51 0.00	42.12 -0.61 0.00	47.03 0.00 0.00	55.03 -0.53 0.00	63.41 0.06 0.00	44.08 -0.15 0.00	45.91 -0.52 0.00	46.27 -1.24 0.00	45.24 -1.43 0.00	48.49 -1.24 0.00	47.60 -1.25 0.00	43.10 -1.48 0.00	47.55 -1.45 0.00	50.61 -2.11 0.00	52.52 -1.76 0.00	68.94 -1.86 0.00	67.99 -1.75 0.00	39.42 -1.65 12.30	43.84 -1.20 1.62	43.37 -0.93 0.00	46.57 -0.37 0.00
GREENIDGE___3 23582	47.39 -0.75 0.00	37.68 -0.73 0.00	37.00 -0.96 2.79	43.13 -0.51 0.00	42.12 -0.61 0.00	47.03 0.00 0.00	55.03 -0.53 0.00	63.41 0.06 0.00	44.08 -0.15 0.00	45.91 -0.52 0.00	46.27 -1.24 0.00	45.24 -1.43 0.00	48.49 -1.24 0.00	47.60 -1.25 0.00	43.10 -1.48 0.00	47.55 -1.45 0.00	50.61 -2.11 0.00	52.52 -1.76 0.00	68.94 -1.86 0.00	67.99 -1.75 0.00	39.42 -1.65 12.30	43.84 -1.20 1.62	43.37 -0.93 0.00	46.57 -0.37 0.00
GREENIDGE___4 23583	47.56 -0.75 -0.17	38.33 -0.73 -0.64	37.58 -0.95 2.22	43.71 -0.50 -0.58	42.77 -0.60 -0.64	47.72 0.01 -0.68	56.54 -0.51 -1.50	63.96 0.06 -0.55	45.85 -0.13 -1.76	47.18 -0.50 -1.25	46.95 -1.24 -0.67	45.41 -1.43 -0.18	48.49 -1.24 0.00	48.50 -1.23 -0.88	44.06 -1.47 -0.94	49.02 -1.44 -1.46	51.59 -2.09 -0.96	53.35 -1.76 -0.82	69.91 -1.84 -0.95	69.01 -1.73 -1.01	40.02 -1.64 11.71	44.34 -1.19 1.13	44.25 -0.91 -0.86	47.08 -0.36 -0.50
GREENLWN_69_KV_BK 3 55738	50.75 2.62 0.00	40.57 1.88 -0.28	42.44 1.69 0.00	45.18 1.55 0.00	44.01 1.28 0.00	46.55 0.98 1.47	27.66 0.49 28.39	43.11 0.96 21.21	36.59 1.01 8.64	48.18 1.75 0.00	50.27 2.76 0.00	50.14 3.09 -0.39	52.84 2.97 -0.14	52.30 3.16 -0.29	49.57 2.87 -2.12	49.80 2.13 1.33	46.94 1.64 7.42	54.66 1.44 1.06	73.09 2.28 0.00	71.50 1.76 0.00	54.90 1.52 0.00	47.83 1.18 0.00	46.21 1.67 -0.24	48.72 1.78 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00
GRISSOM___SOLAR 323813	49.71 1.57 0.00	39.68 1.26 0.00	42.04 1.29 0.00	44.95 1.32 0.00	44.13 1.40 0.00	48.65 1.62 0.00	57.57 2.01 0.00	65.83 2.48 0.00	45.39 1.17 0.00	46.59 0.16 0.00	47.26 -0.25 0.00	46.54 -0.12 0.00	49.84 0.10 0.00	49.07 0.22 0.00	45.26 0.68 0.00	50.30 1.30 0.00	54.34 1.62 0.00	56.30 2.02 0.00	73.40 2.60 0.00	72.17 2.43 0.00	55.17 1.79 0.00	48.15 1.50 0.00	45.61 1.32 0.00	48.27 1.33 0.00
GROVEVILLE___HYD 323602	50.90 2.76 0.00	40.43 2.01 0.00	42.71 1.96 0.00	45.53 1.90 0.00	44.66 1.93 0.00	49.18 2.14 0.00	57.82 2.27 0.00	66.30 2.95 0.00	46.57 2.35 0.00	49.28 2.85 0.00	50.97 3.45 0.00	50.21 3.54 0.00	53.31 3.58 0.00	52.37 3.52 0.00	47.76 3.18 0.00	52.17 3.16 0.00	55.80 3.08 0.00	57.19 2.91 0.00	74.71 3.91 0.00	73.35 3.61 0.00	56.09 2.71 0.00	48.97 2.32 0.00	46.51 2.21 0.00	49.22 2.28 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	47.67 -0.47 0.00	38.05 -0.37 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.72 -0.31 0.00	55.20 -0.35 0.00	63.03 -0.33 0.00	43.91 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 -0.02	48.87 -0.87 0.00	48.01 -0.84 0.00	43.81 -0.77 0.00	48.21 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.13 -0.62 0.00	52.76 -0.62 0.00	46.09 -0.56 0.00	43.74 -0.56 0.00	46.40 -0.54 0.00
HAMLTNNY_34_KV_TB 80303	47.76 -0.38 0.00	38.14 -0.27 0.00	40.39 -0.36 0.00	43.34 -0.29 0.00	42.46 -0.28 0.00	46.91 -0.12 0.00	55.42 -0.13 0.00	63.15 -0.20 0.00	43.96 -0.26 0.00	45.87 -0.56 0.00	46.61 -0.91 0.00	45.80 -0.88 -0.02	48.80 -0.94 0.00	47.97 -0.88 0.00	43.74 -0.84 0.00	48.17 -0.83 0.00	51.94 -0.78 0.00	53.75 -0.53 0.00	70.23 -0.57 0.00	69.23 -0.51 0.00	52.84 -0.53 0.00	46.16 -0.49 0.00	43.83 -0.47 0.00	46.56 -0.38 0.00

HAMPSHIRE___PAPER_HYD 323593	50.08 1.94 0.00	39.90 1.48 0.00	42.37 1.62 0.00	45.49 1.85 0.00	44.59 1.85 0.00	49.26 2.22 0.00	58.14 2.59 0.00	66.50 3.15 0.00	46.12 1.90 0.00	47.98 1.55 0.00	48.40 0.88 0.00	47.37 0.70 -0.01	50.56 0.82 0.00	49.61 0.76 0.00	45.24 0.66 0.00	49.72 0.72 0.00	53.76 1.04 0.00	56.29 2.01 0.00	74.02 3.22 0.00	72.95 3.21 0.00	55.62 2.25 0.00	48.46 1.81 0.00	46.09 1.80 0.00	48.61 1.67 0.00
HARDSCRABBLE_WT_PWR 323673	49.83 1.69 0.00	39.74 1.33 0.00	42.22 1.47 0.00	44.93 1.29 0.00	44.26 1.53 0.00	48.76 1.72 0.00	57.44 1.89 0.00	65.48 2.13 0.00	45.00 0.78 0.00	46.77 0.34 0.00	47.82 0.30 0.00	47.43 0.76 0.00	50.68 0.95 0.00	49.77 0.91 0.00	45.63 1.05 0.00	50.52 1.51 0.00	54.59 1.87 0.00	56.45 2.17 0.00	74.02 3.22 0.00	72.89 3.15 0.00	55.69 2.31 0.00	48.76 2.11 0.00	46.16 1.86 0.00	48.88 1.94 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	50.77 2.63 0.00	40.28 1.87 0.00	42.56 1.81 0.00	45.37 1.74 0.00	44.54 1.81 0.00	49.07 2.04 0.00	57.68 2.13 0.00	66.16 2.80 0.00	46.48 2.25 0.00	49.19 2.76 0.00	50.91 3.39 0.00	50.20 3.54 0.00	53.34 3.60 0.00	52.41 3.56 0.00	47.76 3.18 0.00	52.11 3.11 0.00	55.69 2.97 0.00	57.04 2.76 0.00	74.59 3.79 0.00	73.20 3.46 0.00	55.93 2.55 0.00	48.83 2.17 0.00	46.39 2.09 0.00	49.12 2.18 0.00
HARSNRAD_115KV_TB1 81005	46.10 -2.04 0.00	36.70 -1.72 0.00	37.71 -2.13 0.91	42.14 -1.49 0.00	41.05 -1.68 0.00	46.08 -0.96 0.00	53.17 -2.39 0.00	60.51 -2.84 0.00	42.02 -2.21 0.00	43.56 -2.87 0.00	43.93 -3.58 0.00	43.10 -3.56 0.00	46.87 -2.87 0.00	45.98 -2.87 0.00	41.36 -3.22 0.00	45.89 -3.11 0.00	48.55 -4.17 0.00	49.37 -4.91 0.00	64.29 -6.52 0.00	63.65 -6.09 0.00	44.07 -5.08 4.23	41.96 -4.14 0.56	41.08 -3.22 0.00	45.23 -1.71 0.00
HARZA MOOSE___RIVER 24016	49.82 1.69 0.00	39.71 1.29 0.00	42.15 1.40 0.00	45.18 1.55 0.00	44.30 1.57 0.00	48.95 1.92 0.00	58.01 2.46 0.00	66.35 3.00 0.00	46.09 1.86 0.00	47.71 1.28 0.00	48.18 0.67 0.00	47.22 0.56 0.00	50.32 0.59 0.00	49.42 0.57 0.00	45.10 0.52 0.00	49.69 0.69 0.00	53.81 1.09 0.00	56.16 1.88 0.00	73.76 2.96 0.00	72.65 2.91 0.00	55.34 1.96 0.00	48.07 1.41 0.00	45.54 1.25 0.00	48.07 1.13 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	47.35 -0.79 0.00	37.81 -0.61 0.00	40.04 -0.71 0.00	42.93 -0.70 0.00	42.05 -0.68 0.00	46.40 -0.63 0.00	54.81 -0.74 0.00	62.65 -0.71 0.00	43.67 -0.55 0.00	45.66 -0.77 0.00	46.52 -1.00 0.01	45.69 -0.97 0.00	48.67 -1.06 0.00	47.84 -1.01 0.00	43.65 -0.94 0.00	48.01 -0.99 0.00	51.68 -1.04 0.00	53.33 -0.94 0.00	69.59 -1.21 0.00	68.56 -1.18 0.00	52.39 -0.98 0.00	45.76 -0.88 0.00	43.45 -0.85 0.00	46.10 -0.85 0.00
HELLGATE_13_KV_LD 55870	51.06 2.93 0.00	40.56 2.15 0.00	42.80 2.05 0.00	45.57 1.94 0.00	44.73 1.99 0.00	49.29 2.25 0.00	57.79 2.24 0.00	66.29 2.94 0.00	46.67 2.44 0.00	49.57 3.14 0.00	51.33 3.82 0.00	50.60 3.94 0.00	53.71 3.98 0.00	52.77 3.92 0.00	48.19 3.61 0.00	52.45 3.45 0.00	55.92 3.20 0.00	57.26 2.98 0.00	74.76 3.96 0.00	73.34 3.60 0.00	56.10 2.72 0.00	49.10 2.45 0.00	46.60 2.30 0.00	49.37 2.43 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	51.06 2.93 0.00	40.56 2.15 0.00	42.80 2.05 0.00	45.57 1.94 0.00	44.73 1.99 0.00	49.29 2.25 0.00	57.79 2.24 0.00	66.29 2.94 0.00	46.67 2.44 0.00	49.57 3.14 0.00	51.33 3.82 0.00	50.60 3.94 0.00	53.71 3.98 0.00	52.77 3.92 0.00	48.19 3.61 0.00	52.45 3.45 0.00	55.92 3.20 0.00	57.26 2.98 0.00	74.76 3.96 0.00	73.34 3.60 0.00	56.10 2.72 0.00	49.10 2.45 0.00	46.60 2.30 0.00	49.37 2.43 0.00
HEMPSTEAD___ 23647	51.00 2.85 -0.01	41.75 2.06 -1.27	42.67 1.92 0.00	45.44 1.81 0.00	44.42 1.68 0.00	47.76 1.55 0.82	41.40 1.31 15.46	53.68 1.95 11.62	41.19 1.71 4.73	48.86 2.43 0.00	50.87 3.34 -0.01	52.08 3.59 -1.83	54.40 3.64 -1.03	53.78 3.63 -1.30	52.01 3.28 -4.15	51.21 2.83 0.63	51.73 2.51 3.50	56.03 2.24 0.50	74.08 3.28 0.00	72.54 2.80 0.00	55.64 2.26 0.00	48.51 1.86 0.00	46.75 2.10 -0.35	49.11 2.17 0.00
HICKLING___1 23621	46.79 -1.35 0.00	37.05 -1.36 0.00	36.44 -1.70 2.61	42.53 -1.11 0.00	41.32 -1.41 0.00	46.54 -0.49 0.00	54.43 -1.12 0.00	63.06 -0.30 0.00	43.57 -0.65 0.00	45.62 -0.81 0.00	46.03 -1.49 0.00	45.38 -1.28 0.00	48.81 -0.92 0.00	47.77 -1.08 0.00	43.09 -1.50 0.00	47.61 -1.39 0.00	50.26 -2.46 0.00	51.87 -2.41 0.00	67.99 -2.81 0.00	67.12 -2.63 0.00	39.16 -2.54 11.68	42.93 -2.19 1.54	42.60 -1.70 0.00	46.12 -0.82 0.00
HICKLING___2 23622	46.79 -1.35 0.00	37.05 -1.36 0.00	36.44 -1.70 2.61	42.53 -1.11 0.00	41.32 -1.41 0.00	46.54 -0.49 0.00	54.43 -1.12 0.00	63.06 -0.30 0.00	43.57 -0.65 0.00	45.62 -0.81 0.00	46.03 -1.49 0.00	45.38 -1.28 0.00	48.81 -0.92 0.00	47.77 -1.08 0.00	43.09 -1.50 0.00	47.61 -1.39 0.00	50.26 -2.46 0.00	51.87 -2.41 0.00	67.99 -2.81 0.00	67.12 -2.63 0.00	39.16 -2.54 11.68	42.93 -2.19 1.54	42.60 -1.70 0.00	46.12 -0.82 0.00
HIGH FALLS___HY 23754	50.98 2.84 0.00	40.48 2.07 0.00	42.78 2.04 0.00	45.65 2.01 0.00	44.77 2.04 0.00	49.30 2.26 0.00	58.02 2.47 0.00	66.61 3.25 0.00	46.77 2.55 0.00	49.46 3.03 0.00	51.08 3.57 0.00	50.32 3.66 0.00	53.37 3.64 0.00	52.46 3.61 0.00	47.62 3.04 0.00	52.09 3.09 0.00	55.75 3.04 0.00	57.26 2.98 0.00	74.92 4.11 0.00	73.60 3.86 0.00	56.26 2.89 0.00	49.09 2.44 0.00	46.59 2.29 0.00	49.30 2.35 0.00
HIGH_RIVER___SOLAR 323847	49.53 1.39 0.00	39.54 1.12 0.00	41.91 1.16 0.00	44.81 1.17 0.00	43.97 1.24 0.00	48.48 1.44 0.00	57.31 1.76 0.00	65.45 2.09 0.00	45.15 0.93 0.00	46.69 0.26 0.00	47.56 0.04 0.00	46.75 0.08 0.00	49.86 0.12 0.00	49.12 0.27 0.00	44.95 0.36 0.00	49.75 0.74 0.00	53.98 1.26 0.00	55.99 1.71 0.00	73.05 2.24 0.00	71.81 2.07 0.00	54.92 1.54 0.00	47.93 1.28 0.00	45.41 1.11 0.00	48.09 1.14 0.00
HILLBURN___GT 23639	50.66 2.52 0.00	40.16 1.75 0.00	42.43 1.68 0.00	45.21 1.57 0.00	44.39 1.66 0.00	48.91 1.88 0.00	57.46 1.91 0.00	65.90 2.54 0.00	46.31 2.09 0.00	49.06 2.63 0.00	50.80 3.29 0.00	50.14 3.48 0.00	53.30 3.56 0.00	52.33 3.48 0.00	47.72 3.13 0.00	52.02 3.01 0.00	55.53 2.81 0.00	56.85 2.57 0.00	74.29 3.49 0.00	72.91 3.16 0.00	55.70 2.32 0.00	48.62 1.97 0.00	46.19 1.90 0.00	48.97 2.02 0.00
HILLSIDE_115KV_TB1 80332	46.26 -1.88 0.00	36.56 -1.86 0.00	36.05 -2.25 2.45	41.90 -1.74 0.00	40.62 -2.11 0.00	45.73 -1.31 0.00	53.42 -2.14 0.00	61.90 -1.46 0.00	42.81 -1.42 0.00	45.13 -1.30 0.00	45.64 -1.88 0.00	45.08 -1.58 0.00	48.44 -1.30 0.00	47.37 -1.49 0.00	42.73 -1.86 0.00	47.16 -1.84 0.00	49.67 -3.05 0.00	51.07 -3.21 0.00	66.98 -3.82 0.00	66.24 -3.50 0.00	39.16 -3.22 11.00	42.37 -2.83 1.45	42.00 -2.30 0.00	45.47 -1.47 0.00

HISHELDN_WT_PWR 323625	45.96 -2.17 0.00	36.60 -1.81 0.00	37.21 -2.19 1.35	42.09 -1.55 0.00	41.10 -1.63 0.00	46.28 -0.75 0.00	53.80 -1.76 0.00	61.72 -1.64 0.00	42.75 -1.48 0.00	44.19 -2.24 0.00	44.52 -3.00 0.00	43.69 -2.97 0.00	47.28 -2.45 0.00	46.50 -2.35 0.00	41.79 -2.80 0.00	46.36 -2.64 0.00	49.06 -3.66 0.00	50.31 -3.97 0.00	65.44 -5.36 0.00	64.56 -5.19 0.00	42.89 -4.39 6.10	42.27 -3.58 0.80	41.53 -2.77 0.00	45.46 -1.48 0.00
HOLTSVILLE_IC_1 23690	50.92 2.78 0.00	40.59 1.97 -0.20	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.58 1.06 1.52	26.74 0.68 29.50	42.35 1.04 22.04	36.28 1.04 8.98	48.32 1.89 0.00	50.26 2.74 0.00	50.13 3.20 -0.27	52.82 3.02 -0.07	52.27 3.21 -0.21	49.49 2.94 -1.97	49.80 2.17 1.38	46.69 1.68 7.71	54.62 1.44 1.10	73.17 2.37 0.00	71.56 1.81 0.00	54.99 1.62 0.00	47.93 1.28 0.00	46.37 1.84 -0.23	48.84 1.90 0.00
HOLTSVILLE_IC_10 23699	51.12 2.98 0.00	40.76 2.11 -0.23	42.69 1.94 0.00	45.45 1.82 0.00	44.27 1.54 0.00	46.78 1.25 1.50	27.36 0.90 29.10	42.91 1.30 21.74	36.60 1.23 8.86	48.55 2.12 0.00	50.50 2.98 0.00	50.42 3.44 -0.32	53.08 3.25 -0.09	52.55 3.46 -0.24	49.76 3.15 -2.02	50.04 2.40 1.36	47.02 1.91 7.61	54.89 1.69 1.08	73.53 2.72 0.00	71.91 2.16 0.00	55.25 1.87 0.00	48.16 1.51 0.00	46.57 2.04 -0.24	49.03 2.10 0.00
HOLTSVILLE_IC_2 23691	50.92 2.78 0.00	40.59 1.97 -0.20	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.58 1.06 1.52	26.74 0.68 29.50	42.35 1.04 22.04	36.28 1.04 8.98	48.32 1.89 0.00	50.26 2.74 0.00	50.13 3.20 -0.27	52.82 3.02 -0.07	52.27 3.21 -0.21	49.49 2.94 -1.97	49.80 2.17 1.38	46.69 1.68 7.71	54.62 1.44 1.10	73.17 2.37 0.00	71.56 1.81 0.00	54.99 1.62 0.00	47.93 1.28 0.00	46.37 1.84 -0.23	48.84 1.90 0.00
HOLTSVILLE_IC_3 23692	50.92 2.78 0.00	40.59 1.97 -0.20	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.58 1.06 1.52	26.74 0.68 29.50	42.35 1.04 22.04	36.28 1.04 8.98	48.32 1.89 0.00	50.26 2.74 0.00	50.13 3.20 -0.27	52.82 3.02 -0.07	52.27 3.21 -0.21	49.49 2.94 -1.97	49.80 2.17 1.38	46.69 1.68 7.71	54.62 1.44 1.10	73.17 2.37 0.00	71.56 1.81 0.00	54.99 1.62 0.00	47.93 1.28 0.00	46.37 1.84 -0.23	48.84 1.90 0.00
HOLTSVILLE_IC_4 23693	50.92 2.78 0.00	40.59 1.97 -0.20	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.58 1.06 1.52	26.74 0.68 29.50	42.35 1.04 22.04	36.28 1.04 8.98	48.32 1.89 0.00	50.26 2.74 0.00	50.13 3.20 -0.27	52.82 3.02 -0.07	52.27 3.21 -0.21	49.49 2.94 -1.97	49.80 2.17 1.38	46.69 1.68 7.71	54.62 1.44 1.10	73.17 2.37 0.00	71.56 1.81 0.00	54.99 1.62 0.00	47.93 1.28 0.00	46.37 1.84 -0.23	48.84 1.90 0.00
HOLTSVILLE_IC_5 23694	50.92 2.78 0.00	40.59 1.97 -0.20	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.58 1.06 1.52	26.74 0.68 29.50	42.35 1.04 22.04	36.28 1.04 8.98	48.32 1.89 0.00	50.26 2.74 0.00	50.13 3.20 -0.27	52.82 3.02 -0.07	52.27 3.21 -0.21	49.49 2.94 -1.97	49.80 2.17 1.38	46.69 1.68 7.71	54.62 1.44 1.10	73.17 2.37 0.00	71.56 1.81 0.00	54.99 1.62 0.00	47.93 1.28 0.00	46.37 1.84 -0.23	48.84 1.90 0.00
HOLTSVILLE_IC_6 23695	51.12 2.98 0.00	40.76 2.11 -0.23	42.69 1.94 0.00	45.45 1.82 0.00	44.27 1.54 0.00	46.78 1.25 1.50	27.36 0.90 29.10	42.91 1.30 21.74	36.60 1.23 8.86	48.55 2.12 0.00	50.50 2.98 0.00	50.42 3.44 -0.32	53.08 3.25 -0.09	52.55 3.46 -0.24	49.76 3.15 -2.02	50.04 2.40 1.36	47.02 1.91 7.61	54.89 1.69 1.08	73.53 2.72 0.00	71.91 2.16 0.00	55.25 1.87 0.00	48.16 1.51 0.00	46.57 2.04 -0.24	49.03 2.10 0.00
HOLTSVILLE_IC_7 23696	51.12 2.98 0.00	40.76 2.11 -0.23	42.69 1.94 0.00	45.45 1.82 0.00	44.27 1.54 0.00	46.78 1.25 1.50	27.36 0.90 29.10	42.91 1.30 21.74	36.60 1.23 8.86	48.55 2.12 0.00	50.50 2.98 0.00	50.42 3.44 -0.32	53.08 3.25 -0.09	52.55 3.46 -0.24	49.76 3.15 -2.02	50.04 2.40 1.36	47.02 1.91 7.61	54.89 1.69 1.08	73.53 2.72 0.00	71.91 2.16 0.00	55.25 1.87 0.00	48.16 1.51 0.00	46.57 2.04 -0.24	49.03 2.10 0.00
HOLTSVILLE_IC_8 23697	51.12 2.98 0.00	40.76 2.11 -0.23	42.69 1.94 0.00	45.45 1.82 0.00	44.27 1.54 0.00	46.78 1.25 1.50	27.36 0.90 29.10	42.91 1.30 21.74	36.60 1.23 8.86	48.55 2.12 0.00	50.50 2.98 0.00	50.42 3.44 -0.32	53.08 3.25 -0.09	52.55 3.46 -0.24	49.76 3.15 -2.02	50.04 2.40 1.36	47.02 1.91 7.61	54.89 1.69 1.08	73.53 2.72 0.00	71.91 2.16 0.00	55.25 1.87 0.00	48.16 1.51 0.00	46.57 2.04 -0.24	49.03 2.10 0.00
HOLTSVILLE_IC_9 23698	51.12 2.98 0.00	40.76 2.11 -0.23	42.69 1.94 0.00	45.45 1.82 0.00	44.27 1.54 0.00	46.78 1.25 1.50	27.36 0.90 29.10	42.91 1.30 21.74	36.60 1.23 8.86	48.55 2.12 0.00	50.50 2.98 0.00	50.42 3.44 -0.32	53.08 3.25 -0.09	52.55 3.46 -0.24	49.76 3.15 -2.02	50.04 2.40 1.36	47.02 1.91 7.61	54.89 1.69 1.08	73.53 2.72 0.00	71.91 2.16 0.00	55.25 1.87 0.00	48.16 1.51 0.00	46.57 2.04 -0.24	49.03 2.10 0.00
HOMER_HL_115KV_TB2 355744	47.05 -1.09 0.00	37.38 -1.04 0.00	38.20 -1.42 1.13	42.71 -0.92 0.00	41.69 -1.03 0.00	46.93 -0.10 0.00	54.51 -1.05 0.00	62.94 -0.42 0.00	43.75 -0.47 0.00	45.78 -0.65 0.00	46.38 -1.14 0.00	45.49 -1.18 0.00	49.00 -0.74 0.00	48.15 -0.70 0.00	43.40 -1.18 0.00	47.94 -1.07 0.00	50.47 -2.25 0.00	51.54 -2.74 0.00	67.38 -3.42 0.00	66.67 -3.08 0.00	44.36 -2.97 6.04	43.34 -2.51 0.79	42.42 -1.88 0.00	46.12 -0.82 0.00
HOWARD_WT_PWR 323690	46.15 -2.18 -0.19	37.34 -1.81 -0.74	36.66 -1.92 2.17	43.33 -0.97 -0.66	42.45 -1.01 -0.73	47.83 0.02 -0.77	56.86 -0.41 -1.72	64.65 0.62 -0.67	46.16 -0.23 -2.17	46.71 -1.26 -1.54	46.08 -2.26 -0.82	44.69 -2.19 -0.22	48.03 -1.70 0.00	48.31 -1.56 -1.02	43.69 -2.05 -1.16	48.86 -1.92 -1.78	51.03 -2.79 -1.10	52.80 -2.26 -0.78	68.63 -2.81 -0.63	67.40 -3.01 -0.68	39.59 -2.71 11.08	43.30 -2.17 1.18	43.20 -1.68 -0.58	46.54 -0.74 -0.34
HQ_GEN_CEDARS 23644	49.39 1.25 0.00	39.35 0.93 0.00	41.78 1.03 0.00	44.84 1.21 0.00	43.91 1.18 0.00	48.44 1.40 0.00	57.38 1.83 0.00	65.43 2.07 0.00	45.50 1.27 0.00	47.79 1.36 0.00	48.84 1.33 0.00	47.84 1.18 0.00	51.11 1.38 0.00	50.13 1.28 0.00	45.65 1.07 0.00	50.11 1.11 0.00	53.96 1.24 0.00	55.81 1.52 0.00	73.17 2.37 0.00	72.12 2.38 0.00	55.19 1.81 0.00	48.25 1.60 0.00	45.93 1.63 0.00	48.54 1.60 0.00
HQ_GEN_CEDARS_PROXY 323590	49.39 1.25 0.00	39.35 0.93 0.00	41.78 1.03 0.00	44.84 1.21 0.00	43.91 1.18 0.00	48.43 1.40 0.00	57.38 1.83 0.00	65.42 2.07 0.00	45.50 1.27 0.00	47.79 1.36 0.00	48.84 1.33 0.00	47.84 1.18 0.00	51.11 1.38 0.00	50.13 1.28 0.00	45.65 1.07 0.00	50.11 1.11 0.00	53.96 1.24 0.00	55.80 1.52 0.00	73.17 2.37 0.00	72.12 2.38 0.00	55.19 1.81 0.00	48.25 1.60 0.00	45.93 1.63 0.00	48.54 1.60 0.00

HQ_GEN_IMPORT 323601	48.46 0.32 0.00	38.64 0.23 0.00	41.01 0.26 0.00	43.97 0.33 0.00	43.04 0.31 0.00	47.55 0.38 -0.13	56.18 0.63 0.00	64.03 0.68 0.00	44.62 0.40 0.00	46.90 0.47 0.00	48.00 0.49 0.00	47.09 0.42 0.00	50.25 0.52 0.00	49.34 0.48 0.00	45.00 0.42 0.00	50.18 0.45 -0.72	53.21 0.49 0.00	54.84 0.56 0.00	71.66 0.85 0.00	70.58 0.84 0.00	54.01 0.63 0.00	47.21 0.56 0.00	44.87 0.57 0.00	47.49 0.55 0.00
HQ_GEN_WHEEL 23651	48.46 0.32 0.00	38.64 0.23 0.00	41.01 0.26 0.00	43.97 0.33 0.00	43.04 0.31 0.00	47.55 0.38 -0.13	56.18 0.63 0.00	64.03 0.68 0.00	44.62 0.40 0.00	46.90 0.47 0.00	48.00 0.49 0.00	47.09 0.42 0.00	50.25 0.52 0.00	49.34 0.48 0.00	45.00 0.42 0.00	50.18 0.45 -0.72	53.21 0.49 0.00	54.84 0.56 0.00	71.66 0.85 0.00	70.58 0.84 0.00	54.01 0.63 0.00	47.21 0.56 0.00	44.87 0.57 0.00	47.49 0.55 0.00
HUDSON AVE_GT_3 23810	51.07 2.93 0.00	40.50 2.09 0.00	42.74 2.00 0.00	45.54 1.91 0.00	44.67 1.94 0.00	49.22 2.18 0.00	57.81 2.26 0.00	66.32 2.96 0.00	46.64 2.42 0.00	49.47 3.04 0.00	51.29 3.77 0.00	50.62 3.96 0.00	53.77 4.04 0.00	52.81 3.96 0.00	48.20 3.62 0.00	52.52 3.52 0.00	56.04 3.33 0.00	57.30 3.03 0.00	74.86 4.06 0.00	73.45 3.71 0.00	56.15 2.77 0.00	49.05 2.40 0.00	46.64 2.35 0.00	49.34 2.40 0.00
HUDSON AVE_GT_4 23540	51.07 2.93 0.00	40.50 2.09 0.00	42.74 2.00 0.00	45.54 1.91 0.00	44.67 1.94 0.00	49.22 2.18 0.00	57.81 2.26 0.00	66.32 2.96 0.00	46.64 2.42 0.00	49.47 3.04 0.00	51.29 3.77 0.00	50.62 3.96 0.00	53.77 4.04 0.00	52.81 3.96 0.00	48.20 3.62 0.00	52.52 3.52 0.00	56.04 3.33 0.00	57.30 3.03 0.00	74.86 4.06 0.00	73.45 3.71 0.00	56.15 2.77 0.00	49.05 2.40 0.00	46.64 2.35 0.00	49.34 2.40 0.00
HUDSON AVE_GT_5 23657	51.07 2.93 0.00	40.50 2.09 0.00	42.74 2.00 0.00	45.54 1.91 0.00	44.67 1.94 0.00	49.22 2.18 0.00	57.81 2.26 0.00	66.32 2.96 0.00	46.64 2.42 0.00	49.47 3.04 0.00	51.29 3.77 0.00	50.62 3.96 0.00	53.77 4.04 0.00	52.81 3.96 0.00	48.20 3.62 0.00	52.52 3.52 0.00	56.04 3.33 0.00	57.30 3.03 0.00	74.86 4.06 0.00	73.45 3.71 0.00	56.15 2.77 0.00	49.05 2.40 0.00	46.64 2.35 0.00	49.34 2.40 0.00
HUDSON_AVE_10 24168	50.97 2.83 0.00	40.39 1.97 0.00	42.63 1.88 0.00	45.40 1.77 0.00	44.54 1.81 0.00	49.07 2.04 0.00	57.62 2.07 0.00	66.09 2.74 0.00	46.48 2.26 0.00	49.30 2.87 0.00	51.13 3.62 0.00	50.47 3.81 0.00	53.63 3.90 0.00	52.68 3.82 0.00	48.08 3.49 0.00	52.40 3.40 0.00	55.91 3.19 0.00	57.14 2.86 0.00	74.69 3.89 0.00	73.32 3.58 0.00	56.04 2.66 0.00	48.96 2.31 0.00	46.56 2.26 0.00	49.24 2.30 0.00
HUDSON___115KV_TB 4 355613	49.12 0.98 0.00	39.24 0.83 0.00	41.70 0.95 0.00	44.46 0.83 0.00	43.59 0.85 0.00	47.83 0.80 0.00	56.41 0.85 0.00	64.31 0.96 0.00	45.06 0.84 0.00	47.33 0.90 0.00	48.54 1.03 0.00	47.59 0.93 0.00	50.70 0.97 0.00	49.63 0.78 0.00	45.50 0.92 0.00	50.15 1.15 0.00	53.97 1.25 0.00	55.52 1.24 0.00	72.27 1.47 0.00	71.16 1.42 0.00	54.58 1.20 0.00	47.68 1.03 0.00	45.09 0.79 0.00	47.71 0.77 0.00
HUNTER MOUNT___DRP 323613	49.17 1.03 0.00	39.31 0.89 0.00	41.78 1.03 0.00	44.56 0.92 0.00	43.67 0.94 0.00	47.93 0.89 0.00	56.58 1.03 0.00	64.52 1.16 0.00	45.21 0.99 0.00	47.45 1.02 0.00	48.58 1.07 0.00	47.58 0.92 0.00	50.72 0.99 0.00	49.67 0.81 0.00	45.54 0.96 0.00	50.27 1.26 0.00	54.16 1.44 0.00	55.71 1.43 0.00	72.49 1.68 0.00	71.36 1.62 0.00	54.73 1.35 0.00	47.80 1.15 0.00	45.18 0.88 0.00	47.78 0.84 0.00
HUNTINGTON_RES_REC 323705	50.84 2.70 0.00	40.58 1.92 -0.24	42.49 1.74 0.00	45.24 1.60 0.00	44.05 1.32 0.00	46.55 1.01 1.50	27.22 0.57 28.91	42.75 1.00 21.60	36.45 1.02 8.80	48.25 1.83 0.00	50.31 2.79 0.00	50.18 3.19 -0.33	52.85 3.01 -0.10	52.32 3.22 -0.25	49.57 2.94 -2.05	49.80 2.15 1.36	46.82 1.66 7.56	54.67 1.47 1.08	73.20 2.39 0.00	71.60 1.85 0.00	54.98 1.60 0.00	47.91 1.25 0.00	46.30 1.77 -0.24	48.79 1.85 0.00
HUNTLEY___63 23557	46.43 -1.71 0.00	36.96 -1.46 0.00	37.92 -1.88 0.95	42.42 -1.22 0.00	41.31 -1.42 0.00	46.38 -0.65 0.00	53.55 -2.00 0.00	60.98 -2.38 0.00	42.36 -1.87 0.00	43.98 -2.45 0.00	44.35 -3.16 0.00	43.46 -3.21 0.00	47.21 -2.53 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.33 -2.67 0.00	49.01 -3.71 0.00	49.80 -4.48 0.00	64.86 -5.95 0.00	64.21 -5.53 0.00	44.18 -4.73 4.47	42.22 -3.85 0.59	41.36 -2.94 0.00	45.56 -1.38 0.00
HUNTLEY___64 23558	46.43 -1.71 0.00	36.96 -1.46 0.00	37.92 -1.88 0.95	42.42 -1.22 0.00	41.31 -1.42 0.00	46.38 -0.65 0.00	53.55 -2.00 0.00	60.98 -2.38 0.00	42.36 -1.87 0.00	43.98 -2.45 0.00	44.35 -3.16 0.00	43.46 -3.21 0.00	47.21 -2.53 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.33 -2.67 0.00	49.01 -3.71 0.00	49.80 -4.48 0.00	64.86 -5.95 0.00	64.21 -5.53 0.00	44.18 -4.73 4.47	42.22 -3.85 0.59	41.36 -2.94 0.00	45.56 -1.38 0.00
HUNTLEY___65 23559	46.43 -1.71 0.00	36.96 -1.46 0.00	37.92 -1.88 0.95	42.42 -1.22 0.00	41.31 -1.42 0.00	46.38 -0.65 0.00	53.55 -2.00 0.00	60.98 -2.38 0.00	42.36 -1.87 0.00	43.98 -2.45 0.00	44.35 -3.16 0.00	43.46 -3.21 0.00	47.21 -2.53 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.33 -2.67 0.00	49.01 -3.71 0.00	49.80 -4.48 0.00	64.86 -5.95 0.00	64.21 -5.53 0.00	44.18 -4.73 4.47	42.22 -3.85 0.59	41.36 -2.94 0.00	45.56 -1.38 0.00
HUNTLEY___66 23560	46.43 -1.71 0.00	36.96 -1.46 0.00	37.92 -1.88 0.95	42.42 -1.22 0.00	41.31 -1.42 0.00	46.38 -0.65 0.00	53.55 -2.00 0.00	60.98 -2.38 0.00	42.36 -1.87 0.00	43.98 -2.45 0.00	44.35 -3.16 0.00	43.46 -3.21 0.00	47.21 -2.53 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.33 -2.67 0.00	49.01 -3.71 0.00	49.80 -4.48 0.00	64.86 -5.95 0.00	64.21 -5.53 0.00	44.18 -4.73 4.47	42.22 -3.85 0.59	41.36 -2.94 0.00	45.56 -1.38 0.00
HUNTLEY___67 23561	46.03 -2.10 0.00	36.63 -1.78 0.00	37.57 -2.21 0.97	42.07 -1.56 0.00	40.99 -1.74 0.00	46.03 -1.00 0.00	53.25 -2.31 0.00	60.65 -2.71 0.00	42.13 -2.09 0.00	43.80 -2.63 0.00	44.21 -3.31 0.00	43.34 -3.33 0.00	47.03 -2.70 0.00	46.29 -2.57 0.00	41.66 -2.92 0.00	46.15 -2.85 0.00	48.83 -3.89 0.00	49.61 -4.67 0.00	64.58 -6.23 0.00	63.93 -5.81 0.00	43.86 -4.96 4.55	42.02 -4.03 0.60	41.19 -3.11 0.00	45.21 -1.73 0.00
HUNTLEY___68 23562	46.03 -2.10 0.00	36.63 -1.78 0.00	37.57 -2.21 0.97	42.07 -1.56 0.00	40.99 -1.74 0.00	46.03 -1.00 0.00	53.25 -2.31 0.00	60.65 -2.71 0.00	42.13 -2.09 0.00	43.80 -2.63 0.00	44.21 -3.31 0.00	43.34 -3.33 0.00	47.03 -2.70 0.00	46.29 -2.57 0.00	41.66 -2.92 0.00	46.15 -2.85 0.00	48.83 -3.89 0.00	49.61 -4.67 0.00	64.58 -6.23 0.00	63.93 -5.81 0.00	43.86 -4.96 4.55	42.02 -4.03 0.60	41.19 -3.11 0.00	45.21 -1.73 0.00

HYLAND___LFGE 323620	49.03 0.82 -0.07	39.22 0.52 -0.28	39.82 0.33 1.26	44.88 0.99 -0.25	44.03 1.03 -0.27	49.48 2.16 -0.29	58.79 2.59 -0.65	68.57 4.63 -0.58	47.40 1.29 -1.88	44.44 -3.33 -1.34	43.18 -5.05 -0.71	41.97 -4.89 -0.19	45.61 -4.13 0.00	48.61 -0.68 -0.44	44.88 -0.71 -1.01	49.96 -0.45 -1.40	51.66 -1.47 -0.41	54.51 -0.09 -0.32	71.95 0.83 -0.31	71.16 1.08 -0.33	47.54 0.44 6.27	46.36 0.40 0.69	45.15 0.57 -0.29	48.50 1.39 -0.17
INDECK___CORINTH 23802	49.50 1.36 0.00	39.45 1.04 0.00	41.87 1.12 0.00	44.68 1.05 0.00	43.69 0.96 0.00	47.90 0.86 0.00	56.34 0.79 0.00	64.00 0.65 0.00	44.91 0.69 0.00	46.96 0.53 0.00	47.92 0.40 0.00	46.93 0.27 0.00	50.00 0.27 0.00	49.21 0.36 0.00	44.97 0.39 0.00	49.92 0.92 0.00	53.84 1.12 0.00	55.48 1.20 0.00	72.03 1.23 0.00	71.17 1.43 0.00	54.53 1.15 0.00	47.71 1.06 0.00	45.25 0.96 0.00	47.97 1.02 0.00
INDECK___ILION 23567	49.15 1.01 0.00	39.22 0.81 0.00	41.61 0.87 0.00	44.42 0.79 0.00	43.62 0.89 0.00	48.02 0.99 0.00	56.63 1.07 0.00	64.60 1.24 0.00	44.76 0.54 0.00	46.71 0.28 0.00	47.77 0.25 0.00	47.14 0.48 0.00	50.30 0.57 0.00	49.40 0.55 0.00	45.21 0.63 0.00	49.88 0.88 0.00	53.82 1.10 0.00	55.52 1.24 0.00	72.64 1.83 0.00	71.52 1.78 0.00	54.70 1.33 0.00	47.83 1.18 0.00	45.32 1.02 0.00	48.01 1.07 0.00
INDECK___OLEAN 23982	46.72 -1.09 0.33	36.13 -1.02 1.26	37.10 -1.41 2.24	41.59 -0.91 1.14	40.45 -1.03 1.25	45.62 -0.09 1.32	51.58 -1.04 2.94	62.00 -0.42 0.94	40.75 -0.45 3.03	43.64 -0.64 2.15	45.24 -1.12 1.15	45.17 -1.19 0.31	49.00 -0.73 0.00	46.48 -0.67 1.70	41.78 -1.16 1.65	45.25 -1.05 2.71	48.62 -2.20 1.89	50.02 -2.73 1.53	65.78 -3.40 1.62	64.94 -3.07 1.74	43.36 -2.96 7.05	42.52 -2.50 1.63	40.97 -1.84 1.49	45.29 -0.78 0.87
INDECK___OSWEGO 23783	46.89 -1.25 0.00	37.47 -0.95 0.00	39.70 -1.05 0.00	42.55 -1.09 0.00	41.68 -1.05 0.00	45.95 -1.09 0.00	54.26 -1.29 0.00	61.90 -1.45 0.00	43.18 -1.05 0.00	45.10 -1.33 0.00	45.90 -1.61 0.00	45.15 -1.59 -0.07	47.98 -1.75 0.00	47.14 -1.71 0.00	43.06 -1.52 0.00	47.33 -1.67 0.00	51.01 -1.72 0.00	52.77 -1.51 0.00	68.92 -1.89 0.00	67.91 -1.83 0.00	51.93 -1.45 0.00	45.36 -1.29 0.00	43.05 -1.25 0.00	45.62 -1.32 0.00
INDECK___YERKES 23781	46.29 -1.66 0.19	36.31 -1.40 0.71	37.34 -1.84 1.58	41.82 -1.17 0.64	40.65 -1.38 0.71	45.68 -0.60 0.75	51.95 -1.95 1.66	60.49 -2.34 0.53	40.70 -1.81 1.71	42.82 -2.39 1.22	43.76 -3.11 0.65	43.34 -3.15 0.17	47.25 -2.48 0.00	45.51 -2.39 0.96	40.90 -2.75 0.93	44.86 -2.61 1.54	48.03 -3.63 1.07	48.94 -4.43 0.92	63.89 -5.84 1.07	63.11 -5.48 1.15	43.55 -4.68 5.14	41.70 -3.81 1.14	40.45 -2.87 0.98	45.06 -1.31 0.57
INDIAN POINT_GT_1 24139	50.53 2.39 0.00	40.10 1.68 0.00	42.36 1.61 0.00	45.13 1.49 0.00	44.29 1.56 0.00	48.77 1.73 0.00	57.27 1.72 0.00	65.67 2.32 0.00	46.16 1.93 0.00	48.89 2.46 0.00	50.64 3.13 0.00	49.97 3.30 0.00	53.09 3.35 0.00	52.14 3.29 0.00	47.56 2.98 0.00	51.85 2.85 0.00	55.37 2.65 0.00	56.68 2.40 0.00	74.05 3.25 0.00	72.67 2.93 0.00	55.55 2.17 0.00	48.52 1.87 0.00	46.12 1.83 0.00	48.86 1.92 0.00
INDIAN POINT_GT_2 23659	50.53 2.39 0.00	40.10 1.68 0.00	42.36 1.61 0.00	45.13 1.49 0.00	44.29 1.56 0.00	48.77 1.73 0.00	57.27 1.72 0.00	65.67 2.32 0.00	46.16 1.93 0.00	48.89 2.46 0.00	50.64 3.13 0.00	49.97 3.30 0.00	53.09 3.35 0.00	52.14 3.29 0.00	47.56 2.98 0.00	51.85 2.85 0.00	55.37 2.65 0.00	56.68 2.40 0.00	74.05 3.25 0.00	72.67 2.93 0.00	55.55 2.17 0.00	48.52 1.87 0.00	46.12 1.83 0.00	48.86 1.92 0.00
INDIAN POINT_GT_3 24019	50.53 2.39 0.00	40.10 1.68 0.00	42.36 1.61 0.00	45.13 1.49 0.00	44.29 1.56 0.00	48.77 1.73 0.00	57.27 1.72 0.00	65.67 2.32 0.00	46.16 1.93 0.00	48.89 2.46 0.00	50.64 3.13 0.00	49.97 3.30 0.00	53.09 3.35 0.00	52.14 3.29 0.00	47.56 2.98 0.00	51.85 2.85 0.00	55.37 2.65 0.00	56.68 2.40 0.00	74.05 3.25 0.00	72.67 2.93 0.00	55.55 2.17 0.00	48.52 1.87 0.00	46.12 1.83 0.00	48.86 1.92 0.00
INDIAN POINT___2 23530	50.52 2.38 0.00	40.07 1.66 0.00	42.32 1.58 0.00	45.11 1.47 0.00	44.28 1.55 0.00	48.76 1.73 0.00	57.27 1.71 0.00	65.67 2.31 0.00	46.14 1.91 0.00	48.88 2.45 0.00	50.61 3.09 0.00	49.95 3.29 0.00	53.09 3.35 0.00	52.12 3.26 0.00	47.54 2.95 0.00	51.82 2.82 0.00	55.33 2.62 0.00	56.64 2.36 0.00	74.02 3.22 0.00	72.65 2.90 0.00	55.50 2.13 0.00	48.47 1.82 0.00	46.08 1.78 0.00	48.83 1.88 0.00
INDIAN POINT___3 23531	50.54 2.40 0.00	40.11 1.69 0.00	42.37 1.62 0.00	45.15 1.52 0.00	44.29 1.56 0.00	48.77 1.74 0.00	57.27 1.71 0.00	65.67 2.31 0.00	46.15 1.92 0.00	48.89 2.46 0.00	50.64 3.13 0.00	49.97 3.30 0.00	53.09 3.35 0.00	52.15 3.29 0.00	47.57 2.98 0.00	51.86 2.85 0.00	55.37 2.65 0.00	56.67 2.39 0.00	74.05 3.25 0.00	72.65 2.91 0.00	55.54 2.17 0.00	48.52 1.87 0.00	46.13 1.83 0.00	48.86 1.92 0.00
INGHAM_C_115KV_TB7 356103	50.43 2.30 0.00	40.21 1.80 0.00	42.70 1.95 0.00	45.47 1.83 0.00	44.75 2.02 0.00	49.26 2.23 0.00	58.01 2.46 0.00	66.18 2.83 0.00	45.44 1.22 0.00	46.99 0.56 0.00	47.94 0.43 0.00	47.59 0.93 0.00	50.87 1.14 0.00	49.97 1.12 0.00	45.89 1.30 0.00	50.88 1.88 0.00	55.10 2.38 0.00	57.00 2.72 0.00	74.87 4.06 0.00	73.80 4.05 0.00	56.41 3.04 0.00	49.40 2.75 0.00	46.73 2.43 0.00	49.49 2.54 0.00
IP CORINTH___1 23988	49.76 1.62 0.00	39.65 1.23 0.00	42.08 1.33 0.00	44.91 1.27 0.00	43.92 1.19 0.00	48.15 1.11 0.00	56.67 1.12 0.00	64.37 1.02 0.00	45.17 0.95 0.00	47.23 0.80 0.00	48.16 0.64 0.00	47.16 0.50 0.00	50.26 0.53 0.00	49.46 0.61 0.00	45.21 0.63 0.00	50.18 1.18 0.00	54.13 1.41 0.00	55.79 1.50 0.00	72.41 1.61 0.00	71.57 1.83 0.00	54.84 1.46 0.00	47.99 1.34 0.00	45.48 1.18 0.00	48.20 1.26 0.00
IP___TICONDEROGA 23804	52.05 3.91 0.00	41.28 2.86 0.00	43.71 2.96 0.00	46.73 3.10 0.00	45.45 2.72 0.00	50.04 3.00 0.00	58.84 3.28 0.00	66.66 3.30 0.00	47.24 3.01 0.00	49.22 2.79 0.00	49.66 2.14 0.00	48.46 1.80 0.00	51.55 1.81 0.00	50.55 1.70 0.00	46.05 1.47 0.00	51.94 2.93 0.00	56.63 3.91 0.00	58.11 3.84 0.00	74.80 4.00 0.00	74.56 4.82 0.00	57.20 3.83 0.00	50.15 3.50 0.00	47.18 2.88 0.00	50.15 3.20 0.00
ISLIP_RES_REC 323679	51.28 3.14 0.00	40.91 2.24 -0.25	42.82 2.07 0.00	45.59 1.95 0.00	44.41 1.68 0.00	46.96 1.42 1.49	27.84 1.11 28.83	43.39 1.57 21.54	36.89 1.44 8.77	48.78 2.36 0.00	50.72 3.20 0.00	50.66 3.65 -0.35	53.33 3.48 -0.11	52.79 3.68 -0.26	50.01 3.37 -2.06	50.30 2.65 1.35	47.35 2.17 7.54	55.18 1.97 1.07	73.90 3.10 0.00	72.26 2.51 0.00	55.50 2.12 0.00	48.37 1.72 0.00	46.76 2.23 -0.24	49.21 2.27 0.00

JAMAICA__27_KV_LOAD 355505	51.31 3.16 0.00	40.51 2.09 0.00	42.76 2.02 0.00	45.52 1.89 0.00	44.68 1.95 0.00	49.25 2.22 0.00	57.72 2.17 0.00	66.19 2.83 0.00	46.50 2.28 0.00	49.32 2.89 0.00	51.19 3.67 0.00	50.56 3.90 0.00	53.79 4.06 0.00	52.87 4.02 0.00	48.26 3.68 0.00	52.62 3.62 0.00	56.14 3.42 0.00	57.33 3.05 0.00	75.01 4.21 0.00	73.75 4.01 0.00	56.37 3.00 0.00	49.28 2.63 0.00	46.89 2.59 0.00	49.54 2.60 0.00
JANIS__SOLAR 323808	50.05 1.82 -0.08	40.17 1.45 -0.31	45.07 1.47 -2.85	45.65 1.74 -0.28	44.80 1.77 -0.31	49.70 2.34 -0.33	59.19 2.91 -0.72	67.65 4.01 -0.28	47.43 2.31 -0.89	48.36 1.29 -0.64	48.61 0.75 -0.34	47.45 0.69 -0.09	50.34 0.61 0.00	49.81 0.53 -0.42	45.45 0.43 -0.44	50.29 0.62 -0.67	54.17 0.99 -0.47	56.63 1.95 -0.40	74.60 3.32 -0.48	73.47 3.22 -0.51	68.54 2.08 -13.08	50.14 1.57 -1.93	46.14 1.41 -0.44	48.66 1.46 -0.25
JARVIS____ 23743	48.27 0.13 0.00	38.53 0.11 0.00	40.87 0.12 0.00	43.72 0.09 0.00	42.83 0.09 0.00	47.12 0.08 0.00	55.59 0.03 0.00	63.41 0.05 0.00	44.27 0.05 0.00	46.46 0.03 0.00	47.56 0.05 0.00	46.74 0.08 0.00	49.78 0.05 0.00	48.90 0.05 0.00	44.66 0.07 0.00	49.10 0.10 0.00	52.83 0.11 0.00	54.37 0.09 0.00	70.87 0.07 0.00	69.82 0.08 0.00	53.44 0.06 0.00	46.70 0.05 0.00	44.30 0.00 0.00	46.95 0.01 0.00
JENNISON____1 23625	50.06 1.93 0.00	40.01 1.60 0.00	43.06 1.65 -0.66	45.53 1.89 0.00	44.63 1.90 0.00	49.47 2.44 0.00	58.43 2.88 0.00	66.78 3.43 0.00	46.25 2.02 0.00	48.25 1.82 0.00	49.19 1.68 0.00	48.57 1.90 0.00	51.76 2.03 0.00	50.76 1.91 0.00	46.11 1.53 0.00	50.76 1.75 0.00	54.71 1.99 0.00	56.77 2.49 0.00	74.29 3.49 0.00	73.03 3.29 0.00	58.35 1.90 -3.07	48.23 1.18 -0.40	45.37 1.07 0.00	47.94 1.00 0.00
JENNISON____2 23626	50.06 1.93 0.00	40.01 1.60 0.00	43.06 1.65 -0.66	45.53 1.89 0.00	44.63 1.90 0.00	49.47 2.44 0.00	58.43 2.88 0.00	66.78 3.43 0.00	46.25 2.02 0.00	48.25 1.82 0.00	49.19 1.68 0.00	48.57 1.90 0.00	51.76 2.03 0.00	50.76 1.91 0.00	46.11 1.53 0.00	50.76 1.75 0.00	54.71 1.99 0.00	56.77 2.49 0.00	74.29 3.49 0.00	73.03 3.29 0.00	58.35 1.90 -3.07	48.23 1.18 -0.40	45.37 1.07 0.00	47.94 1.00 0.00
JERICOHO_RISE_WT_PWR 323719	48.40 0.26 0.00	38.63 0.21 0.00	41.13 0.38 0.00	44.18 0.54 0.00	43.22 0.49 0.00	47.73 0.70 0.00	56.69 1.14 0.00	64.57 1.21 0.00	44.93 0.70 0.00	47.22 0.79 0.00	48.41 0.90 0.00	47.38 0.72 0.00	50.60 0.86 0.00	49.63 0.78 0.00	45.36 0.77 0.00	49.72 0.71 0.00	53.47 0.75 0.00	55.17 0.89 0.00	72.23 1.43 0.00	71.13 1.39 0.00	54.42 1.05 0.00	47.52 0.87 0.00	45.31 1.01 0.00	48.00 1.06 0.00
KATONAH__115KV_46KV_TB4 355592	50.72 2.59 0.00	40.27 1.85 0.00	42.55 1.80 0.00	45.34 1.70 0.00	44.46 1.73 0.00	48.97 1.93 0.00	57.53 1.97 0.00	65.97 2.61 0.00	46.37 2.15 0.00	49.11 2.68 0.00	50.84 3.33 0.00	50.16 3.50 0.00	53.29 3.55 0.00	52.34 3.49 0.00	47.75 3.17 0.00	52.07 3.07 0.00	55.63 2.90 0.00	56.98 2.69 0.00	74.43 3.62 0.00	73.05 3.31 0.00	55.84 2.46 0.00	48.77 2.12 0.00	46.35 2.05 0.00	49.07 2.13 0.00
KCE_NY_1 323755	49.87 1.73 0.00	39.76 1.35 0.00	42.23 1.49 0.00	45.08 1.45 0.00	44.13 1.40 0.00	48.47 1.44 0.00	57.12 1.57 0.00	65.00 1.64 0.00	45.42 1.20 0.00	47.57 1.14 0.00	48.61 1.10 0.00	47.69 1.02 0.00	50.82 1.09 0.00	50.01 1.16 0.00	45.73 1.15 0.00	50.57 1.57 0.00	54.48 1.76 0.00	56.16 1.88 0.00	72.99 2.18 0.00	71.93 2.19 0.00	55.15 1.77 0.00	48.22 1.57 0.00	45.68 1.38 0.00	48.43 1.49 0.00
KCE_NY_6_ESR 323823	46.26 -1.66 0.21	36.18 -1.42 0.82	37.16 -1.84 1.76	41.76 -1.14 0.73	40.58 -1.34 0.81	45.70 -0.48 0.85	52.00 -1.65 1.90	61.10 -1.66 0.60	40.89 -1.39 1.94	43.16 -1.89 1.38	44.17 -2.61 0.74	43.81 -2.65 0.20	47.67 -2.06 0.00	45.84 -1.91 1.10	41.17 -2.35 1.06	45.04 -2.22 1.75	48.32 -3.19 1.22	49.35 -3.88 1.05	64.40 -5.19 1.22	63.62 -4.82 1.30	43.44 -4.24 5.69	41.92 -3.46 1.27	40.57 -2.61 1.11	45.09 -1.20 0.65
KEDC_PORT_JEFF_GT2 24210	50.97 2.84 0.00	40.64 2.01 -0.22	42.58 1.83 0.00	45.32 1.69 0.00	44.16 1.43 0.00	46.64 1.11 1.51	27.01 0.69 29.24	42.51 1.00 21.85	36.34 1.02 8.90	48.35 1.92 0.00	50.34 2.83 0.00	50.26 3.29 -0.30	52.92 3.11 -0.09	52.39 3.31 -0.22	49.60 3.01 -2.00	49.83 2.20 1.37	46.72 1.65 7.65	54.58 1.38 1.09	73.10 2.30 0.00	71.49 1.75 0.00	54.94 1.56 0.00	47.93 1.28 0.00	46.41 1.88 -0.23	48.89 1.95 0.00
KEDC_PORT_JEFF_GT3 24211	50.97 2.84 0.00	40.64 2.01 -0.22	42.58 1.83 0.00	45.32 1.69 0.00	44.16 1.43 0.00	46.64 1.11 1.51	27.01 0.69 29.24	42.51 1.00 21.85	36.34 1.02 8.90	48.35 1.92 0.00	50.34 2.83 0.00	50.26 3.29 -0.30	52.92 3.11 -0.09	52.39 3.31 -0.22	49.60 3.01 -2.00	49.83 2.20 1.37	46.72 1.65 7.65	54.58 1.38 1.09	73.10 2.30 0.00	71.49 1.75 0.00	54.94 1.56 0.00	47.93 1.28 0.00	46.41 1.88 -0.23	48.89 1.95 0.00
KEDC_GLWD_GT4 24219	51.04 2.89 -0.01	41.80 2.15 -1.23	42.79 2.04 0.00	45.59 1.95 0.00	44.61 1.88 0.00	48.43 1.93 0.54	47.39 1.85 10.01	58.37 2.52 7.51	43.27 2.11 3.06	49.22 2.79 0.00	51.17 3.65 -0.01	52.29 3.86 -1.77	54.62 3.92 -0.96	54.01 3.90 -1.26	52.60 3.52 -4.50	51.82 3.23 0.42	53.37 2.97 2.32	56.67 2.72 0.33	74.60 3.80 0.00	73.12 3.37 0.00	55.99 2.61 0.00	48.86 2.21 0.00	47.01 2.31 -0.41	49.33 2.39 0.00
KEDC_GLWD_GT5 24220	51.04 2.89 -0.01	41.80 2.15 -1.23	42.79 2.04 0.00	45.59 1.95 0.00	44.61 1.88 0.00	48.43 1.93 0.54	47.39 1.85 10.01	58.37 2.52 7.51	43.27 2.11 3.06	49.22 2.79 0.00	51.17 3.65 -0.01	52.29 3.86 -1.77	54.62 3.92 -0.96	54.01 3.90 -1.26	52.60 3.52 -4.50	51.82 3.23 0.42	53.37 2.97 2.32	56.67 2.72 0.33	74.60 3.80 0.00	73.12 3.37 0.00	55.99 2.61 0.00	48.86 2.21 0.00	47.01 2.31 -0.41	49.33 2.39 0.00
KENSICO____ 23655	50.65 2.51 0.00	40.20 1.79 0.00	42.45 1.70 0.00	45.24 1.61 0.00	44.38 1.65 0.00	48.85 1.82 0.00	57.37 1.82 0.00	65.80 2.44 0.00	46.25 2.03 0.00	49.01 2.58 0.00	50.78 3.27 0.00	50.11 3.44 0.00	53.23 3.50 0.00	52.29 3.44 0.00	47.71 3.13 0.00	52.00 2.99 0.00	55.52 2.80 0.00	56.81 2.53 0.00	74.23 3.43 0.00	72.83 3.09 0.00	55.68 2.30 0.00	48.64 1.99 0.00	46.24 1.94 0.00	48.98 2.04 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	50.86 2.72 0.00	40.40 1.98 0.00	42.70 1.95 0.00	45.55 1.92 0.00	44.67 1.94 0.00	49.20 2.16 0.00	57.91 2.36 0.00	66.46 3.10 0.00	46.64 2.41 0.00	49.28 2.85 0.00	50.89 3.38 0.00	50.12 3.46 0.00	53.18 3.44 0.00	52.27 3.42 0.00	47.44 2.86 0.00	51.94 2.93 0.00	55.62 2.90 0.00	57.15 2.87 0.00	74.75 3.95 0.00	73.43 3.69 0.00	56.14 2.76 0.00	48.98 2.33 0.00	46.48 2.18 0.00	49.18 2.24 0.00

KIAC_JFK_GT1 23816	51.02 2.88 0.00	40.29 1.87 0.00	42.54 1.79 0.00	45.28 1.64 0.00	44.44 1.71 0.00	48.91 1.87 0.00	57.15 1.60 0.00	65.54 2.18 0.00	46.06 1.83 0.00	48.85 2.42 0.00	50.88 3.37 0.00	50.28 3.62 0.00	53.48 3.75 0.00	52.58 3.73 0.00	47.99 3.41 0.00	52.32 3.32 0.00	55.75 3.03 0.00	56.79 2.51 0.00	74.31 3.50 0.00	73.05 3.30 0.00	55.84 2.46 0.00	48.81 2.16 0.00	46.60 2.30 0.00	49.26 2.32 0.00
KIAC_JFK_GT2 23817	51.02 2.88 0.00	40.29 1.87 0.00	42.54 1.79 0.00	45.28 1.64 0.00	44.44 1.71 0.00	48.91 1.87 0.00	57.15 1.60 0.00	65.54 2.18 0.00	46.06 1.83 0.00	48.85 2.42 0.00	50.88 3.37 0.00	50.28 3.62 0.00	53.48 3.75 0.00	52.58 3.73 0.00	47.99 3.41 0.00	52.32 3.32 0.00	55.75 3.03 0.00	56.79 2.51 0.00	74.31 3.50 0.00	73.05 3.30 0.00	55.84 2.46 0.00	48.81 2.16 0.00	46.60 2.30 0.00	49.26 2.32 0.00
KIAC_JFK____ 323774	51.02 2.88 0.00	40.28 1.86 0.00	42.53 1.78 0.00	45.28 1.64 0.00	44.44 1.71 0.00	48.91 1.87 0.00	57.15 1.60 0.00	65.54 2.19 0.00	46.05 1.83 0.00	48.85 2.42 0.00	50.88 3.36 0.00	50.28 3.62 0.00	53.48 3.75 0.00	52.58 3.73 0.00	47.99 3.41 0.00	52.32 3.31 0.00	55.76 3.04 0.00	56.78 2.50 0.00	74.30 3.49 0.00	73.05 3.30 0.00	55.83 2.45 0.00	48.81 2.16 0.00	46.59 2.29 0.00	49.26 2.32 0.00
KINTIGH__24_KV_GSU 356498	46.07 -1.91 0.16	36.20 -1.60 0.61	37.41 -1.99 1.34	41.61 -1.47 0.55	40.52 -1.61 0.60	45.41 -0.99 0.64	52.03 -2.11 1.41	60.37 -2.52 0.46	40.83 -1.92 1.48	42.93 -2.45 1.05	43.93 -3.02 0.56	43.46 -3.06 0.15	47.21 -2.52 0.00	45.67 -2.36 0.82	41.13 -2.65 0.80	45.08 -2.60 1.32	48.33 -3.48 0.91	49.26 -4.24 0.79	64.29 -5.58 0.93	63.52 -5.23 1.00	44.59 -4.45 4.33	42.05 -3.63 0.97	40.64 -2.81 0.85	44.80 -1.64 0.50
KINTIGH____ 23543	46.21 -1.93 0.00	36.78 -1.64 0.00	37.91 -2.03 0.81	42.12 -1.51 0.00	41.08 -1.65 0.00	46.02 -1.01 0.00	53.39 -2.17 0.00	60.81 -2.55 0.00	42.25 -1.97 0.00	43.95 -2.48 0.00	44.45 -3.07 0.00	43.57 -3.09 0.00	47.19 -2.55 0.00	46.43 -2.42 0.00	41.88 -2.71 0.00	46.36 -2.65 0.00	49.18 -3.54 0.00	50.01 -4.27 0.00	65.16 -5.65 0.00	64.47 -5.27 0.00	45.11 -4.52 3.75	42.49 -3.67 0.49	41.44 -2.86 0.00	45.24 -1.70 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	48.92 0.78 0.00	39.03 0.62 0.00	41.60 0.85 0.00	44.63 0.99 0.00	43.64 0.91 0.00	48.21 1.18 0.00	57.51 1.96 0.00	65.28 1.92 0.00	45.41 1.18 0.00	47.53 1.10 0.00	48.80 1.29 0.00	47.79 1.12 0.00	50.88 1.15 0.00	49.91 1.06 0.00	45.73 1.15 0.00	50.12 1.11 0.00	53.92 1.20 0.00	55.68 1.39 0.00	73.07 2.27 0.00	72.02 2.28 0.00	55.10 1.72 0.00	48.09 1.44 0.00	45.80 1.51 0.00	48.59 1.64 0.00
LACHUTE____HYDRO 323717	52.05 3.91 0.00	41.28 2.86 0.00	43.71 2.96 0.00	46.73 3.10 0.00	45.45 2.72 0.00	50.04 3.00 0.00	58.83 3.28 0.00	66.66 3.30 0.00	47.24 3.01 0.00	49.22 2.79 0.00	49.66 2.14 0.00	48.46 1.80 0.00	51.54 1.81 0.00	50.55 1.70 0.00	46.05 1.46 0.00	51.94 2.93 0.00	56.63 3.91 0.00	58.11 3.83 0.00	74.79 3.99 0.00	74.56 4.82 0.00	57.21 3.83 0.00	50.15 3.50 0.00	47.18 2.89 0.00	50.15 3.20 0.00
LAWRNCALV_115KV_TB1 80681	49.88 1.74 0.00	39.73 1.31 0.00	42.21 1.46 0.00	45.31 1.68 0.00	44.40 1.67 0.00	49.02 1.98 0.00	57.94 2.39 0.00	66.13 2.78 0.00	45.94 1.71 0.00	48.13 1.70 0.00	48.96 1.44 0.00	47.88 1.22 0.00	51.17 1.44 0.00	50.18 1.33 0.00	45.72 1.14 0.00	50.18 1.18 0.00	54.10 1.38 0.00	56.14 1.85 0.00	73.56 2.75 0.00	72.49 2.75 0.00	55.40 2.02 0.00	48.50 1.85 0.00	46.25 1.96 0.00	48.84 1.90 0.00
LEDERLE____ 23769	50.86 2.72 0.00	40.32 1.91 0.00	42.58 1.83 0.00	45.38 1.75 0.00	44.56 1.82 0.00	49.10 2.06 0.00	57.69 2.14 0.00	66.18 2.82 0.00	46.54 2.31 0.00	49.29 2.86 0.00	51.04 3.53 0.00	50.36 3.70 0.00	53.53 3.80 0.00	52.57 3.72 0.00	47.94 3.36 0.00	52.28 3.27 0.00	55.80 3.08 0.00	57.11 2.83 0.00	74.62 3.82 0.00	73.23 3.48 0.00	55.94 2.56 0.00	48.83 2.18 0.00	46.40 2.10 0.00	49.17 2.22 0.00
LIGHTHSE_115KV_TB6 355974	48.11 -0.03 0.00	38.41 0.00 0.00	40.71 -0.04 0.00	43.68 0.04 0.00	42.80 0.07 0.00	47.28 0.25 0.00	55.87 0.31 0.00	63.88 0.52 0.00	44.44 0.22 0.00	46.12 -0.31 0.00	46.58 -0.94 0.00	45.69 -1.00 -0.03	48.63 -1.11 0.00	47.77 -1.08 0.00	43.60 -0.98 0.00	47.97 -1.04 0.00	51.76 -0.96 0.00	54.05 -0.23 0.00	70.94 0.14 0.00	69.94 0.19 0.00	53.38 0.00 0.00	46.50 -0.15 0.00	44.13 -0.17 0.00	46.70 -0.24 0.00
LINDEN COGEN____ 23786	40.87 2.69 9.96	39.48 1.82 0.75	39.00 1.72 3.48	39.52 1.60 5.72	39.90 1.67 4.50	44.96 1.89 3.96	57.09 1.91 0.37	64.41 2.62 1.56	34.77 2.15 11.60	39.61 2.77 9.59	51.00 3.48 0.00	50.34 3.68 0.00	53.47 3.74 0.00	40.82 3.65 11.68	40.55 3.33 7.36	40.77 3.21 11.44	48.95 2.98 6.75	56.96 2.68 0.00	74.44 3.63 0.00	73.05 3.30 0.00	51.05 2.43 4.75	40.19 2.11 8.58	39.64 2.06 6.71	40.07 2.12 8.99
LINDHRST_69_KV_BK1 356055	51.63 3.49 0.00	41.62 2.51 -0.69	43.11 2.36 0.00	45.90 2.27 0.00	44.78 2.06 0.00	47.65 1.89 1.28	32.54 1.62 24.64	47.21 2.32 18.47	38.70 2.00 7.52	49.26 2.83 0.00	51.30 3.77 0.00	51.69 4.04 -0.99	54.27 4.02 -0.52	53.66 4.10 -0.71	51.15 3.70 -2.87	51.10 3.19 1.09	49.45 2.78 6.06	56.09 2.67 0.86	74.80 3.99 0.00	73.17 3.43 0.00	56.17 2.80 0.00	48.93 2.27 0.00	47.26 2.69 -0.27	49.69 2.75 0.00
LIPA_MISC_IPP 23656	50.89 2.75 0.00	40.57 1.94 -0.21	42.51 1.76 0.00	45.25 1.62 0.00	44.09 1.36 0.00	46.57 1.06 1.52	26.82 0.70 29.43	42.40 1.04 21.99	36.30 1.04 8.96	48.33 1.90 0.00	50.19 2.68 0.00	50.12 3.18 -0.28	52.80 2.99 -0.07	52.27 3.21 -0.21	49.49 2.93 -1.98	49.81 2.19 1.38	46.72 1.70 7.70	54.64 1.46 1.10	73.25 2.44 0.00	71.63 1.89 0.00	55.06 1.69 0.00	47.98 1.33 0.00	46.42 1.89 -0.23	48.86 1.92 0.00
LISF____SOLAR 323691	50.99 2.85 0.00	40.64 2.01 -0.21	42.58 1.83 0.00	45.34 1.70 0.00	44.16 1.43 0.00	46.66 1.14 1.52	27.02 0.82 29.36	42.59 1.17 21.94	36.41 1.12 8.94	48.42 2.00 0.00	50.28 2.76 0.00	50.23 3.28 -0.29	52.90 3.09 -0.08	52.36 3.29 -0.22	49.58 3.01 -1.99	49.89 2.26 1.38	46.83 1.79 7.68	54.74 1.56 1.09	73.39 2.58 0.00	71.77 2.03 0.00	55.16 1.78 0.00	48.07 1.42 0.00	46.51 1.98 -0.23	48.94 2.00 0.00
LITTLE FALLS____HYD 24013	50.43 2.30 0.00	40.21 1.80 0.00	42.70 1.95 0.00	45.47 1.83 0.00	44.75 2.02 0.00	49.26 2.23 0.00	58.01 2.46 0.00	66.18 2.83 0.00	45.44 1.22 0.00	46.99 0.56 0.00	47.94 0.43 0.00	47.59 0.93 0.00	50.87 1.14 0.00	49.97 1.12 0.00	45.89 1.30 0.00	50.88 1.88 0.00	55.10 2.38 0.00	57.00 2.72 0.00	74.87 4.06 0.00	73.80 4.05 0.00	56.41 3.04 0.00	49.40 2.75 0.00	46.73 2.43 0.00	49.49 2.54 0.00

LITTLRIV_115KV_TB1 356100	50.52 2.38 0.00	40.22 1.81 0.00	42.75 2.00 0.00	45.91 2.28 0.00	45.03 2.30 0.00	49.78 2.74 0.00	58.91 3.35 0.00	67.26 3.91 0.00	46.61 2.39 0.00	48.51 2.08 0.00	49.17 1.65 0.00	48.03 1.37 0.00	51.36 1.63 0.00	50.38 1.53 0.00	45.93 1.35 0.00	50.38 1.38 0.00	54.28 1.56 0.00	56.75 2.47 0.00	74.70 3.89 0.00	73.64 3.90 0.00	56.23 2.85 0.00	49.16 2.51 0.00	46.84 2.54 0.00	49.43 2.49 0.00
LI_NEWBRDGE___DRP 323616	50.81 2.67 0.01	40.35 1.89 -0.04	42.48 1.73 0.00	45.24 1.61 0.00	44.17 1.44 0.00	46.71 1.31 1.63	24.84 0.98 31.69	41.17 1.51 23.69	35.96 1.39 9.65	48.57 2.14 0.00	50.59 3.08 0.00	50.03 3.34 -0.04	53.00 3.34 0.08	52.28 3.39 -0.04	49.29 3.05 -1.66	50.02 2.51 1.49	46.55 2.12 8.29	55.00 1.90 1.18	73.65 2.85 0.00	72.08 2.34 0.00	55.30 1.93 0.00	48.22 1.57 0.00	46.41 1.90 -0.22	48.91 1.97 0.00
LOCKPORT_115KV_TB60_63_64 80432	46.16 -1.98 0.00	36.76 -1.66 0.00	37.78 -2.08 0.89	42.19 -1.44 0.00	41.09 -1.64 0.00	46.11 -0.92 0.00	53.18 -2.37 0.00	60.52 -2.84 0.00	42.02 -2.20 0.00	43.56 -2.87 0.00	43.93 -3.59 0.00	43.11 -3.56 0.00	46.90 -2.83 0.00	45.94 -2.91 0.00	41.33 -3.25 0.00	45.88 -3.12 0.00	48.55 -4.17 0.00	49.39 -4.89 0.00	64.32 -6.48 0.00	63.70 -6.04 0.00	44.22 -5.02 4.14	42.02 -4.09 0.54	41.09 -3.21 0.00	45.27 -1.67 0.00
LOCKPORT___CC1 323769	45.94 -2.04 0.16	36.12 -1.69 0.60	37.20 -2.11 1.44	41.61 -1.48 0.55	40.47 -1.67 0.60	45.45 -0.95 0.63	51.77 -2.37 1.41	60.07 -2.84 0.45	40.58 -2.19 1.46	42.53 -2.86 1.04	43.40 -3.56 0.55	42.97 -3.54 0.15	46.87 -2.86 0.00	45.19 -2.85 0.82	40.59 -3.20 0.80	44.60 -3.09 1.31	47.69 -4.13 0.90	48.59 -4.90 0.78	63.41 -6.48 0.92	62.68 -6.08 0.98	43.46 -5.12 4.80	41.48 -4.14 1.03	40.26 -3.19 0.84	44.78 -1.67 0.49
LOCKPORT___CC2 323770	45.94 -2.04 0.16	36.12 -1.69 0.60	37.20 -2.11 1.44	41.61 -1.48 0.55	40.47 -1.67 0.60	45.45 -0.95 0.63	51.77 -2.37 1.41	60.07 -2.84 0.45	40.58 -2.19 1.46	42.53 -2.86 1.04	43.40 -3.56 0.55	42.97 -3.54 0.15	46.87 -2.86 0.00	45.19 -2.85 0.82	40.59 -3.20 0.80	44.60 -3.09 1.31	47.69 -4.13 0.90	48.59 -4.90 0.78	63.41 -6.48 0.92	62.68 -6.08 0.98	43.46 -5.12 4.80	41.48 -4.14 1.03	40.26 -3.19 0.84	44.78 -1.67 0.49
LOCKPORT___CC3 323771	45.94 -2.04 0.16	36.12 -1.69 0.60	37.20 -2.11 1.44	41.61 -1.48 0.55	40.47 -1.67 0.60	45.45 -0.95 0.63	51.77 -2.37 1.41	60.07 -2.84 0.45	40.58 -2.19 1.46	42.53 -2.86 1.04	43.40 -3.56 0.55	42.97 -3.54 0.15	46.87 -2.86 0.00	45.19 -2.85 0.82	40.59 -3.20 0.80	44.60 -3.09 1.31	47.69 -4.13 0.90	48.59 -4.90 0.78	63.41 -6.48 0.92	62.68 -6.08 0.98	43.46 -5.12 4.80	41.48 -4.14 1.03	40.26 -3.19 0.84	44.78 -1.67 0.49
LOCUSVLY_69_KV_BK2 55797	51.13 2.98 -0.01	41.60 2.19 -1.00	42.81 2.07 0.00	45.60 1.96 0.00	44.56 1.83 0.00	48.02 1.78 0.79	42.09 1.60 15.07	54.31 2.24 11.28	41.55 1.93 4.60	49.08 2.65 0.00	51.08 3.55 -0.01	51.90 3.81 -1.43	54.32 3.82 -0.76	53.73 3.86 -1.02	51.95 3.48 -3.88	51.40 3.06 0.66	51.79 2.75 3.68	56.29 2.53 0.52	74.44 3.64 0.00	72.90 3.16 0.00	55.86 2.49 0.00	48.72 2.07 0.00	46.95 2.29 -0.36	49.32 2.38 0.00
LONG_LAKE_PHOENIX 24014	47.06 -1.08 0.00	37.58 -0.83 0.00	39.82 -0.93 0.00	42.71 -0.93 0.00	41.82 -0.91 0.00	46.11 -0.92 0.00	54.47 -1.08 0.00	62.18 -1.17 0.00	43.39 -0.84 0.00	45.34 -1.09 0.00	46.14 -1.37 0.00	45.36 -1.35 -0.05	48.23 -1.51 0.00	47.37 -1.49 0.00	43.25 -1.34 0.00	47.57 -1.44 0.00	51.26 -1.46 0.00	53.00 -1.28 0.00	69.19 -1.62 0.00	68.17 -1.57 0.00	52.11 -1.27 0.00	45.53 -1.12 0.00	43.21 -1.09 0.00	45.83 -1.11 0.00
LOVETT___3 23632	50.56 2.42 0.00	40.11 1.69 0.00	42.36 1.61 0.00	45.14 1.51 0.00	44.31 1.58 0.00	48.80 1.77 0.00	57.30 1.75 0.00	65.71 2.35 0.00	46.16 1.94 0.00	48.91 2.48 0.00	50.65 3.13 0.00	49.99 3.33 0.00	53.13 3.40 0.00	52.17 3.31 0.00	47.58 3.00 0.00	51.88 2.87 0.00	55.39 2.68 0.00	56.69 2.41 0.00	74.08 3.28 0.00	72.69 2.95 0.00	55.55 2.18 0.00	48.52 1.87 0.00	46.13 1.83 0.00	48.88 1.93 0.00
LOVETT___4 23642	50.56 2.42 0.00	40.11 1.69 0.00	42.36 1.61 0.00	45.14 1.51 0.00	44.31 1.58 0.00	48.80 1.77 0.00	57.30 1.75 0.00	65.71 2.35 0.00	46.16 1.94 0.00	48.91 2.48 0.00	50.65 3.13 0.00	49.99 3.33 0.00	53.13 3.40 0.00	52.17 3.31 0.00	47.58 3.00 0.00	51.88 2.87 0.00	55.39 2.68 0.00	56.69 2.41 0.00	74.08 3.28 0.00	72.69 2.95 0.00	55.55 2.18 0.00	48.52 1.87 0.00	46.13 1.83 0.00	48.88 1.93 0.00
LOVETT___5 23593	50.56 2.42 0.00	40.11 1.69 0.00	42.36 1.61 0.00	45.14 1.51 0.00	44.31 1.58 0.00	48.80 1.77 0.00	57.30 1.75 0.00	65.71 2.35 0.00	46.16 1.94 0.00	48.91 2.48 0.00	50.65 3.13 0.00	49.99 3.33 0.00	53.13 3.40 0.00	52.17 3.31 0.00	47.58 3.00 0.00	51.88 2.87 0.00	55.39 2.68 0.00	56.69 2.41 0.00	74.08 3.28 0.00	72.69 2.95 0.00	55.55 2.18 0.00	48.52 1.87 0.00	46.13 1.83 0.00	48.88 1.93 0.00
LOWER RAQUET___HYD 24057	50.03 1.89 0.00	39.85 1.43 0.00	42.33 1.59 0.00	45.46 1.83 0.00	44.56 1.83 0.00	49.21 2.18 0.00	58.11 2.55 0.00	66.36 3.01 0.00	46.07 1.84 0.00	48.25 1.82 0.00	48.97 1.46 0.00	47.90 1.24 0.00	51.18 1.45 0.00	50.19 1.34 0.00	45.75 1.17 0.00	50.20 1.20 0.00	54.14 1.42 0.00	56.23 1.95 0.00	73.66 2.85 0.00	72.59 2.85 0.00	55.47 2.09 0.00	48.57 1.92 0.00	46.35 2.06 0.00	48.93 1.99 0.00
LOWER___HUDSON 24059	49.15 1.01 0.00	39.25 0.83 0.00	41.72 0.97 0.00	44.46 0.82 0.00	43.53 0.80 0.00	47.74 0.70 0.00	56.16 0.61 0.00	63.73 0.37 0.00	44.69 0.47 0.00	47.06 0.63 0.00	48.23 0.72 0.00	47.34 0.68 0.00	50.43 0.69 0.00	49.58 0.73 0.00	45.26 0.67 0.00	49.94 0.94 0.00	53.83 1.11 0.00	55.29 1.01 0.00	71.74 0.94 0.00	70.72 0.98 0.00	54.33 0.96 0.00	47.56 0.91 0.00	45.01 0.72 0.00	47.74 0.80 0.00
LOWVILLE_115KV_TB2 356335	50.15 2.01 0.00	39.97 1.56 0.00	42.44 1.69 0.00	45.52 1.89 0.00	44.64 1.91 0.00	49.35 2.32 0.00	58.49 2.94 0.00	66.94 3.59 0.00	46.40 2.18 0.00	47.84 1.41 0.00	48.08 0.56 0.00	47.10 0.43 -0.01	50.21 0.48 0.00	49.31 0.46 0.00	44.99 0.41 0.00	49.53 0.53 0.00	53.70 0.98 0.00	56.47 2.19 0.00	74.38 3.58 0.00	73.28 3.53 0.00	55.73 2.36 0.00	48.29 1.64 0.00	45.77 1.47 0.00	48.22 1.28 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	49.85 1.71 0.00	39.76 1.35 0.00	42.23 1.48 0.00	45.07 1.44 0.00	44.12 1.39 0.00	48.45 1.42 0.00	57.08 1.52 0.00	64.89 1.53 0.00	45.40 1.17 0.00	47.57 1.14 0.00	48.60 1.09 0.00	47.68 1.01 0.00	50.82 1.09 0.00	50.01 1.16 0.00	45.72 1.14 0.00	50.54 1.54 0.00	54.47 1.75 0.00	56.12 1.84 0.00	72.92 2.11 0.00	71.89 2.15 0.00	55.12 1.74 0.00	48.21 1.56 0.00	45.66 1.36 0.00	48.40 1.46 0.00

LUTHERNY_35_KV_BK2 355980	49.87 1.73 0.00	39.76 1.35 0.00	42.23 1.49 0.00	45.09 1.45 0.00	44.13 1.40 0.00	48.47 1.44 0.00	57.12 1.57 0.00	65.00 1.64 0.00	45.42 1.20 0.00	47.57 1.14 0.00	48.61 1.10 0.00	47.69 1.03 0.00	50.82 1.09 0.00	50.02 1.17 0.00	45.73 1.15 0.00	50.58 1.58 0.00	54.48 1.76 0.00	56.16 1.88 0.00	72.99 2.19 0.00	71.93 2.19 0.00	55.15 1.77 0.00	48.22 1.58 0.00	45.68 1.38 0.00	48.43 1.49 0.00
LWR___OSWEGATCHIE_HYD 23850	50.08 1.94 0.00	39.89 1.48 0.00	42.37 1.62 0.00	45.49 1.85 0.00	44.59 1.86 0.00	49.25 2.21 0.00	58.14 2.59 0.00	66.50 3.15 0.00	46.12 1.90 0.00	47.98 1.55 0.00	48.40 0.89 0.00	47.37 0.70 -0.01	50.56 0.82 0.00	49.61 0.76 0.00	45.24 0.66 0.00	49.72 0.72 0.00	53.76 1.04 0.00	56.30 2.01 0.00	74.02 3.22 0.00	72.95 3.21 0.00	55.62 2.25 0.00	48.46 1.81 0.00	46.09 1.80 0.00	48.61 1.67 0.00
LYONS_FALL_HYD 23570	49.82 1.69 0.00	39.70 1.29 0.00	42.15 1.40 0.00	45.19 1.55 0.00	44.30 1.57 0.00	48.95 1.92 0.00	58.01 2.46 0.00	66.35 3.00 0.00	46.09 1.87 0.00	47.71 1.28 0.00	48.18 0.67 0.00	47.22 0.56 0.00	50.32 0.59 0.00	49.43 0.57 0.00	45.11 0.52 0.00	49.69 0.69 0.00	53.82 1.10 0.00	56.16 1.88 0.00	73.76 2.96 0.00	72.65 2.91 0.00	55.34 1.96 0.00	48.06 1.41 0.00	45.54 1.25 0.00	48.07 1.13 0.00
MADISON___COUNTY_LFGE 323628	49.51 1.37 0.00	39.43 1.02 0.00	42.01 1.09 -0.18	44.85 1.22 0.00	43.98 1.25 0.00	48.62 1.59 0.00	57.71 2.15 0.00	66.03 2.68 0.00	45.95 1.73 0.00	47.68 1.25 0.00	48.32 0.81 0.00	47.36 0.70 0.00	50.47 0.73 0.00	49.59 0.74 0.00	45.26 0.68 0.00	49.93 0.93 0.00	54.02 1.30 0.00	55.91 1.63 0.00	73.21 2.40 0.00	72.03 2.29 0.00	56.03 1.61 -1.04	48.03 1.25 -0.14	45.36 1.07 0.00	48.02 1.08 0.00
MALONE___115KV_TB1 356076	49.43 1.29 0.00	39.42 1.01 0.00	41.95 1.20 0.00	45.06 1.43 0.00	44.12 1.39 0.00	48.79 1.75 0.00	57.95 2.39 0.00	66.19 2.84 0.00	46.02 1.79 0.00	48.23 1.80 0.00	49.18 1.66 0.00	48.06 1.40 0.00	51.30 1.57 0.00	50.31 1.45 0.00	45.90 1.32 0.00	50.33 1.33 0.00	54.26 1.54 0.00	56.23 1.95 0.00	73.73 2.93 0.00	72.67 2.93 0.00	55.60 2.23 0.00	48.53 1.88 0.00	46.21 1.91 0.00	48.89 1.95 0.00
MAPLEWOD_115KV_TB3 80458	48.91 0.77 0.00	39.07 0.65 0.00	41.52 0.77 0.00	44.24 0.60 0.00	43.36 0.63 0.00	47.56 0.53 0.00	55.97 0.41 0.00	63.62 0.26 0.00	44.62 0.39 0.00	46.97 0.54 0.00	48.19 0.68 0.00	47.29 0.63 0.00	50.38 0.65 0.00	49.55 0.70 0.00	45.26 0.68 0.00	49.83 0.83 0.00	53.67 0.95 0.00	55.11 0.83 0.00	71.60 0.79 0.00	70.52 0.78 0.00	54.13 0.75 0.00	47.36 0.71 0.00	44.84 0.54 0.00	47.50 0.55 0.00
MAPLE_RIDGE_WT_1 323574	48.11 -0.03 0.00	38.40 -0.02 0.00	40.79 0.04 0.00	43.71 0.07 0.00	42.82 0.08 0.00	47.16 0.13 0.00	55.76 0.21 0.00	63.58 0.22 0.00	44.34 0.11 0.00	46.57 0.14 0.00	47.69 0.17 0.00	46.80 0.14 0.00	49.92 0.19 0.00	49.03 0.18 0.00	44.73 0.14 0.00	49.15 0.15 0.00	52.90 0.18 0.00	54.49 0.21 0.00	71.15 0.34 0.00	70.02 0.27 0.00	53.50 0.12 0.00	46.66 0.01 0.00	44.29 -0.01 0.00	46.85 -0.09 0.00
MAPLE_RIDGE_WT_2 323611	48.11 -0.03 0.00	38.40 -0.02 0.00	40.79 0.04 0.00	43.71 0.07 0.00	42.82 0.08 0.00	47.16 0.13 0.00	55.76 0.21 0.00	63.58 0.22 0.00	44.34 0.11 0.00	46.57 0.14 0.00	47.69 0.17 0.00	46.80 0.14 0.00	49.92 0.19 0.00	49.03 0.18 0.00	44.73 0.14 0.00	49.15 0.15 0.00	52.90 0.18 0.00	54.49 0.21 0.00	71.15 0.34 0.00	70.02 0.27 0.00	53.50 0.12 0.00	46.66 0.01 0.00	44.29 -0.01 0.00	46.85 -0.09 0.00
MARBLE_RIVER_WT_PWR 323696	48.38 0.24 0.00	38.60 0.19 0.00	41.12 0.38 0.00	44.16 0.52 0.00	43.19 0.46 0.00	47.70 0.66 0.00	56.62 1.06 0.00	64.46 1.11 0.00	44.89 0.67 0.00	47.16 0.73 0.00	48.36 0.84 0.00	47.34 0.67 0.00	50.55 0.82 0.00	49.59 0.74 0.00	45.36 0.77 0.00	49.71 0.71 0.00	53.44 0.73 0.00	55.11 0.83 0.00	72.14 1.33 0.00	71.06 1.32 0.00	54.38 1.00 0.00	47.50 0.84 0.00	45.27 0.97 0.00	48.00 1.05 0.00
MARSHVLE_115KV_TB1 80742	49.01 0.87 0.00	39.14 0.73 0.00	41.46 0.71 0.00	44.38 0.75 0.00	43.63 0.90 0.00	48.21 1.18 0.00	57.05 1.50 0.00	65.26 1.90 0.00	45.06 0.84 0.00	46.76 0.33 0.00	47.62 0.10 0.00	47.02 0.36 0.00	50.17 0.44 0.00	49.39 0.54 0.00	45.14 0.56 0.00	49.85 0.85 0.00	53.75 1.03 0.00	55.59 1.31 0.00	72.47 1.67 0.00	71.11 1.37 0.00	54.26 0.89 0.00	47.37 0.72 0.00	44.91 0.61 0.00	47.52 0.58 0.00
MARSH_HILL_WT_PWR 323713	46.09 -2.24 -0.18	37.26 -1.86 -0.70	36.72 -2.01 2.03	43.20 -1.06 -0.63	42.32 -1.11 -0.70	47.70 -0.07 -0.74	56.65 -0.54 -1.64	64.47 0.46 -0.65	45.99 -0.34 -2.11	46.53 -1.40 -1.50	45.93 -2.38 -0.80	44.57 -2.31 -0.22	47.92 -1.82 0.00	48.17 -1.65 -0.97	43.55 -2.16 -1.13	48.74 -1.99 -1.72	50.87 -2.91 -1.05	52.61 -2.38 -0.72	68.34 -2.98 -0.52	67.13 -3.17 -0.56	40.31 -2.82 10.24	43.26 -2.27 1.12	43.01 -1.76 -0.47	46.39 -0.83 -0.28
MCINTYRE_115KV_TB2 80467	50.62 2.48 0.00	40.29 1.87 0.00	42.81 2.06 0.00	45.99 2.35 0.00	45.11 2.38 0.00	49.88 2.85 0.00	59.14 3.59 0.00	67.51 4.15 0.00	46.73 2.50 0.00	48.51 2.08 0.00	49.25 1.73 0.00	48.11 1.45 0.00	51.45 1.71 0.00	50.46 1.60 0.00	45.96 1.38 0.00	50.42 1.42 0.00	54.32 1.60 0.00	56.90 2.62 0.00	75.11 4.30 0.00	74.06 4.32 0.00	56.54 3.16 0.00	49.36 2.71 0.00	46.97 2.68 0.00	49.57 2.63 0.00
MECO_____69_KV_BK1 80468	50.00 1.87 0.00	39.92 1.51 0.00	42.27 1.52 0.00	45.22 1.59 0.00	44.42 1.69 0.00	49.10 2.06 0.00	58.18 2.63 0.00	66.58 3.23 0.00	45.90 1.67 0.00	47.10 0.67 0.00	47.58 0.07 0.00	46.76 0.10 0.00	50.02 0.29 0.00	49.36 0.51 0.00	45.35 0.77 0.00	50.39 1.39 0.00	54.53 1.81 0.00	56.77 2.49 0.00	74.17 3.37 0.00	72.88 3.14 0.00	55.66 2.29 0.00	48.53 1.88 0.00	45.94 1.64 0.00	48.59 1.65 0.00
MENANDS___115KV_TB5 355628	48.67 0.54 0.00	38.89 0.47 0.00	41.34 0.59 0.00	44.04 0.40 0.00	43.15 0.42 0.00	47.32 0.28 0.00	55.65 0.10 0.00	63.25 -0.11 0.00	44.37 0.15 0.00	46.77 0.33 0.00	48.02 0.50 0.00	47.14 0.48 0.00	50.21 0.48 0.00	49.35 0.50 0.00	45.09 0.51 0.00	49.63 0.63 0.00	53.42 0.70 0.00	54.82 0.54 0.00	71.19 0.39 0.00	70.12 0.38 0.00	53.85 0.47 0.00	47.12 0.46 0.00	44.60 0.30 0.00	47.26 0.31 0.00
MG INDUSTRY___DRP 24185	48.78 0.65 0.00	38.99 0.57 0.00	41.43 0.68 0.00	44.19 0.56 0.00	43.30 0.57 0.00	47.47 0.43 0.00	55.84 0.29 0.00	63.51 0.16 0.00	44.48 0.26 0.00	46.80 0.37 0.00	48.04 0.53 0.00	47.17 0.51 0.00	50.26 0.53 0.00	49.35 0.50 0.00	45.12 0.54 0.00	49.63 0.63 0.00	53.40 0.68 0.00	54.80 0.52 0.00	71.28 0.47 0.00	70.20 0.45 0.00	53.88 0.50 0.00	47.13 0.48 0.00	44.68 0.38 0.00	47.35 0.41 0.00

MID___OSWEGATCHIE_HYD 23849	50.08 1.94 0.00	39.89 1.48 0.00	42.37 1.62 0.00	45.49 1.85 0.00	44.59 1.86 0.00	49.25 2.21 0.00	58.14 2.59 0.00	66.50 3.15 0.00	46.12 1.90 0.00	47.98 1.55 0.00	48.40 0.89 0.00	47.37 0.70 -0.01	50.56 0.82 0.00	49.61 0.76 0.00	45.24 0.66 0.00	49.72 0.72 0.00	53.76 1.04 0.00	56.30 2.01 0.00	74.02 3.22 0.00	72.95 3.21 0.00	55.62 2.25 0.00	48.46 1.81 0.00	46.09 1.80 0.00	48.61 1.67 0.00
MID___RAQUETTE_HYD 23851	50.03 1.89 0.00	39.84 1.43 0.00	42.34 1.59 0.00	45.46 1.83 0.00	44.56 1.83 0.00	49.22 2.18 0.00	58.11 2.55 0.00	66.36 3.01 0.00	46.07 1.84 0.00	48.25 1.82 0.00	48.97 1.46 0.00	47.90 1.24 0.00	51.18 1.45 0.00	50.19 1.34 0.00	45.75 1.17 0.00	50.20 1.20 0.00	54.14 1.42 0.00	56.23 1.95 0.00	73.66 2.85 0.00	72.59 2.85 0.00	55.47 2.09 0.00	48.57 1.92 0.00	46.35 2.06 0.00	48.93 1.99 0.00
MILLIKEN___1 23584	48.84 0.70 0.00	38.97 0.55 0.00	44.28 0.50 -3.03	44.29 0.66 0.00	43.38 0.65 0.00	48.01 0.97 0.00	56.78 1.23 0.00	65.80 2.45 0.00	45.74 1.51 0.00	47.35 0.92 0.00	47.93 0.41 0.00	46.87 0.21 0.00	49.66 -0.07 0.00	48.77 -0.08 0.00	44.46 -0.12 0.00	48.94 -0.06 0.00	52.81 0.09 0.00	54.87 0.58 0.00	71.86 1.06 0.00	70.85 1.11 0.00	69.20 0.68 -15.14	49.17 0.53 -1.99	44.77 0.47 0.00	47.53 0.59 0.00
MILLIKEN___2 23585	48.84 0.70 0.00	38.97 0.55 0.00	44.28 0.50 -3.03	44.29 0.66 0.00	43.38 0.65 0.00	48.01 0.97 0.00	56.78 1.23 0.00	65.80 2.45 0.00	45.74 1.51 0.00	47.35 0.92 0.00	47.93 0.41 0.00	46.87 0.21 0.00	49.66 -0.07 0.00	48.77 -0.08 0.00	44.46 -0.12 0.00	48.94 -0.06 0.00	52.81 0.09 0.00	54.87 0.58 0.00	71.86 1.06 0.00	70.85 1.11 0.00	69.20 0.68 -15.14	49.17 0.53 -1.99	44.77 0.47 0.00	47.53 0.59 0.00
MILLIKEN___DIESEL 23629	48.84 0.70 0.00	38.97 0.55 0.00	44.28 0.50 -3.03	44.29 0.66 0.00	43.38 0.65 0.00	48.01 0.97 0.00	56.78 1.23 0.00	65.80 2.45 0.00	45.74 1.51 0.00	47.35 0.92 0.00	47.93 0.41 0.00	46.87 0.21 0.00	49.66 -0.07 0.00	48.77 -0.08 0.00	44.46 -0.12 0.00	48.94 -0.06 0.00	52.81 0.09 0.00	54.87 0.58 0.00	71.86 1.06 0.00	70.85 1.11 0.00	69.20 0.68 -15.14	49.17 0.53 -1.99	44.77 0.47 0.00	47.53 0.59 0.00
MILLSEAT___LFGE 323607	46.96 -1.04 0.14	36.96 -0.91 0.54	38.17 -1.27 1.31	42.49 -0.66 0.49	41.39 -0.81 0.53	46.46 -0.01 0.57	53.34 -0.95 1.26	61.86 -1.08 0.41	41.95 -0.94 1.33	43.70 -1.79 0.95	44.35 -2.66 0.51	43.77 -2.76 0.14	47.56 -2.18 0.00	45.88 -2.24 0.73	41.28 -2.58 0.72	45.41 -2.41 1.19	48.85 -3.06 0.81	50.30 -3.28 0.70	65.81 -4.16 0.82	65.03 -3.83 0.88	45.62 -3.39 4.37	42.97 -2.75 0.93	41.48 -2.07 0.76	45.80 -0.70 0.44
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	50.58 2.44 0.00	40.15 1.73 0.00	42.41 1.66 0.00	45.19 1.56 0.00	44.33 1.60 0.00	48.80 1.77 0.00	57.32 1.76 0.00	65.72 2.36 0.00	46.19 1.97 0.00	48.94 2.51 0.00	50.70 3.18 0.00	50.01 3.35 0.00	53.14 3.40 0.00	52.19 3.34 0.00	47.62 3.04 0.00	51.91 2.91 0.00	55.44 2.72 0.00	56.73 2.45 0.00	74.12 3.32 0.00	72.72 2.98 0.00	55.61 2.24 0.00	48.58 1.93 0.00	46.18 1.88 0.00	48.91 1.97 0.00
MILLWOOD_13_KV_LOAD 356217	50.67 2.53 0.00	40.22 1.81 0.00	42.48 1.73 0.00	45.27 1.64 0.00	44.42 1.69 0.00	48.90 1.87 0.00	57.44 1.88 0.00	65.87 2.51 0.00	46.30 2.07 0.00	49.05 2.62 0.00	50.80 3.29 0.00	50.13 3.47 0.00	53.24 3.51 0.00	52.30 3.45 0.00	47.71 3.13 0.00	52.02 3.02 0.00	55.55 2.83 0.00	56.87 2.59 0.00	74.33 3.52 0.00	72.92 3.18 0.00	55.75 2.38 0.00	48.68 2.04 0.00	46.27 1.97 0.00	49.01 2.07 0.00
MODEL_CITY_ENERGY 24167	45.57 -2.40 0.17	35.80 -1.96 0.66	36.85 -2.41 1.50	41.25 -1.78 0.59	40.09 -1.99 0.65	44.99 -1.35 0.69	51.04 -2.97 1.54	59.25 -3.62 0.50	39.91 -2.72 1.60	41.93 -3.37 1.14	42.86 -4.05 0.61	42.57 -3.93 0.16	46.52 -3.21 0.00	44.64 -3.32 0.89	40.10 -3.62 0.87	44.03 -3.54 1.43	47.07 -4.66 0.99	47.90 -5.52 0.86	62.48 -7.32 1.00	61.77 -6.90 1.07	42.76 -5.72 4.90	40.94 -4.63 1.08	39.72 -3.67 0.92	44.37 -2.04 0.53
MODERN_LFGE___ 323580	45.57 -2.40 0.17	35.80 -1.96 0.66	36.85 -2.41 1.50	41.25 -1.78 0.59	40.09 -1.99 0.65	44.99 -1.35 0.69	51.04 -2.97 1.54	59.25 -3.62 0.50	39.91 -2.72 1.60	41.93 -3.37 1.14	42.86 -4.05 0.61	42.57 -3.93 0.16	46.52 -3.21 0.00	44.64 -3.32 0.89	40.10 -3.62 0.87	44.03 -3.54 1.43	47.07 -4.66 0.99	47.90 -5.52 0.86	62.48 -7.32 1.00	61.77 -6.90 1.07	42.76 -5.72 4.90	40.94 -4.63 1.08	39.72 -3.67 0.92	44.37 -2.04 0.53
MOHAWK_PAPER___DRP 24187	48.91 0.77 0.00	39.07 0.65 0.00	41.52 0.77 0.00	44.24 0.60 0.00	43.36 0.63 0.00	47.56 0.53 0.00	55.97 0.41 0.00	63.62 0.26 0.00	44.62 0.39 0.00	46.97 0.54 0.00	48.19 0.68 0.00	47.29 0.63 0.00	50.38 0.65 0.00	49.55 0.70 0.00	45.26 0.68 0.00	49.83 0.83 0.00	53.67 0.95 0.00	55.11 0.83 0.00	71.60 0.79 0.00	70.52 0.78 0.00	54.13 0.75 0.00	47.36 0.71 0.00	44.84 0.54 0.00	47.50 0.55 0.00
MOHICAN___35_KV_115KV_LD 80490	50.12 1.98 0.00	39.93 1.52 0.00	42.38 1.63 0.00	45.22 1.59 0.00	44.20 1.47 0.00	48.51 1.47 0.00	57.07 1.52 0.00	64.81 1.45 0.00	45.49 1.27 0.00	47.56 1.13 0.00	48.44 0.93 0.00	47.44 0.77 0.00	50.53 0.79 0.00	49.74 0.89 0.00	45.46 0.88 0.00	50.52 1.52 0.00	54.55 1.83 0.00	56.18 1.90 0.00	72.92 2.11 0.00	72.09 2.35 0.00	55.27 1.90 0.00	48.36 1.71 0.00	45.79 1.49 0.00	48.56 1.61 0.00
MONGAUP___HYD 23641	50.92 2.78 0.00	40.43 2.02 0.00	42.73 1.98 0.00	45.57 1.93 0.00	44.71 1.98 0.00	49.28 2.24 0.00	58.00 2.44 0.00	66.50 3.15 0.00	46.64 2.42 0.00	49.24 2.81 0.00	50.76 3.25 0.00	49.92 3.26 0.00	52.88 3.15 0.00	51.83 2.98 0.00	47.20 2.62 0.00	51.54 2.53 0.00	55.13 2.41 0.00	57.01 2.73 0.00	74.81 4.01 0.00	73.50 3.76 0.00	56.21 2.84 0.00	49.07 2.42 0.00	46.57 2.28 0.00	49.27 2.33 0.00
MONTAUK___DIESEL 23721	49.55 1.41 0.00	39.48 0.85 -0.21	41.35 0.60 0.00	44.04 0.41 0.00	42.93 0.20 0.00	45.35 -0.17 1.52	25.59 -0.56 29.40	40.95 -0.44 21.97	35.30 0.03 8.95	47.27 0.84 0.00	49.04 1.53 0.00	49.01 2.06 -0.28	51.77 1.96 -0.07	51.32 2.26 -0.21	48.47 1.91 -1.98	48.80 1.18 1.38	45.82 0.79 7.69	53.77 0.58 1.10	72.50 1.70 0.00	71.45 1.71 0.00	55.29 1.91 0.00	47.87 1.22 0.00	46.22 1.70 -0.23	48.57 1.63 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	46.46 -1.68 0.00	36.67 -1.75 0.00	37.47 -2.21 1.08	42.36 -1.27 0.00	41.41 -1.32 0.00	46.86 -0.18 0.00	54.47 -1.08 0.00	63.09 -0.27 0.00	43.87 -0.36 0.00	45.94 -0.49 0.00	46.49 -1.03 0.00	45.62 -1.04 0.00	49.10 -0.63 0.00	48.00 -0.85 0.00	43.23 -1.36 0.00	47.95 -1.05 0.00	50.66 -2.06 0.00	51.69 -2.60 0.00	66.86 -3.95 0.00	65.93 -3.82 0.00	44.75 -3.28 5.35	43.26 -2.69 0.70	42.09 -2.21 0.00	45.84 -1.11 0.00

MORRIS_RIDGE___SOLAR 323848	46.14 -2.11 -0.10	36.99 -1.82 -0.39	37.30 -2.13 1.32	42.54 -1.46 -0.35	41.55 -1.57 -0.39	46.80 -0.65 -0.41	55.04 -1.43 -0.92	62.84 -0.90 -0.38	44.33 -1.12 -1.22	45.21 -2.09 -0.87	45.01 -2.97 -0.47	43.93 -2.86 -0.13	47.31 -2.42 0.00	47.08 -2.32 -0.55	42.49 -2.75 -0.65	47.44 -2.54 -0.97	49.72 -3.58 -0.59	51.42 -3.36 -0.50	67.00 -4.37 -0.56	66.03 -4.31 -0.60	42.64 -3.72 7.02	42.92 -3.05 0.68	42.44 -2.38 -0.51	45.97 -1.28 -0.30
MORTIMER_115KV_TB3 55949	47.25 -0.89 0.00	37.65 -0.77 0.00	39.16 -1.00 0.59	42.95 -0.68 0.00	42.01 -0.72 0.00	46.76 -0.27 0.00	54.93 -0.62 0.00	62.69 -0.67 0.00	43.60 -0.62 0.00	45.33 -1.11 0.00	45.93 -1.59 0.00	45.00 -1.66 0.00	48.31 -1.42 0.00	47.52 -1.33 0.00	43.09 -1.49 0.00	47.63 -1.37 0.00	51.07 -1.65 0.00	52.50 -1.77 0.00	68.53 -2.27 0.00	67.66 -2.09 0.00	48.76 -1.96 2.66	44.68 -1.62 0.35	43.00 -1.30 0.00	46.21 -0.74 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	50.93 2.79 0.00	40.42 2.00 0.00	42.67 1.92 0.00	45.46 1.82 0.00	44.59 1.86 0.00	49.10 2.07 0.00	57.66 2.10 0.00	66.12 2.77 0.00	46.50 2.27 0.00	49.31 2.88 0.00	51.11 3.60 0.00	50.44 3.78 0.00	53.57 3.84 0.00	52.62 3.76 0.00	48.02 3.44 0.00	52.32 3.32 0.00	55.84 3.12 0.00	57.12 2.84 0.00	74.62 3.81 0.00	73.20 3.46 0.00	55.96 2.58 0.00	48.91 2.25 0.00	46.50 2.20 0.00	49.21 2.26 0.00
MUNSVILLE_WIND_PWR 323609	51.33 3.11 -0.07	41.19 2.49 -0.29	45.25 2.63 -1.87	46.90 3.00 -0.26	46.07 3.05 -0.28	51.20 3.86 -0.30	60.99 4.76 -0.67	69.59 5.98 -0.25	48.62 3.59 -0.81	49.88 2.88 -0.58	50.24 2.42 -0.31	49.34 2.60 -0.08	52.48 2.75 0.00	51.76 2.52 -0.39	47.13 2.14 -0.40	52.21 2.61 -0.60	56.26 3.11 -0.43	58.72 4.06 -0.38	77.06 5.81 -0.45	75.72 5.50 -0.48	65.13 3.57 -8.19	50.60 2.68 -1.27	47.07 2.37 -0.41	49.47 2.29 -0.24
N SALMON___HYD 24042	49.43 1.29 0.00	39.42 1.01 0.00	41.95 1.20 0.00	45.06 1.43 0.00	44.12 1.39 0.00	48.79 1.75 0.00	57.95 2.39 0.00	66.19 2.84 0.00	46.02 1.79 0.00	48.23 1.80 0.00	49.18 1.67 0.00	48.06 1.40 0.00	51.30 1.57 0.00	50.30 1.45 0.00	45.90 1.32 0.00	50.33 1.33 0.00	54.26 1.54 0.00	56.23 1.95 0.00	73.73 2.93 0.00	72.67 2.93 0.00	55.60 2.23 0.00	48.52 1.87 0.00	46.21 1.91 0.00	48.89 1.95 0.00
N.AKRON__115KV_KNAPP 355671	46.88 -1.26 0.00	37.31 -1.10 0.00	38.41 -1.48 0.85	42.79 -0.84 0.00	41.72 -1.01 0.00	46.82 -0.22 0.00	54.20 -1.36 0.00	61.80 -1.55 0.00	42.91 -1.31 0.00	44.34 -2.09 0.00	44.62 -2.89 0.00	43.71 -2.95 0.00	47.46 -2.27 0.00	46.47 -2.38 0.00	41.84 -2.74 0.00	46.45 -2.55 0.00	49.33 -3.39 0.00	50.50 -3.78 0.00	65.91 -4.90 0.00	65.23 -4.51 0.00	45.52 -3.89 3.97	42.97 -3.16 0.52	41.88 -2.42 0.00	45.95 -1.00 0.00
N.E_GEN_SANDY PD 24062	48.93 0.80 0.00	39.71 0.71 -0.59	41.66 0.92 0.00	44.32 0.69 0.00	43.40 0.67 0.00	47.67 0.50 -0.13	55.80 0.25 0.00	58.66 -0.24 4.45	44.37 0.14 0.00	46.89 0.46 0.00	48.15 0.63 0.00	47.28 0.62 0.00	50.31 0.58 0.00	49.45 0.60 0.00	45.08 0.49 0.00	50.47 0.75 -0.72	53.66 0.94 0.00	55.34 0.74 -0.31	69.12 0.42 2.10	68.78 0.50 1.46	55.71 0.66 -1.68	47.37 0.72 0.00	44.77 0.47 0.00	47.29 0.59 0.24
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	50.65 2.51 0.00	40.17 1.75 0.00	42.43 1.69 0.00	45.21 1.58 0.00	44.39 1.66 0.00	48.89 1.86 0.00	57.43 1.87 0.00	65.86 2.50 0.00	46.31 2.09 0.00	49.05 2.62 0.00	50.80 3.28 0.00	50.13 3.47 0.00	53.29 3.55 0.00	52.32 3.47 0.00	47.72 3.13 0.00	52.02 3.01 0.00	55.52 2.79 0.00	56.82 2.54 0.00	74.26 3.46 0.00	72.86 3.12 0.00	55.67 2.30 0.00	48.60 1.95 0.00	46.20 1.91 0.00	48.96 2.02 0.00
N.QUEENS_27_KV_LOAD 356247	50.83 2.70 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.48 1.93 0.00	66.07 2.71 0.00	46.57 2.35 0.00	49.47 3.04 0.00	51.14 3.62 0.00	50.39 3.73 0.00	53.53 3.80 0.00	52.72 3.86 0.00	48.09 3.50 0.00	52.32 3.32 0.00	55.81 3.09 0.00	57.19 2.91 0.00	74.61 3.81 0.00	73.20 3.46 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.53 2.23 0.00	49.26 2.32 0.00
N.TROY___115KV_TB1 355778	49.15 1.01 0.00	39.25 0.83 0.00	41.72 0.98 0.00	44.46 0.83 0.00	43.54 0.81 0.00	47.74 0.70 0.00	56.16 0.61 0.00	63.72 0.37 0.00	44.69 0.47 0.00	47.06 0.63 0.00	48.23 0.72 0.00	47.34 0.68 0.00	50.43 0.69 0.00	49.59 0.74 0.00	45.27 0.68 0.00	49.95 0.95 0.00	53.83 1.11 0.00	55.29 1.01 0.00	71.75 0.94 0.00	70.73 0.99 0.00	54.34 0.96 0.00	47.56 0.91 0.00	45.01 0.72 0.00	47.74 0.80 0.00
NARROWS_GT1_1 24228	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT1_2 24229	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT1_3 24230	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT1_4 24231	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT1_5 24232	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00

NARROWS_GT1_6 24233	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT1_7 24234	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT1_8 24235	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_1 24236	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_2 24237	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_3 24238	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_4 24239	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_5 24240	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_6 24241	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_7 24242	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NARROWS_GT2_8 24243	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.07 3.49 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.17 2.89 0.00	74.65 3.84 0.00	73.25 3.51 0.00	56.02 2.64 0.00	49.00 2.35 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	49.17 1.03 0.00	39.31 0.89 0.00	41.78 1.03 0.00	44.56 0.92 0.00	43.67 0.94 0.00	47.93 0.89 0.00	56.58 1.03 0.00	64.52 1.16 0.00	45.21 0.99 0.00	47.45 1.02 0.00	48.58 1.07 0.00	47.58 0.92 0.00	50.72 0.99 0.00	49.67 0.81 0.00	45.54 0.96 0.00	50.27 1.26 0.00	54.16 1.44 0.00	55.71 1.43 0.00	72.49 1.68 0.00	71.36 1.62 0.00	54.73 1.35 0.00	47.80 1.15 0.00	45.18 0.88 0.00	47.78 0.84 0.00
NCHELSEA_115KV_TR2 355582	50.82 2.69 0.00	40.37 1.95 0.00	42.66 1.91 0.00	45.48 1.84 0.00	44.61 1.88 0.00	49.11 2.08 0.00	57.73 2.18 0.00	66.21 2.85 0.00	46.50 2.28 0.00	49.20 2.77 0.00	50.89 3.37 0.00	50.15 3.49 0.00	53.25 3.51 0.00	52.30 3.45 0.00	47.70 3.11 0.00	52.08 3.08 0.00	55.71 3.00 0.00	57.10 2.82 0.00	74.60 3.79 0.00	73.27 3.53 0.00	56.02 2.65 0.00	48.91 2.26 0.00	46.44 2.15 0.00	49.16 2.22 0.00
NEG CAPITAL____MECHNVIL 23645	49.90 1.75 0.00	39.80 1.38 0.00	42.28 1.53 0.00	45.09 1.46 0.00	44.17 1.43 0.00	48.50 1.46 0.00	57.15 1.59 0.00	64.94 1.58 0.00	45.45 1.22 0.00	47.66 1.24 0.00	48.71 1.20 0.00	47.77 1.11 0.00	50.93 1.20 0.00	50.13 1.27 0.00	45.81 1.23 0.00	50.64 1.64 0.00	54.58 1.86 0.00	56.22 1.94 0.00	73.02 2.21 0.00	72.00 2.26 0.00	55.21 1.84 0.00	48.29 1.64 0.00	45.71 1.41 0.00	48.44 1.50 0.00
NEG CENTRAL_HIGH_ACRES 23767	46.40 -1.70 0.04	36.90 -1.36 0.15	38.62 -1.60 0.53	42.08 -1.42 0.13	41.15 -1.43 0.15	45.75 -1.12 0.16	53.72 -1.49 0.35	61.60 -1.63 0.13	42.54 -1.26 0.42	44.35 -1.78 0.30	45.10 -2.25 0.16	44.28 -2.34 0.04	47.51 -2.23 0.00	46.49 -2.16 0.20	42.23 -2.14 0.22	46.52 -2.12 0.36	50.21 -2.29 0.22	51.81 -2.36 0.11	67.83 -2.97 0.00	66.88 -2.87 0.00	49.11 -2.50 1.77	44.28 -2.14 0.23	42.42 -1.88 0.00	45.39 -1.55 0.00

NEG CENTRAL___DRP 24199	47.71 -0.42 0.00	38.03 -0.38 0.00	39.61 -0.53 0.61	43.34 -0.30 0.00	42.40 -0.33 0.00	47.09 0.05 0.00	55.50 -0.05 0.00	63.74 0.38 0.00	44.29 0.06 0.00	46.11 -0.32 0.00	46.65 -0.86 0.00	45.70 -0.98 -0.01	48.77 -0.96 0.00	47.91 -0.94 0.00	43.56 -1.03 0.00	47.98 -1.02 0.00	51.55 -1.17 0.00	53.44 -0.84 0.00	69.93 -0.87 0.00	68.96 -0.78 0.00	49.85 -0.82 2.70	45.62 -0.67 0.36	43.74 -0.56 0.00	46.65 -0.29 0.00
NEG CENTRAL___INDECK 23768	48.32 0.10 -0.07	38.66 -0.03 -0.28	39.25 -0.24 1.26	44.27 0.38 -0.25	43.39 0.38 -0.27	48.71 1.38 -0.29	57.76 1.56 -0.65	68.02 4.08 -0.58	47.45 1.35 -1.88	45.64 -2.13 -1.34	44.63 -3.60 -0.71	43.39 -3.46 -0.19	46.95 -2.79 0.00	48.69 -0.61 -0.45	44.88 -0.71 -1.01	49.96 -0.45 -1.41	51.66 -1.47 -0.42	53.95 -0.65 -0.32	70.81 -0.31 -0.32	69.92 -0.16 -0.34	46.58 -0.51 6.29	45.58 -0.38 0.69	44.46 -0.13 -0.29	47.79 0.68 -0.17
NEG CENTRAL___SENECA 23627	47.66 -0.47 0.00	37.93 -0.49 0.00	38.89 -0.68 1.18	43.33 -0.31 0.00	42.34 -0.39 0.00	47.19 0.15 0.00	55.46 -0.09 0.00	63.87 0.52 0.00	44.35 0.12 0.00	46.17 -0.26 0.00	46.58 -0.94 0.00	45.60 -1.07 -0.01	48.77 -0.96 0.00	47.88 -0.97 0.00	43.44 -1.15 0.00	47.91 -1.10 0.00	51.28 -1.44 0.00	53.19 -1.09 0.00	69.71 -1.09 0.00	68.76 -0.98 0.00	47.11 -1.06 5.21	45.15 -0.81 0.68	43.67 -0.62 0.00	46.72 -0.21 0.00
NEG CENTRAL___STATE_STREET 24147	48.11 -0.03 0.00	38.40 -0.02 0.00	41.03 -0.10 -0.37	43.63 0.00 0.00	42.74 0.01 0.00	47.31 0.27 0.00	55.94 0.39 0.00	64.23 0.87 0.00	44.63 0.41 0.00	46.37 -0.06 0.00	47.02 -0.49 0.00	46.08 -0.59 -0.01	48.96 -0.77 0.00	48.12 -0.73 0.00	43.87 -0.72 0.00	48.29 -0.71 0.00	52.25 -0.48 0.00	54.15 -0.13 0.00	70.56 -0.24 0.00	69.66 -0.08 0.00	55.10 -0.18 -1.90	46.73 -0.17 -0.25	44.13 -0.16 0.00	46.93 -0.01 0.00
NEG MILLWOOD___DRP 24198	50.92 2.78 0.00	40.44 2.03 0.00	42.71 1.96 0.00	45.52 1.89 0.00	44.65 1.92 0.00	49.19 2.15 0.00	57.84 2.28 0.00	66.33 2.97 0.00	46.61 2.39 0.00	49.33 2.90 0.00	51.06 3.54 0.00	50.33 3.67 0.00	53.45 3.72 0.00	52.51 3.66 0.00	47.90 3.31 0.00	52.26 3.25 0.00	55.87 3.15 0.00	57.25 2.97 0.00	74.81 4.00 0.00	73.42 3.68 0.00	56.13 2.76 0.00	49.02 2.37 0.00	46.55 2.25 0.00	49.27 2.33 0.00
NEG NORTH_FLCN_SEA 23793	48.62 0.48 0.00	38.80 0.38 0.00	41.38 0.63 0.00	44.37 0.74 0.00	43.38 0.64 0.00	47.86 0.83 0.00	57.05 1.50 0.00	64.74 1.39 0.00	44.99 0.77 0.00	47.17 0.74 0.00	48.66 1.15 0.00	47.68 1.02 0.00	50.71 0.97 0.00	49.77 0.92 0.00	45.66 1.08 0.00	49.96 0.96 0.00	53.58 0.86 0.00	55.18 0.90 0.00	72.35 1.55 0.00	71.29 1.54 0.00	54.57 1.19 0.00	47.66 1.01 0.00	45.47 1.18 0.00	48.29 1.35 0.00
NEG NORTH_KES_CHATEGAY 23792	48.52 0.38 0.00	38.71 0.30 0.00	41.22 0.47 0.00	44.28 0.65 0.00	43.31 0.58 0.00	47.84 0.80 0.00	56.85 1.29 0.00	64.95 1.59 0.00	45.06 0.84 0.00	47.24 0.81 0.00	48.42 0.91 0.00	47.39 0.73 0.00	50.60 0.86 0.00	49.64 0.79 0.00	45.36 0.77 0.00	49.72 0.72 0.00	53.47 0.75 0.00	55.28 1.00 0.00	72.43 1.63 0.00	71.36 1.62 0.00	54.59 1.21 0.00	47.66 1.01 0.00	45.42 1.12 0.00	48.12 1.18 0.00
NEG NORTH___ALICE_FALLS 23915	48.92 0.78 0.00	39.03 0.62 0.00	41.60 0.85 0.00	44.63 0.99 0.00	43.64 0.91 0.00	48.21 1.18 0.00	57.51 1.96 0.00	65.28 1.92 0.00	45.41 1.18 0.00	47.53 1.10 0.00	48.80 1.29 0.00	47.79 1.12 0.00	50.88 1.15 0.00	49.91 1.06 0.00	45.73 1.15 0.00	50.12 1.11 0.00	53.92 1.20 0.00	55.68 1.39 0.00	73.07 2.27 0.00	72.02 2.28 0.00	55.10 1.72 0.00	48.09 1.44 0.00	45.80 1.51 0.00	48.59 1.64 0.00
NEG NORTH___LWR_SARANAC 23913	48.92 0.78 0.00	39.03 0.62 0.00	41.60 0.85 0.00	44.63 0.99 0.00	43.64 0.91 0.00	48.21 1.18 0.00	57.51 1.96 0.00	65.28 1.92 0.00	45.41 1.18 0.00	47.53 1.10 0.00	48.80 1.29 0.00	47.79 1.12 0.00	50.88 1.15 0.00	49.91 1.06 0.00	45.73 1.15 0.00	50.12 1.11 0.00	53.92 1.20 0.00	55.68 1.39 0.00	73.07 2.27 0.00	72.02 2.28 0.00	55.10 1.72 0.00	48.09 1.44 0.00	45.80 1.51 0.00	48.59 1.64 0.00
NEG NORTH___PLATTSBURG 23628	48.92 0.78 0.00	39.03 0.62 0.00	41.60 0.85 0.00	44.63 0.99 0.00	43.64 0.91 0.00	48.21 1.18 0.00	57.51 1.96 0.00	65.28 1.92 0.00	45.41 1.18 0.00	47.53 1.10 0.00	48.80 1.29 0.00	47.79 1.12 0.00	50.88 1.15 0.00	49.91 1.06 0.00	45.73 1.15 0.00	50.12 1.11 0.00	53.92 1.21 0.00	55.68 1.39 0.00	73.07 2.27 0.00	72.01 2.27 0.00	55.10 1.72 0.00	48.09 1.44 0.00	45.80 1.51 0.00	48.59 1.64 0.00
NEG WEST_LEA_LOCKPORT 23791	46.10 -2.04 0.00	36.70 -1.72 0.00	37.71 -2.13 0.91	42.14 -1.49 0.00	41.05 -1.68 0.00	46.08 -0.96 0.00	53.17 -2.39 0.00	60.51 -2.84 0.00	42.02 -2.21 0.00	43.56 -2.87 0.00	43.93 -3.58 0.00	43.10 -3.56 0.00	46.87 -2.87 0.00	45.98 -2.87 0.00	41.36 -3.22 0.00	45.89 -3.11 0.00	48.55 -4.17 0.00	49.37 -4.91 0.00	64.29 -6.52 0.00	63.65 -6.09 0.00	44.07 -5.08 4.23	41.96 -4.14 0.56	41.08 -3.22 0.00	45.23 -1.71 0.00
NEG WEST___LANCASTR 23811	46.32 -1.82 0.00	36.92 -1.49 0.00	37.76 -1.90 1.09	42.35 -1.28 0.00	41.25 -1.49 0.00	46.37 -0.67 0.00	53.74 -1.81 0.00	61.59 -1.76 0.00	42.79 -1.44 0.00	44.60 -1.83 0.00	45.04 -2.48 0.00	44.11 -2.55 0.00	47.70 -2.04 0.00	47.01 -1.84 0.00	42.33 -2.25 0.00	46.84 -2.16 0.00	49.52 -3.20 0.00	50.48 -3.80 0.00	65.80 -5.00 0.00	65.12 -4.62 0.00	44.05 -4.10 5.23	42.55 -3.42 0.69	41.70 -2.60 0.00	45.60 -1.34 0.00
NEG_PENN_ALLEGHNY 23528	48.56 0.34 -0.09	38.94 0.18 -0.34	40.85 0.08 -0.02	44.20 0.26 -0.31	43.24 0.18 -0.34	47.89 0.50 -0.36	56.74 0.39 -0.79	64.47 0.83 -0.28	45.59 0.46 -0.91	47.52 0.44 -0.65	48.14 0.28 -0.34	47.14 0.38 -0.09	50.24 0.50 0.00	49.78 0.46 -0.46	45.27 0.21 -0.48	49.93 0.28 -0.64	53.26 0.03 -0.51	54.77 0.04 -0.45	71.53 0.19 -0.54	70.54 0.22 -0.57	52.00 -0.04 1.34	46.60 -0.10 -0.06	44.78 -0.01 -0.49	47.50 0.27 -0.29
NEG___GEN_MONROE 24207	47.53 -0.61 0.00	37.87 -0.55 0.00	39.36 -0.79 0.60	43.24 -0.40 0.00	42.33 -0.40 0.00	47.16 0.13 0.00	55.46 -0.09 0.00	63.17 -0.18 0.00	43.89 -0.33 0.00	45.50 -0.93 0.00	45.94 -1.57 0.00	44.96 -1.70 0.00	48.32 -1.41 0.00	47.49 -1.36 0.00	43.02 -1.56 0.00	47.62 -1.39 0.00	51.12 -1.61 0.00	52.62 -1.66 0.00	68.77 -2.03 0.00	67.93 -1.82 0.00	48.87 -1.79 2.72	44.81 -1.48 0.36	43.17 -1.13 0.00	46.50 -0.45 0.00
NEPA___ENERGY 23901	46.45 -1.69 0.00	36.73 -1.69 0.00	37.54 -2.13 1.08	42.20 -1.43 0.00	41.01 -1.72 0.00	46.25 -0.79 0.00	53.66 -1.90 0.00	61.93 -1.43 0.00	42.92 -1.31 0.00	45.14 -1.29 0.00	45.63 -1.89 0.00	44.97 -1.70 0.00	48.51 -1.23 0.00	47.47 -1.38 0.00	42.74 -1.85 0.00	47.28 -1.72 0.00	49.79 -2.93 0.00	50.72 -3.56 0.00	66.17 -4.64 0.00	65.47 -4.28 0.00	44.40 -3.82 5.15	42.73 -3.24 0.68	41.75 -2.55 0.00	45.59 -1.35 0.00

NEVERSINK___HYD 23608	50.20 2.06 0.00	39.90 1.49 0.00	42.19 1.44 0.00	45.03 1.40 0.00	44.17 1.44 0.00	48.63 1.60 0.00	57.27 1.71 0.00	65.66 2.31 0.00	46.04 1.82 0.00	48.62 2.19 0.00	50.17 2.66 0.00	49.39 2.73 0.00	52.44 2.71 0.00	51.53 2.68 0.00	46.83 2.25 0.00	51.25 2.25 0.00	54.96 2.24 0.00	56.48 2.20 0.00	73.84 3.03 0.00	72.52 2.78 0.00	55.46 2.09 0.00	48.37 1.72 0.00	45.90 1.60 0.00	48.57 1.63 0.00
NEWKRMKL_115KV_TB1 55635	48.31 0.17 0.00	38.61 0.19 0.00	41.03 0.28 0.00	43.71 0.07 0.00	42.84 0.11 0.00	46.96 -0.07 0.00	55.27 -0.29 0.00	62.86 -0.50 0.00	44.10 -0.12 0.00	46.46 0.03 0.00	47.73 0.22 0.00	46.87 0.21 0.00	49.94 0.21 0.00	49.07 0.22 0.00	44.87 0.29 0.00	49.35 0.35 0.00	53.10 0.39 0.00	54.49 0.21 0.00	70.79 -0.02 0.00	69.69 -0.05 0.00	53.49 0.12 0.00	46.78 0.13 0.00	44.29 -0.01 0.00	46.90 -0.04 0.00
NEWTON___FALLS_HYD 23847	50.08 1.94 0.00	39.89 1.48 0.00	42.37 1.62 0.00	45.49 1.85 0.00	44.59 1.86 0.00	49.25 2.21 0.00	58.14 2.59 0.00	66.50 3.15 0.00	46.12 1.90 0.00	47.98 1.55 0.00	48.40 0.89 0.00	47.37 0.70 -0.01	50.56 0.82 0.00	49.61 0.76 0.00	45.24 0.66 0.00	49.72 0.72 0.00	53.76 1.04 0.00	56.30 2.01 0.00	74.02 3.22 0.00	72.95 3.21 0.00	55.62 2.25 0.00	48.46 1.81 0.00	46.09 1.80 0.00	48.61 1.67 0.00
NGRID_A1_DSASP 323792	45.43 -2.52 0.19	35.64 -2.07 0.71	36.68 -2.52 1.55	41.09 -1.90 0.64	39.93 -2.10 0.71	44.84 -1.45 0.75	50.83 -3.07 1.66	58.84 -3.98 0.53	39.61 -2.90 1.71	41.69 -3.52 1.22	42.66 -4.20 0.65	42.23 -4.26 0.17	46.11 -3.63 0.00	44.50 -3.39 0.96	40.01 -3.64 0.93	43.82 -3.64 1.54	46.90 -4.75 1.07	47.60 -5.76 0.93	62.05 -7.67 1.08	61.35 -7.24 1.16	42.42 -5.94 5.03	40.63 -4.90 1.13	39.51 -3.80 0.99	44.17 -2.19 0.58
NGRID_A2_DSASP 323793	45.43 -2.52 0.19	35.64 -2.07 0.71	36.68 -2.52 1.55	41.09 -1.90 0.64	39.93 -2.10 0.71	44.84 -1.45 0.75	50.83 -3.07 1.66	58.84 -3.98 0.53	39.61 -2.90 1.71	41.69 -3.52 1.22	42.66 -4.20 0.65	42.23 -4.26 0.17	46.11 -3.63 0.00	44.50 -3.39 0.96	40.01 -3.64 0.93	43.82 -3.64 1.54	46.90 -4.75 1.07	47.60 -5.76 0.93	62.05 -7.67 1.08	61.35 -7.24 1.16	42.42 -5.94 5.03	40.63 -4.90 1.13	39.51 -3.80 0.99	44.17 -2.19 0.58
NGRID_A4_DSASP 323807	45.43 -2.52 0.19	35.64 -2.07 0.71	36.68 -2.52 1.55	41.09 -1.90 0.64	39.93 -2.10 0.71	44.84 -1.45 0.75	50.83 -3.07 1.66	58.84 -3.98 0.53	39.61 -2.90 1.71	41.69 -3.52 1.22	42.66 -4.20 0.65	42.23 -4.26 0.17	46.11 -3.63 0.00	44.50 -3.39 0.96	40.01 -3.64 0.93	43.82 -3.64 1.54	46.90 -4.75 1.07	47.60 -5.76 0.93	62.05 -7.67 1.08	61.35 -7.24 1.16	42.42 -5.94 5.03	40.63 -4.90 1.13	39.51 -3.80 0.99	44.17 -2.19 0.58
NIAGARA_115E_LBMP 323715	45.35 -2.61 0.18	35.59 -2.14 0.69	36.63 -2.59 1.53	41.06 -1.96 0.62	39.87 -2.18 0.68	44.72 -1.59 0.72	50.63 -3.32 1.60	58.78 -4.06 0.51	39.54 -3.04 1.65	41.59 -3.66 1.18	42.57 -4.31 0.63	42.34 -4.15 0.17	46.32 -3.42 0.00	44.37 -3.56 0.93	39.84 -3.84 0.90	43.74 -3.78 1.49	46.73 -4.96 1.03	47.49 -5.90 0.89	61.93 -7.84 1.04	61.23 -7.40 1.11	42.29 -6.10 4.99	40.60 -4.95 1.11	39.40 -3.94 0.95	44.11 -2.28 0.55
NIAGARA_115W_LBMP 323714	45.36 -2.59 0.18	35.59 -2.12 0.71	36.63 -2.57 1.55	41.04 -1.95 0.64	39.88 -2.15 0.71	44.78 -1.50 0.75	50.75 -3.15 1.66	58.72 -4.10 0.53	39.54 -2.97 1.71	41.61 -3.60 1.22	42.59 -4.27 0.65	42.15 -4.34 0.17	46.02 -3.71 0.00	44.43 -3.46 0.96	39.92 -3.73 0.93	43.75 -3.72 1.54	46.83 -4.83 1.07	47.52 -5.84 0.93	61.94 -7.78 1.08	61.23 -7.35 1.16	42.35 -6.01 5.02	40.57 -4.96 1.13	39.43 -3.88 0.99	44.10 -2.26 0.58
NIAGARA_230_LBMP 323716	45.50 -2.45 0.18	35.69 -2.01 0.71	36.76 -2.45 1.53	41.13 -1.87 0.64	40.00 -2.03 0.70	44.90 -1.39 0.74	51.08 -2.83 1.65	59.35 -3.48 0.53	39.94 -2.59 1.70	42.06 -3.16 1.21	43.06 -3.80 0.65	42.64 -3.85 0.17	46.52 -3.22 0.00	44.89 -3.01 0.95	40.35 -3.31 0.93	44.19 -3.29 1.53	47.32 -4.34 1.06	48.08 -5.28 0.92	62.69 -7.03 1.08	61.97 -6.61 1.16	42.92 -5.52 4.94	41.03 -4.51 1.12	39.83 -3.48 0.99	44.29 -2.08 0.58
NIAGARA___115KV_198_GIBSON 55903	45.55 -2.59 0.00	36.28 -2.13 0.00	37.24 -2.58 0.93	41.67 -1.96 0.00	40.57 -2.16 0.00	45.51 -1.52 0.00	52.40 -3.16 0.00	59.26 -4.09 0.00	41.23 -2.99 0.00	42.83 -3.60 0.00	43.22 -4.30 0.00	42.32 -4.34 0.00	46.02 -3.71 0.00	45.37 -3.48 0.00	40.83 -3.75 0.00	45.26 -3.74 0.00	47.86 -4.86 0.00	48.43 -5.85 0.00	63.01 -7.80 0.00	62.38 -7.36 0.00	42.98 -6.06 4.34	41.13 -4.95 0.57	40.39 -3.90 0.00	44.64 -2.30 0.00
NIAGARA____ 23760	45.51 -2.45 0.18	35.71 -2.01 0.70	36.76 -2.45 1.53	41.14 -1.87 0.63	40.01 -2.03 0.69	44.91 -1.39 0.73	51.10 -2.83 1.63	59.36 -3.48 0.52	39.95 -2.59 1.69	42.08 -3.16 1.20	43.07 -3.80 0.64	42.64 -3.85 0.17	46.52 -3.22 0.00	44.90 -3.01 0.94	40.36 -3.31 0.91	44.21 -3.29 1.50	47.34 -4.34 1.04	48.09 -5.28 0.91	62.71 -7.03 1.07	61.99 -6.61 1.14	42.91 -5.52 4.94	41.04 -4.51 1.11	39.85 -3.48 0.97	44.30 -2.08 0.57
NINE_MILE_1 23575	46.50 -1.64 0.00	37.15 -1.26 0.00	39.37 -1.38 0.00	42.20 -1.44 0.00	41.33 -1.40 0.00	45.55 -1.48 0.00	53.79 -1.77 0.00	61.38 -1.97 0.00	42.82 -1.40 0.00	44.81 -1.62 0.00	45.71 -1.81 0.00	44.69 -1.76 0.21	47.82 -1.92 0.00	46.98 -1.88 0.00	42.91 -1.67 0.00	47.17 -1.84 0.00	50.80 -1.92 0.00	52.38 -1.90 0.00	68.32 -2.48 0.00	67.31 -2.43 0.00	51.47 -1.91 0.00	44.99 -1.66 0.00	42.72 -1.59 0.00	45.30 -1.64 0.00
NINE_MILE_2 23744	46.50 -1.64 0.00	37.15 -1.26 0.00	39.37 -1.38 0.00	42.20 -1.44 0.00	41.33 -1.40 0.00	45.55 -1.48 0.00	53.79 -1.77 0.00	61.39 -1.97 0.00	42.83 -1.39 0.00	44.81 -1.62 0.00	45.71 -1.81 0.00	44.70 -1.75 0.22	47.82 -1.91 0.00	46.98 -1.87 0.00	42.91 -1.67 0.00	47.17 -1.84 0.00	50.80 -1.92 0.00	52.39 -1.90 0.00	68.32 -2.48 0.00	67.33 -2.41 0.00	51.47 -1.90 0.00	44.99 -1.66 0.00	42.72 -1.58 0.00	45.30 -1.64 0.00
NM_CAPITAL___DRP 24208	48.25 0.12 0.00	38.56 0.15 0.00	40.99 0.24 0.00	43.67 0.03 0.00	42.79 0.06 0.00	46.90 -0.14 0.00	55.17 -0.39 0.00	62.69 -0.66 0.00	44.00 -0.22 0.00	46.38 -0.05 0.00	47.66 0.14 0.00	46.81 0.14 0.00	49.84 0.11 0.00	48.98 0.13 0.00	44.77 0.19 0.00	49.25 0.24 0.00	52.99 0.28 0.00	54.36 0.08 0.00	70.60 -0.20 0.00	69.52 -0.22 0.00	53.38 0.00 0.00	46.70 0.05 0.00	44.22 -0.08 0.00	46.84 -0.10 0.00
NM_CENTRAL___DRP 24181	47.40 -0.74 0.00	37.85 -0.57 0.00	40.08 -0.67 0.00	42.98 -0.65 0.00	42.10 -0.63 0.00	46.45 -0.58 0.00	54.88 -0.67 0.00	62.74 -0.61 0.00	43.74 -0.48 0.00	45.72 -0.72 0.00	46.57 -0.94 0.00	45.74 -0.93 0.00	48.72 -1.01 0.00	47.89 -0.96 0.00	43.70 -0.89 0.00	48.08 -0.93 0.00	51.75 -0.97 0.00	53.39 -0.89 0.00	69.66 -1.14 0.00	68.63 -1.11 0.00	52.45 -0.93 0.00	45.81 -0.84 0.00	43.50 -0.80 0.00	46.14 -0.80 0.00

NM_FRONTIER___DRP 24179	45.55 -2.59 0.00	36.28 -2.13 0.00	37.24 -2.58 0.93	41.67 -1.96 0.00	40.57 -2.16 0.00	45.51 -1.52 0.00	52.40 -3.16 0.00	59.26 -4.09 0.00	41.23 -2.99 0.00	42.83 -3.60 0.00	43.22 -4.30 0.00	42.32 -4.34 0.00	46.02 -3.71 0.00	45.37 -3.48 0.00	40.83 -3.75 0.00	45.26 -3.74 0.00	47.86 -4.86 0.00	48.43 -5.85 0.00	63.01 -7.80 0.00	62.38 -7.36 0.00	42.98 -6.06 4.34	41.13 -4.95 0.57	40.39 -3.90 0.00	44.64 -2.30 0.00
NM_ST_REGIS___HYD 24053	49.91 1.78 0.00	39.76 1.35 0.00	42.27 1.52 0.00	45.40 1.76 0.00	44.48 1.75 0.00	49.14 2.10 0.00	58.13 2.58 0.00	66.40 3.04 0.00	46.11 1.88 0.00	48.30 1.87 0.00	49.06 1.55 0.00	47.98 1.31 0.00	51.25 1.52 0.00	50.26 1.40 0.00	45.83 1.24 0.00	50.27 1.27 0.00	54.20 1.48 0.00	56.28 2.00 0.00	73.75 2.95 0.00	72.70 2.96 0.00	55.56 2.18 0.00	48.61 1.96 0.00	46.37 2.07 0.00	48.98 2.04 0.00
NORTHPORT___1 23551	50.83 2.70 0.01	40.55 1.95 -0.17	42.53 1.79 0.00	45.29 1.65 0.00	44.09 1.36 0.00	46.52 1.02 1.54	26.26 0.50 29.80	42.03 0.95 22.27	36.13 0.98 9.07	48.17 1.74 0.00	50.26 2.75 0.00	50.04 3.14 -0.24	52.75 2.97 -0.05	52.25 3.21 -0.18	49.41 2.91 -1.92	49.73 2.13 1.40	46.55 1.62 7.79	54.57 1.40 1.11	73.07 2.26 0.00	71.45 1.71 0.00	54.87 1.49 0.00	47.81 1.16 0.00	46.23 1.70 -0.23	48.77 1.83 0.00
NORTHPORT___2 23552	50.83 2.70 0.01	40.55 1.95 -0.17	42.53 1.79 0.00	45.29 1.65 0.00	44.09 1.36 0.00	46.52 1.02 1.54	26.26 0.50 29.80	42.03 0.95 22.27	36.13 0.98 9.07	48.17 1.74 0.00	50.26 2.75 0.00	50.04 3.14 -0.24	52.75 2.97 -0.05	52.25 3.21 -0.18	49.41 2.91 -1.92	49.73 2.13 1.40	46.55 1.62 7.79	54.57 1.40 1.11	73.07 2.26 0.00	71.45 1.71 0.00	54.87 1.49 0.00	47.81 1.16 0.00	46.23 1.70 -0.23	48.77 1.83 0.00
NORTHPORT___3 23553	50.72 2.59 0.01	40.47 1.87 -0.18	42.45 1.70 0.00	45.20 1.56 0.00	43.99 1.26 0.00	46.42 0.91 1.53	26.26 0.37 29.66	41.99 0.81 22.17	36.08 0.89 9.03	48.06 1.63 0.00	50.16 2.64 0.00	49.95 3.04 -0.25	52.64 2.86 -0.05	52.12 3.08 -0.19	49.34 2.82 -1.94	49.63 2.02 1.39	46.48 1.52 7.76	54.46 1.28 1.11	72.91 2.10 0.00	71.31 1.57 0.00	54.76 1.38 0.00	47.71 1.06 0.00	46.13 1.60 -0.23	48.67 1.73 0.00
NORTHPORT___4 23650	50.72 2.59 0.01	40.47 1.87 -0.18	42.45 1.70 0.00	45.20 1.56 0.00	43.99 1.26 0.00	46.42 0.91 1.53	26.26 0.37 29.66	41.99 0.81 22.17	36.08 0.89 9.03	48.06 1.63 0.00	50.16 2.64 0.00	49.95 3.04 -0.25	52.64 2.86 -0.05	52.12 3.08 -0.19	49.34 2.82 -1.94	49.63 2.02 1.39	46.48 1.52 7.76	54.46 1.28 1.11	72.91 2.10 0.00	71.31 1.57 0.00	54.76 1.38 0.00	47.71 1.06 0.00	46.13 1.60 -0.23	48.67 1.73 0.00
NORTHPORT___IC 23718	50.84 2.70 0.01	40.55 1.96 -0.17	42.54 1.79 0.00	45.29 1.65 0.00	44.09 1.36 0.00	46.52 1.02 1.54	26.25 0.50 29.80	42.03 0.95 22.27	36.15 1.00 9.07	48.17 1.74 0.00	50.27 2.75 0.00	50.02 3.12 -0.24	52.75 2.97 -0.05	52.26 3.22 -0.18	49.42 2.91 -1.92	49.75 2.14 1.40	46.55 1.62 7.79	54.58 1.41 1.11	73.07 2.26 0.00	71.45 1.71 0.00	54.88 1.51 0.00	47.81 1.16 0.00	46.24 1.71 -0.23	48.78 1.83 0.00
NORTH___COUNTRY_ESR 323785	48.40 0.26 0.00	38.63 0.21 0.00	41.13 0.38 0.00	44.18 0.54 0.00	43.22 0.49 0.00	47.73 0.70 0.00	56.69 1.14 0.00	64.57 1.21 0.00	44.93 0.70 0.00	47.22 0.79 0.00	48.41 0.90 0.00	47.38 0.72 0.00	50.60 0.86 0.00	49.63 0.78 0.00	45.36 0.77 0.00	49.72 0.71 0.00	53.47 0.75 0.00	55.17 0.89 0.00	72.23 1.43 0.00	71.13 1.39 0.00	54.42 1.05 0.00	47.52 0.87 0.00	45.31 1.01 0.00	48.00 1.06 0.00
NPX_GEN_1385_PROXY 323591	35.58 2.53 15.10	40.52 1.93 -0.17	42.51 1.76 0.00	45.39 1.76 0.00	44.15 1.42 0.00	46.60 1.10 1.54	37.74 0.70 18.52	51.50 1.18 13.04	55.67 1.15 -10.30	48.13 1.70 0.00	50.12 2.61 0.00	39.17 2.98 10.48	52.59 2.81 -0.05	52.08 3.05 -0.18	49.37 2.87 -1.92	49.70 2.09 1.40	46.55 1.62 7.79	54.53 1.36 1.11	72.97 2.17 0.00	33.42 1.48 37.80	54.93 1.56 0.00	47.71 1.06 0.00	46.07 1.54 -0.23	37.23 1.66 11.37
NPX_GEN_CSC 323557	50.95 2.82 0.00	40.61 1.99 -0.21	42.55 1.80 0.00	45.30 1.67 0.00	44.14 1.40 0.00	46.63 1.12 1.52	26.92 0.79 29.42	42.51 1.14 21.98	36.39 1.12 8.96	48.39 1.97 0.00	50.19 2.68 0.00	50.21 3.26 -0.28	52.89 3.09 -0.07	52.35 3.29 -0.21	49.56 2.99 -1.98	49.88 2.26 1.38	46.81 1.78 7.70	54.74 1.55 1.10	73.37 2.57 0.00	71.79 2.05 0.00	55.16 1.79 0.00	48.06 1.41 0.00	46.50 1.97 -0.23	48.92 1.98 0.00
NSINS_S_GLNS_FALLS 23858	50.03 1.89 0.00	39.85 1.43 0.00	42.30 1.55 0.00	45.14 1.50 0.00	44.13 1.40 0.00	48.43 1.39 0.00	56.97 1.41 0.00	64.69 1.33 0.00	45.41 1.19 0.00	47.48 1.05 0.00	48.38 0.87 0.00	47.36 0.70 0.00	50.48 0.74 0.00	49.69 0.84 0.00	45.41 0.83 0.00	50.44 1.44 0.00	54.44 1.72 0.00	56.07 1.79 0.00	72.77 1.97 0.00	71.95 2.20 0.00	55.14 1.77 0.00	48.26 1.61 0.00	45.71 1.41 0.00	48.46 1.52 0.00
NUCOR_STEEL___DRP 24197	48.09 -0.05 0.00	38.39 -0.03 0.00	41.06 -0.11 -0.42	43.60 -0.03 0.00	42.71 -0.02 0.00	47.27 0.23 0.00	55.83 0.28 0.00	63.10 -0.26 0.00	43.89 -0.34 0.00	45.79 -0.64 0.00	46.56 -0.96 0.00	45.81 -0.87 -0.02	48.93 -0.80 0.00	48.09 -0.76 0.00	43.86 -0.72 0.00	48.27 -0.73 0.00	52.28 -0.45 0.00	54.16 -0.12 0.00	70.50 -0.30 0.00	69.63 -0.11 0.00	55.26 -0.19 -2.07	46.74 -0.18 -0.27	44.11 -0.18 0.00	46.89 -0.05 0.00
NUMBER_THREE_WT_PWR 323818	50.14 2.00 0.00	39.97 1.55 0.00	42.44 1.69 0.00	45.51 1.88 0.00	44.63 1.90 0.00	49.34 2.30 0.00	58.46 2.91 0.00	66.92 3.56 0.00	46.38 2.16 0.00	47.83 1.40 0.00	48.06 0.54 0.00	47.08 0.42 -0.01	50.19 0.46 0.00	49.29 0.44 0.00	44.96 0.38 0.00	49.51 0.51 0.00	53.68 0.96 0.00	56.42 2.14 0.00	74.37 3.57 0.00	73.26 3.52 0.00	55.71 2.33 0.00	48.26 1.61 0.00	45.74 1.45 0.00	48.19 1.24 0.00
NYISO_LBMP_REFERENCE 24008	48.14 0.00 0.00	38.41 0.00 0.00	40.75 0.00 0.00	43.64 0.00 0.00	42.73 0.00 0.00	47.03 0.00 0.00	55.56 0.00 0.00	63.36 0.00 0.00	44.22 0.00 0.00	46.43 0.00 0.00	47.52 0.00 0.00	46.66 0.00 0.00	49.73 0.00 0.00	48.85 0.00 0.00	44.58 0.00 0.00	49.00 0.00 0.00	52.72 0.00 0.00	54.28 0.00 0.00	70.80 0.00 0.00	69.74 0.00 0.00	53.38 0.00 0.00	46.65 0.00 0.00	44.30 0.00 0.00	46.94 0.00 0.00
NYPA_BRENTWD____GT 24164	51.49 3.36 0.00	41.13 2.43 -0.30	43.04 2.29 0.00	45.82 2.19 0.00	44.66 1.93 0.00	47.28 1.71 1.47	28.55 1.28 28.29	44.13 1.91 21.14	37.29 1.67 8.61	49.01 2.58 0.00	51.07 3.55 0.00	50.91 3.84 -0.41	53.58 3.70 -0.15	53.00 3.85 -0.30	50.26 3.53 -2.14	50.62 2.95 1.33	47.77 2.44 7.40	55.61 2.38 1.05	74.50 3.70 0.00	72.78 3.04 0.00	55.87 2.49 0.00	48.63 1.98 0.00	46.95 2.41 -0.24	49.46 2.52 0.00

NYPA_GOWANUS____GT5 24156	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.06 3.48 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.62 3.82 0.00	73.23 3.49 0.00	56.00 2.62 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NYPA_GOWANUS____GT6 24157	50.95 2.81 0.00	40.53 2.12 0.00	42.76 2.02 0.00	45.53 1.90 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.26 0.00	66.31 2.94 0.00	46.69 2.46 0.00	49.51 3.09 0.00	51.22 3.71 0.00	50.51 3.84 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.06 3.48 0.00	52.29 3.28 0.00	55.74 3.02 0.00	57.16 2.88 0.00	74.62 3.82 0.00	73.23 3.49 0.00	56.00 2.62 0.00	48.99 2.34 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NYPA_HARLEM__RVR__GT1 24160	50.81 2.67 0.00	40.33 1.92 0.00	42.57 1.83 0.00	45.32 1.69 0.00	44.48 1.75 0.00	48.99 1.95 0.00	57.43 1.88 0.01	65.92 2.56 0.00	46.44 2.21 0.00	49.32 2.89 0.00	50.99 3.48 0.00	50.25 3.59 0.00	53.38 3.64 0.00	52.52 3.67 0.00	47.92 3.34 0.00	52.12 3.12 0.00	55.61 2.89 0.00	57.00 2.72 0.00	74.38 3.57 0.00	72.99 3.25 0.00	55.86 2.49 0.00	48.88 2.23 0.00	46.40 2.10 0.00	49.16 2.21 0.00
NYPA_HARLEM__RVR__GT2 24161	50.81 2.67 0.00	40.33 1.92 0.00	42.57 1.83 0.00	45.32 1.69 0.00	44.48 1.75 0.00	48.99 1.95 0.00	57.43 1.88 0.01	65.92 2.56 0.00	46.44 2.21 0.00	49.32 2.89 0.00	50.99 3.48 0.00	50.25 3.59 0.00	53.38 3.64 0.00	52.52 3.67 0.00	47.92 3.34 0.00	52.12 3.12 0.00	55.61 2.89 0.00	57.00 2.72 0.00	74.38 3.57 0.00	72.99 3.25 0.00	55.86 2.49 0.00	48.88 2.23 0.00	46.40 2.10 0.00	49.16 2.21 0.00
NYPA_KENT____GT 24152	50.90 2.76 0.00	40.48 2.07 0.00	42.71 1.96 0.00	45.47 1.84 0.00	44.63 1.90 0.00	49.18 2.15 0.00	57.68 2.13 0.00	66.14 2.79 0.00	46.56 2.34 0.00	49.43 3.00 0.00	51.16 3.65 0.00	50.45 3.79 0.00	53.57 3.84 0.00	52.59 3.74 0.00	48.03 3.45 0.00	52.27 3.27 0.00	55.72 3.00 0.00	57.07 2.79 0.00	74.51 3.71 0.00	73.12 3.38 0.00	55.93 2.55 0.00	48.94 2.28 0.00	46.44 2.15 0.00	49.22 2.28 0.00
NYPA_POUCH1____GT 24155	50.92 2.78 0.00	40.73 2.31 0.00	42.97 2.22 0.00	45.76 2.12 0.00	44.91 2.18 0.00	49.49 2.46 0.00	58.06 2.50 0.00	66.44 3.08 0.00	46.75 2.53 0.00	49.53 3.10 0.00	51.22 3.70 0.00	50.51 3.84 0.00	53.67 3.93 0.00	52.66 3.81 0.00	48.06 3.48 0.00	52.30 3.30 0.00	55.75 3.03 0.00	57.22 2.94 0.00	74.70 3.89 0.00	73.30 3.55 0.00	56.06 2.68 0.00	49.01 2.36 0.00	46.48 2.18 0.00	49.26 2.32 0.00
NYPA_VERNON____GT2 24162	50.86 2.72 0.00	40.41 1.99 0.00	42.63 1.89 0.00	45.41 1.78 0.00	44.57 1.84 0.00	49.10 2.06 0.00	57.55 2.00 0.00	65.97 2.61 0.00	46.45 2.22 0.00	49.33 2.90 0.00	51.10 3.59 0.00	50.40 3.74 0.00	53.48 3.75 0.00	52.53 3.68 0.00	47.99 3.41 0.00	52.24 3.23 0.00	55.67 2.95 0.00	56.97 2.69 0.00	74.39 3.59 0.00	72.98 3.25 0.00	55.83 2.46 0.00	48.88 2.23 0.00	46.41 2.12 0.00	49.18 2.24 0.00
NYPA_VERNON____GT3 24163	50.86 2.72 0.00	40.41 1.99 0.00	42.63 1.89 0.00	45.41 1.78 0.00	44.57 1.84 0.00	49.10 2.06 0.00	57.55 2.00 0.00	65.97 2.61 0.00	46.45 2.22 0.00	49.33 2.90 0.00	51.10 3.59 0.00	50.40 3.74 0.00	53.48 3.75 0.00	52.53 3.68 0.00	47.99 3.41 0.00	52.24 3.23 0.00	55.67 2.95 0.00	56.97 2.69 0.00	74.39 3.59 0.00	72.98 3.25 0.00	55.83 2.46 0.00	48.88 2.23 0.00	46.41 2.12 0.00	49.18 2.24 0.00
NYPA____ASTORIA_CC1 323568	50.79 2.65 0.00	40.34 1.93 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.43 1.88 0.00	65.82 2.47 0.00	46.34 2.12 0.00	49.24 2.82 0.00	51.01 3.50 0.00	50.30 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.32 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.87 2.59 0.00	74.25 3.45 0.00	72.86 3.12 0.00	55.73 2.36 0.00	48.79 2.14 0.00	46.33 2.04 0.00	49.09 2.15 0.00
NYPA____ASTORIA_CC2 323569	50.79 2.65 0.00	40.34 1.93 0.00	42.58 1.83 0.00	45.33 1.70 0.00	44.50 1.77 0.00	49.01 1.97 0.00	57.43 1.88 0.00	65.82 2.47 0.00	46.34 2.12 0.00	49.24 2.82 0.00	51.01 3.50 0.00	50.30 3.64 0.00	53.38 3.65 0.00	52.44 3.59 0.00	47.91 3.32 0.00	52.13 3.13 0.00	55.56 2.84 0.00	56.87 2.59 0.00	74.25 3.45 0.00	72.86 3.12 0.00	55.73 2.36 0.00	48.79 2.14 0.00	46.33 2.04 0.00	49.09 2.15 0.00
NYPA____HOLTSVILL 23794	50.92 2.78 0.00	40.59 1.97 -0.20	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.38 0.00	46.57 1.06 1.52	26.72 0.66 29.50	42.32 1.01 22.04	36.28 1.04 8.98	48.30 1.88 0.00	50.23 2.71 0.00	50.12 3.19 -0.27	52.80 3.00 -0.07	52.24 3.19 -0.21	49.47 2.92 -1.97	49.78 2.16 1.38	46.68 1.67 7.71	54.59 1.41 1.10	73.13 2.33 0.00	71.53 1.79 0.00	54.97 1.60 0.00	47.93 1.28 0.00	46.36 1.83 -0.23	48.82 1.88 0.00
NYPA____HELLGATE_GT1 24158	50.81 2.67 0.00	40.33 1.92 0.00	42.57 1.83 0.00	45.33 1.69 0.00	44.48 1.75 0.00	48.99 1.95 0.00	57.43 1.88 0.00	65.92 2.56 0.00	46.44 2.21 0.00	49.32 2.89 0.00	50.99 3.48 0.00	50.25 3.59 0.00	53.38 3.64 0.00	52.52 3.67 0.00	47.94 3.36 0.00	52.17 3.16 0.00	55.63 2.91 0.00	57.00 2.72 0.00	74.38 3.57 0.00	72.99 3.25 0.00	55.86 2.49 0.00	48.87 2.22 0.00	46.40 2.10 0.00	49.16 2.21 0.00
NYPA____HELLGATE_GT2 24159	50.81 2.67 0.00	40.33 1.92 0.00	42.57 1.83 0.00	45.33 1.69 0.00	44.48 1.75 0.00	48.99 1.95 0.00	57.43 1.88 0.00	65.92 2.56 0.00	46.44 2.21 0.00	49.32 2.89 0.00	50.99 3.48 0.00	50.25 3.59 0.00	53.38 3.64 0.00	52.52 3.67 0.00	47.94 3.36 0.00	52.17 3.16 0.00	55.63 2.91 0.00	57.00 2.72 0.00	74.38 3.57 0.00	72.99 3.25 0.00	55.86 2.49 0.00	48.87 2.22 0.00	46.40 2.10 0.00	49.16 2.21 0.00
NYS_BARGE____HYD 23848	45.99 -1.99 0.16	36.17 -1.64 0.61	37.26 -2.07 1.42	41.65 -1.44 0.55	40.51 -1.62 0.60	45.48 -0.92 0.64	51.78 -2.36 1.42	60.05 -2.85 0.46	40.56 -2.18 1.48	42.53 -2.86 1.05	43.39 -3.57 0.56	42.99 -3.52 0.15	46.91 -2.83 0.00	45.15 -2.88 0.82	40.56 -3.22 0.80	44.58 -3.10 1.32	47.67 -4.14 0.91	48.61 -4.88 0.79	63.43 -6.45 0.92	62.71 -6.05 0.99	43.57 -5.08 4.72	41.52 -4.11 1.02	40.26 -3.19 0.85	44.82 -1.63 0.49
OAK ORCHARD____HYD 24046	47.19 -0.88 0.07	37.40 -0.76 0.26	38.94 -0.99 0.82	42.72 -0.68 0.24	41.75 -0.72 0.26	46.49 -0.27 0.27	54.33 -0.62 0.61	62.46 -0.67 0.23	42.89 -0.61 0.73	44.81 -1.10 0.52	45.66 -1.58 0.28	44.93 -1.66 0.07	48.31 -1.42 0.00	47.17 -1.32 0.36	42.72 -1.47 0.40	47.00 -1.36 0.64	50.71 -1.62 0.39	52.16 -1.78 0.34	68.13 -2.26 0.41	67.21 -2.09 0.44	48.54 -1.93 2.91	44.48 -1.61 0.56	42.64 -1.28 0.38	46.01 -0.71 0.22

OAKDALE___35_KV_LOAD 356122	48.25 0.11 0.00	38.44 0.02 0.00	40.40 -0.09 0.27	43.71 0.07 0.00	42.73 -0.01 0.00	47.31 0.27 0.00	55.63 0.08 0.00	63.81 0.45 0.00	44.44 0.21 0.00	46.62 0.19 0.00	47.55 0.04 0.00	46.80 0.14 0.00	49.97 0.24 0.00	49.05 0.20 0.00	44.58 0.00 0.00	49.03 0.02 0.00	52.46 -0.27 0.00	54.00 -0.28 0.00	70.56 -0.24 0.00	69.56 -0.18 0.00	51.43 -0.32 1.62	46.10 -0.34 0.21	44.07 -0.23 0.00	46.97 0.03 0.00
OCC_CHEM___DRP 24175	45.62 -2.52 0.00	36.32 -2.09 0.00	37.29 -2.53 0.93	41.72 -1.91 0.00	40.62 -2.11 0.00	45.58 -1.46 0.00	52.48 -3.08 0.00	59.38 -3.98 0.00	41.30 -2.92 0.00	42.90 -3.53 0.00	43.29 -4.22 0.00	42.39 -4.28 0.00	46.10 -3.64 0.00	45.44 -3.41 0.00	40.91 -3.68 0.00	45.34 -3.66 0.00	47.95 -4.78 0.00	48.52 -5.76 0.00	63.11 -7.69 0.00	62.50 -7.24 0.00	43.04 -5.98 4.35	41.20 -4.88 0.57	40.47 -3.82 0.00	44.71 -2.24 0.00
OH_GEN_PROXY 24063	45.50 -2.44 0.20	35.64 -2.01 0.75	36.72 -2.45 1.58	41.09 -1.87 0.68	39.95 -2.04 0.75	44.85 -1.39 0.79	51.02 -2.78 1.76	59.46 -3.33 0.57	39.90 -2.50 1.82	42.07 -3.06 1.30	43.11 -3.71 0.69	42.74 -3.74 0.19	46.61 -3.13 0.00	44.89 -2.94 1.02	40.36 -3.23 0.99	44.16 -3.21 1.64	47.33 -4.26 1.13	48.14 -5.15 0.98	62.82 -6.82 1.16	62.10 -6.39 1.24	43.01 -5.39 4.97	41.09 -4.41 1.16	39.81 -3.42 1.06	44.25 -2.07 0.62
OLIN_CORP_DRP 24177	45.57 -2.57 0.00	36.30 -2.12 0.00	37.26 -2.56 0.94	41.71 -1.92 0.00	40.58 -2.15 0.00	45.49 -1.55 0.00	52.33 -3.22 0.00	59.43 -3.93 0.00	41.26 -2.96 0.00	42.85 -3.59 0.00	43.28 -4.24 0.00	42.53 -4.13 0.00	46.36 -3.37 0.00	45.37 -3.48 0.00	40.81 -3.78 0.00	45.30 -3.71 0.00	47.83 -4.89 0.00	48.50 -5.79 0.00	63.08 -7.72 0.00	62.48 -7.26 0.00	43.08 -5.91 4.39	41.24 -4.83 0.58	40.42 -3.88 0.00	44.69 -2.26 0.00
OLIN_CORP_DSASP 323712	45.43 -2.52 0.19	35.64 -2.07 0.71	36.68 -2.52 1.55	41.09 -1.90 0.64	39.93 -2.10 0.71	44.84 -1.45 0.75	50.83 -3.07 1.66	58.84 -3.98 0.53	39.61 -2.90 1.71	41.69 -3.52 1.22	42.66 -4.20 0.65	42.23 -4.26 0.17	46.11 -3.63 0.00	44.50 -3.39 0.96	40.01 -3.64 0.93	43.82 -3.64 1.54	46.90 -4.75 1.07	47.60 -5.76 0.93	62.05 -7.67 1.08	61.35 -7.24 1.16	42.42 -5.94 5.03	40.63 -4.90 1.13	39.51 -3.80 0.99	44.17 -2.19 0.58
ONEIDA_HERK_LFGE 323681	49.66 1.52 0.00	39.57 1.16 0.00	42.01 1.26 0.00	45.00 1.37 0.00	44.14 1.40 0.00	48.74 1.71 0.00	57.76 2.21 0.00	66.03 2.67 0.00	45.91 1.69 0.00	47.65 1.22 0.00	48.25 0.73 0.00	47.31 0.64 0.00	50.40 0.67 0.00	49.49 0.64 0.00	45.18 0.60 0.00	49.79 0.78 0.00	53.86 1.14 0.00	56.01 1.73 0.00	73.42 2.62 0.00	72.30 2.56 0.00	55.13 1.75 0.00	47.95 1.30 0.00	45.43 1.13 0.00	48.01 1.07 0.00
ONEIDA___115KV_TB4 55905	49.51 1.37 0.00	39.43 1.02 0.00	42.01 1.09 -0.18	44.85 1.22 0.00	43.98 1.25 0.00	48.62 1.59 0.00	57.71 2.15 0.00	66.03 2.68 0.00	45.95 1.73 0.00	47.68 1.25 0.00	48.32 0.81 0.00	47.36 0.70 0.00	50.47 0.73 0.00	49.59 0.74 0.00	45.26 0.68 0.00	49.93 0.93 0.00	54.02 1.30 0.00	55.91 1.63 0.00	73.21 2.40 0.00	72.03 2.29 0.00	56.03 1.61 -1.04	48.03 1.25 -0.14	45.36 1.07 0.00	48.02 1.08 0.00
ONONDAGA_REF_OCCRA 23987	47.85 -0.29 0.00	38.20 -0.22 0.00	40.73 -0.31 -0.29	43.37 -0.26 0.00	42.49 -0.24 0.00	46.89 -0.14 0.00	55.43 -0.12 0.00	63.41 0.06 0.00	44.18 -0.04 0.00	46.12 -0.31 0.00	46.95 -0.57 0.00	46.05 -0.61 0.00	49.04 -0.69 0.00	48.19 -0.66 0.00	43.97 -0.61 0.00	48.40 -0.61 0.00	52.11 -0.61 0.00	53.85 -0.43 0.00	70.36 -0.44 0.00	69.31 -0.43 0.00	54.64 -0.44 -1.71	46.45 -0.42 -0.22	43.86 -0.44 0.00	46.54 -0.40 0.00
ONONDAGA___COGEN 23986	47.67 -0.47 0.00	38.05 -0.37 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.72 -0.31 0.00	55.20 -0.35 0.00	63.03 -0.33 0.00	43.91 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 -0.02	48.87 -0.87 0.00	48.01 -0.84 0.00	43.81 -0.77 0.00	48.21 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.13 -0.62 0.00	52.76 -0.62 0.00	46.09 -0.56 0.00	43.74 -0.56 0.00	46.40 -0.54 0.00
ONTARIO___LFGE 23819	47.72 -0.47 -0.04	38.09 -0.48 -0.16	39.04 -0.67 1.04	43.47 -0.31 -0.14	42.51 -0.39 -0.16	47.37 0.16 -0.17	55.85 -0.08 -0.38	64.01 0.52 -0.14	44.80 0.13 -0.44	46.50 -0.25 -0.31	46.76 -0.92 -0.17	45.65 -1.07 -0.05	48.77 -0.96 0.00	48.12 -0.95 -0.22	43.69 -1.13 -0.24	48.27 -1.09 -0.36	51.55 -1.41 -0.24	53.32 -1.08 -0.12	69.72 -1.09 0.00	68.77 -0.98 0.00	47.12 -1.05 5.21	45.16 -0.80 0.68	43.67 -0.63 0.00	46.73 -0.21 0.00
ORANGEVILLE_WT_PWR 323706	45.90 -2.24 0.00	36.54 -1.88 0.00	37.06 -2.25 1.44	42.05 -1.59 0.00	41.06 -1.67 0.00	46.29 -0.75 0.00	53.88 -1.67 0.00	61.92 -1.43 0.00	42.84 -1.39 0.00	44.23 -2.20 0.00	44.52 -3.00 0.00	43.72 -2.95 0.00	47.27 -2.46 0.00	46.48 -2.38 0.00	41.75 -2.83 0.00	46.36 -2.65 0.00	49.05 -3.67 0.00	50.46 -3.83 0.00	65.64 -5.17 0.00	64.68 -5.06 0.00	42.64 -4.27 6.46	42.31 -3.49 0.85	41.58 -2.72 0.00	45.47 -1.47 0.00
ORANGEVILLE___ESR 323794	45.90 -2.24 0.00	36.54 -1.88 0.00	37.06 -2.25 1.44	42.05 -1.59 0.00	41.06 -1.67 0.00	46.29 -0.75 0.00	53.88 -1.67 0.00	61.92 -1.43 0.00	42.84 -1.39 0.00	44.23 -2.20 0.00	44.52 -3.00 0.00	43.72 -2.95 0.00	47.27 -2.46 0.00	46.48 -2.38 0.00	41.75 -2.83 0.00	46.36 -2.65 0.00	49.05 -3.67 0.00	50.46 -3.83 0.00	65.64 -5.17 0.00	64.68 -5.06 0.00	42.64 -4.27 6.46	42.31 -3.49 0.85	41.58 -2.72 0.00	45.47 -1.47 0.00
OSWEGATCHIE___HYD 24044	50.08 1.94 0.00	39.90 1.48 0.00	42.37 1.62 0.00	45.49 1.85 0.00	44.59 1.85 0.00	49.26 2.22 0.00	58.14 2.59 0.00	66.50 3.15 0.00	46.12 1.90 0.00	47.98 1.55 0.00	48.40 0.88 0.00	47.37 0.70 -0.01	50.56 0.82 0.00	49.61 0.76 0.00	45.24 0.66 0.00	49.72 0.72 0.00	53.76 1.04 0.00	56.29 2.01 0.00	74.02 3.22 0.00	72.95 3.21 0.00	55.62 2.25 0.00	48.46 1.81 0.00	46.09 1.80 0.00	48.61 1.67 0.00
OSWEGO___5 23606	46.89 -1.26 0.00	37.45 -0.96 0.00	39.67 -1.08 0.00	42.54 -1.09 0.00	41.66 -1.07 0.00	45.93 -1.10 0.00	54.23 -1.32 0.00	61.88 -1.48 0.00	43.16 -1.07 0.00	45.16 -1.27 0.00	46.04 -1.47 0.00	45.36 -1.43 -0.12	48.18 -1.55 0.00	47.35 -1.51 0.00	43.22 -1.36 0.00	47.53 -1.48 0.00	51.17 -1.55 0.00	52.80 -1.48 0.00	68.88 -1.92 0.00	67.86 -1.88 0.00	51.88 -1.50 0.00	45.34 -1.31 0.00	43.06 -1.24 0.00	45.68 -1.26 0.00
OSWEGO___6 23613	46.89 -1.26 0.00	37.45 -0.96 0.00	39.67 -1.08 0.00	42.54 -1.09 0.00	41.66 -1.07 0.00	45.93 -1.10 0.00	54.23 -1.32 0.00	61.88 -1.48 0.00	43.16 -1.07 0.00	45.16 -1.27 0.00	46.04 -1.47 0.00	45.36 -1.43 -0.12	48.18 -1.55 0.00	47.35 -1.51 0.00	43.22 -1.36 0.00	47.53 -1.48 0.00	51.17 -1.55 0.00	52.80 -1.48 0.00	68.88 -1.92 0.00	67.86 -1.88 0.00	51.88 -1.50 0.00	45.34 -1.31 0.00	43.06 -1.24 0.00	45.68 -1.26 0.00

OUTOKUMPU-AB___DRP 24206	46.43 -1.71 0.00	36.96 -1.46 0.00	37.92 -1.88 0.95	42.42 -1.22 0.00	41.31 -1.42 0.00	46.38 -0.65 0.00	53.55 -2.00 0.00	60.98 -2.38 0.00	42.36 -1.87 0.00	43.98 -2.45 0.00	44.35 -3.16 0.00	43.46 -3.21 0.00	47.21 -2.53 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.33 -2.67 0.00	49.01 -3.71 0.00	49.80 -4.48 0.00	64.86 -5.95 0.00	64.21 -5.53 0.00	44.18 -4.73 4.47	42.22 -3.85 0.59	41.36 -2.94 0.00	45.56 -1.38 0.00
OXBOW___BTM 323836	45.80 -2.15 0.19	35.92 -1.79 0.71	36.95 -2.23 1.57	41.39 -1.60 0.64	40.23 -1.80 0.71	45.20 -1.09 0.75	51.33 -2.57 1.66	59.60 -3.23 0.53	40.11 -2.41 1.71	42.20 -3.01 1.22	43.16 -3.71 0.65	42.73 -3.76 0.17	46.62 -3.11 0.00	44.96 -2.93 0.96	40.41 -3.24 0.93	44.29 -3.17 1.54	47.42 -4.23 1.07	48.23 -5.13 0.92	62.91 -6.82 1.08	62.18 -6.41 1.15	42.94 -5.35 5.08	41.12 -4.39 1.14	39.93 -3.38 0.99	44.56 -1.81 0.58
OXBOW___ 24026	45.99 -2.15 0.00	36.61 -1.81 0.00	37.57 -2.24 0.94	42.02 -1.61 0.00	40.92 -1.81 0.00	45.94 -1.10 0.00	52.98 -2.58 0.00	60.14 -3.22 0.00	41.80 -2.42 0.00	43.41 -3.02 0.00	43.78 -3.73 0.00	42.90 -3.77 0.00	46.61 -3.12 0.00	45.90 -2.95 0.00	41.31 -3.27 0.00	45.81 -3.20 0.00	48.45 -4.27 0.00	49.15 -5.13 0.00	63.95 -6.85 0.00	63.33 -6.42 0.00	43.57 -5.39 4.41	41.68 -4.39 0.58	40.89 -3.41 0.00	45.10 -1.84 0.00
OXY_CHEM_DSASP 323612	45.62 -2.52 0.00	36.32 -2.09 0.00	37.29 -2.53 0.93	41.72 -1.91 0.00	40.62 -2.11 0.00	45.58 -1.46 0.00	52.48 -3.08 0.00	59.38 -3.98 0.00	41.30 -2.92 0.00	42.90 -3.53 0.00	43.29 -4.22 0.00	42.39 -4.28 0.00	46.10 -3.64 0.00	45.44 -3.41 0.00	40.91 -3.68 0.00	45.34 -3.66 0.00	47.95 -4.78 0.00	48.52 -5.76 0.00	63.11 -7.69 0.00	62.50 -7.24 0.00	43.04 -5.98 4.35	41.20 -4.88 0.57	40.47 -3.82 0.00	44.71 -2.24 0.00
OZONE_PARK_ESR 323760	51.41 3.27 0.00	40.75 2.34 0.00	43.00 2.26 0.00	45.82 2.18 0.00	44.96 2.23 0.00	49.55 2.51 0.00	58.23 2.68 0.00	66.84 3.49 0.00	47.01 2.79 0.00	49.83 3.40 0.00	51.65 4.14 0.00	50.98 4.32 0.00	54.16 4.42 0.00	53.19 4.34 0.00	48.53 3.95 0.00	52.90 3.89 0.00	56.44 3.72 0.00	57.73 3.45 0.00	75.44 4.63 0.00	74.03 4.28 0.00	56.58 3.20 0.00	49.43 2.78 0.00	46.98 2.68 0.00	49.68 2.74 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	45.62 -2.52 0.00	36.32 -2.09 0.00	37.29 -2.53 0.93	41.72 -1.91 0.00	40.62 -2.11 0.00	45.58 -1.46 0.00	52.48 -3.08 0.00	59.38 -3.98 0.00	41.30 -2.92 0.00	42.90 -3.53 0.00	43.29 -4.22 0.00	42.39 -4.28 0.00	46.10 -3.64 0.00	45.44 -3.41 0.00	40.91 -3.68 0.00	45.34 -3.66 0.00	47.95 -4.78 0.00	48.52 -5.76 0.00	63.11 -7.69 0.00	62.50 -7.24 0.00	43.04 -5.98 4.35	41.20 -4.88 0.57	40.47 -3.82 0.00	44.71 -2.24 0.00
PACKARD___115KV_DUPONT_184 80571	45.43 -2.52 0.19	35.64 -2.07 0.71	36.68 -2.52 1.55	41.09 -1.90 0.64	39.93 -2.10 0.71	44.84 -1.45 0.75	50.83 -3.07 1.66	58.84 -3.98 0.53	39.61 -2.90 1.71	41.69 -3.52 1.22	42.66 -4.20 0.65	42.23 -4.26 0.17	46.11 -3.63 0.00	44.50 -3.39 0.96	40.01 -3.64 0.93	43.82 -3.64 1.54	46.90 -4.75 1.07	47.60 -5.76 0.93	62.05 -7.67 1.08	61.35 -7.24 1.16	42.42 -5.94 5.03	40.63 -4.90 1.13	39.51 -3.80 0.99	44.17 -2.19 0.58
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	50.92 2.78 0.00	40.45 2.03 0.00	42.68 1.93 0.00	45.45 1.81 0.00	44.60 1.87 0.00	49.11 2.08 0.00	57.59 2.04 0.00	66.03 2.67 0.00	46.45 2.23 0.00	49.29 2.87 0.00	50.95 3.43 0.00	50.22 3.56 0.00	53.31 3.57 0.00	52.42 3.57 0.00	47.84 3.26 0.00	52.07 3.06 0.00	55.55 2.83 0.00	56.92 2.64 0.00	74.34 3.54 0.00	73.03 3.29 0.00	55.90 2.52 0.00	48.89 2.24 0.00	46.39 2.09 0.00	49.14 2.19 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	51.89 3.75 0.00	41.28 2.87 0.00	43.51 2.76 0.00	46.41 2.77 0.00	45.58 2.85 0.00	50.23 3.19 0.00	58.96 3.41 0.00	67.45 4.09 0.00	47.43 3.20 0.00	50.22 3.79 0.00	51.85 4.34 0.00	51.14 4.48 0.00	54.31 4.58 0.00	53.42 4.57 0.00	48.71 4.12 0.00	52.98 3.98 0.00	56.52 3.80 0.00	57.95 3.67 0.00	75.68 4.88 0.00	74.33 4.59 0.00	56.88 3.51 0.00	49.77 3.12 0.00	47.22 2.92 0.00	50.02 3.08 0.00
PATROON___115KV_TB1 80586	48.47 0.33 0.00	38.74 0.33 0.00	41.17 0.42 0.00	43.85 0.22 0.00	42.98 0.25 0.00	47.13 0.10 0.00	55.47 -0.08 0.00	63.09 -0.27 0.00	44.25 0.03 0.00	46.63 0.20 0.00	47.90 0.39 0.00	47.02 0.36 0.00	50.11 0.38 0.00	49.25 0.39 0.00	45.03 0.44 0.00	49.54 0.54 0.00	53.31 0.59 0.00	54.70 0.42 0.00	71.07 0.26 0.00	69.95 0.21 0.00	53.68 0.31 0.00	46.95 0.30 0.00	44.44 0.14 0.00	47.07 0.12 0.00
PATTRSNVILLE___SOLAR 323815	49.37 1.23 0.00	39.41 0.99 0.00	41.79 1.04 0.00	44.66 1.03 0.00	43.79 1.06 0.00	48.18 1.14 0.00	56.87 1.31 0.00	64.87 1.51 0.00	45.07 0.84 0.00	46.89 0.46 0.00	47.90 0.38 0.00	47.08 0.42 0.00	50.17 0.44 0.00	49.43 0.57 0.00	45.19 0.61 0.00	49.91 0.91 0.00	53.92 1.20 0.00	55.68 1.40 0.00	72.56 1.75 0.00	71.39 1.65 0.00	54.65 1.28 0.00	47.75 1.10 0.00	45.25 0.95 0.00	47.93 0.99 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	46.48 -1.66 0.00	37.03 -1.39 0.00	37.89 -1.80 1.06	42.47 -1.16 0.00	41.38 -1.36 0.00	46.52 -0.51 0.00	53.91 -1.64 0.00	61.74 -1.62 0.00	42.90 -1.32 0.00	44.65 -1.78 0.00	45.07 -2.45 0.00	44.15 -2.51 0.00	47.78 -1.95 0.00	47.04 -1.81 0.00	42.35 -2.24 0.00	46.91 -2.10 0.00	49.60 -3.12 0.00	50.57 -3.72 0.00	65.89 -4.92 0.00	65.21 -4.53 0.00	44.30 -4.04 5.04	42.66 -3.33 0.66	41.78 -2.52 0.00	45.73 -1.21 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	50.92 2.78 0.00	40.44 2.03 0.00	42.71 1.96 0.00	45.52 1.89 0.00	44.65 1.92 0.00	49.19 2.15 0.00	57.84 2.28 0.00	66.33 2.97 0.00	46.61 2.39 0.00	49.33 2.90 0.00	51.06 3.54 0.00	50.33 3.67 0.00	53.45 3.72 0.00	52.51 3.66 0.00	47.90 3.31 0.00	52.26 3.25 0.00	55.87 3.15 0.00	57.25 2.97 0.00	74.81 4.00 0.00	73.42 3.68 0.00	56.13 2.76 0.00	49.02 2.37 0.00	46.55 2.25 0.00	49.27 2.33 0.00
PEEKSKILL___ 23653	50.53 2.39 0.00	40.09 1.68 0.00	42.36 1.61 0.00	45.13 1.49 0.00	44.29 1.56 0.00	48.76 1.73 0.00	57.26 1.71 0.00	65.67 2.32 0.00	46.15 1.92 0.00	48.89 2.46 0.00	50.64 3.13 0.00	49.96 3.30 0.00	53.09 3.35 0.00	52.14 3.28 0.00	47.55 2.97 0.00	51.85 2.84 0.00	55.37 2.65 0.00	56.67 2.39 0.00	74.05 3.25 0.00	72.67 2.93 0.00	55.54 2.17 0.00	48.51 1.86 0.00	46.12 1.82 0.00	48.86 1.91 0.00
PGE MADISON___WINDPWR 24146	51.25 3.11 0.00	40.90 2.48 0.00	44.99 2.63 -1.62	46.64 3.01 0.00	45.78 3.05 0.00	50.89 3.86 0.00	60.32 4.77 0.00	69.33 5.98 0.00	47.81 3.58 0.00	49.30 2.87 0.00	49.93 2.42 0.00	49.26 2.60 0.00	52.48 2.74 0.00	51.37 2.52 0.00	46.72 2.14 0.00	51.62 2.61 0.00	55.81 3.09 0.00	58.34 4.06 0.00	76.61 5.80 0.00	75.24 5.49 0.00	64.86 3.57 -7.91	50.37 2.68 -1.04	46.67 2.37 0.00	49.23 2.29 0.00

PIERCEFIELD___HYD 23852	50.03 1.89 0.00	39.84 1.43 0.00	42.34 1.59 0.00	45.46 1.83 0.00	44.56 1.83 0.00	49.22 2.18 0.00	58.11 2.55 0.00	66.36 3.01 0.00	46.07 1.84 0.00	48.25 1.82 0.00	48.97 1.46 0.00	47.90 1.24 0.00	51.18 1.45 0.00	50.19 1.34 0.00	45.75 1.17 0.00	50.20 1.20 0.00	54.14 1.42 0.00	56.23 1.95 0.00	73.66 2.85 0.00	72.59 2.85 0.00	55.47 2.09 0.00	48.57 1.92 0.00	46.35 2.06 0.00	48.93 1.99 0.00
PINELAWN_CC_1 323563	51.21 3.07 0.00	41.09 2.19 -0.50	42.78 2.03 0.00	45.56 1.92 0.00	44.43 1.70 0.00	46.93 1.23 1.34	30.42 0.72 25.85	45.17 1.18 19.36	37.52 1.18 7.89	48.40 1.97 0.00	50.43 2.92 0.00	50.57 3.20 -0.70	53.17 3.11 -0.33	52.58 3.21 -0.51	50.04 2.90 -2.55	50.10 2.26 1.17	48.02 1.80 6.50	55.01 1.66 0.93	73.43 2.63 0.00	71.84 2.09 0.00	55.15 1.77 0.00	48.14 1.49 0.00	46.80 2.24 -0.26	49.25 2.30 0.00
PJM_GEN_HTTP_PROXY 323702	50.96 2.82 0.00	40.43 2.01 0.00	42.68 1.93 0.00	45.47 1.83 0.00	44.61 1.88 0.00	49.27 2.10 -0.13	57.70 2.15 0.00	66.18 2.83 0.00	46.53 2.30 0.00	49.37 2.94 0.00	51.18 3.66 0.00	50.51 3.85 0.00	53.65 3.92 0.00	52.68 3.83 0.00	48.08 3.50 0.00	53.13 3.40 -0.72	55.92 3.20 0.00	57.18 2.90 0.00	74.68 3.88 0.00	73.28 3.54 0.00	56.01 2.63 0.00	48.95 2.30 0.00	46.54 2.24 0.00	49.25 2.31 0.00
PJM_GEN_KEystone 24065	50.72 0.27 -2.31	35.97 -0.03 2.41	39.27 -0.28 1.20	42.79 -0.14 0.70	41.50 -0.35 0.87	46.37 0.13 0.79	53.02 -0.48 2.06	63.95 -0.06 -0.66	42.00 -0.03 2.19	45.10 0.18 1.51	46.99 0.27 0.80	46.88 0.43 0.22	50.41 0.67 0.00	48.29 0.63 1.19	44.32 0.29 0.55	48.46 0.21 0.75	50.82 -0.52 1.39	52.14 -0.98 1.16	68.30 -1.11 1.39	70.46 -1.05 -1.77	45.83 -1.16 6.38	44.58 -0.99 1.09	42.39 -0.64 1.27	46.15 -0.06 0.74
PJM_GEN_NEPTUNE_PROXY 323594	50.79 2.65 0.01	40.33 1.87 -0.04	42.45 1.70 0.00	45.21 1.57 0.00	44.14 1.41 0.00	46.80 1.27 1.50	24.80 0.93 31.69	41.13 1.47 23.69	35.93 1.36 9.65	48.54 2.11 0.00	50.55 3.03 0.00	50.02 3.32 -0.04	52.96 3.31 0.08	52.25 3.36 -0.04	49.25 3.00 -1.66	50.70 2.47 0.77	46.51 2.08 8.29	54.96 1.86 1.18	73.59 2.79 0.00	72.04 2.30 0.00	55.27 1.89 0.00	48.19 1.54 0.00	46.38 1.86 -0.22	48.87 1.93 0.00
PJM_GEN_VFT_PROXY 323633	40.87 2.69 9.96	39.48 1.82 0.75	39.00 1.72 3.48	39.52 1.60 5.72	39.90 1.67 4.50	45.09 1.89 3.83	57.09 1.91 0.37	64.41 2.62 1.56	34.77 2.15 11.60	39.61 2.77 9.59	51.00 3.48 0.00	50.34 3.68 0.00	53.47 3.74 0.00	40.82 3.65 11.68	40.55 3.33 7.36	41.49 3.21 10.72	48.95 2.98 6.75	56.96 2.68 0.00	74.44 3.63 0.00	73.05 3.30 0.00	51.05 2.43 4.75	40.19 2.11 8.58	39.64 2.06 6.71	40.07 2.12 8.99
PLATSBURG_115KV_PMLD1 355749	48.69 0.55 0.00	38.86 0.45 0.00	41.44 0.69 0.00	44.44 0.81 0.00	43.45 0.72 0.00	47.95 0.92 0.00	57.22 1.66 0.00	64.93 1.57 0.00	45.12 0.90 0.00	47.30 0.87 0.00	48.73 1.22 0.00	47.76 1.09 0.00	50.79 1.06 0.00	49.85 1.00 0.00	45.72 1.14 0.00	50.05 1.05 0.00	53.73 1.01 0.00	55.34 1.06 0.00	72.55 1.74 0.00	71.49 1.74 0.00	54.72 1.34 0.00	47.79 1.14 0.00	45.53 1.24 0.00	48.35 1.42 0.00
PLEASANTVLY___LBMP 24000	50.19 2.05 0.00	39.89 1.47 0.00	42.16 1.41 0.00	44.94 1.30 0.00	44.06 1.34 0.00	48.47 1.43 0.00	56.90 1.35 0.00	65.16 1.81 0.00	45.80 1.58 0.00	48.49 2.06 0.00	50.18 2.67 0.00	49.48 2.81 0.00	52.58 2.84 0.00	51.64 2.79 0.00	47.12 2.54 0.00	51.42 2.42 0.00	54.97 2.25 0.00	56.27 1.99 0.00	73.45 2.65 0.00	72.10 2.36 0.00	55.18 1.81 0.00	48.23 1.58 0.00	45.84 1.54 0.00	48.55 1.61 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	50.68 2.54 0.00	40.26 1.85 0.00	42.52 1.76 0.00	45.29 1.66 0.00	44.42 1.69 0.00	48.91 1.88 0.00	57.43 1.87 0.00	65.83 2.47 0.00	46.28 2.06 0.00	49.03 2.60 0.00	50.79 3.28 0.00	50.11 3.44 0.00	53.23 3.50 0.00	52.30 3.45 0.00	47.71 3.12 0.00	52.01 3.01 0.00	55.54 2.82 0.00	56.84 2.56 0.00	74.26 3.46 0.00	72.86 3.12 0.00	55.72 2.35 0.00	48.68 2.04 0.00	46.28 1.99 0.00	48.99 2.05 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	50.68 2.54 0.00	40.26 1.85 0.00	42.52 1.76 0.00	45.29 1.66 0.00	44.42 1.69 0.00	48.91 1.88 0.00	57.43 1.87 0.00	65.83 2.47 0.00	46.28 2.06 0.00	49.03 2.60 0.00	50.79 3.28 0.00	50.11 3.44 0.00	53.23 3.50 0.00	52.30 3.45 0.00	47.71 3.12 0.00	52.01 3.01 0.00	55.54 2.82 0.00	56.84 2.56 0.00	74.26 3.46 0.00	72.86 3.12 0.00	55.72 2.35 0.00	48.68 2.04 0.00	46.28 1.99 0.00	48.99 2.05 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	50.61 2.47 0.00	40.23 1.82 0.00	42.52 1.77 0.00	45.33 1.70 0.00	44.44 1.71 0.00	48.91 1.87 0.00	57.51 1.95 0.00	65.91 2.55 0.00	46.31 2.09 0.00	49.00 2.57 0.00	50.65 3.13 0.00	49.88 3.22 0.00	52.98 3.25 0.00	52.03 3.18 0.00	47.44 2.86 0.00	51.81 2.81 0.00	55.44 2.72 0.00	56.86 2.58 0.00	74.26 3.46 0.00	72.93 3.19 0.00	55.81 2.43 0.00	48.72 2.07 0.00	46.18 1.88 0.00	48.87 1.93 0.00
POLETTI____ 23519	50.75 2.61 0.00	40.27 1.86 0.00	42.52 1.77 0.00	45.26 1.63 0.00	44.43 1.70 0.00	48.92 1.89 0.00	57.38 1.83 0.00	65.93 2.57 0.00	46.48 2.26 0.00	49.36 2.93 0.00	51.04 3.53 0.00	50.28 3.62 0.00	53.40 3.67 0.00	52.59 3.74 0.00	47.99 3.41 0.00	52.21 3.21 0.00	55.70 2.98 0.00	57.07 2.79 0.00	74.47 3.66 0.00	73.06 3.32 0.00	55.91 2.53 0.00	48.91 2.26 0.00	46.44 2.14 0.00	49.19 2.24 0.00
POMONA___ESR 323819	50.65 2.51 0.00	40.16 1.75 0.00	42.43 1.69 0.00	45.21 1.58 0.00	44.39 1.66 0.00	48.90 1.86 0.00	57.43 1.87 0.00	65.86 2.50 0.00	46.31 2.08 0.00	49.05 2.62 0.00	50.80 3.29 0.00	50.13 3.47 0.00	53.29 3.55 0.00	52.31 3.46 0.00	47.71 3.13 0.00	52.01 3.01 0.00	55.51 2.79 0.00	56.82 2.53 0.00	74.26 3.46 0.00	72.86 3.12 0.00	55.66 2.28 0.00	48.60 1.95 0.00	46.19 1.90 0.00	48.95 2.01 0.00
PORT_JEFF_3 23555	50.92 2.79 0.00	40.60 1.98 -0.21	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.39 0.00	46.61 1.09 1.52	26.75 0.63 29.44	42.27 0.91 22.00	36.20 0.94 8.96	48.29 1.86 0.00	50.28 2.77 0.00	50.18 3.24 -0.28	52.87 3.06 -0.07	52.31 3.25 -0.21	49.52 2.96 -1.98	49.74 2.12 1.38	46.57 1.55 7.70	54.45 1.26 1.10	72.94 2.13 0.00	71.33 1.59 0.00	54.84 1.46 0.00	47.85 1.20 0.00	46.35 1.82 -0.23	48.86 1.92 0.00
PORT_JEFF_4 23616	50.92 2.79 0.00	40.60 1.98 -0.21	42.54 1.79 0.00	45.29 1.66 0.00	44.12 1.39 0.00	46.61 1.09 1.52	26.75 0.63 29.44	42.27 0.91 22.00	36.20 0.94 8.96	48.29 1.86 0.00	50.28 2.77 0.00	50.18 3.24 -0.28	52.87 3.06 -0.07	52.31 3.25 -0.21	49.52 2.96 -1.98	49.74 2.12 1.38	46.57 1.55 7.70	54.45 1.26 1.10	72.94 2.13 0.00	71.33 1.59 0.00	54.84 1.46 0.00	47.85 1.20 0.00	46.35 1.82 -0.23	48.86 1.92 0.00

PORT_JEFF_IC 23713	50.97 2.84 0.00	40.65 2.01 -0.22	42.58 1.83 0.00	45.33 1.69 0.00	44.16 1.43 0.00	46.64 1.12 1.51	27.01 0.69 29.24	42.51 1.00 21.85	36.34 1.02 8.90	48.35 1.92 0.00	50.35 2.84 0.00	50.25 3.29 -0.30	52.93 3.11 -0.09	52.40 3.32 -0.22	49.61 3.02 -2.00	49.84 2.21 1.37	46.73 1.65 7.65	54.59 1.39 1.09	73.11 2.31 0.00	71.49 1.75 0.00	54.94 1.56 0.00	47.93 1.28 0.00	46.42 1.89 -0.23	48.90 1.96 0.00
PPL PILGRIM_ST_GT1 24216	51.49 3.36 0.00	41.13 2.43 -0.30	43.04 2.29 0.00	45.82 2.19 0.00	44.66 1.93 0.00	47.28 1.71 1.47	28.55 1.28 28.29	44.13 1.91 21.14	37.29 1.67 8.61	49.01 2.58 0.00	51.07 3.55 0.00	50.91 3.84 -0.41	53.58 3.70 -0.15	53.00 3.85 -0.30	50.26 3.53 -2.14	50.62 2.95 1.33	47.77 2.44 7.40	55.61 2.38 1.05	74.50 3.70 0.00	72.78 3.04 0.00	55.87 2.49 0.00	48.63 1.98 0.00	46.95 2.41 -0.24	49.46 2.52 0.00
PPL PILGRIM_ST_GT2 24217	51.49 3.36 0.00	41.13 2.43 -0.30	43.04 2.29 0.00	45.82 2.19 0.00	44.66 1.93 0.00	47.28 1.71 1.47	28.55 1.28 28.29	44.13 1.91 21.14	37.29 1.67 8.61	49.01 2.58 0.00	51.07 3.55 0.00	50.91 3.84 -0.41	53.58 3.70 -0.15	53.00 3.85 -0.30	50.26 3.53 -2.14	50.62 2.95 1.33	47.77 2.44 7.40	55.61 2.38 1.05	74.50 3.70 0.00	72.78 3.04 0.00	55.87 2.49 0.00	48.63 1.98 0.00	46.95 2.41 -0.24	49.46 2.52 0.00
PPL_SHRM_GT3 24213	50.99 2.85 0.00	40.64 2.01 -0.21	42.58 1.83 0.00	45.34 1.70 0.00	44.16 1.43 0.00	46.68 1.15 1.52	27.05 0.83 29.33	42.63 1.19 21.92	36.43 1.14 8.93	48.44 2.01 0.00	50.19 2.68 0.00	50.25 3.30 -0.29	52.91 3.10 -0.08	52.38 3.31 -0.22	49.59 3.02 -1.99	49.90 2.28 1.38	46.87 1.82 7.67	54.78 1.59 1.09	73.41 2.61 0.00	71.82 2.08 0.00	55.21 1.83 0.00	48.11 1.46 0.00	46.54 2.01 -0.23	48.96 2.01 0.00
PPL_SHRM_GT4 24214	50.99 2.85 0.00	40.64 2.01 -0.21	42.58 1.83 0.00	45.34 1.70 0.00	44.16 1.43 0.00	46.68 1.15 1.52	27.05 0.83 29.33	42.63 1.19 21.92	36.43 1.14 8.93	48.44 2.01 0.00	50.19 2.68 0.00	50.25 3.30 -0.29	52.91 3.10 -0.08	52.38 3.31 -0.22	49.59 3.02 -1.99	49.90 2.28 1.38	46.87 1.82 7.67	54.78 1.59 1.09	73.41 2.61 0.00	71.82 2.08 0.00	55.21 1.83 0.00	48.11 1.46 0.00	46.54 2.01 -0.23	48.96 2.01 0.00
PROJECT___ORANGE 1 24174	47.41 -0.73 0.00	37.86 -0.56 0.00	40.09 -0.66 0.00	43.00 -0.64 0.00	42.11 -0.62 0.00	46.46 -0.57 0.00	54.90 -0.66 0.00	62.75 -0.61 0.00	43.75 -0.48 0.00	45.72 -0.71 0.00	46.59 -0.93 0.00	45.75 -0.91 0.00	48.74 -0.99 0.00	47.91 -0.94 0.00	43.71 -0.88 0.00	48.10 -0.91 0.00	51.78 -0.94 0.00	53.42 -0.86 0.00	69.71 -1.09 0.00	68.66 -1.09 0.00	52.47 -0.91 0.00	45.83 -0.82 0.00	43.51 -0.79 0.00	46.17 -0.77 0.00
PROJECT___ORANGE 2 24166	47.41 -0.73 0.00	37.86 -0.56 0.00	40.09 -0.66 0.00	43.00 -0.64 0.00	42.11 -0.62 0.00	46.46 -0.57 0.00	54.90 -0.66 0.00	62.75 -0.61 0.00	43.75 -0.48 0.00	45.72 -0.71 0.00	46.59 -0.93 0.00	45.75 -0.91 0.00	48.74 -0.99 0.00	47.91 -0.94 0.00	43.71 -0.88 0.00	48.10 -0.91 0.00	51.78 -0.94 0.00	53.42 -0.86 0.00	69.71 -1.09 0.00	68.66 -1.09 0.00	52.47 -0.91 0.00	45.83 -0.82 0.00	43.51 -0.79 0.00	46.17 -0.77 0.00
PUCKETT___SOLAR 323809	49.12 0.89 -0.08	39.42 0.69 -0.32	41.66 0.63 -0.28	44.76 0.84 -0.29	43.83 0.78 -0.32	48.56 1.19 -0.34	57.60 1.30 -0.75	65.44 1.82 -0.27	46.08 0.99 -0.86	47.76 0.71 -0.61	48.25 0.41 -0.33	47.31 0.56 -0.09	50.45 0.72 0.00	49.94 0.65 -0.44	45.32 0.29 -0.45	49.91 0.29 -0.62	53.52 0.32 -0.48	55.47 0.77 -0.42	72.63 1.32 -0.51	71.57 1.28 -0.54	54.34 0.65 -0.32	47.27 0.36 -0.26	45.15 0.39 -0.46	47.76 0.55 -0.27
PYRITES___HYD 24023	50.70 2.57 0.00	40.34 1.93 0.00	42.89 2.14 0.00	46.06 2.43 0.00	45.22 2.48 0.00	49.98 2.95 0.00	59.20 3.65 0.00	67.59 4.24 0.00	46.79 2.56 0.00	48.60 2.17 0.00	49.23 1.71 0.00	48.09 1.42 0.00	51.43 1.70 0.00	50.44 1.59 0.00	45.98 1.39 0.00	50.43 1.42 0.00	54.32 1.60 0.00	56.93 2.66 0.00	75.03 4.23 0.00	73.98 4.24 0.00	56.47 3.09 0.00	49.35 2.69 0.00	46.99 2.70 0.00	49.60 2.66 0.00
QUAKERRD_115KV_BK1 80622	46.25 -1.89 0.00	36.88 -1.54 0.00	38.49 -1.76 0.49	42.03 -1.60 0.00	41.13 -1.60 0.00	45.68 -1.35 0.00	53.78 -1.77 0.00	61.40 -1.96 0.00	42.72 -1.51 0.00	44.45 -1.98 0.00	45.09 -2.43 0.00	44.17 -2.49 0.00	47.34 -2.40 0.00	46.56 -2.29 0.00	42.30 -2.28 0.00	46.72 -2.29 0.00	50.20 -2.53 0.00	51.65 -2.63 0.00	67.39 -3.41 0.00	66.47 -3.27 0.00	48.39 -2.78 2.20	43.99 -2.38 0.29	42.21 -2.09 0.00	45.19 -1.75 0.00
QUENSBRY_115KV_TB8 356137	50.05 1.91 0.00	39.87 1.45 0.00	42.30 1.56 0.00	45.14 1.51 0.00	44.12 1.39 0.00	48.40 1.37 0.00	56.97 1.41 0.00	64.71 1.35 0.00	45.46 1.24 0.00	47.51 1.08 0.00	48.38 0.86 0.00	47.35 0.68 0.00	50.44 0.70 0.00	49.63 0.78 0.00	45.36 0.78 0.00	50.45 1.45 0.00	54.48 1.76 0.00	56.12 1.85 0.00	72.79 1.99 0.00	72.00 2.26 0.00	55.18 1.80 0.00	48.28 1.63 0.00	45.72 1.42 0.00	48.47 1.53 0.00
RAMAPO___LBMP 323565	50.48 2.33 0.00	40.03 1.61 0.00	42.28 1.53 0.00	45.06 1.43 0.00	44.25 1.51 0.00	48.73 1.70 0.00	57.23 1.67 0.00	65.62 2.27 0.00	46.10 1.87 0.00	48.82 2.40 0.00	50.56 3.04 0.00	49.90 3.24 0.00	53.04 3.30 0.00	52.07 3.22 0.00	47.47 2.89 0.00	51.77 2.76 0.00	55.27 2.55 0.00	56.58 2.30 0.00	73.95 3.15 0.00	72.56 2.82 0.00	55.44 2.06 0.00	48.41 1.76 0.00	46.02 1.72 0.00	48.78 1.84 0.00
RANKINE____ 23646	46.46 -1.68 0.00	36.96 -1.45 0.00	37.85 -1.86 1.04	42.45 -1.19 0.00	41.36 -1.37 0.00	46.51 -0.52 0.00	53.88 -1.67 0.00	61.66 -1.70 0.00	42.80 -1.42 0.00	44.50 -1.94 0.00	44.88 -2.64 0.00	44.00 -2.66 0.00	47.67 -2.06 0.00	46.90 -1.95 0.00	42.20 -2.39 0.00	46.78 -2.23 0.00	49.48 -3.24 0.00	50.37 -3.92 0.00	65.56 -5.25 0.00	64.87 -4.88 0.00	44.17 -4.27 4.94	42.52 -3.48 0.65	41.66 -2.63 0.00	45.69 -1.25 0.00
RAVENSWOOD_GT2_1 24244	50.98 2.84 0.00	40.44 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.82 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.64 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.05 3.47 0.00	52.36 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.25 3.51 0.00	56.00 2.62 0.00	48.93 2.27 0.00	46.52 2.22 0.00	49.23 2.29 0.00
RAVENSWOOD_GT2_2 24245	50.98 2.84 0.00	40.44 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.82 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.64 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.05 3.47 0.00	52.36 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.25 3.51 0.00	56.00 2.62 0.00	48.93 2.27 0.00	46.52 2.22 0.00	49.23 2.29 0.00

RAVENSWOOD_GT2_3 24246	51.00 2.86 0.00	40.46 2.04 0.00	42.71 1.96 0.00	45.50 1.87 0.00	44.63 1.90 0.00	49.17 2.13 0.00	57.74 2.18 0.00	66.20 2.84 0.00	46.55 2.33 0.00	49.37 2.94 0.00	51.18 3.67 0.00	50.52 3.86 0.00	53.64 3.91 0.00	52.68 3.83 0.00	48.08 3.49 0.00	52.40 3.40 0.00	55.89 3.18 0.00	57.17 2.89 0.00	74.69 3.88 0.00	73.27 3.53 0.00	56.01 2.64 0.00	48.95 2.30 0.00	46.54 2.24 0.00	49.24 2.30 0.00
RAVENSWOOD_GT2_4 24247	51.00 2.86 0.00	40.46 2.04 0.00	42.71 1.96 0.00	45.50 1.87 0.00	44.63 1.90 0.00	49.17 2.13 0.00	57.74 2.18 0.00	66.20 2.84 0.00	46.55 2.33 0.00	49.37 2.94 0.00	51.18 3.67 0.00	50.52 3.86 0.00	53.64 3.91 0.00	52.68 3.83 0.00	48.08 3.49 0.00	52.40 3.40 0.00	55.89 3.18 0.00	57.17 2.89 0.00	74.69 3.88 0.00	73.27 3.53 0.00	56.01 2.64 0.00	48.95 2.30 0.00	46.54 2.24 0.00	49.24 2.30 0.00
RAVENSWOOD_GT3_1 24248	50.98 2.84 0.00	40.44 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.82 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.05 3.47 0.00	52.36 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.25 3.51 0.00	56.00 2.62 0.00	48.94 2.29 0.00	46.53 2.23 0.00	49.23 2.29 0.00
RAVENSWOOD_GT3_2 24249	50.98 2.84 0.00	40.44 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.82 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.05 3.47 0.00	52.36 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.25 3.51 0.00	56.00 2.62 0.00	48.94 2.29 0.00	46.53 2.23 0.00	49.23 2.29 0.00
RAVENSWOOD_GT3_3 24250	51.04 2.90 0.00	40.49 2.08 0.00	42.74 2.00 0.00	45.54 1.91 0.00	44.67 1.94 0.00	49.21 2.17 0.00	57.79 2.24 0.00	66.27 2.91 0.00	46.60 2.38 0.00	49.43 3.00 0.00	51.23 3.72 0.00	50.57 3.91 0.00	53.70 3.97 0.00	52.73 3.88 0.00	48.14 3.55 0.00	52.46 3.45 0.00	55.97 3.25 0.00	57.24 2.95 0.00	74.78 3.98 0.00	73.35 3.61 0.00	56.07 2.70 0.00	49.00 2.35 0.00	46.60 2.30 0.00	49.29 2.35 0.00
RAVENSWOOD_GT3_4 24251	51.04 2.90 0.00	40.49 2.08 0.00	42.74 2.00 0.00	45.54 1.91 0.00	44.67 1.94 0.00	49.21 2.17 0.00	57.79 2.24 0.00	66.27 2.91 0.00	46.60 2.38 0.00	49.43 3.00 0.00	51.23 3.72 0.00	50.57 3.91 0.00	53.70 3.97 0.00	52.73 3.88 0.00	48.14 3.55 0.00	52.46 3.45 0.00	55.97 3.25 0.00	57.24 2.95 0.00	74.78 3.98 0.00	73.35 3.61 0.00	56.07 2.70 0.00	49.00 2.35 0.00	46.60 2.30 0.00	49.29 2.35 0.00
RAVENSWOOD_GT_1 23729	50.86 2.72 0.00	40.42 2.00 0.00	42.65 1.90 0.00	45.42 1.78 0.00	44.57 1.84 0.00	49.10 2.06 0.00	57.55 2.00 0.00	65.97 2.61 0.00	46.45 2.23 0.00	49.34 2.91 0.00	51.10 3.59 0.00	50.41 3.75 0.00	53.48 3.74 0.00	52.53 3.68 0.00	47.99 3.41 0.00	52.24 3.24 0.00	55.68 2.96 0.00	56.98 2.70 0.00	74.41 3.61 0.00	72.99 3.25 0.00	55.84 2.47 0.00	48.88 2.23 0.00	46.42 2.13 0.00	49.19 2.24 0.00
RAVENSWOOD_GT_10 24258	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.83 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.07 3.48 0.00	52.37 3.37 0.00	55.89 3.17 0.00	57.16 2.87 0.00	74.67 3.87 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.94 2.28 0.00	46.52 2.22 0.00	49.24 2.29 0.00
RAVENSWOOD_GT_11 24259	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.83 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.07 3.48 0.00	52.37 3.37 0.00	55.89 3.17 0.00	57.16 2.87 0.00	74.67 3.87 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.94 2.28 0.00	46.52 2.22 0.00	49.24 2.29 0.00
RAVENSWOOD_GT_4 24252	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.06 3.47 0.00	52.37 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.93 2.28 0.00	46.52 2.22 0.00	49.21 2.26 0.00
RAVENSWOOD_GT_5 24254	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.06 3.47 0.00	52.37 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.93 2.28 0.00	46.52 2.22 0.00	49.21 2.26 0.00
RAVENSWOOD_GT_6 24253	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.06 3.47 0.00	52.37 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.93 2.28 0.00	46.52 2.22 0.00	49.21 2.26 0.00
RAVENSWOOD_GT_7 24255	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.14 2.10 0.00	57.70 2.15 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.82 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.06 3.47 0.00	52.37 3.36 0.00	55.88 3.16 0.00	57.15 2.87 0.00	74.66 3.86 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.93 2.28 0.00	46.52 2.22 0.00	49.21 2.26 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.83 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.07 3.48 0.00	52.37 3.37 0.00	55.89 3.17 0.00	57.16 2.87 0.00	74.67 3.87 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.94 2.28 0.00	46.52 2.22 0.00	49.24 2.29 0.00
RAVENSWOOD_GT_9 24257	50.98 2.84 0.00	40.45 2.03 0.00	42.70 1.95 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.15 2.11 0.00	57.71 2.16 0.00	66.18 2.83 0.00	46.53 2.31 0.00	49.35 2.92 0.00	51.16 3.65 0.00	50.49 3.83 0.00	53.61 3.88 0.00	52.66 3.81 0.00	48.07 3.48 0.00	52.37 3.37 0.00	55.89 3.17 0.00	57.16 2.87 0.00	74.67 3.87 0.00	73.26 3.52 0.00	56.00 2.63 0.00	48.94 2.28 0.00	46.52 2.22 0.00	49.24 2.29 0.00

RAVENSWOOD___1 23533	50.83 2.69 0.00	40.38 1.96 0.00	42.62 1.87 0.00	45.38 1.75 0.00	44.53 1.80 0.00	49.06 2.02 0.00	57.50 1.95 0.00	65.93 2.57 0.00	46.41 2.19 0.00	49.32 2.89 0.00	51.07 3.55 0.00	50.36 3.70 0.00	53.45 3.71 0.00	52.49 3.64 0.00	47.96 3.38 0.00	52.20 3.20 0.00	55.63 2.91 0.00	56.95 2.67 0.00	74.33 3.53 0.00	72.95 3.20 0.00	55.79 2.42 0.00	48.85 2.19 0.00	46.38 2.08 0.00	49.15 2.21 0.00
RAVENSWOOD___2 23534	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.98 0.00	57.45 1.90 0.00	65.87 2.52 0.00	46.39 2.17 0.00	49.29 2.86 0.00	51.04 3.53 0.00	50.33 3.67 0.00	53.41 3.68 0.00	52.46 3.61 0.00	47.93 3.35 0.00	52.15 3.15 0.00	55.58 2.86 0.00	56.91 2.63 0.00	74.29 3.49 0.00	72.89 3.15 0.00	55.75 2.38 0.00	48.82 2.16 0.00	46.34 2.04 0.00	49.13 2.19 0.00
RAVENSWOOD___3 23535	50.98 2.84 0.00	40.44 2.03 0.00	42.69 1.94 0.00	45.48 1.85 0.00	44.62 1.89 0.00	49.15 2.11 0.00	57.70 2.15 0.00	66.18 2.83 0.00	46.52 2.30 0.00	49.35 2.92 0.00	51.16 3.64 0.00	50.49 3.83 0.00	53.61 3.89 0.00	52.66 3.81 0.00	48.05 3.47 0.00	52.36 3.35 0.00	55.87 3.15 0.00	57.15 2.87 0.00	74.64 3.84 0.00	73.26 3.52 0.00	55.99 2.62 0.00	48.93 2.28 0.00	46.52 2.22 0.00	49.23 2.29 0.00
RAVENSWOOD___4 23820	50.79 2.65 0.00	40.35 1.94 0.00	42.58 1.83 0.00	45.34 1.70 0.00	44.50 1.77 0.00	49.01 1.98 0.00	57.45 1.90 0.00	65.87 2.52 0.00	46.39 2.17 0.00	49.29 2.86 0.00	51.04 3.53 0.00	50.33 3.67 0.00	53.41 3.68 0.00	52.46 3.61 0.00	47.93 3.35 0.00	52.15 3.15 0.00	55.58 2.86 0.00	56.91 2.63 0.00	74.29 3.49 0.00	72.89 3.15 0.00	55.75 2.38 0.00	48.82 2.16 0.00	46.34 2.04 0.00	49.13 2.19 0.00
RCPL_TRUST___DRP 24196	51.00 2.86 0.00	40.47 2.06 0.00	42.72 1.97 0.00	45.50 1.87 0.00	44.65 1.92 0.00	49.18 2.14 0.00	57.75 2.20 0.00	66.24 2.88 0.00	46.58 2.35 0.00	49.42 2.99 0.00	51.24 3.73 0.00	50.57 3.91 0.00	53.71 3.98 0.00	52.76 3.91 0.00	48.15 3.57 0.00	52.47 3.47 0.00	55.99 3.27 0.00	57.24 2.96 0.00	74.78 3.97 0.00	73.34 3.60 0.00	56.06 2.69 0.00	48.99 2.34 0.00	46.59 2.29 0.00	49.30 2.36 0.00
RED___ROCHESTER 323720	47.43 -0.63 0.07	37.59 -0.57 0.26	39.14 -0.80 0.81	42.93 -0.46 0.24	41.95 -0.52 0.26	46.76 0.00 0.27	54.66 -0.28 0.61	62.89 -0.24 0.23	43.19 -0.30 0.73	45.10 -0.81 0.52	45.96 -1.28 0.28	45.22 -1.37 0.07	48.62 -1.12 0.00	47.46 -1.03 0.36	42.98 -1.21 0.39	47.32 -1.04 0.64	51.06 -1.26 0.40	52.56 -1.38 0.35	68.67 -1.72 0.41	67.76 -1.54 0.44	48.96 -1.54 2.88	44.81 -1.28 0.56	42.93 -0.99 0.38	46.29 -0.44 0.22
REGAN___SOLAR 323812	49.92 1.78 0.00	39.86 1.44 0.00	42.21 1.46 0.00	45.14 1.51 0.00	44.34 1.61 0.00	48.95 1.91 0.00	57.96 2.40 0.00	66.28 2.93 0.00	45.66 1.44 0.00	46.70 0.27 0.00	47.04 -0.47 0.00	46.27 -0.39 0.00	49.57 -0.16 0.00	48.91 0.06 0.00	45.13 0.54 0.00	50.26 1.26 0.00	54.41 1.69 0.00	56.60 2.32 0.00	73.91 3.10 0.00	72.66 2.92 0.00	55.51 2.14 0.00	48.42 1.77 0.00	45.84 1.54 0.00	48.50 1.56 0.00
RENSSELAER___COGEN 23796	48.21 0.07 0.00	38.52 0.10 0.00	40.94 0.19 0.00	43.61 -0.02 0.00	42.74 0.01 0.00	46.84 -0.19 0.00	55.12 -0.44 0.00	62.66 -0.69 0.00	43.97 -0.26 0.00	46.35 -0.08 0.00	47.61 0.10 0.00	46.77 0.10 0.00	49.80 0.07 0.00	48.93 0.08 0.00	44.72 0.14 0.00	49.17 0.17 0.00	52.91 0.19 0.00	54.29 0.01 0.00	70.55 -0.26 0.00	69.46 -0.28 0.00	53.33 -0.05 0.00	46.64 -0.01 0.00	44.18 -0.12 0.00	46.79 -0.15 0.00
REPUBLIC_115KV_BARTNBRK 55605	52.55 4.41 0.00	41.65 3.24 0.00	44.10 3.35 0.00	47.18 3.54 0.00	45.89 3.16 0.00	50.56 3.52 0.00	59.51 3.95 0.00	67.46 4.10 0.00	47.79 3.56 0.00	49.74 3.31 0.00	50.18 2.66 0.00	48.96 2.30 0.00	52.10 2.36 0.00	51.09 2.24 0.00	46.55 1.96 0.00	52.50 3.50 0.00	57.28 4.56 0.00	58.81 4.53 0.00	75.71 4.91 0.00	75.45 5.70 0.00	57.84 4.47 0.00	50.68 4.03 0.00	47.66 3.36 0.00	50.62 3.68 0.00
REVERE_CPPR_DRP 24186	50.06 1.92 0.00	39.84 1.43 0.00	42.29 1.54 0.00	45.32 1.69 0.00	44.47 1.73 0.00	49.20 2.16 0.00	58.40 2.85 0.00	66.79 3.44 0.00	46.45 2.23 0.00	48.08 1.65 0.00	48.65 1.14 0.00	47.68 1.01 0.00	50.79 1.06 0.00	49.94 1.09 0.00	45.57 0.98 0.00	50.31 1.31 0.00	54.52 1.81 0.00	56.54 2.25 0.00	74.09 3.29 0.00	72.89 3.15 0.00	56.45 2.23 -0.85	48.49 1.73 -0.11	45.81 1.51 0.00	48.44 1.50 0.00
REYNLDPA_13_KV_LD 356490	48.96 0.82 0.00	39.01 0.60 0.00	41.43 0.68 0.00	44.45 0.81 0.00	43.51 0.78 0.00	47.98 0.95 0.00	56.88 1.33 0.00	64.82 1.46 0.00	45.10 0.87 0.00	47.41 0.99 0.00	48.53 1.02 0.00	47.56 0.89 0.00	50.81 1.08 0.00	49.85 1.00 0.00	45.45 0.87 0.00	49.95 0.94 0.00	53.78 1.06 0.00	55.51 1.23 0.00	72.63 1.83 0.00	71.54 1.80 0.00	54.68 1.30 0.00	47.83 1.18 0.00	45.51 1.21 0.00	48.11 1.17 0.00
REYNOLDS_115KV_TB3 80639	48.54 0.40 0.00	38.79 0.37 0.00	41.24 0.49 0.00	43.92 0.29 0.00	43.04 0.31 0.00	47.16 0.13 0.00	55.45 -0.10 0.00	62.96 -0.39 0.00	44.20 -0.03 0.00	46.62 0.18 0.00	47.88 0.36 0.00	47.02 0.36 0.00	50.06 0.33 0.00	49.20 0.35 0.00	44.94 0.36 0.00	49.47 0.46 0.00	53.25 0.53 0.00	54.62 0.34 0.00	70.89 0.09 0.00	69.84 0.10 0.00	53.66 0.28 0.00	46.96 0.31 0.00	44.46 0.16 0.00	47.12 0.18 0.00
RIVERBAY____ 323610	51.89 3.75 0.00	41.28 2.87 0.00	43.51 2.76 0.00	46.41 2.77 0.00	45.58 2.85 0.00	50.23 3.19 0.00	58.96 3.41 0.00	67.45 4.09 0.00	47.43 3.20 0.00	50.22 3.79 0.00	51.85 4.34 0.00	51.14 4.48 0.00	54.31 4.58 0.00	53.42 4.57 0.00	48.71 4.12 0.00	52.98 3.98 0.00	56.52 3.80 0.00	57.95 3.67 0.00	75.68 4.88 0.00	74.33 4.59 0.00	56.88 3.51 0.00	49.77 3.12 0.00	47.22 2.92 0.00	50.02 3.08 0.00
RIVERSDE_115KV_TB3 55908	48.25 0.12 0.00	38.56 0.15 0.00	40.99 0.24 0.00	43.67 0.03 0.00	42.79 0.06 0.00	46.90 -0.14 0.00	55.17 -0.39 0.00	62.69 -0.66 0.00	44.00 -0.22 0.00	46.38 -0.05 0.00	47.66 0.14 0.00	46.81 0.14 0.00	49.84 0.11 0.00	48.98 0.13 0.00	44.77 0.19 0.00	49.25 0.24 0.00	52.99 0.28 0.00	54.36 0.08 0.00	70.60 -0.20 0.00	69.52 -0.22 0.00	53.38 0.00 0.00	46.70 0.05 0.00	44.22 -0.08 0.00	46.84 -0.10 0.00
ROARING___BROOK_WT_PWR 323790	48.11 -0.03 0.00	38.40 -0.02 0.00	40.79 0.04 0.00	43.71 0.07 0.00	42.82 0.08 0.00	47.16 0.13 0.00	55.76 0.21 0.00	63.58 0.22 0.00	44.34 0.11 0.00	46.57 0.14 0.00	47.69 0.17 0.00	46.80 0.14 0.00	49.92 0.19 0.00	49.03 0.18 0.00	44.73 0.14 0.00	49.15 0.15 0.00	52.90 0.18 0.00	54.49 0.21 0.00	71.15 0.34 0.00	70.02 0.27 0.00	53.50 0.12 0.00	46.66 0.01 0.00	44.29 -0.01 0.00	46.85 -0.09 0.00

ROCHESRG_115KV_T4 355643	47.08 -1.06 0.00	37.52 -0.90 0.00	39.05 -1.13 0.57	42.79 -0.84 0.00	41.85 -0.88 0.00	46.58 -0.45 0.00	54.67 -0.88 0.00	62.40 -0.96 0.00	43.41 -0.81 0.00	45.15 -1.28 0.00	45.77 -1.75 0.00	44.87 -1.80 0.00	48.17 -1.57 0.00	47.36 -1.49 0.00	42.97 -1.61 0.00	47.47 -1.53 0.00	50.90 -1.82 0.00	52.28 -2.00 0.00	68.23 -2.57 0.00	67.35 -2.39 0.00	48.63 -2.17 2.57	44.51 -1.81 0.34	42.84 -1.45 0.00	46.04 -0.91 0.00
ROCHESTER_9_IC 23652	47.31 -0.83 0.00	37.70 -0.71 0.00	39.23 -0.94 0.58	43.00 -0.63 0.00	42.06 -0.67 0.00	46.84 -0.20 0.00	55.01 -0.55 0.00	62.80 -0.55 0.00	43.69 -0.54 0.00	45.41 -1.02 0.00	46.02 -1.49 0.00	45.10 -1.56 0.00	48.41 -1.32 0.00	47.61 -1.24 0.00	43.18 -1.41 0.00	47.74 -1.26 0.00	51.19 -1.53 0.00	52.62 -1.67 0.00	68.67 -2.13 0.00	67.80 -1.95 0.00	48.90 -1.85 2.62	44.77 -1.54 0.34	43.09 -1.21 0.00	46.28 -0.66 0.00
ROCKVIEW_13_KV_LD 356306	50.88 2.74 0.00	40.39 1.98 0.00	42.62 1.87 0.00	45.42 1.79 0.00	44.54 1.81 0.00	49.04 2.01 0.00	57.60 2.05 0.00	66.17 2.81 0.00	46.51 2.29 0.00	49.31 2.88 0.00	51.10 3.59 0.00	50.43 3.77 0.00	53.58 3.85 0.00	52.65 3.80 0.00	48.03 3.44 0.00	52.34 3.34 0.00	55.86 3.14 0.00	57.16 2.88 0.00	74.68 3.88 0.00	73.23 3.48 0.00	56.00 2.62 0.00	48.94 2.29 0.00	46.53 2.23 0.00	49.24 2.30 0.00
ROME____115KV_TB2 80656	50.06 1.92 0.00	39.84 1.43 0.00	42.29 1.54 0.00	45.32 1.69 0.00	44.47 1.73 0.00	49.20 2.16 0.00	58.40 2.85 0.00	66.79 3.44 0.00	46.45 2.23 0.00	48.08 1.65 0.00	48.65 1.14 0.00	47.68 1.01 0.00	50.79 1.06 0.00	49.94 1.09 0.00	45.57 0.98 0.00	50.31 1.31 0.00	54.52 1.81 0.00	56.54 2.25 0.00	74.09 3.29 0.00	72.89 3.15 0.00	56.45 2.23 -0.85	48.49 1.73 -0.11	45.81 1.51 0.00	48.44 1.50 0.00
ROSETON___1 23587	50.28 2.14 0.00	39.93 1.51 0.00	42.20 1.45 0.00	44.98 1.35 0.00	44.12 1.39 0.00	48.54 1.51 0.00	56.94 1.38 0.00	65.24 1.88 0.00	45.84 1.62 0.00	48.56 2.13 0.00	50.28 2.76 0.00	49.60 2.94 0.00	52.68 2.95 0.00	51.74 2.89 0.00	47.22 2.64 0.00	51.49 2.49 0.00	55.00 2.28 0.00	56.31 2.03 0.00	73.51 2.71 0.00	72.16 2.42 0.00	55.21 1.83 0.00	48.27 1.62 0.00	45.90 1.60 0.00	48.62 1.68 0.00
ROSETON___2 23588	50.28 2.14 0.00	39.93 1.51 0.00	42.20 1.45 0.00	44.98 1.35 0.00	44.12 1.39 0.00	48.54 1.51 0.00	56.94 1.38 0.00	65.24 1.88 0.00	45.84 1.62 0.00	48.56 2.13 0.00	50.28 2.76 0.00	49.60 2.94 0.00	52.68 2.95 0.00	51.74 2.89 0.00	47.22 2.64 0.00	51.49 2.49 0.00	55.00 2.28 0.00	56.31 2.03 0.00	73.51 2.71 0.00	72.16 2.42 0.00	55.21 1.83 0.00	48.27 1.62 0.00	45.90 1.60 0.00	48.62 1.68 0.00
ROTRRDAM_115KV_TB3 80664	49.19 1.05 0.00	39.26 0.85 0.00	41.66 0.92 0.00	44.50 0.87 0.00	43.58 0.85 0.00	47.86 0.83 0.00	56.39 0.83 0.00	64.24 0.88 0.00	44.92 0.69 0.00	47.13 0.70 0.00	48.29 0.78 0.00	47.41 0.75 0.00	50.52 0.78 0.00	49.69 0.84 0.00	45.38 0.80 0.00	49.98 0.98 0.00	53.79 1.08 0.00	55.34 1.06 0.00	72.02 1.22 0.00	70.93 1.19 0.00	54.36 0.99 0.00	47.53 0.88 0.00	45.07 0.77 0.00	47.77 0.82 0.00
RUSSELL___1 23602	47.50 -0.63 0.00	37.84 -0.57 0.00	39.37 -0.80 0.58	43.16 -0.48 0.00	42.20 -0.53 0.00	47.02 -0.01 0.00	55.26 -0.30 0.00	63.12 -0.24 0.00	43.91 -0.31 0.00	45.61 -0.82 0.00	46.24 -1.28 0.00	45.29 -1.37 0.00	48.62 -1.12 0.00	47.81 -1.04 0.00	43.36 -1.23 0.00	47.95 -1.05 0.00	51.45 -1.27 0.00	52.90 -1.38 0.00	69.08 -1.72 0.00	68.20 -1.54 0.00	49.20 -1.56 2.62	45.01 -1.30 0.34	43.29 -1.01 0.00	46.49 -0.45 0.00
RUSSELL___2 23532	47.50 -0.63 0.00	37.84 -0.57 0.00	39.37 -0.80 0.58	43.16 -0.48 0.00	42.20 -0.53 0.00	47.02 -0.01 0.00	55.26 -0.30 0.00	63.12 -0.24 0.00	43.91 -0.31 0.00	45.61 -0.82 0.00	46.24 -1.28 0.00	45.29 -1.37 0.00	48.62 -1.12 0.00	47.81 -1.04 0.00	43.36 -1.23 0.00	47.95 -1.05 0.00	51.45 -1.27 0.00	52.90 -1.38 0.00	69.08 -1.72 0.00	68.20 -1.54 0.00	49.20 -1.56 2.62	45.01 -1.30 0.34	43.29 -1.01 0.00	46.49 -0.45 0.00
RUSSELL___3 23549	47.50 -0.63 0.00	37.84 -0.57 0.00	39.37 -0.80 0.58	43.16 -0.48 0.00	42.20 -0.53 0.00	47.02 -0.01 0.00	55.26 -0.30 0.00	63.12 -0.24 0.00	43.91 -0.31 0.00	45.61 -0.82 0.00	46.24 -1.28 0.00	45.29 -1.37 0.00	48.62 -1.12 0.00	47.81 -1.04 0.00	43.36 -1.23 0.00	47.95 -1.05 0.00	51.45 -1.27 0.00	52.90 -1.38 0.00	69.08 -1.72 0.00	68.20 -1.54 0.00	49.20 -1.56 2.62	45.01 -1.30 0.34	43.29 -1.01 0.00	46.49 -0.45 0.00
RUSSELL___4 23556	47.50 -0.63 0.00	37.84 -0.57 0.00	39.37 -0.80 0.58	43.16 -0.48 0.00	42.20 -0.53 0.00	47.02 -0.01 0.00	55.26 -0.30 0.00	63.12 -0.24 0.00	43.91 -0.31 0.00	45.61 -0.82 0.00	46.24 -1.28 0.00	45.29 -1.37 0.00	48.62 -1.12 0.00	47.81 -1.04 0.00	43.36 -1.23 0.00	47.95 -1.05 0.00	51.45 -1.27 0.00	52.90 -1.38 0.00	69.08 -1.72 0.00	68.20 -1.54 0.00	49.20 -1.56 2.62	45.01 -1.30 0.34	43.29 -1.01 0.00	46.49 -0.45 0.00
RUSSELL___STATION 23914	47.50 -0.63 0.00	37.84 -0.57 0.00	39.37 -0.80 0.58	43.16 -0.48 0.00	42.20 -0.53 0.00	47.02 -0.01 0.00	55.26 -0.30 0.00	63.12 -0.24 0.00	43.91 -0.31 0.00	45.61 -0.82 0.00	46.24 -1.28 0.00	45.29 -1.37 0.00	48.62 -1.12 0.00	47.81 -1.04 0.00	43.36 -1.23 0.00	47.95 -1.05 0.00	51.45 -1.27 0.00	52.90 -1.38 0.00	69.08 -1.72 0.00	68.20 -1.54 0.00	49.20 -1.56 2.62	45.01 -1.30 0.34	43.29 -1.01 0.00	46.49 -0.45 0.00
S SALMON___HYD 24043	48.11 -0.03 0.00	38.42 0.00 0.00	40.71 -0.04 0.00	43.68 0.04 0.00	42.80 0.07 0.00	47.28 0.25 0.00	55.87 0.31 0.00	63.88 0.52 0.00	44.45 0.22 0.00	46.12 -0.31 0.00	46.58 -0.94 0.00	45.68 -1.01 -0.03	48.63 -1.11 0.00	47.78 -1.07 0.00	43.60 -0.98 0.00	47.97 -1.04 0.00	51.77 -0.95 0.00	54.05 -0.23 0.00	70.94 0.14 0.00	69.94 0.19 0.00	53.38 0.00 0.00	46.50 -0.15 0.00	44.13 -0.17 0.00	46.71 -0.23 0.00
S.PERRY__115KV_TB1 80734	48.24 0.09 0.00	38.37 -0.04 0.00	39.00 -0.24 1.50	44.01 0.38 0.00	43.11 0.38 0.00	48.41 1.38 0.00	57.10 1.55 0.00	67.43 4.08 0.00	45.55 1.33 0.00	44.29 -2.14 0.00	43.90 -3.62 0.00	43.20 -3.46 0.00	46.94 -2.79 0.00	48.21 -0.64 0.00	43.85 -0.74 0.00	48.54 -0.47 0.00	51.22 -1.50 0.00	53.62 -0.66 0.00	70.48 -0.33 0.00	69.58 -0.17 0.00	46.36 -0.53 6.48	45.41 -0.39 0.85	44.14 -0.16 0.00	47.60 0.66 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	46.16 -1.97 0.00	36.72 -1.69 0.00	37.67 -2.12 0.97	42.17 -1.47 0.00	41.09 -1.64 0.00	46.14 -0.90 0.00	53.37 -2.18 0.00	60.82 -2.54 0.00	42.25 -1.97 0.00	43.92 -2.51 0.00	44.33 -3.19 0.00	43.44 -3.22 0.00	47.15 -2.58 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.29 -2.71 0.00	48.97 -3.75 0.00	49.75 -4.53 0.00	64.77 -6.04 0.00	64.12 -5.62 0.00	44.01 -4.81 4.55	42.13 -3.92 0.60	41.30 -3.00 0.00	45.32 -1.62 0.00

SAWYER___23_KV_LOAD 55526	46.16 -1.97 0.00	36.72 -1.69 0.00	37.67 -2.12 0.97	42.17 -1.47 0.00	41.09 -1.64 0.00	46.14 -0.90 0.00	53.37 -2.18 0.00	60.82 -2.54 0.00	42.25 -1.97 0.00	43.92 -2.51 0.00	44.33 -3.19 0.00	43.44 -3.22 0.00	47.15 -2.58 0.00	46.40 -2.45 0.00	41.77 -2.81 0.00	46.29 -2.71 0.00	48.97 -3.75 0.00	49.75 -4.53 0.00	64.77 -6.04 0.00	64.12 -5.62 0.00	44.01 -4.81 4.55	42.13 -3.92 0.60	41.30 -3.00 0.00	45.32 -1.62 0.00
SELKIRK___I 23801	48.78 0.65 0.00	38.99 0.57 0.00	41.42 0.68 0.00	44.19 0.56 0.00	43.30 0.57 0.00	47.47 0.43 0.00	55.84 0.29 0.00	63.52 0.16 0.00	44.48 0.25 0.00	46.81 0.37 0.00	48.04 0.53 0.00	47.18 0.51 0.00	50.25 0.52 0.00	49.35 0.50 0.00	45.12 0.54 0.00	49.63 0.63 0.00	53.40 0.68 0.00	54.80 0.51 0.00	71.27 0.47 0.00	70.20 0.46 0.00	53.87 0.49 0.00	47.13 0.48 0.00	44.68 0.38 0.00	47.35 0.40 0.00
SELKIRK___II 23799	48.55 0.41 0.00	38.77 0.36 0.00	41.19 0.44 0.00	43.92 0.29 0.00	43.03 0.30 0.00	47.18 0.14 0.00	55.51 -0.04 0.00	63.18 -0.18 0.00	44.30 0.07 0.00	46.68 0.25 0.00	47.95 0.43 0.00	47.12 0.45 0.00	50.17 0.43 0.00	49.27 0.42 0.00	45.03 0.45 0.00	49.48 0.48 0.00	53.20 0.48 0.00	54.57 0.29 0.00	70.99 0.19 0.00	69.89 0.15 0.00	53.64 0.27 0.00	46.91 0.26 0.00	44.46 0.16 0.00	47.10 0.16 0.00
SENECA OSWGO___HYD 24041	47.07 -1.08 0.00	37.59 -0.83 0.00	39.82 -0.93 0.00	42.71 -0.93 0.00	41.81 -0.92 0.00	46.11 -0.92 0.00	54.47 -1.08 0.00	62.18 -1.17 0.00	43.39 -0.84 0.00	45.34 -1.09 0.00	46.14 -1.37 0.00	45.36 -1.35 -0.05	48.23 -1.50 0.00	47.37 -1.48 0.00	43.25 -1.33 0.00	47.57 -1.43 0.00	51.26 -1.46 0.00	53.00 -1.28 0.00	69.19 -1.61 0.00	68.17 -1.57 0.00	52.12 -1.26 0.00	45.53 -1.12 0.00	43.21 -1.09 0.00	45.83 -1.11 0.00
SENECA___115KV_TB3 355854	46.32 -1.61 0.21	36.22 -1.38 0.82	37.20 -1.80 1.76	41.80 -1.10 0.73	40.63 -1.30 0.81	45.75 -0.43 0.85	52.09 -1.56 1.90	61.18 -1.58 0.60	40.96 -1.32 1.94	43.20 -1.84 1.38	44.24 -2.54 0.74	43.89 -2.57 0.20	47.77 -1.96 0.00	45.91 -1.84 1.10	41.24 -2.29 1.06	45.13 -2.13 1.75	48.38 -3.12 1.22	49.41 -3.82 1.05	64.48 -5.11 1.22	63.69 -4.76 1.30	43.51 -4.17 5.69	41.98 -3.39 1.27	40.64 -2.54 1.11	45.16 -1.14 0.65
SENECA___ENERGY 23797	47.56 -0.58 0.00	37.92 -0.50 0.00	40.11 -0.64 0.00	43.19 -0.45 0.00	42.28 -0.45 0.00	46.93 -0.10 0.00	55.37 -0.18 0.00	63.36 0.00 0.00	44.04 -0.18 0.00	45.88 -0.55 0.00	46.42 -1.10 0.00	45.47 -1.20 -0.01	48.62 -1.12 0.00	47.78 -1.08 0.00	43.46 -1.12 0.00	47.84 -1.16 0.00	51.46 -1.26 0.00	53.30 -0.98 0.00	69.69 -1.11 0.00	68.69 -1.05 0.00	52.38 -0.99 0.00	45.81 -0.84 0.00	43.58 -0.72 0.00	46.46 -0.48 0.00
SHOEMAKER___GT 23640	50.34 2.20 0.00	39.99 1.58 0.00	42.28 1.53 0.00	45.09 1.45 0.00	44.24 1.50 0.00	48.69 1.66 0.00	57.23 1.67 0.00	65.58 2.22 0.00	46.02 1.80 0.00	48.66 2.23 0.00	50.27 2.75 0.00	49.53 2.86 0.00	52.60 2.87 0.00	51.63 2.78 0.00	47.08 2.50 0.00	51.39 2.39 0.00	54.97 2.25 0.00	56.43 2.14 0.00	73.76 2.96 0.00	72.44 2.70 0.00	55.40 2.02 0.00	48.39 1.74 0.00	45.98 1.68 0.00	48.70 1.76 0.00
SHOEMAKR_138KV_BK 111 55601	50.31 2.18 0.00	39.97 1.56 0.00	42.26 1.51 0.00	45.07 1.43 0.00	44.22 1.49 0.00	48.67 1.63 0.00	57.18 1.63 0.00	65.52 2.17 0.00	46.00 1.77 0.00	48.63 2.20 0.00	50.26 2.75 0.00	49.51 2.85 0.00	52.60 2.87 0.00	51.66 2.81 0.00	47.10 2.52 0.00	51.41 2.41 0.00	54.99 2.27 0.00	56.40 2.12 0.00	73.71 2.91 0.00	72.38 2.64 0.00	55.36 1.98 0.00	48.36 1.71 0.00	45.94 1.64 0.00	48.67 1.73 0.00
SHOREHAM_IC_1 23715	50.99 2.85 0.00	40.64 2.01 -0.21	42.58 1.83 0.00	45.34 1.70 0.00	44.16 1.43 0.00	46.68 1.15 1.52	27.05 0.83 29.33	42.63 1.19 21.92	36.43 1.14 8.93	48.44 2.01 0.00	50.19 2.68 0.00	50.25 3.30 -0.29	52.91 3.10 -0.08	52.38 3.31 -0.22	49.59 3.02 -1.99	49.90 2.28 1.38	46.87 1.82 7.67	54.78 1.59 1.09	73.41 2.61 0.00	71.82 2.08 0.00	55.21 1.83 0.00	48.11 1.46 0.00	46.54 2.01 -0.23	48.96 2.01 0.00
SHOREHAM_IC_2 23716	50.99 2.85 0.00	40.64 2.01 -0.21	42.58 1.83 0.00	45.34 1.70 0.00	44.16 1.43 0.00	46.67 1.15 1.52	27.06 0.84 29.33	42.63 1.19 21.92	36.44 1.15 8.93	48.44 2.01 0.00	50.20 2.68 0.00	50.25 3.29 -0.29	52.92 3.11 -0.08	52.40 3.33 -0.22	49.60 3.02 -1.99	49.92 2.29 1.38	46.87 1.82 7.67	54.78 1.59 1.09	73.42 2.61 0.00	71.82 2.08 0.00	55.22 1.84 0.00	48.11 1.46 0.00	46.55 2.02 -0.23	48.97 2.03 0.00
SISSONVILLE____ 23735	50.03 1.89 0.00	39.84 1.43 0.00	42.34 1.59 0.00	45.46 1.83 0.00	44.56 1.83 0.00	49.22 2.18 0.00	58.11 2.55 0.00	66.36 3.01 0.00	46.07 1.84 0.00	48.25 1.82 0.00	48.97 1.46 0.00	47.90 1.24 0.00	51.18 1.45 0.00	50.19 1.34 0.00	45.75 1.17 0.00	50.20 1.20 0.00	54.14 1.42 0.00	56.23 1.95 0.00	73.66 2.85 0.00	72.59 2.85 0.00	55.47 2.09 0.00	48.57 1.92 0.00	46.35 2.06 0.00	48.93 1.99 0.00
SITHE_IND_GS1 24169	46.46 -1.68 0.00	37.15 -1.27 0.00	39.34 -1.41 0.00	42.19 -1.44 0.00	41.31 -1.42 0.00	45.53 -1.50 0.00	53.76 -1.79 0.00	61.35 -2.00 0.00	42.80 -1.43 0.00	44.79 -1.64 0.00	45.69 -1.82 0.00	44.69 -1.78 0.20	47.78 -1.96 0.00	46.95 -1.90 0.00	42.89 -1.69 0.00	47.15 -1.85 0.00	50.76 -1.96 0.00	52.37 -1.91 0.00	68.29 -2.51 0.00	67.28 -2.46 0.00	51.43 -1.94 0.00	44.97 -1.68 0.00	42.70 -1.60 0.00	45.27 -1.67 0.00
SITHE_IND_GS2 24170	46.46 -1.68 0.00	37.15 -1.27 0.00	39.34 -1.41 0.00	42.19 -1.44 0.00	41.31 -1.42 0.00	45.53 -1.50 0.00	53.76 -1.79 0.00	61.35 -2.00 0.00	42.80 -1.43 0.00	44.79 -1.64 0.00	45.69 -1.82 0.00	44.69 -1.78 0.20	47.78 -1.96 0.00	46.95 -1.90 0.00	42.89 -1.69 0.00	47.15 -1.85 0.00	50.76 -1.96 0.00	52.37 -1.91 0.00	68.29 -2.51 0.00	67.28 -2.46 0.00	51.43 -1.94 0.00	44.97 -1.68 0.00	42.70 -1.60 0.00	45.27 -1.67 0.00
SITHE_IND_GS3 24171	46.46 -1.68 0.00	37.15 -1.27 0.00	39.34 -1.41 0.00	42.19 -1.44 0.00	41.31 -1.42 0.00	45.53 -1.50 0.00	53.76 -1.79 0.00	61.35 -2.00 0.00	42.80 -1.43 0.00	44.79 -1.64 0.00	45.69 -1.82 0.00	44.69 -1.78 0.20	47.78 -1.96 0.00	46.95 -1.90 0.00	42.89 -1.69 0.00	47.15 -1.85 0.00	50.76 -1.96 0.00	52.37 -1.91 0.00	68.29 -2.51 0.00	67.28 -2.46 0.00	51.43 -1.94 0.00	44.97 -1.68 0.00	42.70 -1.60 0.00	45.27 -1.67 0.00
SITHE_IND_GS4 24172	46.46 -1.68 0.00	37.15 -1.27 0.00	39.34 -1.41 0.00	42.19 -1.44 0.00	41.31 -1.42 0.00	45.53 -1.50 0.00	53.76 -1.79 0.00	61.35 -2.00 0.00	42.80 -1.43 0.00	44.79 -1.64 0.00	45.69 -1.82 0.00	44.69 -1.78 0.20	47.78 -1.96 0.00	46.95 -1.90 0.00	42.89 -1.69 0.00	47.15 -1.85 0.00	50.76 -1.96 0.00	52.37 -1.91 0.00	68.29 -2.51 0.00	67.28 -2.46 0.00	51.43 -1.94 0.00	44.97 -1.68 0.00	42.70 -1.60 0.00	45.27 -1.67 0.00

SITHE___BATAVIA 24024	47.50 -0.50 0.13	37.43 -0.49 0.49	38.71 -0.82 1.22	42.97 -0.22 0.44	41.89 -0.35 0.49	47.00 0.48 0.52	54.21 -0.20 1.15	62.84 -0.14 0.38	42.68 -0.32 1.22	44.36 -1.20 0.87	44.94 -2.10 0.47	44.26 -2.28 0.13	47.97 -1.76 0.00	46.37 -1.81 0.67	41.76 -2.16 0.67	45.97 -1.94 1.09	49.56 -2.42 0.74	51.23 -2.42 0.64	67.09 -2.96 0.75	66.29 -2.65 0.80	46.76 -2.50 4.11	43.76 -2.03 0.86	42.16 -1.45 0.69	46.33 -0.21 0.40
SITHE___INDEPEND 23800	46.46 -1.68 0.00	37.14 -1.27 0.00	39.34 -1.41 0.00	42.19 -1.44 0.00	41.31 -1.42 0.00	45.53 -1.50 0.00	53.76 -1.79 0.00	61.36 -2.00 0.00	42.80 -1.43 0.00	44.79 -1.64 0.00	45.69 -1.83 0.00	44.69 -1.78 0.20	47.78 -1.96 0.00	46.95 -1.90 0.00	42.89 -1.69 0.00	47.15 -1.85 0.00	50.76 -1.96 0.00	52.37 -1.91 0.00	68.29 -2.51 0.00	67.28 -2.46 0.00	51.43 -1.94 0.00	44.97 -1.68 0.00	42.70 -1.60 0.00	45.28 -1.66 0.00
SITHE___MASSENA 23902	49.23 1.09 0.00	39.22 0.81 0.00	41.66 0.91 0.00	44.71 1.08 0.00	43.76 1.03 0.00	48.27 1.23 0.00	57.22 1.66 0.00	65.20 1.84 0.00	45.35 1.13 0.00	47.63 1.21 0.00	48.72 1.20 0.00	47.73 1.07 0.00	50.97 1.24 0.00	49.99 1.14 0.00	45.53 0.95 0.00	49.99 0.99 0.00	53.82 1.11 0.00	55.64 1.35 0.00	72.96 2.16 0.00	71.92 2.18 0.00	55.03 1.65 0.00	48.10 1.45 0.00	45.78 1.48 0.00	48.37 1.43 0.00
SITHE___OGDNSBRG 24021	50.42 2.28 0.00	40.13 1.72 0.00	42.65 1.90 0.00	45.79 2.16 0.00	44.93 2.19 0.00	49.64 2.61 0.00	58.87 3.31 0.00	67.18 3.82 0.00	46.52 2.30 0.00	48.38 1.95 0.00	49.16 1.64 0.00	48.04 1.38 0.00	51.37 1.64 0.00	50.37 1.52 0.00	45.89 1.30 0.00	50.35 1.35 0.00	54.24 1.52 0.00	56.71 2.43 0.00	74.80 4.00 0.00	73.77 4.02 0.00	56.33 2.95 0.00	49.19 2.54 0.00	46.80 2.50 0.00	49.41 2.47 0.00
SITHE___STERLING 23777	49.51 1.37 0.00	39.43 1.02 0.00	42.01 1.09 -0.18	44.85 1.21 0.00	43.98 1.25 0.00	48.62 1.58 0.00	57.71 2.15 0.00	66.03 2.68 0.00	45.95 1.73 0.00	47.68 1.25 0.00	48.32 0.80 0.00	47.36 0.70 0.00	50.47 0.74 0.00	49.60 0.75 0.00	45.26 0.68 0.00	49.93 0.93 0.00	54.02 1.30 0.00	55.91 1.63 0.00	73.20 2.40 0.00	72.03 2.29 0.00	56.03 1.61 -1.04	48.03 1.25 -0.14	45.36 1.06 0.00	48.02 1.08 0.00
SLEIGHT__34_KV_TB1 80719	47.20 -0.94 0.00	37.63 -0.79 0.00	39.50 -0.97 0.29	42.86 -0.78 0.00	41.96 -0.77 0.00	46.62 -0.42 0.00	54.99 -0.57 0.00	62.70 -0.65 0.00	43.59 -0.63 0.00	45.30 -1.13 0.00	45.90 -1.62 0.00	44.99 -1.68 -0.01	48.16 -1.57 0.00	47.36 -1.49 0.00	43.06 -1.53 0.00	47.52 -1.48 0.00	51.27 -1.44 0.00	52.90 -1.37 0.00	69.05 -1.76 0.00	68.14 -1.61 0.00	50.64 -1.50 1.24	45.18 -1.31 0.16	43.17 -1.13 0.00	46.12 -0.83 0.00
SMITHTWN_69_KV_BK 1 55830	51.07 2.94 0.00	40.73 2.09 -0.23	42.66 1.91 0.00	45.41 1.78 0.00	44.24 1.51 0.00	46.75 1.22 1.50	27.32 0.85 29.08	42.89 1.26 21.73	36.59 1.21 8.85	48.50 2.07 0.00	50.51 3.00 0.00	50.39 3.41 -0.32	53.07 3.24 -0.09	52.56 3.47 -0.24	49.77 3.16 -2.02	50.02 2.39 1.36	47.00 1.88 7.60	54.88 1.68 1.08	73.50 2.70 0.00	71.88 2.14 0.00	55.21 1.83 0.00	48.13 1.48 0.00	46.55 2.02 -0.24	49.01 2.07 0.00
SOUTH CAIRO___GT 23612	49.65 1.51 0.00	39.68 1.27 0.00	42.18 1.43 0.00	44.99 1.35 0.00	44.10 1.36 0.00	48.45 1.41 0.00	57.28 1.72 0.00	65.40 2.04 0.00	45.82 1.60 0.00	48.03 1.60 0.00	49.15 1.64 0.00	48.08 1.42 0.00	51.26 1.53 0.00	50.14 1.29 0.00	46.02 1.43 0.00	50.85 1.85 0.00	54.84 2.12 0.00	56.46 2.17 0.00	73.47 2.67 0.00	72.30 2.56 0.00	55.41 2.04 0.00	48.37 1.72 0.00	45.66 1.36 0.00	48.26 1.32 0.00
SOUTH HAMPTN___IC 23720	50.76 2.63 0.00	40.45 1.82 -0.21	42.38 1.63 0.00	45.14 1.51 0.00	43.99 1.26 0.00	46.50 0.99 1.52	26.85 0.70 29.40	42.42 1.03 21.97	36.32 1.05 8.95	48.35 1.92 0.00	50.14 2.63 0.00	50.14 3.19 -0.28	52.86 3.05 -0.07	52.33 3.26 -0.21	49.50 2.94 -1.98	49.84 2.22 1.38	46.84 1.81 7.69	54.78 1.59 1.10	73.60 2.79 0.00	72.14 2.40 0.00	55.54 2.16 0.00	48.28 1.63 0.00	46.67 2.14 -0.23	49.08 2.14 0.00
SOUTHDOW_115KV_TB1 355954	47.38 -0.76 0.00	37.46 -0.95 0.00	38.29 -1.36 1.10	43.13 -0.50 0.00	42.12 -0.61 0.00	47.62 0.58 0.00	55.45 -0.10 0.00	64.20 0.85 0.00	44.59 0.37 0.00	46.65 0.22 0.00	47.15 -0.37 0.00	46.28 -0.39 0.00	49.83 0.09 0.00	48.78 -0.07 0.00	43.92 -0.66 0.00	48.67 -0.33 0.00	51.38 -1.34 0.00	52.43 -1.85 0.00	68.09 -2.71 0.00	67.24 -2.50 0.00	45.42 -2.38 5.58	43.96 -1.96 0.73	42.84 -1.46 0.00	46.64 -0.30 0.00
SOUTHOLD_69_KV_BK 2 55809	50.20 2.07 0.00	39.99 1.36 -0.21	41.89 1.14 0.00	44.64 1.00 0.00	43.50 0.77 0.00	45.98 0.47 1.52	26.31 0.16 29.40	41.80 0.41 21.97	35.91 0.63 8.95	47.90 1.47 0.00	49.66 2.14 0.00	49.64 2.69 -0.28	52.38 2.58 -0.07	51.91 2.85 -0.21	49.06 2.49 -1.98	49.42 1.80 1.38	46.45 1.42 7.69	54.41 1.23 1.10	73.25 2.45 0.00	72.01 2.27 0.00	55.59 2.22 0.00	48.21 1.55 0.00	46.54 2.01 -0.23	48.91 1.97 0.00
SOUTHOLD___IC 23719	50.20 2.06 0.00	39.99 1.36 -0.21	41.89 1.14 0.00	44.63 0.99 0.00	43.50 0.77 0.00	45.98 0.46 1.52	26.31 0.16 29.40	41.80 0.41 21.97	35.90 0.63 8.95	47.90 1.47 0.00	49.65 2.13 0.00	49.64 2.70 -0.28	52.39 2.58 -0.07	51.91 2.84 -0.21	49.05 2.49 -1.98	49.41 1.79 1.38	46.44 1.41 7.69	54.40 1.22 1.10	73.23 2.42 0.00	72.02 2.27 0.00	55.59 2.21 0.00	48.20 1.55 0.00	46.53 2.00 -0.23	48.90 1.96 0.00
SOUTH_FORK_WT_PWR 323839	49.39 1.26 0.00	39.34 0.71 -0.21	41.21 0.46 0.00	43.90 0.27 0.00	42.79 0.06 0.00	45.18 -0.34 1.52	25.40 -0.75 29.40	40.73 -0.66 21.97	35.15 -0.12 8.95	47.11 0.69 0.00	48.86 1.34 0.00	48.86 1.91 -0.28	51.60 1.80 -0.07	51.15 2.09 -0.21	48.32 1.75 -1.98	48.63 1.01 1.38	45.65 0.62 7.69	53.61 0.42 1.10	72.29 1.49 0.00	71.29 1.55 0.00	55.19 1.81 0.00	47.78 1.13 0.00	46.12 1.59 -0.23	48.46 1.51 0.00
SPIERFLS_115KV_TB 1 80737	49.76 1.62 0.00	39.65 1.23 0.00	42.08 1.33 0.00	44.91 1.27 0.00	43.92 1.19 0.00	48.15 1.11 0.00	56.67 1.12 0.00	64.37 1.02 0.00	45.17 0.95 0.00	47.23 0.80 0.00	48.16 0.64 0.00	47.16 0.50 0.00	50.26 0.53 0.00	49.46 0.61 0.00	45.21 0.63 0.00	50.18 1.18 0.00	54.13 1.41 0.00	55.79 1.50 0.00	72.41 1.61 0.00	71.57 1.83 0.00	54.84 1.46 0.00	47.99 1.34 0.00	45.48 1.18 0.00	48.20 1.26 0.00
ST LAWRENCE____ 23600	48.39 0.25 0.00	38.57 0.15 0.00	40.96 0.21 0.00	43.93 0.30 0.00	43.02 0.28 0.00	47.41 0.38 0.00	56.20 0.65 0.00	64.02 0.67 0.00	44.59 0.37 0.00	46.89 0.46 0.00	48.01 0.49 0.00	47.05 0.38 0.00	50.24 0.51 0.00	49.32 0.47 0.00	44.98 0.40 0.00	49.41 0.40 0.00	53.19 0.47 0.00	54.85 0.57 0.00	71.73 0.92 0.00	70.69 0.94 0.00	54.07 0.69 0.00	47.26 0.61 0.00	44.95 0.66 0.00	47.52 0.58 0.00

STATE_CA_115KV_115_LB 55624	48.49 0.35 0.00	38.75 0.33 0.00	41.18 0.43 0.00	43.86 0.22 0.00	42.99 0.26 0.00	47.14 0.10 0.00	55.48 -0.07 0.00	63.10 -0.26 0.00	44.26 0.03 0.00	46.64 0.21 0.00	47.91 0.39 0.00	47.03 0.36 0.00	50.13 0.39 0.00	49.26 0.41 0.00	45.04 0.46 0.00	49.55 0.54 0.00	53.32 0.60 0.00	54.71 0.43 0.00	71.07 0.26 0.00	69.97 0.23 0.00	53.70 0.32 0.00	46.96 0.31 0.00	44.44 0.14 0.00	47.08 0.13 0.00
STATE_ST_34_KV_LOAD 55959	48.11 -0.03 0.00	38.40 -0.02 0.00	41.03 -0.10 -0.37	43.63 0.00 0.00	42.74 0.01 0.00	47.31 0.27 0.00	55.94 0.39 0.00	64.23 0.87 0.00	44.63 0.41 0.00	46.37 -0.06 0.00	47.02 -0.49 0.00	46.08 -0.59 -0.01	48.96 -0.77 0.00	48.12 -0.73 0.00	43.87 -0.72 0.00	48.29 -0.71 0.00	52.25 -0.48 0.00	54.15 -0.13 0.00	70.56 -0.24 0.00	69.66 -0.08 0.00	55.10 -0.18 -1.90	46.73 -0.17 -0.25	44.13 -0.16 0.00	46.93 -0.01 0.00
STATION_5_MISC_HYD 23604	47.25 -0.82 0.07	37.44 -0.71 0.26	39.00 -0.94 0.81	42.77 -0.63 0.24	41.80 -0.67 0.26	46.56 -0.19 0.27	54.40 -0.54 0.61	62.57 -0.56 0.23	42.97 -0.53 0.73	44.89 -1.02 0.52	45.75 -1.48 0.28	45.03 -1.56 0.07	48.41 -1.32 0.00	47.26 -1.23 0.36	42.80 -1.39 0.39	47.11 -1.26 0.64	50.81 -1.51 0.40	52.27 -1.67 0.35	68.27 -2.12 0.41	67.35 -1.95 0.44	48.67 -1.83 2.88	44.57 -1.52 0.56	42.71 -1.21 0.38	46.08 -0.64 0.22
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	47.40 -0.74 0.00	37.77 -0.64 0.00	39.35 -0.83 0.57	43.06 -0.57 0.00	42.13 -0.60 0.00	46.84 -0.19 0.00	55.17 -0.39 0.00	63.14 -0.22 0.00	43.90 -0.33 0.00	45.66 -0.77 0.00	46.24 -1.28 0.00	45.31 -1.37 -0.01	48.47 -1.26 0.00	47.64 -1.21 0.00	43.28 -1.30 0.00	47.79 -1.21 0.00	51.37 -1.35 0.00	53.00 -1.28 0.00	69.28 -1.53 0.00	68.33 -1.41 0.00	49.51 -1.35 2.52	45.19 -1.14 0.33	43.35 -0.95 0.00	46.35 -0.59 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	47.02 -1.11 0.00	37.47 -0.94 0.00	39.02 -1.17 0.57	42.74 -0.90 0.00	41.80 -0.93 0.00	46.51 -0.53 0.00	54.66 -0.90 0.00	62.39 -0.96 0.00	43.41 -0.81 0.00	45.15 -1.28 0.00	45.76 -1.75 0.00	44.85 -1.81 0.00	48.12 -1.62 0.00	47.32 -1.53 0.00	42.94 -1.64 0.00	47.44 -1.56 0.00	50.91 -1.81 0.00	52.34 -1.94 0.00	68.30 -2.50 0.00	67.42 -2.33 0.00	48.71 -2.12 2.54	44.53 -1.78 0.33	42.83 -1.47 0.00	45.96 -0.98 0.00
STA_56___34_KV_BUS2 355983	47.02 -1.11 0.00	37.47 -0.94 0.00	39.02 -1.17 0.57	42.74 -0.90 0.00	41.80 -0.93 0.00	46.51 -0.53 0.00	54.66 -0.90 0.00	62.39 -0.96 0.00	43.41 -0.81 0.00	45.15 -1.28 0.00	45.76 -1.75 0.00	44.85 -1.81 0.00	48.12 -1.62 0.00	47.32 -1.53 0.00	42.94 -1.64 0.00	47.44 -1.56 0.00	50.91 -1.81 0.00	52.34 -1.94 0.00	68.30 -2.50 0.00	67.42 -2.33 0.00	48.71 -2.12 2.54	44.53 -1.78 0.33	42.83 -1.47 0.00	45.96 -0.98 0.00
STA_67___115KV_BK2 355882	47.22 -0.92 0.00	37.63 -0.79 0.00	39.15 -1.02 0.58	42.92 -0.71 0.00	41.98 -0.75 0.00	46.74 -0.29 0.00	54.88 -0.67 0.00	62.64 -0.72 0.00	43.58 -0.64 0.00	45.31 -1.13 0.00	45.91 -1.60 0.00	45.00 -1.66 0.00	48.31 -1.42 0.00	47.51 -1.34 0.00	43.09 -1.50 0.00	47.63 -1.37 0.00	51.07 -1.65 0.00	52.47 -1.81 0.00	68.50 -2.30 0.00	67.62 -2.12 0.00	48.79 -1.97 2.61	44.67 -1.64 0.34	42.99 -1.31 0.00	46.19 -0.75 0.00
STA_7___115KV_9TRANS 80674	47.50 -0.63 0.00	37.84 -0.57 0.00	39.37 -0.80 0.58	43.16 -0.48 0.00	42.20 -0.53 0.00	47.02 -0.01 0.00	55.26 -0.30 0.00	63.12 -0.24 0.00	43.91 -0.31 0.00	45.61 -0.82 0.00	46.24 -1.28 0.00	45.29 -1.37 0.00	48.62 -1.12 0.00	47.81 -1.04 0.00	43.36 -1.23 0.00	47.95 -1.05 0.00	51.45 -1.27 0.00	52.90 -1.38 0.00	69.08 -1.72 0.00	68.20 -1.54 0.00	49.20 -1.56 2.62	45.01 -1.30 0.34	43.29 -1.01 0.00	46.49 -0.45 0.00
STA_82___115KV_TB1 80780	47.25 -0.89 0.00	37.65 -0.77 0.00	39.16 -1.00 0.59	42.95 -0.69 0.00	41.99 -0.74 0.00	46.76 -0.28 0.00	54.90 -0.65 0.00	62.67 -0.68 0.00	43.60 -0.63 0.00	45.32 -1.11 0.00	45.91 -1.60 0.00	44.99 -1.67 0.00	48.31 -1.42 0.00	47.51 -1.34 0.00	43.09 -1.50 0.00	47.63 -1.37 0.00	51.07 -1.65 0.00	52.49 -1.79 0.00	68.52 -2.28 0.00	67.65 -2.09 0.00	48.76 -1.97 2.66	44.68 -1.62 0.35	43.00 -1.30 0.00	46.20 -0.74 0.00
STEEL___WIND 323596	46.26 -1.66 0.21	36.18 -1.42 0.82	37.16 -1.84 1.76	41.76 -1.14 0.73	40.58 -1.34 0.81	45.70 -0.48 0.85	52.00 -1.65 1.90	61.10 -1.66 0.60	40.89 -1.39 1.94	43.16 -1.89 1.38	44.17 -2.61 0.74	43.81 -2.65 0.20	47.67 -2.06 0.00	45.84 -1.91 1.10	41.17 -2.35 1.06	45.04 -2.22 1.75	48.32 -3.19 1.22	49.35 -3.88 1.05	64.40 -5.19 1.22	63.62 -4.82 1.30	43.44 -4.24 5.69	41.92 -3.46 1.27	40.57 -2.61 1.11	45.09 -1.20 0.65
STEPHTWN_115KV_BK_2 55603	48.80 0.66 0.00	38.92 0.51 0.00	41.34 0.60 0.00	44.11 0.48 0.00	43.21 0.47 0.00	47.40 0.36 0.00	56.00 0.45 0.00	63.57 0.21 0.00	44.54 0.31 0.00	46.95 0.52 0.00	48.23 0.71 0.00	47.39 0.73 0.00	50.55 0.81 0.00	49.59 0.74 0.00	45.36 0.77 0.00	49.93 0.93 0.00	53.94 1.23 0.00	55.14 0.86 0.00	71.67 0.86 0.00	70.52 0.78 0.00	54.05 0.67 0.00	47.24 0.59 0.00	44.80 0.50 0.00	47.40 0.45 0.00
STEBEN_REC_LFGE 323667	46.47 -1.67 0.00	36.98 -1.43 0.00	35.87 -1.54 3.34	43.01 -0.63 0.00	42.04 -0.69 0.00	47.39 0.36 0.00	55.58 0.03 0.00	64.49 1.13 0.00	44.35 0.12 0.00	45.58 -0.85 0.00	45.64 -1.88 0.00	44.79 -1.87 0.00	48.38 -1.35 0.00	47.57 -1.28 0.00	42.79 -1.79 0.00	47.34 -1.67 0.00	50.25 -2.47 0.00	52.41 -1.87 0.00	68.52 -2.29 0.00	67.37 -2.37 0.00	36.93 -2.27 14.18	43.01 -1.78 1.86	42.94 -1.36 0.00	46.52 -0.42 0.00
STILLWATER___SOLAR 323814	49.78 1.64 0.00	39.72 1.30 0.00	42.18 1.43 0.00	45.01 1.38 0.00	44.06 1.33 0.00	48.38 1.34 0.00	56.96 1.41 0.00	64.74 1.38 0.00	45.30 1.08 0.00	47.47 1.04 0.00	48.47 0.96 0.00	47.58 0.91 0.00	50.69 0.96 0.00	49.89 1.04 0.00	45.61 1.03 0.00	50.45 1.44 0.00	54.38 1.66 0.00	56.02 1.74 0.00	72.77 1.97 0.00	71.77 2.03 0.00	55.03 1.65 0.00	48.15 1.50 0.00	45.59 1.29 0.00	48.33 1.39 0.00
STONY___BROOK 24151	50.99 2.85 0.00	40.66 2.02 -0.23	42.58 1.83 0.00	45.34 1.70 0.00	44.16 1.43 0.00	46.67 1.14 1.51	27.11 0.74 29.18	42.64 1.09 21.81	36.43 1.08 8.88	48.41 1.98 0.00	50.41 2.90 0.00	50.31 3.35 -0.31	52.98 3.16 -0.09	52.45 3.37 -0.23	49.66 3.07 -2.01	49.89 2.26 1.37	46.83 1.75 7.63	54.70 1.50 1.09	73.25 2.45 0.00	71.65 1.91 0.00	55.03 1.66 0.00	48.00 1.35 0.00	46.44 1.91 -0.23	48.91 1.97 0.00
STURGEON_POOL_HYD 23609	50.24 2.10 0.00	39.96 1.55 0.00	42.27 1.52 0.00	45.08 1.45 0.00	44.18 1.45 0.00	48.54 1.50 0.00	57.06 1.51 0.00	65.38 2.02 0.00	45.92 1.69 0.00	48.56 2.13 0.00	50.15 2.63 0.00	49.39 2.72 0.00	52.45 2.71 0.00	51.52 2.67 0.00	46.96 2.38 0.00	51.33 2.33 0.00	54.94 2.22 0.00	56.32 2.04 0.00	73.54 2.74 0.00	72.25 2.51 0.00	55.32 1.94 0.00	48.31 1.66 0.00	45.87 1.57 0.00	48.55 1.61 0.00

ST_LAW_115_BK7_LBMP 345037	48.46 0.33 0.00	38.61 0.20 0.00	41.01 0.26 0.00	43.99 0.36 0.00	43.06 0.33 0.00	47.47 0.44 0.00	56.28 0.73 0.00	64.15 0.79 0.00	44.64 0.41 0.00	46.95 0.52 0.00	48.06 0.54 0.00	47.09 0.43 0.00	50.30 0.57 0.00	49.37 0.52 0.00	45.02 0.43 0.00	49.45 0.44 0.00	53.23 0.51 0.00	54.92 0.64 0.00	71.86 1.05 0.00	70.80 1.06 0.00	54.16 0.78 0.00	47.35 0.69 0.00	45.03 0.73 0.00	47.60 0.66 0.00
ST_LAW_115_BK8_LBMP 345038	48.46 0.33 0.00	38.61 0.20 0.00	41.01 0.26 0.00	43.99 0.36 0.00	43.06 0.33 0.00	47.47 0.44 0.00	56.28 0.73 0.00	64.15 0.79 0.00	44.64 0.41 0.00	46.95 0.52 0.00	48.06 0.54 0.00	47.09 0.43 0.00	50.30 0.57 0.00	49.37 0.52 0.00	45.02 0.43 0.00	49.45 0.44 0.00	53.23 0.51 0.00	54.92 0.64 0.00	71.86 1.05 0.00	70.80 1.06 0.00	54.16 0.78 0.00	47.35 0.69 0.00	45.03 0.73 0.00	47.60 0.66 0.00
ST_LAW_230_BK5_LBMP 345035	48.39 0.25 0.00	38.57 0.15 0.00	40.96 0.21 0.00	43.93 0.30 0.00	43.02 0.28 0.00	47.41 0.38 0.00	56.20 0.65 0.00	64.02 0.67 0.00	44.59 0.37 0.00	46.89 0.46 0.00	48.01 0.49 0.00	47.05 0.38 0.00	50.24 0.51 0.00	49.32 0.47 0.00	44.98 0.40 0.00	49.41 0.40 0.00	53.19 0.47 0.00	54.85 0.57 0.00	71.73 0.92 0.00	70.69 0.94 0.00	54.07 0.69 0.00	47.26 0.61 0.00	44.95 0.66 0.00	47.52 0.58 0.00
ST_LAW_230_BK6_LBMP 345036	48.39 0.25 0.00	38.57 0.15 0.00	40.96 0.21 0.00	43.93 0.30 0.00	43.02 0.28 0.00	47.41 0.38 0.00	56.20 0.65 0.00	64.02 0.67 0.00	44.59 0.37 0.00	46.89 0.46 0.00	48.01 0.49 0.00	47.05 0.38 0.00	50.24 0.51 0.00	49.32 0.47 0.00	44.98 0.40 0.00	49.41 0.40 0.00	53.19 0.47 0.00	54.85 0.57 0.00	71.73 0.92 0.00	70.69 0.94 0.00	54.07 0.69 0.00	47.26 0.61 0.00	44.95 0.66 0.00	47.52 0.58 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	50.46 2.32 0.00	40.05 1.63 0.00	42.32 1.57 0.00	45.11 1.48 0.00	44.28 1.55 0.00	48.77 1.73 0.00	57.27 1.72 0.00	65.67 2.31 0.00	46.12 1.89 0.00	48.81 2.38 0.00	50.50 2.99 0.00	49.80 3.14 0.00	52.93 3.20 0.00	51.98 3.13 0.00	47.40 2.82 0.00	51.70 2.70 0.00	55.25 2.53 0.00	56.59 2.31 0.00	73.96 3.15 0.00	72.60 2.86 0.00	55.49 2.12 0.00	48.46 1.81 0.00	46.06 1.76 0.00	48.79 1.85 0.00
SWANROAD_115KV_TB1 355699	45.66 -2.48 0.00	36.36 -2.06 0.00	37.34 -2.49 0.92	41.78 -1.86 0.00	40.65 -2.08 0.00	45.58 -1.45 0.00	52.41 -3.15 0.00	59.55 -3.81 0.00	41.34 -2.88 0.00	42.91 -3.52 0.00	43.33 -4.19 0.00	42.61 -4.05 0.00	46.42 -3.31 0.00	45.39 -3.46 0.00	40.82 -3.76 0.00	45.33 -3.67 0.00	47.86 -4.86 0.00	48.57 -5.71 0.00	63.19 -7.61 0.00	62.60 -7.14 0.00	43.30 -5.79 4.29	41.34 -4.75 0.56	40.49 -3.81 0.00	44.77 -2.17 0.00
SYNERGY___BIOGAS 323694	47.63 -0.51 0.00	37.90 -0.52 0.00	39.14 -0.82 0.79	43.40 -0.23 0.00	42.37 -0.36 0.00	47.52 0.48 0.00	55.34 -0.21 0.00	63.22 -0.13 0.00	43.89 -0.34 0.00	45.22 -1.21 0.00	45.40 -2.12 0.00	44.37 -2.29 0.00	47.98 -1.76 0.00	47.00 -1.85 0.00	42.40 -2.18 0.00	47.04 -1.97 0.00	50.26 -2.46 0.00	51.86 -2.42 0.00	67.82 -2.98 0.00	67.09 -2.65 0.00	47.27 -2.47 3.64	44.15 -2.02 0.48	42.82 -1.48 0.00	46.70 -0.24 0.00
SYRACUSE___ENERGY_ST1 323597	47.67 -0.47 0.00	38.05 -0.37 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.72 -0.31 0.00	55.20 -0.35 0.00	63.03 -0.33 0.00	43.91 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 -0.02	48.87 -0.87 0.00	48.01 -0.84 0.00	43.81 -0.77 0.00	48.21 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.13 -0.62 0.00	52.76 -0.62 0.00	46.09 -0.56 0.00	43.74 -0.56 0.00	46.40 -0.54 0.00
SYRACUSE___ENERGY_ST2 323598	47.67 -0.47 0.00	38.05 -0.37 0.00	40.31 -0.44 0.00	43.24 -0.39 0.00	42.34 -0.39 0.00	46.72 -0.31 0.00	55.20 -0.35 0.00	63.03 -0.33 0.00	43.91 -0.31 0.00	45.87 -0.56 0.00	46.69 -0.83 0.00	45.88 -0.80 -0.02	48.87 -0.87 0.00	48.01 -0.84 0.00	43.81 -0.77 0.00	48.21 -0.80 0.00	51.96 -0.76 0.00	53.75 -0.53 0.00	70.15 -0.65 0.00	69.13 -0.62 0.00	52.76 -0.62 0.00	46.09 -0.56 0.00	43.74 -0.56 0.00	46.40 -0.54 0.00
SYRACUSE___POWER 24017	47.76 -0.37 0.00	38.12 -0.29 0.00	40.62 -0.37 -0.24	43.31 -0.32 0.00	42.41 -0.32 0.00	46.81 -0.22 0.00	55.33 -0.22 0.00	63.29 -0.07 0.00	44.10 -0.12 0.00	46.06 -0.38 0.00	46.88 -0.64 0.00	46.00 -0.67 0.00	48.99 -0.75 0.00	48.13 -0.72 0.00	43.92 -0.66 0.00	48.33 -0.68 0.00	52.05 -0.67 0.00	53.77 -0.51 0.00	70.23 -0.57 0.00	69.19 -0.55 0.00	54.25 -0.53 -1.40	46.34 -0.50 -0.18	43.81 -0.49 0.00	46.46 -0.48 0.00
TALLMAN_138KV_BK151 55660	50.60 2.46 0.00	40.13 1.71 0.00	42.37 1.62 0.00	45.16 1.52 0.00	44.34 1.60 0.00	48.85 1.81 0.00	57.37 1.82 0.00	65.79 2.43 0.00	46.27 2.04 0.00	49.01 2.58 0.00	50.76 3.24 0.00	50.09 3.43 0.00	53.24 3.50 0.00	52.28 3.43 0.00	47.68 3.09 0.00	51.97 2.96 0.00	55.46 2.74 0.00	56.75 2.47 0.00	74.18 3.38 0.00	72.77 3.03 0.00	55.59 2.22 0.00	48.55 1.89 0.00	46.13 1.83 0.00	48.90 1.96 0.00
TEALLAVE_115KV_TB7 355573	47.40 -0.74 0.00	37.85 -0.57 0.00	40.08 -0.67 0.00	42.98 -0.65 0.00	42.10 -0.63 0.00	46.45 -0.58 0.00	54.88 -0.67 0.00	62.74 -0.61 0.00	43.74 -0.48 0.00	45.72 -0.72 0.00	46.57 -0.94 0.00	45.74 -0.93 0.00	48.72 -1.01 0.00	47.89 -0.96 0.00	43.70 -0.89 0.00	48.08 -0.93 0.00	51.75 -0.97 0.00	53.39 -0.89 0.00	69.66 -1.14 0.00	68.63 -1.11 0.00	52.45 -0.93 0.00	45.81 -0.84 0.00	43.50 -0.80 0.00	46.14 -0.80 0.00
TELGRAPH_34_KV_EAST 80808	46.68 -1.46 0.00	37.16 -1.26 0.00	38.27 -1.63 0.85	42.62 -1.02 0.00	41.54 -1.19 0.00	46.59 -0.44 0.00	53.92 -1.64 0.00	61.45 -1.91 0.00	42.66 -1.56 0.00	44.15 -2.28 0.00	44.47 -3.04 0.00	43.64 -3.03 0.00	47.36 -2.37 0.00	46.38 -2.47 0.00	41.76 -2.82 0.00	46.35 -2.65 0.00	49.20 -3.52 0.00	50.27 -4.01 0.00	65.56 -5.24 0.00	64.90 -4.84 0.00	45.33 -4.11 3.94	42.79 -3.35 0.52	41.70 -2.60 0.00	45.75 -1.19 0.00
TEMPLE___115KV_TB 2 55572	47.41 -0.73 0.00	37.86 -0.56 0.00	40.09 -0.66 0.00	43.00 -0.64 0.00	42.11 -0.62 0.00	46.46 -0.57 0.00	54.90 -0.66 0.00	62.75 -0.61 0.00	43.75 -0.48 0.00	45.72 -0.71 0.00	46.59 -0.93 0.00	45.75 -0.91 0.00	48.74 -0.99 0.00	47.91 -0.94 0.00	43.71 -0.88 0.00	48.10 -0.91 0.00	51.78 -0.94 0.00	53.42 -0.86 0.00	69.71 -1.09 0.00	68.66 -1.09 0.00	52.47 -0.91 0.00	45.83 -0.82 0.00	43.51 -0.79 0.00	46.17 -0.77 0.00
TIANA____69_KV_BK 1 55817	50.93 2.79 0.00	40.57 1.95 -0.21	42.51 1.76 0.00	45.28 1.65 0.00	44.12 1.38 0.00	46.65 1.13 1.52	27.02 0.86 29.40	42.60 1.22 21.97	36.45 1.17 8.95	48.48 2.05 0.00	50.28 2.77 0.00	50.26 3.31 -0.28	52.96 3.16 -0.07	52.45 3.39 -0.21	49.62 3.05 -1.98	49.97 2.35 1.38	46.96 1.93 7.69	54.88 1.70 1.10	73.72 2.92 0.00	72.18 2.44 0.00	55.53 2.16 0.00	48.31 1.66 0.00	46.71 2.18 -0.23	49.12 2.18 0.00

TILDEN___115KV_TB1 80814	47.76 -0.37 0.00	38.12 -0.29 0.00	40.62 -0.37 -0.24	43.31 -0.32 0.00	42.41 -0.32 0.00	46.81 -0.22 0.00	55.33 -0.22 0.00	63.29 -0.07 0.00	44.10 -0.12 0.00	46.06 -0.38 0.00	46.88 -0.64 0.00	46.00 -0.67 0.00	48.99 -0.75 0.00	48.13 -0.72 0.00	43.92 -0.66 0.00	48.33 -0.68 0.00	52.05 -0.67 0.00	53.77 -0.51 0.00	70.23 -0.57 0.00	69.19 -0.55 0.00	54.25 -0.53 -1.40	46.34 -0.50 -0.18	43.81 -0.49 0.00	46.46 -0.48 0.00
TRIGEN___CC 323695	51.02 2.86 -0.02	42.27 2.07 -1.79	42.68 1.93 0.00	45.44 1.81 0.00	44.41 1.68 0.00	48.28 1.63 0.38	51.60 1.40 5.35	61.46 2.01 3.91	44.38 1.75 1.59	48.92 2.49 0.00	50.95 3.42 -0.02	52.90 3.65 -2.59	54.94 3.71 -1.49	54.39 3.72 -1.83	53.15 3.32 -5.24	51.67 2.89 0.22	54.05 2.56 1.23	56.43 2.32 0.17	74.18 3.37 0.00	72.63 2.88 0.00	55.70 2.33 0.00	48.56 1.91 0.00	46.87 2.16 -0.42	49.19 2.25 0.00
TRINITY___115KV___4 BK 55933	48.18 0.04 0.00	38.50 0.09 0.00	40.92 0.17 0.00	43.59 -0.05 0.00	42.72 -0.01 0.00	46.81 -0.22 0.00	55.08 -0.47 0.00	62.60 -0.76 0.00	43.94 -0.29 0.00	46.32 -0.11 0.00	47.57 0.05 0.00	46.73 0.07 0.00	49.77 0.03 0.00	48.90 0.05 0.00	44.71 0.13 0.00	49.16 0.15 0.00	52.90 0.18 0.00	54.27 -0.01 0.00	70.50 -0.31 0.00	69.41 -0.33 0.00	53.30 -0.07 0.00	46.63 -0.02 0.00	44.15 -0.15 0.00	46.77 -0.17 0.00
UNION___PROCESSING_DRP 323587	47.25 -0.89 0.00	37.65 -0.77 0.00	39.16 -1.00 0.59	42.95 -0.68 0.00	42.01 -0.72 0.00	46.76 -0.27 0.00	54.93 -0.62 0.00	62.69 -0.67 0.00	43.60 -0.62 0.00	45.33 -1.11 0.00	45.93 -1.59 0.00	45.00 -1.66 0.00	48.31 -1.42 0.00	47.52 -1.33 0.00	43.09 -1.49 0.00	47.63 -1.37 0.00	51.07 -1.65 0.00	52.50 -1.77 0.00	68.53 -2.27 0.00	67.66 -2.09 0.00	48.76 -1.96 2.66	44.68 -1.62 0.35	43.00 -1.30 0.00	46.21 -0.74 0.00
UPPER HUDSON___HYD 24058	49.76 1.62 0.00	39.64 1.23 0.00	42.07 1.33 0.00	44.91 1.27 0.00	43.92 1.19 0.00	48.14 1.11 0.00	56.67 1.12 0.00	64.37 1.02 0.00	45.17 0.94 0.00	47.23 0.80 0.00	48.16 0.64 0.00	47.16 0.50 0.00	50.26 0.53 0.00	49.46 0.61 0.00	45.21 0.62 0.00	50.18 1.18 0.00	54.13 1.40 0.00	55.78 1.50 0.00	72.41 1.60 0.00	71.57 1.82 0.00	54.84 1.46 0.00	47.99 1.34 0.00	45.47 1.18 0.00	48.20 1.26 0.00
UPPER RAQUET___HYD 24056	50.03 1.89 0.00	39.85 1.43 0.00	42.33 1.59 0.00	45.46 1.83 0.00	44.56 1.83 0.00	49.21 2.18 0.00	58.11 2.55 0.00	66.36 3.01 0.00	46.07 1.84 0.00	48.25 1.82 0.00	48.97 1.46 0.00	47.90 1.24 0.00	51.18 1.45 0.00	50.19 1.34 0.00	45.75 1.17 0.00	50.20 1.20 0.00	54.14 1.42 0.00	56.23 1.95 0.00	73.66 2.85 0.00	72.59 2.85 0.00	55.47 2.09 0.00	48.57 1.92 0.00	46.35 2.06 0.00	48.93 1.99 0.00
VALLEY44_115KV_TB2 355964	46.95 -1.19 0.00	37.32 -1.10 0.00	38.14 -1.47 1.13	42.67 -0.96 0.00	41.63 -1.10 0.00	46.84 -0.20 0.00	54.37 -1.18 0.00	62.69 -0.67 0.00	43.58 -0.65 0.00	45.56 -0.87 0.00	46.11 -1.40 0.00	45.24 -1.42 0.00	48.74 -0.99 0.00	47.93 -0.92 0.00	43.20 -1.39 0.00	47.73 -1.28 0.00	50.27 -2.45 0.00	51.34 -2.94 0.00	67.10 -3.71 0.00	66.41 -3.33 0.00	44.43 -3.16 5.79	43.23 -2.66 0.76	42.30 -1.99 0.00	46.05 -0.89 0.00
VALLEY___115KV_TB 1-4 80826	49.57 1.43 0.00	39.53 1.12 0.00	41.99 1.24 0.00	44.74 1.11 0.00	44.02 1.29 0.00	48.49 1.46 0.00	57.14 1.59 0.00	65.16 1.80 0.00	44.96 0.74 0.00	46.83 0.40 0.00	47.87 0.36 0.00	47.36 0.70 0.00	50.58 0.85 0.00	49.67 0.82 0.00	45.49 0.91 0.00	50.28 1.27 0.00	54.31 1.59 0.00	56.09 1.80 0.00	73.45 2.64 0.00	72.32 2.57 0.00	55.26 1.89 0.00	48.35 1.70 0.00	45.80 1.50 0.00	48.51 1.56 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	50.13 1.99 0.00	40.10 1.68 0.00	42.68 1.70 -0.23	45.45 1.82 0.00	44.57 1.83 0.00	49.08 2.05 0.00	57.85 2.29 0.00	66.12 2.77 0.00	46.16 1.93 0.00	48.46 2.03 0.00	49.75 2.24 0.00	48.98 2.32 0.00	52.31 2.58 0.00	50.92 2.07 0.00	46.59 2.01 0.00	51.25 2.25 0.00	55.28 2.56 0.00	56.64 2.36 0.00	73.71 2.91 0.00	72.47 2.73 0.00	56.23 2.01 -0.85	48.35 1.59 -0.11	45.77 1.47 0.00	48.52 1.57 0.00
VISCHER___FERRY HYD 24020	49.15 1.01 0.00	39.25 0.83 0.00	41.72 0.97 0.00	44.46 0.82 0.00	43.53 0.80 0.00	47.74 0.70 0.00	56.16 0.61 0.00	63.73 0.37 0.00	44.69 0.47 0.00	47.06 0.63 0.00	48.23 0.72 0.00	47.34 0.68 0.00	50.43 0.69 0.00	49.58 0.73 0.00	45.26 0.67 0.00	49.94 0.94 0.00	53.83 1.11 0.00	55.29 1.01 0.00	71.74 0.94 0.00	70.72 0.98 0.00	54.33 0.96 0.00	47.56 0.91 0.00	45.01 0.72 0.00	47.74 0.80 0.00
V_A_10_SYNC_DSASP 323832	46.21 -1.93 0.00	36.78 -1.64 0.00	37.91 -2.03 0.81	42.12 -1.51 0.00	41.08 -1.65 0.00	46.02 -1.01 0.00	53.39 -2.17 0.00	60.81 -2.55 0.00	42.25 -1.97 0.00	43.95 -2.48 0.00	44.45 -3.07 0.00	43.57 -3.09 0.00	47.19 -2.55 0.00	46.43 -2.42 0.00	41.88 -2.71 0.00	46.36 -2.65 0.00	49.18 -3.54 0.00	50.01 -4.27 0.00	65.16 -5.65 0.00	64.47 -5.27 0.00	45.11 -4.52 3.75	42.49 -3.67 0.49	41.44 -2.86 0.00	45.24 -1.70 0.00
V_CMM_10_SYNC_DSASP 323787	48.71 0.57 0.00	38.81 0.39 0.00	41.22 0.46 0.00	44.23 0.59 0.00	43.29 0.56 0.00	47.73 0.69 0.00	56.59 1.03 0.00	64.47 1.12 0.00	44.86 0.64 0.00	47.18 0.75 0.00	48.29 0.78 0.00	47.32 0.66 0.00	50.55 0.81 0.00	49.61 0.76 0.00	45.23 0.65 0.00	49.69 0.69 0.00	53.50 0.79 0.00	55.22 0.94 0.00	72.23 1.43 0.00	71.17 1.42 0.00	54.42 1.04 0.00	47.59 0.94 0.00	45.26 0.96 0.00	47.85 0.91 0.00
V_CMP_10_SYNC_DSASP 323788	48.69 0.55 0.00	38.86 0.45 0.00	41.44 0.69 0.00	44.44 0.81 0.00	43.45 0.72 0.00	47.96 0.92 0.00	57.22 1.67 0.00	64.93 1.57 0.00	45.12 0.90 0.00	47.30 0.87 0.00	48.73 1.22 0.00	47.76 1.09 0.00	50.79 1.06 0.00	49.85 1.00 0.00	45.72 1.14 0.00	50.05 1.05 0.00	53.73 1.01 0.00	55.34 1.06 0.00	72.55 1.74 0.00	71.48 1.74 0.00	54.72 1.34 0.00	47.79 1.14 0.00	45.53 1.24 0.00	48.35 1.42 0.00
V_D_10_SYNC_DSASP 323841	49.20 1.06 0.00	39.21 0.80 0.00	41.64 0.89 0.00	44.68 1.04 0.00	43.74 1.01 0.00	48.25 1.22 0.00	57.18 1.63 0.00	65.18 1.82 0.00	45.34 1.12 0.00	47.62 1.20 0.00	48.70 1.18 0.00	47.72 1.06 0.00	50.96 1.23 0.00	49.99 1.14 0.00	45.53 0.94 0.00	49.98 0.98 0.00	53.82 1.10 0.00	55.62 1.34 0.00	72.96 2.16 0.00	71.88 2.14 0.00	55.01 1.63 0.00	48.07 1.42 0.00	45.75 1.45 0.00	48.35 1.42 0.00
V_E_10_SYNC_DSASP 323830	51.33 3.11 -0.07	41.19 2.49 -0.29	45.25 2.63 -1.87	46.90 3.00 -0.26	46.07 3.05 -0.28	51.20 3.86 -0.30	60.99 4.76 -0.67	69.59 5.98 -0.25	48.62 3.59 -0.81	49.88 2.88 -0.58	50.24 2.42 -0.31	49.34 2.60 -0.08	52.48 2.75 0.00	51.76 2.52 -0.39	47.13 2.14 -0.40	52.21 2.61 -0.60	56.26 3.11 -0.43	58.72 4.06 -0.38	77.06 5.81 -0.45	75.72 5.50 -0.48	65.13 3.57 -8.19	50.60 2.68 -1.27	47.07 2.37 -0.41	49.47 2.29 -0.24

V_F_30_NSYNC___DSASP 323816	49.85 1.71 0.00	39.76 1.35 0.00	42.23 1.48 0.00	45.07 1.44 0.00	44.12 1.39 0.00	48.45 1.42 0.00	57.08 1.52 0.00	64.89 1.53 0.00	45.39 1.17 0.00	47.56 1.13 0.00	48.60 1.09 0.00	47.68 1.02 0.00	50.82 1.09 0.00	50.01 1.16 0.00	45.72 1.14 0.00	50.54 1.54 0.00	54.47 1.75 0.00	56.12 1.83 0.00	72.92 2.11 0.00	71.89 2.15 0.00	55.11 1.73 0.00	48.20 1.55 0.00	45.66 1.36 0.00	48.39 1.45 0.00
V_F_30_SYNC_DSASP 323786	48.47 0.33 0.00	38.74 0.33 0.00	41.17 0.42 0.00	43.85 0.22 0.00	42.98 0.25 0.00	47.13 0.10 0.00	55.47 -0.08 0.00	63.09 -0.27 0.00	44.25 0.03 0.00	46.63 0.20 0.00	47.90 0.39 0.00	47.02 0.36 0.00	50.11 0.38 0.00	49.25 0.39 0.00	45.03 0.44 0.00	49.54 0.54 0.00	53.31 0.59 0.00	54.70 0.42 0.00	71.07 0.26 0.00	69.95 0.21 0.00	53.68 0.31 0.00	46.95 0.30 0.00	44.44 0.14 0.00	47.07 0.12 0.00
V_XM_10_SYNC_DSASP 323789	48.69 0.55 0.00	38.86 0.45 0.00	41.44 0.69 0.00	44.44 0.81 0.00	43.45 0.72 0.00	47.96 0.92 0.00	57.22 1.67 0.00	64.93 1.57 0.00	45.12 0.90 0.00	47.30 0.87 0.00	48.73 1.22 0.00	47.76 1.09 0.00	50.79 1.06 0.00	49.85 1.00 0.00	45.72 1.14 0.00	50.05 1.05 0.00	53.73 1.01 0.00	55.34 1.06 0.00	72.55 1.74 0.00	71.48 1.74 0.00	54.72 1.34 0.00	47.79 1.14 0.00	45.53 1.24 0.00	48.35 1.42 0.00
W.BABYLN_69_KV_BK1 56697	51.67 3.53 0.00	41.54 2.54 -0.59	43.15 2.40 0.00	45.95 2.31 0.00	44.81 2.08 0.00	47.57 1.86 1.32	31.55 1.56 25.57	46.44 2.24 19.15	38.34 1.92 7.80	49.21 2.78 0.00	51.25 3.73 0.00	51.49 3.99 -0.84	54.09 3.94 -0.42	53.50 4.05 -0.60	50.93 3.66 -2.68	50.98 3.12 1.15	49.02 2.69 6.39	55.98 2.61 0.91	74.75 3.95 0.00	73.09 3.35 0.00	56.11 2.73 0.00	48.88 2.23 0.00	47.25 2.69 -0.27	49.70 2.76 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	50.83 2.70 0.00	40.32 1.91 0.00	42.57 1.82 0.00	45.38 1.75 0.00	44.54 1.81 0.00	49.08 2.05 0.00	57.66 2.11 0.00	66.16 2.80 0.00	46.50 2.27 0.00	49.26 2.83 0.00	51.02 3.50 0.00	50.34 3.68 0.00	53.49 3.76 0.00	52.53 3.68 0.00	47.90 3.32 0.00	52.25 3.25 0.00	55.77 3.05 0.00	57.09 2.81 0.00	74.62 3.81 0.00	73.20 3.45 0.00	55.92 2.54 0.00	48.83 2.17 0.00	46.40 2.10 0.00	49.15 2.21 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	51.01 2.87 0.00	40.47 2.06 0.00	42.72 1.97 0.00	45.51 1.88 0.00	44.65 1.92 0.00	49.18 2.15 0.00	57.76 2.21 0.00	66.25 2.89 0.00	46.60 2.37 0.00	49.43 3.00 0.00	51.26 3.74 0.00	50.58 3.92 0.00	53.72 3.99 0.00	52.77 3.92 0.00	48.16 3.58 0.00	52.50 3.49 0.00	56.00 3.28 0.00	57.25 2.97 0.00	74.78 3.98 0.00	73.36 3.61 0.00	56.07 2.69 0.00	49.00 2.35 0.00	46.60 2.30 0.00	49.31 2.37 0.00
W50THST__13_KV_LOAD 356117	51.19 3.05 0.00	40.64 2.23 0.00	42.90 2.15 0.00	45.70 2.06 0.00	44.84 2.10 0.00	49.41 2.37 0.00	58.02 2.47 0.00	66.53 3.17 0.00	46.80 2.58 0.00	49.70 3.27 0.00	51.56 4.04 0.00	50.89 4.23 0.00	54.05 4.31 0.00	53.07 4.22 0.00	48.46 3.88 0.00	52.81 3.80 0.00	56.31 3.59 0.00	57.54 3.26 0.00	75.14 4.34 0.00	73.69 3.95 0.00	56.29 2.91 0.00	49.21 2.56 0.00	46.81 2.51 0.00	49.54 2.60 0.00
WADING RIVER_IC_1 23522	50.96 2.82 0.00	40.61 1.99 -0.21	42.56 1.81 0.00	45.31 1.67 0.00	44.14 1.41 0.00	46.63 1.12 1.52	26.92 0.79 29.42	42.52 1.15 21.98	36.39 1.12 8.96	48.40 1.98 0.00	50.19 2.68 0.00	50.21 3.26 -0.28	52.89 3.09 -0.07	52.35 3.29 -0.21	49.56 2.99 -1.98	49.89 2.26 1.38	46.81 1.78 7.70	54.74 1.55 1.10	73.38 2.58 0.00	71.79 2.05 0.00	55.17 1.79 0.00	48.07 1.42 0.00	46.50 1.97 -0.23	48.93 1.99 0.00
WADING RIVER_IC_2 23547	50.96 2.82 0.00	40.61 1.99 -0.21	42.56 1.81 0.00	45.31 1.67 0.00	44.14 1.41 0.00	46.63 1.12 1.52	26.92 0.79 29.42	42.52 1.15 21.98	36.39 1.12 8.96	48.40 1.98 0.00	50.19 2.68 0.00	50.21 3.26 -0.28	52.89 3.09 -0.07	52.35 3.29 -0.21	49.56 2.99 -1.98	49.89 2.26 1.38	46.81 1.78 7.70	54.74 1.55 1.10	73.38 2.58 0.00	71.79 2.05 0.00	55.17 1.79 0.00	48.07 1.42 0.00	46.50 1.97 -0.23	48.93 1.99 0.00
WADING RIVER_IC_3 23601	50.96 2.82 0.00	40.61 1.99 -0.21	42.56 1.81 0.00	45.31 1.67 0.00	44.14 1.41 0.00	46.63 1.12 1.52	26.92 0.79 29.42	42.52 1.15 21.98	36.39 1.12 8.96	48.40 1.98 0.00	50.19 2.68 0.00	50.21 3.26 -0.28	52.89 3.09 -0.07	52.35 3.29 -0.21	49.56 2.99 -1.98	49.89 2.26 1.38	46.81 1.78 7.70	54.74 1.55 1.10	73.38 2.58 0.00	71.79 2.05 0.00	55.17 1.79 0.00	48.07 1.42 0.00	46.50 1.97 -0.23	48.93 1.99 0.00
WALDENNY_12_KV_BK2 80841	46.56 -1.58 0.00	37.05 -1.37 0.00	37.92 -1.80 1.03	42.52 -1.11 0.00	41.43 -1.30 0.00	46.58 -0.45 0.00	53.94 -1.62 0.00	61.68 -1.68 0.00	42.83 -1.40 0.00	44.51 -1.92 0.00	44.91 -2.61 0.00	44.04 -2.62 0.00	47.76 -1.97 0.00	46.95 -1.90 0.00	42.24 -2.34 0.00	46.85 -2.16 0.00	49.54 -3.18 0.00	50.42 -3.86 0.00	65.61 -5.19 0.00	64.93 -4.82 0.00	44.29 -4.21 4.87	42.57 -3.44 0.64	41.70 -2.60 0.00	45.77 -1.17 0.00
WALDEN__HYDRO 24148	50.65 2.51 0.00	40.21 1.79 0.00	42.49 1.73 0.00	45.30 1.67 0.00	44.45 1.72 0.00	48.94 1.91 0.00	57.53 1.97 0.00	65.95 2.59 0.00	46.32 2.10 0.00	49.01 2.58 0.00	50.69 3.18 0.00	49.97 3.31 0.00	53.05 3.32 0.00	52.12 3.26 0.00	47.50 2.92 0.00	51.86 2.85 0.00	55.43 2.71 0.00	56.83 2.55 0.00	74.29 3.49 0.00	72.93 3.19 0.00	55.77 2.39 0.00	48.69 2.04 0.00	46.26 1.96 0.00	48.99 2.05 0.00
WARRENSBURG____ 23737	49.76 1.62 0.00	39.65 1.23 0.00	42.08 1.33 0.00	44.91 1.27 0.00	43.92 1.19 0.00	48.15 1.11 0.00	56.67 1.12 0.00	64.37 1.02 0.00	45.17 0.95 0.00	47.23 0.80 0.00	48.16 0.64 0.00	47.16 0.50 0.00	50.26 0.53 0.00	49.46 0.61 0.00	45.21 0.63 0.00	50.18 1.18 0.00	54.13 1.41 0.00	55.79 1.50 0.00	72.41 1.61 0.00	71.57 1.83 0.00	54.84 1.46 0.00	47.99 1.34 0.00	45.48 1.18 0.00	48.20 1.26 0.00
WATERSIDE____6 8 9 23538	50.79 2.65 0.00	40.36 1.95 0.00	42.59 1.84 0.00	45.34 1.71 0.00	44.50 1.77 0.00	49.01 1.98 0.00	57.45 1.90 0.00	65.88 2.52 0.00	46.39 2.17 0.00	49.29 2.86 0.00	51.04 3.53 0.00	50.33 3.67 0.00	53.41 3.68 0.00	52.47 3.62 0.00	47.94 3.36 0.00	52.17 3.17 0.00	55.59 2.87 0.00	56.91 2.63 0.00	74.31 3.51 0.00	72.89 3.14 0.00	55.77 2.40 0.00	48.82 2.17 0.00	46.36 2.06 0.00	49.14 2.19 0.00
WATKINRD_115KV_LN8_ILLION 55919	49.15 1.01 0.00	39.22 0.81 0.00	41.61 0.87 0.00	44.42 0.79 0.00	43.62 0.89 0.00	48.02 0.99 0.00	56.63 1.07 0.00	64.60 1.24 0.00	44.76 0.54 0.00	46.71 0.28 0.00	47.77 0.25 0.00	47.14 0.48 0.00	50.30 0.57 0.00	49.40 0.55 0.00	45.21 0.63 0.00	49.88 0.88 0.00	53.82 1.10 0.00	55.52 1.24 0.00	72.64 1.83 0.00	71.52 1.78 0.00	54.70 1.33 0.00	47.83 1.18 0.00	45.32 1.02 0.00	48.01 1.07 0.00

WDELAWARE___HYD 323627	49.93 1.79 0.00	39.69 1.27 0.00	41.96 1.21 0.00	44.77 1.14 0.00	43.92 1.19 0.00	48.35 1.32 0.00	56.93 1.38 0.00	65.28 1.93 0.00	45.78 1.56 0.00	48.36 1.93 0.00	49.90 2.39 0.00	49.14 2.48 0.00	52.16 2.43 0.00	51.26 2.41 0.00	46.57 1.99 0.00	50.97 1.96 0.00	54.67 1.94 0.00	56.17 1.89 0.00	73.42 2.62 0.00	72.13 2.39 0.00	55.15 1.78 0.00	48.11 1.46 0.00	45.65 1.35 0.00	48.30 1.36 0.00
WEST BABYLON___IC 23714	51.67 3.53 0.00	41.54 2.54 -0.59	43.15 2.40 0.00	45.95 2.31 0.00	44.81 2.08 0.00	47.57 1.86 1.32	31.55 1.56 25.57	46.44 2.24 19.15	38.34 1.92 7.80	49.21 2.78 0.00	51.25 3.73 0.00	51.49 3.99 -0.84	54.09 3.94 -0.42	53.50 4.05 -0.60	50.93 3.66 -2.68	50.98 3.12 1.15	49.02 2.69 6.39	55.98 2.61 0.91	74.75 3.95 0.00	73.09 3.35 0.00	56.11 2.73 0.00	48.88 2.23 0.00	47.25 2.69 -0.27	49.70 2.76 0.00
WEST CANADA___HYD 24049	48.27 0.13 0.00	38.53 0.11 0.00	40.87 0.12 0.00	43.72 0.09 0.00	42.83 0.09 0.00	47.12 0.08 0.00	55.59 0.03 0.00	63.41 0.05 0.00	44.27 0.05 0.00	46.46 0.03 0.00	47.56 0.05 0.00	46.74 0.08 0.00	49.78 0.05 0.00	48.90 0.05 0.00	44.66 0.07 0.00	49.10 0.10 0.00	52.83 0.11 0.00	54.37 0.09 0.00	70.87 0.07 0.00	69.82 0.08 0.00	53.44 0.06 0.00	46.70 0.05 0.00	44.30 0.00 0.00	46.95 0.01 0.00
WESTERN_NY_WIND 24143	47.55 -0.59 0.00	37.83 -0.58 0.00	39.04 -0.90 0.81	43.34 -0.30 0.00	42.31 -0.42 0.00	47.46 0.42 0.00	55.24 -0.32 0.00	63.09 -0.27 0.00	43.80 -0.42 0.00	45.13 -1.30 0.00	45.32 -2.20 0.00	44.28 -2.38 0.00	47.91 -1.82 0.00	46.94 -1.91 0.00	42.32 -2.26 0.00	46.96 -2.04 0.00	50.14 -2.57 0.00	51.73 -2.55 0.00	67.63 -3.18 0.00	66.92 -2.83 0.00	47.03 -2.61 3.73	44.03 -2.13 0.49	42.73 -1.57 0.00	46.62 -0.32 0.00
WESTOVER___LESR 323668	48.35 0.21 0.00	38.49 0.08 0.00	40.39 -0.04 0.32	43.79 0.15 0.00	42.78 0.05 0.00	47.40 0.37 0.00	55.74 0.18 0.00	63.97 0.61 0.00	44.53 0.30 0.00	46.73 0.30 0.00	47.64 0.12 0.00	46.90 0.24 0.00	50.09 0.36 0.00	49.16 0.31 0.00	44.67 0.09 0.00	49.12 0.12 0.00	52.53 -0.19 0.00	54.08 -0.20 0.00	70.70 -0.10 0.00	69.71 -0.03 0.00	51.27 -0.24 1.87	46.14 -0.26 0.24	44.15 -0.14 0.00	47.08 0.13 0.00
WETHRSFD_WT_PWR 323626	45.90 -2.24 0.00	36.54 -1.88 0.00	37.04 -2.25 1.46	42.05 -1.59 0.00	41.07 -1.66 0.00	46.30 -0.73 0.00	53.91 -1.65 0.00	61.98 -1.38 0.00	42.87 -1.35 0.00	44.24 -2.19 0.00	44.52 -3.00 0.00	43.72 -2.95 0.00	47.27 -2.46 0.00	46.48 -2.37 0.00	41.76 -2.82 0.00	46.36 -2.64 0.00	49.05 -3.67 0.00	50.50 -3.79 0.00	65.71 -5.10 0.00	64.75 -5.00 0.00	42.60 -4.22 6.56	42.33 -3.46 0.86	41.61 -2.69 0.00	45.48 -1.46 0.00
WHAVSTOR_138KV_BK127 55557	50.55 2.41 0.00	40.10 1.68 0.00	42.35 1.60 0.00	45.13 1.49 0.00	44.30 1.57 0.00	48.79 1.75 0.00	57.30 1.75 0.00	65.69 2.34 0.00	46.15 1.92 0.00	48.89 2.46 0.00	50.63 3.12 0.00	49.97 3.30 0.00	53.09 3.35 0.00	52.15 3.30 0.00	47.56 2.98 0.00	51.86 2.86 0.00	55.37 2.65 0.00	56.68 2.40 0.00	74.05 3.25 0.00	72.67 2.93 0.00	55.54 2.16 0.00	48.50 1.85 0.00	46.11 1.81 0.00	48.86 1.92 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	50.55 2.41 0.00	40.10 1.68 0.00	42.35 1.60 0.00	45.13 1.49 0.00	44.30 1.57 0.00	48.79 1.75 0.00	57.30 1.75 0.00	65.69 2.34 0.00	46.15 1.92 0.00	48.89 2.46 0.00	50.63 3.12 0.00	49.97 3.30 0.00	53.09 3.35 0.00	52.15 3.30 0.00	47.56 2.98 0.00	51.86 2.86 0.00	55.37 2.65 0.00	56.68 2.40 0.00	74.05 3.25 0.00	72.67 2.93 0.00	55.54 2.16 0.00	48.50 1.85 0.00	46.11 1.81 0.00	48.86 1.92 0.00
WHITEHAL_115KV_TB1 80871	50.90 2.76 0.00	40.43 2.02 0.00	42.83 2.08 0.00	45.67 2.04 0.00	44.40 1.68 0.00	48.78 1.74 0.00	57.26 1.71 0.00	64.87 1.51 0.00	46.03 1.81 0.00	48.19 1.76 0.00	48.70 1.18 0.00	47.51 0.85 0.00	50.51 0.78 0.00	49.53 0.68 0.00	45.16 0.58 0.00	50.90 1.90 0.00	55.39 2.67 0.00	56.80 2.52 0.00	72.92 2.12 0.00	72.63 2.89 0.00	55.78 2.40 0.00	48.94 2.29 0.00	46.08 1.78 0.00	49.05 2.10 0.00
WHITEPLN_13_KV_LOAD 356215	51.03 2.89 0.00	40.50 2.09 0.00	42.77 2.02 0.00	45.59 1.95 0.00	44.72 1.99 0.00	49.26 2.22 0.00	57.87 2.32 0.00	66.43 3.07 0.00	46.69 2.47 0.00	49.48 3.05 0.00	51.25 3.74 0.00	50.57 3.91 0.00	53.73 4.00 0.00	52.77 3.91 0.00	48.14 3.56 0.00	52.47 3.46 0.00	56.06 3.34 0.00	57.38 3.10 0.00	75.00 4.20 0.00	73.56 3.82 0.00	56.20 2.83 0.00	49.08 2.43 0.00	46.63 2.33 0.00	49.37 2.43 0.00
WM_FLOYD_69_KV_BK2 356380	51.07 2.94 0.00	40.71 2.08 -0.22	42.66 1.91 0.00	45.41 1.78 0.00	44.24 1.51 0.00	46.75 1.23 1.51	27.18 0.93 29.31	42.77 1.32 21.90	36.53 1.23 8.92	48.52 2.09 0.00	50.38 2.86 0.00	50.32 3.37 -0.29	53.00 3.18 -0.08	52.47 3.40 -0.22	49.67 3.10 -1.99	50.00 2.38 1.37	46.96 1.91 7.67	54.87 1.68 1.09	73.58 2.78 0.00	71.93 2.19 0.00	55.29 1.91 0.00	48.16 1.51 0.00	46.60 2.07 -0.23	49.04 2.09 0.00
WOODARD___115KV_TB2 355635	47.34 -0.80 0.00	37.80 -0.61 0.00	40.03 -0.71 0.00	42.93 -0.70 0.00	42.05 -0.68 0.00	46.39 -0.64 0.00	54.80 -0.75 0.00	62.56 -0.80 0.00	43.64 -0.59 0.00	45.61 -0.81 0.00	46.51 -1.01 0.00	45.70 -0.97 -0.01	48.67 -1.07 0.00	47.83 -1.03 0.00	43.65 -0.93 0.00	48.02 -0.98 0.00	51.71 -1.01 0.00	53.38 -0.90 0.00	69.64 -1.16 0.00	68.60 -1.14 0.00	52.39 -0.98 0.00	45.76 -0.89 0.00	43.45 -0.85 0.00	46.09 -0.85 0.00
WOODMERE_69_KV_BK1 55827	51.44 3.25 -0.05	44.19 2.34 -3.44	42.94 2.19 0.00	45.74 2.11 0.00	44.66 1.93 0.00	48.81 1.91 0.14	57.64 1.64 -0.44	66.20 2.33 -0.52	46.40 1.96 -0.21	49.17 2.74 0.00	51.32 3.77 -0.04	55.67 3.99 -5.02	56.96 4.12 -3.10	56.46 4.10 -3.51	55.22 3.67 -6.97	52.22 3.22 0.00	55.60 2.88 0.00	56.94 2.66 0.00	74.67 3.86 0.00	73.17 3.43 0.00	56.30 2.93 0.00	49.06 2.41 0.00	47.32 2.64 -0.39	49.69 2.74 0.00
YORK___WARBASSE 23770	50.95 2.81 0.00	40.54 2.13 0.00	42.77 2.02 0.00	45.54 1.91 0.00	44.70 1.97 0.00	49.27 2.24 0.00	57.81 2.25 0.00	66.31 2.95 0.00	46.70 2.48 0.00	49.51 3.09 0.00	51.24 3.72 0.00	50.52 3.85 0.00	53.66 3.93 0.00	52.65 3.80 0.00	48.08 3.50 0.00	52.31 3.30 0.00	55.75 3.03 0.00	57.18 2.90 0.00	74.68 3.87 0.00	73.25 3.51 0.00	56.04 2.66 0.00	49.00 2.35 0.00	46.49 2.20 0.00	49.27 2.33 0.00