

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

07/27/2023

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	28.84	32.53	33.93	29.92	33.14	37.03	38.62	37.02	40.00	50.48	48.52	53.33	51.37	70.56	117.08	98.16	119.11	110.63	81.74	107.36	53.37	62.94	39.19	37.80
24138	1.97	1.93	1.75	1.53	1.59	1.69	1.79	2.21	2.56	3.50	3.49	3.99	4.20	6.34	5.61	5.97	5.68	5.52	5.12	4.72	4.30	3.42	2.88	2.85
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-57.75	-38.80	-63.49	-55.02	-28.16	-52.43	-0.64	-18.19	0.00	0.00
74TH STREET_GT_1	28.93	32.64	34.05	30.04	33.26	37.13	38.67	37.10	40.10	50.58	48.55	53.34	51.40	70.50	117.03	98.14	119.11	110.64	81.75	107.37	53.48	63.02	39.26	37.89
24260	2.06	2.04	1.87	1.64	1.71	1.79	1.84	2.29	2.67	3.60	3.52	4.00	4.23	6.29	5.57	5.96	5.70	5.54	5.13	4.75	4.40	3.50	2.95	2.94
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-57.74	-38.80	-63.48	-55.02	-28.15	-52.42	-0.64	-18.19	0.00	0.00
74TH STREET_GT_2	28.93	32.64	34.05	30.04	33.26	37.13	38.67	37.10	40.10	50.58	48.55	53.34	51.40	70.50	117.03	98.14	119.11	110.64	81.75	107.37	53.48	63.02	39.26	37.89
24261	2.06	2.04	1.87	1.64	1.71	1.79	1.84	2.29	2.67	3.60	3.52	4.00	4.23	6.29	5.57	5.96	5.70	5.54	5.13	4.75	4.40	3.50	2.95	2.94
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-57.74	-38.80	-63.48	-55.02	-28.15	-52.42	-0.64	-18.19	0.00	0.00
ADK HUDSON___FALLS	28.91	32.67	34.21	30.20	33.50	37.44	39.04	37.14	39.93	50.31	48.03	52.54	50.53	68.70	73.36	69.44	73.78	71.63	61.55	68.91	52.97	50.01	39.27	37.60
24011	2.04	2.07	2.03	1.80	1.96	2.10	2.21	2.33	2.50	3.33	3.00	3.21	3.36	4.48	3.62	4.46	4.38	4.21	4.40	4.53	4.37	3.66	2.96	2.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.02	-11.60	-19.47	-17.33	-8.69	-14.18	-0.18	-5.02	0.00	0.00
ADK RESOURCE___RCVRY	29.17	32.89	34.42	30.39	33.71	37.63	39.27	37.39	40.19	50.66	48.37	52.86	50.92	69.29	73.73	70.02	74.36	72.17	62.13	69.44	53.49	50.40	39.59	37.90
23798	2.30	2.30	2.24	2.00	2.16	2.29	2.44	2.59	2.76	3.67	3.33	3.52	3.75	5.08	4.03	5.06	5.01	4.80	5.00	5.09	4.89	4.06	3.28	2.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-15.98	-11.57	-19.42	-17.29	-8.66	-14.15	-0.18	-5.01	0.00	0.00
ADK S GLENS___FALLS	28.91	32.67	34.21	30.20	33.50	37.44	39.04	37.14	39.93	50.31	48.03	52.54	50.53	68.70	73.36	69.44	73.78	71.63	61.55	68.91	52.97	50.01	39.27	37.60
24028	2.04	2.07	2.03	1.80	1.96	2.10	2.21	2.33	2.50	3.33	3.00	3.21	3.36	4.48	3.62	4.46	4.38	4.21	4.40	4.53	4.37	3.66	2.96	2.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.02	-11.60	-19.47	-17.33	-8.69	-14.18	-0.18	-5.02	0.00	0.00
ADK_NYS___DAM	28.53	32.43	34.15	30.15	33.43	37.30	38.65	36.70	39.30	49.45	47.48	51.82	49.86	67.95	75.47	70.03	75.48	73.01	61.31	69.91	51.59	49.62	38.35	36.96
23527	1.66	1.83	1.97	1.76	1.88	1.96	1.81	1.89	1.87	2.46	2.45	2.49	2.69	3.73	2.74	3.05	2.82	2.78	2.72	2.95	2.95	2.32	2.04	2.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-19.01	-13.60	-22.72	-20.14	-10.13	-16.76	-0.21	-5.97	0.00	0.00
AIR_PRODUCTS___DRP	27.51	31.25	32.80	28.96	32.11	35.90	37.28	35.39	37.93	47.64	45.69	50.02	48.09	65.62	71.27	66.81	71.40	69.29	58.59	65.81	49.63	47.24	37.05	35.74
24190	0.64	0.66	0.63	0.56	0.57	0.56	0.44	0.58	0.50	0.66	0.66	0.68	0.92	1.41	1.08	1.41	1.25	1.17	1.10	1.02	1.02	0.74	0.74	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.47	-12.02	-20.21	-18.04	-9.02	-14.59	-0.18	-5.16	0.00	0.00
AKWESSNE_115KV_BK	26.56	30.38	31.98	28.26	31.41	35.20	36.67	34.47	36.94	46.18	44.16	48.37	46.09	62.38	51.97	51.24	47.85	48.10	46.62	48.46	46.70	39.92	35.30	34.06
355683	-0.32	-0.22	-0.20	-0.14	-0.14	-0.14	-0.16	-0.34	-0.49	-0.80	-0.87	-0.96	-1.09	-1.84	-1.75	-2.14	-2.09	-1.99	-1.85	-1.74	-1.73	-1.41	-1.00	-0.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	27.51	31.25	32.80	28.96	32.11	35.90	37.28	35.39	37.93	47.64	45.69	50.02	48.09	65.62	71.27	66.81	71.40	69.29	58.59	65.81	49.63	47.24	37.05	35.74
23571	0.64	0.66	0.63	0.56	0.57	0.56	0.44	0.58	0.50	0.66	0.66	0.68	0.92	1.41	1.08	1.41	1.25	1.17	1.10	1.02	1.02	0.74	0.74	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.47	-12.02	-20.21	-18.04	-9.02	-14.59	-0.18	-5.16	0.00	0.00
ALBANY___2	27.51	31.25	32.80	28.96	32.11	35.90	37.28	35.39	37.93	47.64	45.69	50.02	48.09	65.62	71.27	66.81	71.40	69.29	58.59	65.81	49.63	47.24	37.05	35.74
23572	0.64	0.66	0.63	0.56	0.57	0.56	0.44	0.58	0.50	0.66	0.66	0.68	0.92	1.41	1.08	1.41	1.25	1.17	1.10	1.02	1.02	0.74	0.74	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.47	-12.02	-20.21	-18.04	-9.02	-14.59	-0.18	-5.16	0.00	0.00
ALBANY___3	27.51	31.25	32.80	28.96	32.11	35.90	37.28	35.39	37.93	47.64	45.69	50.02	48.09	65.62	71.27	66.81	71.40	69.29	58.59	65.81	49.63	47.24	37.05	35.74
23573	0.64	0.66	0.63	0.56	0.57	0.56	0.44	0.58	0.50	0.66	0.66	0.68	0.92	1.41	1.08	1.41	1.25	1.17	1.10	1.02	1.02	0.74	0.74	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.47	-12.02	-20.21	-18.04	-9.02	-14.59	-0.18	-5.16	0.00	0.00

ALBANY___4 23574	27.51 0.64 0.00	31.25 0.66 0.00	32.80 0.63 0.00	28.96 0.56 0.00	32.11 0.57 0.00	35.90 0.56 0.00	37.28 0.44 0.00	35.39 0.58 0.00	37.93 0.50 0.00	47.64 0.66 0.00	45.69 0.66 0.00	50.02 0.68 0.00	48.09 0.92 0.00	65.62 1.41 0.00	71.27 1.08 -16.47	66.81 1.41 -12.02	71.40 1.25 -20.21	69.29 1.17 -18.04	58.59 1.10 -9.02	65.81 1.02 -14.59	49.63 1.02 -0.18	47.24 0.74 -5.16	37.05 0.74 0.00	35.74 0.79 0.00
ALBANY___LFGE 323615	27.83 0.96 0.00	31.61 1.01 0.00	33.17 0.99 0.00	29.29 0.89 0.00	32.48 0.94 0.00	36.32 0.98 0.00	37.74 0.90 0.00	35.85 1.04 0.00	38.46 1.03 0.00	48.33 1.34 0.00	46.39 1.36 0.00	50.83 1.49 0.00	48.87 1.70 0.00	66.71 2.48 0.00	72.16 1.95 -16.49	67.66 2.29 -11.99	72.14 2.07 -20.13	70.01 1.97 -17.95	59.32 1.87 -8.99	66.60 1.80 -14.59	50.39 1.78 -0.18	47.87 1.37 -5.17	37.56 1.25 0.00	36.20 1.25 0.00
ALCOA_PA_115KV_PL-6C 55860	26.62 -0.25 0.00	30.45 -0.14 0.00	32.07 -0.11 0.00	28.34 -0.05 0.00	31.52 -0.03 0.00	35.33 -0.01 0.00	36.83 -0.01 0.00	34.61 -0.20 0.00	37.10 -0.34 0.00	46.34 -0.65 0.00	44.31 -0.72 0.00	48.55 -0.79 0.00	46.26 -0.92 0.00	62.63 -1.60 0.00	52.15 -1.57 0.00	51.05 -2.33 0.00	47.55 -2.38 0.00	47.82 -2.27 0.00	46.42 -2.05 0.00	48.33 -1.87 0.00	46.63 -1.80 0.00	39.93 -1.41 0.00	35.44 -0.87 0.00	34.16 -0.79 0.00
ALCOA_RYNLDS___DRP 24188	26.62 -0.25 0.00	30.45 -0.14 0.00	32.07 -0.11 0.00	28.34 -0.05 0.00	31.52 -0.03 0.00	35.33 -0.01 0.00	36.83 -0.01 0.00	34.61 -0.20 0.00	37.10 -0.34 0.00	46.34 -0.65 0.00	44.31 -0.72 0.00	48.55 -0.79 0.00	46.26 -0.92 0.00	62.63 -1.60 0.00	52.15 -1.57 0.00	51.05 -2.33 0.00	47.55 -2.38 0.00	47.82 -2.27 0.00	46.42 -2.05 0.00	48.33 -1.87 0.00	46.63 -1.80 0.00	39.93 -1.41 0.00	35.44 -0.87 0.00	34.16 -0.79 0.00
ALCOA___DSASP 323711	26.62 -0.25 0.00	30.46 -0.14 0.00	32.07 -0.11 0.00	28.34 -0.05 0.00	31.52 -0.03 0.00	35.33 -0.01 0.00	36.83 -0.01 0.00	34.61 -0.20 0.00	37.10 -0.34 0.00	46.34 -0.65 0.00	44.31 -0.72 0.00	48.55 -0.79 0.00	46.26 -0.92 0.00	62.63 -1.59 0.00	52.15 -1.57 0.00	51.05 -2.33 0.00	47.55 -2.38 0.00	47.82 -2.27 0.00	46.42 -2.05 0.00	48.33 -1.87 0.00	46.63 -1.80 0.00	39.93 -1.41 0.00	35.44 -0.87 0.00	34.16 -0.79 0.00
ALLEGHENY___COGEN 23514	27.93 1.06 0.00	32.89 0.87 -1.42	33.30 1.12 0.00	39.24 0.84 -10.00	32.62 1.07 0.00	59.36 1.32 -22.70	63.84 1.92 -25.08	36.41 1.60 0.00	38.64 1.21 0.00	48.38 1.39 0.00	45.58 0.54 0.00	48.07 -1.27 0.00	43.77 -3.40 0.00	59.28 -4.94 0.00	50.71 -3.00 0.00	51.08 -2.31 0.00	48.67 -1.27 0.00	48.25 -1.84 0.00	47.71 -0.75 0.00	50.13 -0.07 0.00	48.96 0.53 0.00	42.56 1.23 0.00	38.61 2.30 0.00	36.71 1.76 0.00
ALTAMONT_115KV_TB 2 55880	27.83 0.96 0.00	31.63 1.04 0.00	33.21 1.03 0.00	29.29 0.90 0.00	32.52 0.97 0.00	36.35 1.01 0.00	37.78 0.94 0.00	35.87 1.06 0.00	38.49 1.06 0.00	48.35 1.37 0.00	46.38 1.35 0.00	50.80 1.46 0.00	48.78 1.61 0.00	66.55 2.33 0.00	71.36 1.87 -15.78	67.10 2.17 -11.55	71.38 2.00 -19.44	69.38 1.92 -17.37	58.98 1.84 -8.68	65.99 1.79 -14.00	50.38 1.77 -0.17	47.69 1.41 -4.94	37.59 1.29 0.00	36.24 1.29 0.00
ALTONA_WT_PWR 323606	26.88 0.01 0.00	30.93 0.33 0.00	32.51 0.33 0.00	28.74 0.35 0.00	31.97 0.42 0.00	35.86 0.52 0.00	37.19 0.35 0.00	34.92 0.11 0.00	37.28 -0.16 0.00	46.22 -0.77 0.00	43.97 -1.07 0.00	48.03 -1.31 0.00	45.83 -1.35 0.00	61.86 -2.36 0.00	51.25 -2.47 0.00	50.61 -2.77 0.00	47.29 -2.65 0.00	47.53 -2.56 0.00	46.15 -2.32 0.00	48.03 -2.17 0.00	46.08 -2.34 0.00	39.13 -2.20 0.00	34.57 -1.74 0.00	33.27 -1.68 0.00
AMERICAN_REF_FUEL 24010	26.31 -0.56 0.00	29.25 -1.02 0.33	31.61 -0.57 0.00	28.53 -0.63 -0.77	31.04 -0.50 0.00	36.29 -0.69 -1.64	38.29 -0.36 -1.81	34.17 -0.64 0.00	37.23 -0.20 0.00	46.63 -0.35 0.00	44.45 -0.58 0.00	48.69 -0.65 0.00	45.72 -1.45 0.00	62.52 -1.69 0.00	53.05 -0.67 0.00	52.43 -0.96 0.00	49.45 -0.48 0.00	49.70 -0.39 0.00	48.24 -0.23 0.00	50.30 0.10 0.00	48.63 0.20 0.00	42.02 0.68 0.00	36.49 0.18 0.00	34.65 -0.30 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	26.04 -0.83 0.00	28.95 -1.29 0.36	31.68 -0.50 0.00	28.61 -0.65 -0.86	30.75 -0.80 0.00	36.61 -0.60 -1.87	38.92 0.02 -2.06	35.02 0.21 0.00	38.36 0.93 0.00	48.05 1.06 0.00	45.54 0.51 0.00	49.98 0.65 0.00	47.39 0.22 0.00	64.99 0.77 0.00	54.98 1.26 0.00	54.45 1.07 0.00	51.61 1.67 0.00	51.81 1.73 0.00	50.08 1.61 0.00	52.25 2.05 0.00	50.60 2.17 0.00	43.46 2.13 0.00	37.35 1.04 0.00	35.61 0.66 0.00
ARTHUR_KILL_GT_1 23520	28.71 1.84 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.95 1.41 0.00	36.78 1.44 0.00	38.24 1.45 0.05	36.72 1.91 0.00	37.74 2.15 1.84	38.79 2.78 10.97	39.73 2.65 7.95	39.74 3.08 12.68	39.05 3.43 11.55	53.51 5.07 15.78	53.67 4.48 4.53	97.03 4.85 -38.80	118.14 4.72 -63.48	107.68 4.58 -53.01	80.84 4.22 -28.15	106.52 3.90 -52.42	54.99 3.62 -2.95	49.68 2.95 -5.40	38.43 2.54 0.42	37.55 2.60 0.00
ARTHUR_KILL_2 23512	28.62 1.75 0.00	32.26 1.66 0.00	33.66 1.48 0.00	29.69 1.30 0.00	32.85 1.30 0.00	36.66 1.32 0.00	38.11 1.33 0.05	36.60 1.79 0.00	37.60 2.01 1.84	38.60 2.58 10.97	39.55 2.47 7.95	39.52 2.86 12.68	38.84 3.22 11.55	53.16 4.72 15.78	53.40 4.21 4.53	96.74 4.57 -38.80	117.86 4.44 -63.48	107.42 4.32 -53.01	80.58 3.97 -28.15	106.25 3.63 -52.42	54.71 3.34 -2.95	49.46 2.72 -5.40	38.25 2.36 0.42	37.40 2.45 0.00
ARTHUR_KILL_3 23513	28.54 1.67 0.00	32.18 1.59 0.00	33.58 1.40 0.00	29.60 1.21 0.00	32.77 1.22 0.00	36.59 1.25 0.00	38.06 1.27 0.06	36.54 1.73 0.00	38.39 2.00 1.04	38.78 2.68 10.88	39.79 2.65 7.89	39.73 3.06 12.67	38.95 3.32 11.54	53.52 5.09 15.79	48.95 4.56 9.32	50.27 4.96 8.07	39.30 4.73 15.37	41.66 4.60 13.02	39.29 4.23 13.41	50.87 3.83 3.16	40.76 3.47 11.14	47.00 2.72 -2.94	38.27 2.38 0.42	37.33 2.38 0.00
ARTHUR_KILL_COGEN 323718	28.71 1.84 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.95 1.41 0.00	36.78 1.44 0.00	38.24 1.45 0.05	36.72 1.91 0.00	37.74 2.15 1.84	38.79 2.78 10.97	39.73 2.65 7.95	39.74 3.08 12.68	39.05 3.43 11.55	53.51 5.07 15.78	53.67 4.48 4.53	97.03 4.85 -38.80	118.14 4.72 -63.48	107.68 4.58 -53.01	80.84 4.22 -28.15	106.52 3.90 -52.42	54.99 3.62 -2.95	49.68 2.95 -5.40	38.43 2.54 0.42	37.55 2.60 0.00
ASHOKAN____ 23654	28.16 1.29 0.00	31.93 1.34 0.00	33.51 1.33 0.00	29.57 1.17 0.00	32.79 1.25 0.00	36.69 1.35 0.00	38.23 1.39 0.00	36.37 1.56 0.00	39.03 1.60 0.00	48.79 1.80 0.00	46.97 1.94 0.00	51.61 2.27 0.00	49.36 2.19 0.00	67.99 3.77 0.00	64.59 3.41 -7.46	65.80 3.41 -9.01	70.26 3.28 -17.05	70.04 2.97 -16.98	59.00 2.72 -7.82	58.20 2.60 -5.40	51.16 2.66 -0.08	45.49 1.92 -2.24	38.11 1.80 0.00	36.73 1.78 0.00

ASTORIA_EAST_ENERGY_CC1 323581	28.67 1.80 0.00	32.29 1.70 0.00	33.68 1.50 0.00	29.75 1.36 0.00	32.83 1.28 0.00	36.66 1.32 0.00	38.32 1.48 0.00	36.67 1.86 0.00	39.60 2.17 0.00	49.88 2.90 0.00	47.78 2.75 0.00	52.52 3.19 0.01	50.70 3.54 0.01	69.35 5.13 0.00	116.05 4.59 -57.74	97.16 4.98 -38.80	118.13 4.72 -63.48	109.69 4.59 -55.02	80.77 4.15 -28.15	106.45 3.82 -52.42	52.68 3.60 -0.64	62.42 2.90 -18.19	38.80 2.49 0.00	37.43 2.47 0.00
ASTORIA_EAST_ENERGY_CC2 323582	28.67 1.80 0.00	32.29 1.70 0.00	33.68 1.50 0.00	29.75 1.36 0.00	32.83 1.28 0.00	36.66 1.32 0.00	38.32 1.48 0.00	36.67 1.86 0.00	39.60 2.17 0.00	49.88 2.90 0.00	47.78 2.75 0.00	52.52 3.19 0.01	50.70 3.54 0.01	69.35 5.13 0.00	116.05 4.59 -57.74	97.16 4.98 -38.80	118.13 4.72 -63.48	109.69 4.59 -55.02	80.77 4.15 -28.15	106.45 3.82 -52.42	52.68 3.60 -0.64	62.42 2.90 -18.19	38.80 2.49 0.00	37.43 2.47 0.00
ASTORIA_GT2_1 24094	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT2_2 24095	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT2_3 24096	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT2_4 24097	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT3_1 24098	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT3_2 24099	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT3_3 24100	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT3_4 24101	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT4_1 24102	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT4_2 24103	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT4_3 24104	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT4_4 24105	28.68 1.81 0.00	32.31 1.71 0.00	33.69 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.68 1.34 0.00	38.33 1.50 0.00	36.69 1.88 0.00	39.62 2.18 0.00	49.91 2.92 0.00	47.80 2.77 0.00	52.57 3.24 0.01	50.72 3.56 0.01	69.39 5.17 0.00	116.09 4.63 -57.74	97.20 5.01 -38.80	118.17 4.76 -63.48	109.73 4.63 -55.02	80.80 4.19 -28.15	106.46 3.84 -52.42	52.70 3.63 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA_GT_1 23523	28.74 1.87 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.83 1.43 0.00	32.91 1.37 0.00	36.76 1.42 0.00	38.43 1.59 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.05 3.06 0.00	47.94 2.91 0.00	52.70 3.37 0.01	50.88 3.71 0.01	69.59 5.38 0.00	116.25 4.79 -57.74	97.36 5.19 -38.80	118.33 4.92 -63.48	109.89 4.79 -55.02	80.95 4.33 -28.15	106.63 4.00 -52.42	52.85 3.78 -0.64	62.57 3.05 -18.19	38.92 2.61 0.00	37.55 2.59 0.00

ASTORIA_GT_10 24110	28.69 1.82 0.00	32.35 1.76 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.29 1.46 0.00	36.67 1.86 0.00	39.58 2.14 0.00	49.78 2.80 0.00	47.72 2.69 0.00	52.43 3.10 0.01	47.96 3.41 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.73 4.63 -55.02	80.84 4.22 -28.15	106.46 3.84 -52.42	52.63 3.55 -0.64	62.36 2.84 -18.19	38.74 2.44 0.00	37.43 2.48 0.00
ASTORIA_GT_11 24225	28.69 1.82 0.00	32.35 1.76 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.29 1.46 0.00	36.67 1.86 0.00	39.58 2.14 0.00	49.78 2.80 0.00	47.72 2.69 0.00	52.43 3.10 0.01	47.96 3.41 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.73 4.63 -55.02	80.84 4.22 -28.15	106.46 3.84 -52.42	52.63 3.55 -0.64	62.36 2.84 -18.19	38.74 2.44 0.00	37.43 2.48 0.00
ASTORIA_GT_12 24226	28.69 1.82 0.00	32.35 1.76 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.29 1.46 0.00	36.67 1.86 0.00	39.58 2.14 0.00	49.78 2.80 0.00	47.72 2.69 0.00	52.43 3.10 0.01	47.96 3.41 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.73 4.63 -55.02	80.84 4.22 -28.15	106.46 3.84 -52.42	52.63 3.55 -0.64	62.36 2.84 -18.19	38.74 2.44 0.00	37.43 2.48 0.00
ASTORIA_GT_13 24227	28.69 1.82 0.00	32.35 1.76 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.29 1.46 0.00	36.67 1.86 0.00	39.58 2.14 0.00	49.78 2.80 0.00	47.72 2.69 0.00	52.43 3.10 0.01	47.96 3.41 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.73 4.63 -55.02	80.84 4.22 -28.15	106.46 3.84 -52.42	52.63 3.55 -0.64	62.36 2.84 -18.19	38.74 2.44 0.00	37.43 2.48 0.00
ASTORIA_GT_5 24106	28.74 1.87 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.83 1.43 0.00	32.91 1.37 0.00	36.76 1.42 0.00	38.43 1.59 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.05 3.06 0.00	47.94 2.91 0.00	52.70 3.37 0.01	50.88 3.71 0.01	69.59 5.38 0.00	116.25 4.79 -57.74	97.36 5.19 -38.80	118.33 4.92 -63.48	109.89 4.79 -55.02	80.95 4.33 -28.15	106.63 4.00 -52.42	52.85 3.78 -0.64	62.57 3.05 -18.19	38.92 2.61 0.00	37.55 2.59 0.00
ASTORIA_GT_7 24107	28.74 1.87 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.83 1.43 0.00	32.91 1.37 0.00	36.76 1.42 0.00	38.43 1.59 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.05 3.06 0.00	47.94 2.91 0.00	52.70 3.37 0.01	50.88 3.71 0.01	69.59 5.38 0.00	116.25 4.79 -57.74	97.36 5.19 -38.80	118.33 4.92 -63.48	109.89 4.79 -55.02	80.95 4.33 -28.15	106.63 4.00 -52.42	52.85 3.78 -0.64	62.57 3.05 -18.19	38.92 2.61 0.00	37.55 2.59 0.00
ASTORIA_GT_8 24108	28.75 1.88 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.83 1.43 0.00	32.91 1.37 0.00	36.76 1.42 0.00	38.42 1.59 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.04 3.06 0.00	47.93 2.90 0.00	52.72 3.39 0.01	50.87 3.71 0.01	69.60 5.38 0.00	116.25 4.79 -57.74	97.37 5.19 -38.80	118.33 4.92 -63.48	109.89 4.79 -55.02	80.95 4.34 -28.15	106.63 4.00 -52.42	52.85 3.78 -0.64	62.58 3.06 -18.19	38.92 2.61 0.00	37.55 2.59 0.00
ASTORIA___2 24149	28.68 1.81 0.00	32.30 1.71 0.00	33.70 1.51 0.00	29.76 1.37 0.00	32.84 1.30 0.00	36.69 1.34 0.00	38.34 1.50 0.00	36.68 1.87 0.00	39.62 2.18 0.00	49.91 2.93 0.00	47.80 2.77 0.00	52.55 3.22 0.01	50.73 3.56 0.01	69.38 5.16 0.00	116.09 4.63 -57.74	97.19 5.01 -38.80	118.17 4.76 -63.48	109.73 4.62 -55.02	80.80 4.19 -28.15	106.47 3.85 -52.42	52.69 3.62 -0.64	62.44 2.92 -18.19	38.82 2.51 0.00	37.45 2.50 0.00
ASTORIA___3 23516	28.69 1.82 0.00	32.35 1.75 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.30 1.46 0.00	36.67 1.86 0.00	39.57 2.14 0.00	49.79 2.80 0.00	47.72 2.69 0.00	52.41 3.08 0.01	47.95 3.40 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.17 4.75 -63.48	109.72 4.62 -55.02	80.83 4.21 -28.15	106.46 3.84 -52.42	52.62 3.55 -0.64	62.36 2.84 -18.19	38.75 2.44 0.00	37.43 2.48 0.00
ASTORIA___4 23517	28.69 1.82 0.00	32.35 1.76 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.29 1.46 0.00	36.67 1.86 0.00	39.58 2.14 0.00	49.78 2.80 0.00	47.72 2.69 0.00	52.43 3.10 0.01	47.96 3.41 2.62	69.30 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.72 4.63 -55.02	80.83 4.22 -28.15	106.46 3.84 -52.42	52.62 3.55 -0.64	62.36 2.84 -18.19	38.74 2.44 0.00	37.43 2.48 0.00
ASTORIA___5 23518	28.69 1.82 0.00	32.35 1.75 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.30 1.46 0.00	36.67 1.86 0.00	39.57 2.14 0.00	49.79 2.80 0.00	47.72 2.69 0.00	52.41 3.08 0.01	47.95 3.40 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.17 4.75 -63.48	109.72 4.62 -55.02	80.83 4.21 -28.15	106.46 3.84 -52.42	52.62 3.55 -0.64	62.36 2.84 -18.19	38.75 2.44 0.00	37.43 2.48 0.00
AST_ENERGY_2_CC3 323677	28.65 1.78 0.00	32.31 1.71 0.00	33.70 1.52 0.00	29.73 1.34 0.00	32.90 1.36 0.00	36.73 1.39 0.00	38.26 1.42 0.00	36.66 1.85 0.00	39.58 2.15 0.00	49.91 2.92 0.00	47.89 2.86 0.00	52.63 3.29 0.00	50.70 3.53 0.00	69.56 5.35 0.00	116.25 4.78 -57.75	97.36 5.18 -38.80	118.37 4.95 -63.49	109.92 4.82 -55.02	81.06 4.45 -28.15	106.68 4.05 -52.43	52.78 3.71 -0.64	62.44 2.92 -18.19	38.81 2.50 0.00	37.45 2.50 0.00
AST_ENERGY_2_CC4 323678	28.65 1.78 0.00	32.31 1.71 0.00	33.70 1.52 0.00	29.73 1.34 0.00	32.90 1.36 0.00	36.73 1.39 0.00	38.26 1.42 0.00	36.66 1.85 0.00	39.58 2.15 0.00	49.91 2.92 0.00	47.89 2.86 0.00	52.63 3.29 0.00	50.70 3.53 0.00	69.56 5.35 0.00	116.25 4.78 -57.75	97.36 5.18 -38.80	118.37 4.95 -63.49	109.92 4.82 -55.02	81.06 4.45 -28.15	106.68 4.05 -52.43	52.78 3.71 -0.64	62.44 2.92 -18.19	38.81 2.50 0.00	37.45 2.50 0.00
ATHENS_STG_1 23668	27.94 1.07 0.00	31.74 1.14 0.00	33.29 1.11 0.00	29.35 0.96 0.00	32.55 1.01 0.00	36.39 1.05 0.00	37.83 0.99 0.00	35.96 1.15 0.00	38.72 1.28 0.00	48.70 1.72 0.00	46.79 1.76 0.00	51.23 1.89 0.00	49.22 2.05 0.00	67.20 2.98 0.00	73.29 2.56 -17.01	68.98 2.83 -12.77	74.23 2.64 -21.65	72.15 2.55 -19.51	60.54 2.39 -9.69	67.79 2.26 -15.33	50.80 2.19 -0.19	48.42 1.77 -5.32	37.83 1.52 0.00	36.45 1.50 0.00
ATHENS_STG_2 23670	27.94 1.07 0.00	31.74 1.14 0.00	33.29 1.11 0.00	29.35 0.96 0.00	32.55 1.01 0.00	36.39 1.05 0.00	37.83 0.99 0.00	35.96 1.15 0.00	38.72 1.28 0.00	48.70 1.72 0.00	46.79 1.76 0.00	51.23 1.89 0.00	49.22 2.05 0.00	67.20 2.98 0.00	73.29 2.56 -17.01	68.98 2.83 -12.77	74.23 2.64 -21.65	72.15 2.55 -19.51	60.54 2.39 -9.69	67.79 2.26 -15.33	50.80 2.19 -0.19	48.42 1.77 -5.32	37.83 1.52 0.00	36.45 1.50 0.00

ATHENS_STG_3 23677	27.94 1.07 0.00	31.74 1.14 0.00	33.29 1.11 0.00	29.35 0.96 0.00	32.55 1.01 0.00	36.39 1.05 0.00	37.83 0.99 0.00	35.96 1.15 0.00	38.72 1.28 0.00	48.70 1.72 0.00	46.79 1.76 0.00	51.23 1.89 0.00	49.22 2.05 0.00	67.20 2.98 0.00	73.29 2.56 -17.01	68.98 2.83 -12.77	74.23 2.64 -21.65	72.15 2.55 -19.51	60.54 2.39 -9.69	67.79 2.26 -15.33	50.80 2.19 -0.19	48.42 1.77 -5.32	37.83 1.52 0.00	36.45 1.50 0.00
AUBURN____LFGE 323710	27.31 0.44 0.00	31.00 0.35 -0.05	32.59 0.41 0.00	29.23 0.38 -0.46	31.95 0.40 0.00	36.92 0.63 -0.95	38.58 0.69 -1.05	35.48 0.67 0.00	38.34 0.90 0.00	48.64 1.25 -0.41	49.39 1.21 -3.15	54.23 1.28 -3.61	51.04 1.08 -2.79	72.58 1.83 -6.54	60.62 1.93 -4.98	57.99 1.95 -2.65	55.84 1.96 -3.95	55.60 1.95 -3.57	54.28 1.90 -3.92	55.88 1.95 -3.74	54.16 1.88 -3.86	45.61 1.64 -2.64	38.95 1.29 -1.36	36.25 0.85 -0.44
BABYLON_RES_REC 323704	29.24 2.37 0.00	32.99 2.39 0.00	34.28 2.10 0.00	30.15 1.75 0.00	33.41 1.86 0.00	37.34 2.00 0.00	39.03 2.19 0.00	37.50 2.69 0.00	40.53 3.10 0.00	54.17 4.31 -2.87	70.76 4.06 -21.67	76.83 4.40 -23.09	79.16 4.40 -27.58	80.97 6.16 -10.59	122.99 5.54 -63.73	103.80 5.52 -44.90	127.88 5.34 -72.61	144.82 5.44 -89.29	101.22 5.06 -47.69	118.54 4.67 -63.67	85.08 4.66 -31.99	78.90 3.60 -33.96	39.25 2.94 0.00	47.15 3.35 -8.84
BABYLON__69_KV_BK2 356345	29.55 2.68 0.00	33.34 2.74 0.00	34.65 2.47 0.00	30.46 2.07 0.00	33.75 2.20 0.00	37.74 2.39 0.00	39.47 2.63 0.00	37.94 3.13 0.00	41.03 3.59 0.00	55.20 5.01 -3.21	71.87 5.09 -21.74	78.17 5.75 -23.09	80.52 5.75 -27.60	83.68 8.08 -11.38	130.31 7.02 -69.57	110.69 6.83 -50.47	142.68 6.56 -86.18	185.25 6.72 -128.44	113.28 6.25 -58.57	122.68 5.89 -66.59	88.98 5.72 -34.83	79.80 4.50 -33.96	39.94 3.63 0.00	47.62 3.83 -8.84
BARON_WINDS____WT_PWR 323822	26.19 -0.67 0.00	27.24 -0.99 2.37	31.34 -0.84 0.00	15.90 -0.92 11.58	30.60 -0.95 0.00	7.84 -1.04 26.47	6.94 -0.66 29.24	34.22 -0.59 0.00	37.20 -0.23 0.00	47.18 0.11 -0.09	46.09 0.35 -0.71	50.48 0.33 -0.81	47.29 -0.51 -0.62	65.79 0.10 -1.46	55.46 0.63 -1.11	54.30 0.32 -0.60	51.71 0.89 -0.88	51.60 0.71 -0.80	50.23 0.89 -0.88	52.33 1.29 -0.84	50.84 1.55 -0.86	43.55 1.63 -0.59	37.47 0.85 -0.30	35.33 0.28 -0.10
BARRETT_IC_1 23704	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_10 23701	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_11 23702	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_12 23703	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_2 23705	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_3 23706	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_4 23707	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_5 23708	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_6 23709	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_7 23710	28.94 2.07 0.00	32.63 2.04 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.96 1.62 0.00	38.43 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.98 3.55 -23.09	78.46 3.71 -27.58	79.95 5.51 -10.22	119.92 4.94 -61.26	102.80 5.19 -44.23	125.74 5.02 -70.79	128.96 5.03 -73.85	97.71 4.65 -44.59	116.91 4.25 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 0.00	46.68 2.89 -8.84

BARRETT_IC_8 23711	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT_IC_9 23700	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT___1 23545	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BARRETT___2 23546	28.94 2.07 0.00	32.63 2.03 0.00	33.90 1.72 0.00	29.84 1.45 0.00	33.07 1.52 0.00	36.97 1.62 0.00	38.44 1.60 0.00	36.78 1.97 0.00	39.70 2.27 0.00	-56.55 3.25 106.78	44.71 3.17 3.49	75.96 3.54 -23.08	78.44 3.70 -27.57	79.93 5.50 -10.21	119.90 4.93 -61.25	102.79 5.19 -44.22	125.76 5.03 -70.79	128.96 5.02 -73.85	97.71 4.65 -44.59	116.90 4.24 -62.46	83.20 4.03 -30.74	78.48 3.19 -33.96	39.02 2.71 -0.01	46.68 2.89 -8.84
BATAVIA___115KV_TB1 55881	27.55 0.68 0.00	30.72 0.36 0.23	32.94 0.76 0.00	29.88 0.56 -0.93	32.32 0.78 0.00	38.25 0.90 -2.01	40.42 1.38 -2.20	35.96 1.15 0.00	39.19 1.76 0.00	49.20 2.21 0.00	46.94 1.91 0.00	51.28 1.95 0.00	48.57 1.40 0.00	66.42 2.20 0.00	56.13 2.41 0.00	55.35 1.96 0.00	52.10 2.17 0.00	52.33 2.24 0.00	50.95 2.49 0.00	53.15 2.95 0.00	51.31 2.89 0.00	44.19 2.85 0.00	38.27 1.96 0.00	36.33 1.38 0.00
BAYONEEC___CTG1 323682	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG10 323750	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG2 323683	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG3 323684	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG4 323685	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG5 323686	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG6 323687	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG7 323688	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG8 323689	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00
BAYONEEC___CTG9 323749	28.66 1.79 0.00	32.33 1.74 0.00	33.73 1.55 0.00	29.75 1.36 0.00	32.92 1.38 0.00	36.77 1.42 0.00	38.30 1.46 0.00	36.70 1.89 0.00	38.62 2.18 0.98	39.09 2.93 10.83	40.03 2.89 7.89	39.98 3.32 12.67	39.20 3.56 11.54	53.96 5.40 15.66	49.21 4.82 9.32	50.52 5.20 8.07	39.53 4.97 15.37	41.89 4.83 13.02	39.51 4.45 13.41	51.10 4.06 3.16	40.99 3.71 11.14	47.22 2.94 -2.94	38.41 2.52 0.42	37.47 2.51 0.00

BEACON___LESR 323632	27.86 0.99 0.00	31.69 1.09 0.00	33.24 1.06 0.00	29.30 0.90 0.00	32.59 1.04 0.00	36.42 1.08 0.00	37.92 1.08 0.00	36.01 1.19 0.00	38.56 1.13 0.00	48.52 1.53 0.00	46.62 1.58 0.00	51.01 1.67 0.00	49.02 1.84 0.00	66.88 2.65 0.00	72.51 2.20 -16.59	67.92 2.43 -12.11	72.54 2.24 -20.37	70.43 2.15 -18.19	59.66 2.10 -9.10	66.98 2.09 -14.69	50.42 1.81 -0.18	47.96 1.43 -5.20	37.55 1.24 0.00	36.23 1.28 0.00
BEAVER RIVER___HYD 24048	26.20 -0.67 0.00	29.93 -0.67 0.00	31.51 -0.67 0.00	27.88 -0.52 0.00	31.47 -0.08 0.00	36.01 0.66 0.00	37.72 0.89 0.00	35.53 0.72 0.00	37.80 0.36 0.00	46.93 -0.28 -0.22	46.19 -0.54 -1.70	50.72 -0.57 -1.95	48.89 0.21 -1.51	68.51 0.75 -3.54	57.08 0.67 -2.69	55.07 0.25 -1.44	52.28 0.21 -2.14	52.54 0.52 -1.93	51.59 1.01 -2.12	53.64 1.42 -2.02	52.02 1.51 -2.09	44.05 1.29 -1.43	37.94 0.89 -0.73	35.81 0.61 -0.24
BEEBEE_GT_13 23619	27.27 0.40 0.00	30.73 0.13 0.00	32.56 0.38 0.00	29.82 0.28 -1.15	31.95 0.41 0.00	38.39 0.54 -2.50	40.48 0.88 -2.75	35.49 0.68 0.00	38.51 1.07 0.00	48.43 1.44 0.00	46.22 1.19 0.00	50.65 1.31 0.00	48.02 0.84 0.00	65.74 1.52 0.00	55.51 1.79 0.00	54.96 1.58 0.00	51.57 1.63 0.00	51.74 1.65 0.00	50.21 1.75 0.00	52.21 2.01 0.00	50.38 1.95 0.00	43.26 1.93 0.00	37.59 1.28 0.00	35.79 0.84 0.00
BENSHRST_27_KV_BENSHRST_1 355998	29.02 2.15 0.00	32.70 2.11 0.00	34.11 1.93 0.00	30.08 1.69 0.00	33.28 1.74 0.00	37.16 1.82 0.00	38.73 1.89 0.00	37.12 2.31 0.00	40.07 2.64 0.00	50.47 3.48 0.00	48.40 3.37 0.00	53.26 3.91 -0.01	56.25 4.23 -4.85	70.35 6.13 0.00	116.85 5.39 -57.74	97.83 5.65 -38.80	118.91 5.50 -63.48	110.49 5.38 -55.02	81.60 4.98 -28.15	107.30 4.68 -52.42	55.72 4.35 -2.95	64.90 3.63 -19.94	100.78 3.11 -61.36	38.05 3.10 0.00
BETHLEHEM___GRP 23843	27.51 0.64 0.00	31.25 0.66 0.00	32.80 0.63 0.00	28.96 0.56 0.00	32.11 0.57 0.00	35.90 0.56 0.00	37.28 0.44 0.00	35.39 0.58 0.00	37.93 0.50 0.00	47.64 0.66 0.00	45.69 0.66 0.00	50.02 0.68 0.00	48.09 0.92 0.00	65.62 1.41 0.00	71.27 1.08 -16.47	66.81 1.41 -12.02	71.40 1.25 -20.21	69.29 1.17 -18.04	58.59 1.10 -9.02	65.81 1.02 -14.59	49.63 1.02 -0.18	47.24 0.74 -5.16	37.05 0.74 0.00	35.74 0.79 0.00
BETHLEHEM___GS1 323560	27.51 0.64 0.00	31.25 0.66 0.00	32.80 0.63 0.00	28.96 0.57 0.00	32.11 0.57 0.00	35.89 0.55 0.00	37.28 0.44 0.00	35.39 0.58 0.00	37.93 0.50 0.00	47.64 0.66 0.00	45.69 0.66 0.00	50.02 0.68 0.00	48.09 0.92 0.00	65.62 1.41 0.00	71.27 1.08 -16.47	66.81 1.41 -12.02	71.40 1.25 -20.21	69.29 1.17 -18.04	58.59 1.10 -9.02	65.80 1.01 -14.59	49.63 1.02 -0.18	47.24 0.74 -5.16	37.05 0.74 0.00	35.74 0.79 0.00
BETHLEHEM___GS2 323561	27.51 0.64 0.00	31.25 0.66 0.00	32.80 0.63 0.00	28.96 0.57 0.00	32.11 0.57 0.00	35.89 0.55 0.00	37.28 0.44 0.00	35.39 0.58 0.00	37.93 0.50 0.00	47.64 0.66 0.00	45.69 0.66 0.00	50.02 0.68 0.00	48.09 0.92 0.00	65.62 1.41 0.00	71.27 1.08 -16.47	66.81 1.41 -12.02	71.40 1.25 -20.21	69.29 1.17 -18.04	58.59 1.10 -9.02	65.80 1.01 -14.59	49.63 1.02 -0.18	47.24 0.74 -5.16	37.05 0.74 0.00	35.74 0.79 0.00
BETHLEHEM___GS3 323562	27.51 0.64 0.00	31.25 0.66 0.00	32.80 0.63 0.00	28.96 0.57 0.00	32.11 0.57 0.00	35.89 0.55 0.00	37.28 0.44 0.00	35.39 0.58 0.00	37.93 0.50 0.00	47.64 0.66 0.00	45.69 0.66 0.00	50.02 0.68 0.00	48.09 0.92 0.00	65.62 1.41 0.00	71.27 1.08 -16.47	66.81 1.41 -12.02	71.40 1.25 -20.21	69.29 1.17 -18.04	58.59 1.10 -9.02	65.80 1.01 -14.59	49.63 1.02 -0.18	47.24 0.74 -5.16	37.05 0.74 0.00	35.74 0.79 0.00
BETHLEHEM___STEEL 23779	26.88 0.01 0.00	29.84 -0.33 0.42	32.25 0.07 0.00	29.09 -0.06 -0.75	31.62 0.08 0.00	37.08 0.11 -1.63	39.15 0.55 -1.76	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.95 0.92 0.00	50.32 0.98 0.00	47.34 0.17 0.00	64.98 0.76 0.00	55.05 1.33 0.00	54.30 0.91 0.00	51.28 1.35 0.00	51.47 1.38 0.00	49.88 1.41 0.00	51.98 1.78 0.00	50.25 1.82 0.00	43.32 1.99 0.00	37.50 1.19 0.00	35.63 0.68 0.00
BETHLHEM_115KV_TB1 79974	27.58 0.71 0.00	31.33 0.73 0.00	32.88 0.70 0.00	29.03 0.64 0.00	32.20 0.65 0.00	35.99 0.65 0.00	37.38 0.55 0.00	35.49 0.68 0.00	38.05 0.61 0.00	47.78 0.80 0.00	45.84 0.80 0.00	50.17 0.83 0.00	48.23 1.05 0.00	65.81 1.60 0.00	71.34 1.24 -16.37	66.88 1.55 -11.95	71.45 1.41 -20.10	69.35 1.31 -17.95	58.68 1.24 -8.98	65.86 1.16 -14.51	49.77 1.16 -0.18	47.34 0.87 -5.13	37.16 0.85 0.00	35.85 0.89 0.00
BETHPAGE_CC_5 323564	29.05 2.18 0.00	32.79 2.19 0.00	34.08 1.90 0.00	29.98 1.59 0.00	33.22 1.68 0.00	37.14 1.80 0.00	38.78 1.95 0.00	37.21 2.40 0.00	40.16 2.73 0.00	52.37 3.87 -1.51	70.32 3.94 -21.36	76.80 4.37 -23.09	79.20 4.45 -27.58	81.07 6.53 -10.32	121.13 5.73 -61.69	103.40 5.79 -44.23	126.32 5.59 -70.79	134.39 5.66 -78.64	99.40 5.22 -45.71	117.83 4.82 -62.81	84.13 4.61 -31.10	78.87 3.58 -33.96	39.18 2.87 0.00	46.80 3.01 -8.84
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	26.94 0.07 0.00	29.94 -0.26 0.40	32.30 0.12 0.00	29.13 -0.03 -0.77	31.67 0.13 0.00	37.19 0.18 -1.67	39.27 0.62 -1.81	35.17 0.36 0.00	38.38 0.94 0.00	48.24 1.25 0.00	46.14 1.11 0.00	50.52 1.18 0.00	47.55 0.38 0.00	65.25 1.03 0.00	55.27 1.55 0.00	54.51 1.12 0.00	51.49 1.56 0.00	51.67 1.58 0.00	50.06 1.60 0.00	52.16 1.96 0.00	50.43 2.00 0.00	43.47 2.13 0.00	37.61 1.30 0.00	35.73 0.78 0.00
BINGHAMTON___COGEN 23790	27.06 0.19 0.00	30.77 0.17 0.00	32.41 0.23 0.00	27.62 0.13 0.90	31.73 0.18 0.00	33.49 0.27 2.13	34.91 0.42 2.35	35.29 0.48 0.00	38.14 0.71 0.00	48.12 0.96 -0.17	47.38 1.02 -1.34	51.97 1.10 -1.53	49.35 0.99 -1.19	68.87 1.88 -2.78	57.65 1.82 -2.11	56.27 1.76 -1.13	53.37 1.75 -1.68	53.20 1.60 -1.51	51.63 1.51 -1.66	53.31 1.52 -1.59	51.53 1.47 -1.64	43.79 1.34 -1.12	37.71 0.82 -0.58	35.74 0.60 -0.19
BIXINCNT_115KV_LOAD 355685	26.42 -0.45 0.00	29.62 -0.71 0.26	31.59 -0.59 0.00	28.41 -0.97 -0.98	30.79 -0.75 0.00	36.74 -0.74 -2.14	39.00 -0.22 -2.38	34.57 -0.24 0.00	38.12 0.68 0.00	48.02 1.03 0.00	46.09 1.06 0.00	50.35 1.01 0.00	47.19 0.01 0.00	64.65 0.43 0.00	54.68 0.96 0.00	53.73 0.34 0.00	51.02 1.09 0.00	51.39 1.30 0.00	49.74 1.27 0.00	51.88 1.68 0.00	50.32 1.89 0.00	43.41 2.08 0.00	37.62 1.31 0.00	35.71 0.76 0.00
BLACK RIVER___HYD 24047	26.42 -0.45 0.00	30.12 -0.47 0.00	31.75 -0.43 0.00	28.08 -0.31 0.00	31.70 0.15 0.00	36.46 1.12 0.00	38.31 1.48 0.00	36.15 1.34 0.00	38.42 0.99 0.00	47.74 0.38 -0.38	48.04 0.12 -2.89	52.74 0.09 -3.31	50.64 0.90 -2.56	72.11 1.90 -5.99	60.11 1.84 -4.56	57.16 1.35 -2.43	54.76 1.20 -3.62	54.99 1.64 -3.27	54.25 2.20 -3.59	56.33 2.71 -3.42	54.79 2.83 -3.53	46.00 2.25 -2.42	39.08 1.52 -1.24	36.49 1.13 -0.41

BLACKRVR_115KV_TB2 79977	26.41 -0.45 0.00	30.12 -0.47 0.00	31.75 -0.43 0.00	28.08 -0.32 0.00	31.70 0.15 0.00	36.46 1.12 0.00	38.31 1.48 0.00	36.15 1.34 0.00	38.42 0.99 0.00	47.74 0.38 -0.38	48.03 0.12 -2.89	52.73 0.08 -3.31	50.63 0.90 -2.56	72.11 1.90 -5.99	60.11 1.84 -4.56	57.15 1.34 -2.43	54.75 1.20 -3.62	54.99 1.63 -3.27	54.25 2.20 -3.59	56.33 2.71 -3.42	54.79 2.83 -3.53	46.00 2.24 -2.42	39.08 1.53 -1.24	36.49 1.13 -0.41
BLISS_WT_PWR 323608	26.25 -0.62 0.00	29.46 -0.88 0.26	31.35 -0.83 0.00	28.12 -1.26 -0.98	30.52 -1.03 0.00	36.47 -1.01 -2.14	38.71 -0.49 -2.37	34.36 -0.45 0.00	38.01 0.58 0.00	47.94 0.95 0.00	46.01 0.98 0.00	50.27 0.93 0.00	47.02 -0.15 0.00	64.33 0.11 0.00	54.41 0.69 0.00	53.44 0.06 0.00	50.86 0.93 0.00	51.31 1.22 0.00	49.65 1.19 0.00	51.81 1.61 0.00	50.32 1.89 0.00	43.43 2.10 0.00	37.63 1.32 0.00	35.71 0.76 0.00
BLUE_CIRC_CHEM_DRP 24182	27.87 1.00 0.00	31.70 1.10 0.00	33.31 1.12 0.00	29.40 1.01 0.00	32.64 1.09 0.00	36.49 1.15 0.00	37.91 1.07 0.00	35.93 1.11 0.00	38.45 1.02 0.00	48.12 1.13 0.00	45.56 0.53 0.00	49.67 0.33 0.00	47.70 0.53 0.00	65.09 0.87 0.00	69.24 0.68 -14.85	65.69 0.95 -11.36	70.17 0.85 -19.38	68.39 0.74 -17.56	57.90 0.75 -8.68	64.07 0.71 -13.16	49.35 0.76 -0.16	46.76 0.79 -4.64	37.55 1.24 0.00	36.27 1.32 0.00
BOC_GAS_DRP 24189	27.71 0.84 0.00	31.50 0.91 0.00	33.08 0.90 0.00	29.18 0.79 0.00	32.38 0.83 0.00	36.20 0.86 0.00	37.60 0.77 0.00	35.69 0.88 0.00	38.29 0.86 0.00	48.10 1.11 0.00	46.12 1.09 0.00	50.47 1.14 0.00	48.49 1.32 0.00	66.13 1.91 0.00	71.12 1.58 -15.82	66.83 1.85 -11.59	71.14 1.69 -19.51	69.14 1.61 -17.44	58.71 1.53 -8.72	65.69 1.44 -14.05	50.04 1.44 -0.17	47.42 1.13 -4.96	37.38 1.07 0.00	36.07 1.12 0.00
BOONVILLE_115KV_TB1 79983	26.98 0.11 0.00	30.73 0.14 0.00	32.32 0.14 0.00	28.55 0.16 0.00	31.98 0.43 0.00	36.17 0.83 0.00	37.84 1.00 0.00	35.75 0.94 0.00	38.32 0.89 0.00	47.93 0.83 -0.11	46.62 0.78 -0.81	51.24 0.97 -0.94	49.17 1.27 -0.72	67.97 2.06 -1.69	56.59 1.59 -1.29	55.53 1.46 -0.69	52.34 1.38 -1.02	52.57 1.56 -0.92	51.25 1.78 -1.01	53.18 2.02 -0.97	51.42 1.99 -1.00	43.72 1.70 -0.68	37.90 1.24 -0.35	36.06 0.99 -0.11
BORALEX_4TH_BRANCH 23824	28.53 1.66 0.00	32.43 1.83 0.00	34.15 1.97 0.00	30.15 1.76 0.00	33.43 1.88 0.00	37.30 1.96 0.00	38.65 1.81 0.00	36.70 1.89 0.00	39.30 1.87 0.00	49.45 2.46 0.00	47.48 2.45 0.00	51.82 2.49 0.00	49.86 2.69 0.00	67.95 3.73 0.00	75.47 2.74 -19.01	70.03 3.05 -13.60	75.48 2.82 -22.72	73.01 2.78 -20.14	61.31 2.72 -10.13	69.91 2.95 -16.76	51.59 2.95 -0.21	49.62 2.32 -5.97	38.35 2.04 0.00	36.96 2.01 0.00
BOWLINE___1 23526	28.22 1.35 0.00	31.88 1.29 0.00	33.30 1.12 0.00	29.36 0.96 0.00	32.53 0.98 0.00	36.37 1.03 0.00	37.89 1.05 0.00	36.27 1.46 0.00	39.17 1.73 0.00	49.41 2.42 0.00	47.47 2.44 0.00	52.12 2.78 0.00	50.19 3.02 0.00	68.82 4.60 0.00	-1.82 4.17 59.71	69.64 4.59 -11.67	103.24 4.37 -48.93	125.40 4.26 -71.06	77.45 3.92 -25.07	-6.72 3.50 60.42	50.92 3.22 0.73	23.60 2.51 20.24	38.37 2.06 0.00	36.98 2.03 0.00
BOWLINE___2 23595	28.28 1.41 0.00	31.94 1.34 0.00	33.36 1.19 0.00	29.41 1.02 0.00	32.59 1.04 0.00	36.43 1.09 0.00	37.95 1.11 0.00	36.34 1.53 0.00	39.24 1.81 0.00	49.50 2.52 0.00	47.55 2.52 0.00	52.21 2.88 0.00	50.28 3.10 0.00	68.95 4.73 0.00	-1.76 4.27 59.75	69.64 4.70 -11.56	103.11 4.46 -48.71	125.26 4.35 -70.83	77.44 4.01 -24.97	-6.66 3.60 60.45	51.02 3.32 0.73	23.66 2.58 20.26	38.44 2.14 0.00	37.05 2.10 0.00
BRADY___115KV_TB2 356060	26.78 -0.09 0.00	30.62 0.03 0.00	32.24 0.06 0.00	28.50 0.10 0.00	31.71 0.17 0.00	35.60 0.26 0.00	37.14 0.30 0.00	34.93 0.12 0.00	37.43 -0.01 0.00	46.75 -0.23 0.00	44.76 -0.27 0.00	48.96 -0.38 0.00	46.54 -0.63 0.00	63.02 -1.20 0.00	52.46 -1.26 0.00	51.17 -2.22 0.00	47.61 -2.32 0.00	47.89 -2.20 0.00	46.54 -1.92 0.00	48.62 -1.58 0.00	47.01 -1.41 0.00	40.27 -1.06 0.00	35.72 -0.59 0.00	34.39 -0.56 0.00
BRANSCOMB___SOLAR 323811	28.61 1.74 0.00	32.43 1.84 0.00	34.02 1.84 0.00	30.02 1.63 0.00	33.31 1.76 0.00	37.23 1.89 0.00	38.76 1.92 0.00	36.86 2.04 0.00	39.58 2.15 0.00	49.79 2.80 0.00	47.64 2.60 0.00	52.11 2.77 0.00	50.10 2.92 0.00	68.12 3.90 0.00	73.26 3.16 -16.38	69.02 3.79 -11.85	73.41 3.61 -19.87	71.32 3.54 -17.69	60.91 3.58 -8.87	68.42 3.72 -14.49	52.24 3.63 -0.18	49.44 2.97 -5.14	38.80 2.48 0.00	37.23 2.28 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	29.31 2.43 0.00	33.11 2.51 0.00	34.40 2.22 0.00	30.24 1.85 0.00	33.52 1.97 0.00	37.46 2.12 0.00	39.18 2.34 0.00	37.65 2.84 0.00	40.68 3.25 0.00	57.18 4.52 -5.67	72.00 4.66 -22.31	77.67 5.25 -23.09	79.90 5.13 -27.60	82.61 6.99 -11.40	129.11 6.13 -69.26	105.68 5.88 -46.42	132.27 5.63 -76.70	179.43 5.80 -123.55	108.36 5.34 -54.55	121.55 4.99 -66.36	88.12 4.92 -34.77	79.14 3.85 -33.96	39.49 3.18 0.00	47.25 3.46 -8.84
BRISTLHL_115KV_TB1 79998	26.33 -0.54 0.00	29.87 -0.72 0.00	31.51 -0.67 0.00	27.78 -0.62 0.00	30.93 -0.62 0.00	34.74 -0.60 0.00	36.31 -0.53 0.00	34.33 -0.48 0.00	37.00 -0.43 0.00	47.31 -0.51 -0.83	50.95 -0.40 -6.32	56.17 -0.43 -7.26	52.34 -0.44 -5.61	76.94 -0.42 -13.14	63.44 -0.28 -9.99	58.42 -0.30 -5.34	57.69 -0.18 -7.93	57.08 -0.17 -7.16	56.15 -0.18 -7.87	57.61 -0.09 -7.51	56.12 -0.09 -7.75	46.62 -0.01 -5.31	38.81 -0.23 -2.73	35.47 -0.37 -0.89
BROOKHAVEN___DRP 24191	29.05 2.18 0.00	32.84 2.25 0.00	34.13 1.95 0.00	29.97 1.57 0.00	33.22 1.67 0.00	37.14 1.80 0.00	38.88 2.04 0.00	37.33 2.52 0.00	40.35 2.92 0.00	56.89 4.23 -5.67	71.65 4.31 -22.31	77.36 4.93 -23.09	79.80 4.97 -27.66	87.18 7.08 -15.89	161.92 6.18 -102.02	135.67 5.96 -76.33	205.41 5.74 -149.73	396.18 6.02 -340.07	166.60 5.59 -112.55	138.09 5.22 -82.66	104.12 5.03 -50.66	79.11 3.82 -33.96	39.28 2.97 0.00	46.99 3.20 -8.84
BROOKLYN_NAVY_YARD 23515	28.66 1.80 0.00	32.33 1.74 0.00	33.73 1.54 0.00	29.76 1.37 0.00	32.94 1.39 0.00	36.76 1.42 0.00	38.36 1.52 0.00	36.76 1.95 0.00	39.69 2.26 0.00	50.01 3.03 0.00	47.92 2.89 0.00	52.66 3.32 0.00	50.75 3.57 0.00	69.63 5.41 0.00	116.32 4.86 -57.75	97.42 5.23 -38.80	118.43 5.01 -63.49	109.98 4.88 -55.02	81.12 4.50 -28.15	106.76 4.13 -52.43	52.85 3.77 -0.64	62.50 2.98 -18.19	38.89 2.58 0.00	37.51 2.56 0.00
BROOKLYN___ARMY_DRP 323595	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.24 5.06 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00



BROOKVLE_69_KV_TB1 55790	29.05 2.18 0.00	32.85 2.26 0.00	34.21 2.03 0.00	30.12 1.73 0.00	33.37 1.83 0.00	37.30 1.96 0.00	38.92 2.08 0.00	37.31 2.50 0.00	40.21 2.78 0.00	51.51 3.92 -0.59	70.24 4.06 -21.14	77.06 4.63 -23.09	79.55 4.80 -27.58	81.53 7.09 -10.22	121.16 6.19 -61.26	104.04 6.43 -44.23	126.87 6.14 -70.79	130.03 6.09 -73.85	98.69 5.63 -44.59	117.92 5.26 -62.46	84.14 4.96 -30.74	79.17 3.88 -33.96	39.43 3.12 0.00	46.93 3.13 -8.84
BROOME_2_LFGE 323671	27.06 0.19 0.00	30.77 0.17 0.00	32.41 0.23 0.00	27.62 0.13 0.91	31.73 0.18 0.00	33.49 0.27 2.13	34.91 0.42 2.35	35.29 0.48 0.00	38.14 0.70 0.00	48.12 0.96 -0.17	47.38 1.02 -1.34	51.97 1.10 -1.53	49.35 1.00 -1.19	68.87 1.87 -2.78	57.64 1.81 -2.11	56.26 1.75 -1.13	53.36 1.75 -1.68	53.20 1.60 -1.51	51.63 1.50 -1.66	53.31 1.52 -1.59	51.52 1.46 -1.64	43.78 1.33 -1.12	37.70 0.81 -0.58	35.74 0.60 -0.19
BROOME___LFGE 323600	27.06 0.19 0.00	30.77 0.17 0.00	32.41 0.23 0.00	27.62 0.13 0.91	31.73 0.18 0.00	33.49 0.27 2.13	34.91 0.42 2.35	35.29 0.48 0.00	38.14 0.70 0.00	48.12 0.96 -0.17	47.38 1.02 -1.34	51.97 1.10 -1.53	49.35 1.00 -1.19	68.87 1.87 -2.78	57.64 1.81 -2.11	56.26 1.75 -1.13	53.36 1.75 -1.68	53.20 1.60 -1.51	51.63 1.50 -1.66	53.31 1.52 -1.59	51.52 1.46 -1.64	43.78 1.33 -1.12	37.70 0.81 -0.58	35.74 0.60 -0.19
BROWNFLS_115KV_TB_3_5 80003	26.13 -0.74 0.00	29.87 -0.73 0.00	31.44 -0.74 0.00	27.81 -0.58 0.00	31.21 -0.34 0.00	35.44 0.09 0.00	37.06 0.22 0.00	34.88 0.07 0.00	37.21 -0.22 0.00	46.33 -0.81 -0.15	45.17 -1.02 -1.16	49.56 -1.11 -1.33	47.52 -0.68 -1.03	65.84 -0.80 -2.42	54.80 -0.75 -1.84	52.94 -1.43 -0.98	49.92 -1.48 -1.46	50.17 -1.23 -1.32	49.11 -0.80 -1.45	51.11 -0.46 -1.38	49.50 -0.35 -1.43	42.07 -0.24 -0.98	36.64 -0.17 -0.50	34.81 -0.30 -0.16
BROWNSV1_27_KV_LOAD 356125	29.05 2.18 0.00	32.76 2.17 0.00	34.18 2.00 0.00	30.14 1.74 0.00	33.36 1.81 0.00	37.25 1.91 0.00	38.84 2.00 0.00	37.23 2.42 0.00	40.24 2.81 0.00	50.75 3.76 0.00	48.76 3.73 0.00	53.62 4.29 0.00	51.68 4.51 0.00	70.94 6.72 0.00	117.40 5.93 -57.75	98.49 6.31 -38.80	119.45 6.04 -63.49	111.01 5.90 -55.02	82.11 5.49 -28.15	107.76 5.14 -52.43	53.82 4.75 -0.64	63.34 3.82 -18.19	39.55 3.24 0.00	38.12 3.16 0.00
BURROWS___LYONSDAL 23803	26.73 -0.15 0.00	30.47 -0.13 0.00	32.04 -0.14 0.00	28.32 -0.07 0.00	31.82 0.27 0.00	36.13 0.79 0.00	37.81 0.97 0.00	35.69 0.88 0.00	38.16 0.72 0.00	47.59 0.48 -0.13	46.38 0.36 -0.99	50.98 0.51 -1.14	49.04 0.99 -0.88	67.99 1.72 -2.05	56.63 1.35 -1.56	55.41 1.19 -0.83	52.29 1.12 -1.24	52.53 1.32 -1.12	51.33 1.64 -1.23	53.29 1.91 -1.17	51.55 1.91 -1.21	43.80 1.64 -0.83	37.92 1.19 -0.43	36.01 0.92 -0.14
CAITHNESS_CC_1 323624	29.02 2.15 0.00	32.81 2.22 0.00	34.10 1.92 0.00	29.95 1.55 0.00	33.18 1.64 0.00	37.11 1.77 0.00	38.84 2.01 0.00	37.29 2.48 0.00	40.28 2.85 0.00	56.78 4.12 -5.67	71.53 4.19 -22.31	77.19 4.77 -23.09	79.66 4.83 -27.66	86.91 6.84 -15.86	161.34 5.97 -101.65	134.53 5.82 -75.33	202.88 5.60 -147.35	393.69 5.82 -337.78	165.36 5.41 -111.49	137.74 5.03 -82.51	103.83 4.86 -50.54	78.98 3.69 -33.96	39.19 2.88 0.00	46.91 3.12 -8.84
CALPINE BETH_PAGE_GT4 24209	29.08 2.21 0.00	32.81 2.22 0.00	34.11 1.93 0.00	30.01 1.62 0.00	33.25 1.70 0.00	37.17 1.83 0.00	38.81 1.97 0.00	37.24 2.42 0.00	40.18 2.75 0.00	50.98 3.92 -0.07	70.05 3.99 -21.03	76.82 4.40 -23.09	79.22 4.47 -27.58	81.10 6.59 -10.29	121.04 5.75 -61.58	103.43 5.82 -44.23	126.34 5.62 -70.79	133.21 5.70 -77.42	99.10 5.21 -45.43	117.73 4.81 -62.72	84.03 4.59 -31.01	78.86 3.57 -33.96	39.16 2.86 0.00	46.78 2.98 -8.84
CALPINE_BETH_PAGE_GT_4 323586	29.08 2.21 0.00	32.81 2.22 0.00	34.11 1.93 0.00	30.01 1.62 0.00	33.25 1.70 0.00	37.17 1.83 0.00	38.82 1.98 0.00	37.24 2.42 0.00	40.18 2.75 0.00	50.98 3.92 -0.08	70.05 3.99 -21.03	76.81 4.39 -23.09	79.21 4.45 -27.58	81.07 6.56 -10.29	121.04 5.75 -61.58	103.44 5.83 -44.23	126.35 5.62 -70.79	133.20 5.69 -77.42	99.10 5.21 -45.43	117.74 4.82 -62.72	84.02 4.59 -31.01	78.86 3.57 -33.96	39.17 2.86 0.00	46.78 2.99 -8.84
CALPINE_BP_GT1 23823	29.08 2.21 0.00	32.81 2.22 0.00	34.11 1.93 0.00	30.01 1.62 0.00	33.25 1.70 0.00	37.17 1.83 0.00	38.82 1.98 0.00	37.24 2.42 0.00	40.18 2.75 0.00	50.98 3.92 -0.08	70.05 3.99 -21.03	76.81 4.39 -23.09	79.21 4.45 -27.58	81.07 6.56 -10.29	121.04 5.75 -61.58	103.44 5.83 -44.23	126.35 5.62 -70.79	133.20 5.69 -77.42	99.10 5.21 -45.43	117.74 4.82 -62.72	84.02 4.59 -31.01	78.86 3.57 -33.96	39.17 2.86 0.00	46.78 2.99 -8.84
CALSPAN___DRP 24200	26.88 0.01 0.00	29.84 -0.33 0.42	32.25 0.07 0.00	29.09 -0.06 -0.75	31.62 0.08 0.00	37.08 0.11 -1.63	39.15 0.55 -1.76	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.95 0.92 0.00	50.32 0.98 0.00	47.34 0.17 0.00	64.98 0.76 0.00	55.05 1.33 0.00	54.30 0.91 0.00	51.28 1.35 0.00	51.47 1.38 0.00	49.88 1.41 0.00	51.98 1.78 0.00	50.25 1.82 0.00	43.32 1.99 0.00	37.50 1.19 0.00	35.63 0.68 0.00
CALVERTON___SOLAR 323806	29.14 2.27 0.00	32.93 2.34 0.00	34.22 2.04 0.00	30.04 1.65 0.00	33.30 1.75 0.00	37.25 1.91 0.00	39.00 2.16 0.00	37.47 2.66 0.00	40.51 3.07 0.00	57.10 4.44 -5.67	71.88 4.53 -22.31	77.62 5.20 -23.09	80.05 5.22 -27.66	87.55 7.43 -15.90	162.39 6.50 -102.18	136.35 6.26 -76.71	206.62 6.04 -150.64	397.42 6.36 -340.97	167.31 5.93 -112.92	138.48 5.55 -82.73	104.48 5.34 -50.71	79.35 4.05 -33.96	39.46 3.15 0.00	47.16 3.36 -8.84
CANDIGU_WT_PWR 323617	26.19 -0.67 0.00	27.24 -0.99 2.37	31.34 -0.84 0.00	15.90 -0.92 11.58	30.60 -0.95 0.00	7.84 -1.04 26.47	6.94 -0.66 29.24	34.22 -0.59 0.00	37.20 -0.23 0.00	47.18 0.11 -0.09	46.09 0.35 -0.71	50.48 0.33 -0.81	47.29 -0.51 -0.62	65.79 0.10 -1.46	55.46 0.63 -1.11	54.30 0.32 -0.60	51.71 0.89 -0.88	51.60 0.71 -0.80	50.23 0.89 -0.88	52.33 1.29 -0.84	50.84 1.55 -0.86	43.55 1.63 -0.59	37.47 0.85 -0.30	35.33 0.28 -0.10
CARR STREET_E_SYR 24060	26.46 -0.41 0.00	30.01 -0.59 0.00	31.61 -0.57 0.00	27.85 -0.54 0.00	31.02 -0.52 0.00	34.89 -0.46 0.00	36.48 -0.36 0.00	34.50 -0.31 0.00	37.23 -0.21 0.00	47.04 -0.20 -0.25	46.81 -0.11 -1.89	51.42 -0.08 -2.17	48.71 -0.13 -1.67	68.19 0.04 -3.92	56.92 0.22 -2.98	55.16 0.19 -1.59	52.54 0.24 -2.37	52.42 0.20 -2.14	51.02 0.21 -2.35	52.64 0.20 -2.24	50.94 0.20 -2.31	43.13 0.22 -1.58	37.08 -0.05 -0.81	35.01 -0.21 -0.27
CARTHAGE___PAPER 23857	26.42 -0.45 0.00	30.17 -0.42 0.00	31.78 -0.40 0.00	28.11 -0.29 0.00	31.73 0.18 0.00	36.40 1.06 0.00	38.19 1.36 0.00	35.99 1.18 0.00	38.26 0.82 0.00	47.54 0.23 -0.32	47.39 -0.06 -2.43	52.03 -0.10 -2.78	50.00 0.68 -2.15	70.72 1.46 -5.04	58.91 1.36 -3.84	56.30 0.87 -2.05	53.80 0.82 -3.04	53.99 1.16 -2.75	53.16 1.68 -3.02	55.27 2.19 -2.88	53.69 2.29 -2.97	45.25 1.89 -2.04	38.67 1.31 -1.05	36.28 0.99 -0.34

CASSADAGA_WT_PWR 323784	25.95 -0.92 0.00	28.82 -1.43 0.34	31.64 -0.54 0.00	28.61 -0.69 -0.90	30.64 -0.90 0.00	36.65 -0.65 -1.96	39.04 0.05 -2.16	35.07 0.26 0.00	38.44 1.00 0.00	48.04 1.05 0.00	45.56 0.53 0.00	50.01 0.67 0.00	47.50 0.32 0.00	65.05 0.83 0.00	55.03 1.32 0.00	54.58 1.20 0.00	51.73 1.80 0.00	51.94 1.86 0.00	50.19 1.72 0.00	52.34 2.14 0.00	50.69 2.26 0.00	43.54 2.21 0.00	37.44 1.13 0.00	35.69 0.74 0.00
CE_DUNWOOD___DRP 24194	28.54 1.67 0.00	32.24 1.64 0.00	33.66 1.48 0.00	29.67 1.28 0.00	32.86 1.32 0.00	36.72 1.38 0.00	38.27 1.43 0.00	36.63 1.82 0.00	39.55 2.12 0.00	49.89 2.91 0.00	47.95 2.92 0.00	52.67 3.33 0.00	50.71 3.54 0.00	69.53 5.31 0.00	117.61 4.73 -59.17	98.28 5.13 -39.77	119.87 4.86 -65.08	111.25 4.76 -56.41	81.73 4.40 -28.86	108.53 4.03 -54.30	52.81 3.72 -0.66	62.89 2.92 -18.64	38.75 2.44 0.00	37.38 2.43 0.00
CE_MILLWOOD___DRP 24193	28.47 1.60 0.00	32.17 1.57 0.00	33.59 1.41 0.00	29.62 1.22 0.00	32.80 1.25 0.00	36.66 1.32 0.00	38.20 1.36 0.00	36.56 1.75 0.00	39.47 2.04 0.00	49.79 2.80 0.00	47.84 2.81 0.00	52.54 3.20 0.00	50.59 3.42 0.00	69.34 5.13 0.00	118.31 4.57 -60.02	99.25 4.98 -40.89	121.90 4.74 -67.22	113.27 4.61 -58.57	82.57 4.26 -29.85	145.20 3.89 -91.11	52.84 3.60 -0.81	63.05 2.83 -18.89	38.66 2.35 0.00	37.28 2.33 0.00
CE_NYC2_DRP 24202	28.71 1.85 0.00	32.38 1.78 0.00	33.77 1.59 0.00	29.80 1.41 0.00	32.97 1.42 0.00	36.79 1.45 0.00	38.32 1.49 0.00	36.70 1.89 0.00	39.61 2.18 0.00	49.85 2.86 0.00	47.79 2.76 0.00	52.50 3.17 0.01	48.03 3.48 2.62	69.43 5.21 0.00	116.15 4.69 -57.74	97.24 5.07 -38.80	118.28 4.86 -63.48	109.82 4.72 -55.02	80.94 4.32 -28.15	106.55 3.93 -52.42	52.70 3.63 -0.64	62.43 2.91 -18.19	38.80 2.49 0.00	37.48 2.52 0.00
CE_NYC_DRP 24195	28.70 1.83 0.00	32.38 1.78 0.00	33.78 1.60 0.00	29.80 1.40 0.00	32.98 1.44 0.00	36.82 1.48 0.00	38.37 1.53 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.08 3.10 0.00	48.08 3.05 0.00	52.83 3.50 0.00	50.92 3.74 0.00	69.85 5.63 0.00	116.48 5.02 -57.75	97.58 5.40 -38.80	118.57 5.15 -63.49	110.12 5.01 -55.02	81.25 4.62 -28.15	106.86 4.24 -52.43	52.95 3.88 -0.64	62.59 3.07 -18.19	38.93 2.62 0.00	37.57 2.62 0.00
CHAFFEE___LFGE 323603	26.94 0.07 0.00	29.97 -0.28 0.34	32.28 0.10 0.00	29.23 -0.04 -0.88	31.66 0.11 0.00	37.38 0.14 -1.90	39.50 0.57 -2.09	35.15 0.34 0.00	38.33 0.90 0.00	48.19 1.20 0.00	46.09 1.06 0.00	50.53 1.19 0.00	47.57 0.40 0.00	65.31 1.09 0.00	55.33 1.61 0.00	54.60 1.22 0.00	51.55 1.62 0.00	51.73 1.64 0.00	50.11 1.65 0.00	52.19 1.99 0.00	50.43 2.00 0.00	43.48 2.15 0.00	37.57 1.26 0.00	35.68 0.72 0.00
CHATEAUG_35_KV_LOAD 355732	26.75 -0.12 0.00	30.78 0.19 0.00	32.35 0.17 0.00	28.58 0.19 0.00	31.80 0.26 0.00	35.67 0.32 0.00	36.97 0.13 0.00	34.78 -0.03 0.00	37.20 -0.23 0.00	46.27 -0.72 0.00	44.13 -0.90 0.00	48.27 -1.07 0.00	46.01 -1.16 0.00	62.06 -2.16 0.00	51.49 -2.23 0.00	50.82 -2.57 0.00	47.53 -2.40 0.00	47.89 -2.20 0.00	46.47 -2.00 0.00	48.33 -1.87 0.00	46.36 -2.07 0.00	39.44 -1.89 0.00	34.86 -1.45 0.00	33.58 -1.37 0.00
CHATEAUG_WT_PWR 323614	26.76 -0.11 0.00	30.79 0.19 0.00	32.36 0.18 0.00	28.61 0.21 0.00	31.80 0.26 0.00	35.68 0.33 0.00	36.98 0.15 0.00	34.78 -0.03 0.00	37.17 -0.27 0.00	46.18 -0.81 0.00	44.02 -1.01 0.00	48.13 -1.21 0.00	45.90 -1.28 0.00	61.94 -2.28 0.00	51.36 -2.36 0.00	50.69 -2.70 0.00	47.38 -2.55 0.00	47.69 -2.39 0.00	46.29 -2.17 0.00	48.14 -2.06 0.00	46.21 -2.22 0.00	39.27 -2.06 0.00	34.70 -1.61 0.00	33.42 -1.53 0.00
CHAT_HIGH_FALL_HYD 323578	26.75 -0.12 0.00	30.78 0.19 0.00	32.35 0.17 0.00	28.58 0.19 0.00	31.80 0.26 0.00	35.67 0.32 0.00	36.97 0.13 0.00	34.78 -0.03 0.00	37.20 -0.23 0.00	46.27 -0.72 0.00	44.13 -0.90 0.00	48.27 -1.07 0.00	46.01 -1.16 0.00	62.06 -2.16 0.00	51.49 -2.23 0.00	50.82 -2.57 0.00	47.54 -2.40 0.00	47.88 -2.20 0.00	46.46 -2.01 0.00	48.33 -1.88 0.00	46.36 -2.07 0.00	39.44 -1.89 0.00	34.86 -1.45 0.00	33.58 -1.37 0.00
CHAUTAUQUA___LFGE 323629	26.52 -0.35 0.00	29.52 -0.68 0.39	32.08 -0.10 0.00	28.90 -0.27 -0.78	31.26 -0.28 0.00	36.89 -0.12 -1.67	39.09 0.41 -1.84	35.24 0.43 0.00	38.52 1.09 0.00	48.31 1.32 0.00	46.00 0.97 0.00	50.40 1.06 0.00	47.70 0.53 0.00	65.60 1.38 0.00	55.57 1.85 0.00	54.96 1.58 0.00	51.94 2.01 0.00	52.06 1.97 0.00	50.31 1.85 0.00	52.38 2.17 0.00	50.65 2.22 0.00	43.57 2.24 0.00	37.53 1.22 0.00	35.72 0.77 0.00
CHERRYST_13_KV_LD 356241	28.79 1.92 0.00	32.48 1.88 0.00	33.89 1.71 0.00	29.90 1.51 0.00	33.10 1.55 0.00	36.95 1.61 0.00	38.53 1.69 0.00	36.95 2.14 0.00	39.92 2.49 0.00	50.36 3.37 0.00	48.36 3.33 0.00	53.15 3.82 0.00	51.21 4.04 0.00	70.26 6.04 0.00	116.83 5.37 -57.75	97.92 5.74 -38.80	118.90 5.48 -63.49	110.43 5.33 -55.02	81.52 4.90 -28.15	107.12 4.49 -52.43	53.19 4.12 -0.64	62.79 3.27 -18.19	39.08 2.77 0.00	37.72 2.77 0.00
CHESTROR_138KV_BK263 355645	28.16 1.29 0.00	31.86 1.27 0.00	33.33 1.15 0.00	29.37 0.97 0.00	32.56 1.01 0.00	36.41 1.07 0.00	37.93 1.09 0.00	36.25 1.44 0.00	39.12 1.69 0.00	49.32 2.33 0.00	47.39 2.36 0.00	51.99 2.65 0.00	50.02 2.85 0.00	68.51 4.29 0.00	23.59 3.86 33.99	178.56 4.26 -120.92	334.69 4.05 -280.71	376.89 3.99 -322.82	185.91 3.61 -133.84	10.08 3.28 43.39	50.95 3.04 0.52	29.04 2.40 14.70	38.28 1.97 0.00	36.88 1.93 0.00
CH_MIDHUDSON___DRP 24192	28.55 1.68 0.00	32.29 1.70 0.00	33.75 1.57 0.00	29.74 1.35 0.00	32.96 1.42 0.00	36.86 1.52 0.00	38.39 1.55 0.00	36.70 1.89 0.00	39.60 2.16 0.00	49.95 2.97 0.00	48.08 3.05 0.00	52.70 3.36 0.00	50.76 3.58 0.00	69.52 5.30 0.00	78.67 4.62 -20.33	77.37 5.04 -18.95	88.74 4.76 -34.05	87.13 4.61 -32.43	68.18 4.28 -15.44	71.28 3.95 -17.13	52.36 3.71 -0.22	50.52 2.92 -6.26	38.74 2.43 0.00	37.34 2.39 0.00
CH_MISC_IPPS 23765	28.71 1.84 0.00	32.45 1.85 0.00	33.92 1.74 0.00	29.89 1.49 0.00	33.12 1.57 0.00	37.05 1.71 0.00	38.61 1.78 0.00	36.93 2.12 0.00	39.88 2.45 0.00	50.34 3.36 0.00	48.46 3.43 0.00	53.13 3.80 0.00	51.16 3.98 0.00	70.10 5.89 0.00	70.82 5.20 -11.91	75.54 5.62 -16.54	87.26 5.33 -31.99	87.74 5.20 -32.46	67.97 4.76 -14.75	63.10 4.42 -8.48	52.69 4.14 -0.12	48.13 3.28 -3.51	39.02 2.71 0.00	37.58 2.63 0.00
CH_RES_BVR_FALLS 23983	26.34 -0.53 0.00	30.08 -0.51 0.00	31.69 -0.49 0.00	28.03 -0.36 0.00	31.26 -0.29 0.00	35.11 -0.22 0.00	36.66 -0.18 0.00	34.38 -0.43 0.00	36.81 -0.63 0.00	46.01 -0.97 0.00	43.98 -1.05 0.00	48.30 -1.04 0.00	46.21 -0.96 0.00	62.97 -1.25 0.00	52.62 -1.09 0.00	52.26 -1.13 0.00	48.87 -1.07 0.00	49.13 -0.96 0.00	47.63 -0.83 0.00	49.44 -0.76 0.00	47.67 -0.76 0.00	40.70 -0.63 0.00	35.84 -0.47 0.00	34.53 -0.43 0.00

CH_RES_NIAGARA 23895	26.28 -0.59 0.00	29.27 -1.00 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.56 -1.56	38.12 -0.43 -1.72	34.21 -0.60 0.00	37.29 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.43 -0.91 0.00	45.47 -1.70 0.00	62.14 -2.08 0.00	52.73 -0.99 0.00	52.13 -1.25 0.00	49.17 -0.76 0.00	49.42 -0.66 0.00	47.96 -0.50 0.00	50.02 -0.18 0.00	48.36 -0.07 0.00	41.78 0.45 0.00	36.38 0.07 0.00	34.68 -0.28 0.00
CH_RES_SYRACUSE 23985	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.21 0.36 -4.38	54.74 0.36 -4.18	53.14 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
CLINTON_WT_PWR 323605	26.76 -0.11 0.00	30.79 0.19 0.00	32.36 0.18 0.00	28.61 0.21 0.00	31.80 0.26 0.00	35.68 0.33 0.00	36.98 0.15 0.00	34.78 -0.03 0.00	37.17 -0.27 0.00	46.18 -0.81 0.00	44.02 -1.01 0.00	48.13 -1.21 0.00	45.90 -1.28 0.00	61.94 -2.28 0.00	51.36 -2.36 0.00	50.69 -2.70 0.00	47.38 -2.55 0.00	47.69 -2.39 0.00	46.29 -2.17 0.00	48.14 -2.06 0.00	46.21 -2.22 0.00	39.27 -2.06 0.00	34.70 -1.61 0.00	33.42 -1.53 0.00
CLINTON___LFGE 323618	27.09 0.22 0.00	31.13 0.54 0.00	32.73 0.55 0.00	28.94 0.55 0.00	32.18 0.64 0.00	36.13 0.79 0.00	37.49 0.65 0.00	35.21 0.40 0.00	37.57 0.14 0.00	46.54 -0.45 0.00	44.26 -0.78 0.00	48.40 -0.94 0.00	46.07 -1.10 0.00	62.13 -2.09 0.00	51.41 -2.31 0.00	50.87 -2.51 0.00	47.52 -2.42 0.00	47.61 -2.48 0.00	46.27 -2.20 0.00	48.18 -2.02 0.00	46.25 -2.18 0.00	39.28 -2.05 0.00	34.66 -1.65 0.00	33.34 -1.62 0.00
COBBLENY_34_KV_TB1 80064	26.94 0.07 0.00	29.97 -0.29 0.34	32.28 0.10 0.00	29.23 -0.04 -0.87	31.65 0.11 0.00	37.39 0.15 -1.90	39.50 0.58 -2.08	35.15 0.34 0.00	38.34 0.90 0.00	48.20 1.21 0.00	46.08 1.05 0.00	50.49 1.16 0.00	47.55 0.38 0.00	65.30 1.08 0.00	55.34 1.62 0.00	54.57 1.19 0.00	51.53 1.59 0.00	51.70 1.62 0.00	50.09 1.62 0.00	52.18 1.98 0.00	50.43 2.00 0.00	43.46 2.12 0.00	37.58 1.27 0.00	35.68 0.72 0.00
COFFEEN___115KV_TB3 355620	26.69 -0.18 0.00	30.42 -0.17 0.00	32.06 -0.12 0.00	28.35 -0.05 0.00	31.99 0.44 0.00	36.78 1.44 0.00	38.67 1.83 0.00	36.49 1.68 0.00	38.83 1.40 0.00	48.33 0.96 -0.39	48.70 0.71 -2.97	53.42 0.68 -3.40	51.23 1.43 -2.63	73.00 2.62 -6.16	60.88 2.48 -4.69	57.80 1.91 -2.50	55.38 1.73 -3.72	55.60 2.15 -3.36	54.87 2.72 -3.69	56.99 3.27 -3.52	55.47 3.41 -3.63	46.49 2.67 -2.49	39.44 1.86 -1.28	36.81 1.44 -0.42
COLDSPRG_115KV_BK1 355956	26.81 -0.06 0.00	29.99 -0.39 0.22	32.39 0.21 0.00	29.56 -0.02 -1.19	31.55 0.01 0.00	38.15 0.21 -2.60	40.54 0.82 -2.89	35.61 0.80 0.00	38.86 1.43 0.00	48.71 1.72 0.00	46.45 1.42 0.00	50.87 1.53 0.00	48.25 1.08 0.00	66.29 2.07 0.00	56.18 2.46 0.00	55.50 2.12 0.00	52.32 2.39 0.00	52.23 2.15 0.00	50.46 2.00 0.00	52.47 2.27 0.00	50.68 2.25 0.00	43.59 2.26 0.00	37.61 1.30 0.00	35.84 0.88 0.00
COLONIE_LFGE___ 323577	28.21 1.35 0.00	32.04 1.44 0.00	33.65 1.47 0.00	29.70 1.30 0.00	32.95 1.40 0.00	36.80 1.46 0.00	38.24 1.40 0.00	36.33 1.52 0.00	38.99 1.56 0.00	49.03 2.05 0.00	47.05 2.02 0.00	51.47 2.13 0.00	49.48 2.31 0.00	67.44 3.22 0.00	73.30 2.49 -17.09	68.66 2.94 -12.34	73.30 2.69 -20.68	71.11 2.63 -18.40	60.27 2.72 -9.23	67.95 2.64 -15.11	51.22 2.60 -0.19	48.75 2.05 -5.36	38.11 1.80 0.00	36.68 1.72 0.00
COOPERNY_115KV_TB1 80082	27.81 0.94 0.00	31.52 0.93 0.00	33.03 0.85 0.00	29.11 0.72 0.00	32.29 0.74 0.00	36.13 0.79 0.00	37.65 0.81 0.00	35.87 1.06 0.00	38.71 1.28 0.00	48.77 1.78 0.00	46.83 1.80 0.00	51.37 2.03 0.00	49.34 2.17 0.00	67.49 3.28 0.00	34.52 2.99 22.18	40.87 3.26 15.77	26.74 3.11 26.30	29.82 3.01 23.27	39.51 2.77 11.72	32.92 2.52 19.80	50.52 2.34 0.25	36.25 1.88 6.96	37.82 1.51 0.00	36.42 1.47 0.00
COPENHAGEN_WT_PWR 323753	26.08 -0.79 0.00	29.76 -0.84 0.00	31.38 -0.80 0.00	27.76 -0.63 0.00	31.38 -0.16 0.00	36.22 0.88 0.00	38.06 1.22 0.00	35.90 1.09 0.00	38.05 0.62 0.00	47.19 -0.21 -0.41	47.64 -0.50 -3.11	52.34 -0.56 -3.57	50.33 0.40 -2.76	71.99 1.31 -6.46	59.99 1.36 -4.91	56.92 0.92 -2.62	54.64 0.81 -3.90	54.93 1.32 -3.52	54.27 1.94 -3.87	56.29 2.40 -3.69	54.75 2.51 -3.81	45.94 2.01 -2.61	38.93 1.28 -1.34	36.29 0.90 -0.44
CORNELL___ 23752	27.37 0.50 0.00	31.18 0.44 -0.14	32.67 0.49 0.00	28.78 0.39 0.00	32.03 0.48 0.00	35.99 0.65 0.00	37.66 0.83 0.00	35.66 0.85 0.00	38.50 1.06 0.00	48.57 1.33 -0.25	48.47 1.53 -1.91	53.17 1.64 -2.19	50.40 1.54 -1.69	70.68 2.50 -3.97	59.14 2.41 -3.02	57.20 2.20 -1.61	54.48 2.15 -2.39	54.45 2.21 -2.16	53.00 2.16 -2.37	54.79 2.33 -2.26	53.06 2.30 -2.34	44.93 2.00 -1.60	38.55 1.41 -0.82	36.30 1.08 -0.27
CORONA_AAV_69_KV_TB1 355595	29.07 2.20 0.00	32.79 2.19 0.00	34.09 1.91 0.00	30.01 1.62 0.00	33.25 1.70 0.00	37.17 1.83 0.00	38.73 1.89 0.00	37.12 2.31 0.00	40.11 2.68 0.00	56.41 3.75 -5.67	71.12 3.78 -22.31	76.71 4.29 -23.09	79.19 4.44 -27.58	80.97 6.53 -10.22	120.76 5.79 -61.26	103.68 6.07 -44.23	126.53 5.80 -70.79	129.76 5.81 -73.85	98.52 5.47 -44.59	117.77 5.11 -62.46	84.01 4.84 -30.74	79.12 3.82 -33.96	39.42 3.11 0.00	47.02 3.23 -8.84
CORTLAND_115KV_TB3 80093	27.12 0.25 0.00	30.79 0.19 0.00	32.42 0.24 0.00	28.55 0.15 0.00	31.79 0.24 0.00	35.71 0.37 0.00	37.36 0.52 0.00	35.38 0.57 0.00	38.19 0.76 0.00	48.19 0.94 -0.26	48.10 1.08 -1.98	52.81 1.20 -2.27	50.04 1.11 -1.76	70.21 1.87 -4.12	58.64 1.79 -3.13	56.79 1.74 -1.67	54.12 1.70 -2.48	54.02 1.69 -2.24	52.55 1.62 -2.46	54.26 1.71 -2.35	52.54 1.68 -2.43	44.46 1.47 -1.66	38.14 0.98 -0.85	35.97 0.73 -0.28
COXSACKIE___GT 23611	28.96 2.09 0.00	32.86 2.27 0.00	34.52 2.34 0.00	30.48 2.08 0.00	33.86 2.31 0.00	37.91 2.57 0.00	39.52 2.68 0.00	37.43 2.62 0.00	39.96 2.53 0.00	49.58 2.60 0.00	47.50 2.47 0.00	52.11 2.77 0.00	49.73 2.56 0.00	68.11 3.89 0.00	69.24 3.91 -11.62	67.84 4.09 -10.37	72.34 3.97 -18.44	70.91 3.43 -17.40	60.35 3.54 -8.34	62.60 3.74 -8.66	52.28 3.73 -0.12	48.01 3.09 -3.59	39.17 2.86 0.00	37.73 2.77 0.00
CPV_VALLEY___CC1 323721	27.92 1.05 0.00	31.61 1.01 0.00	33.07 0.89 0.00	29.15 0.76 0.00	32.31 0.77 0.00	36.15 0.80 0.00	37.65 0.81 0.00	35.95 1.14 0.00	38.79 1.36 0.00	48.89 1.91 0.00	46.98 1.95 0.00	51.53 2.19 0.00	49.56 2.38 0.00	67.85 3.63 0.00	21.52 3.30 35.50	36.43 3.66 20.61	21.59 3.50 31.85	27.67 3.39 25.80	37.64 3.09 13.91	20.95 2.77 32.02	50.59 2.56 0.40	32.07 2.01 11.27	37.95 1.64 0.00	36.56 1.61 0.00

CPV_VALLEY___CC2 323722	27.92 1.05 0.00	31.61 1.01 0.00	33.07 0.89 0.00	29.15 0.76 0.00	32.31 0.77 0.00	36.15 0.80 0.00	37.65 0.81 0.00	35.95 1.14 0.00	38.79 1.36 0.00	48.89 1.91 0.00	46.98 1.95 0.00	51.53 2.19 0.00	49.56 2.38 0.00	67.85 3.63 0.00	21.52 3.30 35.50	36.43 3.66 20.61	21.59 3.50 31.85	27.67 3.39 25.80	37.64 3.09 13.91	20.95 2.77 32.02	50.59 2.56 0.40	32.07 2.01 11.27	37.95 1.64 0.00	36.56 1.61 0.00
CRESCENT___HYD 24018	28.21 1.35 0.00	32.04 1.44 0.00	33.65 1.47 0.00	29.70 1.30 0.00	32.95 1.40 0.00	36.80 1.46 0.00	38.24 1.40 0.00	36.33 1.52 0.00	38.99 1.56 0.00	49.03 2.05 0.00	47.05 2.02 0.00	51.47 2.13 0.00	49.48 2.31 0.00	67.44 3.22 0.00	73.30 2.49 -17.09	68.66 2.94 -12.34	73.30 2.69 -20.68	71.11 2.63 -18.40	60.27 2.58 -9.23	67.95 2.64 -15.11	51.22 2.60 -0.19	48.75 2.05 -5.36	38.11 1.80 0.00	36.68 1.72 0.00
CRICKET___VALLEY_CC1 323756	28.31 1.45 0.00	32.04 1.45 0.00	33.49 1.32 0.00	29.52 1.12 0.00	32.71 1.16 0.00	36.57 1.23 0.00	38.08 1.25 0.00	36.39 1.58 0.00	39.18 1.74 0.00	49.38 2.39 0.00	47.54 2.51 0.00	52.08 2.74 0.00	50.17 3.00 0.00	68.55 4.33 0.00	95.51 3.68 -38.12	83.64 4.18 -26.07	96.76 3.90 -42.92	91.26 3.72 -37.45	71.06 3.53 -19.06	86.58 3.24 -33.14	51.90 3.05 -0.42	55.66 2.34 -11.99	38.30 1.99 0.00	36.96 2.01 0.00
CRICKET___VALLEY_CC2 323757	28.31 1.45 0.00	32.04 1.45 0.00	33.49 1.32 0.00	29.52 1.12 0.00	32.71 1.16 0.00	36.57 1.23 0.00	38.08 1.25 0.00	36.39 1.58 0.00	39.18 1.74 0.00	49.38 2.39 0.00	47.54 2.51 0.00	52.08 2.74 0.00	50.17 3.00 0.00	68.55 4.33 0.00	95.51 3.68 -38.12	83.64 4.18 -26.07	96.76 3.90 -42.92	91.26 3.72 -37.45	71.06 3.53 -19.06	86.58 3.24 -33.14	51.90 3.05 -0.42	55.66 2.34 -11.99	38.30 1.99 0.00	36.96 2.01 0.00
CRICKET___VALLEY_CC3 323758	28.31 1.45 0.00	32.04 1.45 0.00	33.49 1.32 0.00	29.52 1.12 0.00	32.71 1.16 0.00	36.57 1.23 0.00	38.08 1.25 0.00	36.39 1.58 0.00	39.18 1.74 0.00	49.38 2.39 0.00	47.54 2.51 0.00	52.08 2.74 0.00	50.17 3.00 0.00	68.55 4.33 0.00	95.51 3.68 -38.12	83.64 4.18 -26.07	96.76 3.90 -42.92	91.26 3.72 -37.45	71.06 3.53 -19.06	86.58 3.24 -33.14	51.90 3.05 -0.42	55.66 2.34 -11.99	38.30 1.99 0.00	36.96 2.01 0.00
CRUCIBLE_METL_DRP 24180	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.20 0.35 -4.38	54.74 0.36 -4.18	53.13 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
DAHOWA___HYDRO 323763	28.73 1.86 0.00	32.52 1.93 0.00	34.11 1.92 0.00	30.10 1.71 0.00	33.40 1.85 0.00	37.33 1.98 0.00	38.88 2.04 0.00	36.97 2.16 0.00	39.72 2.29 0.00	49.98 3.00 0.00	47.79 2.76 0.00	52.27 2.93 0.00	50.27 3.10 0.00	68.32 4.10 0.00	73.30 3.34 -16.24	69.16 4.02 -11.75	73.53 3.88 -19.71	71.44 3.80 -17.55	61.13 3.87 -8.80	68.59 4.02 -14.38	52.52 3.91 -0.18	49.65 3.23 -5.09	38.98 2.67 0.00	37.37 2.41 0.00
DANC___LFGE 323619	26.18 -0.69 0.00	29.80 -0.80 0.00	31.43 -0.75 0.00	27.77 -0.62 0.00	31.20 -0.35 0.00	35.64 0.30 0.00	37.38 0.54 0.00	35.29 0.48 0.00	37.65 0.21 0.00	47.19 -0.30 -0.51	48.47 -0.45 -3.90	53.30 -0.51 -4.47	50.69 0.06 -3.46	72.93 0.61 -8.10	60.62 0.75 -6.16	57.08 0.41 -3.29	55.19 0.37 -4.89	55.19 0.69 -4.41	54.37 1.07 -4.85	56.19 1.36 -4.62	54.69 1.50 -4.77	45.82 1.22 -3.27	38.68 0.68 -1.68	35.90 0.40 -0.55
DANSKAMMER___1 23586	28.71 1.84 0.00	32.45 1.85 0.00	33.92 1.74 0.00	29.89 1.49 0.00	33.12 1.57 0.00	37.05 1.71 0.00	38.61 1.78 0.00	36.93 2.12 0.00	39.88 2.45 0.00	50.34 3.36 0.00	48.46 3.43 0.00	53.13 3.80 0.00	51.16 3.98 0.00	70.10 5.89 0.00	70.82 5.20 -11.91	75.54 5.62 -16.54	87.26 5.33 -31.99	87.74 5.20 -32.46	67.97 4.76 -14.75	63.10 4.42 -8.48	52.69 4.14 -0.12	48.13 3.28 -3.51	39.02 2.71 0.00	37.58 2.63 0.00
DANSKAMMER___2 23589	28.71 1.84 0.00	32.45 1.85 0.00	33.92 1.74 0.00	29.89 1.49 0.00	33.12 1.57 0.00	37.05 1.71 0.00	38.61 1.78 0.00	36.93 2.12 0.00	39.88 2.45 0.00	50.34 3.36 0.00	48.46 3.43 0.00	53.13 3.80 0.00	51.16 3.98 0.00	70.10 5.89 0.00	70.82 5.20 -11.91	75.54 5.62 -16.54	87.26 5.33 -31.99	87.74 5.20 -32.46	67.97 4.76 -14.75	63.10 4.42 -8.48	52.69 4.14 -0.12	48.13 3.28 -3.51	39.02 2.71 0.00	37.58 2.63 0.00
DANSKAMMER___3 23590	28.71 1.84 0.00	32.45 1.85 0.00	33.92 1.74 0.00	29.89 1.49 0.00	33.12 1.57 0.00	37.05 1.71 0.00	38.61 1.78 0.00	36.93 2.12 0.00	39.88 2.45 0.00	50.34 3.36 0.00	48.46 3.43 0.00	53.13 3.80 0.00	51.16 3.98 0.00	70.10 5.89 0.00	70.82 5.20 -11.91	75.54 5.62 -16.54	87.26 5.33 -31.99	87.74 5.20 -32.46	67.97 4.76 -14.75	63.10 4.42 -8.48	52.69 4.14 -0.12	48.13 3.28 -3.51	39.02 2.71 0.00	37.58 2.63 0.00
DANSKAMMER___4 23591	28.71 1.84 0.00	32.45 1.85 0.00	33.92 1.74 0.00	29.89 1.49 0.00	33.12 1.57 0.00	37.05 1.71 0.00	38.61 1.78 0.00	36.93 2.12 0.00	39.88 2.45 0.00	50.34 3.36 0.00	48.46 3.43 0.00	53.13 3.80 0.00	51.16 3.98 0.00	70.10 5.89 0.00	70.82 5.20 -11.91	75.54 5.62 -16.54	87.26 5.33 -31.99	87.74 5.20 -32.46	67.97 4.76 -14.75	63.10 4.42 -8.48	52.69 4.14 -0.12	48.13 3.28 -3.51	39.02 2.71 0.00	37.58 2.63 0.00
DANSKAMMER___DIESEL 23592	28.71 1.84 0.00	32.45 1.85 0.00	33.92 1.73 0.00	29.89 1.49 0.00	33.12 1.57 0.00	37.05 1.71 0.00	38.61 1.77 0.00	36.93 2.12 0.00	39.88 2.45 0.00	50.34 3.36 0.00	48.47 3.43 0.00	53.14 3.80 0.00	51.16 3.98 0.00	70.10 5.89 0.00	70.82 5.19 -11.91	75.54 5.62 -16.54	87.25 5.32 -31.99	87.75 5.21 -32.46	67.98 4.77 -14.75	63.10 4.42 -8.48	52.69 4.14 -0.12	48.14 3.29 -3.51	39.02 2.71 0.00	37.58 2.63 0.00
DARBY___SOLAR 323810	28.63 1.76 0.00	32.44 1.85 0.00	34.02 1.84 0.00	30.02 1.63 0.00	33.31 1.77 0.00	37.24 1.90 0.00	38.77 1.93 0.00	36.86 2.05 0.00	39.60 2.16 0.00	49.82 2.83 0.00	47.65 2.62 0.00	52.13 2.79 0.00	50.12 2.95 0.00	68.14 3.91 0.00	73.25 3.16 -16.37	69.04 3.81 -11.84	73.45 3.65 -19.86	71.35 3.58 -17.68	60.95 3.63 -8.86	68.45 3.76 -14.49	52.27 3.66 -0.18	49.47 3.01 -5.13	38.81 2.50 0.00	37.26 2.30 0.00
DASHVILLE___HYD 23610	28.29 1.42 0.00	32.01 1.41 0.00	33.46 1.28 0.00	29.48 1.08 0.00	32.65 1.11 0.00	36.52 1.18 0.00	38.04 1.20 0.00	36.40 1.59 0.00	39.34 1.90 0.00	49.69 2.70 0.00	47.89 2.85 0.00	52.54 3.20 0.00	50.57 3.40 0.00	69.28 5.06 0.00	58.78 4.50 -0.57	65.09 4.90 -6.80	69.37 4.60 -14.84	71.00 4.50 -16.41	59.48 4.02 -7.00	53.85 3.64 0.00	51.88 3.45 0.00	43.96 2.63 0.00	38.43 2.12 0.00	37.05 2.10 0.00

DEERFIELD_69_KV_DEERFIELD LD 355887	29.90 3.03 0.00	33.76 3.17 0.00	35.06 2.88 0.00	30.77 2.38 0.00	34.11 2.56 0.00	38.18 2.84 0.00	40.03 3.19 0.00	38.53 3.72 0.00	41.76 4.33 0.00	58.83 6.17 -5.67	73.61 6.27 -22.31	79.75 7.33 -23.09	81.94 7.11 -27.66	90.30 10.17 -15.92	164.97 8.85 -102.39	139.18 8.47 -77.33	210.13 8.10 -152.10	400.86 8.43 -342.34	169.96 7.90 -113.60	140.60 7.58 -82.82	106.41 7.20 -50.78	80.80 5.50 -33.96	40.68 4.37 0.00	48.38 4.59 -8.84
DELAWARE___LFGE 323621	27.72 0.85 0.00	31.53 0.93 0.00	33.15 0.97 0.00	28.83 0.82 0.38	32.46 0.91 0.00	35.45 1.02 0.91	36.90 1.06 1.00	35.94 1.13 0.00	38.75 1.31 0.00	48.79 1.71 -0.09	47.43 1.75 -0.65	52.01 1.93 -0.75	49.67 1.92 -0.58	68.42 2.85 -1.36	57.28 2.53 -1.03	56.47 2.54 -0.55	53.19 2.44 -0.82	53.18 2.36 -0.74	51.54 2.26 -0.81	53.26 2.28 -0.78	51.45 2.22 -0.80	43.75 1.87 -0.55	38.06 1.47 -0.28	36.39 1.34 -0.09
DERFIELD_115KV_TB7 355931	26.98 0.11 0.00	30.71 0.11 0.00	32.30 0.12 0.00	28.50 0.10 0.00	31.66 0.11 0.00	35.41 0.07 0.00	36.87 0.04 0.00	34.88 0.07 0.00	37.51 0.07 0.00	47.08 0.09 0.00	45.15 0.12 0.00	49.49 0.15 0.00	47.38 0.20 0.00	64.59 0.38 0.00	54.02 0.30 0.00	53.71 0.33 0.00	50.25 0.32 0.00	50.39 0.30 0.00	48.76 0.29 0.00	50.50 0.30 0.00	48.75 0.33 0.00	41.62 0.29 0.00	36.50 0.19 0.00	35.13 0.17 0.00
DOGLEVILLE___HYD 23807	27.25 0.38 0.00	30.94 0.34 0.00	32.45 0.27 0.00	28.56 0.17 0.00	31.74 0.19 0.00	35.43 0.09 0.00	36.83 -0.01 0.00	35.13 0.32 0.00	37.65 0.21 0.00	47.31 0.32 0.00	45.71 0.68 0.00	50.04 0.71 0.00	48.28 1.11 0.00	65.91 1.69 0.00	54.67 0.96 0.00	54.70 1.32 0.00	50.85 0.92 0.00	50.71 0.62 0.00	49.41 0.94 0.00	51.44 1.24 0.00	49.89 1.46 0.00	42.43 1.10 0.00	37.04 0.73 0.00	35.69 0.74 0.00
DUNKIRK___115KV_TB_200 55889	26.58 -0.29 0.00	29.58 -0.61 0.40	32.12 -0.06 0.00	28.93 -0.23 -0.76	31.33 -0.22 0.00	36.92 -0.07 -1.64	39.09 0.46 -1.79	35.23 0.42 0.00	38.49 1.06 0.00	48.30 1.31 0.00	46.02 0.98 0.00	50.40 1.06 0.00	47.68 0.51 0.00	65.61 1.39 0.00	55.61 1.89 0.00	54.97 1.59 0.00	51.94 2.01 0.00	52.01 1.92 0.00	50.29 1.83 0.00	52.35 2.14 0.00	50.60 2.18 0.00	43.55 2.22 0.00	37.53 1.22 0.00	35.70 0.75 0.00
DUNKIRK___1 23563	26.58 -0.29 0.00	29.58 -0.61 0.40	32.12 -0.06 0.00	28.93 -0.23 -0.76	31.33 -0.22 0.00	36.92 -0.07 -1.64	39.09 0.46 -1.79	35.23 0.42 0.00	38.49 1.06 0.00	48.30 1.31 0.00	46.02 0.98 0.00	50.40 1.06 0.00	47.68 0.51 0.00	65.61 1.39 0.00	55.61 1.89 0.00	54.97 1.59 0.00	51.94 2.01 0.00	52.01 1.92 0.00	50.29 1.83 0.00	52.35 2.14 0.00	50.60 2.18 0.00	43.55 2.22 0.00	37.53 1.22 0.00	35.70 0.75 0.00
DUNKIRK___2 23564	26.58 -0.29 0.00	29.58 -0.61 0.40	32.12 -0.06 0.00	28.93 -0.23 -0.76	31.33 -0.22 0.00	36.92 -0.07 -1.64	39.09 0.46 -1.79	35.23 0.42 0.00	38.49 1.06 0.00	48.30 1.31 0.00	46.02 0.98 0.00	50.40 1.06 0.00	47.68 0.51 0.00	65.61 1.39 0.00	55.61 1.89 0.00	54.97 1.59 0.00	51.94 2.01 0.00	52.01 1.92 0.00	50.29 1.83 0.00	52.35 2.14 0.00	50.60 2.18 0.00	43.55 2.22 0.00	37.53 1.22 0.00	35.70 0.75 0.00
DUNKIRK___3 23565	26.65 -0.22 0.00	29.66 -0.51 0.42	32.13 -0.05 0.00	28.88 -0.21 -0.69	31.40 -0.15 0.00	36.77 -0.05 -1.48	38.88 0.43 -1.61	35.14 0.33 0.00	38.35 0.91 0.00	48.14 1.15 0.00	45.92 0.89 0.00	50.26 0.92 0.00	47.48 0.31 0.00	65.36 1.14 0.00	55.39 1.68 0.00	54.74 1.36 0.00	51.68 1.74 0.00	51.75 1.67 0.00	50.06 1.60 0.00	52.08 1.89 0.00	50.34 1.91 0.00	43.34 2.01 0.00	37.43 1.11 0.00	35.59 0.64 0.00
DUNKIRK___4 23566	26.65 -0.22 0.00	29.66 -0.51 0.42	32.13 -0.05 0.00	28.88 -0.21 -0.69	31.40 -0.15 0.00	36.77 -0.05 -1.48	38.88 0.43 -1.61	35.14 0.33 0.00	38.35 0.91 0.00	48.14 1.15 0.00	45.92 0.89 0.00	50.26 0.92 0.00	47.48 0.31 0.00	65.36 1.14 0.00	55.39 1.68 0.00	54.74 1.36 0.00	51.68 1.74 0.00	51.75 1.67 0.00	50.06 1.60 0.00	52.08 1.89 0.00	50.34 1.91 0.00	43.34 2.01 0.00	37.43 1.11 0.00	35.59 0.64 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	28.62 1.75 0.00	32.32 1.73 0.00	33.74 1.56 0.00	29.74 1.35 0.00	32.94 1.39 0.00	36.79 1.45 0.00	38.34 1.51 0.00	36.71 1.90 0.00	39.64 2.21 0.00	49.99 3.01 0.00	48.02 2.99 0.00	52.74 3.40 0.00	50.80 3.62 0.00	69.65 5.43 0.00	116.27 4.83 -57.72	97.40 5.24 -38.78	118.38 4.99 -63.46	109.96 4.88 -54.99	81.12 4.51 -28.14	106.74 4.15 -52.40	52.89 3.82 -0.64	62.52 3.01 -18.18	38.84 2.53 0.00	37.46 2.51 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	28.39 1.52 0.00	32.09 1.50 0.00	33.55 1.38 0.00	29.57 1.18 0.00	32.77 1.22 0.00	36.66 1.32 0.00	38.20 1.36 0.00	36.53 1.71 0.00	39.44 2.01 0.00	49.77 2.78 0.00	47.85 2.82 0.00	52.48 3.14 0.00	50.51 3.33 0.00	69.20 4.98 0.00	47.05 4.44 11.11	66.97 4.85 -8.73	78.18 4.62 -23.62	84.06 4.54 -29.43	64.12 4.13 -11.53	42.33 3.78 11.66	51.82 3.53 0.14	40.19 2.81 3.95	38.59 2.28 0.00	37.17 2.22 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	28.69 1.82 0.00	32.35 1.76 0.00	33.76 1.58 0.00	29.82 1.42 0.00	32.94 1.39 0.00	36.79 1.45 0.00	38.35 1.52 0.00	36.71 1.90 0.00	39.63 2.19 0.00	49.87 2.89 0.00	47.83 2.80 0.00	52.59 3.26 0.01	50.76 3.59 0.01	69.42 5.20 0.00	116.07 4.61 -57.74	97.18 5.00 -38.80	118.17 4.76 -63.48	109.74 4.64 -55.02	80.83 4.21 -28.15	106.51 3.89 -52.42	52.74 3.66 -0.64	62.47 2.95 -18.19	38.81 2.50 0.00	37.44 2.49 0.00
E179THST_13_KV_LOAD 356214	28.86 1.99 0.00	32.54 1.94 0.00	33.96 1.77 0.00	29.98 1.59 0.00	33.12 1.58 0.00	37.01 1.66 0.00	38.59 1.76 0.00	36.94 2.13 0.00	39.89 2.46 0.00	50.22 3.23 0.00	48.16 3.13 0.00	52.98 3.65 0.01	51.13 3.96 0.01	69.93 5.71 0.00	116.51 5.05 -57.74	97.62 5.44 -38.80	118.58 5.17 -63.48	110.16 5.06 -55.02	81.24 4.62 -28.15	106.93 4.30 -52.42	53.15 4.07 -0.64	62.82 3.30 -18.19	39.09 2.78 0.00	37.69 2.74 0.00
EAST HAMPTON___GT 23717	30.44 3.57 0.00	34.32 3.72 0.00	35.65 3.47 0.00	31.29 2.89 0.00	34.68 3.14 0.00	38.84 3.49 0.00	40.76 3.92 0.00	39.30 4.49 0.00	42.62 5.19 0.00	59.97 7.30 -5.67	74.69 7.35 -22.31	81.01 8.59 -23.09	82.84 8.01 -27.66	91.54 11.40 -15.92	166.15 10.02 -102.41	140.26 9.51 -77.37	211.17 9.02 -152.21	401.87 9.35 -342.44	170.91 8.79 -113.66	141.62 8.59 -82.83	107.32 8.10 -50.79	81.47 6.18 -33.96	41.31 5.01 0.00	49.16 5.37 -8.84
EAST RIVER___6 23660	28.77 1.90 0.00	32.44 1.85 0.00	33.84 1.66 0.00	29.85 1.46 0.00	33.05 1.50 0.00	36.90 1.55 0.00	38.48 1.64 0.00	36.89 2.08 0.00	39.86 2.43 0.00	50.22 3.24 0.00	48.19 3.16 0.00	52.91 3.57 0.00	50.99 3.82 0.00	69.94 5.72 0.00	116.63 5.16 -57.75	97.78 5.59 -38.80	118.75 5.33 -63.49	110.28 5.18 -55.02	81.40 4.78 -28.15	106.99 4.36 -52.43	53.10 4.03 -0.64	62.71 3.19 -18.19	39.08 2.77 0.00	37.73 2.78 0.00

EAST RIVER___7 23524	28.77 1.90 0.00	32.44 1.85 0.00	33.84 1.66 0.00	29.85 1.46 0.00	33.05 1.50 0.00	36.90 1.55 0.00	38.48 1.64 0.00	36.89 2.08 0.00	39.86 2.43 0.00	50.22 3.24 0.00	48.19 3.16 0.00	52.91 3.57 0.00	50.99 3.82 0.00	69.94 5.72 0.00	116.63 5.16 -57.75	97.78 5.59 -38.80	118.75 5.33 -63.49	110.28 5.18 -55.02	81.40 4.78 -28.15	106.99 4.36 -52.43	53.10 4.03 -0.64	62.71 3.19 -18.19	39.08 2.77 0.00	37.73 2.78 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	28.54 1.67 0.00	32.24 1.64 0.00	33.66 1.48 0.00	29.67 1.28 0.00	32.86 1.32 0.00	36.72 1.38 0.00	38.27 1.43 0.00	36.63 1.82 0.00	39.55 2.12 0.00	49.89 2.91 0.00	47.95 2.92 0.00	52.67 3.33 0.00	50.71 3.54 0.00	69.53 5.31 0.00	117.61 4.73 -59.17	98.28 5.13 -39.77	119.87 4.86 -65.08	111.25 4.76 -56.41	81.73 4.40 -28.86	108.53 4.03 -54.30	52.81 3.72 -0.66	62.89 2.92 -18.64	38.75 2.44 0.00	37.38 2.43 0.00
EAST_HAMPTON___DIESEL 23722	30.44 3.57 0.00	34.32 3.72 0.00	35.65 3.47 0.00	31.29 2.90 0.00	34.68 3.14 0.00	38.84 3.50 0.00	40.76 3.92 0.00	39.31 4.50 0.00	42.64 5.20 0.00	59.99 7.33 -5.67	74.71 7.37 -22.31	81.03 8.60 -23.09	82.88 8.05 -27.66	91.60 11.47 -15.92	166.18 10.06 -102.41	140.29 9.54 -77.37	211.19 9.05 -152.20	401.90 9.38 -342.43	170.93 8.82 -113.65	141.66 8.63 -82.82	107.36 8.14 -50.79	81.51 6.21 -33.96	41.34 5.03 0.00	49.19 5.39 -8.84
EAST_PULASKI___ESR 323781	26.22 -0.65 0.00	29.79 -0.81 0.00	31.45 -0.73 0.00	27.78 -0.61 0.00	31.00 -0.55 0.00	35.01 -0.33 0.00	36.64 -0.20 0.00	34.62 -0.19 0.00	37.17 -0.27 0.00	47.20 -0.52 -0.73	50.08 -0.52 -5.57	55.16 -0.56 -6.39	51.75 -0.36 -4.93	75.59 -0.19 -11.56	62.53 0.01 -8.79	57.88 -0.20 -4.70	56.77 -0.15 -6.98	56.37 -0.02 -6.30	55.53 0.14 -6.92	57.09 0.28 -6.61	55.64 0.40 -6.82	46.36 0.36 -4.67	38.74 0.04 -2.40	35.57 -0.17 -0.78
EAST_RIVER___1 323558	28.70 1.83 0.00	32.37 1.78 0.00	33.78 1.60 0.00	29.80 1.40 0.00	32.98 1.44 0.00	36.83 1.48 0.00	38.37 1.53 0.00	36.77 1.96 0.00	39.73 2.30 0.00	50.08 3.10 0.00	48.07 3.04 0.00	52.83 3.49 0.00	50.90 3.73 0.00	69.84 5.62 0.00	116.49 5.02 -57.75	97.58 5.40 -38.80	118.56 5.14 -63.49	110.12 5.01 -55.02	81.24 4.63 -28.15	106.86 4.23 -52.43	52.95 3.88 -0.64	62.59 3.07 -18.19	38.93 2.62 0.00	37.57 2.62 0.00
EAST_RIVER___2 323559	28.77 1.90 0.00	32.44 1.85 0.00	33.84 1.66 0.00	29.85 1.46 0.00	33.05 1.50 0.00	36.90 1.55 0.00	38.48 1.64 0.00	36.89 2.08 0.00	39.86 2.43 0.00	50.22 3.24 0.00	48.19 3.16 0.00	52.91 3.57 0.00	50.99 3.82 0.00	69.94 5.72 0.00	116.63 5.16 -57.75	97.78 5.59 -38.80	118.75 5.33 -63.49	110.28 5.18 -55.02	81.40 4.78 -28.15	106.99 4.36 -52.43	53.10 4.03 -0.64	62.71 3.19 -18.19	39.08 2.77 0.00	37.73 2.78 0.00
EAST___DELAWARE_HYD 23607	28.05 1.18 0.00	31.72 1.12 0.00	33.15 0.97 0.00	29.19 0.80 0.00	32.36 0.81 0.00	36.21 0.87 0.00	37.85 1.01 0.00	36.81 2.00 0.00	39.76 2.33 0.00	50.25 3.26 0.00	48.63 3.60 0.00	53.40 4.06 0.00	51.16 3.99 0.00	68.61 4.39 0.00	47.65 4.03 10.09	54.86 4.37 2.89	50.65 3.20 2.48	53.31 3.23 0.00	50.46 2.85 0.85	44.69 2.42 7.93	50.61 2.29 0.11	40.66 2.61 3.29	38.33 2.02 0.00	36.88 1.93 0.00
EIGHT_POINT___WT_PWR 323820	25.89 -0.98 0.00	30.73 -1.26 -1.39	31.00 -1.19 0.00	36.34 -1.27 -9.21	30.17 -1.38 0.00	54.82 -1.43 -20.91	59.04 -0.90 -23.10	33.91 -0.91 0.00	36.84 -0.60 0.00	47.01 -0.07 -0.09	46.31 0.57 -0.71	50.54 0.39 -0.81	46.94 -0.86 -0.63	65.47 -0.23 -1.47	54.92 0.08 -1.12	53.76 -0.22 -0.60	51.46 0.63 -0.89	51.35 0.46 -0.80	50.23 0.88 -0.88	52.67 1.63 -0.84	51.41 2.12 -0.86	44.05 2.13 -0.59	37.86 1.25 -0.30	35.67 0.61 -0.10
ELBRIDGE_115KV_TB2 80188	26.67 -0.20 0.00	30.26 -0.34 0.00	31.87 -0.31 0.00	28.10 -0.29 0.00	31.25 -0.30 0.00	35.14 -0.21 0.00	36.70 -0.13 0.00	34.69 -0.12 0.00	37.43 0.00 0.00	47.55 0.07 -0.49	48.92 0.13 -3.76	53.81 0.16 -4.32	50.58 0.07 -3.33	72.37 0.34 -7.81	60.13 0.47 -5.94	56.95 0.40 -3.17	55.11 0.46 -4.72	54.76 0.42 -4.26	53.57 0.43 -4.68	55.10 0.44 -4.46	53.47 0.44 -4.60	44.91 0.43 -3.15	38.15 0.22 -1.62	35.49 0.01 -0.53
ELEC_TRO_TEK 24086	28.93 2.06 0.00	32.65 2.05 0.00	33.97 1.78 0.00	29.90 1.50 0.00	33.13 1.58 0.00	37.03 1.69 0.00	38.61 1.78 0.00	37.03 2.21 0.00	39.98 2.55 0.00	54.25 3.57 -3.69	70.49 3.61 -21.85	76.49 4.06 -23.09	78.93 4.18 -27.58	80.62 6.18 -10.22	120.41 5.44 -61.26	103.26 5.65 -44.23	126.14 5.42 -70.79	129.36 5.42 -73.85	98.07 5.01 -44.59	117.30 4.64 -62.46	83.55 4.38 -30.74	78.74 3.44 -33.96	39.11 2.79 0.00	46.71 2.92 -8.84
ELLENBURG_WT_PWR 323604	26.76 -0.11 0.00	30.79 0.19 0.00	32.36 0.18 0.00	28.61 0.21 0.00	31.80 0.26 0.00	35.68 0.33 0.00	36.98 0.15 0.00	34.78 -0.03 0.00	37.17 -0.27 0.00	46.18 -0.81 0.00	44.02 -1.01 0.00	48.13 -1.21 0.00	45.90 -1.28 0.00	61.94 -2.28 0.00	51.36 -2.36 0.00	50.69 -2.70 0.00	47.38 -2.55 0.00	47.69 -2.39 0.00	46.29 -2.17 0.00	48.14 -2.06 0.00	46.21 -2.22 0.00	39.27 -2.06 0.00	34.70 -1.61 0.00	33.42 -1.53 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	26.78 -0.09 0.00	29.70 -0.45 0.45	32.15 -0.03 0.00	28.99 -0.13 -0.73	31.54 0.00 0.00	36.92 0.02 -1.56	38.97 0.43 -1.70	34.95 0.14 0.00	38.11 0.68 0.00	47.86 0.88 0.00	45.69 0.65 0.00	50.01 0.67 0.00	47.06 -0.11 0.00	64.53 0.31 0.00	54.69 0.97 0.00	53.96 0.57 0.00	50.94 1.01 0.00	51.13 1.05 0.00	49.57 1.11 0.00	51.66 1.46 0.00	49.94 1.51 0.00	43.06 1.73 0.00	37.31 1.00 0.00	35.46 0.51 0.00
EMPIRE_CC_1 323656	27.76 0.89 0.00	31.53 0.93 0.00	33.11 0.92 0.00	29.22 0.83 0.00	32.41 0.86 0.00	36.19 0.85 0.00	37.57 0.73 0.00	35.71 0.90 0.00	38.29 0.86 0.00	48.12 1.14 0.00	46.20 1.17 0.00	50.50 1.17 0.00	48.59 1.42 0.00	66.25 2.03 0.00	76.09 1.48 -20.89	70.12 1.89 -14.84	76.36 1.68 -24.75	73.61 1.62 -21.90	61.06 1.56 -11.03	70.12 1.53 -18.39	50.21 1.56 -0.23	49.04 1.14 -6.56	37.42 1.11 0.00	36.07 1.12 0.00
EMPIRE_CC_2 323658	27.76 0.89 0.00	31.53 0.93 0.00	33.11 0.92 0.00	29.22 0.83 0.00	32.41 0.86 0.00	36.19 0.85 0.00	37.57 0.73 0.00	35.71 0.90 0.00	38.29 0.86 0.00	48.12 1.14 0.00	46.20 1.17 0.00	50.50 1.17 0.00	48.59 1.42 0.00	66.25 2.03 0.00	76.09 1.48 -20.89	70.12 1.89 -14.84	76.36 1.68 -24.75	73.61 1.62 -21.90	61.06 1.56 -11.03	70.12 1.53 -18.39	50.21 1.56 -0.23	49.04 1.14 -6.56	37.42 1.11 0.00	36.07 1.12 0.00
ENORWICH_115KV_TB1 80156	28.40 1.53 0.00	32.29 1.63 -0.07	33.88 1.70 0.00	29.86 1.47 0.00	33.29 1.75 0.00	36.46 1.95 0.84	38.19 2.27 0.92	37.14 2.33 0.00	40.21 2.77 0.00	50.51 3.33 -0.19	50.25 3.79 -1.43	55.30 4.32 -1.64	52.55 4.10 -1.27	73.69 6.50 -2.97	61.72 5.74 -2.26	59.73 5.15 -1.21	57.03 5.31 -1.79	57.03 5.33 -1.62	55.29 5.05 -1.78	57.30 5.40 -1.70	55.52 5.35 -1.75	47.04 4.51 -1.20	40.29 3.36 -0.62	38.09 2.94 -0.20

ERIE_ST__34_KV_TB1-2 80199	27.10 0.23 0.00	30.14 -0.08 0.37	32.48 0.30 0.00	29.26 0.12 -0.75	31.84 0.29 0.00	37.32 0.36 -1.62	39.40 0.83 -1.73	35.39 0.58 0.00	38.61 1.18 0.00	48.54 1.55 0.00	46.43 1.40 0.00	50.84 1.50 0.00	47.91 0.74 0.00	65.76 1.54 0.00	55.70 1.98 0.00	54.94 1.56 0.00	51.86 1.92 0.00	52.02 1.93 0.00	50.40 1.94 0.00	52.46 2.26 0.00	50.67 2.24 0.00	43.64 2.31 0.00	37.74 1.44 0.00	35.85 0.89 0.00
ERIE_WT_PWR 323693	26.90 0.03 0.00	29.88 -0.29 0.42	32.25 0.07 0.00	29.08 -0.07 -0.76	31.62 0.08 0.00	37.07 0.10 -1.63	39.16 0.53 -1.79	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.99 0.96 0.00	50.37 1.03 0.00	47.39 0.22 0.00	65.01 0.79 0.00	55.05 1.33 0.00	54.31 0.92 0.00	51.29 1.36 0.00	51.49 1.40 0.00	49.88 1.42 0.00	51.99 1.79 0.00	50.24 1.82 0.00	43.32 1.99 0.00	37.51 1.20 0.00	35.65 0.69 0.00
ESPRGFLD_115KV_TB1 80157	28.36 1.49 0.00	32.20 1.60 0.00	33.85 1.67 0.00	29.84 1.44 0.00	33.28 1.74 0.00	37.37 2.03 0.00	39.12 2.28 0.00	37.00 2.19 0.00	39.90 2.47 0.00	49.98 2.99 0.00	48.01 2.97 0.00	52.56 3.22 0.00	50.11 2.94 0.00	68.43 4.21 0.00	64.75 3.54 -7.50	58.95 3.42 -2.15	55.11 3.33 -1.85	53.35 3.26 0.00	52.52 3.43 -0.63	59.87 3.78 -5.89	52.33 3.82 -0.08	47.10 3.33 -2.44	38.95 2.64 0.00	37.26 2.31 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	27.33 0.46 0.00	31.13 0.41 -0.12	32.64 0.46 0.00	28.76 0.36 0.00	32.00 0.46 0.00	35.96 0.62 0.00	37.62 0.79 0.00	35.62 0.81 0.00	38.45 1.02 0.00	48.51 1.27 -0.26	48.46 1.45 -1.98	53.16 1.54 -2.27	50.38 1.45 -1.76	70.71 2.38 -4.12	59.15 2.30 -3.13	57.20 2.14 -1.67	54.51 2.09 -2.48	54.45 2.13 -2.24	52.99 2.06 -2.47	54.78 2.23 -2.35	53.05 2.20 -2.43	44.91 1.91 -1.66	38.51 1.35 -0.85	36.25 1.02 -0.28
ETNA____115KV_TB2 80207	27.33 0.46 0.00	31.13 0.41 -0.12	32.64 0.46 0.00	28.76 0.36 0.00	32.00 0.46 0.00	35.96 0.62 0.00	37.62 0.79 0.00	35.62 0.81 0.00	38.45 1.02 0.00	48.51 1.27 -0.26	48.46 1.45 -1.98	53.16 1.54 -2.27	50.38 1.45 -1.76	70.71 2.38 -4.12	59.15 2.30 -3.13	57.20 2.14 -1.67	54.51 2.09 -2.48	54.45 2.13 -2.24	52.99 2.06 -2.47	54.78 2.23 -2.35	53.05 2.20 -2.43	44.91 1.91 -1.66	38.51 1.35 -0.85	36.25 1.02 -0.28
EUCLID____115KV_TB2 356179	26.38 -0.49 0.00	29.93 -0.67 0.00	31.54 -0.65 0.00	27.79 -0.60 0.00	30.96 -0.59 0.00	34.82 -0.52 0.00	36.39 -0.44 0.00	34.40 -0.41 0.00	37.10 -0.33 0.00	46.83 -0.37 -0.21	46.39 -0.27 -1.62	50.93 -0.27 -1.86	48.30 -0.32 -1.44	67.38 -0.21 -3.37	56.27 -0.01 -2.57	54.68 -0.07 -1.37	51.98 0.01 -2.04	51.90 -0.03 -1.84	50.49 0.01 -2.02	52.13 0.01 -1.93	50.43 0.01 -1.99	42.75 0.05 -1.36	36.85 -0.16 -0.70	34.87 -0.31 -0.23
E_CANADA_CAP_HY 24051	28.87 2.00 0.00	32.77 2.17 0.00	34.40 2.22 0.00	30.35 1.96 0.00	33.89 2.35 0.00	38.03 2.70 0.00	39.81 2.97 0.00	37.65 2.83 0.00	40.50 3.06 0.00	50.62 3.63 0.00	48.51 3.48 0.00	53.01 3.67 0.00	50.48 3.31 0.00	68.66 4.45 0.00	68.52 3.53 -11.27	65.08 3.52 -8.19	67.08 3.40 -13.74	65.64 3.30 -12.25	58.29 3.69 -6.14	62.92 4.20 -8.52	53.01 4.46 -0.12	48.76 3.89 -3.53	39.49 3.18 0.00	37.78 2.83 0.00
E_CANADA_MHWK_HY 24050	27.25 0.38 0.00	30.94 0.34 0.00	32.45 0.27 0.00	28.56 0.17 0.00	31.74 0.19 0.00	35.43 0.09 0.00	36.83 -0.01 0.00	35.13 0.32 0.00	37.65 0.21 0.00	47.31 0.32 0.00	45.71 0.68 0.00	50.04 0.71 0.00	48.28 1.11 0.00	65.91 1.69 0.00	54.67 0.96 0.00	54.70 1.32 0.00	50.85 0.92 0.00	50.71 0.62 0.00	49.41 0.94 0.00	51.44 1.24 0.00	49.89 1.46 0.00	42.43 1.10 0.00	37.04 0.73 0.00	35.69 0.74 0.00
E_FISHKILL____LBMP 23776	28.36 1.49 0.00	32.08 1.49 0.00	33.54 1.36 0.00	29.57 1.18 0.00	32.76 1.21 0.00	36.62 1.27 0.00	38.13 1.29 0.00	36.45 1.64 0.00	39.30 1.86 0.00	49.54 2.56 0.00	47.63 2.60 0.00	52.23 2.90 0.00	50.28 3.11 0.00	68.82 4.60 0.00	101.71 4.05 -43.94	87.22 4.44 -29.39	102.17 4.21 -48.02	95.70 4.07 -41.55	73.53 3.78 -21.29	90.58 3.47 -36.91	52.15 3.24 -0.48	57.72 2.54 -13.84	38.44 2.13 0.00	37.09 2.14 0.00
FALCON____SEABRD_CC1 323796	27.04 0.17 0.00	31.09 0.50 0.00	32.69 0.51 0.00	28.91 0.52 0.00	32.14 0.59 0.00	36.07 0.73 0.00	37.40 0.56 0.00	35.08 0.27 0.00	37.35 -0.08 0.00	46.09 -0.90 0.00	43.68 -1.35 0.00	47.62 -1.72 0.00	45.40 -1.77 0.00	61.28 -2.94 0.00	50.73 -2.99 0.00	50.16 -3.22 0.00	46.85 -3.09 0.00	47.02 -3.06 0.00	45.66 -2.80 0.00	47.53 -2.67 0.00	45.64 -2.79 0.00	38.74 -2.59 0.00	34.21 -2.10 0.00	32.93 -2.02 0.00
FALCON____SEABRD_CC2 323797	27.04 0.17 0.00	31.09 0.50 0.00	32.69 0.51 0.00	28.91 0.52 0.00	32.14 0.59 0.00	36.07 0.73 0.00	37.40 0.56 0.00	35.08 0.27 0.00	37.35 -0.08 0.00	46.09 -0.90 0.00	43.68 -1.35 0.00	47.62 -1.72 0.00	45.40 -1.77 0.00	61.28 -2.94 0.00	50.73 -2.99 0.00	50.16 -3.22 0.00	46.85 -3.09 0.00	47.02 -3.06 0.00	45.66 -2.80 0.00	47.53 -2.67 0.00	45.64 -2.79 0.00	38.74 -2.59 0.00	34.21 -2.10 0.00	32.93 -2.02 0.00
FAR ROCKAWAY____4 23548	29.09 2.22 0.00	32.79 2.19 0.00	34.08 1.90 0.00	29.99 1.60 0.00	33.23 1.68 0.00	37.15 1.81 0.00	38.74 1.91 0.00	37.16 2.35 0.00	40.18 2.75 0.00	58.08 3.92 -7.17	71.60 3.92 -22.65	76.92 4.49 -23.09	79.40 4.65 -27.58	81.28 6.84 -10.22	121.05 6.08 -61.26	104.00 6.38 -44.23	126.88 6.15 -70.79	130.10 6.16 -73.85	98.91 5.85 -44.59	118.18 5.52 -62.46	84.40 5.23 -30.74	79.42 4.13 -33.96	39.62 3.31 0.00	47.35 3.56 -8.84
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	28.73 1.86 0.00	32.40 1.81 0.00	33.80 1.62 0.00	29.82 1.42 0.00	33.01 1.46 0.00	36.85 1.51 0.00	38.40 1.56 0.00	36.80 1.99 0.00	39.75 2.32 0.00	50.11 3.12 0.00	48.10 3.07 0.00	52.87 3.53 0.00	50.93 3.76 0.00	69.88 5.66 0.00	116.50 5.04 -57.75	97.61 5.43 -38.80	118.60 5.18 -63.49	110.15 5.04 -55.02	81.27 4.65 -28.15	106.89 4.26 -52.43	52.98 3.91 -0.64	62.63 3.11 -18.19	38.94 2.63 0.00	37.59 2.64 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	28.75 1.88 0.00	32.43 1.84 0.00	33.84 1.66 0.00	29.84 1.45 0.00	33.04 1.49 0.00	36.88 1.54 0.00	38.43 1.59 0.00	36.82 2.01 0.00	39.77 2.34 0.00	50.14 3.15 0.00	48.14 3.11 0.00	52.90 3.57 0.00	50.98 3.81 0.00	69.94 5.73 0.00	116.57 5.10 -57.75	97.67 5.49 -38.80	118.66 5.24 -63.49	110.21 5.11 -55.02	81.34 4.72 -28.15	106.97 4.34 -52.43	53.05 3.98 -0.64	62.68 3.16 -18.19	39.01 2.70 0.00	37.63 2.68 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	28.70 1.83 0.00	32.39 1.79 0.00	33.78 1.60 0.00	29.80 1.41 0.00	32.98 1.44 0.00	36.84 1.49 0.00	38.38 1.54 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.08 3.09 0.00	48.07 3.04 0.00	52.83 3.49 0.00	50.89 3.72 0.00	69.83 5.61 0.00	116.46 5.00 -57.75	97.57 5.39 -38.80	118.55 5.13 -63.49	110.10 5.00 -55.02	81.23 4.61 -28.15	106.86 4.23 -52.43	52.93 3.86 -0.64	62.59 3.07 -18.19	38.92 2.61 0.00	37.56 2.61 0.00

FARRAGUT___LBMP 323566	28.68 1.81 0.00	32.36 1.77 0.00	33.76 1.58 0.00	29.78 1.38 0.00	32.96 1.41 0.00	36.79 1.46 0.00	38.33 1.49 0.00	36.73 1.92 0.00	39.66 2.23 0.00	50.00 3.01 0.00	48.01 2.98 0.00	52.74 3.40 0.00	50.83 3.65 0.00	69.73 5.51 0.00	116.37 4.91 -57.75	97.47 5.29 -38.80	118.47 5.05 -63.49	110.02 4.91 -55.02	81.16 4.54 -28.15	106.78 4.15 -52.43	52.87 3.80 -0.64	62.53 3.01 -18.19	38.87 2.56 0.00	37.52 2.57 0.00
FENNER___WINDPWR 24204	27.18 0.31 0.00	30.85 0.25 0.00	32.46 0.28 0.00	28.60 0.21 0.00	31.87 0.32 0.00	35.85 0.51 0.00	37.46 0.63 0.00	35.46 0.65 0.00	38.23 0.80 0.00	48.19 1.01 -0.20	47.68 1.13 -1.52	52.45 1.37 -1.74	49.90 1.38 -1.35	69.59 2.22 -3.16	57.98 1.86 -2.40	56.53 1.86 -1.28	53.57 1.73 -1.91	53.56 1.75 -1.72	52.14 1.79 -1.89	53.97 1.96 -1.80	52.25 1.96 -1.86	44.31 1.70 -1.28	38.16 1.19 -0.66	36.12 0.95 -0.21
FIBERTEK___ENERGY 23856	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.20 0.35 -4.38	54.74 0.36 -4.18	53.13 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
FITZPATRICK____ 23598	25.99 -0.88 0.00	29.51 -1.08 0.00	31.10 -1.08 0.00	27.42 -0.98 0.00	30.51 -1.04 0.00	34.26 -1.08 0.00	35.77 -1.07 0.00	33.81 -1.00 0.00	36.43 -1.00 0.00	43.22 -1.24 2.53	24.57 -1.15 19.31	25.93 -1.24 22.17	28.83 -1.22 17.13	22.59 -1.50 40.13	22.04 -1.15 30.52	35.89 -1.20 16.29	24.64 -1.06 24.23	27.12 -1.08 21.88	23.42 -1.02 24.03	26.24 -1.03 22.92	23.79 -0.97 23.66	24.32 -0.81 16.20	27.13 -0.85 8.33	31.29 -0.93 2.73
FLOWRFLD_69_KV_BK1 356044	29.29 2.42 0.00	33.09 2.50 0.00	34.38 2.20 0.00	30.19 1.80 0.00	33.46 1.91 0.00	37.41 2.08 0.00	39.15 2.31 0.00	37.62 2.81 0.00	40.58 3.14 0.00	57.22 4.56 -5.67	71.93 4.59 -22.31	77.64 5.22 -23.09	80.26 5.40 -27.69	89.70 7.69 -17.80	182.15 6.70 -121.73	177.75 6.56 -117.82	305.04 6.27 -248.83	577.75 6.30 -521.36	285.39 5.85 -231.08	147.05 5.51 -91.34	112.01 5.45 -58.14	79.50 4.20 -33.96	39.60 3.29 0.00	47.28 3.49 -8.84
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	28.77 1.90 0.00	32.52 1.92 0.00	33.99 1.81 0.00	29.94 1.55 0.00	33.18 1.64 0.00	37.12 1.78 0.00	38.70 1.86 0.00	37.01 2.20 0.00	39.97 2.54 0.00	50.47 3.48 0.00	48.58 3.55 0.00	53.27 3.94 0.00	51.30 4.13 0.00	70.33 6.11 0.00	74.82 5.38 -15.72	77.21 5.81 -18.02	89.23 5.51 -33.78	88.87 5.39 -33.40	68.86 4.93 -15.47	66.22 4.57 -11.45	52.87 4.29 -0.16	49.47 3.39 -4.74	39.11 2.80 0.00	37.66 2.71 0.00
FORT ORANGE____ 23900	27.65 0.79 0.00	31.42 0.82 0.00	32.98 0.80 0.00	29.10 0.71 0.00	32.29 0.74 0.00	36.10 0.75 0.00	37.50 0.66 0.00	35.59 0.78 0.00	38.10 0.67 0.00	47.79 0.80 0.00	45.75 0.72 0.00	50.04 0.71 0.00	48.10 0.93 0.00	65.74 1.52 0.00	71.07 1.23 -16.12	66.87 1.55 -11.94	71.51 1.40 -20.18	69.46 1.27 -18.10	58.71 1.23 -9.02	65.63 1.16 -14.27	49.78 1.18 -0.18	47.25 0.87 -5.05	37.19 0.88 0.00	35.93 0.98 0.00
FORT_DRUM_COGEN 23780	26.39 -0.48 0.00	30.10 -0.49 0.00	31.73 -0.45 0.00	28.06 -0.33 0.00	31.68 0.13 0.00	36.43 1.09 0.00	38.27 1.43 0.00	36.10 1.29 0.00	38.37 0.93 0.00	47.69 0.33 -0.37	47.91 0.07 -2.80	52.59 0.04 -3.21	50.50 0.85 -2.48	71.85 1.82 -5.82	59.89 1.75 -4.42	57.01 1.27 -2.36	54.58 1.13 -3.51	54.80 1.54 -3.17	54.06 2.11 -3.48	56.13 2.61 -3.32	54.58 2.73 -3.43	45.86 2.18 -2.35	38.99 1.47 -1.21	36.44 1.10 -0.39
FPL_FAR_ROCK_GT1 24212	29.09 2.22 0.00	32.79 2.19 0.00	34.08 1.90 0.00	29.99 1.60 0.00	33.23 1.68 0.00	37.15 1.81 0.00	38.75 1.91 0.00	37.15 2.35 0.00	40.19 2.75 0.00	58.08 3.92 -7.17	71.60 3.91 -22.66	76.91 4.49 -23.09	79.40 4.65 -27.58	81.26 6.83 -10.22	121.05 6.07 -61.26	103.98 6.37 -44.23	126.89 6.16 -70.79	130.09 6.15 -73.85	98.91 5.85 -44.59	118.19 5.52 -62.46	84.39 5.22 -30.74	79.42 4.13 -33.96	39.62 3.31 0.00	47.35 3.56 -8.84
FPL_FAR_ROCK_GT2 23815	29.09 2.22 0.00	32.79 2.19 0.00	34.08 1.90 0.00	29.99 1.60 0.00	33.23 1.68 0.00	37.15 1.81 0.00	38.75 1.91 0.00	37.15 2.35 0.00	40.19 2.75 0.00	58.08 3.92 -7.17	71.60 3.91 -22.66	76.91 4.49 -23.09	79.40 4.65 -27.58	81.26 6.83 -10.22	121.05 6.07 -61.26	103.98 6.37 -44.23	126.89 6.16 -70.79	130.09 6.15 -73.85	98.91 5.85 -44.59	118.19 5.52 -62.46	84.39 5.22 -30.74	79.42 4.13 -33.96	39.62 3.31 0.00	47.35 3.56 -8.84
FRANKLIN_FALL_HYD 24054	26.82 -0.06 0.00	30.78 0.18 0.00	32.35 0.16 0.00	28.59 0.20 0.00	31.84 0.29 0.00	35.73 0.39 0.00	37.14 0.30 0.00	34.97 0.16 0.00	37.44 0.01 0.00	46.65 -0.34 0.00	44.56 -0.47 0.00	48.77 -0.57 0.00	46.49 -0.68 0.00	62.71 -1.51 0.00	52.05 -1.67 0.00	51.24 -2.15 0.00	47.88 -2.05 0.00	48.17 -1.92 0.00	46.74 -1.72 0.00	48.70 -1.50 0.00	46.81 -1.62 0.00	39.89 -1.45 0.00	35.25 -1.06 0.00	33.89 -1.06 0.00
FREEPORT_EQUS_GT1 23764	29.21 2.34 0.00	32.93 2.34 0.00	34.24 2.06 0.00	30.12 1.73 0.00	33.37 1.83 0.00	37.31 1.97 0.00	38.93 2.09 0.00	37.36 2.55 0.00	40.33 2.90 0.00	40.53 3.91 10.37	67.47 3.81 -18.63	76.74 4.32 -23.09	79.22 4.47 -27.57	81.03 6.60 -10.22	120.75 5.77 -61.26	103.53 5.91 -44.23	126.46 5.73 -70.79	129.73 5.79 -73.85	98.42 5.36 -44.59	117.66 5.00 -62.46	83.91 4.74 -30.74	79.10 3.81 -33.96	39.47 3.16 0.00	47.10 3.31 -8.84
FREEPORT___CT2 23818	29.21 2.34 0.00	32.93 2.34 0.00	34.24 2.06 0.00	30.12 1.73 0.00	33.37 1.83 0.00	37.31 1.97 0.00	38.93 2.09 0.00	37.36 2.55 0.00	40.33 2.90 0.00	40.53 3.91 10.37	67.47 3.81 -18.63	76.74 4.32 -23.09	79.22 4.47 -27.57	81.03 6.60 -10.22	120.75 5.77 -61.26	103.53 5.91 -44.23	126.46 5.73 -70.79	129.73 5.79 -73.85	98.42 5.36 -44.59	117.66 5.00 -62.46	83.91 4.74 -30.74	79.10 3.81 -33.96	39.47 3.16 0.00	47.10 3.31 -8.84
FRESHKLS_33_KV_LOAD 356253	28.71 1.84 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.95 1.41 0.00	36.78 1.43 0.00	38.23 1.45 0.05	36.72 1.91 0.00	37.74 2.15 1.84	38.80 2.78 10.97	39.74 2.66 7.95	39.75 3.09 12.68	39.07 3.45 11.55	53.51 5.07 15.78	53.67 4.48 4.53	97.03 4.85 -38.80	118.14 4.73 -63.48	107.68 4.59 -53.01	80.84 4.22 -28.15	106.51 3.89 -52.42	55.00 3.62 -2.95	49.69 2.96 -5.40	38.43 2.54 0.42	37.55 2.60 0.00
FULTON COGEN____ 23766	26.33 -0.54 0.00	29.87 -0.72 0.00	31.51 -0.67 0.00	27.78 -0.62 0.00	30.93 -0.62 0.00	34.74 -0.60 0.00	36.31 -0.53 0.00	34.33 -0.48 0.00	37.00 -0.43 0.00	47.31 -0.51 -0.83	50.95 -0.40 -6.32	56.17 -0.43 -7.26	52.34 -0.44 -5.61	76.94 -0.42 -13.14	63.44 -0.28 -9.99	58.42 -0.30 -5.34	57.69 -0.18 -7.93	57.08 -0.17 -7.16	56.15 -0.18 -7.87	57.61 -0.09 -7.51	56.12 -0.06 -7.75	46.62 -0.01 -5.31	38.81 -0.23 -2.73	35.47 -0.37 -0.89



FULTON___LFGE 323630	29.65 2.78 0.00	33.54 2.95 0.00	35.22 3.04 0.00	31.07 2.68 0.00	34.64 3.09 0.00	38.89 3.55 0.00	40.77 3.93 0.00	38.76 3.95 0.00	41.66 4.23 0.00	52.13 5.15 0.00	50.63 5.60 0.00	53.86 4.53 0.00	51.81 4.63 0.00	69.33 5.11 0.00	69.93 3.46 -12.75	67.62 4.98 -9.26	68.56 3.07 -15.55	67.87 3.92 -13.87	60.32 4.91 -6.94	65.99 6.15 -9.65	54.85 6.29 -0.13	50.63 5.30 -4.00	40.56 4.25 0.00	38.70 3.74 0.00
G.F.CEMENT___DRP 24184	28.91 2.04 0.00	32.67 2.07 0.00	34.21 2.03 0.00	30.20 1.80 0.00	33.50 1.96 0.00	37.44 2.10 0.00	39.04 2.21 0.00	37.14 2.33 0.00	39.93 2.50 0.00	50.31 3.33 0.00	48.03 3.00 0.00	52.54 3.21 0.00	50.53 3.36 0.00	68.70 4.48 0.00	73.36 3.62 -16.02	69.44 4.46 -11.60	73.78 4.38 -19.47	71.63 4.21 -17.33	61.55 4.40 -8.69	68.91 4.53 -14.18	52.97 4.37 -0.18	50.01 3.66 -5.02	39.27 2.96 0.00	37.60 2.65 0.00
GARDENVILLE___LBMP 24039	26.78 -0.09 0.00	29.66 -0.44 0.49	32.15 -0.03 0.00	28.98 -0.15 -0.73	31.52 -0.02 0.00	36.92 0.00 -1.58	38.97 0.42 -1.72	34.98 0.17 0.00	38.15 0.72 0.00	47.92 0.93 0.00	45.78 0.75 0.00	50.11 0.77 0.00	47.15 -0.02 0.00	64.71 0.50 0.00	54.83 1.11 0.00	54.09 0.71 0.00	51.09 1.15 0.00	51.27 1.18 0.00	49.69 1.23 0.00	51.78 1.58 0.00	50.07 1.64 0.00	43.16 1.83 0.00	37.38 1.07 0.00	35.52 0.57 0.00
GARDNVLA_35_KV_LD 355827	26.95 0.08 0.00	29.95 -0.25 0.40	32.32 0.14 0.00	29.16 0.01 -0.76	31.70 0.16 0.00	37.19 0.20 -1.65	39.27 0.65 -1.78	35.18 0.37 0.00	38.37 0.94 0.00	48.22 1.23 0.00	46.12 1.09 0.00	50.50 1.17 0.00	47.53 0.36 0.00	65.23 1.01 0.00	55.26 1.54 0.00	54.51 1.12 0.00	51.48 1.54 0.00	51.67 1.58 0.00	50.07 1.60 0.00	52.17 1.97 0.00	50.43 2.01 0.00	43.47 2.14 0.00	37.63 1.32 0.00	35.74 0.79 0.00
GELCKHM___115KV_LOAD 80723	26.50 -0.37 0.00	30.07 -0.52 0.00	31.68 -0.50 0.00	27.92 -0.48 0.00	31.09 -0.45 0.00	34.97 -0.37 0.00	36.55 -0.29 0.00	34.55 -0.26 0.00	37.26 -0.17 0.00	47.14 -0.15 -0.30	47.30 -0.05 -2.32	51.97 -0.03 -2.66	49.14 -0.09 -2.06	69.09 0.06 -4.82	57.55 0.17 -3.66	55.43 0.09 -1.96	53.00 0.16 -2.91	52.83 0.12 -2.63	51.49 0.14 -2.88	53.09 0.14 -2.75	51.41 0.14 -2.84	43.46 0.18 -1.94	37.30 -0.01 -1.00	35.12 -0.16 -0.33
GENERAL___MILLS 23808	26.88 0.01 0.00	29.84 -0.33 0.42	32.25 0.07 0.00	29.09 -0.06 -0.75	31.62 0.08 0.00	37.08 0.11 -1.63	39.15 0.55 -1.76	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.95 0.92 0.00	50.32 0.98 0.00	47.34 0.17 0.00	64.98 0.76 0.00	55.05 1.33 0.00	54.30 0.91 0.00	51.28 1.35 0.00	51.47 1.38 0.00	49.88 1.41 0.00	51.98 1.78 0.00	50.25 1.82 0.00	43.32 1.99 0.00	37.50 1.19 0.00	35.63 0.68 0.00
GE_PLASTICS___DRP 24183	27.73 0.86 0.00	31.51 0.92 0.00	33.10 0.91 0.00	29.21 0.82 0.00	32.40 0.85 0.00	36.22 0.88 0.00	37.62 0.78 0.00	35.67 0.86 0.00	38.12 0.69 0.00	47.76 0.78 0.00	45.72 0.69 0.00	50.00 0.66 0.00	48.04 0.87 0.00	65.54 1.32 0.00	70.70 1.08 -15.90	66.49 1.39 -11.72	70.96 1.25 -19.77	68.95 1.16 -17.71	58.40 1.11 -8.83	65.32 1.02 -14.10	49.65 1.05 -0.17	47.14 0.82 -4.98	37.21 0.90 0.00	36.04 1.09 0.00
GILBOA___1 23756	27.76 0.89 0.00	31.72 1.12 0.00	33.38 1.20 0.00	29.44 1.04 0.00	32.67 1.12 0.00	36.53 1.19 0.00	37.86 1.02 0.00	35.78 0.97 0.00	38.51 1.08 0.00	48.44 1.45 0.00	46.47 1.44 0.00	50.85 1.51 0.00	48.81 1.64 0.00	66.46 2.24 0.00	64.93 1.95 -9.27	62.26 1.98 -6.89	63.48 1.88 -11.67	62.36 1.79 -10.48	55.38 1.70 -5.22	58.90 1.70 -7.00	50.32 1.80 -0.10	45.73 1.50 -2.90	37.60 1.29 0.00	36.21 1.25 0.00
GILBOA___2 23757	27.76 0.89 0.00	31.72 1.12 0.00	33.38 1.20 0.00	29.44 1.04 0.00	32.67 1.12 0.00	36.53 1.19 0.00	37.86 1.02 0.00	35.78 0.97 0.00	38.51 1.08 0.00	48.44 1.45 0.00	46.47 1.44 0.00	50.85 1.51 0.00	48.81 1.64 0.00	66.46 2.24 0.00	64.93 1.95 -9.27	62.26 1.98 -6.89	63.48 1.88 -11.67	62.36 1.79 -10.48	55.38 1.70 -5.22	58.90 1.70 -7.00	50.32 1.80 -0.10	45.73 1.50 -2.90	37.60 1.29 0.00	36.21 1.25 0.00
GILBOA___3 23758	27.76 0.89 0.00	31.72 1.12 0.00	33.38 1.20 0.00	29.44 1.04 0.00	32.67 1.12 0.00	36.53 1.19 0.00	37.86 1.02 0.00	35.78 0.97 0.00	38.51 1.08 0.00	48.44 1.45 0.00	46.47 1.44 0.00	50.85 1.51 0.00	48.81 1.64 0.00	66.46 2.24 0.00	64.93 1.95 -9.27	62.26 1.98 -6.89	63.48 1.88 -11.67	62.36 1.79 -10.48	55.38 1.70 -5.22	58.90 1.70 -7.00	50.32 1.80 -0.10	45.73 1.50 -2.90	37.60 1.29 0.00	36.21 1.25 0.00
GILBOA___4 23759	27.76 0.89 0.00	31.72 1.12 0.00	33.38 1.20 0.00	29.44 1.04 0.00	32.67 1.12 0.00	36.53 1.19 0.00	37.86 1.02 0.00	35.78 0.97 0.00	38.51 1.08 0.00	48.44 1.45 0.00	46.47 1.44 0.00	50.85 1.51 0.00	48.81 1.64 0.00	66.46 2.24 0.00	64.93 1.95 -9.27	62.26 1.98 -6.89	63.48 1.88 -11.67	62.36 1.79 -10.48	55.38 1.70 -5.22	58.90 1.70 -7.00	50.32 1.80 -0.10	45.73 1.50 -2.90	37.60 1.29 0.00	36.21 1.25 0.00
GILBOA___ 23599	27.76 0.89 0.00	31.72 1.12 0.00	33.38 1.20 0.00	29.44 1.04 0.00	32.67 1.12 0.00	36.53 1.19 0.00	37.86 1.02 0.00	35.78 0.97 0.00	38.51 1.08 0.00	48.44 1.45 0.00	46.47 1.43 0.00	50.85 1.51 0.00	48.81 1.64 0.00	66.46 2.24 0.00	64.93 1.94 -9.27	62.27 1.99 -6.89	63.50 1.89 -11.67	62.36 1.79 -10.48	55.38 1.70 -5.22	58.91 1.71 -7.00	50.32 1.80 -0.10	45.73 1.49 -2.90	37.59 1.29 0.00	36.21 1.26 0.00
GINNA___ 23603	25.86 -1.01 0.00	29.16 -1.44 0.00	30.84 -1.34 0.00	28.12 -1.23 -0.95	30.28 -1.27 0.00	36.09 -1.30 -2.06	38.01 -1.10 -2.27	33.67 -1.14 0.00	36.49 -0.94 0.00	45.90 -1.09 0.00	43.91 -1.13 0.00	48.18 -1.16 0.00	45.77 -1.41 0.00	62.60 -1.62 0.00	52.74 -0.98 0.00	52.24 -1.14 0.00	49.18 -0.76 0.00	49.35 -0.73 0.00	47.91 -0.56 0.00	49.77 -0.43 0.00	47.96 -0.47 0.00	41.11 -0.22 0.00	35.71 -0.59 0.00	34.03 -0.93 0.00
GLEN PARK___ 23778	26.62 -0.25 0.00	30.34 -0.25 0.00	31.98 -0.20 0.00	28.27 -0.12 0.00	31.91 0.37 0.00	36.70 1.35 0.00	38.58 1.74 0.00	36.40 1.59 0.00	38.72 1.29 0.00	48.19 0.82 -0.39	48.52 0.55 -2.95	53.24 0.52 -3.38	51.07 1.29 -2.61	72.76 2.43 -6.12	60.67 2.30 -4.65	57.64 1.77 -2.48	55.22 1.59 -3.69	55.44 2.02 -3.33	54.70 2.58 -3.66	56.82 3.12 -3.49	55.29 3.25 -3.61	46.38 2.57 -2.47	39.34 1.76 -1.27	36.72 1.36 -0.42
GLENDALE_27_KV_LOAD 356172	28.87 2.00 0.00	32.54 1.95 0.00	33.95 1.77 0.00	29.95 1.55 0.00	33.13 1.59 0.00	36.99 1.65 0.00	38.53 1.70 0.00	36.91 2.10 0.00	39.87 2.43 0.00	50.18 3.19 0.00	48.13 3.11 0.00	52.91 3.58 0.01	48.93 3.86 2.11	69.98 5.76 0.00	116.61 5.16 -57.74	97.68 5.50 -38.80	118.70 5.29 -63.48	110.26 5.16 -55.02	81.36 4.74 -28.15	106.99 4.37 -52.42	53.11 4.04 -0.64	62.77 3.25 -18.19	39.07 2.76 0.00	37.73 2.78 0.00

GLENWOOD_IC_1_G5 23712	28.81 1.94 0.00	32.69 2.10 0.00	34.05 1.87 0.00	29.99 1.60 0.00	33.22 1.67 0.00	37.14 1.79 0.00	38.73 1.89 0.00	37.10 2.29 0.00	39.86 2.43 0.00	52.26 3.43 -1.84	70.02 3.56 -21.43	76.49 4.06 -23.09	79.00 4.25 -27.58	80.76 6.32 -10.22	120.55 5.57 -61.26	103.46 5.85 -44.23	126.30 5.58 -70.79	129.46 5.52 -73.85	98.17 5.11 -44.59	117.38 4.72 -62.46	83.59 4.42 -30.74	78.73 3.44 -33.96	39.06 2.75 0.00	46.58 2.78 -8.84
GLENWOOD_IC_2_G1 23688	28.77 1.90 0.00	32.49 1.90 0.00	33.88 1.70 0.00	29.84 1.45 0.00	33.06 1.51 0.00	36.97 1.62 0.00	38.56 1.72 0.00	36.96 2.15 0.00	39.82 2.38 0.00	55.98 3.32 -5.67	70.72 3.37 -22.31	76.24 3.82 -23.09	78.75 4.00 -27.58	80.38 5.94 -10.22	120.23 5.26 -61.26	103.17 5.56 -44.23	126.03 5.31 -70.79	129.17 5.23 -73.85	97.91 4.85 -44.59	117.14 4.48 -62.46	83.37 4.19 -30.74	78.58 3.29 -33.96	39.01 2.70 0.00	46.53 2.73 -8.84
GLENWOOD_IC_3_G1 23689	28.77 1.90 0.00	32.49 1.90 0.00	33.88 1.70 0.00	29.84 1.45 0.00	33.06 1.51 0.00	36.97 1.62 0.00	38.56 1.72 0.00	36.96 2.15 0.00	39.82 2.38 0.00	55.98 3.32 -5.67	70.72 3.37 -22.31	76.24 3.82 -23.09	78.75 4.00 -27.58	80.38 5.94 -10.22	120.23 5.26 -61.26	103.17 5.56 -44.23	126.03 5.31 -70.79	129.17 5.23 -73.85	97.91 4.85 -44.59	117.14 4.48 -62.46	83.37 4.19 -30.74	78.58 3.29 -33.96	39.01 2.70 0.00	46.53 2.73 -8.84
GLENWOOD___4 23550	28.87 2.00 0.00	32.69 2.10 0.00	34.05 1.87 0.00	29.99 1.60 0.00	33.22 1.67 0.00	37.14 1.79 0.00	38.73 1.89 0.00	37.11 2.30 0.00	39.95 2.52 0.00	52.38 3.55 -1.84	70.14 3.67 -21.43	76.61 4.19 -23.09	79.12 4.37 -27.58	80.93 6.49 -10.22	120.68 5.71 -61.26	103.59 5.97 -44.23	126.41 5.68 -70.79	129.58 5.64 -73.85	98.28 5.22 -44.59	117.50 4.84 -62.46	83.71 4.53 -30.74	78.82 3.53 -33.96	39.16 2.84 0.00	46.67 2.87 -8.84
GLENWOOD___5 23614	28.87 2.00 0.00	32.69 2.10 0.00	34.05 1.87 0.00	29.99 1.60 0.00	33.22 1.67 0.00	37.14 1.79 0.00	38.73 1.89 0.00	37.11 2.30 0.00	39.95 2.52 0.00	52.38 3.55 -1.84	70.14 3.67 -21.43	76.61 4.19 -23.09	79.12 4.37 -27.58	80.93 6.49 -10.22	120.68 5.71 -61.26	103.59 5.97 -44.23	126.41 5.68 -70.79	129.58 5.64 -73.85	98.28 5.22 -44.59	117.50 4.84 -62.46	83.71 4.53 -30.74	78.82 3.53 -33.96	39.16 2.84 0.00	46.67 2.87 -8.84
GLOBAL GREEN_PORT_GT1 23814	30.36 3.49 0.00	34.25 3.65 0.00	35.57 3.39 0.00	31.22 2.83 0.00	34.61 3.06 0.00	38.75 3.41 0.00	40.65 3.81 0.00	39.19 4.38 0.00	42.51 5.08 0.00	59.83 7.17 -5.67	74.54 7.19 -22.31	80.64 8.21 -23.09	82.04 7.20 -27.66	90.41 10.28 -15.92	165.33 9.18 -102.43	139.51 8.70 -77.43	210.59 8.30 -152.35	401.29 8.63 -342.56	170.30 8.10 -113.73	140.94 7.90 -82.83	106.69 7.47 -50.79	80.93 5.64 -33.96	40.97 4.66 0.00	49.09 5.29 -8.84
GLOBE___DSASP 323697	26.23 -0.64 0.00	29.23 -1.04 0.33	31.59 -0.60 0.00	28.57 -0.56 -0.73	31.06 -0.49 0.00	36.28 -0.62 -1.56	38.02 -0.51 -1.69	34.14 -0.67 0.00	37.20 -0.23 0.00	46.60 -0.39 0.00	44.15 -0.88 0.00	48.25 -1.09 0.00	45.32 -1.85 0.00	61.95 -2.27 0.00	52.58 -1.14 0.00	51.96 -1.43 0.00	49.03 -0.91 0.00	49.25 -0.84 0.00	47.80 -0.66 0.00	49.86 -0.34 0.00	48.22 -0.21 0.00	41.65 0.31 0.00	36.31 0.00 0.00	34.61 -0.34 0.00
GOETHSLN___LBMP 323567	28.53 1.66 0.00	32.17 1.58 0.00	33.57 1.39 0.00	29.59 1.20 0.00	32.76 1.22 0.00	36.59 1.24 0.00	38.05 1.27 0.06	36.54 1.73 0.00	38.38 1.99 1.04	38.79 2.68 10.88	39.80 2.65 7.89	39.74 3.07 12.67	38.96 3.33 11.54	53.52 5.08 15.79	48.95 4.55 9.32	50.26 4.94 8.06	39.30 4.73 15.37	41.66 4.60 13.02	39.28 4.22 13.40	50.88 3.83 3.15	40.77 3.48 11.14	47.00 2.72 -2.94	38.25 2.36 0.42	37.32 2.37 0.00
GOLAH___69_KV_TB 1_2 80279	27.36 0.49 0.00	30.74 0.20 0.05	32.76 0.58 0.00	30.03 0.47 -1.16	32.14 0.60 0.00	38.62 0.74 -2.54	40.74 1.10 -2.80	35.75 0.93 0.00	38.76 1.33 0.00	48.62 1.64 0.00	46.47 1.43 0.00	50.93 1.59 0.00	48.29 1.12 0.00	66.09 1.87 0.00	55.75 2.03 0.00	55.06 1.67 0.00	51.64 1.71 0.00	51.85 1.77 0.00	50.39 1.93 0.00	52.46 2.26 0.00	50.61 2.18 0.00	43.48 2.15 0.00	37.76 1.45 0.00	35.95 0.99 0.00
GOODYEAR_LAKE_HYD 323669	27.98 1.11 0.00	31.79 1.20 0.00	33.42 1.24 0.00	29.45 1.06 0.00	32.77 1.22 0.00	36.75 1.41 0.00	38.38 1.54 0.00	36.37 1.56 0.00	39.25 1.82 0.00	49.39 2.33 -0.07	47.95 2.38 -0.54	52.59 2.64 -0.62	50.18 2.53 -0.48	69.05 3.72 -1.11	57.79 3.22 -0.85	56.99 3.16 -0.45	53.65 3.04 -0.67	53.64 2.95 -0.61	52.04 2.91 -0.67	53.87 3.03 -0.64	52.06 2.98 -0.66	44.32 2.54 -0.45	38.53 1.99 -0.23	36.79 1.76 -0.08
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	27.05 0.18 0.00	30.76 0.16 0.00	32.41 0.23 0.00	27.60 0.12 0.92	31.73 0.18 0.00	33.45 0.26 2.16	34.88 0.42 2.37	35.30 0.49 0.00	38.15 0.71 0.00	48.12 0.96 -0.17	47.38 1.02 -1.32	51.96 1.11 -1.52	49.35 1.00 -1.17	68.91 1.94 -2.75	57.66 1.85 -2.09	56.30 1.80 -1.12	53.39 1.80 -1.66	53.23 1.64 -1.50	51.64 1.53 -1.65	53.30 1.53 -1.57	51.52 1.47 -1.62	43.79 1.35 -1.11	37.70 0.82 -0.57	35.74 0.60 -0.19
GOUDEY___7 23579	27.07 0.20 0.00	30.79 0.19 0.00	32.44 0.26 0.00	27.62 0.14 0.92	31.76 0.21 0.00	33.48 0.30 2.16	34.92 0.46 2.37	35.33 0.53 0.00	38.20 0.77 0.00	48.18 1.02 -0.17	47.44 1.08 -1.32	52.03 1.17 -1.52	49.43 1.08 -1.17	69.00 2.03 -2.75	57.75 1.94 -2.09	56.38 1.88 -1.12	53.45 1.86 -1.66	53.28 1.70 -1.50	51.70 1.59 -1.65	53.37 1.60 -1.57	51.58 1.53 -1.62	43.85 1.41 -1.11	37.74 0.86 -0.57	35.77 0.64 -0.19
GOUDEY___8 23580	27.05 0.18 0.00	30.76 0.16 0.00	32.41 0.23 0.00	27.60 0.12 0.92	31.73 0.18 0.00	33.45 0.26 2.16	34.88 0.42 2.37	35.30 0.49 0.00	38.15 0.71 0.00	48.12 0.96 -0.17	47.38 1.02 -1.32	51.96 1.11 -1.52	49.35 1.00 -1.17	68.91 1.94 -2.75	57.66 1.85 -2.09	56.30 1.80 -1.12	53.39 1.80 -1.66	53.23 1.64 -1.50	51.64 1.53 -1.65	53.30 1.53 -1.57	51.52 1.47 -1.62	43.79 1.35 -1.11	37.70 0.82 -0.57	35.74 0.60 -0.19
GOWANUS_GT1_1 24077	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT1_2 24078	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00

GOWANUS_GT1_3 24079	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT1_4 24080	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT1_5 24084	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT1_6 24111	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT1_7 24112	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT1_8 24113	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.23 5.05 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_1 24114	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_2 24115	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_3 24116	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_4 24117	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_5 24118	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_6 24119	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_7 24120	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT2_8 24121	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.33 4.91 -63.48	109.89 4.79 -55.02	81.03 4.42 -28.15	106.71 4.09 -52.42	55.16 3.79 -2.95	64.42 3.15 -19.94	100.38 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_1 24122	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00

GOWANUS_GT3_2 24123	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_3 24124	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_4 24125	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_5 24126	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_6 24127	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_7 24128	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT3_8 24129	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.21 5.03 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GOWANUS_GT4_1 24130	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_2 24131	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_3 24132	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_4 24133	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_5 24134	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_6 24135	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_7 24136	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00
GOWANUS_GT4_8 24137	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.25 4.80 -57.74	97.21 5.03 -38.80	118.33 4.92 -63.48	109.90 4.80 -55.02	81.03 4.42 -28.15	106.71 4.08 -52.42	55.17 3.79 -2.95	64.43 3.16 -19.94	100.38 2.71 -61.36	37.69 2.74 0.00

GREENBSH_115KV_TB3 55895	27.63 0.76 0.00	31.38 0.79 0.00	32.95 0.77 0.00	29.09 0.69 0.00	32.26 0.72 0.00	36.06 0.72 0.00	37.44 0.60 0.00	35.53 0.72 0.00	38.05 0.62 0.00	47.78 0.80 0.00	45.83 0.79 0.00	50.15 0.81 0.00	48.21 1.03 0.00	65.79 1.57 0.00	71.54 1.23 -16.59	67.04 1.55 -12.11	71.70 1.39 -20.37	69.59 1.31 -18.19	58.80 1.24 -9.10	66.04 1.16 -14.69	49.78 1.17 -0.18	47.39 0.86 -5.20	37.16 0.85 0.00	35.88 0.93 0.00
GREENDGE_115KV_TB5 80291	26.91 0.03 0.00	31.05 -0.14 -0.60	32.06 -0.12 0.00	31.52 -0.10 -3.23	31.49 -0.06 0.00	42.52 -0.09 -7.27	45.12 0.25 -8.03	35.10 0.29 0.00	38.04 0.61 0.00	48.10 0.98 -0.14	47.27 1.16 -1.08	51.85 1.28 -1.24	49.03 0.91 -0.96	68.37 1.92 -2.24	57.47 2.05 -1.70	55.95 1.66 -0.91	53.16 1.87 -1.35	53.08 1.77 -1.22	51.67 1.87 -1.34	53.56 2.08 -1.28	51.81 2.07 -1.32	44.16 1.92 -0.90	37.93 1.15 -0.46	35.76 0.66 -0.15
GREENIDGE___3 23582	26.91 0.03 0.00	31.05 -0.14 -0.60	32.06 -0.12 0.00	31.52 -0.10 -3.23	31.49 -0.06 0.00	42.52 -0.09 -7.27	45.12 0.25 -8.03	35.10 0.29 0.00	38.04 0.61 0.00	48.10 0.98 -0.14	47.27 1.16 -1.08	51.85 1.28 -1.24	49.03 0.91 -0.96	68.37 1.92 -2.24	57.47 2.05 -1.70	55.95 1.66 -0.91	53.16 1.87 -1.35	53.08 1.77 -1.22	51.67 1.87 -1.34	53.56 2.08 -1.28	51.81 2.07 -1.32	44.16 1.92 -0.90	37.93 1.15 -0.46	35.76 0.66 -0.15
GREENIDGE___4 23583	26.91 0.04 0.00	31.05 -0.14 -0.60	32.06 -0.12 0.00	31.52 -0.10 -3.23	31.49 -0.06 0.00	42.52 -0.09 -7.27	45.10 0.24 -8.03	35.10 0.29 0.00	38.04 0.61 0.00	48.11 0.98 -0.14	47.27 1.16 -1.08	51.87 1.29 -1.24	49.04 0.91 -0.96	68.37 1.92 -2.24	57.47 2.05 -1.70	55.96 1.67 -0.91	53.17 1.88 -1.35	53.08 1.78 -1.22	51.68 1.88 -1.34	53.56 2.08 -1.28	51.81 2.07 -1.32	44.16 1.92 -0.90	37.92 1.14 -0.46	35.76 0.66 -0.15
GREENLWN_69_KV_BK 3 55738	28.99 2.12 0.00	32.72 2.12 0.00	33.96 1.78 0.00	29.87 1.48 0.00	33.10 1.55 0.00	36.98 1.64 0.00	38.63 1.79 0.00	37.12 2.31 0.00	40.05 2.62 0.00	56.44 3.78 -5.67	71.29 3.94 -22.31	76.86 4.43 -23.09	79.21 4.48 -27.56	79.84 6.66 -8.96	107.67 5.85 -48.10	75.11 5.68 -16.05	58.81 5.38 -3.49	48.17 5.51 7.43	66.44 5.15 -12.83	111.62 4.73 -56.69	78.79 4.57 -25.79	78.73 3.44 -33.96	39.03 2.72 0.00	46.72 2.92 -8.84
GREENWD_138_KV_38B11_REV_LBMP_J 345004	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.24 5.06 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
GRISSOM___SOLAR 323813	29.65 2.78 0.00	33.54 2.95 0.00	35.22 3.04 0.00	31.07 2.68 0.00	34.64 3.09 0.00	38.89 3.55 0.00	40.77 3.93 0.00	38.76 3.95 0.00	41.66 4.23 0.00	52.13 5.15 0.00	50.63 5.60 0.00	53.86 4.53 0.00	51.81 4.63 0.00	69.33 5.11 0.00	69.93 3.46 -12.75	67.62 4.98 -9.26	68.56 3.07 -15.55	67.87 3.92 -13.87	60.32 4.91 -6.94	65.99 6.15 -9.65	54.85 6.29 -0.13	50.63 5.30 -4.00	40.56 4.25 0.00	38.70 3.74 0.00
GROVEVILLE___HYD 323602	28.77 1.90 0.00	32.52 1.92 0.00	33.99 1.81 0.00	29.94 1.55 0.00	33.18 1.64 0.00	37.12 1.78 0.00	38.70 1.86 0.00	37.01 2.20 0.00	39.97 2.54 0.00	50.47 3.48 0.00	48.58 3.55 0.00	53.27 3.94 0.00	51.30 4.13 0.00	70.33 6.11 0.00	74.82 5.38 -15.72	77.21 5.81 -18.02	89.23 5.51 -33.78	88.87 5.39 -33.40	68.86 4.93 -15.47	66.22 4.57 -11.45	52.87 4.29 -0.16	49.47 3.39 -4.74	39.11 2.80 0.00	37.66 2.71 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.20 0.35 -4.38	54.74 0.36 -4.18	53.13 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
HAMLTNNY_34_KV_TB 80303	26.89 0.02 0.00	30.49 -0.11 0.00	32.11 -0.07 0.00	28.66 -0.09 -0.36	31.49 -0.05 0.00	35.41 0.07 0.00	37.01 0.17 0.00	34.97 0.16 0.00	37.75 0.32 0.00	47.95 0.49 -0.48	49.20 0.53 -3.63	54.14 0.64 -4.17	50.91 0.52 -3.22	72.74 0.97 -7.55	60.48 1.03 -5.74	57.39 0.94 -3.06	55.48 0.99 -4.56	55.12 0.92 -4.12	53.91 0.93 -4.52	55.46 0.95 -4.31	53.79 0.91 -4.45	45.21 0.83 -3.05	38.39 0.51 -1.57	35.74 0.28 -0.51
HAMPSHIRE___PAPER_HYD 323593	26.13 -0.74 0.00	29.87 -0.73 0.00	31.44 -0.74 0.00	27.81 -0.58 0.00	31.21 -0.34 0.00	35.43 0.09 0.00	37.06 0.22 0.00	34.88 0.07 0.00	37.21 -0.22 0.00	46.33 -0.81 -0.15	45.17 -1.02 -1.16	49.56 -1.11 -1.33	47.52 -0.68 -1.03	65.84 -0.80 -2.42	54.80 -0.75 -1.84	52.94 -1.43 -0.98	49.92 -1.48 -1.46	50.17 -1.23 -1.32	49.11 -0.80 -1.45	51.12 -0.46 -1.38	49.50 -0.35 -1.43	42.07 -0.24 -0.98	36.64 -0.17 -0.50	34.82 -0.30 -0.16
HARDSCRABBLE_WT_PWR 323673	27.18 0.31 0.00	30.87 0.27 0.00	32.39 0.21 0.00	28.51 0.11 0.00	31.75 0.20 0.00	35.43 0.09 0.00	36.81 -0.03 0.00	35.06 0.24 0.00	37.49 0.06 0.00	46.96 -0.03 0.00	45.30 0.27 0.00	49.61 0.27 0.00	47.96 0.78 0.00	65.66 1.44 0.00	54.40 0.68 0.00	54.37 0.99 0.00	50.56 0.63 0.00	50.44 0.35 0.00	49.17 0.71 0.00	51.29 1.09 0.00	49.66 1.23 0.00	42.25 0.92 0.00	36.92 0.61 0.00	35.61 0.66 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	28.40 1.53 0.00	32.09 1.49 0.00	33.53 1.35 0.00	29.55 1.15 0.00	32.74 1.20 0.00	36.62 1.28 0.00	38.16 1.33 0.00	36.51 1.70 0.00	39.44 2.01 0.00	49.79 2.81 0.00	47.94 2.91 0.00	52.70 3.36 0.00	50.77 3.60 0.00	69.63 5.41 0.00	13.89 4.81 44.64	98.93 5.21 -40.33	161.45 4.99 -106.52	186.25 4.94 -131.23	104.69 4.41 -51.81	6.47 4.00 47.73	51.55 3.70 0.57	28.24 2.91 16.01	38.68 2.37 0.00	37.23 2.28 0.00
HARSNRAD_115KV_TB1 81005	26.47 -0.39 0.00	29.43 -0.84 0.33	31.78 -0.40 0.00	28.75 -0.46 -0.82	31.20 -0.35 0.00	36.66 -0.44 -1.76	38.70 -0.07 -1.93	34.45 -0.37 0.00	37.54 0.11 0.00	47.09 0.10 0.00	44.88 -0.15 0.00	49.11 -0.23 0.00	46.17 -1.00 0.00	63.19 -1.03 0.00	53.56 -0.16 0.00	52.81 -0.58 0.00	49.80 -0.14 0.00	50.05 -0.04 0.00	48.61 0.15 0.00	50.69 0.49 0.00	49.03 0.61 0.00	42.37 1.04 0.00	36.77 0.47 0.00	34.91 -0.04 0.00
HARZA MOOSE___RIVER 24016	26.73 -0.15 0.00	30.47 -0.13 0.00	32.04 -0.14 0.00	28.32 -0.07 0.00	31.82 0.27 0.00	36.13 0.79 0.00	37.81 0.97 0.00	35.69 0.88 0.00	38.16 0.72 0.00	47.59 0.48 -0.13	46.38 0.36 -0.99	50.98 0.51 -1.14	49.04 0.99 -0.88	67.99 1.72 -2.05	56.63 1.35 -1.56	55.41 1.19 -0.83	52.29 1.12 -1.24	52.53 1.32 -1.12	51.33 1.64 -1.23	53.29 1.91 -1.17	51.55 1.91 -1.21	43.80 1.64 -0.83	37.92 1.19 -0.43	36.01 0.92 -0.14

HDSNBRDG_115KV_BRDG_TB1 355580	26.52 -0.35 0.00	30.07 -0.52 0.00	31.68 -0.50 0.00	27.91 -0.48 0.00	31.09 -0.45 0.00	34.96 -0.38 0.00	36.55 -0.29 0.00	34.57 -0.24 0.00	37.30 -0.13 0.00	47.14 -0.09 -0.25	46.92 0.00 -1.88	51.53 0.03 -2.17	48.81 -0.04 -1.67	68.32 0.19 -3.92	57.05 0.35 -2.98	55.27 0.29 -1.59	52.64 0.34 -2.36	52.51 0.29 -2.14	51.12 0.31 -2.35	52.75 0.31 -2.24	51.04 0.30 -2.31	43.22 0.30 -1.58	37.15 0.03 -0.81	35.08 -0.14 -0.27
HELLGATE_13_KV_LD 55870	28.71 1.84 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.80 1.40 0.00	32.96 1.42 0.00	36.79 1.45 0.00	38.32 1.48 0.00	36.70 1.89 0.00	39.61 2.18 0.00	49.82 2.84 0.00	47.77 2.74 0.00	52.49 3.16 0.01	49.27 3.47 1.37	69.38 5.16 0.00	116.09 4.64 -57.74	97.20 5.02 -38.80	118.22 4.81 -63.48	109.77 4.67 -55.02	80.87 4.26 -28.15	106.50 3.88 -52.42	52.67 3.60 -0.64	62.40 2.89 -18.19	38.78 2.47 0.00	37.46 2.50 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	28.71 1.84 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.80 1.40 0.00	32.96 1.42 0.00	36.79 1.45 0.00	38.32 1.48 0.00	36.70 1.89 0.00	39.61 2.18 0.00	49.82 2.84 0.00	47.77 2.74 0.00	52.49 3.16 0.01	49.27 3.47 1.37	69.38 5.16 0.00	116.09 4.64 -57.74	97.20 5.02 -38.80	118.22 4.81 -63.48	109.77 4.67 -55.02	80.87 4.26 -28.15	106.50 3.88 -52.42	52.67 3.60 -0.64	62.40 2.89 -18.19	38.78 2.47 0.00	37.46 2.50 0.00
HEMPSTEAD____ 23647	28.96 2.09 0.00	32.71 2.12 0.00	34.03 1.85 0.00	29.95 1.56 0.00	33.19 1.64 0.00	37.10 1.76 0.00	38.71 1.87 0.00	37.13 2.32 0.00	40.04 2.61 0.00	49.25 3.66 1.40	69.43 3.71 -20.69	76.61 4.18 -23.09	79.08 4.32 -27.58	80.82 6.38 -10.22	120.60 5.63 -61.26	103.43 5.82 -44.23	126.33 5.60 -70.79	129.54 5.60 -73.85	98.23 5.18 -44.59	117.45 4.79 -62.46	83.70 4.53 -30.74	78.84 3.55 -33.96	39.18 2.86 0.00	46.75 2.96 -8.84
HEWLETT__69_KV_BK3 55828	29.08 2.22 0.00	32.79 2.20 0.00	34.09 1.91 0.00	30.01 1.62 0.00	33.24 1.69 0.00	37.16 1.82 0.00	38.74 1.90 0.00	37.14 2.33 0.00	40.15 2.72 0.00	58.00 3.84 -7.17	71.52 3.84 -22.65	76.81 4.39 -23.09	79.29 4.54 -27.58	81.13 6.70 -10.22	120.89 5.91 -61.26	103.82 6.20 -44.23	126.70 5.98 -70.79	129.91 5.98 -73.85	98.70 5.64 -44.59	117.96 5.30 -62.46	84.18 5.01 -30.74	79.26 3.97 -33.96	39.51 3.20 0.00	47.18 3.39 -8.84
HICKLING___1 23621	26.97 0.09 0.00	30.82 0.01 -0.22	32.31 0.13 0.00	25.91 -0.04 2.44	31.58 0.03 0.00	29.81 0.12 5.65	31.10 0.49 6.23	35.37 0.56 0.00	38.39 0.96 0.00	48.55 1.43 -0.14	47.60 1.50 -1.07	52.18 1.62 -1.23	49.25 1.13 -0.95	68.89 2.45 -2.22	58.08 2.67 -1.69	56.74 2.45 -0.90	53.91 2.63 -1.34	53.69 2.39 -1.21	52.05 2.25 -1.33	53.92 2.45 -1.27	52.19 2.46 -1.31	44.55 2.33 -0.89	38.18 1.41 -0.46	36.04 0.94 -0.15
HICKLING___2 23622	26.97 0.09 0.00	30.82 0.01 -0.22	32.31 0.13 0.00	25.91 -0.04 2.44	31.58 0.03 0.00	29.81 0.12 5.65	31.10 0.49 6.23	35.37 0.56 0.00	38.39 0.96 0.00	48.55 1.43 -0.14	47.60 1.50 -1.07	52.18 1.62 -1.23	49.25 1.13 -0.95	68.89 2.45 -2.22	58.08 2.67 -1.69	56.74 2.45 -0.90	53.91 2.63 -1.34	53.69 2.39 -1.21	52.05 2.25 -1.33	53.92 2.45 -1.27	52.19 2.46 -1.31	44.55 2.33 -0.89	38.18 1.41 -0.46	36.04 0.94 -0.15
HIGH FALLS___HY 23754	28.50 1.63 0.00	32.21 1.62 0.00	33.65 1.47 0.00	29.63 1.24 0.00	32.83 1.29 0.00	36.73 1.39 0.00	38.33 1.49 0.00	36.84 2.02 0.00	39.86 2.43 0.00	50.41 3.42 0.00	48.83 3.81 0.00	53.59 4.25 0.00	51.51 4.34 0.00	70.31 6.09 0.00	59.57 5.40 -0.46	64.71 5.82 -5.51	67.20 5.26 -12.01	68.65 5.28 -13.28	58.88 4.75 -5.66	54.51 4.31 0.00	52.44 4.02 0.00	44.70 3.36 0.00	38.96 2.65 0.00	37.47 2.52 0.00
HILLBURN___GT 23639	28.25 1.38 0.00	31.91 1.31 0.00	33.33 1.15 0.00	29.37 0.97 0.00	32.54 1.00 0.00	36.37 1.03 0.00	37.90 1.06 0.00	36.28 1.47 0.00	39.21 1.78 0.00	49.49 2.50 0.00	47.68 2.65 0.00	52.46 3.12 0.00	50.53 3.35 0.00	69.32 5.10 0.00	7.64 4.50 50.58	89.93 4.83 -31.73	144.32 4.60 -89.79	168.75 4.50 -114.17	96.67 4.11 -44.09	0.38 3.65 53.46	51.14 3.35 0.64	26.18 2.60 17.75	38.43 2.12 0.00	37.04 2.09 0.00
HILLSIDE_115KV_TB1 80332	26.52 -0.35 0.00	30.36 -0.40 -0.16	31.85 -0.33 0.00	26.49 -0.44 1.46	31.12 -0.42 0.00	31.53 -0.40 3.42	32.95 -0.13 3.76	34.82 0.01 0.00	37.75 0.32 0.00	47.66 0.53 -0.14	46.77 0.63 -1.11	51.28 0.67 -1.27	48.57 0.41 -0.98	68.07 1.55 -2.30	57.29 1.82 -1.75	55.93 1.61 -0.93	53.05 1.73 -1.39	52.73 1.39 -1.26	51.06 1.22 -1.38	52.77 1.26 -1.31	51.01 1.22 -1.36	43.52 1.26 -0.93	37.30 0.52 -0.48	35.30 0.19 -0.16
HISHELDN_WT_PWR 323625	26.34 -0.53 0.00	28.54 -0.93 1.12	31.54 -0.64 0.00	13.57 -0.75 14.08	30.91 -0.64 0.00	2.42 -0.74 32.18	0.96 -0.33 35.55	34.35 -0.45 0.00	37.49 0.05 0.00	47.28 0.30 0.00	45.36 0.33 0.00	49.60 0.27 0.00	46.51 -0.67 0.00	63.87 -0.35 0.00	54.02 0.31 0.00	53.31 -0.07 0.00	50.52 0.59 0.00	50.73 0.64 0.00	49.25 0.79 0.00	51.42 1.22 0.00	49.80 1.37 0.00	42.96 1.63 0.00	37.20 0.89 0.00	35.29 0.33 0.00
HOLTSVILLE_IC_1 23690	29.07 2.20 0.00	32.86 2.27 0.00	34.16 1.98 0.00	30.01 1.61 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.89 2.05 0.00	37.35 2.54 0.00	40.32 2.89 0.00	56.81 4.15 -5.67	71.53 4.19 -22.31	77.16 4.74 -23.09	79.63 4.80 -27.66	86.78 6.74 -15.82	160.69 5.90 -101.07	132.85 5.80 -73.67	198.91 5.57 -143.41	390.10 5.73 -334.28	163.56 5.30 -109.79	137.41 4.93 -82.28	103.58 4.80 -50.35	78.95 3.66 -33.96	39.20 2.89 0.00	46.94 3.15 -8.84
HOLTSVILLE_IC_10 23699	29.29 2.42 0.00	33.10 2.50 0.00	34.39 2.21 0.00	30.21 1.81 0.00	33.48 1.94 0.00	37.44 2.10 0.00	39.19 2.35 0.00	37.62 2.81 0.00	40.61 3.18 0.00	57.30 4.64 -5.67	71.91 4.57 -22.31	77.56 5.14 -23.09	80.09 5.25 -27.67	87.78 7.38 -16.18	166.45 6.51 -106.22	148.65 6.52 -88.75	235.38 6.18 -179.26	423.43 6.34 -367.00	181.30 5.93 -126.91	140.12 5.56 -84.36	105.80 5.42 -51.95	79.45 4.16 -33.96	39.59 3.28 0.00	47.28 3.48 -8.84
HOLTSVILLE_IC_2 23691	29.07 2.20 0.00	32.86 2.27 0.00	34.16 1.98 0.00	30.01 1.61 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.89 2.05 0.00	37.35 2.54 0.00	40.32 2.89 0.00	56.81 4.15 -5.67	71.53 4.19 -22.31	77.16 4.74 -23.09	79.63 4.80 -27.66	86.78 6.74 -15.82	160.69 5.90 -101.07	132.85 5.80 -73.67	198.91 5.57 -143.41	390.10 5.73 -334.28	163.56 5.30 -109.79	137.41 4.93 -82.28	103.58 4.80 -50.35	78.95 3.66 -33.96	39.20 2.89 0.00	46.94 3.15 -8.84
HOLTSVILLE_IC_3 23692	29.07 2.20 0.00	32.86 2.27 0.00	34.16 1.98 0.00	30.01 1.61 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.89 2.05 0.00	37.35 2.54 0.00	40.32 2.89 0.00	56.81 4.15 -5.67	71.53 4.19 -22.31	77.16 4.74 -23.09	79.63 4.80 -27.66	86.78 6.74 -15.82	160.69 5.90 -101.07	132.85 5.80 -73.67	198.91 5.57 -143.41	390.10 5.73 -334.28	163.56 5.30 -109.79	137.41 4.93 -82.28	103.58 4.80 -50.35	78.95 3.66 -33.96	39.20 2.89 0.00	46.94 3.15 -8.84

HOLTSVILLE_IC_4 23693	29.07 2.20 0.00	32.86 2.27 0.00	34.16 1.98 0.00	30.01 1.61 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.89 2.05 0.00	37.35 2.54 0.00	40.32 2.89 0.00	56.81 4.15 -5.67	71.53 4.19 -22.31	77.16 4.74 -23.09	79.63 4.80 -27.66	86.78 6.74 -15.82	160.69 5.90 -101.07	132.85 5.80 -73.67	198.91 5.57 -143.41	390.10 5.73 -334.28	163.56 5.30 -109.79	137.41 4.93 -82.28	103.58 4.80 -50.35	78.95 3.66 -33.96	39.20 2.89 0.00	46.94 3.15 -8.84
HOLTSVILLE_IC_5 23694	29.07 2.20 0.00	32.86 2.27 0.00	34.16 1.98 0.00	30.01 1.61 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.89 2.05 0.00	37.35 2.54 0.00	40.32 2.89 0.00	56.81 4.15 -5.67	71.53 4.19 -22.31	77.16 4.74 -23.09	79.63 4.80 -27.66	86.78 6.74 -15.82	160.69 5.90 -101.07	132.85 5.80 -73.67	198.91 5.57 -143.41	390.10 5.73 -334.28	163.56 5.30 -109.79	137.41 4.93 -82.28	103.58 4.80 -50.35	78.95 3.66 -33.96	39.20 2.89 0.00	46.94 3.15 -8.84
HOLTSVILLE_IC_6 23695	29.29 2.42 0.00	33.10 2.50 0.00	34.39 2.21 0.00	30.21 1.81 0.00	33.48 1.94 0.00	37.44 2.10 0.00	39.19 2.35 0.00	37.62 2.81 0.00	40.61 3.18 0.00	57.30 4.64 -5.67	71.91 4.57 -22.31	77.56 5.14 -23.09	80.09 5.25 -27.67	87.78 7.38 -16.18	166.45 6.51 -106.22	148.65 6.52 -88.75	235.38 6.18 -179.26	423.43 6.34 -367.00	181.30 5.93 -126.91	140.12 5.56 -84.36	105.80 5.42 -51.95	79.45 4.16 -33.96	39.59 3.28 0.00	47.28 3.48 -8.84
HOLTSVILLE_IC_7 23696	29.29 2.42 0.00	33.10 2.50 0.00	34.39 2.21 0.00	30.21 1.81 0.00	33.48 1.94 0.00	37.44 2.10 0.00	39.19 2.35 0.00	37.62 2.81 0.00	40.61 3.18 0.00	57.30 4.64 -5.67	71.91 4.57 -22.31	77.56 5.14 -23.09	80.09 5.25 -27.67	87.78 7.38 -16.18	166.45 6.51 -106.22	148.65 6.52 -88.75	235.38 6.18 -179.26	423.43 6.34 -367.00	181.30 5.93 -126.91	140.12 5.56 -84.36	105.80 5.42 -51.95	79.45 4.16 -33.96	39.59 3.28 0.00	47.28 3.48 -8.84
HOLTSVILLE_IC_8 23697	29.29 2.42 0.00	33.10 2.50 0.00	34.39 2.21 0.00	30.21 1.81 0.00	33.48 1.94 0.00	37.44 2.10 0.00	39.19 2.35 0.00	37.62 2.81 0.00	40.61 3.18 0.00	57.30 4.64 -5.67	71.91 4.57 -22.31	77.56 5.14 -23.09	80.09 5.25 -27.67	87.78 7.38 -16.18	166.45 6.51 -106.22	148.65 6.52 -88.75	235.38 6.18 -179.26	423.43 6.34 -367.00	181.30 5.93 -126.91	140.12 5.56 -84.36	105.80 5.42 -51.95	79.45 4.16 -33.96	39.59 3.28 0.00	47.28 3.48 -8.84
HOLTSVILLE_IC_9 23698	29.29 2.42 0.00	33.10 2.50 0.00	34.39 2.21 0.00	30.21 1.81 0.00	33.48 1.94 0.00	37.44 2.10 0.00	39.19 2.35 0.00	37.62 2.81 0.00	40.61 3.18 0.00	57.30 4.64 -5.67	71.91 4.57 -22.31	77.56 5.14 -23.09	80.09 5.25 -27.67	87.78 7.38 -16.18	166.45 6.51 -106.22	148.65 6.52 -88.75	235.38 6.18 -179.26	423.43 6.34 -367.00	181.30 5.93 -126.91	140.12 5.56 -84.36	105.80 5.42 -51.95	79.45 4.16 -33.96	39.59 3.28 0.00	47.28 3.48 -8.84
HOMER_HL_115KV_TB2 355744	26.81 -0.06 0.00	30.23 -0.28 0.08	32.17 -0.01 0.00	29.75 -0.18 -1.54	31.48 -0.06 0.00	38.70 -0.03 -3.39	41.04 0.40 -3.79	35.08 0.27 0.00	38.03 0.59 0.00	47.78 0.80 0.00	45.56 0.53 0.00	49.59 0.25 0.00	46.93 -0.24 0.00	64.75 0.53 0.00	54.92 1.20 0.00	54.28 0.90 0.00	50.92 0.98 0.00	51.07 0.98 0.00	49.36 0.89 0.00	51.22 1.02 0.00	49.38 0.95 0.00	42.52 1.19 0.00	36.81 0.50 0.00	35.13 0.18 0.00
HOWARD_WT_PWR 323690	25.89 -0.98 0.00	30.63 -1.24 -1.28	31.01 -1.17 0.00	35.41 -1.24 -8.25	30.17 -1.37 0.00	52.63 -1.43 -18.72	56.62 -0.89 -20.68	33.97 -0.84 0.00	36.93 -0.51 0.00	47.13 0.04 -0.10	46.45 0.66 -0.76	50.69 0.48 -0.88	47.09 -0.76 -0.68	65.74 -0.06 -1.58	55.10 0.17 -1.21	53.87 -0.16 -0.64	51.57 0.68 -0.96	51.49 0.54 -0.86	50.36 0.95 -0.95	52.81 1.70 -0.90	51.54 2.18 -0.93	44.15 2.17 -0.64	37.94 1.30 -0.33	35.71 0.66 -0.11
HQ_GEN_CEDARS 23644	26.55 -0.32 0.00	30.38 -0.22 0.00	31.99 -0.19 0.00	28.27 -0.13 0.00	31.45 -0.10 0.00	35.26 -0.08 0.00	36.76 -0.08 0.00	34.55 -0.26 0.00	37.02 -0.42 0.00	46.22 -0.76 0.00	44.20 -0.83 0.00	48.42 -0.92 0.00	46.14 -1.03 0.00	62.45 -1.77 0.00	52.00 -1.72 0.00	50.67 -2.71 0.00	47.09 -2.84 0.00	47.38 -2.71 0.00	46.05 -2.41 0.00	47.98 -2.22 0.00	46.35 -2.08 0.00	39.73 -1.60 0.00	35.36 -0.95 0.00	34.08 -0.87 0.00
HQ_GEN_CEDARS_PROXY 323590	26.55 -0.32 0.00	30.38 -0.21 0.00	31.99 -0.19 0.00	28.27 -0.13 0.00	31.45 -0.10 0.00	35.26 -0.08 0.00	36.76 -0.07 0.00	34.55 -0.26 0.00	37.02 -0.42 0.00	46.22 -0.76 0.00	44.20 -0.83 0.00	48.42 -0.92 0.00	46.14 -1.03 0.00	62.45 -1.77 0.00	52.00 -1.72 0.00	50.67 -2.72 0.00	47.09 -2.84 0.00	47.37 -2.71 0.00	46.05 -2.42 0.00	47.98 -2.22 0.00	46.35 -2.08 0.00	39.73 -1.61 0.00	35.36 -0.95 0.00	34.08 -0.87 0.00
HQ_GEN_IMPORT 323601	20.57 -0.24 6.06	30.44 -0.16 0.00	32.03 -0.15 0.00	28.29 -0.11 0.00	31.43 -0.11 0.00	35.21 -0.13 0.00	36.69 -0.15 0.00	34.53 -0.28 0.00	37.04 -0.39 0.00	46.39 -0.60 0.00	44.40 -0.63 0.00	48.64 -0.70 0.00	46.37 -0.81 0.00	62.81 -1.41 0.00	52.36 -1.36 0.00	51.31 -1.56 0.51	48.41 -1.52 0.00	48.63 -1.45 0.00	47.07 -1.40 0.00	48.87 -1.33 0.00	47.11 -1.31 0.00	40.25 -1.09 0.00	35.54 -0.76 0.00	34.32 -0.63 0.00
HQ_GEN_WHEEL 23651	20.57 -0.24 6.06	30.44 -0.16 0.00	32.03 -0.15 0.00	28.29 -0.11 0.00	31.43 -0.11 0.00	35.21 -0.13 0.00	36.69 -0.15 0.00	34.53 -0.28 0.00	37.04 -0.39 0.00	46.39 -0.60 0.00	44.40 -0.63 0.00	48.64 -0.70 0.00	46.37 -0.81 0.00	62.81 -1.41 0.00	52.36 -1.36 0.00	51.31 -1.56 0.51	48.41 -1.52 0.00	48.63 -1.45 0.00	47.07 -1.40 0.00	48.87 -1.33 0.00	47.11 -1.31 0.00	40.25 -1.09 0.00	35.54 -0.76 0.00	34.32 -0.63 0.00
HUDSON_AVE_GT_3 23810	28.74 1.88 0.00	32.42 1.83 0.00	33.83 1.65 0.00	29.83 1.44 0.00	33.02 1.48 0.00	36.87 1.53 0.00	38.42 1.58 0.00	36.82 2.01 0.00	39.77 2.34 0.00	50.14 3.15 0.00	48.13 3.10 0.00	52.89 3.56 0.00	50.97 3.80 0.00	69.94 5.72 0.00	116.56 5.09 -57.75	97.66 5.48 -38.80	118.65 5.23 -63.49	110.20 5.09 -55.02	81.32 4.70 -28.15	106.96 4.33 -52.43	53.04 3.97 -0.64	62.67 3.15 -18.19	38.99 2.68 0.00	37.62 2.67 0.00
HUDSON_AVE_GT_4 23540	28.74 1.88 0.00	32.42 1.83 0.00	33.83 1.65 0.00	29.83 1.44 0.00	33.02 1.48 0.00	36.87 1.53 0.00	38.42 1.58 0.00	36.82 2.01 0.00	39.77 2.34 0.00	50.14 3.15 0.00	48.13 3.10 0.00	52.89 3.56 0.00	50.97 3.80 0.00	69.94 5.72 0.00	116.56 5.09 -57.75	97.66 5.48 -38.80	118.65 5.23 -63.49	110.20 5.09 -55.02	81.32 4.70 -28.15	106.96 4.33 -52.43	53.04 3.97 -0.64	62.67 3.15 -18.19	38.99 2.68 0.00	37.62 2.67 0.00
HUDSON_AVE_GT_5 23657	28.74 1.88 0.00	32.42 1.83 0.00	33.83 1.65 0.00	29.83 1.44 0.00	33.02 1.48 0.00	36.87 1.53 0.00	38.42 1.58 0.00	36.82 2.01 0.00	39.77 2.34 0.00	50.14 3.15 0.00	48.13 3.10 0.00	52.89 3.56 0.00	50.97 3.80 0.00	69.94 5.72 0.00	116.56 5.09 -57.75	97.66 5.48 -38.80	118.65 5.23 -63.49	110.20 5.09 -55.02	81.32 4.70 -28.15	106.96 4.33 -52.43	53.04 3.97 -0.64	62.67 3.15 -18.19	38.99 2.68 0.00	37.62 2.67 0.00

HUDSON_AVE_10 24168	28.67 1.80 0.00	32.33 1.74 0.00	33.73 1.54 0.00	29.76 1.37 0.00	32.94 1.39 0.00	36.76 1.42 0.00	38.35 1.52 0.00	36.76 1.94 0.00	39.69 2.26 0.00	50.01 3.03 0.00	47.93 2.90 0.00	52.67 3.33 0.00	50.75 3.58 0.00	69.65 5.43 0.00	116.32 4.86 -57.75	97.43 5.25 -38.80	118.43 5.01 -63.49	109.99 4.88 -55.02	81.12 4.50 -28.15	106.76 4.13 -52.43	52.84 3.77 -0.64	62.50 2.98 -18.19	38.89 2.58 0.00	37.51 2.56 0.00
HUDSON___115KV_TB 4 355613	28.19 1.32 0.00	32.01 1.41 0.00	33.62 1.44 0.00	29.67 1.27 0.00	32.94 1.40 0.00	36.84 1.50 0.00	38.33 1.49 0.00	36.36 1.55 0.00	38.89 1.46 0.00	48.65 1.66 0.00	46.55 1.52 0.00	50.94 1.60 0.00	48.87 1.70 0.00	66.96 2.74 0.00	70.29 2.43 -14.15	67.24 2.64 -11.22	71.75 2.46 -19.35	70.03 2.22 -17.72	59.36 2.20 -8.69	64.96 2.24 -12.52	50.81 2.23 -0.15	47.53 1.79 -4.41	38.02 1.71 0.00	36.68 1.73 0.00
HUNTER MOUNT___DRP 323613	28.41 1.54 0.00	32.27 1.68 0.00	33.91 1.73 0.00	29.94 1.55 0.00	33.25 1.70 0.00	37.20 1.86 0.00	38.71 1.88 0.00	36.67 1.86 0.00	39.15 1.71 0.00	48.81 1.82 0.00	46.65 1.61 0.00	51.06 1.72 0.00	48.91 1.74 0.00	67.01 2.80 0.00	67.89 2.56 -11.62	66.49 2.74 -10.37	70.98 2.60 -18.44	69.78 2.30 -17.40	59.15 2.35 -8.34	61.34 2.48 -8.66	51.06 2.52 -0.12	46.97 2.05 -3.59	38.31 2.00 0.00	36.96 2.01 0.00
HUNTINGTON_RES_REC 323705	29.21 2.34 0.00	32.97 2.38 0.00	34.23 2.05 0.00	30.09 1.69 0.00	33.29 1.74 0.00	37.21 1.87 0.00	38.91 2.08 0.00	37.41 2.60 0.00	40.37 2.93 0.00	56.91 4.25 -5.67	71.71 4.37 -22.31	77.35 4.93 -23.09	79.99 5.03 -27.79	95.84 7.31 -24.31	246.18 6.44 -186.02	303.95 6.27 -244.29	607.22 5.98 -551.30	966.04 6.09 -909.86	420.76 5.71 -366.59	175.52 5.32 -120.00	136.85 5.18 -83.25	79.23 3.94 -33.96	39.41 3.10 0.00	47.07 3.28 -8.84
HUNTLEY___63 23557	26.81 -0.06 0.00	29.81 -0.43 0.35	32.20 0.02 0.00	29.10 -0.06 -0.77	31.61 0.06 0.00	37.06 0.06 -1.66	39.03 0.38 -1.80	34.93 0.12 0.00	38.12 0.68 0.00	47.79 0.81 0.00	45.54 0.51 0.00	49.74 0.41 0.00	46.70 -0.47 0.00	63.95 -0.27 0.00	54.21 0.50 0.00	53.45 0.06 0.00	50.48 0.54 0.00	50.71 0.63 0.00	49.20 0.74 0.00	51.29 1.09 0.00	49.59 1.16 0.00	42.76 1.43 0.00	37.14 0.83 0.00	35.31 0.36 0.00
HUNTLEY___64 23558	26.81 -0.06 0.00	29.81 -0.43 0.35	32.20 0.02 0.00	29.10 -0.06 -0.77	31.61 0.06 0.00	37.06 0.06 -1.66	39.03 0.38 -1.80	34.93 0.12 0.00	38.12 0.68 0.00	47.79 0.81 0.00	45.54 0.51 0.00	49.74 0.41 0.00	46.70 -0.47 0.00	63.95 -0.27 0.00	54.21 0.50 0.00	53.45 0.06 0.00	50.48 0.54 0.00	50.71 0.63 0.00	49.20 0.74 0.00	51.29 1.09 0.00	49.59 1.16 0.00	42.76 1.43 0.00	37.14 0.83 0.00	35.31 0.36 0.00
HUNTLEY___65 23559	26.81 -0.06 0.00	29.81 -0.43 0.35	32.20 0.02 0.00	29.10 -0.06 -0.77	31.61 0.06 0.00	37.06 0.06 -1.66	39.03 0.38 -1.80	34.93 0.12 0.00	38.12 0.68 0.00	47.79 0.81 0.00	45.54 0.51 0.00	49.74 0.41 0.00	46.70 -0.47 0.00	63.95 -0.27 0.00	54.21 0.50 0.00	53.45 0.06 0.00	50.48 0.54 0.00	50.71 0.63 0.00	49.20 0.74 0.00	51.29 1.09 0.00	49.59 1.16 0.00	42.76 1.43 0.00	37.14 0.83 0.00	35.31 0.36 0.00
HUNTLEY___66 23560	26.81 -0.06 0.00	29.81 -0.43 0.35	32.20 0.02 0.00	29.10 -0.06 -0.77	31.61 0.06 0.00	37.06 0.06 -1.66	39.03 0.38 -1.80	34.93 0.12 0.00	38.12 0.68 0.00	47.79 0.81 0.00	45.54 0.51 0.00	49.74 0.41 0.00	46.70 -0.47 0.00	63.95 -0.27 0.00	54.21 0.50 0.00	53.45 0.06 0.00	50.48 0.54 0.00	50.71 0.63 0.00	49.20 0.74 0.00	51.29 1.09 0.00	49.59 1.16 0.00	42.76 1.43 0.00	37.14 0.83 0.00	35.31 0.36 0.00
HUNTLEY___67 23561	26.65 -0.22 0.00	29.58 -0.61 0.41	32.01 -0.17 0.00	28.88 -0.23 -0.72	31.41 -0.13 0.00	36.75 -0.14 -1.54	38.77 0.24 -1.68	34.73 -0.08 0.00	37.85 0.42 0.00	47.52 0.53 0.00	45.32 0.29 0.00	49.60 0.27 0.00	46.66 -0.52 0.00	63.92 -0.30 0.00	54.18 0.46 0.00	53.47 0.09 0.00	50.48 0.54 0.00	50.67 0.59 0.00	49.16 0.70 0.00	51.24 1.04 0.00	49.54 1.11 0.00	42.74 1.40 0.00	37.06 0.75 0.00	35.24 0.28 0.00
HUNTLEY___68 23562	26.65 -0.22 0.00	29.58 -0.61 0.41	32.01 -0.17 0.00	28.88 -0.23 -0.72	31.41 -0.13 0.00	36.75 -0.14 -1.54	38.77 0.24 -1.68	34.73 -0.08 0.00	37.85 0.42 0.00	47.52 0.53 0.00	45.32 0.29 0.00	49.60 0.27 0.00	46.66 -0.52 0.00	63.92 -0.30 0.00	54.18 0.46 0.00	53.47 0.09 0.00	50.48 0.54 0.00	50.67 0.59 0.00	49.16 0.70 0.00	51.24 1.04 0.00	49.54 1.11 0.00	42.74 1.40 0.00	37.06 0.75 0.00	35.24 0.28 0.00
HYLAND___LFGE 323620	28.09 1.22 0.00	33.06 1.04 -1.42	33.48 1.30 0.00	39.39 0.99 -10.00	32.80 1.26 0.00	59.56 1.52 -22.70	64.06 2.15 -25.08	36.61 1.80 0.00	38.81 1.38 0.00	48.55 1.56 0.00	45.57 0.54 0.00	48.05 -1.28 0.00	43.74 -3.43 0.00	59.26 -4.96 0.00	50.68 -3.04 0.00	51.03 -2.36 0.00	48.81 -1.12 0.00	48.31 -1.78 0.00	47.88 -0.58 0.00	50.39 0.18 0.00	49.31 0.89 0.00	42.89 1.56 0.00	38.91 2.60 0.00	36.97 2.02 0.00
INDECK___CORINTH 23802	28.54 1.67 0.00	32.26 1.66 0.00	33.78 1.60 0.00	29.81 1.42 0.00	33.08 1.54 0.00	36.98 1.64 0.00	38.56 1.73 0.00	36.71 1.90 0.00	39.48 2.04 0.00	49.71 2.72 0.00	47.33 2.30 0.00	51.81 2.47 0.00	49.79 2.62 0.00	67.66 3.44 0.00	72.40 2.77 -15.91	68.50 3.59 -11.52	72.85 3.58 -19.34	70.68 3.37 -17.22	60.77 3.68 -8.63	68.05 3.77 -14.08	52.26 3.65 -0.18	49.41 3.09 -4.99	38.78 2.47 0.00	37.10 2.15 0.00
INDECK___ILION 23567	27.15 0.28 0.00	30.85 0.26 0.00	32.41 0.23 0.00	28.57 0.18 0.00	31.74 0.20 0.00	35.49 0.14 0.00	36.92 0.08 0.00	35.04 0.23 0.00	37.63 0.20 0.00	47.27 0.28 0.00	45.48 0.45 0.00	49.84 0.50 0.00	47.86 0.69 0.00	65.29 1.07 0.00	54.42 0.70 0.00	54.24 0.85 0.00	50.60 0.66 0.00	50.66 0.58 0.00	49.15 0.69 0.00	51.03 0.83 0.00	49.33 0.91 0.00	42.03 0.70 0.00	36.79 0.48 0.00	35.41 0.46 0.00
INDECK___OLEAN 23982	26.80 -0.06 0.00	30.24 -0.28 0.08	32.17 -0.01 0.00	29.74 -0.18 -1.53	31.48 -0.07 0.00	38.69 -0.04 -3.39	40.99 0.39 -3.76	35.08 0.27 0.00	38.03 0.60 0.00	47.78 0.80 0.00	45.58 0.55 0.00	49.62 0.29 0.00	46.95 -0.22 0.00	64.75 0.53 0.00	54.92 1.20 0.00	54.30 0.92 0.00	50.95 1.01 0.00	51.08 0.99 0.00	49.37 0.91 0.00	51.23 1.03 0.00	49.38 0.95 0.00	42.53 1.20 0.00	36.80 0.49 0.00	35.13 0.18 0.00
INDECK___OSWEGO 23783	25.97 -0.90 0.00	29.48 -1.11 0.00	31.21 -0.97 0.00	27.58 -0.81 0.00	30.62 -0.93 0.00	34.32 -1.02 0.00	35.86 -0.98 0.00	33.89 -0.92 0.00	36.48 -0.95 0.00	46.87 -1.21 -1.09	52.23 -1.15 -8.34	57.66 -1.25 -9.58	53.40 -1.17 -7.40	80.14 -1.41 -17.33	65.86 -1.04 -13.18	59.37 -1.05 -7.04	59.48 -0.91 -10.46	58.64 -0.90 -9.45	57.98 -0.86 -10.38	59.28 -0.82 -9.90	57.90 -0.74 -10.22	47.71 -0.61 -6.99	39.18 -0.73 -3.60	35.29 -0.84 -1.18



INDECK___YERKES 23781	26.84 -0.03 0.00	29.85 -0.40 0.35	32.23 0.05 0.00	29.13 -0.03 -0.77	31.64 0.09 0.00	37.08 0.08 -1.66	39.07 0.41 -1.82	34.97 0.16 0.00	38.16 0.73 0.00	47.85 0.87 0.00	45.60 0.57 0.00	49.81 0.47 0.00	46.73 -0.45 0.00	63.97 -0.24 0.00	54.23 0.51 0.00	53.47 0.09 0.00	50.51 0.57 0.00	50.75 0.66 0.00	49.22 0.76 0.00	51.30 1.10 0.00	49.59 1.16 0.00	42.77 1.44 0.00	37.12 0.81 0.00	35.30 0.35 0.00
INDIAN POINT_GT_1 24139	28.43 1.56 0.00	32.11 1.52 0.00	33.54 1.36 0.00	29.56 1.17 0.00	32.75 1.20 0.00	36.61 1.26 0.00	38.14 1.30 0.00	36.52 1.70 0.00	39.42 1.99 0.00	49.74 2.75 0.00	47.79 2.76 0.00	52.48 3.14 0.00	50.53 3.36 0.00	69.28 5.06 0.00	119.77 4.53 -61.52	100.42 4.95 -42.09	123.93 4.69 -69.30	115.17 4.60 -60.48	83.49 4.25 -30.78	172.26 3.85 -118.20	52.91 3.56 -0.92	63.48 2.79 -19.36	38.62 2.31 0.00	37.24 2.29 0.00
INDIAN POINT_GT_2 23659	28.43 1.56 0.00	32.11 1.52 0.00	33.54 1.36 0.00	29.56 1.17 0.00	32.75 1.20 0.00	36.61 1.26 0.00	38.14 1.30 0.00	36.52 1.70 0.00	39.42 1.99 0.00	49.74 2.75 0.00	47.79 2.76 0.00	52.48 3.14 0.00	50.53 3.36 0.00	69.28 5.06 0.00	119.77 4.53 -61.52	100.42 4.95 -42.09	123.93 4.69 -69.30	115.17 4.60 -60.48	83.49 4.25 -30.78	172.26 3.85 -118.20	52.91 3.56 -0.92	63.48 2.79 -19.36	38.62 2.31 0.00	37.24 2.29 0.00
INDIAN POINT_GT_3 24019	28.43 1.56 0.00	32.11 1.52 0.00	33.54 1.36 0.00	29.56 1.17 0.00	32.75 1.20 0.00	36.61 1.26 0.00	38.14 1.30 0.00	36.52 1.70 0.00	39.42 1.99 0.00	49.74 2.75 0.00	47.79 2.76 0.00	52.48 3.14 0.00	50.53 3.36 0.00	69.28 5.06 0.00	119.77 4.53 -61.52	100.42 4.95 -42.09	123.93 4.69 -69.30	115.17 4.60 -60.48	83.49 4.25 -30.78	172.26 3.85 -118.20	52.91 3.56 -0.92	63.48 2.79 -19.36	38.62 2.31 0.00	37.24 2.29 0.00
INDIAN POINT___2 23530	28.36 1.49 0.00	32.04 1.45 0.00	33.47 1.29 0.00	29.50 1.11 0.00	32.68 1.13 0.00	36.54 1.19 0.00	38.07 1.23 0.00	36.44 1.63 0.00	39.35 1.91 0.00	49.64 2.66 0.00	47.68 2.65 0.00	52.37 3.03 0.00	50.42 3.24 0.00	69.14 4.92 0.00	131.15 4.42 -73.01	106.01 4.85 -47.78	131.97 4.59 -77.45	121.00 4.50 -66.41	86.87 4.14 -34.26	88.84 3.74 -34.90	52.58 3.45 -0.70	67.07 2.70 -23.03	38.55 2.24 0.00	37.17 2.22 0.00
INDIAN POINT___3 23531	28.38 1.51 0.00	32.06 1.47 0.00	33.49 1.31 0.00	29.53 1.13 0.00	32.71 1.16 0.00	36.55 1.21 0.00	38.08 1.25 0.00	36.45 1.64 0.00	39.35 1.92 0.00	49.64 2.66 0.00	47.70 2.67 0.00	52.38 3.04 0.00	50.42 3.25 0.00	69.13 4.91 0.00	120.44 4.39 -62.33	100.57 4.81 -42.38	124.13 4.56 -69.64	115.17 4.46 -60.63	83.49 4.11 -30.91	97.31 3.73 -43.37	52.51 3.44 -0.65	63.65 2.70 -19.62	38.55 2.24 0.00	37.17 2.22 0.00
INGHAM_C_115KV_TB7 356103	27.25 0.38 0.00	30.94 0.34 0.00	32.45 0.27 0.00	28.56 0.17 0.00	31.73 0.19 0.00	35.43 0.09 0.00	36.83 -0.01 0.00	35.13 0.32 0.00	37.65 0.21 0.00	47.31 0.33 0.00	45.71 0.68 0.00	50.05 0.71 0.00	48.28 1.11 0.00	65.91 1.69 0.00	54.68 0.96 0.00	54.71 1.33 0.00	50.85 0.92 0.00	50.71 0.63 0.00	49.41 0.94 0.00	51.43 1.23 0.00	49.89 1.46 0.00	42.43 1.10 0.00	37.04 0.73 0.00	35.69 0.73 0.00
IP CORINTH___1 23988	28.69 1.82 0.00	32.43 1.84 0.00	33.96 1.78 0.00	29.98 1.58 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.77 1.94 0.00	36.91 2.10 0.00	39.69 2.26 0.00	49.97 2.99 0.00	47.60 2.57 0.00	52.10 2.76 0.00	50.08 2.90 0.00	68.04 3.82 0.00	72.72 3.10 -15.91	68.81 3.91 -11.52	73.15 3.88 -19.34	70.98 3.67 -17.22	61.05 3.96 -8.63	68.35 4.07 -14.08	52.54 3.94 -0.18	49.65 3.34 -4.99	38.99 2.68 0.00	37.30 2.35 0.00
IP___TICONDEROGA 23804	30.35 3.48 0.00	34.00 3.41 0.00	35.52 3.34 0.00	31.42 3.03 0.00	34.83 3.29 0.00	38.73 3.39 0.00	40.55 3.71 0.00	38.68 3.87 0.00	41.49 4.06 0.00	52.44 5.45 0.00	50.38 5.35 0.00	54.92 5.58 0.00	53.05 5.88 0.00	72.44 8.23 0.00	76.15 6.45 -15.98	72.96 8.00 -11.57	77.27 7.91 -19.42	75.06 7.69 -17.29	64.97 7.84 -8.66	72.19 7.85 -14.15	55.94 7.34 -0.18	52.29 5.95 -5.01	41.05 4.74 0.00	39.33 4.38 0.00
ISLIP_RES_REC 323679	29.47 2.60 0.00	33.29 2.70 0.00	34.61 2.43 0.00	30.38 1.99 0.00	33.67 2.13 0.00	37.69 2.35 0.00	39.48 2.64 0.00	37.92 3.11 0.00	40.99 3.55 0.00	57.77 5.11 -5.67	72.39 5.04 -22.31	78.12 5.70 -23.09	80.62 5.79 -27.66	88.04 8.17 -15.65	163.01 7.18 -102.11	144.77 7.13 -84.26	225.07 6.78 -168.35	397.32 6.97 -340.26	174.07 6.50 -119.11	138.70 6.13 -82.37	104.41 5.94 -50.05	79.89 4.60 -33.96	39.93 3.62 0.00	47.56 3.77 -8.84
JAMAICA__27_KV_LOAD 355505	28.89 2.02 0.00	32.57 1.98 0.00	33.97 1.79 0.00	30.00 1.60 0.00	33.18 1.64 0.00	37.04 1.69 0.00	38.80 1.96 0.00	37.14 2.33 0.00	40.10 2.67 0.00	50.45 3.46 0.00	48.16 3.13 0.00	52.90 3.56 0.00	50.98 3.81 0.00	69.99 5.78 0.00	116.65 5.19 -57.75	97.81 5.63 -38.80	118.77 5.36 -63.49	110.33 5.22 -55.02	81.47 4.85 -28.15	107.16 4.53 -52.43	53.26 4.19 -0.64	62.86 3.34 -18.19	39.27 2.96 0.00	37.82 2.86 0.00
JANIS___SOLAR 323808	27.88 1.01 0.00	31.70 1.02 -0.09	33.26 1.08 0.00	29.31 0.91 0.00	32.66 1.11 0.00	36.66 1.32 0.00	38.43 1.59 0.00	36.42 1.61 0.00	39.34 1.90 0.00	49.38 2.18 -0.22	49.18 2.47 -1.68	54.00 2.74 -1.92	51.14 2.48 -1.49	71.89 4.19 -3.48	59.93 3.56 -2.65	58.27 3.47 -1.41	55.55 3.51 -2.10	55.68 3.70 -1.90	54.04 3.49 -2.09	56.02 3.83 -1.99	54.33 3.85 -2.05	46.03 3.29 -1.41	39.44 2.41 -0.72	37.18 2.00 -0.24
JARVIS____ 23743	26.98 0.11 0.00	30.71 0.11 0.00	32.30 0.12 0.00	28.50 0.10 0.00	31.66 0.11 0.00	35.41 0.07 0.00	36.87 0.04 0.00	34.88 0.07 0.00	37.51 0.07 0.00	47.08 0.09 0.00	45.15 0.12 0.00	49.49 0.15 0.00	47.38 0.20 0.00	64.60 0.38 0.00	54.02 0.30 0.00	53.71 0.33 0.00	50.26 0.32 0.00	50.39 0.30 0.00	48.76 0.29 0.00	50.50 0.30 0.00	48.76 0.33 0.00	41.62 0.29 0.00	36.50 0.19 0.00	35.13 0.17 0.00
JENNISON___1 23625	28.09 1.22 0.00	31.90 1.31 0.00	33.56 1.38 0.00	29.05 1.17 0.52	32.93 1.38 0.00	35.69 1.59 1.24	37.31 1.84 1.37	36.73 1.92 0.00	39.68 2.25 0.00	49.94 2.80 -0.15	49.24 3.02 -1.18	54.12 3.42 -1.35	51.49 3.28 -1.05	71.82 5.14 -2.45	60.09 4.51 -1.86	58.51 4.14 -1.00	55.55 4.14 -1.48	55.49 4.07 -1.34	53.86 3.93 -1.47	55.71 4.11 -1.40	53.86 3.99 -1.45	45.72 3.40 -0.99	39.35 2.53 -0.51	37.30 2.18 -0.17
JENNISON___2 23626	28.09 1.22 0.00	31.90 1.31 0.00	33.56 1.38 0.00	29.05 1.17 0.52	32.93 1.38 0.00	35.69 1.59 1.24	37.31 1.84 1.37	36.73 1.92 0.00	39.68 2.25 0.00	49.94 2.80 -0.15	49.24 3.02 -1.18	54.12 3.42 -1.35	51.49 3.28 -1.05	71.82 5.14 -2.45	60.09 4.51 -1.86	58.51 4.14 -1.00	55.55 4.14 -1.48	55.49 4.07 -1.34	53.86 3.93 -1.47	55.71 4.11 -1.40	53.86 3.99 -1.45	45.72 3.40 -0.99	39.35 2.53 -0.51	37.30 2.18 -0.17

JERICO_RISE_WT_PWR 323719	26.69 -0.18 0.00	30.72 0.13 0.00	32.28 0.10 0.00	28.53 0.13 0.00	31.74 0.19 0.00	35.58 0.24 0.00	36.89 0.05 0.00	34.70 -0.11 0.00	37.11 -0.32 0.00	46.17 -0.82 0.00	44.06 -0.97 0.00	48.21 -1.13 0.00	45.94 -1.23 0.00	61.98 -2.24 0.00	51.42 -2.30 0.00	50.73 -2.65 0.00	47.44 -2.49 0.00	47.78 -2.30 0.00	46.36 -2.11 0.00	48.21 -1.99 0.00	46.25 -2.18 0.00	39.35 -1.99 0.00	34.77 -1.54 0.00	33.50 -1.45 0.00
KATONAH__115KV_46KV_TB4 355592	28.71 1.84 0.00	32.43 1.83 0.00	33.87 1.69 0.00	29.84 1.45 0.00	33.05 1.51 0.00	36.96 1.62 0.00	38.53 1.69 0.00	36.87 2.06 0.00	39.81 2.38 0.00	50.25 3.27 0.00	48.35 3.32 0.00	53.10 3.77 0.00	51.16 3.99 0.00	70.16 5.94 0.00	104.58 5.30 -45.56	90.77 5.73 -31.66	107.79 5.44 -52.41	101.40 5.31 -46.00	76.64 4.86 -23.31	95.18 4.51 -40.47	53.12 4.19 -0.51	58.94 3.29 -14.32	39.04 2.73 0.00	37.63 2.67 0.00
KCE_NY_1 323755	28.71 1.84 0.00	32.54 1.95 0.00	34.14 1.97 0.00	30.13 1.74 0.00	33.43 1.89 0.00	37.39 2.05 0.00	38.94 2.10 0.00	37.01 2.20 0.00	39.80 2.36 0.00	50.09 3.11 0.00	47.95 2.91 0.00	52.55 3.21 0.00	50.48 3.31 0.00	68.70 4.48 0.00	73.51 3.71 -16.08	69.26 4.23 -11.64	73.43 3.96 -19.53	71.35 3.87 -17.39	61.06 3.88 -8.72	68.47 4.04 -14.23	52.45 3.85 -0.18	49.53 3.16 -5.04	38.94 2.63 0.00	37.37 2.42 0.00
KCE_NY_6_ESR 323823	26.90 0.03 0.00	29.88 -0.29 0.42	32.25 0.07 0.00	29.08 -0.07 -0.76	31.62 0.08 0.00	37.07 0.10 -1.63	39.16 0.53 -1.79	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.99 0.96 0.00	50.37 1.03 0.00	47.39 0.22 0.00	65.01 0.79 0.00	55.05 1.33 0.00	54.31 0.92 0.00	51.29 1.36 0.00	51.49 1.40 0.00	49.88 1.42 0.00	51.99 1.79 0.00	50.24 1.82 0.00	43.32 1.99 0.00	37.51 1.20 0.00	35.65 0.69 0.00
KEDC_PORT_JEFF_GT2 24210	29.13 2.26 0.00	32.93 2.33 0.00	34.22 2.04 0.00	30.05 1.66 0.00	33.30 1.76 0.00	37.24 1.90 0.00	38.97 2.13 0.00	37.42 2.61 0.00	40.32 2.89 0.00	56.86 4.20 -5.67	71.61 4.27 -22.31	77.29 4.87 -23.09	79.94 5.09 -27.68	88.28 7.16 -16.90	172.64 6.22 -112.70	158.78 6.00 -99.40	260.56 5.81 -204.82	456.37 5.70 -400.58	185.75 5.26 -132.03	142.49 4.95 -87.34	108.08 4.99 -54.66	79.15 3.85 -33.96	39.32 3.01 0.00	47.04 3.25 -8.84
KEDC_PORT_JEFF_GT3 24211	29.13 2.26 0.00	32.93 2.33 0.00	34.22 2.04 0.00	30.05 1.66 0.00	33.30 1.76 0.00	37.24 1.90 0.00	38.97 2.13 0.00	37.42 2.61 0.00	40.32 2.89 -5.67	56.86 4.20 -22.31	71.61 4.27 -23.09	77.29 4.87 -27.68	79.94 5.09 -27.68	88.28 7.16 -16.90	172.64 6.22 -112.70	158.78 6.00 -99.40	260.56 5.81 -204.82	456.37 5.70 -400.58	185.75 5.26 -132.03	142.49 4.95 -87.34	108.08 4.99 -54.66	79.15 3.85 -33.96	39.32 3.01 0.00	47.04 3.25 -8.84
KEDC_GLWD_GT4 24219	28.81 1.94 0.00	32.69 2.10 0.00	34.05 1.87 0.00	29.99 1.60 0.00	33.22 1.67 0.00	37.14 1.80 0.00	38.73 1.90 0.00	37.10 2.30 0.00	39.86 2.43 0.00	52.26 3.43 -1.84	70.02 3.55 -21.43	76.48 4.06 -23.09	78.99 4.24 -27.58	80.75 6.32 -10.22	120.55 5.57 -61.26	103.45 5.84 -44.23	126.30 5.57 -70.79	129.45 5.51 -73.85	98.17 5.11 -44.59	117.38 4.72 -62.46	83.59 4.42 -30.74	78.73 3.44 -33.96	39.07 2.76 0.00	46.58 2.78 -8.84
KEDC_GLWD_GT5 24220	28.81 1.94 0.00	32.69 2.10 0.00	34.05 1.87 0.00	29.99 1.60 0.00	33.22 1.67 0.00	37.14 1.80 0.00	38.73 1.90 0.00	37.10 2.30 0.00	39.86 2.43 -1.84	52.26 3.43 -21.43	70.02 3.55 -23.09	76.48 4.06 -27.58	78.99 4.24 -27.58	80.75 6.32 -10.22	120.55 5.57 -61.26	103.45 5.84 -44.23	126.30 5.57 -70.79	129.45 5.51 -73.85	98.17 5.11 -44.59	117.38 4.72 -62.46	83.59 4.42 -30.74	78.73 3.44 -33.96	39.07 2.76 0.00	46.58 2.78 -8.84
KENSICO____ 23655	28.54 1.67 0.00	32.24 1.64 0.00	33.66 1.48 0.00	29.67 1.28 0.00	32.86 1.32 0.00	36.72 1.38 0.00	38.27 1.43 0.00	36.63 1.82 0.00	39.55 2.12 0.00	49.89 2.91 0.00	47.95 2.92 0.00	52.67 3.33 0.00	50.71 3.54 0.00	69.53 5.31 0.00	117.61 4.73 -59.17	98.28 5.13 -39.77	119.87 4.86 -65.08	111.25 4.76 -56.41	81.73 4.40 -28.86	108.53 4.03 -54.30	52.81 3.72 -0.66	62.89 2.92 -18.64	38.75 2.44 0.00	37.38 2.43 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	28.55 1.68 0.00	32.27 1.67 0.00	33.72 1.53 0.00	29.69 1.30 0.00	32.90 1.35 0.00	36.81 1.47 0.00	38.42 1.58 0.00	36.94 2.14 0.00	39.95 2.51 0.00	50.49 3.50 0.00	48.86 3.83 0.00	53.59 4.26 0.00	51.52 4.34 0.00	70.19 5.97 0.00	52.10 5.30 6.92	57.08 5.68 1.98	53.30 5.07 1.70	55.19 5.11 0.00	52.48 4.60 0.58	48.96 4.20 5.44	52.27 3.92 0.08	42.46 3.38 2.26	39.01 2.70 0.00	37.52 2.57 0.00
KIAC_JFK_GT1 23816	28.79 1.92 0.00	32.47 1.87 0.00	33.86 1.68 0.00	29.91 1.52 0.00	33.09 1.54 0.00	36.91 1.57 0.00	38.68 1.84 0.00	37.02 2.21 0.00	39.97 2.53 0.00	50.28 3.30 0.00	47.97 2.94 0.00	52.66 3.33 0.00	50.76 3.59 0.00	69.69 5.47 0.00	116.40 4.94 -57.75	97.56 5.37 -38.80	118.55 5.13 -63.49	110.09 4.99 -55.02	81.24 4.62 -28.15	106.92 4.30 -52.43	53.02 3.94 -0.64	62.67 3.15 -18.19	39.11 2.80 0.00	37.67 2.72 0.00
KIAC_JFK_GT2 23817	28.79 1.92 0.00	32.47 1.87 0.00	33.86 1.68 0.00	29.91 1.52 0.00	33.09 1.54 0.00	36.91 1.57 0.00	38.68 1.84 0.00	37.02 2.21 0.00	39.97 2.53 0.00	50.28 3.30 0.00	47.97 2.94 0.00	52.66 3.33 0.00	50.76 3.59 0.00	69.69 5.47 0.00	116.40 4.94 -57.75	97.56 5.37 -38.80	118.55 5.13 -63.49	110.09 4.99 -55.02	81.24 4.62 -28.15	106.92 4.30 -52.43	53.02 3.94 -0.64	62.67 3.15 -18.19	39.11 2.80 0.00	37.67 2.72 0.00
KIAC_JFK____ 323774	28.79 1.92 0.00	32.46 1.87 0.00	33.86 1.68 0.00	29.91 1.52 0.00	33.09 1.54 0.00	36.91 1.57 0.00	38.68 1.84 0.00	37.02 2.21 0.00	39.97 2.54 0.00	50.28 3.30 0.00	47.97 2.94 0.00	52.65 3.31 0.00	50.75 3.57 0.00	69.68 5.46 0.00	116.40 4.93 -57.75	97.56 5.37 -38.80	118.55 5.13 -63.49	110.09 4.98 -55.02	81.24 4.62 -28.15	106.92 4.29 -52.43	53.02 3.94 -0.64	62.66 3.14 -18.19	39.11 2.80 0.00	37.67 2.72 0.00
KINTIGH____ 23543	26.66 -0.21 0.00	29.79 -0.59 0.21	31.96 -0.21 0.00	28.90 -0.24 -0.75	31.39 -0.15 0.00	36.79 -0.15 -1.60	38.76 0.17 -1.75	34.69 -0.12 0.00	37.71 0.28 0.00	47.35 0.36 0.00	45.13 0.09 0.00	49.40 0.06 0.00	46.58 -0.60 0.00	63.77 -0.45 0.00	53.99 0.27 0.00	53.35 -0.03 0.00	50.18 0.25 0.00	50.38 0.29 0.00	48.88 0.42 0.00	50.89 0.69 0.00	49.15 0.72 0.00	42.38 1.05 0.00	36.82 0.51 0.00	35.07 0.12 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	27.09 0.22 0.00	31.13 0.54 0.00	32.73 0.55 0.00	28.94 0.55 0.00	32.18 0.64 0.00	36.13 0.79 0.00	37.49 0.65 0.00	35.21 0.40 0.00	37.57 0.14 0.00	46.54 -0.45 0.00	44.26 -0.78 0.00	48.40 -0.94 0.00	46.07 -1.10 0.00	62.13 -2.09 0.00	51.41 -2.31 0.00	50.87 -2.51 0.00	47.51 -2.42 0.00	47.62 -2.47 0.00	46.27 -2.20 0.00	48.18 -2.02 0.00	46.25 -2.18 0.00	39.28 -2.05 0.00	34.66 -1.65 0.00	33.34 -1.62 0.00

LACHUTE___HYDRO 323717	30.35 3.48 0.00	34.00 3.41 0.00	35.52 3.34 0.00	31.42 3.03 0.00	34.83 3.29 0.00	38.73 3.39 0.00	40.55 3.71 0.00	38.68 3.87 0.00	41.49 4.06 0.00	52.44 5.45 0.00	50.38 5.35 0.00	54.91 5.57 0.00	53.05 5.88 0.00	72.45 8.23 0.00	76.15 6.45 -15.98	72.97 8.01 -11.57	77.26 7.91 -19.42	75.06 7.69 -17.29	64.97 7.84 -8.66	72.20 7.85 -14.15	55.94 7.34 -0.18	52.29 5.95 -5.01	41.06 4.75 0.00	39.33 4.38 0.00
LAWRNCAV_115KV_TB1 80681	26.15 -0.72 0.00	29.93 -0.67 0.00	31.49 -0.69 0.00	27.85 -0.54 0.00	31.04 -0.51 0.00	34.89 -0.46 0.00	36.40 -0.44 0.00	34.22 -0.59 0.00	36.62 -0.81 0.00	45.67 -1.31 0.00	43.61 -1.42 0.00	47.77 -1.57 0.00	45.58 -1.59 0.00	61.73 -2.50 0.00	51.40 -2.32 0.00	50.10 -3.28 0.00	46.59 -3.35 0.00	46.91 -3.18 0.00	45.62 -2.85 0.00	47.62 -2.58 0.00	46.00 -2.43 0.00	39.39 -1.95 0.00	34.98 -1.33 0.00	33.67 -1.29 0.00
LEDERLE___ 23769	28.42 1.54 0.00	32.09 1.49 0.00	33.52 1.34 0.00	29.54 1.14 0.00	32.72 1.17 0.00	36.58 1.24 0.00	38.13 1.29 0.00	36.52 1.71 0.00	39.46 2.03 0.00	49.82 2.83 0.00	47.90 2.87 0.00	52.64 3.30 0.00	50.69 3.52 0.00	69.56 5.35 0.00	2.92 4.80 55.60	79.12 5.22 -20.51	121.81 4.96 -66.92	144.95 4.85 -90.01	86.38 4.47 -33.44	-3.18 4.04 57.42	51.45 3.71 0.69	25.13 2.91 19.12	38.69 2.38 0.00	37.28 2.32 0.00
LIGHTHSE_115KV_TB6 355974	26.29 -0.58 0.00	29.88 -0.72 0.00	31.52 -0.66 0.00	27.82 -0.58 0.00	31.10 -0.45 0.00	35.23 -0.11 0.00	36.88 0.05 0.00	34.85 0.04 0.00	37.38 -0.06 0.00	47.25 -0.32 -0.59	49.19 -0.36 -4.51	54.13 -0.38 -5.18	51.05 -0.12 -4.00	73.78 0.18 -9.37	61.20 0.35 -7.13	57.28 0.09 -3.81	55.67 0.08 -5.66	55.44 0.24 -5.11	54.52 0.45 -5.61	56.19 0.63 -5.36	54.72 0.76 -5.53	45.79 0.67 -3.78	38.53 0.28 -1.95	35.64 0.05 -0.64
LINDEN COGEN___ 23786	28.51 1.64 0.00	32.16 1.57 0.00	33.55 1.37 0.00	29.58 1.19 0.00	32.74 1.19 0.00	36.56 1.22 0.00	38.03 1.25 0.06	36.51 1.70 0.00	38.36 1.97 1.04	38.75 2.65 10.88	39.76 2.62 7.89	39.71 3.04 12.67	38.92 3.30 11.54	53.46 5.03 15.79	48.92 4.53 9.32	50.23 4.91 8.07	39.28 4.71 15.37	41.62 4.56 13.02	39.25 4.20 13.41	50.83 3.79 3.16	40.74 3.46 11.14	46.99 2.72 -2.94	38.25 2.36 0.42	37.31 2.36 0.00
LINDHRST_69_KV_BK1 356055	29.40 2.53 0.00	33.17 2.58 0.00	34.48 2.30 0.00	30.31 1.92 0.00	33.59 2.04 0.00	37.55 2.21 0.00	39.26 2.42 0.00	37.72 2.91 0.00	40.79 3.36 0.00	53.43 4.64 -1.81	71.15 4.70 -21.42	77.70 5.28 -23.09	80.08 5.33 -27.58	82.55 6.63 -10.71	125.09 6.63 -64.74	105.20 6.56 -45.26	129.84 6.33 -73.57	150.59 6.44 -94.06	102.98 5.98 -48.54	119.89 5.63 -64.06	86.25 5.42 -32.41	79.55 4.26 -33.96	39.75 3.44 0.00	47.39 3.60 -8.84
LIPA_MISC_IPP 23656	29.05 2.18 0.00	32.84 2.25 0.00	34.13 1.95 0.00	29.97 1.57 0.00	33.22 1.67 0.00	37.14 1.80 0.00	38.88 2.04 0.00	37.33 2.52 0.00	40.35 2.92 0.00	56.89 4.23 -5.67	71.65 4.31 -22.31	77.36 4.93 -23.09	79.80 4.97 -27.66	87.18 7.08 -15.89	161.92 6.18 -102.02	135.67 5.96 -76.33	205.41 5.74 -149.73	396.18 6.02 -340.07	166.60 5.59 -112.55	138.09 5.22 -82.66	104.12 5.03 -50.66	79.11 3.82 -33.96	39.28 2.97 0.00	46.99 3.20 -8.84
LISF___SOLAR 323691	29.10 2.23 0.00	32.90 2.30 0.00	34.19 2.01 0.00	30.01 1.62 0.00	33.26 1.72 0.00	37.20 1.86 0.00	38.96 2.12 0.00	37.41 2.60 0.00	40.43 3.00 0.00	57.00 4.34 -5.67	71.77 4.43 -22.31	77.49 5.06 -23.09	79.93 5.09 -27.66	87.42 7.24 -15.95	162.99 6.30 -102.97	138.58 6.10 -79.10	212.15 5.91 -156.31	402.41 6.19 -346.14	169.97 5.77 -115.73	138.64 5.39 -83.05	104.58 5.20 -50.95	79.23 3.93 -33.96	39.37 3.06 0.00	47.06 3.26 -8.84
LITTLE FALLS___HYD 24013	27.25 0.38 0.00	30.94 0.34 0.00	32.45 0.27 0.00	28.56 0.17 0.00	31.73 0.19 0.00	35.43 0.09 0.00	36.83 -0.01 0.00	35.13 0.32 0.00	37.65 0.21 0.00	47.31 0.33 0.00	45.71 0.68 0.00	50.05 0.71 0.00	48.28 1.11 0.00	65.91 1.69 0.00	54.68 0.96 0.00	54.71 1.33 0.00	50.85 0.92 0.00	50.71 0.63 0.00	49.41 0.94 0.00	51.43 1.23 0.00	49.89 1.46 0.00	42.43 1.10 0.00	37.04 0.73 0.00	35.69 0.73 0.00
LITTLRIV_115KV_TB1 356100	26.47 -0.40 0.00	30.28 -0.31 0.00	31.87 -0.31 0.00	28.18 -0.21 0.00	31.41 -0.14 0.00	35.32 -0.02 0.00	36.88 0.05 0.00	34.70 -0.11 0.00	37.16 -0.27 0.00	46.45 -0.61 -0.07	44.93 -0.64 -0.55	49.30 -0.67 -0.63	46.81 -0.85 -0.49	63.89 -1.47 -1.14	53.04 -1.55 -0.87	51.16 -2.68 -0.46	47.84 -2.78 -0.69	48.05 -2.66 -0.62	46.83 -2.32 -0.68	48.89 -1.96 -0.65	47.30 -1.80 -0.67	40.40 -1.40 -0.46	35.67 -0.87 -0.24	34.14 -0.89 -0.08
LI_NEWBRDGE___DRP 323616	28.83 1.96 0.00	32.54 1.95 0.00	33.84 1.66 0.00	29.78 1.39 0.00	33.00 1.46 0.00	36.89 1.54 0.00	38.49 1.65 0.00	36.92 2.11 0.00	39.85 2.42 0.00	56.09 3.43 -5.67	70.79 3.45 -22.31	76.30 3.88 -23.09	78.74 3.99 -27.58	80.30 5.87 -10.22	120.16 5.18 -61.26	102.91 5.30 -44.23	125.80 5.07 -70.79	129.05 5.12 -73.85	97.79 4.73 -44.59	117.01 4.35 -62.46	83.31 4.14 -30.74	78.52 3.23 -33.96	38.91 2.59 0.00	46.56 2.77 -8.84
LOCKPORT_115KV_TB60_63_64 80432	26.59 -0.27 0.00	29.57 -0.72 0.30	31.91 -0.27 0.00	28.87 -0.36 -0.83	31.32 -0.22 0.00	36.83 -0.31 -1.80	38.87 0.06 -1.97	34.59 -0.23 0.00	37.70 0.27 0.00	47.28 0.29 0.00	45.06 0.03 0.00	49.31 -0.03 0.00	46.37 -0.81 0.00	63.44 -0.78 0.00	53.79 0.07 0.00	53.06 -0.32 0.00	50.02 0.08 0.00	50.28 0.19 0.00	48.83 0.37 0.00	50.92 0.72 0.00	49.26 0.83 0.00	42.54 1.20 0.00	36.92 0.61 0.00	35.04 0.09 0.00
LOCKPORT___CC1 323769	26.47 -0.39 0.00	29.43 -0.84 0.33	31.78 -0.40 0.00	28.75 -0.46 -0.82	31.20 -0.35 0.00	36.65 -0.45 -1.76	38.70 -0.08 -1.94	34.44 -0.37 0.00	37.54 0.10 0.00	47.09 0.10 0.00	44.90 -0.13 0.00	49.15 -0.18 0.00	46.20 -0.97 0.00	63.21 -1.00 0.00	53.58 -0.14 0.00	52.85 -0.53 0.00	49.83 -0.11 0.00	50.08 0.00 0.00	48.63 0.16 0.00	50.71 0.51 0.00	49.04 0.61 0.00	42.39 1.06 0.00	36.77 0.46 0.00	34.91 -0.04 0.00
LOCKPORT___CC2 323770	26.47 -0.39 0.00	29.43 -0.84 0.33	31.78 -0.40 0.00	28.75 -0.46 -0.82	31.20 -0.35 0.00	36.65 -0.45 -1.76	38.70 -0.08 -1.94	34.44 -0.37 0.00	37.54 0.10 0.00	47.09 0.10 0.00	44.90 -0.13 0.00	49.15 -0.18 0.00	46.20 -0.97 0.00	63.21 -1.00 0.00	53.58 -0.14 0.00	52.85 -0.53 0.00	49.83 -0.11 0.00	50.08 0.00 0.00	48.63 0.16 0.00	50.71 0.51 0.00	49.04 0.61 0.00	42.39 1.06 0.00	36.77 0.46 0.00	34.91 -0.04 0.00
LOCKPORT___CC3 323771	26.47 -0.39 0.00	29.43 -0.84 0.33	31.78 -0.40 0.00	28.75 -0.46 -0.82	31.20 -0.35 0.00	36.65 -0.45 -1.76	38.70 -0.08 -1.94	34.44 -0.37 0.00	37.54 0.10 0.00	47.09 0.10 0.00	44.90 -0.13 0.00	49.15 -0.18 0.00	46.20 -0.97 0.00	63.21 -1.00 0.00	53.58 -0.14 0.00	52.85 -0.53 0.00	49.83 -0.11 0.00	50.08 0.00 0.00	48.63 0.16 0.00	50.71 0.51 0.00	49.04 0.61 0.00	42.39 1.06 0.00	36.77 0.46 0.00	34.91 -0.04 0.00

LONG_LAKE_PHOENIX 24014	26.33 -0.54 0.00	29.87 -0.72 0.00	31.51 -0.67 0.00	27.78 -0.62 0.00	30.93 -0.62 0.00	34.74 -0.60 0.00	36.31 -0.53 0.00	34.33 -0.48 0.00	37.00 -0.43 0.00	47.31 -0.51 -0.83	50.95 -0.40 -6.32	56.17 -0.43 -7.26	52.34 -0.44 -5.61	76.94 -0.42 -13.14	63.44 -0.28 -9.99	58.42 -0.30 -5.34	57.69 -0.18 -7.93	57.08 -0.17 -7.16	56.15 -0.18 -7.87	57.61 -0.09 -7.51	56.12 -0.06 -7.75	46.62 -0.01 -5.31	38.81 -0.23 -2.73	35.47 -0.37 -0.89
LOVETT___3 23632	28.27 1.40 0.00	31.93 1.34 0.00	33.35 1.17 0.00	29.40 1.01 0.00	32.57 1.02 0.00	36.40 1.06 0.00	37.92 1.09 0.00	36.31 1.50 0.00	39.22 1.79 0.00	49.49 2.50 0.00	47.55 2.52 0.00	52.23 2.89 0.00	50.30 3.12 0.00	68.97 4.76 0.00	0.26 4.31 57.77	74.11 4.74 -15.98	112.17 4.51 -57.73	134.84 4.40 -80.35	81.68 4.05 -29.17	-5.19 3.62 59.02	51.04 3.33 0.71	24.22 2.60 19.72	38.44 2.13 0.00	37.05 2.10 0.00
LOVETT___4 23642	28.27 1.40 0.00	31.93 1.34 0.00	33.35 1.17 0.00	29.40 1.01 0.00	32.57 1.02 0.00	36.40 1.06 0.00	37.92 1.09 0.00	36.31 1.50 0.00	39.22 1.79 0.00	49.49 2.50 0.00	47.55 2.52 0.00	52.23 2.89 0.00	50.30 3.12 0.00	68.97 4.76 0.00	0.26 4.31 57.77	74.11 4.74 -15.98	112.17 4.51 -57.73	134.84 4.40 -80.35	81.68 4.05 -29.17	-5.19 3.62 59.02	51.04 3.33 0.71	24.22 2.60 19.72	38.44 2.13 0.00	37.05 2.10 0.00
LOVETT___5 23593	28.27 1.40 0.00	31.93 1.34 0.00	33.35 1.17 0.00	29.40 1.01 0.00	32.57 1.02 0.00	36.40 1.06 0.00	37.92 1.09 0.00	36.31 1.50 0.00	39.22 1.79 0.00	49.49 2.50 0.00	47.55 2.52 0.00	52.23 2.89 0.00	50.30 3.12 0.00	68.97 4.76 0.00	0.26 4.31 57.77	74.11 4.74 -15.98	112.17 4.51 -57.73	134.84 4.40 -80.35	81.68 4.05 -29.17	-5.19 3.62 59.02	51.04 3.33 0.71	24.22 2.60 19.72	38.44 2.13 0.00	37.05 2.10 0.00
LOWER RAQUET___HYD 24057	26.03 -0.84 0.00	29.78 -0.81 0.00	31.33 -0.85 0.00	27.71 -0.68 0.00	30.90 -0.64 0.00	34.77 -0.57 0.00	36.29 -0.55 0.00	34.11 -0.70 0.00	36.50 -0.94 0.00	45.57 -1.50 -0.08	44.01 -1.61 -0.59	48.25 -1.77 -0.67	45.94 -1.76 -0.52	62.73 -2.71 -1.22	52.14 -2.51 -0.93	50.42 -3.46 -0.50	47.15 -3.52 -0.74	47.41 -3.34 -0.67	46.22 -2.97 -0.73	48.19 -2.70 -0.70	46.59 -2.56 -0.72	39.76 -2.06 -0.49	35.12 -1.45 -0.25	33.62 -1.42 -0.08
LOWER___HUDSON 24059	28.21 1.35 0.00	32.04 1.44 0.00	33.65 1.47 0.00	29.70 1.30 0.00	32.95 1.40 0.00	36.80 1.46 0.00	38.24 1.40 0.00	36.33 1.52 0.00	38.99 1.56 0.00	49.03 2.05 0.00	47.05 2.02 0.00	51.47 2.13 0.00	49.48 2.31 0.00	67.44 3.22 0.00	73.30 2.49 -17.09	68.66 2.94 -12.34	73.30 2.69 -20.68	71.11 2.63 -18.40	60.27 2.58 -9.23	67.95 2.64 -15.11	51.22 2.60 -0.19	48.75 2.05 -5.36	38.11 1.80 0.00	36.68 1.72 0.00
LOWVILLE_115KV_TB2 356335	26.18 -0.69 0.00	29.93 -0.67 0.00	31.49 -0.70 0.00	27.88 -0.52 0.00	31.51 -0.04 0.00	36.06 0.72 0.00	37.78 0.94 0.00	35.56 0.75 0.00	37.83 0.39 0.00	46.92 -0.24 -0.18	45.89 -0.49 -1.35	50.43 -0.46 -1.55	48.77 0.40 -1.20	68.08 1.05 -2.81	56.71 0.85 -2.14	55.11 0.58 -1.14	52.20 0.57 -1.70	52.48 0.86 -1.53	51.47 1.32 -1.68	53.51 1.70 -1.61	51.82 1.74 -1.66	43.97 1.50 -1.13	37.96 1.06 -0.58	35.92 0.78 -0.19
LUTHERFT_115KV_GLOB_FND_222 355753	28.68 1.81 0.00	32.52 1.92 0.00	34.11 1.93 0.00	30.10 1.71 0.00	33.40 1.85 0.00	37.36 2.02 0.00	38.90 2.06 0.00	36.97 2.16 0.00	39.75 2.32 0.00	50.01 3.03 0.00	47.89 2.86 0.00	52.45 3.11 0.00	50.39 3.22 0.00	68.62 4.40 0.00	73.41 3.60 -16.08	69.15 4.12 -11.64	73.35 3.89 -19.53	71.26 3.78 -17.39	60.96 3.78 -8.72	68.36 3.92 -14.23	52.38 3.78 -0.18	49.48 3.10 -5.04	38.91 2.60 0.00	37.34 2.39 0.00
LUTHERNY_35_KV_BK2 355980	28.71 1.84 0.00	32.54 1.95 0.00	34.14 1.96 0.00	30.13 1.73 0.00	33.43 1.89 0.00	37.39 2.05 0.00	38.93 2.09 0.00	37.02 2.20 0.00	39.80 2.36 0.00	50.10 3.11 0.00	47.95 2.92 0.00	52.54 3.21 0.00	50.48 3.31 0.00	68.70 4.48 0.00	73.51 3.70 -16.08	69.26 4.23 -11.64	73.43 3.96 -19.53	71.35 3.87 -17.39	61.06 3.88 -8.72	68.47 4.04 -14.23	52.45 3.85 -0.18	49.53 3.16 -5.04	38.94 2.63 0.00	37.37 2.42 0.00
LWR___OSWEGATCHIE_HYD 23850	26.13 -0.74 0.00	29.87 -0.73 0.00	31.44 -0.74 0.00	27.81 -0.58 0.00	31.21 -0.34 0.00	35.44 0.09 0.00	37.06 0.22 0.00	34.88 0.07 0.00	37.21 -0.22 0.00	46.33 -0.81 -0.15	45.17 -1.02 -1.16	49.56 -1.11 -1.33	47.52 -0.68 -1.03	65.84 -0.80 -2.42	54.80 -0.75 -1.84	52.94 -1.43 -0.98	49.92 -1.48 -1.46	50.17 -1.23 -1.32	49.11 -0.80 -1.45	51.11 -0.46 -1.38	49.50 -0.35 -1.43	42.07 -0.24 -0.98	36.64 -0.17 -0.50	34.81 -0.30 -0.16
LYONS_FALL_HYD 23570	26.73 -0.14 0.00	30.47 -0.12 0.00	32.04 -0.14 0.00	28.32 -0.07 0.00	31.82 0.27 0.00	36.13 0.79 0.00	37.81 0.97 0.00	35.69 0.88 0.00	38.16 0.72 0.00	47.59 0.48 -0.13	46.38 0.36 -0.99	50.98 0.51 -1.14	49.04 1.00 -0.88	68.00 1.72 -2.05	56.63 1.35 -1.56	55.41 1.19 -0.83	52.29 1.12 -1.24	52.53 1.33 -1.12	51.33 1.63 -1.23	53.29 1.91 -1.17	51.55 1.91 -1.21	43.80 1.64 -0.83	37.92 1.18 -0.43	36.01 0.92 -0.14
MADISON___COUNTY_LFGE 323628	27.45 0.58 0.00	31.19 0.59 0.00	32.81 0.63 0.00	28.91 0.52 0.00	32.23 0.68 0.00	36.25 0.91 0.00	37.91 1.08 0.00	35.90 1.09 0.00	38.69 1.25 0.00	48.71 1.59 -0.14	47.74 1.66 -1.05	52.49 1.96 -1.20	50.04 1.93 -0.93	69.28 2.89 -2.17	57.66 2.29 -1.65	56.54 2.28 -0.88	53.38 2.14 -1.31	53.51 2.24 -1.19	52.06 2.30 -1.30	53.90 2.46 -1.24	52.14 2.43 -1.28	44.31 2.10 -0.88	38.28 1.52 -0.45	36.33 1.23 -0.15
MALONE___115KV_TB1 356076	26.82 -0.06 0.00	30.78 0.18 0.00	32.35 0.16 0.00	28.59 0.20 0.00	31.84 0.29 0.00	35.73 0.39 0.00	37.14 0.30 0.00	34.97 0.16 0.00	37.44 0.01 0.00	46.65 -0.34 0.00	44.56 -0.47 0.00	48.77 -0.57 0.00	46.49 -0.68 0.00	62.71 -1.51 0.00	52.05 -1.67 0.00	51.24 -2.15 0.00	47.88 -2.05 0.00	48.17 -1.92 0.00	46.74 -1.72 0.00	48.70 -1.50 0.00	46.81 -1.62 0.00	39.89 -1.45 0.00	35.25 -1.06 0.00	33.89 -1.06 0.00
MAPLEWOD_115KV_TB3 80458	28.19 1.32 0.00	32.00 1.41 0.00	33.59 1.41 0.00	29.64 1.25 0.00	32.88 1.34 0.00	36.77 1.43 0.00	38.23 1.40 0.00	36.34 1.53 0.00	39.01 1.58 0.00	49.04 2.05 0.00	47.06 2.03 0.00	51.58 2.24 0.00	49.59 2.42 0.00	67.61 3.40 0.00	73.05 2.76 -16.58	68.53 3.11 -12.03	73.02 2.88 -20.20	70.90 2.81 -18.00	60.13 2.65 -9.02	67.54 2.67 -14.67	51.24 2.63 -0.18	48.62 2.09 -5.20	38.14 1.83 0.00	36.71 1.76 0.00
MAPLE RIDGE_WT_1 323574	26.17 -0.69 0.00	29.89 -0.70 0.00	31.51 -0.67 0.00	27.90 -0.50 0.00	31.17 -0.38 0.00	35.08 -0.26 0.00	36.66 -0.18 0.00	34.31 -0.50 0.00	36.66 -0.77 0.00	45.81 -1.18 0.00	43.74 -1.29 0.00	48.13 -1.21 0.00	46.12 -1.05 0.00	63.00 -1.22 0.00	52.67 -1.05 0.00	52.41 -0.97 0.00	49.04 -0.89 0.00	49.32 -0.76 0.00	47.87 -0.60 0.00	49.65 -0.55 0.00	47.91 -0.52 0.00	40.89 -0.45 0.00	35.97 -0.34 0.00	34.64 -0.31 0.00

MAPLE_RIDGE_WT_2 323611	26.17 -0.69 0.00	29.89 -0.70 0.00	31.51 -0.67 0.00	27.90 -0.50 0.00	31.17 -0.38 0.00	35.08 -0.26 0.00	36.66 -0.18 0.00	34.31 -0.50 0.00	36.66 -0.77 0.00	45.81 -1.18 0.00	43.74 -1.29 0.00	48.13 -1.21 0.00	46.12 -1.05 0.00	63.00 -1.22 0.00	52.67 -1.05 0.00	52.41 -0.97 0.00	49.04 -0.89 0.00	49.32 -0.76 0.00	47.87 -0.60 0.00	49.65 -0.55 0.00	47.91 -0.52 0.00	40.89 -0.45 0.00	35.97 -0.34 0.00	34.64 -0.31 0.00
MARBLE_RIVER_WT_PWR 323696	26.76 -0.11 0.00	30.79 0.19 0.00	32.34 0.17 0.00	28.59 0.20 0.00	31.80 0.26 0.00	35.68 0.33 0.00	36.97 0.14 0.00	34.77 -0.04 0.00	37.16 -0.27 0.00	46.17 -0.82 0.00	44.01 -1.02 0.00	48.13 -1.21 0.00	45.90 -1.28 0.00	61.95 -2.27 0.00	51.36 -2.36 0.00	50.68 -2.70 0.00	47.38 -2.56 0.00	47.68 -2.41 0.00	46.28 -2.19 0.00	48.13 -2.07 0.00	46.17 -2.26 0.00	39.25 -2.08 0.00	34.68 -1.63 0.00	33.40 -1.56 0.00
MARSHVLE_115KV_TB1 80742	28.96 2.09 0.00	32.85 2.26 0.00	34.47 2.29 0.00	30.42 2.02 0.00	33.96 2.41 0.00	38.11 2.76 0.00	39.88 3.05 0.00	37.75 2.94 0.00	40.60 3.17 0.00	50.78 3.79 0.00	48.69 3.66 0.00	53.18 3.85 0.00	50.62 3.45 0.00	68.84 4.62 0.00	68.97 3.74 -11.51	65.52 3.78 -8.36	67.62 3.64 -14.04	66.11 3.51 -12.52	58.63 3.90 -6.27	63.35 4.44 -8.70	53.21 4.67 -0.12	48.99 4.05 -3.61	39.60 3.29 0.00	37.89 2.93 0.00
MARSH_HILL_WT_PWR 323713	25.89 -0.98 0.00	30.73 -1.26 -1.39	31.00 -1.19 0.00	36.34 -1.27 -9.21	30.17 -1.38 0.00	54.82 -1.43 -20.91	59.04 -0.90 -23.10	33.91 -0.91 0.00	36.84 -0.60 0.00	47.01 -0.07 -0.09	46.31 0.57 -0.71	50.54 0.39 -0.81	46.94 -0.86 -0.63	65.47 -0.23 -1.47	54.92 0.08 -1.12	53.76 -0.22 -0.60	51.46 0.63 -0.89	51.35 0.46 -0.80	50.23 0.88 -0.88	52.67 1.63 -0.84	51.41 2.12 -0.86	44.05 2.13 -0.59	37.86 1.25 -0.30	35.67 0.61 -0.10
MCINTYRE_115KV_TB2 80467	26.84 -0.02 0.00	30.72 0.13 0.00	32.34 0.16 0.00	28.59 0.19 0.00	31.84 0.29 0.00	35.77 0.43 0.00	37.35 0.52 0.00	35.13 0.32 0.00	37.64 0.21 0.00	47.00 0.02 0.00	45.07 0.04 0.00	49.23 -0.10 0.00	46.80 -0.37 0.00	63.37 -0.85 0.00	52.71 -1.01 0.00	51.24 -2.15 0.00	47.65 -2.28 0.00	47.92 -2.16 0.00	46.61 -1.85 0.00	48.78 -1.41 0.00	47.20 -1.23 0.00	40.43 -0.91 0.00	35.87 -0.44 0.00	34.49 -0.46 0.00
MECO____69_KV_BK1 80468	29.65 2.78 0.00	33.54 2.95 0.00	35.22 3.04 0.00	31.07 2.68 0.00	34.64 3.09 0.00	38.90 3.55 0.00	40.77 3.93 0.00	38.76 3.95 0.00	41.67 4.23 0.00	52.13 5.15 0.00	50.63 5.60 0.00	53.87 4.53 0.00	51.80 4.63 0.00	69.33 5.11 0.00	69.93 3.46 -12.75	67.62 4.98 -9.26	68.57 3.07 -15.55	67.87 3.92 -13.87	60.32 4.91 -6.94	65.99 6.15 -9.65	54.85 6.29 -0.13	50.63 5.30 -4.00	40.56 4.26 0.00	38.70 3.75 0.00
MENANDS__115KV_TB5 355628	27.88 1.01 0.00	31.66 1.07 0.00	33.23 1.05 0.00	29.34 0.95 0.00	32.54 0.99 0.00	36.37 1.03 0.00	37.78 0.94 0.00	35.89 1.08 0.00	38.49 1.05 0.00	48.38 1.39 0.00	46.41 1.38 0.00	50.80 1.46 0.00	48.84 1.67 0.00	66.66 2.44 0.00	72.40 1.90 -16.79	67.85 2.28 -12.19	72.44 2.05 -20.46	70.29 1.98 -18.23	59.47 1.88 -9.13	66.89 1.84 -14.85	50.43 1.82 -0.19	47.99 1.39 -5.26	37.60 1.29 0.00	36.25 1.29 0.00
MG INDUSTRY__DRP 24185	27.87 1.00 0.00	31.70 1.10 0.00	33.31 1.12 0.00	29.40 1.01 0.00	32.64 1.09 0.00	36.49 1.15 0.00	37.91 1.07 0.00	35.93 1.11 0.00	38.45 1.02 0.00	48.12 1.13 0.00	45.56 0.53 0.00	49.67 0.33 0.00	47.70 0.53 0.00	65.09 0.87 0.00	69.24 0.68 -14.85	65.69 0.95 -11.36	70.17 0.85 -19.38	68.39 0.74 -17.56	57.90 0.75 -8.68	64.07 0.71 -13.16	49.35 0.76 -0.16	46.76 0.79 -4.64	37.55 1.24 0.00	36.27 1.32 0.00
MID__OSWEGATCHIE_HYD 23849	26.13 -0.74 0.00	29.87 -0.73 0.00	31.44 -0.74 0.00	27.81 -0.58 0.00	31.21 -0.34 0.00	35.44 0.09 0.00	37.06 0.22 0.00	34.88 0.07 0.00	37.21 -0.22 0.00	46.33 -0.81 -0.15	45.17 -1.02 -1.16	49.56 -1.11 -1.33	47.52 -0.68 -1.03	65.84 -0.80 -2.42	54.80 -0.75 -1.84	52.94 -1.43 -0.98	49.92 -1.48 -1.46	50.17 -1.23 -1.32	49.11 -0.80 -1.45	51.11 -0.46 -1.38	49.50 -0.35 -1.43	42.07 -0.24 -0.98	36.64 -0.17 -0.50	34.81 -0.30 -0.16
MID__RAQUETTE_HYD 23851	26.03 -0.84 0.00	29.78 -0.82 0.00	31.33 -0.85 0.00	27.71 -0.68 0.00	30.90 -0.64 0.00	34.77 -0.57 0.00	36.28 -0.56 0.00	34.11 -0.70 0.00	36.50 -0.94 0.00	45.57 -1.50 -0.08	44.01 -1.61 -0.59	48.24 -1.77 -0.67	45.94 -1.76 -0.52	62.74 -2.70 -1.22	52.14 -2.51 -0.93	50.42 -3.46 -0.50	47.16 -3.52 -0.74	47.41 -3.34 -0.67	46.22 -2.97 -0.73	48.20 -2.70 -0.70	46.59 -2.56 -0.72	39.76 -2.06 -0.49	35.12 -1.44 -0.25	33.62 -1.42 -0.08
MILLIKEN__1 23584	27.37 0.50 0.00	31.14 0.44 -0.10	32.67 0.49 0.00	28.80 0.40 0.00	32.03 0.48 0.00	36.01 0.67 0.00	37.66 0.82 0.00	35.65 0.84 0.00	38.49 1.05 0.00	48.61 1.33 -0.30	48.81 1.50 -2.28	53.55 1.59 -2.62	50.68 1.49 -2.03	71.39 2.43 -4.75	59.66 2.33 -3.61	57.45 2.14 -1.93	54.90 2.10 -2.87	54.80 2.13 -2.59	53.40 2.09 -2.84	55.15 2.25 -2.71	53.43 2.21 -2.80	45.17 1.92 -1.92	38.68 1.38 -0.98	36.29 1.02 -0.32
MILLIKEN__2 23585	27.37 0.50 0.00	31.14 0.44 -0.10	32.67 0.49 0.00	28.80 0.40 0.00	32.03 0.48 0.00	36.01 0.67 0.00	37.66 0.82 0.00	35.65 0.84 0.00	38.49 1.05 0.00	48.61 1.33 -0.30	48.81 1.50 -2.28	53.55 1.59 -2.62	50.68 1.49 -2.03	71.39 2.43 -4.75	59.66 2.33 -3.61	57.45 2.14 -1.93	54.90 2.10 -2.87	54.80 2.13 -2.59	53.40 2.09 -2.84	55.15 2.25 -2.71	53.43 2.21 -2.80	45.17 1.92 -1.92	38.68 1.38 -0.98	36.29 1.02 -0.32
MILLIKEN__DIESEL 23629	27.37 0.50 0.00	31.14 0.44 -0.10	32.67 0.49 0.00	28.80 0.40 0.00	32.03 0.48 0.00	36.01 0.67 0.00	37.66 0.82 0.00	35.65 0.84 0.00	38.49 1.05 0.00	48.61 1.33 -0.30	48.81 1.50 -2.28	53.55 1.59 -2.62	50.68 1.49 -2.03	71.39 2.43 -4.75	59.66 2.33 -3.61	57.45 2.14 -1.93	54.90 2.10 -2.87	54.80 2.13 -2.59	53.40 2.09 -2.84	55.15 2.25 -2.71	53.43 2.21 -2.80	45.17 1.92 -1.92	38.68 1.38 -0.98	36.29 1.02 -0.32
MILLSEAT__LFGE 323607	27.25 0.37 0.00	30.37 0.02 0.25	32.61 0.43 0.00	29.57 0.27 -0.90	32.01 0.46 0.00	37.80 0.51 -1.95	39.94 0.95 -2.15	35.53 0.72 0.00	38.69 1.26 0.00	48.58 1.59 0.00	46.35 1.32 0.00	50.65 1.31 0.00	47.88 0.70 0.00	65.46 1.24 0.00	55.38 1.66 0.00	54.65 1.27 0.00	51.47 1.54 0.00	51.72 1.63 0.00	50.29 1.83 0.00	52.47 2.27 0.00	50.67 2.24 0.00	43.68 2.35 0.00	37.83 1.52 0.00	35.91 0.96 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	28.47 1.60 0.00	32.17 1.57 0.00	33.59 1.41 0.00	29.62 1.22 0.00	32.80 1.25 0.00	36.66 1.32 0.00	38.20 1.36 0.00	36.56 1.75 0.00	39.47 2.04 0.00	49.79 2.80 0.00	47.84 2.81 0.00	52.54 3.20 0.00	50.59 3.42 0.00	69.34 5.13 0.00	118.31 4.57 -60.02	99.25 4.98 -40.89	121.90 4.74 -67.22	113.27 4.61 -58.57	82.57 4.26 -29.85	145.20 3.89 -91.11	52.84 3.60 -0.81	63.05 2.83 -18.89	38.66 2.35 0.00	37.28 2.33 0.00

MILLWOOD_13_KV_LOAD 356217	28.57 1.70 0.00	32.27 1.67 0.00	33.70 1.52 0.00	29.70 1.31 0.00	32.90 1.35 0.00	36.77 1.43 0.00	38.31 1.48 0.00	36.69 1.88 0.00	39.62 2.19 0.00	50.00 3.01 0.00	48.06 3.03 0.00	52.78 3.45 0.00	50.84 3.66 0.00	69.72 5.50 0.00	118.63 4.90 -60.02	99.59 5.32 -40.89	122.22 5.06 -67.22	113.61 4.95 -58.57	82.88 4.57 -29.85	145.49 4.19 -91.11	53.09 3.86 -0.81	63.26 3.04 -18.89	38.83 2.52 0.00	37.43 2.48 0.00
MODEL_CITY_ENERGY 24167	26.38 -0.49 0.00	29.33 -0.95 0.32	31.67 -0.51 0.00	28.61 -0.58 -0.79	31.10 -0.45 0.00	36.42 -0.62 -1.70	38.44 -0.28 -1.88	34.26 -0.55 0.00	37.34 -0.09 0.00	46.79 -0.20 0.00	44.60 -0.43 0.00	48.84 -0.50 0.00	45.89 -1.28 0.00	62.77 -1.45 0.00	53.24 -0.48 0.00	52.57 -0.81 0.00	49.58 -0.36 0.00	49.83 -0.26 0.00	48.37 -0.09 0.00	50.44 0.24 0.00	48.78 0.35 0.00	42.14 0.81 0.00	36.59 0.28 0.00	34.74 -0.21 0.00
MODERN_LFGE_ 323580	26.38 -0.49 0.00	29.33 -0.95 0.32	31.67 -0.51 0.00	28.61 -0.58 -0.79	31.10 -0.45 0.00	36.42 -0.62 -1.70	38.44 -0.28 -1.88	34.26 -0.55 0.00	37.34 -0.09 0.00	46.79 -0.20 0.00	44.60 -0.43 0.00	48.84 -0.50 0.00	45.89 -1.28 0.00	62.77 -1.45 0.00	53.24 -0.48 0.00	52.57 -0.81 0.00	49.58 -0.36 0.00	49.83 -0.26 0.00	48.37 -0.09 0.00	50.44 0.24 0.00	48.78 0.35 0.00	42.14 0.81 0.00	36.59 0.28 0.00	34.74 -0.21 0.00
MOHAWK_PAPER___DRP 24187	28.19 1.32 0.00	32.00 1.41 0.00	33.59 1.41 0.00	29.64 1.25 0.00	32.88 1.34 0.00	36.77 1.43 0.00	38.23 1.40 0.00	36.34 1.53 0.00	39.01 1.58 0.00	49.04 2.05 0.00	47.06 2.03 0.00	51.58 2.24 0.00	49.59 2.42 0.00	67.61 3.40 0.00	73.05 2.76 -16.58	68.53 3.11 -12.03	73.02 2.88 -20.20	70.90 2.81 -18.00	60.13 2.65 -9.02	67.54 2.67 -14.67	51.24 2.63 -0.18	48.62 2.09 -5.20	38.14 1.83 0.00	36.71 1.76 0.00
MOHICAN___35_KV_115KV_LD 80490	28.91 2.04 0.00	32.67 2.07 0.00	34.21 2.03 0.00	30.20 1.80 0.00	33.50 1.96 0.00	37.44 2.10 0.00	39.04 2.21 0.00	37.14 2.33 0.00	39.93 2.50 0.00	50.31 3.33 0.00	48.03 3.00 0.00	52.54 3.21 0.00	50.53 3.36 0.00	68.70 4.48 0.00	73.36 3.62 -16.02	69.44 4.46 -11.60	73.78 4.38 -19.47	71.63 4.21 -17.33	61.55 4.40 -8.69	68.91 4.53 -14.18	52.97 4.37 -0.18	50.01 3.66 -5.02	39.27 2.96 0.00	37.60 2.65 0.00
MONGAUP___HYD 23641	27.97 1.10 0.00	31.61 1.02 0.00	33.06 0.88 0.00	29.12 0.72 0.00	32.27 0.72 0.00	36.11 0.77 0.00	37.64 0.80 0.00	35.94 1.13 0.00	38.76 1.33 0.00	48.88 1.90 0.00	47.13 2.10 0.00	51.61 2.27 0.00	49.59 2.42 0.00	67.98 3.76 0.00	7.94 3.21 49.00	-30.83 3.75 87.96	-122.26 3.46 175.65	-128.55 4.05 182.69	-29.66 3.36 81.48	12.72 3.28 40.76	51.05 3.12 0.49	29.95 2.52 13.91	38.24 1.93 0.00	37.13 2.18 0.00
MONTAUK___DIESEL 23721	30.44 3.57 0.00	34.32 3.73 0.00	35.65 3.47 0.00	31.29 2.89 0.00	34.68 3.14 0.00	38.83 3.49 0.00	40.75 3.91 0.00	39.30 4.49 0.00	42.62 5.19 0.00	59.97 7.30 -5.67	74.69 7.35 -22.31	81.02 8.59 -23.09	82.84 8.00 -27.66	91.56 11.43 -15.92	166.15 10.02 -102.41	140.25 9.50 -77.37	211.14 9.01 -152.21	401.87 9.35 -342.43	170.90 8.78 -113.66	141.61 8.59 -82.82	107.31 8.09 -50.79	81.47 6.18 -33.96	41.31 5.00 0.00	49.17 5.37 -8.84
MOONROAD_115KV_HARTFLD_TB1-2 355988	25.95 -0.92 0.00	28.81 -1.44 0.34	31.63 -0.54 0.00	28.60 -0.69 -0.90	30.64 -0.90 0.00	36.66 -0.64 -1.96	39.05 0.05 -2.16	35.07 0.26 0.00	38.44 1.01 0.00	48.04 1.06 0.00	45.55 0.51 0.00	49.98 0.64 0.00	47.48 0.31 0.00	65.05 0.83 0.00	55.03 1.31 0.00	54.56 1.17 0.00	51.72 1.79 0.00	51.92 1.83 0.00	50.18 1.72 0.00	52.33 2.13 0.00	50.69 2.26 0.00	43.53 2.20 0.00	37.44 1.14 0.00	35.70 0.74 0.00
MORTIMER_115KV_TB3 55949	27.23 0.36 0.00	30.68 0.08 0.00	32.53 0.35 0.00	29.82 0.25 -1.18	31.92 0.37 0.00	38.42 0.50 -2.58	40.52 0.84 -2.84	35.44 0.63 0.00	38.45 1.02 0.00	48.35 1.37 0.00	46.15 1.12 0.00	50.55 1.22 0.00	47.91 0.74 0.00	65.58 1.37 0.00	55.39 1.67 0.00	54.84 1.46 0.00	51.44 1.51 0.00	51.62 1.53 0.00	50.10 1.64 0.00	52.10 1.90 0.00	50.27 1.84 0.00	43.16 1.83 0.00	37.52 1.21 0.00	35.73 0.78 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	28.69 1.82 0.00	32.38 1.78 0.00	33.78 1.60 0.00	29.80 1.40 0.00	32.98 1.44 0.00	36.82 1.48 0.00	38.34 1.51 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.02 3.04 0.00	48.01 2.98 0.00	52.74 3.40 0.00	50.82 3.65 0.00	69.69 5.47 0.00	116.34 4.89 -57.74	97.45 5.27 -38.79	118.44 5.03 -63.47	110.00 4.90 -55.01	81.14 4.53 -28.15	106.76 4.14 -52.42	52.89 3.82 -0.64	62.54 3.03 -18.18	38.87 2.56 0.00	37.54 2.58 0.00
MUNSVILLE_WIND_PWR 323609	28.46 1.59 0.00	32.37 1.71 -0.07	33.96 1.78 0.00	29.93 1.54 0.00	33.38 1.83 0.00	36.52 2.01 0.84	38.24 2.33 0.92	37.21 2.39 0.00	40.33 2.90 0.00	50.67 3.50 -0.19	50.47 4.01 -1.43	55.60 4.63 -1.64	52.87 4.43 -1.27	74.16 6.97 -2.97	62.15 6.17 -2.26	60.12 5.53 -1.21	57.45 5.72 -1.79	57.42 5.72 -1.62	55.62 5.38 -1.78	57.67 5.78 -1.70	55.90 5.73 -1.75	47.35 4.82 -1.20	40.52 3.59 -0.62	38.31 3.16 -0.20
N SALMON___HYD 24042	26.81 -0.06 0.00	30.78 0.18 0.00	32.35 0.17 0.00	28.59 0.20 0.00	31.84 0.29 0.00	35.73 0.39 0.00	37.14 0.30 0.00	34.97 0.16 0.00	37.45 0.01 0.00	46.65 -0.34 0.00	44.56 -0.48 0.00	48.77 -0.57 0.00	46.49 -0.69 0.00	62.71 -1.51 0.00	52.05 -1.67 0.00	51.24 -2.14 0.00	47.88 -2.05 0.00	48.17 -1.92 0.00	46.74 -1.72 0.00	48.70 -1.50 0.00	46.81 -1.62 0.00	39.89 -1.45 0.00	35.25 -1.06 0.00	33.89 -1.06 0.00
N.AKRON___115KV_KNAPP 355671	27.10 0.23 0.00	30.17 -0.15 0.27	32.47 0.28 0.00	29.40 0.14 -0.87	31.86 0.32 0.00	37.57 0.33 -1.89	39.68 0.78 -2.07	35.32 0.51 0.00	38.50 1.07 0.00	48.31 1.32 0.00	46.10 1.07 0.00	50.44 1.10 0.00	47.57 0.40 0.00	65.08 0.86 0.00	55.06 1.34 0.00	54.27 0.89 0.00	51.11 1.18 0.00	51.38 1.29 0.00	49.95 1.49 0.00	52.11 1.91 0.00	50.34 1.92 0.00	43.42 2.09 0.00	37.65 1.34 0.00	35.70 0.75 0.00
N.BELMOR_69_KV_BK1 55787	29.15 2.28 0.00	32.88 2.29 0.00	34.19 2.01 0.00	30.08 1.69 0.00	33.33 1.78 0.00	37.25 1.91 0.00	38.89 2.05 0.00	37.30 2.49 0.00	40.28 2.85 0.00	45.88 3.91 5.01	68.77 3.88 -19.86	76.80 4.38 -23.09	79.27 4.52 -27.58	81.12 6.69 -10.22	120.81 5.84 -61.26	103.60 5.98 -44.23	126.52 5.79 -70.79	129.77 5.83 -73.85	98.47 5.41 -44.59	117.70 5.04 -62.46	83.95 4.78 -30.74	79.10 3.81 -33.96	39.42 3.11 0.00	47.02 3.23 -8.84
N.E._GEN_SANDY_PD 24062	28.61 1.37 -0.37	34.20 1.43 -2.17	33.93 1.39 -0.36	32.38 1.22 -2.76	35.26 1.29 -2.41	36.67 1.33 0.00	38.10 1.26 0.00	36.51 1.51 -0.19	37.96 1.56 1.04	48.31 2.12 0.80	48.27 2.18 -1.06	51.48 2.31 0.16	50.93 2.56 -1.20	67.86 3.64 0.00	76.66 2.89 -20.05	70.60 3.36 -13.85	83.84 3.06 -30.85	82.16 2.98 -29.09	66.06 2.86 -14.74	77.84 2.74 -24.90	51.39 2.65 -0.32	51.24 2.04 -7.87	38.12 1.80 0.00	36.76 1.80 0.00

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	28.31 1.44 0.00	31.97 1.38 0.00	33.40 1.22 0.00	29.44 1.05 0.00	32.61 1.07 0.00	36.47 1.12 0.00	37.99 1.15 0.00	36.39 1.57 0.00	39.30 1.87 0.00	49.60 2.62 0.00	47.67 2.64 0.00	52.38 3.04 0.00	50.44 3.27 0.00	69.20 4.98 0.00	1.43 4.51 56.80	76.50 4.95 -18.16	116.82 4.71 -62.18	139.73 4.59 -85.05	83.93 4.23 -31.24	-4.32 3.80 58.32	51.21 3.48 0.70	24.61 2.73 19.45	38.54 2.24 0.00	37.15 2.19 0.00
N.QUEENS_27_KV_LOAD 356247	28.75 1.88 0.00	32.37 1.78 0.00	33.76 1.58 0.00	29.83 1.43 0.00	32.91 1.37 0.00	36.76 1.42 0.00	38.42 1.59 0.00	36.78 1.97 0.00	39.73 2.30 0.00	50.04 3.06 0.00	47.93 2.90 0.00	52.72 3.39 0.01	50.87 3.71 0.01	69.60 5.38 0.00	116.25 4.79 -57.74	97.37 5.19 -38.80	118.33 4.92 -63.48	109.89 4.79 -55.02	80.95 4.34 -28.15	106.63 4.00 -52.42	52.85 3.78 -0.64	62.58 3.06 -18.19	38.92 2.61 0.00	37.55 2.59 0.00
N.TROY___115KV_TB1 355778	28.21 1.35 0.00	32.04 1.44 0.00	33.65 1.47 0.00	29.69 1.30 0.00	32.95 1.40 0.00	36.80 1.46 0.00	38.23 1.40 0.00	36.33 1.52 0.00	38.99 1.55 0.00	49.03 2.05 0.00	47.05 2.02 0.00	51.47 2.13 0.00	49.49 2.31 0.00	67.44 3.22 0.00	73.30 2.49 -17.09	68.66 2.94 -12.34	73.31 2.69 -20.68	71.11 2.63 -18.40	60.27 2.58 -9.23	67.96 2.64 -15.11	51.22 2.60 -0.19	48.74 2.05 -5.36	38.11 1.80 0.00	36.68 1.73 0.00
NARROWS_GT1_1 24228	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_2 24229	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_3 24230	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_4 24231	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_5 24232	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_6 24233	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_7 24234	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT1_8 24235	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_1 24236	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_2 24237	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_3 24238	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_4 24239	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00

NARROWS_GT2_5 24240	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_6 24241	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_7 24242	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NARROWS_GT2_8 24243	28.81 1.94 0.00	32.48 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.92 1.58 0.00	38.47 1.63 0.00	36.85 2.04 0.00	39.77 2.33 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.76 3.41 -0.01	55.75 3.74 -4.85	69.68 5.46 0.00	116.26 4.80 -57.74	97.24 5.07 -38.80	118.34 4.93 -63.48	109.91 4.81 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	28.41 1.54 0.00	32.27 1.68 0.00	33.91 1.73 0.00	29.94 1.55 0.00	33.25 1.70 0.00	37.20 1.86 0.00	38.71 1.88 0.00	36.67 1.86 0.00	39.15 1.71 0.00	48.81 1.82 0.00	46.65 1.61 0.00	51.06 1.72 0.00	48.91 1.74 0.00	67.01 2.80 0.00	67.89 2.56 -11.62	66.49 2.74 -10.37	70.98 2.60 -18.44	69.78 2.30 -17.40	59.15 2.35 -8.34	61.34 2.48 -8.66	51.06 2.52 -0.12	46.97 2.05 -3.59	38.31 2.00 0.00	36.96 2.01 0.00
NCHELSEA_115KV_TR2 355582	28.72 1.85 0.00	32.46 1.87 0.00	33.94 1.76 0.00	29.91 1.51 0.00	33.13 1.59 0.00	37.06 1.72 0.00	38.64 1.80 0.00	36.95 2.14 0.00	39.91 2.47 0.00	50.38 3.39 0.00	48.49 3.46 0.00	53.17 3.83 0.00	51.20 4.03 0.00	70.17 5.95 0.00	72.29 5.24 -13.33	76.12 5.67 -17.08	87.93 5.37 -32.62	88.10 5.25 -32.76	68.26 4.80 -14.99	64.26 4.47 -9.59	52.74 4.18 -0.13	48.61 3.31 -3.97	39.04 2.73 0.00	37.60 2.64 0.00
NEG CAPITAL___MECHNVIL 23645	28.68 1.81 0.00	32.52 1.93 0.00	34.12 1.94 0.00	30.10 1.70 0.00	33.40 1.85 0.00	37.35 2.01 0.00	38.89 2.05 0.00	36.97 2.16 0.00	39.75 2.32 0.00	50.02 3.03 0.00	47.96 2.93 0.00	52.53 3.20 0.00	50.49 3.32 0.00	68.76 4.54 0.00	73.84 3.71 -16.41	69.49 4.24 -11.87	73.80 3.96 -19.90	71.63 3.83 -17.72	61.14 3.79 -8.88	68.69 3.97 -14.52	52.44 3.83 -0.18	49.60 3.12 -5.15	38.92 2.61 0.00	37.37 2.42 0.00
NEG CENTRAL_HIGH_ACRES 23767	26.64 -0.23 0.00	30.05 -0.55 0.00	31.78 -0.40 0.00	28.77 -0.40 -0.77	31.19 -0.35 0.00	36.72 -0.28 -1.65	38.64 -0.02 -1.83	34.70 -0.11 0.00	37.64 0.20 0.00	47.44 0.34 -0.11	46.14 0.28 -0.83	50.64 0.35 -0.95	47.90 0.00 -0.74	66.26 0.32 -1.72	55.76 0.72 -1.31	54.62 0.54 -0.70	51.81 0.83 -1.05	51.90 0.87 -0.94	50.49 0.99 -1.04	52.34 1.15 -0.99	50.51 1.06 -1.02	43.11 1.08 -0.70	37.21 0.54 -0.36	35.20 0.14 -0.12
NEG CENTRAL___DRP 24199	26.97 0.10 0.00	30.67 -0.06 -0.13	32.17 0.00 0.00	29.46 -0.02 -1.10	31.56 0.02 0.00	37.84 0.10 -2.40	39.82 0.33 -2.64	35.14 0.33 0.00	38.04 0.60 0.00	48.14 0.87 -0.29	48.25 1.02 -2.20	53.00 1.14 -2.53	50.01 0.88 -1.95	70.45 1.66 -4.57	58.91 1.71 -3.48	56.67 1.43 -1.86	54.27 1.57 -2.76	54.11 1.53 -2.50	52.80 1.59 -2.74	54.52 1.71 -2.61	52.80 1.67 -2.70	44.71 1.53 -1.85	38.24 0.98 -0.95	35.85 0.59 -0.31
NEG CENTRAL___INDECK 23768	27.63 0.76 0.00	32.56 0.54 -1.43	32.95 0.77 0.00	38.98 0.54 -10.04	32.27 0.73 0.00	59.05 0.92 -22.79	63.49 1.47 -25.18	36.00 1.19 0.00	38.32 0.89 0.00	48.01 1.03 0.00	45.60 0.57 0.00	48.97 -0.36 0.00	45.43 -1.75 0.00	61.94 -2.28 0.00	52.61 -1.11 0.00	52.58 -0.80 0.00	49.82 -0.11 0.00	49.62 -0.47 0.00	48.77 0.31 0.00	51.12 0.92 0.00	49.72 1.30 0.00	43.00 1.67 0.00	38.09 1.78 0.00	36.18 1.22 0.00
NEG CENTRAL___SENECA 23627	27.06 0.19 0.00	30.82 0.01 -0.21	32.25 0.07 0.00	30.08 0.04 -1.65	31.64 0.09 0.00	39.15 0.16 -3.65	41.34 0.48 -4.03	35.30 0.49 0.00	38.25 0.81 0.00	48.34 1.20 -0.15	47.52 1.37 -1.12	52.13 1.51 -1.28	49.33 1.16 -0.99	68.74 2.20 -2.32	57.74 2.26 -1.77	56.21 1.88 -0.94	53.37 2.03 -1.40	53.31 1.96 -1.27	51.92 2.06 -1.39	53.74 2.22 -1.33	51.97 2.18 -1.37	44.27 2.00 -0.94	38.06 1.27 -0.48	35.91 0.80 -0.16
NEG CENTRAL___STATE_STREET 24147	27.31 0.44 0.00	31.00 0.35 -0.05	32.59 0.41 0.00	29.23 0.38 -0.46	31.95 0.40 0.00	36.92 0.63 -0.95	38.58 0.69 -1.05	35.48 0.67 0.00	38.34 0.90 0.00	48.64 1.25 -0.41	49.39 1.21 -3.15	54.23 1.28 -3.61	51.04 1.08 -2.79	72.58 1.83 -6.54	60.62 1.93 -4.98	57.99 1.95 -2.65	55.84 1.96 -3.95	55.60 1.95 -3.57	54.28 1.90 -3.92	55.88 1.95 -3.74	54.16 1.88 -3.86	45.61 1.64 -2.64	38.95 1.29 -1.36	36.25 0.85 -0.44
NEG MILLWOOD___DRP 24198	28.83 1.96 0.00	32.57 1.97 0.00	34.02 1.84 0.00	29.97 1.57 0.00	33.19 1.65 0.00	37.12 1.78 0.00	38.72 1.88 0.00	37.07 2.26 0.00	40.04 2.60 0.00	50.52 3.54 0.00	48.66 3.63 0.00	53.40 4.06 0.00	51.45 4.28 0.00	70.55 6.33 0.00	90.75 5.64 -31.39	84.31 6.09 -24.84	98.54 5.81 -42.80	94.92 5.66 -39.17	72.84 5.15 -19.23	82.01 4.79 -27.02	53.24 4.47 -0.34	54.65 3.53 -9.78	39.22 2.91 0.00	37.76 2.81 0.00
NEG NORTH_FLCN_SEA 23793	27.04 0.17 0.00	31.09 0.49 0.00	32.69 0.51 0.00	28.91 0.52 0.00	32.14 0.59 0.00	36.07 0.73 0.00	37.40 0.57 0.00	35.08 0.27 0.00	37.35 -0.08 0.00	46.08 -0.90 0.00	43.68 -1.35 0.00	47.62 -1.72 0.00	45.40 -1.77 0.00	61.28 -2.94 0.00	50.73 -2.99 0.00	50.16 -3.22 0.00	46.85 -3.09 0.00	47.02 -3.06 0.00	45.66 -2.80 0.00	47.54 -2.66 0.00	45.64 -2.79 0.00	38.75 -2.58 0.00	34.21 -2.10 0.00	32.93 -2.02 0.00
NEG NORTH_KES_CHATEGAY 23792	26.75 -0.12 0.00	30.78 0.19 0.00	32.35 0.17 0.00	28.58 0.19 0.00	31.80 0.26 0.00	35.67 0.32 0.00	36.97 0.13 0.00	34.78 -0.03 0.00	37.20 -0.23 0.00	46.27 -0.72 0.00	44.13 -0.90 0.00	48.27 -1.07 0.00	46.01 -1.16 0.00	62.06 -2.16 0.00	51.49 -2.23 0.00	50.82 -2.57 0.00	47.53 -2.40 0.00	47.89 -2.20 0.00	46.47 -2.00 0.00	48.33 -1.87 0.00	46.36 -2.07 0.00	39.44 -1.89 0.00	34.86 -1.45 0.00	33.58 -1.37 0.00



NEG NORTH___ALICE_FALLS 23915	27.09 0.22 0.00	31.13 0.54 0.00	32.73 0.55 0.00	28.94 0.55 0.00	32.18 0.64 0.00	36.13 0.79 0.00	37.49 0.65 0.00	35.21 0.40 0.00	37.57 0.14 0.00	46.54 -0.45 0.00	44.26 -0.78 0.00	48.40 -0.94 0.00	46.07 -1.10 0.00	62.13 -2.09 0.00	51.41 -2.31 0.00	50.87 -2.51 0.00	47.51 -2.42 0.00	47.62 -2.47 0.00	46.27 -2.20 0.00	48.18 -2.02 0.00	46.25 -2.18 0.00	39.28 -2.05 0.00	34.66 -1.65 0.00	33.34 -1.62 0.00
NEG NORTH___LWR_SARANAC 23913	27.09 0.22 0.00	31.13 0.54 0.00	32.73 0.55 0.00	28.94 0.55 0.00	32.18 0.64 0.00	36.13 0.79 0.00	37.49 0.65 0.00	35.21 0.40 0.00	37.57 0.14 0.00	46.54 -0.45 0.00	44.26 -0.78 0.00	48.40 -0.94 0.00	46.07 -1.10 0.00	62.13 -2.09 0.00	51.41 -2.31 0.00	50.87 -2.51 0.00	47.51 -2.42 0.00	47.62 -2.47 0.00	46.27 -2.20 0.00	48.18 -2.02 0.00	46.25 -2.18 0.00	39.28 -2.05 0.00	34.66 -1.65 0.00	33.34 -1.62 0.00
NEG NORTH___PLATTSBURG 23628	27.09 0.22 0.00	31.13 0.54 0.00	32.73 0.55 0.00	28.94 0.55 0.00	32.18 0.64 0.00	36.13 0.79 0.00	37.49 0.65 0.00	35.21 0.40 0.00	37.57 0.14 0.00	46.54 -0.45 0.00	44.26 -0.78 0.00	48.40 -0.94 0.00	46.07 -1.10 0.00	62.13 -2.09 0.00	51.41 -2.31 0.00	50.87 -2.51 0.00	47.52 -2.42 0.00	47.61 -2.48 0.00	46.27 -2.20 0.00	48.18 -2.02 0.00	46.25 -2.18 0.00	39.28 -2.05 0.00	34.66 -1.65 0.00	33.34 -1.62 0.00
NEG WEST_LEA_LOCKPORT 23791	26.47 -0.39 0.00	29.43 -0.84 0.33	31.78 -0.40 0.00	28.75 -0.46 -0.82	31.20 -0.35 0.00	36.66 -0.44 -1.76	38.70 -0.07 -1.93	34.45 -0.37 0.00	37.54 0.11 0.00	47.09 0.10 0.00	44.88 -0.15 0.00	49.11 -0.23 0.00	46.17 -1.00 0.00	63.19 -1.03 0.00	53.56 -0.16 0.00	52.81 -0.58 0.00	49.80 -0.14 0.00	50.05 -0.04 0.00	48.61 0.15 0.00	50.69 0.49 0.00	49.03 0.61 0.00	42.37 1.04 0.00	36.77 0.47 0.00	34.91 -0.04 0.00
NEG WEST___LANCASTR 23811	26.81 -0.06 0.00	29.94 -0.32 0.33	32.18 0.00 0.00	29.00 -0.12 -0.73	31.55 0.01 0.00	36.99 0.05 -1.60	38.97 0.47 -1.66	35.05 0.24 0.00	38.16 0.73 0.00	47.97 0.99 0.00	45.84 0.81 0.00	50.16 0.82 0.00	47.31 0.13 0.00	64.99 0.77 0.00	55.03 1.32 0.00	54.31 0.93 0.00	51.19 1.25 0.00	51.33 1.24 0.00	49.72 1.25 0.00	51.73 1.53 0.00	49.99 1.56 0.00	43.06 1.72 0.00	37.24 0.93 0.00	35.45 0.50 0.00
NEG_PENN_ALLEGHNY 23528	27.13 0.26 0.00	30.85 0.26 0.00	32.50 0.31 0.00	27.68 0.20 0.91	31.81 0.26 0.00	33.56 0.35 2.13	34.99 0.51 2.36	35.39 0.58 0.00	38.25 0.81 0.00	48.26 1.10 -0.17	47.52 1.15 -1.33	52.12 1.25 -1.53	49.49 1.13 -1.18	69.05 2.06 -2.77	57.78 1.95 -2.11	56.40 1.89 -1.13	53.48 1.87 -1.67	53.31 1.72 -1.51	51.73 1.61 -1.66	53.40 1.62 -1.58	51.62 1.56 -1.64	43.86 1.41 -1.12	37.76 0.87 -0.57	35.78 0.64 -0.19
NEG___GEN_MONROE 24207	27.36 0.49 0.00	30.74 0.20 0.05	32.76 0.58 0.00	30.03 0.47 -1.16	32.14 0.60 0.00	38.62 0.74 -2.54	40.74 1.10 -2.80	35.75 0.93 0.00	38.76 1.33 0.00	48.62 1.64 0.00	46.47 1.43 0.00	50.93 1.59 0.00	48.29 1.12 0.00	66.09 1.87 0.00	55.75 2.03 0.00	55.06 1.67 0.00	51.64 1.71 0.00	51.85 1.77 0.00	50.39 1.93 0.00	52.46 2.26 0.00	50.61 2.18 0.00	43.48 2.15 0.00	37.76 1.45 0.00	35.95 0.99 0.00
NEPA___ENERGY 23901	26.56 -0.30 0.00	29.75 -0.47 0.37	32.08 -0.10 0.00	28.67 -0.27 -0.54	31.32 -0.23 0.00	36.36 -0.12 -1.14	38.39 0.31 -1.25	35.12 0.31 0.00	38.29 0.86 0.00	48.05 1.06 0.00	45.86 0.82 0.00	50.15 0.81 0.00	47.53 0.36 0.00	65.73 1.51 0.00	55.78 2.06 0.00	55.21 1.83 0.00	52.01 2.07 0.00	51.91 1.82 0.00	50.08 1.61 0.00	51.97 1.77 0.00	50.15 1.72 0.00	43.17 1.84 0.00	37.21 0.90 0.00	35.42 0.47 0.00
NEVERSINK___HYD 23608	28.12 1.25 0.00	31.81 1.22 0.00	33.24 1.06 0.00	29.28 0.88 0.00	32.46 0.91 0.00	36.32 0.98 0.00	37.95 1.11 0.00	36.78 1.96 0.00	39.73 2.30 0.00	50.20 3.22 0.00	48.59 3.56 0.00	53.36 4.03 0.00	51.11 3.93 0.00	68.33 4.11 0.00	47.07 3.81 10.45	54.56 4.17 2.99	50.56 3.20 2.57	53.30 3.21 0.00	50.44 2.85 0.88	44.41 2.43 8.21	50.63 2.32 0.11	40.67 2.74 3.40	38.45 2.14 0.00	36.99 2.04 0.00
NEWKRMKL_115KV_TB1 55635	27.74 0.87 0.00	31.50 0.91 0.00	33.07 0.89 0.00	29.19 0.79 0.00	32.37 0.82 0.00	36.19 0.85 0.00	37.61 0.77 0.00	35.71 0.90 0.00	38.30 0.87 0.00	48.12 1.13 0.00	46.20 1.17 0.00	50.59 1.25 0.00	48.64 1.47 0.00	66.38 2.16 0.00	71.88 1.69 -16.48	67.41 2.03 -12.00	71.93 1.83 -20.16	69.81 1.73 -17.98	59.10 1.64 -9.00	66.37 1.58 -14.59	50.16 1.56 -0.18	47.68 1.18 -5.17	37.42 1.10 0.00	36.06 1.11 0.00
NEWTON___FALLS_HYD 23847	26.13 -0.74 0.00	29.87 -0.73 0.00	31.44 -0.74 0.00	27.81 -0.58 0.00	31.21 -0.34 0.00	35.44 0.09 0.00	37.06 0.22 0.00	34.88 0.07 0.00	37.21 -0.22 0.00	46.33 -0.81 -0.15	45.17 -1.02 -1.16	49.56 -1.11 -1.33	47.52 -0.68 -1.03	65.84 -0.80 -2.42	54.80 -0.75 -1.84	52.94 -1.43 -0.98	49.92 -1.48 -1.46	50.17 -1.23 -1.32	49.11 -0.80 -1.45	51.11 -0.46 -1.38	49.50 -0.35 -1.43	42.07 -0.24 -0.98	36.64 -0.17 -0.50	34.81 -0.30 -0.16
NGRID_A1_DSASP 323792	26.28 -0.59 0.00	29.27 -1.00 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.56 -1.56	38.12 -0.43 -1.72	34.21 -0.60 0.00	37.29 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.43 -0.91 0.00	45.47 -1.70 0.00	62.14 -2.08 0.00	52.73 -0.99 0.00	52.13 -1.25 0.00	49.17 -0.76 0.00	49.42 -0.66 0.00	47.96 -0.50 0.00	50.02 -0.18 0.00	48.36 -0.07 0.00	41.78 0.45 0.00	36.38 0.07 0.00	34.68 -0.28 0.00
NGRID_A2_DSASP 323793	26.28 -0.59 0.00	29.27 -1.00 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.56 -1.56	38.12 -0.43 -1.72	34.21 -0.60 0.00	37.29 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.43 -0.91 0.00	45.47 -1.70 0.00	62.14 -2.08 0.00	52.73 -0.99 0.00	52.13 -1.25 0.00	49.17 -0.76 0.00	49.42 -0.66 0.00	47.96 -0.50 0.00	50.02 -0.18 0.00	48.36 -0.07 0.00	41.78 0.45 0.00	36.38 0.07 0.00	34.68 -0.28 0.00
NGRID_A4_DSASP 323807	26.28 -0.59 0.00	29.28 -0.99 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.55 -1.56	38.13 -0.41 -1.70	34.22 -0.59 0.00	37.28 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.38 -0.95 0.00	45.44 -1.74 0.00	62.12 -2.10 0.00	52.71 -1.01 0.00	52.09 -1.29 0.00	49.14 -0.79 0.00	49.38 -0.71 0.00	47.94 -0.53 0.00	49.98 -0.22 0.00	48.35 -0.07 0.00	41.76 0.43 0.00	36.39 0.08 0.00	34.68 -0.28 0.00
NIAGARA_115E_LBMP 323715	26.26 -0.61 0.00	29.20 -1.07 0.33	31.55 -0.63 0.00	28.47 -0.70 -0.77	30.98 -0.57 0.00	36.23 -0.77 -1.66	38.22 -0.44 -1.83	34.09 -0.72 0.00	37.16 -0.28 0.00	46.53 -0.45 0.00	44.35 -0.69 0.00	48.56 -0.78 0.00	45.62 -1.56 0.00	62.37 -1.86 0.00	52.93 -0.79 0.00	52.29 -1.09 0.00	49.33 -0.61 0.00	49.57 -0.51 0.00	48.11 -0.35 0.00	50.18 -0.03 0.00	48.52 0.09 0.00	41.92 0.59 0.00	36.42 0.11 0.00	34.58 -0.38 0.00

NIAGARA_115W_LBMP 323714	26.23 -0.64 0.00	29.22 -1.05 0.33	31.58 -0.60 0.00	28.57 -0.56 -0.73	31.05 -0.49 0.00	36.27 -0.63 -1.56	38.03 -0.53 -1.71	34.14 -0.67 0.00	37.20 -0.23 0.00	46.60 -0.38 0.00	44.17 -0.86 0.00	48.30 -1.04 0.00	45.35 -1.83 0.00	61.96 -2.26 0.00	52.59 -1.13 0.00	51.99 -1.40 0.00	49.05 -0.88 0.00	49.27 -0.81 0.00	47.83 -0.63 0.00	49.87 -0.33 0.00	48.23 -0.20 0.00	41.67 0.34 0.00	36.30 -0.02 0.00	34.61 -0.34 0.00
NIAGARA_230_LBMP 323716	26.44 -0.43 0.00	29.43 -0.85 0.31	31.77 -0.41 0.00	28.69 -0.41 -0.71	31.23 -0.32 0.00	36.46 -0.38 -1.51	38.43 -0.07 -1.66	34.38 -0.44 0.00	37.42 -0.01 0.00	46.95 -0.04 0.00	44.71 -0.32 0.00	48.97 -0.36 0.00	46.02 -1.15 0.00	62.96 -1.26 0.00	53.38 -0.34 0.00	52.73 -0.65 0.00	49.73 -0.20 0.00	49.94 -0.14 0.00	48.49 0.03 0.00	50.54 0.34 0.00	48.85 0.42 0.00	42.18 0.85 0.00	36.60 0.29 0.00	34.84 -0.11 0.00
NIAGARA__115KV_198_GIBSON 55903	26.23 -0.64 0.00	29.23 -1.04 0.33	31.59 -0.60 0.00	28.57 -0.56 -0.73	31.06 -0.49 0.00	36.28 -0.62 -1.56	38.02 -0.51 -1.69	34.14 -0.67 0.00	37.20 -0.23 0.00	46.60 -0.39 0.00	44.15 -0.88 0.00	48.25 -1.09 0.00	45.32 -1.85 0.00	61.95 -2.27 0.00	52.58 -1.14 0.00	51.96 -1.43 0.00	49.03 -0.91 0.00	49.25 -0.84 0.00	47.80 -0.66 0.00	49.86 -0.34 0.00	48.22 -0.21 0.00	41.65 0.31 0.00	36.31 0.00 0.00	34.61 -0.34 0.00
NIAGARA____ 23760	26.31 -0.56 0.00	29.29 -1.00 0.31	31.61 -0.57 0.00	28.53 -0.63 -0.76	31.04 -0.50 0.00	36.24 -0.72 -1.62	38.13 -0.47 -1.77	34.24 -0.57 0.00	37.30 -0.13 0.00	46.76 -0.23 0.00	44.48 -0.55 0.00	48.70 -0.64 0.00	45.73 -1.44 0.00	62.56 -1.66 0.00	53.06 -0.65 0.00	52.43 -0.95 0.00	49.46 -0.47 0.00	49.69 -0.40 0.00	48.22 -0.25 0.00	50.26 0.06 0.00	48.61 0.19 0.00	41.97 0.64 0.00	36.47 0.15 0.00	34.70 -0.25 0.00
NINE_MILE_1 23575	25.99 -0.88 0.00	29.51 -1.08 0.00	31.10 -1.08 0.00	27.42 -0.98 0.00	30.52 -1.03 0.00	34.26 -1.08 0.00	35.78 -1.06 0.00	33.82 -0.99 0.00	36.43 -1.00 0.00	43.20 -1.23 2.56	24.33 -1.15 19.55	25.67 -1.23 22.44	28.62 -1.22 17.34	22.11 -1.49 40.62	21.67 -1.15 30.89	35.70 -1.18 16.49	24.36 -1.05 24.52	26.88 -1.06 22.15	23.14 -1.01 24.32	25.97 -1.02 23.21	23.51 -0.97 23.95	24.13 -0.81 16.40	27.03 -0.85 8.43	31.26 -0.93 2.76
NINE_MILE_2 23744	25.99 -0.88 0.00	29.51 -1.08 0.00	31.10 -1.08 0.00	27.42 -0.98 0.00	30.52 -1.03 0.00	34.26 -1.08 0.00	35.78 -1.06 0.00	33.82 -0.99 0.00	36.44 -1.00 0.00	43.16 -1.23 2.60	24.04 -1.15 19.85	25.33 -1.23 22.78	28.36 -1.22 17.60	21.49 -1.49 41.23	21.21 -1.15 31.36	35.45 -1.18 16.74	23.99 -1.05 24.90	26.55 -1.06 22.48	22.77 -1.01 24.69	25.62 -1.02 23.56	23.15 -0.97 24.31	23.88 -0.81 16.65	26.90 -0.85 8.56	31.22 -0.93 2.80
NM_CAPITAL____DRP 24208	27.80 0.93 0.00	31.58 0.98 0.00	33.15 0.97 0.00	29.26 0.87 0.00	32.45 0.91 0.00	36.27 0.93 0.00	37.67 0.83 0.00	35.78 0.97 0.00	38.37 0.94 0.00	48.22 1.23 0.00	46.27 1.23 0.00	50.64 1.30 0.00	48.70 1.52 0.00	66.43 2.22 0.00	72.29 1.73 -16.84	67.70 2.09 -12.23	72.35 1.88 -20.54	70.20 1.81 -18.30	59.34 1.71 -9.17	66.75 1.65 -14.90	50.27 1.65 -0.19	47.87 1.26 -5.28	37.49 1.18 0.00	36.13 1.18 0.00
NM_CENTRAL____DRP 24181	26.54 -0.33 0.00	30.10 -0.49 0.00	31.71 -0.47 0.00	27.93 -0.46 0.00	31.12 -0.43 0.00	35.01 -0.33 0.00	36.60 -0.24 0.00	34.61 -0.20 0.00	37.35 -0.08 0.00	47.20 -0.04 -0.25	46.98 0.06 -1.89	51.62 0.11 -2.17	48.89 0.04 -1.68	68.45 0.30 -3.93	57.13 0.43 -2.99	55.33 0.36 -1.59	52.71 0.40 -2.37	52.60 0.37 -2.14	51.20 0.38 -2.35	52.84 0.39 -2.24	51.12 0.37 -2.31	43.27 0.35 -1.59	37.21 0.08 -0.81	35.13 -0.09 -0.27
NM_FRONTIER____DRP 24179	26.23 -0.64 0.00	29.23 -1.04 0.33	31.59 -0.60 0.00	28.57 -0.56 -0.73	31.06 -0.49 0.00	36.28 -0.62 -1.56	38.02 -0.51 -1.69	34.14 -0.67 0.00	37.20 -0.23 0.00	46.60 -0.39 0.00	44.15 -0.88 0.00	48.25 -1.09 0.00	45.32 -1.85 0.00	61.95 -2.27 0.00	52.58 -1.14 0.00	51.96 -1.43 0.00	49.03 -0.91 0.00	49.25 -0.84 0.00	47.80 -0.66 0.00	49.86 -0.34 0.00	48.22 -0.21 0.00	41.65 0.31 0.00	36.31 0.00 0.00	34.61 -0.34 0.00
NM_ST_REGIS____HYD 24053	26.25 -0.62 0.00	30.06 -0.53 0.00	31.62 -0.56 0.00	27.96 -0.43 0.00	31.16 -0.38 0.00	35.05 -0.29 0.00	36.53 -0.30 0.00	34.36 -0.45 0.00	36.78 -0.65 0.00	45.89 -1.16 -0.07	44.28 -1.28 -0.53	48.52 -1.42 -0.60	46.19 -1.45 -0.46	62.94 -2.37 -1.09	52.27 -2.27 -0.83	50.73 -3.10 -0.44	47.47 -3.12 -0.66	47.73 -2.96 -0.60	46.49 -2.63 -0.65	48.46 -2.37 -0.62	46.78 -2.29 -0.64	39.89 -1.88 -0.44	35.21 -1.33 -0.23	33.72 -1.31 -0.07
NORTHPORT____1 23551	28.79 1.92 0.00	32.56 1.97 0.00	33.85 1.67 0.00	29.76 1.36 0.00	32.99 1.45 0.00	36.82 1.47 0.00	38.47 1.64 0.00	36.93 2.12 0.00	39.84 2.40 0.00	56.09 3.43 -5.67	71.00 3.66 -22.31	76.52 4.09 -23.09	78.79 4.04 -27.58	79.60 5.49 -9.89	115.14 4.89 -56.54	91.45 4.87 -33.19	98.69 4.69 -44.06	96.33 4.81 -41.42	84.85 4.43 -31.95	114.42 4.05 -60.17	81.29 3.94 -28.92	78.35 3.06 -33.96	38.73 2.42 0.00	46.49 2.70 -8.84
NORTHPORT____2 23552	28.79 1.92 0.00	32.56 1.97 0.00	33.85 1.67 0.00	29.76 1.36 0.00	32.99 1.45 0.00	36.82 1.47 0.00	38.47 1.64 0.00	36.93 2.12 0.00	39.84 2.40 0.00	56.09 3.43 -5.67	71.00 3.66 -22.31	76.52 4.09 -23.09	78.79 4.04 -27.58	79.60 5.49 -9.89	115.14 4.89 -56.54	91.45 4.87 -33.19	98.69 4.69 -44.06	96.33 4.81 -41.42	84.85 4.43 -31.95	114.42 4.05 -60.17	81.29 3.94 -28.92	78.35 3.06 -33.96	38.73 2.42 0.00	46.49 2.70 -8.84
NORTHPORT____3 23553	28.91 2.04 0.00	32.63 2.04 0.00	33.87 1.69 0.00	29.79 1.40 0.00	33.01 1.46 0.00	36.87 1.53 0.00	38.51 1.67 0.00	37.01 2.20 0.00	39.91 2.47 0.00	56.25 3.59 -5.67	71.13 3.78 -22.31	76.62 4.20 -23.09	78.96 4.21 -27.57	80.20 6.27 -9.72	115.24 5.51 -56.01	91.65 5.23 -33.04	98.94 4.94 -44.06	96.58 5.08 -41.42	85.19 4.78 -31.95	114.72 4.37 -60.15	81.42 4.23 -28.76	78.48 3.18 -33.96	38.84 2.53 0.00	46.57 2.77 -8.84
NORTHPORT____4 23650	28.91 2.04 0.00	32.63 2.04 0.00	33.87 1.69 0.00	29.79 1.40 0.00	33.01 1.46 0.00	36.87 1.53 0.00	38.51 1.67 0.00	37.01 2.20 0.00	39.91 2.47 0.00	56.25 3.59 -5.67	71.13 3.78 -22.31	76.62 4.20 -23.09	78.96 4.21 -27.57	80.20 6.27 -9.72	115.24 5.51 -56.01	91.65 5.23 -33.04	98.94 4.94 -44.06	96.58 5.08 -41.42	85.19 4.78 -31.95	114.72 4.37 -60.15	81.42 4.23 -28.76	78.48 3.18 -33.96	38.84 2.53 0.00	46.57 2.77 -8.84
NORTHPORT____IC 23718	28.79 1.92 0.00	32.56 1.97 0.00	33.85 1.67 0.00	29.76 1.36 0.00	32.99 1.45 0.00	36.82 1.47 0.00	38.47 1.64 0.00	36.93 2.12 0.00	39.84 2.40 0.00	56.09 3.43 -5.67	71.00 3.66 -22.31	76.52 4.09 -23.09	78.79 4.04 -27.58	79.60 5.49 -9.89	115.14 4.89 -56.54	91.45 4.87 -33.19	98.69 4.69 -44.06	96.33 4.81 -41.42	84.85 4.43 -31.95	114.42 4.05 -60.17	81.29 3.94 -28.92	78.35 3.06 -33.96	38.73 2.42 0.00	46.49 2.70 -8.84

NORTH__COUNTRY_ESR 323785	26.69 -0.18 0.00	30.72 0.13 0.00	32.28 0.10 0.00	28.53 0.13 0.00	31.74 0.19 0.00	35.58 0.24 0.00	36.89 0.05 0.00	34.70 -0.11 0.00	37.11 -0.32 0.00	46.17 -0.82 0.00	44.06 -0.97 0.00	48.21 -1.13 0.00	45.94 -1.23 0.00	61.98 -2.24 0.00	51.42 -2.30 0.00	50.73 -2.65 0.00	47.44 -2.49 0.00	47.78 -2.30 0.00	46.36 -2.11 0.00	48.21 -1.99 0.00	46.25 -2.18 0.00	39.35 -1.99 0.00	34.77 -1.54 0.00	33.50 -1.45 0.00
NPX_GEN_1385_PROXY 323591	28.10 1.23 0.00	31.98 1.39 0.00	34.14 1.96 0.00	30.01 1.62 0.00	33.38 1.83 0.00	36.60 1.26 0.00	38.25 1.41 0.00	36.56 1.75 0.00	39.11 1.68 0.00	54.48 1.82 -5.67	69.95 2.61 -22.31	75.85 3.42 -23.09	78.61 3.86 -27.58	78.88 4.77 -9.89	115.11 4.85 -56.54	91.37 4.79 -33.19	98.44 4.45 -44.06	96.35 4.84 -41.42	84.21 3.79 -31.95	114.73 4.36 -60.17	81.19 3.85 -28.92	77.39 2.10 -33.96	37.80 1.49 0.00	37.89 1.48 -1.46
NPX_GEN_CSC 323557	28.95 2.08 0.00	32.72 2.13 0.00	33.99 1.81 0.00	29.84 1.45 0.00	33.08 1.53 0.00	37.00 1.66 0.00	38.74 1.90 0.00	37.22 2.41 0.00	40.25 2.81 0.00	56.79 4.13 -5.67	71.59 4.24 -22.31	77.31 4.89 -23.09	79.77 4.94 -27.66	87.18 7.05 -15.91	162.14 6.17 -102.24	120.67 5.85 -61.43	188.12 5.69 -132.49	397.42 6.04 -341.29	157.15 5.61 -103.07	136.78 5.22 -81.36	103.62 5.03 -50.16	79.06 3.77 -33.96	39.22 2.91 0.00	46.91 3.12 -8.84
NSINS_S_GLNS_FALLS 23858	28.86 1.99 0.00	32.62 2.02 0.00	34.16 1.98 0.00	30.15 1.76 0.00	33.45 1.90 0.00	37.40 2.06 0.00	39.01 2.17 0.00	37.10 2.29 0.00	39.90 2.47 0.00	50.25 3.27 0.00	47.94 2.92 0.00	52.47 3.13 0.00	50.44 3.27 0.00	68.55 4.33 0.00	73.18 3.48 -15.98	69.26 4.30 -11.57	73.59 4.24 -19.41	71.44 4.06 -17.29	61.41 4.28 -8.66	68.77 4.42 -14.15	52.89 4.28 -0.18	49.94 3.60 -5.01	39.22 2.91 0.00	37.53 2.58 0.00
NUCOR_STEEL__DRP 24197	27.14 0.28 0.00	30.75 0.16 0.00	32.38 0.19 0.00	28.59 0.19 0.00	31.72 0.18 0.00	35.73 0.39 0.00	37.26 0.42 0.00	35.20 0.39 0.00	38.00 0.57 0.00	48.22 0.79 -0.45	49.33 0.89 -3.41	54.26 1.01 -3.91	51.04 0.85 -3.02	72.78 1.48 -7.08	60.56 1.45 -5.38	57.61 1.36 -2.87	55.59 1.38 -4.27	55.32 1.37 -3.86	54.07 1.37 -4.24	55.67 1.42 -4.05	53.98 1.38 -4.17	45.40 1.21 -2.86	38.73 0.95 -1.47	35.97 0.54 -0.48
NUMBER_THREE_WT_PWR 323818	26.13 -0.74 0.00	29.86 -0.73 0.00	31.42 -0.76 0.00	27.82 -0.58 0.00	31.46 -0.09 0.00	36.05 0.70 0.00	37.75 0.91 0.00	35.54 0.73 0.00	37.79 0.36 0.00	46.84 -0.33 -0.18	45.83 -0.59 -1.39	50.36 -0.58 -1.60	48.73 0.32 -1.23	68.07 0.96 -2.89	56.70 0.79 -2.20	55.07 0.52 -1.17	52.19 0.51 -1.74	52.46 0.80 -1.57	51.49 1.30 -1.73	53.52 1.67 -1.65	51.84 1.71 -1.70	43.96 1.47 -1.17	37.94 1.03 -0.60	35.91 0.76 -0.20
NYISO_LBMP_REFERENCE 24008	26.87 0.00 0.00	30.60 0.00 0.00	32.18 0.00 0.00	28.39 0.00 0.00	31.55 0.00 0.00	35.34 0.00 0.00	36.84 0.00 0.00	34.81 0.00 0.00	37.43 0.00 0.00	46.99 0.00 0.00	45.03 0.00 0.00	49.34 0.00 0.00	47.17 0.00 0.00	64.22 0.00 0.00	53.72 0.00 0.00	53.38 0.00 0.00	49.93 0.00 0.00	50.09 0.00 0.00	48.46 0.00 0.00	50.20 0.00 0.00	48.43 0.00 0.00	41.33 0.00 0.00	36.31 0.00 0.00	34.95 0.00 0.00
NYPA_BRENTWD__GT 24164	29.31 2.44 0.00	33.10 2.51 0.00	34.40 2.22 0.00	30.25 1.85 0.00	33.52 1.97 0.00	37.46 2.12 0.00	39.18 2.34 0.00	37.65 2.84 0.00	40.68 3.25 0.00	57.19 4.53 -5.67	72.00 4.66 -22.31	77.66 5.24 -23.09	79.89 5.12 -27.60	82.59 6.96 -11.40	129.11 6.13 -69.26	105.68 5.88 -46.42	132.28 5.64 -76.71	179.43 5.80 -123.55	108.37 5.35 -54.55	121.56 5.00 -66.36	88.13 4.93 -34.77	79.14 3.84 -33.96	39.49 3.18 0.00	47.25 3.46 -8.84
NYPA_GOWANUS__GT5 24156	28.79 1.93 0.00	32.46 1.87 0.00	33.86 1.68 0.00	29.87 1.48 0.00	33.05 1.50 0.00	36.90 1.55 0.00	38.43 1.60 0.00	36.83 2.02 0.00	40.02 2.31 -0.28	52.97 3.05 -2.94	48.16 2.95 -0.17	52.75 3.40 -0.01	55.75 3.73 -4.85	69.66 5.45 0.00	116.25 4.79 -57.74	97.23 5.06 -38.80	118.34 4.93 -63.48	109.90 4.80 -55.02	81.04 4.42 -28.15	106.71 4.09 -52.42	55.18 3.80 -2.95	64.43 3.15 -19.94	100.38 2.72 -61.36	37.69 2.74 0.00
NYPA_GOWANUS__GT6 24157	28.79 1.93 0.00	32.46 1.87 0.00	33.86 1.68 0.00	29.87 1.48 0.00	33.05 1.50 0.00	36.90 1.55 0.00	38.43 1.60 0.00	36.83 2.02 0.00	40.02 2.31 -0.28	52.97 3.05 -2.94	48.16 2.95 -0.17	52.75 3.40 -0.01	55.75 3.73 -4.85	69.66 5.45 0.00	116.25 4.79 -57.74	97.23 5.06 -38.80	118.34 4.93 -63.48	109.90 4.80 -55.02	81.04 4.42 -28.15	106.71 4.09 -52.42	55.18 3.80 -2.95	64.43 3.15 -19.94	100.38 2.72 -61.36	37.69 2.74 0.00
NYPA_HARLEM_RVR_GT1 24160	28.68 1.81 0.00	32.32 1.72 0.00	33.72 1.54 0.00	29.78 1.39 0.00	32.88 1.33 0.00	36.72 1.38 0.00	38.35 1.51 0.00	36.68 1.87 0.00	39.60 2.17 0.00	49.87 2.88 0.00	47.78 2.75 0.00	52.53 3.20 0.01	50.71 3.54 0.01	69.37 5.15 0.00	116.05 4.59 -57.74	97.16 4.98 -38.80	118.14 4.73 -63.48	109.70 4.60 -55.02	80.79 4.18 -28.15	106.46 3.84 -52.42	52.68 3.61 -0.64	62.43 2.91 -18.19	38.85 2.54 0.00	37.46 2.51 0.00
NYPA_HARLEM_RVR_GT2 24161	28.68 1.81 0.00	32.32 1.72 0.00	33.72 1.54 0.00	29.78 1.39 0.00	32.88 1.33 0.00	36.72 1.38 0.00	38.35 1.51 0.00	36.68 1.87 0.00	39.60 2.17 0.00	49.87 2.88 0.00	47.78 2.75 0.00	52.53 3.20 0.01	50.71 3.54 0.01	69.37 5.15 0.00	116.05 4.59 -57.74	97.16 4.98 -38.80	118.14 4.73 -63.48	109.70 4.60 -55.02	80.79 4.18 -28.15	106.46 3.84 -52.42	52.68 3.61 -0.64	62.43 2.91 -18.19	38.85 2.54 0.00	37.46 2.51 0.00
NYPA_KENT__GT 24152	28.78 1.91 0.00	32.44 1.85 0.00	33.84 1.66 0.00	29.85 1.46 0.00	33.03 1.49 0.00	36.87 1.53 0.00	38.41 1.58 0.00	36.79 1.98 0.00	39.71 2.27 0.00	49.95 2.96 0.00	47.89 2.86 0.00	52.63 3.29 -0.01	52.66 3.60 -1.88	69.54 5.33 0.00	116.19 4.73 -57.74	97.23 5.06 -38.80	118.31 4.89 -63.48	109.86 4.76 -55.02	80.99 4.37 -28.15	106.64 4.02 -52.42	54.13 3.71 -2.00	63.58 3.03 -19.21	74.96 2.60 -36.04	37.58 2.63 0.00
NYPA_POUCH1__GT 24155	28.76 1.89 0.00	32.41 1.82 0.00	33.81 1.63 0.00	29.83 1.44 0.00	33.00 1.46 0.00	36.84 1.50 0.00	38.37 1.53 0.00	36.78 1.97 0.00	37.92 2.20 1.72	39.64 2.87 10.22	40.38 2.76 7.41	40.73 3.20 11.81	40.28 3.54 10.43	54.72 5.20 14.70	58.04 4.59 0.27	97.08 4.90 -38.80	118.19 4.77 -63.48	107.89 4.66 -53.15	80.91 4.29 -28.15	106.56 3.94 -52.42	55.03 3.65 -2.95	50.74 3.01 -6.40	42.71 2.59 -3.81	37.59 2.64 0.00
NYPA_VERNON__GT2 24162	28.74 1.87 0.00	32.40 1.81 0.00	33.79 1.61 0.00	29.82 1.43 0.00	33.00 1.45 0.00	36.83 1.49 0.00	38.37 1.52 0.00	36.73 1.92 0.00	39.65 2.22 0.00	49.89 2.91 0.00	47.83 2.81 0.00	52.56 3.22 0.00	49.63 3.53 1.08	69.50 5.28 0.00	116.19 4.74 -57.74	97.29 5.12 -38.80	118.31 4.90 -63.48	109.87 4.77 -55.02	80.98 4.36 -28.15	106.60 3.97 -52.42	53.15 3.68 -1.05	62.77 2.94 -18.49	49.56 2.52 -10.73	37.50 2.55 0.00

NYPY_VERNON____GT3 24163	28.74 1.87 0.00	32.40 1.81 0.00	33.79 1.61 0.00	29.82 1.43 0.00	33.00 1.45 0.00	36.83 1.49 0.00	38.37 1.52 0.00	36.73 1.92 0.00	39.65 2.22 0.00	49.89 2.91 0.00	47.83 2.81 0.00	52.56 3.22 0.00	49.63 3.53 1.08	69.50 5.28 0.00	116.19 4.74 -57.74	97.29 5.12 -38.80	118.31 4.90 -63.48	109.87 4.77 -55.02	80.98 4.36 -28.15	106.60 3.97 -52.42	53.15 3.68 -1.05	62.77 2.94 -18.49	49.56 2.52 -10.73	37.50 2.55 0.00
NYPY____ASTORIA_CC1 323568	28.69 1.82 0.00	32.35 1.75 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.30 1.46 0.00	36.67 1.86 0.00	39.57 2.14 0.00	49.79 2.80 0.00	47.72 2.69 0.00	52.41 3.08 0.01	47.95 3.40 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.73 4.63 -55.02	80.83 4.21 -28.15	106.46 3.84 -52.42	52.63 3.55 -0.64	62.36 2.85 -18.19	38.75 2.44 0.00	37.43 2.48 0.00
NYPY____ASTORIA_CC2 323569	28.69 1.82 0.00	32.35 1.75 0.00	33.75 1.56 0.00	29.78 1.38 0.00	32.94 1.39 0.00	36.77 1.43 0.00	38.30 1.46 0.00	36.67 1.86 0.00	39.57 2.14 0.00	49.79 2.80 0.00	47.72 2.69 0.00	52.41 3.08 0.01	47.95 3.40 2.62	69.31 5.09 0.00	116.04 4.58 -57.74	97.15 4.97 -38.80	118.18 4.77 -63.48	109.73 4.63 -55.02	80.83 4.21 -28.15	106.46 3.84 -52.42	52.63 3.55 -0.64	62.36 2.85 -18.19	38.75 2.44 0.00	37.43 2.48 0.00
NYPY____HOLTSVILL 23794	29.07 2.20 0.00	32.86 2.27 0.00	34.16 1.98 0.00	30.01 1.61 0.00	33.26 1.71 0.00	37.17 1.83 0.00	38.89 2.05 0.00	37.35 2.54 0.00	40.32 2.89 0.00	56.81 4.15 -5.67	71.52 4.18 -22.31	77.16 4.73 -23.09	79.61 4.78 -27.66	86.76 6.72 -15.82	160.68 5.90 -101.07	132.85 5.79 -73.67	198.89 5.55 -143.41	390.06 5.70 -334.28	163.54 5.28 -109.79	137.37 4.90 -82.28	103.57 4.78 -50.35	78.94 3.65 -33.96	39.18 2.87 0.00	46.94 3.14 -8.84
NYPY____HELLGATE_GT1 24158	28.68 1.81 0.00	32.32 1.72 0.00	33.72 1.54 0.00	29.78 1.39 0.00	32.88 1.33 0.00	36.72 1.38 0.00	38.35 1.51 0.00	36.68 1.87 0.00	39.60 2.17 0.00	49.87 2.88 0.00	47.78 2.75 0.00	52.53 3.20 0.01	50.71 3.54 0.01	69.37 5.15 0.00	116.05 4.59 -57.74	97.16 4.98 -38.80	118.13 4.72 -63.48	109.69 4.59 -55.02	80.79 4.17 -28.15	106.46 3.84 -52.42	52.68 3.61 -0.64	62.43 2.91 -18.19	38.78 2.47 0.00	37.41 2.45 0.00
NYPY____HELLGATE_GT2 24159	28.68 1.81 0.00	32.32 1.72 0.00	33.72 1.54 0.00	29.78 1.39 0.00	32.88 1.33 0.00	36.72 1.38 0.00	38.35 1.51 0.00	36.68 1.87 0.00	39.60 2.17 0.00	49.87 2.88 0.00	47.78 2.75 0.00	52.53 3.20 0.01	50.71 3.54 0.01	69.37 5.15 0.00	116.05 4.59 -57.74	97.16 4.98 -38.80	118.13 4.72 -63.48	109.69 4.59 -55.02	80.79 4.17 -28.15	106.46 3.84 -52.42	52.68 3.61 -0.64	62.43 2.91 -18.19	38.78 2.47 0.00	37.41 2.45 0.00
NYS_BARGE____HYD 23848	26.59 -0.27 0.00	29.58 -0.71 0.30	31.91 -0.27 0.00	28.87 -0.36 -0.84	31.32 -0.22 0.00	36.82 -0.32 -1.80	38.87 0.05 -1.98	34.59 -0.23 0.00	37.70 0.27 0.00	47.27 0.29 0.00	45.08 0.05 0.00	49.35 0.01 0.00	46.40 -0.78 0.00	63.47 0.09 0.00	53.81 0.09 0.00	53.09 -0.29 0.00	50.05 0.11 0.00	50.31 0.23 0.00	48.85 0.39 0.00	50.95 0.75 0.00	49.26 0.83 0.00	42.55 1.22 0.00	36.92 0.61 0.00	35.04 0.09 0.00
OAK_ORCHARD____HYD 24046	27.23 0.36 0.00	30.68 0.09 0.00	32.53 0.34 0.00	29.82 0.24 -1.18	31.92 0.37 0.00	38.42 0.50 -2.58	40.51 0.83 -2.85	35.44 0.63 0.00	38.45 1.02 0.00	48.35 1.37 0.00	46.15 1.12 0.00	50.58 1.24 0.00	47.93 0.76 0.00	65.60 1.38 0.00	55.39 1.67 0.00	54.85 1.47 0.00	51.46 1.53 0.00	51.64 1.56 0.00	50.11 1.64 0.00	52.11 1.91 0.00	50.27 1.84 0.00	43.18 1.85 0.00	37.52 1.21 0.00	35.73 0.78 0.00
OAKDALE____35_KV_LOAD 356122	27.02 0.15 0.00	30.72 0.13 0.00	32.38 0.19 0.00	27.52 0.09 0.96	31.69 0.15 0.00	33.30 0.21 2.26	34.71 0.36 2.48	35.24 0.44 0.00	38.08 0.65 0.00	48.03 0.87 -0.17	47.25 0.92 -1.30	51.82 1.00 -1.49	49.22 0.90 -1.15	68.66 1.75 -2.69	57.48 1.71 -2.05	56.14 1.67 -1.09	53.23 1.67 -1.63	53.07 1.52 -1.47	51.50 1.42 -1.61	53.16 1.42 -1.54	51.39 1.37 -1.59	43.68 1.26 -1.09	37.63 0.76 -0.56	35.69 0.56 -0.18
OCC_CHEM____DRP 24175	26.28 -0.59 0.00	29.28 -0.99 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.55 -1.56	38.13 -0.41 -1.70	34.22 -0.59 0.00	37.28 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.38 -0.95 0.00	45.44 -1.74 0.00	62.12 -2.10 0.00	52.71 -1.01 0.00	52.09 -1.29 0.00	49.14 -0.79 0.00	49.38 -0.71 0.00	47.94 -0.53 0.00	49.98 -0.22 0.00	48.35 -0.07 0.00	41.76 0.43 0.00	36.39 0.08 0.00	34.68 -0.28 0.00
OH_GEN_PROXY 24063	26.46 -0.41 0.00	29.49 -0.82 0.28	31.79 -0.39 0.00	28.66 -0.40 -0.66	31.23 -0.31 0.00	36.38 -0.37 -1.41	38.35 -0.04 -1.55	34.44 -0.38 0.00	37.48 0.05 0.00	47.03 0.05 0.00	44.80 -0.23 0.00	49.08 -0.26 0.00	46.13 -1.05 0.00	63.15 -1.07 0.00	53.53 -0.19 0.00	52.87 -0.51 0.00	49.86 -0.07 0.00	50.07 -0.01 0.00	48.58 0.12 0.00	50.63 0.43 0.00	48.94 0.51 0.00	42.23 0.90 0.00	36.63 0.32 0.00	34.87 -0.08 0.00
OLIN_CORP_DRP 24177	26.31 -0.56 0.00	29.24 -1.03 0.33	31.61 -0.57 0.00	28.53 -0.63 -0.76	31.04 -0.50 0.00	36.31 -0.67 -1.64	38.29 -0.33 -1.79	34.17 -0.64 0.00	37.23 -0.20 0.00	46.64 -0.35 0.00	44.44 -0.59 0.00	48.64 -0.70 0.00	45.70 -1.48 0.00	62.50 -1.72 0.00	53.04 -0.68 0.00	52.39 -0.99 0.00	49.41 -0.52 0.00	49.66 -0.42 0.00	48.21 -0.25 0.00	50.28 0.08 0.00	48.63 0.20 0.00	42.00 0.67 0.00	36.50 0.19 0.00	34.66 -0.29 0.00
OLIN_CORP_DSASP 323712	26.28 -0.59 0.00	29.27 -1.00 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.56 -1.56	38.12 -0.43 -1.72	34.21 -0.60 0.00	37.29 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.43 -0.91 0.00	45.47 -1.70 0.00	62.14 -2.08 0.00	52.73 -0.99 0.00	52.13 -1.25 0.00	49.17 -0.76 0.00	49.42 -0.66 0.00	47.96 -0.50 0.00	50.02 -0.18 0.00	48.36 -0.07 0.00	41.78 0.45 0.00	36.38 0.07 0.00	34.68 -0.28 0.00
ONEIDA_HERK_LFGE 323681	26.99 0.12 0.00	30.74 0.14 0.00	32.32 0.14 0.00	28.56 0.16 0.00	31.96 0.42 0.00	36.13 0.79 0.00	37.79 0.95 0.00	35.71 0.90 0.00	38.27 0.84 0.00	47.88 0.79 -0.10	46.55 0.76 -0.76	51.14 0.93 -0.87	49.07 1.22 -0.67	67.77 1.97 -1.58	56.45 1.53 -1.20	55.43 1.40 -0.64	52.22 1.33 -0.95	52.45 1.50 -0.86	51.11 1.70 -0.95	53.03 1.92 -0.90	51.26 1.90 -0.93	43.59 1.62 -0.64	37.83 1.19 -0.33	36.00 0.94 -0.11
ONEIDA____115KV_TB4 55905	27.45 0.58 0.00	31.19 0.59 0.00	32.81 0.63 0.00	28.91 0.52 0.00	32.23 0.68 0.00	36.25 0.91 0.00	37.91 1.08 0.00	35.90 1.09 0.00	38.69 1.25 0.00	48.71 1.59 -0.14	47.74 1.66 -1.05	52.49 1.96 -1.20	50.04 1.93 -0.93	69.28 2.89 -2.17	57.66 2.29 -1.65	56.54 2.28 -0.88	53.38 2.14 -1.31	53.51 2.24 -1.19	52.06 2.30 -1.30	53.90 2.46 -1.24	52.14 2.43 -1.28	44.31 2.10 -0.88	38.28 1.52 -0.45	36.33 1.23 -0.15

ONONDAGA_REF_OCCRA 23987	26.73 -0.13 0.00	30.34 -0.26 0.00	31.94 -0.24 0.00	28.14 -0.25 0.00	31.34 -0.20 0.00	35.24 -0.10 0.00	36.84 0.01 0.00	34.87 0.06 0.00	37.62 0.18 0.00	47.57 0.29 -0.30	47.73 0.40 -2.29	52.46 0.49 -2.63	49.62 0.41 -2.03	69.80 0.81 -4.77	58.17 0.83 -3.63	56.08 0.76 -1.94	53.60 0.79 -2.88	53.43 0.75 -2.60	52.06 0.74 -2.85	53.67 0.75 -2.72	51.97 0.73 -2.81	43.94 0.68 -1.93	37.66 0.36 -0.99	35.45 0.17 -0.32
ONONDAGA___COGEN 23986	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.20 0.35 -4.38	54.74 0.36 -4.18	53.13 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
ONTARIO___LFGE 23819	27.06 0.20 0.00	30.82 0.01 -0.21	32.25 0.07 0.00	30.08 0.04 -1.65	31.64 0.09 0.00	39.15 0.16 -3.65	41.34 0.48 -4.03	35.30 0.49 0.00	38.25 0.82 0.00	48.34 1.21 -0.15	47.52 1.37 -1.12	52.14 1.52 -1.28	49.33 1.17 -0.99	68.74 2.20 -2.32	57.75 2.26 -1.77	56.21 1.88 -0.94	53.37 2.03 -1.40	53.32 1.97 -1.27	51.92 2.07 -1.39	53.75 2.23 -1.33	51.97 2.17 -1.37	44.27 2.00 -0.94	38.06 1.27 -0.48	35.91 0.80 -0.16
ORANGEVILLE_WT_PWR 323706	26.24 -0.63 0.00	28.19 -1.03 1.38	31.40 -0.78 0.00	13.42 -0.89 14.08	30.74 -0.81 0.00	2.23 -0.93 32.18	0.75 -0.54 35.55	34.21 -0.61 0.00	37.34 -0.09 0.00	47.14 0.15 0.00	45.32 0.28 0.00	49.54 0.20 0.00	46.42 -0.76 0.00	63.78 -0.44 0.00	53.95 0.23 0.00	53.21 -0.18 0.00	50.48 0.54 0.00	50.66 0.58 0.00	49.21 0.75 0.00	51.40 1.20 0.00	49.81 1.38 0.00	42.96 1.62 0.00	37.19 0.88 0.00	35.25 0.30 0.00
ORANGEVILLE___ESR 323794	26.24 -0.63 0.00	28.19 -1.03 1.38	31.40 -0.78 0.00	13.42 -0.89 14.08	30.74 -0.81 0.00	2.23 -0.93 32.18	0.75 -0.54 35.55	34.21 -0.61 0.00	37.34 -0.09 0.00	47.14 0.15 0.00	45.32 0.28 0.00	49.54 0.20 0.00	46.42 -0.76 0.00	63.78 -0.44 0.00	53.95 0.23 0.00	53.21 -0.18 0.00	50.48 0.54 0.00	50.66 0.58 0.00	49.21 0.75 0.00	51.40 1.20 0.00	49.81 1.38 0.00	42.96 1.62 0.00	37.19 0.88 0.00	35.25 0.30 0.00
OSWEGATCHIE___HYD 24044	26.13 -0.74 0.00	29.87 -0.73 0.00	31.44 -0.74 0.00	27.81 -0.58 0.00	31.21 -0.34 0.00	35.43 0.09 0.00	37.06 0.22 0.00	34.88 0.07 0.00	37.21 -0.22 0.00	46.33 -0.81 -0.15	45.17 -1.02 -1.16	49.56 -1.11 -1.33	47.52 -0.68 -1.03	65.84 -0.80 -2.42	54.80 -0.75 -1.84	52.94 -1.43 -0.98	49.92 -1.48 -1.46	50.17 -1.23 -1.32	49.11 -0.80 -1.45	51.12 -0.46 -1.38	49.50 -0.35 -1.43	42.07 -0.24 -0.98	36.64 -0.17 -0.50	34.82 -0.30 -0.16
OSWEGO___5 23606	26.21 -0.66 0.00	29.76 -0.84 0.00	31.36 -0.82 0.00	27.65 -0.74 0.00	30.77 -0.78 0.00	34.55 -0.79 0.00	36.09 -0.75 0.00	34.11 -0.70 0.00	36.75 -0.68 0.00	48.07 -0.82 -1.91	58.86 -0.75 -14.58	65.27 -0.80 -16.73	59.28 -0.81 -12.93	93.58 -0.92 -30.29	76.09 -0.66 -23.03	64.98 -0.71 -12.30	67.63 -0.59 -18.28	66.00 -0.60 -16.51	66.03 -0.56 -18.13	66.94 -0.56 -17.30	65.75 -0.53 -17.85	53.14 -0.41 -12.23	42.07 -0.52 -6.29	36.38 -0.63 -2.06
OSWEGO___6 23613	26.21 -0.66 0.00	29.76 -0.84 0.00	31.36 -0.82 0.00	27.65 -0.74 0.00	30.77 -0.78 0.00	34.55 -0.79 0.00	36.09 -0.75 0.00	34.11 -0.70 0.00	36.75 -0.68 0.00	48.07 -0.82 -1.91	58.86 -0.75 -14.58	65.27 -0.80 -16.73	59.28 -0.81 -12.93	93.58 -0.92 -30.29	76.09 -0.66 -23.03	64.98 -0.71 -12.30	67.63 -0.59 -18.28	66.00 -0.60 -16.51	66.03 -0.56 -18.13	66.94 -0.56 -17.30	65.75 -0.53 -17.85	53.14 -0.41 -12.23	42.07 -0.52 -6.29	36.38 -0.63 -2.06
OUTOKUMPU-AB___DRP 24206	26.81 -0.06 0.00	29.81 -0.43 0.35	32.20 0.02 0.00	29.10 -0.06 -0.77	31.61 0.06 0.00	37.06 0.06 -1.66	39.03 0.38 -1.80	34.93 0.12 0.00	38.12 0.68 0.00	47.79 0.81 0.00	45.54 0.51 0.00	49.74 0.41 0.00	46.70 -0.47 0.00	63.95 -0.27 0.00	54.21 0.50 0.00	53.45 0.06 0.00	50.48 0.54 0.00	50.71 0.63 0.00	49.20 0.74 0.00	51.29 1.09 0.00	49.59 1.16 0.00	42.76 1.43 0.00	37.14 0.83 0.00	35.31 0.36 0.00
OXBOW____ 24026	26.47 -0.40 0.00	29.46 -0.79 0.34	31.86 -0.33 0.00	28.80 -0.35 -0.75	31.29 -0.26 0.00	36.61 -0.34 -1.61	38.47 -0.14 -1.77	34.48 -0.33 0.00	37.63 0.20 0.00	47.16 0.18 0.00	44.84 -0.19 0.00	49.02 -0.31 0.00	46.00 -1.17 0.00	62.94 -1.28 0.00	53.34 -0.38 0.00	52.65 -0.74 0.00	49.74 -0.20 0.00	49.98 -0.10 0.00	48.51 0.05 0.00	50.57 0.37 0.00	48.88 0.45 0.00	42.20 0.87 0.00	36.68 0.37 0.00	34.91 -0.04 0.00
OXY_CHEM_DSASP 323612	26.28 -0.59 0.00	29.28 -0.99 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.55 -1.56	38.13 -0.41 -1.70	34.22 -0.59 0.00	37.28 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.38 -0.95 0.00	45.44 -1.74 0.00	62.12 -2.10 0.00	52.71 -1.01 0.00	52.09 -1.29 0.00	49.14 -0.79 0.00	49.38 -0.71 0.00	47.94 -0.53 0.00	49.98 -0.22 0.00	48.35 -0.07 0.00	41.76 0.43 0.00	36.39 0.08 0.00	34.68 -0.28 0.00
OZONE_PARK_ESR 323760	29.06 2.19 0.00	32.78 2.18 0.00	34.20 2.02 0.00	30.16 1.76 0.00	33.38 1.83 0.00	37.28 1.94 0.00	38.86 2.02 0.00	37.24 2.44 0.00	40.25 2.82 0.00	50.75 3.76 0.00	48.75 3.72 0.00	53.62 4.28 0.00	51.67 4.50 0.00	70.93 6.71 0.00	117.43 5.96 -57.75	98.52 6.34 -38.80	119.49 6.07 -63.49	111.04 5.94 -55.02	82.14 5.53 -28.15	107.81 5.19 -52.43	53.87 4.80 -0.64	63.39 3.87 -18.19	39.58 3.28 0.00	38.15 3.20 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	26.28 -0.59 0.00	29.28 -0.99 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.55 -1.56	38.13 -0.41 -1.70	34.22 -0.59 0.00	37.28 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.38 -0.95 0.00	45.44 -1.74 0.00	62.12 -2.10 0.00	52.71 -1.01 0.00	52.09 -1.29 0.00	49.14 -0.79 0.00	49.38 -0.71 0.00	47.94 -0.53 0.00	49.98 -0.22 0.00	48.35 -0.07 0.00	41.76 0.43 0.00	36.39 0.08 0.00	34.68 -0.28 0.00
PACKARD___115KV_DUPONT_184 80571	26.28 -0.59 0.00	29.28 -0.99 0.33	31.65 -0.54 0.00	28.62 -0.50 -0.73	31.12 -0.43 0.00	36.35 -0.55 -1.56	38.13 -0.41 -1.70	34.22 -0.59 0.00	37.28 -0.15 0.00	46.71 -0.28 0.00	44.28 -0.75 0.00	48.38 -0.95 0.00	45.44 -1.74 0.00	62.12 -2.10 0.00	52.71 -1.01 0.00	52.09 -1.29 0.00	49.14 -0.79 0.00	49.38 -0.71 0.00	47.94 -0.53 0.00	49.98 -0.22 0.00	48.35 -0.07 0.00	41.76 0.43 0.00	36.39 0.08 0.00	34.68 -0.28 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	28.69 1.82 0.00	32.35 1.76 0.00	33.77 1.59 0.00	29.82 1.42 0.00	32.94 1.40 0.00	36.80 1.46 0.00	38.37 1.53 0.00	36.72 1.91 0.00	39.65 2.21 0.00	49.88 2.89 0.00	47.82 2.79 0.00	52.59 3.26 0.01	50.75 3.58 0.01	69.41 5.19 0.00	116.07 4.61 -57.74	97.16 4.99 -38.80	118.16 4.75 -63.48	109.72 4.62 -55.02	80.82 4.21 -28.15	106.50 3.88 -52.42	52.74 3.66 -0.64	62.47 2.95 -18.19	38.81 2.50 0.00	37.43 2.48 0.00

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	28.87 2.01 0.00	32.59 2.00 0.00	34.01 1.83 0.00	30.04 1.65 0.00	33.19 1.65 0.00	37.08 1.74 0.00	38.69 1.86 0.00	37.00 2.18 0.00	39.99 2.56 0.00	50.34 3.35 0.00	48.47 3.44 0.00	53.38 4.05 0.01	51.56 4.39 0.01	70.56 6.34 0.00	116.85 5.39 -57.74	97.91 5.73 -38.80	118.84 5.42 -63.48	110.41 5.31 -55.02	81.32 4.71 -28.15	107.02 4.40 -52.42	53.31 4.24 -0.64	62.96 3.44 -18.19	39.13 2.82 0.00	37.75 2.80 0.00
PATROON__115KV_TB1 80586	27.83 0.96 0.00	31.61 1.01 0.00	33.17 0.99 0.00	29.29 0.89 0.00	32.48 0.94 0.00	36.32 0.98 0.00	37.74 0.90 0.00	35.85 1.04 0.00	38.46 1.03 0.00	48.33 1.34 0.00	46.40 1.37 0.00	50.83 1.50 0.00	48.87 1.70 0.00	66.71 2.48 0.00	72.16 1.95 -16.49	67.66 2.29 -11.99	72.14 2.07 -20.13	70.01 1.97 -17.95	59.32 1.87 -8.99	66.61 1.81 -14.59	50.39 1.78 -0.18	47.87 1.37 -5.17	37.56 1.25 0.00	36.20 1.25 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	26.96 0.09 0.00	30.02 -0.21 0.36	32.33 0.15 0.00	29.14 0.01 -0.74	31.71 0.16 0.00	37.16 0.21 -1.61	39.20 0.65 -1.71	35.21 0.41 0.00	38.39 0.95 0.00	48.26 1.27 0.00	46.14 1.11 0.00	50.50 1.17 0.00	47.60 0.43 0.00	65.38 1.17 0.00	55.38 1.66 0.00	54.61 1.23 0.00	51.51 1.57 0.00	51.67 1.58 0.00	50.07 1.60 0.00	52.12 1.92 0.00	50.34 1.91 0.00	43.37 2.04 0.00	37.52 1.21 0.00	35.66 0.71 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	28.83 1.96 0.00	32.57 1.97 0.00	34.02 1.84 0.00	29.97 1.57 0.00	33.19 1.65 0.00	37.12 1.78 0.00	38.72 1.88 0.00	37.07 2.26 0.00	40.04 2.60 0.00	50.52 3.54 0.00	48.66 3.63 0.00	53.40 4.06 0.00	51.45 4.28 0.00	70.55 6.33 0.00	90.75 5.64 -31.39	84.31 6.09 -24.84	98.54 5.81 -42.80	94.92 5.66 -39.17	72.84 5.15 -19.23	82.01 4.79 -27.02	53.24 4.47 -0.34	54.65 3.53 -9.78	39.22 2.91 0.00	37.76 2.81 0.00
PEEKSKILL____ 23653	28.43 1.56 0.00	32.11 1.52 0.00	33.54 1.36 0.00	29.56 1.17 0.00	32.75 1.20 0.00	36.61 1.27 0.00	38.14 1.31 0.00	36.52 1.70 0.00	39.42 1.99 0.00	49.73 2.74 0.00	47.79 2.76 0.00	52.48 3.14 0.00	50.52 3.35 0.00	69.28 5.06 0.00	119.77 4.53 -61.52	100.41 4.94 -42.09	123.93 4.69 -69.30	115.16 4.60 -60.48	83.49 4.24 -30.78	172.26 3.85 -118.20	52.91 3.56 -0.92	63.48 2.79 -19.36	38.63 2.32 0.00	37.24 2.29 0.00
PGE MADISON__WINDPWR 24146	28.46 1.59 0.00	32.37 1.71 -0.07	33.96 1.78 0.00	29.93 1.54 0.00	33.38 1.83 0.00	36.52 2.01 0.84	38.24 2.33 0.92	37.21 2.39 0.00	40.33 2.90 0.00	50.67 3.50 -0.19	50.47 4.01 -1.43	55.60 4.63 -1.64	52.87 4.43 -1.27	74.16 6.97 -2.97	62.15 6.17 -2.26	60.12 5.53 -1.21	57.45 5.72 -1.79	57.42 5.72 -1.62	55.62 5.38 -1.78	57.67 5.78 -1.70	55.90 5.73 -1.75	47.35 4.82 -1.20	40.52 3.59 -0.62	38.31 3.16 -0.20
PIERCEFIELD__HYD 23852	26.03 -0.84 0.00	29.78 -0.82 0.00	31.33 -0.85 0.00	27.71 -0.68 0.00	30.90 -0.64 0.00	34.77 -0.57 0.00	36.28 -0.56 0.00	34.11 -0.70 0.00	36.50 -0.94 0.00	45.57 -1.50 -0.08	44.01 -1.61 -0.59	48.24 -1.77 -0.67	45.94 -1.76 -0.52	62.74 -2.70 -1.22	52.14 -2.51 -0.93	50.42 -3.46 -0.50	47.16 -3.52 -0.74	47.41 -3.34 -0.67	46.22 -2.97 -0.73	48.20 -2.70 -0.70	46.59 -2.56 -0.72	39.76 -2.06 -0.49	35.12 -1.44 -0.25	33.62 -1.42 -0.08
PINELAWN_CC_1 323563	29.24 2.37 0.00	32.99 2.39 0.00	34.28 2.10 0.00	30.15 1.75 0.00	33.41 1.86 0.00	37.34 2.00 0.00	39.03 2.19 0.00	37.50 2.69 0.00	40.53 3.10 0.00	54.17 4.31 -2.87	70.76 4.06 -21.67	76.83 4.40 -23.09	79.16 4.40 -27.58	80.97 6.16 -10.59	122.99 5.54 -63.73	103.80 5.52 -44.90	127.88 5.34 -72.61	144.82 5.44 -89.29	101.22 5.06 -47.69	118.54 4.67 -63.67	85.08 4.66 -31.99	78.90 3.60 -33.96	39.25 2.94 0.00	47.15 3.35 -8.84
PJM_GEN_HTP_PROXY 323702	22.58 1.77 6.06	32.31 1.72 0.00	33.72 1.54 0.00	29.74 1.35 0.00	32.92 1.38 0.00	36.76 1.42 0.00	38.32 1.48 0.00	36.71 1.90 0.00	39.65 2.22 0.00	49.99 3.01 0.00	48.01 2.98 0.00	52.76 3.43 0.00	50.82 3.65 0.00	69.76 5.54 0.00	116.40 4.93 -57.75	96.99 5.31 -38.29	118.47 5.04 -63.49	110.02 4.91 -55.02	81.17 4.55 -28.16	106.81 4.18 -52.43	52.87 3.80 -0.64	62.52 3.00 -18.19	38.86 2.55 0.00	37.49 2.54 0.00
PJM_GEN_KEystone 24065	20.96 0.48 6.39	30.86 0.34 0.07	32.55 0.37 0.00	28.65 0.25 0.00	31.81 0.26 0.00	35.63 0.28 0.00	37.27 0.43 0.00	35.45 0.64 0.00	38.33 0.97 0.07	47.59 1.37 0.76	45.77 1.29 0.55	49.88 1.43 0.89	47.71 1.34 0.81	65.62 2.51 1.10	0.22 2.62 56.12	52.94 2.73 3.16	68.39 2.68 -15.78	85.78 2.53 -33.16	59.59 2.31 -8.83	1.86 2.09 50.43	48.92 1.92 1.42	24.76 1.67 18.24	37.43 1.15 0.03	35.94 0.99 0.00
PJM_GEN_NEPTUNE_PROXY 323594	22.76 1.94 6.06	32.52 1.92 0.00	33.82 1.64 0.00	29.76 1.37 0.00	32.98 1.43 0.00	36.86 1.52 0.00	38.46 1.62 0.00	36.89 2.08 0.00	39.82 2.39 0.00	56.06 3.40 -5.67	70.76 3.42 -22.31	76.25 3.83 -23.09	78.71 3.96 -27.58	80.24 5.80 -10.22	120.12 5.14 -61.26	102.36 5.25 -43.72	125.78 5.05 -70.79	129.01 5.07 -73.85	97.75 4.70 -44.59	116.96 4.30 -62.46	83.27 4.10 -30.74	78.48 3.19 -33.96	38.87 2.56 0.00	46.54 2.74 -8.84
PJM_GEN_VFT_PROXY 323633	22.46 1.64 6.06	32.16 1.57 0.00	33.55 1.37 0.00	29.58 1.19 0.00	32.74 1.19 0.00	36.56 1.22 0.00	38.03 1.25 0.06	36.51 1.70 0.00	38.36 1.97 1.04	38.75 2.65 10.88	39.76 2.62 7.89	39.71 3.04 12.67	38.92 3.30 11.54	53.46 5.03 15.79	48.92 4.53 9.32	49.72 4.91 8.58	39.28 4.71 15.37	41.62 4.56 13.02	39.25 4.20 13.41	50.83 3.79 3.16	40.74 3.46 11.14	46.99 2.72 -2.94	38.25 2.36 0.42	37.31 2.36 0.00
PLATSBRG_115KV_PMLD1 355749	27.01 0.14 0.00	31.07 0.47 0.00	32.67 0.49 0.00	28.89 0.49 0.00	32.11 0.56 0.00	36.04 0.70 0.00	37.38 0.55 0.00	35.09 0.28 0.00	37.42 -0.02 0.00	46.29 -0.70 0.00	43.95 -1.08 0.00	47.95 -1.39 0.00	45.74 -1.43 0.00	61.74 -2.48 0.00	51.12 -2.60 0.00	50.54 -2.84 0.00	47.22 -2.72 0.00	47.40 -2.69 0.00	46.02 -2.44 0.00	47.90 -2.30 0.00	46.00 -2.43 0.00	39.04 -2.29 0.00	34.48 -1.83 0.00	33.19 -1.76 0.00
PLEASANTVLY__LBMP 24000	28.35 1.48 0.00	32.08 1.49 0.00	33.54 1.36 0.00	29.56 1.17 0.00	32.76 1.21 0.00	36.62 1.27 0.00	38.12 1.29 0.00	36.43 1.62 0.00	39.27 1.84 0.00	49.50 2.51 0.00	47.60 2.57 0.00	52.19 2.85 0.00	50.24 3.07 0.00	68.75 4.53 0.00	96.99 3.96 -39.31	84.59 4.37 -26.83	98.19 4.11 -44.15	92.57 3.99 -38.49	71.78 3.71 -19.61	87.78 3.41 -34.17	52.05 3.19 -0.43	56.21 2.51 -12.37	38.41 2.10 0.00	37.06 2.11 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	28.59 1.72 0.00	32.29 1.69 0.00	33.74 1.56 0.00	29.73 1.34 0.00	32.92 1.37 0.00	36.79 1.45 0.00	38.35 1.51 0.00	36.70 1.89 0.00	39.62 2.18 0.00	49.99 3.00 0.00	48.04 3.01 0.00	52.76 3.42 0.00	50.81 3.64 0.00	69.65 5.43 0.00	111.34 4.83 -52.80	94.08 5.25 -35.45	112.91 4.99 -57.98	105.18 4.86 -50.23	78.71 4.54 -25.71	101.24 4.15 -46.89	52.86 3.85 -0.59	60.97 3.01 -16.63	38.83 2.52 0.00	37.44 2.48 0.00

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	28.59 1.72 0.00	32.29 1.69 0.00	33.74 1.56 0.00	29.73 1.34 0.00	32.92 1.37 0.00	36.79 1.45 0.00	38.35 1.51 0.00	36.70 1.89 0.00	39.62 2.18 0.00	49.99 3.00 0.00	48.04 3.01 0.00	52.76 3.42 0.00	50.81 3.64 0.00	69.65 5.43 0.00	111.34 4.83 -52.80	94.08 5.25 -35.45	112.91 4.99 -57.98	105.18 4.86 -50.23	78.71 4.54 -25.71	101.24 4.15 -46.89	52.86 3.85 -0.59	60.97 3.01 -16.63	38.83 2.52 0.00	37.44 2.48 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	28.64 1.77 0.00	32.38 1.79 0.00	33.83 1.65 0.00	29.82 1.43 0.00	33.04 1.49 0.00	36.96 1.62 0.00	38.51 1.68 0.00	36.83 2.02 0.00	39.74 2.31 0.00	50.14 3.15 0.00	48.28 3.25 0.00	52.89 3.56 0.00	50.97 3.79 0.00	69.82 5.60 0.00	80.33 4.90 -21.71	78.21 5.33 -19.50	89.73 5.06 -34.73	87.75 4.85 -32.81	68.73 4.55 -15.72	72.72 4.19 -18.33	52.62 3.96 -0.23	51.15 3.12 -6.70	38.90 2.59 0.00	37.51 2.55 0.00
POLETTI____ 23519	28.64 1.78 0.00	32.31 1.71 0.00	33.70 1.52 0.00	29.73 1.34 0.00	32.91 1.37 0.00	36.73 1.39 0.00	38.25 1.42 0.00	36.67 1.86 0.00	39.59 2.16 0.00	49.91 2.93 0.00	47.90 2.87 0.00	52.63 3.30 0.00	50.72 3.54 0.00	69.57 5.35 0.00	116.25 4.79 -57.75	97.36 5.18 -38.80	118.38 4.96 -63.49	109.93 4.83 -55.02	81.07 4.45 -28.15	106.69 4.06 -52.43	52.78 3.71 -0.64	62.45 2.93 -18.19	38.81 2.50 0.00	37.45 2.50 0.00
POMONA____ESR 323819	28.31 1.44 0.00	31.97 1.38 0.00	33.40 1.22 0.00	29.44 1.05 0.00	32.62 1.07 0.00	36.47 1.13 0.00	37.99 1.15 0.00	36.39 1.57 0.00	39.30 1.87 0.00	49.60 2.61 0.00	47.67 2.64 0.00	52.36 3.03 0.00	50.43 3.26 0.00	69.19 4.97 0.00	142 4.51 56.80	76.50 4.95 -18.16	116.81 4.70 -62.18	139.72 4.58 -85.05	83.92 4.22 -31.24	-4.32 3.79 58.32	51.21 3.49 0.70	24.60 2.72 19.45	38.55 2.24 0.00	37.15 2.19 0.00
PORT_JEFF_3 23555	29.04 2.17 0.00	32.83 2.23 0.00	34.11 1.93 0.00	29.97 1.57 0.00	33.21 1.66 0.00	37.13 1.79 0.00	38.85 2.01 0.00	37.31 2.50 0.00	40.25 2.82 0.00	56.76 4.10 -5.67	71.50 4.15 -22.31	77.14 4.72 -23.09	79.68 4.84 -27.66	87.06 6.79 -16.05	163.18 5.85 -103.61	138.53 5.69 -79.45	212.60 5.46 -157.21	404.25 5.49 -348.67	168.28 5.07 -114.74	138.30 4.73 -83.37	104.40 4.70 -51.28	78.89 3.60 -33.96	39.12 2.81 0.00	46.88 3.09 -8.84
PORT_JEFF_4 23616	29.04 2.17 0.00	32.83 2.23 0.00	34.11 1.93 0.00	29.97 1.57 0.00	33.21 1.66 0.00	37.13 1.79 0.00	38.85 2.01 0.00	37.31 2.50 0.00	40.25 2.82 0.00	56.76 4.10 -5.67	71.50 4.15 -22.31	77.14 4.72 -23.09	79.68 4.84 -27.66	87.06 6.79 -16.05	163.18 5.85 -103.61	138.53 5.69 -79.45	212.60 5.46 -157.21	404.25 5.49 -348.67	168.28 5.07 -114.74	138.30 4.73 -83.37	104.40 4.70 -51.28	78.89 3.60 -33.96	39.12 2.81 0.00	46.88 3.09 -8.84
PORT_JEFF_IC 23713	29.13 2.26 0.00	32.93 2.33 0.00	34.22 2.04 0.00	30.05 1.66 0.00	33.30 1.76 0.00	37.24 1.90 0.00	38.97 2.13 0.00	37.42 2.61 0.00	40.32 2.89 0.00	56.86 4.20 -5.67	71.61 4.27 -22.31	77.29 4.87 -23.09	79.94 5.09 -27.68	88.28 7.16 -16.90	172.64 6.22 -112.70	158.78 6.00 -99.40	260.56 5.81 -204.82	456.37 5.70 -400.58	185.75 5.26 -132.03	142.49 4.95 -87.34	108.08 4.99 -54.66	79.15 3.85 -33.96	39.32 3.01 0.00	47.04 3.25 -8.84
PPL PILGRIM_ST_GT1 24216	29.31 2.44 0.00	33.10 2.51 0.00	34.40 2.22 0.00	30.25 1.85 0.00	33.52 1.97 0.00	37.46 2.12 0.00	39.18 2.34 0.00	37.65 2.84 0.00	40.68 3.25 0.00	57.19 4.53 -5.67	72.00 4.66 -22.31	77.66 5.24 -23.09	79.89 5.12 -27.60	82.59 6.96 -11.40	129.11 6.13 -69.26	105.68 5.88 -46.42	132.28 5.64 -76.71	179.43 5.80 -123.55	108.37 5.35 -54.55	121.56 5.00 -66.36	88.13 4.93 -34.77	79.14 3.84 -33.96	39.49 3.18 0.00	47.25 3.46 -8.84
PPL PILGRIM_ST_GT2 24217	29.31 2.44 0.00	33.10 2.51 0.00	34.40 2.22 0.00	30.25 1.85 0.00	33.52 1.97 0.00	37.46 2.12 0.00	39.18 2.34 0.00	37.65 2.84 0.00	40.68 3.25 0.00	57.19 4.53 -5.67	72.00 4.66 -22.31	77.66 5.24 -23.09	79.89 5.12 -27.60	82.59 6.96 -11.40	129.11 6.13 -69.26	105.68 5.88 -46.42	132.28 5.64 -76.71	179.43 5.80 -123.55	108.37 5.35 -54.55	121.56 5.00 -66.36	88.13 4.93 -34.77	79.14 3.84 -33.96	39.49 3.18 0.00	47.25 3.46 -8.84
PPL_SHRM_GT3 24213	28.96 2.09 0.00	32.73 2.14 0.00	34.00 1.82 0.00	29.85 1.45 0.00	33.09 1.54 0.00	37.01 1.67 0.00	38.75 1.91 0.00	37.23 2.42 0.00	40.27 2.84 0.00	56.81 4.15 -5.67	71.61 4.27 -22.31	77.36 4.94 -23.09	79.82 4.99 -27.66	87.49 7.12 -16.15	164.91 6.20 -104.99	141.85 5.22 -83.24	221.37 5.22 -166.22	413.53 6.11 -357.33	173.09 5.68 -118.95	139.42 5.28 -83.94	105.23 5.08 -51.73	79.08 3.79 -33.96	39.22 2.92 0.00	46.92 3.12 -8.84
PPL_SHRM_GT4 24214	28.96 2.09 0.00	32.73 2.14 0.00	34.00 1.82 0.00	29.85 1.45 0.00	33.09 1.54 0.00	37.01 1.67 0.00	38.75 1.91 0.00	37.23 2.42 0.00	40.27 2.84 0.00	56.81 4.15 -5.67	71.61 4.27 -22.31	77.36 4.94 -23.09	79.82 4.99 -27.66	87.49 7.12 -16.15	164.91 6.20 -104.99	141.85 5.22 -83.24	221.37 5.22 -166.22	413.53 6.11 -357.33	173.09 5.68 -118.95	139.42 5.28 -83.94	105.23 5.08 -51.73	79.08 3.79 -33.96	39.22 2.92 0.00	46.92 3.12 -8.84
PROJECT___ORANGE 1 24174	26.56 -0.31 0.00	30.12 -0.47 0.00	31.73 -0.45 0.00	27.96 -0.43 0.00	31.15 -0.40 0.00	35.02 -0.32 0.00	36.62 -0.21 0.00	34.64 -0.17 0.00	37.37 -0.06 0.00	47.24 0.01 -0.25	47.03 0.11 -1.89	51.67 0.16 -2.17	48.94 0.09 -1.67	68.52 0.37 -3.92	57.18 0.48 -2.98	55.39 0.41 -1.59	52.76 0.46 -2.37	52.64 0.42 -2.14	51.24 0.43 -2.35	52.87 0.42 -2.24	51.15 0.41 -2.31	43.31 0.39 -1.58	37.24 0.11 -0.81	35.15 -0.07 -0.27
PROJECT___ORANGE 2 24166	26.56 -0.31 0.00	30.12 -0.47 0.00	31.73 -0.45 0.00	27.96 -0.43 0.00	31.15 -0.40 0.00	35.02 -0.32 0.00	36.62 -0.21 0.00	34.64 -0.17 0.00	37.37 -0.06 0.00	47.24 0.01 -0.25	47.03 0.11 -1.89	51.67 0.16 -2.17	48.94 0.09 -1.67	68.52 0.37 -3.92	57.18 0.48 -2.98	55.39 0.41 -1.59	52.76 0.46 -2.37	52.64 0.42 -2.14	51.24 0.43 -2.35	52.87 0.42 -2.24	51.15 0.41 -2.31	43.31 0.39 -1.58	37.24 0.11 -0.81	35.15 -0.07 -0.27
PUCKETT___SOLAR 323809	27.45 0.58 0.00	31.19 0.60 0.00	32.85 0.67 0.00	28.13 0.51 0.78	32.17 0.63 0.00	34.25 0.77 1.85	35.76 0.96 2.05	35.84 1.03 0.00	38.70 1.26 0.00	48.66 1.50 -0.17	47.96 1.64 -1.29	52.72 1.90 -1.48	50.07 1.76 -1.14	69.98 3.09 -2.68	58.42 2.67 -2.04	56.93 2.46 -1.09	53.83 2.27 -1.62	53.88 2.33 -1.46	52.46 2.39 -1.60	54.19 2.46 -1.53	52.43 2.42 -1.58	44.54 2.13 -1.08	38.34 1.47 -0.56	36.33 1.20 -0.18
PYRITES___HYD 24023	26.64 -0.23 0.00	30.49 -0.11 0.00	32.09 -0.09 0.00	28.36 -0.03 0.00	31.61 0.07 0.00	35.55 0.21 0.00	37.12 0.29 0.00	34.94 0.13 0.00	37.44 0.00 0.00	46.80 -0.26 -0.07	45.26 -0.31 -0.54	49.73 -0.22 -0.62	47.20 -0.46 -0.48	64.40 -0.94 -1.12	53.43 -1.14 -0.85	51.47 -2.36 -0.45	48.12 -2.49 -0.68	48.33 -2.36 -0.61	47.09 -2.04 -0.67	49.20 -1.64 -0.64	47.62 -1.47 -0.66	40.68 -1.11 -0.45	35.92 -0.62 -0.23	34.37 -0.66 -0.08

QUAKERRD_115KV_BK1 80622	26.33 -0.54 0.00	29.71 -0.88 0.00	31.44 -0.74 0.00	28.65 -0.69 -0.95	30.88 -0.67 0.00	36.74 -0.65 -2.05	38.67 -0.43 -2.26	34.29 -0.52 0.00	37.15 -0.28 0.00	46.70 -0.29 0.00	44.66 -0.37 0.00	48.97 -0.36 0.00	46.51 -0.66 0.00	63.62 -0.59 0.00	53.62 -0.10 0.00	53.11 -0.27 0.00	50.02 0.08 0.00	50.19 0.11 0.00	48.71 0.24 0.00	50.60 0.40 0.00	48.79 0.36 0.00	41.84 0.50 0.00	36.38 0.07 0.00	34.68 -0.27 0.00
QUENSBRY_115KV_TB8 356137	28.95 2.08 0.00	32.70 2.10 0.00	34.22 2.04 0.00	30.21 1.82 0.00	33.52 1.97 0.00	37.46 2.12 0.00	39.07 2.24 0.00	37.21 2.40 0.00	40.01 2.58 0.00	50.40 3.41 0.00	48.04 3.01 0.00	52.56 3.22 0.00	50.55 3.38 0.00	68.76 4.54 0.00	73.31 3.66 -15.94	69.49 4.57 -11.55	73.84 4.53 -19.37	71.66 4.32 -17.25	61.67 4.56 -8.65	69.00 4.69 -14.11	53.11 4.50 -0.18	50.10 3.77 -5.00	39.35 3.04 0.00	37.64 2.69 0.00
RAMAPO___LBMP 323565	28.23 1.36 0.00	31.90 1.30 0.00	33.33 1.15 0.00	29.38 0.98 0.00	32.55 1.00 0.00	36.39 1.04 0.00	37.91 1.07 0.00	36.29 1.48 0.00	39.20 1.77 0.00	49.45 2.46 0.00	47.50 2.47 0.00	52.17 2.83 0.00	50.22 3.05 0.00	68.85 4.63 0.00	2.05 4.21 55.88	71.80 4.64 -13.78	106.47 4.41 -52.12	127.96 4.31 -73.56	78.87 3.95 -26.45	-4.15 3.54 57.89	51.00 3.26 0.69	24.85 2.54 19.02	38.40 2.09 0.00	37.01 2.06 0.00
RANKINE____ 23646	26.88 0.01 0.00	29.84 -0.33 0.42	32.25 0.07 0.00	29.09 -0.06 -0.75	31.62 0.08 0.00	37.08 0.11 -1.63	39.15 0.55 -1.76	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.95 0.92 0.00	50.32 0.98 0.00	47.34 0.17 0.00	64.98 0.76 0.00	55.05 1.33 0.00	54.30 0.91 0.00	51.28 1.35 0.00	51.47 1.38 0.00	49.88 1.41 0.00	51.98 1.78 0.00	50.25 1.82 0.00	43.32 1.99 0.00	37.50 1.19 0.00	35.63 0.68 0.00
RAVENSWOOD_GT2_1 24244	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.79 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.98 2.99 0.00	47.96 2.93 0.00	52.69 3.35 0.00	50.77 3.60 0.00	69.63 5.41 0.00	116.29 4.83 -57.74	97.40 5.23 -38.80	118.40 4.98 -63.48	109.95 4.85 -55.02	81.09 4.48 -28.15	106.71 4.09 -52.42	52.83 3.76 -0.64	62.49 2.97 -18.19	38.84 2.54 0.00	37.51 2.56 0.00
RAVENSWOOD_GT2_2 24245	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.79 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.98 2.99 0.00	47.96 2.93 0.00	52.69 3.35 0.00	50.77 3.60 0.00	69.63 5.41 0.00	116.29 4.83 -57.74	97.40 5.23 -38.80	118.40 4.98 -63.48	109.95 4.85 -55.02	81.09 4.48 -28.15	106.71 4.09 -52.42	52.83 3.76 -0.64	62.49 2.97 -18.19	38.84 2.54 0.00	37.51 2.56 0.00
RAVENSWOOD_GT2_3 24246	28.70 1.83 0.00	32.38 1.79 0.00	33.78 1.60 0.00	29.80 1.40 0.00	32.98 1.44 0.00	36.82 1.47 0.00	38.33 1.49 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.02 3.03 0.00	48.00 2.97 0.00	52.73 3.39 0.00	50.82 3.64 0.00	69.69 5.47 0.00	116.35 4.89 -57.74	97.46 5.28 -38.80	118.45 5.03 -63.48	110.00 4.90 -55.02	81.13 4.52 -28.15	106.76 4.14 -52.42	52.88 3.81 -0.64	62.53 3.01 -18.19	38.87 2.56 0.00	37.54 2.58 0.00
RAVENSWOOD_GT2_4 24247	28.70 1.83 0.00	32.38 1.79 0.00	33.78 1.60 0.00	29.80 1.40 0.00	32.98 1.44 0.00	36.82 1.47 0.00	38.33 1.49 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.02 3.03 0.00	48.00 2.97 0.00	52.73 3.39 0.00	50.82 3.64 0.00	69.69 5.47 0.00	116.35 4.89 -57.74	97.46 5.28 -38.80	118.45 5.03 -63.48	110.00 4.90 -55.02	81.13 4.52 -28.15	106.76 4.14 -52.42	52.88 3.81 -0.64	62.53 3.01 -18.19	38.87 2.56 0.00	37.54 2.58 0.00
RAVENSWOOD_GT3_1 24248	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.79 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.98 2.99 0.00	47.96 2.93 0.00	52.69 3.35 0.00	50.78 3.60 0.00	69.64 5.42 0.00	116.29 4.84 -57.74	97.40 5.23 -38.80	118.41 4.99 -63.48	109.95 4.85 -55.02	81.09 4.48 -28.15	106.71 4.09 -52.42	52.83 3.76 -0.64	62.49 2.97 -18.19	38.84 2.54 0.00	37.51 2.56 0.00
RAVENSWOOD_GT3_2 24249	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.79 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.98 2.99 0.00	47.96 2.93 0.00	52.69 3.35 0.00	50.78 3.60 0.00	69.64 5.42 0.00	116.29 4.84 -57.74	97.40 5.23 -38.80	118.41 4.99 -63.48	109.95 4.85 -55.02	81.09 4.48 -28.15	106.71 4.09 -52.42	52.83 3.76 -0.64	62.49 2.97 -18.19	38.84 2.54 0.00	37.51 2.56 0.00
RAVENSWOOD_GT3_3 24250	28.74 1.87 0.00	32.43 1.83 0.00	33.83 1.65 0.00	29.84 1.45 0.00	33.03 1.48 0.00	36.87 1.53 0.00	38.40 1.56 0.00	36.79 1.98 0.00	39.75 2.32 0.00	50.11 3.12 0.00	48.09 3.06 0.00	52.83 3.49 0.00	50.92 3.74 0.00	69.83 5.61 0.00	116.46 5.00 -57.74	97.57 5.39 -38.80	118.56 5.15 -63.48	110.11 5.01 -55.02	81.24 4.62 -28.15	106.86 4.24 -52.42	52.98 3.91 -0.64	62.61 3.09 -18.19	38.94 2.63 0.00	37.60 2.65 0.00
RAVENSWOOD_GT3_4 24251	28.74 1.87 0.00	32.43 1.83 0.00	33.83 1.65 0.00	29.84 1.45 0.00	33.03 1.48 0.00	36.87 1.53 0.00	38.40 1.56 0.00	36.79 1.98 0.00	39.75 2.32 0.00	50.11 3.12 0.00	48.09 3.06 0.00	52.83 3.49 0.00	50.92 3.74 0.00	69.83 5.61 0.00	116.46 5.00 -57.74	97.57 5.39 -38.80	118.56 5.15 -63.48	110.11 5.01 -55.02	81.24 4.62 -28.15	106.86 4.24 -52.42	52.98 3.91 -0.64	62.61 3.09 -18.19	38.94 2.63 0.00	37.60 2.65 0.00
RAVENSWOOD_GT_1 23729	28.74 1.87 0.00	32.40 1.81 0.00	33.79 1.61 0.00	29.82 1.43 0.00	33.00 1.45 0.00	36.83 1.49 0.00	38.37 1.52 0.00	36.73 1.92 0.00	39.65 2.22 0.00	49.89 2.91 0.00	47.83 2.81 0.00	52.56 3.22 0.00	49.63 3.53 1.08	69.50 5.28 0.00	116.19 4.74 -57.74	97.29 5.12 -38.80	118.31 4.90 -63.48	109.87 4.77 -55.02	80.98 4.36 -28.15	106.60 3.97 -52.42	53.15 3.68 -1.05	62.77 2.94 -18.49	49.56 2.52 -10.73	37.50 2.55 0.00
RAVENSWOOD_GT_10 24258	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.80 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.99 3.00 0.00	47.97 2.94 0.00	52.70 3.36 0.00	50.79 3.61 0.00	69.64 5.43 0.00	116.30 4.84 -57.74	97.41 5.23 -38.80	118.41 5.00 -63.48	109.97 4.87 -55.02	81.10 4.49 -28.15	106.72 4.09 -52.42	52.89 3.77 -0.69	62.54 2.98 -18.22	40.09 2.55 -1.24	37.51 2.56 0.00
RAVENSWOOD_GT_11 24259	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.78 1.39 0.00	32.97 1.42 0.00	36.80 1.46 0.00	38.32 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.99 3.00 0.00	47.97 2.94 0.00	52.69 3.35 0.00	50.78 3.60 0.00	69.64 5.43 0.00	116.30 4.84 -57.74	97.40 5.23 -38.80	118.41 5.00 -63.48	109.96 4.86 -55.02	81.10 4.49 -28.15	106.72 4.09 -52.42	52.90 3.78 -0.69	62.54 2.98 -18.22	40.10 2.55 -1.24	37.51 2.56 0.00



RAVENSWOOD_GT_4 24252	28.68 1.81 0.00	32.37 1.77 0.00	33.77 1.59 0.00	29.79 1.39 0.00	32.98 1.43 0.00	36.80 1.46 0.00	38.32 1.49 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.03 3.05 0.00	48.01 2.99 0.00	52.75 3.41 0.00	50.01 3.65 0.82	69.70 5.49 0.00	116.34 4.88 -57.74	97.44 5.26 -38.80	118.45 5.03 -63.48	109.99 4.89 -55.02	81.13 4.52 -28.15	106.76 4.14 -52.42	53.18 3.80 -0.95	62.74 2.99 -18.42	47.03 2.55 -8.17	37.53 2.57 0.00
RAVENSWOOD_GT_5 24254	28.68 1.81 0.00	32.37 1.77 0.00	33.77 1.59 0.00	29.79 1.39 0.00	32.98 1.43 0.00	36.80 1.46 0.00	38.32 1.49 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.03 3.05 0.00	48.01 2.99 0.00	52.75 3.41 0.00	50.01 3.65 0.82	69.70 5.49 0.00	116.34 4.88 -57.74	97.44 5.26 -38.80	118.45 5.03 -63.48	109.99 4.89 -55.02	81.13 4.52 -28.15	106.76 4.14 -52.42	53.18 3.80 -0.95	62.74 2.99 -18.42	47.03 2.55 -8.17	37.53 2.57 0.00
RAVENSWOOD_GT_6 24253	28.68 1.81 0.00	32.37 1.77 0.00	33.77 1.59 0.00	29.79 1.39 0.00	32.98 1.43 0.00	36.80 1.46 0.00	38.32 1.49 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.03 3.05 0.00	48.01 2.99 0.00	52.75 3.41 0.00	50.01 3.65 0.82	69.70 5.49 0.00	116.34 4.88 -57.74	97.44 5.26 -38.80	118.45 5.03 -63.48	109.99 4.89 -55.02	81.13 4.52 -28.15	106.76 4.14 -52.42	53.18 3.80 -0.95	62.74 2.99 -18.42	47.03 2.55 -8.17	37.53 2.57 0.00
RAVENSWOOD_GT_7 24255	28.68 1.81 0.00	32.37 1.77 0.00	33.77 1.59 0.00	29.79 1.39 0.00	32.98 1.43 0.00	36.80 1.46 0.00	38.32 1.49 0.00	36.73 1.92 0.00	39.68 2.25 0.00	50.03 3.05 0.00	48.01 2.99 0.00	52.75 3.41 0.00	50.01 3.65 0.82	69.70 5.49 0.00	116.34 4.88 -57.74	97.44 5.26 -38.80	118.45 5.03 -63.48	109.99 4.89 -55.02	81.13 4.52 -28.15	106.76 4.14 -52.42	53.18 3.80 -0.95	62.74 2.99 -18.42	47.03 2.55 -8.17	37.53 2.57 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.80 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.99 3.00 0.00	47.97 2.94 0.00	52.70 3.36 0.00	50.79 3.61 0.00	69.64 5.43 0.00	116.30 4.84 -57.74	97.41 5.23 -38.80	118.41 5.00 -63.48	109.97 4.87 -55.02	81.10 4.49 -28.15	106.72 4.09 -52.42	52.89 3.77 -0.69	62.54 2.98 -18.22	40.09 2.55 -1.24	37.51 2.56 0.00
RAVENSWOOD_GT_9 24257	28.68 1.81 0.00	32.37 1.77 0.00	33.76 1.58 0.00	29.79 1.39 0.00	32.97 1.42 0.00	36.80 1.46 0.00	38.31 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.99 3.00 0.00	47.97 2.94 0.00	52.70 3.36 0.00	50.79 3.61 0.00	69.64 5.43 0.00	116.30 4.84 -57.74	97.41 5.23 -38.80	118.41 5.00 -63.48	109.97 4.87 -55.02	81.10 4.49 -28.15	106.72 4.09 -52.42	52.89 3.77 -0.69	62.54 2.98 -18.22	40.09 2.55 -1.24	37.51 2.56 0.00
RAVENSWOOD___1 23533	28.72 1.85 0.00	32.38 1.79 0.00	33.78 1.60 0.00	29.80 1.41 0.00	32.97 1.42 0.00	36.81 1.46 0.00	38.33 1.49 0.00	36.70 1.89 0.00	39.61 2.18 0.00	49.86 2.87 0.00	47.80 2.77 0.00	52.51 3.18 0.01	48.05 3.49 2.60	69.46 5.25 0.00	116.18 4.72 -57.74	97.26 5.08 -38.80	118.30 4.88 -63.48	109.84 4.74 -55.02	80.96 4.34 -28.15	106.59 3.97 -52.42	52.72 3.65 -0.64	62.45 2.93 -18.19	38.82 2.51 0.00	37.48 2.53 0.00
RAVENSWOOD___2 23534	28.65 1.78 0.00	32.31 1.71 0.00	33.70 1.52 0.00	29.73 1.34 0.00	32.91 1.36 0.00	36.68 1.34 0.00	38.14 1.30 0.00	36.46 1.65 0.00	39.33 1.89 0.00	49.45 2.46 0.00	47.40 2.37 0.00	52.07 2.74 0.01	47.59 3.06 2.65	69.27 5.06 0.00	116.15 4.69 -57.74	97.25 5.07 -38.80	118.27 4.86 -63.48	109.82 4.72 -55.02	80.94 4.32 -28.15	106.56 3.94 -52.42	52.31 3.63 -0.25	62.12 2.91 -17.88	28.23 2.49 10.57	37.47 2.52 0.00
RAVENSWOOD___3 23535	28.68 1.81 0.00	32.37 1.77 0.00	33.77 1.59 0.00	29.79 1.39 0.00	32.97 1.43 0.00	36.80 1.46 0.00	38.32 1.48 0.00	36.71 1.89 0.00	39.66 2.22 0.00	49.98 2.99 0.00	47.96 2.93 0.00	52.68 3.35 0.00	50.77 3.60 0.00	69.63 5.41 0.00	116.29 4.84 -57.74	97.40 5.23 -38.80	118.40 4.98 -63.48	109.95 4.85 -55.02	81.09 4.48 -28.15	106.71 4.09 -52.42	52.84 3.77 -0.64	62.50 2.98 -18.19	38.86 2.55 0.00	37.51 2.56 0.00
RAVENSWOOD___4 23820	28.70 1.83 0.00	32.36 1.76 0.00	33.76 1.58 0.00	29.78 1.39 0.00	32.95 1.41 0.00	36.79 1.44 0.00	38.30 1.46 0.00	36.67 1.86 0.00	39.59 2.16 0.00	49.82 2.84 0.00	47.77 2.74 0.00	52.47 3.15 0.01	46.46 3.44 4.15	69.42 5.21 0.00	116.15 4.69 -57.74	97.25 5.07 -38.80	118.27 4.86 -63.48	109.82 4.72 -55.02	80.94 4.32 -28.15	106.56 3.94 -52.42	52.31 3.63 -0.25	62.12 2.91 -17.88	28.23 2.49 10.57	37.47 2.52 0.00
RCPL_TRUST___DRP 24196	28.67 1.80 0.00	32.35 1.75 0.00	33.75 1.57 0.00	29.77 1.37 0.00	32.95 1.41 0.00	36.81 1.47 0.00	38.36 1.53 0.00	36.77 1.95 0.00	39.70 2.27 0.00	50.08 3.09 0.00	48.10 3.07 0.00	52.87 3.54 0.00	50.93 3.76 0.00	69.89 5.67 0.00	116.52 5.05 -57.75	97.62 5.43 -38.80	118.58 5.16 -63.49	110.13 5.02 -55.02	81.27 4.65 -28.16	106.90 4.26 -52.43	52.96 3.88 -0.64	62.60 3.08 -18.19	38.90 2.59 0.00	37.54 2.59 0.00
RED___ROCHESTER 323720	27.47 0.60 0.00	30.94 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.15	32.14 0.59 0.00	38.60 0.75 -2.50	40.71 1.11 -2.76	35.71 0.90 0.00	38.77 1.33 0.00	48.77 1.78 0.00	46.56 1.52 0.00	51.05 1.71 0.00	48.42 1.24 0.00	66.30 2.08 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.06 2.12 0.00	52.20 2.12 0.00	50.68 2.21 0.00	52.70 2.50 0.00	50.83 2.40 0.00	43.63 2.29 0.00	37.87 1.56 0.00	36.04 1.09 0.00
REGAN___SOLAR 323812	29.65 2.78 0.00	33.54 2.95 0.00	35.22 3.04 0.00	31.07 2.68 0.00	34.64 3.09 0.00	38.89 3.55 0.00	40.77 3.93 0.00	38.76 3.95 0.00	41.66 4.23 0.00	52.13 5.15 0.00	50.63 5.60 0.00	53.86 4.53 0.00	51.81 4.63 0.00	69.33 5.11 0.00	69.93 3.46 -12.75	67.62 4.98 -9.26	68.56 3.07 -15.55	67.87 3.92 -13.87	60.32 4.91 -6.94	65.99 6.15 -9.65	54.85 6.29 -0.13	50.63 5.30 -4.00	40.56 4.25 0.00	38.70 3.74 0.00
RENSSELAER___COGEN 23796	27.63 0.76 0.00	31.38 0.79 0.00	32.95 0.77 0.00	29.09 0.69 0.00	32.26 0.72 0.00	36.06 0.72 0.00	37.44 0.61 0.00	35.53 0.72 0.00	38.05 0.62 0.00	47.78 0.80 0.00	45.82 0.79 0.00	50.14 0.80 0.00	48.20 1.03 0.00	65.79 1.57 0.00	71.54 1.23 -16.59	67.04 1.55 -12.11	71.70 1.39 -20.37	69.59 1.31 -18.19	58.80 1.24 -9.10	66.04 1.16 -14.69	49.77 1.16 -0.18	47.39 0.86 -5.20	37.16 0.85 0.00	35.88 0.93 0.00
REPUBLIC_115KV_BARTNBRK 55605	30.59 3.72 0.00	34.27 3.67 0.00	35.81 3.63 0.00	31.67 3.28 0.00	35.12 3.57 0.00	39.05 3.71 0.00	40.90 4.06 0.00	39.06 4.25 0.00	41.87 4.44 0.00	52.93 5.95 0.00	50.98 5.95 0.00	55.65 6.31 0.00	53.70 6.53 0.00	73.39 9.17 0.00	76.89 7.19 -15.98	73.61 8.66 -11.57	77.87 8.52 -19.42	75.71 8.33 -17.29	65.60 8.47 -8.66	72.84 8.49 -14.15	56.51 7.90 -0.18	52.77 6.42 -5.01	41.44 5.13 0.00	39.67 4.72 0.00

REVERE_CPDR_DRP 24186	27.59 0.72 0.00	31.35 0.75 0.00	32.95 0.77 0.00	29.06 0.67 0.00	32.44 0.90 0.00	36.57 1.23 0.00	38.30 1.46 0.00	36.27 1.46 0.00	39.06 1.63 0.00	49.14 2.03 -0.13	48.04 2.04 -0.97	52.84 2.39 -1.11	50.41 2.38 -0.86	69.75 3.52 -2.01	57.98 2.74 -1.53	56.90 2.70 -0.82	53.71 2.56 -1.21	53.92 2.74 -1.10	52.52 2.85 -1.21	54.43 3.08 -1.15	52.62 3.01 -1.19	44.74 2.59 -0.81	38.64 1.91 -0.42	36.64 1.55 -0.14
REYNOLDS_115KV_TB3 80639	27.87 1.00 0.00	31.65 1.06 0.00	33.23 1.05 0.00	29.33 0.94 0.00	32.54 0.99 0.00	36.35 1.01 0.00	37.75 0.91 0.00	35.86 1.04 0.00	38.45 1.01 0.00	48.31 1.32 0.00	46.35 1.32 0.00	50.70 1.37 0.00	48.76 1.59 0.00	66.52 2.30 0.00	72.69 1.78 -17.19	68.00 2.16 -12.46	72.78 1.94 -20.91	70.57 1.87 -18.62	59.58 1.78 -9.33	67.15 1.75 -15.20	50.37 1.75 -0.19	48.05 1.33 -5.39	37.56 1.25 0.00	36.21 1.26 0.00
RIVERBAY____ 323610	28.87 2.01 0.00	32.59 2.00 0.00	34.01 1.83 0.00	30.04 1.65 0.00	33.19 1.65 0.00	37.08 1.74 0.00	38.69 1.86 0.00	37.00 2.18 0.00	39.99 2.56 0.00	50.34 3.35 0.00	48.47 3.44 0.00	53.38 4.05 0.01	51.56 4.39 0.01	70.56 6.34 0.00	116.85 5.39 -57.74	97.91 5.73 -38.80	118.84 5.42 -63.48	110.41 5.31 -55.02	81.32 4.71 -28.15	107.02 4.40 -52.42	53.31 4.24 -0.64	62.96 3.44 -18.19	39.13 2.82 0.00	37.75 2.80 0.00
RIVERSIDE_115KV_TB3 55908	27.80 0.93 0.00	31.58 0.98 0.00	33.15 0.97 0.00	29.26 0.87 0.00	32.45 0.91 0.00	36.27 0.93 0.00	37.67 0.83 0.00	35.78 0.97 0.00	38.37 0.94 0.00	48.22 1.23 0.00	46.27 1.23 0.00	50.64 1.30 0.00	48.70 1.52 0.00	66.43 2.22 0.00	72.29 1.73 -16.84	67.70 2.09 -12.23	72.35 1.88 -20.54	70.20 1.81 -18.30	59.34 1.71 -9.17	66.75 1.65 -14.90	50.27 1.65 -0.19	47.87 1.26 -5.28	37.49 1.18 0.00	36.13 1.18 0.00
ROARING__BROOK_WT_PWR 323790	26.17 -0.69 0.00	29.89 -0.70 0.00	31.51 -0.67 0.00	27.90 -0.50 0.00	31.17 -0.38 0.00	35.08 -0.26 0.00	36.66 -0.18 0.00	34.31 -0.50 0.00	36.66 -0.77 0.00	45.81 -1.18 0.00	43.74 -1.29 0.00	48.13 -1.21 0.00	46.12 -1.05 0.00	63.00 -1.22 0.00	52.67 -1.05 0.00	52.41 -0.97 0.00	49.04 -0.89 0.00	49.32 -0.76 0.00	47.87 -0.60 0.00	49.65 -0.55 0.00	47.91 -0.52 0.00	40.89 -0.45 0.00	35.97 -0.34 0.00	34.64 -0.31 0.00
ROCHESRG_115KV_T4 355643	27.04 0.16 0.00	30.41 -0.13 0.06	32.32 0.14 0.00	29.54 0.06 -1.08	31.72 0.17 0.00	37.96 0.27 -2.35	40.00 0.58 -2.58	35.19 0.38 0.00	38.17 0.74 0.00	47.98 1.00 0.00	45.80 0.77 0.00	50.18 0.84 0.00	47.56 0.39 0.00	65.09 0.87 0.00	54.96 1.24 0.00	54.41 1.03 0.00	51.07 1.13 0.00	51.24 1.15 0.00	49.73 1.26 0.00	51.70 1.51 0.00	49.89 1.46 0.00	42.85 1.52 0.00	37.25 0.94 0.00	35.49 0.54 0.00
ROCHESTER_9_IC 23652	27.27 0.40 0.00	30.73 0.13 0.00	32.56 0.38 0.00	29.82 0.28 -1.15	31.95 0.41 0.00	38.39 0.54 -2.50	40.48 0.88 -2.75	35.49 0.68 0.00	38.51 1.07 0.00	48.43 1.44 0.00	46.22 1.19 0.00	50.65 1.31 0.00	48.02 0.84 0.00	65.74 1.52 0.00	55.51 1.79 0.00	54.96 1.58 0.00	51.57 1.63 0.00	51.74 1.65 0.00	50.21 1.75 0.00	52.21 2.01 0.00	50.38 1.95 0.00	43.26 1.93 0.00	37.59 1.28 0.00	35.79 0.84 0.00
ROCKVIEW_13_KV_LD 356306	28.75 1.88 0.00	32.44 1.85 0.00	33.86 1.68 0.00	29.85 1.45 0.00	33.05 1.51 0.00	36.94 1.60 0.00	38.50 1.67 0.00	36.86 2.05 0.00	39.80 2.37 0.00	50.23 3.24 0.00	48.28 3.25 0.00	53.04 3.70 0.00	51.08 3.91 0.00	70.09 5.87 0.00	116.65 5.21 -57.72	97.78 5.61 -38.78	118.73 5.34 -63.46	110.32 5.24 -54.99	81.47 4.86 -28.14	107.10 4.50 -52.40	53.22 4.15 -0.64	62.78 3.27 -18.18	39.04 2.73 0.00	37.65 2.70 0.00
ROME____115KV_TB2 80656	27.59 0.72 0.00	31.35 0.75 0.00	32.95 0.77 0.00	29.06 0.67 0.00	32.44 0.90 0.00	36.57 1.23 0.00	38.30 1.46 0.00	36.27 1.46 0.00	39.06 1.63 0.00	49.14 2.03 -0.13	48.04 2.04 -0.97	52.84 2.39 -1.11	50.41 2.38 -0.86	69.75 3.52 -2.01	57.98 2.74 -1.53	56.90 2.70 -0.82	53.71 2.56 -1.21	53.92 2.74 -1.10	52.52 2.85 -1.21	54.43 3.08 -1.15	52.62 3.01 -1.19	44.74 2.59 -0.81	38.64 1.91 -0.42	36.64 1.55 -0.14
ROSETON__1 23587	28.28 1.41 0.00	32.00 1.40 0.00	33.46 1.28 0.00	29.50 1.11 0.00	32.68 1.14 0.00	36.54 1.20 0.00	38.05 1.22 0.00	36.35 1.54 0.00	39.21 1.78 0.00	49.42 2.44 0.00	47.50 2.47 0.00	52.07 2.73 0.00	50.10 2.92 0.00	68.56 4.34 0.00	24.44 3.84 33.11	42.01 4.23 15.61	32.22 4.00 21.72	38.79 3.86 15.15	42.84 3.58 9.20	27.86 3.26 25.61	51.14 3.07 0.36	33.12 2.40 10.61	38.31 2.00 0.00	36.97 2.02 0.00
ROSETON__2 23588	28.28 1.41 0.00	32.00 1.40 0.00	33.46 1.28 0.00	29.50 1.11 0.00	32.68 1.14 0.00	36.54 1.20 0.00	38.05 1.22 0.00	36.35 1.54 0.00	39.21 1.78 0.00	49.42 2.44 0.00	47.50 2.47 0.00	52.07 2.73 0.00	50.10 2.92 0.00	68.56 4.34 0.00	24.44 3.84 33.11	42.01 4.23 15.61	32.22 4.00 21.72	38.79 3.86 15.15	42.84 3.58 9.20	27.86 3.26 25.61	51.14 3.07 0.36	33.12 2.40 10.61	38.31 2.00 0.00	36.97 2.02 0.00
ROTTDAM_115KV_TB3 80664	28.12 1.25 0.00	31.93 1.34 0.00	33.52 1.34 0.00	29.57 1.18 0.00	32.81 1.27 0.00	36.71 1.37 0.00	38.21 1.37 0.00	36.28 1.47 0.00	39.02 1.59 0.00	49.06 2.07 0.00	47.07 2.04 0.00	51.57 2.24 0.00	49.50 2.33 0.00	67.44 3.21 0.00	71.65 2.66 -15.27	67.50 3.02 -11.09	71.37 2.81 -18.62	69.39 2.71 -16.60	59.45 2.67 -8.31	66.43 2.70 -13.54	51.25 2.66 -0.17	48.28 2.16 -4.79	38.13 1.82 0.00	36.67 1.72 0.00
RUSSELL__1 23602	27.47 0.59 0.00	30.93 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.14	32.14 0.59 0.00	38.60 0.76 -2.50	40.72 1.13 -2.75	35.72 0.91 0.00	38.77 1.33 0.00	48.76 1.78 0.00	46.56 1.52 0.00	51.02 1.68 0.00	48.40 1.23 0.00	66.29 2.07 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.04 2.11 0.00	52.18 2.10 0.00	50.66 2.20 0.00	52.69 2.49 0.00	50.82 2.39 0.00	43.62 2.28 0.00	37.88 1.57 0.00	36.04 1.09 0.00
RUSSELL__2 23532	27.47 0.59 0.00	30.93 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.14	32.14 0.59 0.00	38.60 0.76 -2.50	40.72 1.13 -2.75	35.72 0.91 0.00	38.77 1.33 0.00	48.76 1.78 0.00	46.56 1.52 0.00	51.02 1.68 0.00	48.40 1.23 0.00	66.29 2.07 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.04 2.11 0.00	52.18 2.10 0.00	50.66 2.20 0.00	52.69 2.49 0.00	50.82 2.39 0.00	43.62 2.28 0.00	37.88 1.57 0.00	36.04 1.09 0.00
RUSSELL__3 23549	27.47 0.59 0.00	30.93 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.14	32.14 0.59 0.00	38.60 0.76 -2.50	40.72 1.13 -2.75	35.72 0.91 0.00	38.77 1.33 0.00	48.76 1.78 0.00	46.56 1.52 0.00	51.02 1.68 0.00	48.40 1.23 0.00	66.29 2.07 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.04 2.11 0.00	52.18 2.10 0.00	50.66 2.20 0.00	52.69 2.49 0.00	50.82 2.39 0.00	43.62 2.28 0.00	37.88 1.57 0.00	36.04 1.09 0.00

RUSSELL___4 23556	27.47 0.59 0.00	30.93 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.14	32.14 0.59 0.00	38.60 0.76 -2.50	40.72 1.13 -2.75	35.72 0.91 0.00	38.77 1.33 0.00	48.76 1.78 0.00	46.56 1.52 0.00	51.02 1.68 0.00	48.40 1.23 0.00	66.29 2.07 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.04 2.11 0.00	52.18 2.10 0.00	50.66 2.20 0.00	52.69 2.49 0.00	50.82 2.39 0.00	43.62 2.28 0.00	37.88 1.57 0.00	36.04 1.09 0.00
RUSSELL___STATION 23914	27.47 0.59 0.00	30.93 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.14	32.14 0.59 0.00	38.60 0.76 -2.50	40.72 1.13 -2.75	35.72 0.91 0.00	38.77 1.33 0.00	48.76 1.78 0.00	46.56 1.52 0.00	51.02 1.68 0.00	48.40 1.23 0.00	66.29 2.07 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.04 2.11 0.00	52.18 2.10 0.00	50.66 2.20 0.00	52.69 2.49 0.00	50.82 2.39 0.00	43.62 2.28 0.00	37.88 1.57 0.00	36.04 1.09 0.00
S SALMON___HYD 24043	26.29 -0.58 0.00	29.88 -0.72 0.00	31.52 -0.66 0.00	27.82 -0.58 0.00	31.10 -0.45 0.00	35.23 -0.11 0.00	36.88 0.05 0.00	34.85 0.04 0.00	37.38 -0.06 0.00	47.25 -0.33 -0.59	49.19 -0.35 -4.51	54.13 -0.38 -5.18	51.06 -0.11 -4.00	73.78 0.18 -9.37	61.20 0.35 -7.13	57.28 0.09 -3.81	55.68 0.09 -5.66	55.45 0.25 -5.11	54.52 0.45 -5.61	56.18 0.63 -5.36	54.72 0.76 -5.53	45.79 0.67 -3.78	38.53 0.28 -1.95	35.64 0.05 -0.64
S.PERRY___115KV_TB1 80734	27.63 0.76 0.00	32.56 0.53 -1.43	32.95 0.77 0.00	38.98 0.54 -10.04	32.27 0.73 0.00	59.06 0.92 -22.79	63.50 1.48 -25.18	36.00 1.19 0.00	38.33 0.90 0.00	48.01 1.02 0.00	45.59 0.56 0.00	48.95 -0.38 0.00	45.42 -1.76 0.00	61.93 -2.29 0.00	52.61 -1.11 0.00	52.57 -0.81 0.00	49.75 -0.19 0.00	49.60 -0.49 0.00	48.77 0.30 0.00	51.11 0.91 0.00	49.72 1.30 0.00	42.93 1.60 0.00	38.10 1.79 0.00	36.18 1.23 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	26.75 -0.12 0.00	29.68 -0.50 0.41	32.11 -0.07 0.00	28.97 -0.14 -0.72	31.53 -0.01 0.00	36.87 -0.01 -1.54	38.90 0.38 -1.68	34.86 0.05 0.00	38.00 0.57 0.00	47.70 0.71 0.00	45.51 0.48 0.00	49.81 0.47 0.00	46.85 -0.33 0.00	64.20 -0.02 0.00	54.42 0.70 0.00	53.70 0.32 0.00	50.69 0.76 0.00	50.90 0.81 0.00	49.38 0.92 0.00	51.47 1.27 0.00	49.76 1.34 0.00	42.92 1.59 0.00	37.21 0.90 0.00	35.37 0.42 0.00
SAWYER___23_KV_LOAD 55526	26.75 -0.12 0.00	29.68 -0.50 0.41	32.11 -0.07 0.00	28.97 -0.14 -0.72	31.53 -0.01 0.00	36.87 -0.01 -1.54	38.90 0.38 -1.68	34.86 0.05 0.00	38.00 0.57 0.00	47.70 0.71 0.00	45.51 0.48 0.00	49.81 0.47 0.00	46.85 -0.33 0.00	64.20 -0.02 0.00	54.42 0.70 0.00	53.70 0.32 0.00	50.69 0.76 0.00	50.90 0.81 0.00	49.38 0.92 0.00	51.47 1.27 0.00	49.76 1.34 0.00	42.92 1.59 0.00	37.21 0.90 0.00	35.37 0.42 0.00
SELKIRK___I 23801	27.87 1.00 0.00	31.70 1.10 0.00	33.30 1.13 0.00	29.40 1.01 0.00	32.64 1.09 0.00	36.49 1.15 0.00	37.91 1.07 0.00	35.93 1.11 0.00	38.45 1.02 0.00	48.12 1.13 0.00	45.56 0.53 0.00	49.67 0.34 0.00	47.70 0.52 0.00	65.09 0.87 0.00	69.24 0.68 -14.85	65.69 0.95 -11.36	70.17 0.86 -19.38	68.38 0.74 -17.56	57.90 0.75 -8.68	64.07 0.71 -13.16	49.35 0.76 -0.16	46.76 0.79 -4.64	37.55 1.24 0.00	36.27 1.32 0.00
SELKIRK___II 23799	27.73 0.86 0.00	31.51 0.92 0.00	33.09 0.91 0.00	29.21 0.82 0.00	32.40 0.85 0.00	36.22 0.88 0.00	37.62 0.79 0.00	35.67 0.86 0.00	38.12 0.69 0.00	47.76 0.77 0.00	45.72 0.69 0.00	49.99 0.65 0.00	48.04 0.86 0.00	65.54 1.32 0.00	70.71 1.09 -15.90	66.48 1.38 -11.72	70.96 1.25 -19.77	68.95 1.15 -17.71	58.40 1.11 -8.83	65.32 1.02 -14.10	49.65 1.05 -0.17	47.14 0.82 -4.98	37.21 0.90 0.00	36.04 1.09 0.00
SENECA OSWGO___HYD 24041	26.33 -0.54 0.00	29.87 -0.72 0.00	31.51 -0.67 0.00	27.78 -0.62 0.00	30.93 -0.62 0.00	34.74 -0.60 0.00	36.31 -0.53 0.00	34.33 -0.48 0.00	37.00 -0.43 0.00	47.31 -0.51 -0.83	50.96 -0.40 -6.32	56.18 -0.42 -7.26	52.35 -0.43 -5.61	76.94 -0.42 -13.14	63.43 -0.28 -9.99	58.42 -0.30 -5.34	57.70 -0.17 -7.93	57.08 -0.17 -7.16	56.15 -0.18 -7.87	57.61 -0.10 -7.51	56.12 -0.06 -7.75	46.63 -0.01 -5.31	38.81 -0.23 -2.73	35.47 -0.37 -0.89
SENECA___115KV_TB3 355854	26.93 0.06 0.00	29.90 -0.27 0.42	32.30 0.12 0.00	29.13 -0.01 -0.75	31.68 0.13 0.00	37.15 0.18 -1.63	39.22 0.62 -1.76	35.16 0.35 0.00	38.34 0.91 0.00	48.18 1.19 0.00	46.07 1.03 0.00	50.44 1.10 0.00	47.46 0.29 0.00	65.13 0.91 0.00	55.18 1.46 0.00	54.42 1.03 0.00	51.40 1.47 0.00	51.57 1.49 0.00	50.00 1.53 0.00	52.09 1.89 0.00	50.36 1.93 0.00	43.41 2.08 0.00	37.57 1.26 0.00	35.70 0.75 0.00
SENECA___ENERGY 23797	26.84 -0.03 0.00	30.45 -0.24 -0.10	32.01 -0.17 0.00	29.02 -0.18 -0.81	31.37 -0.17 0.00	37.01 -0.08 -1.75	38.88 0.11 -1.93	34.94 0.13 0.00	37.83 0.40 0.00	47.92 0.59 -0.34	48.37 0.71 -2.62	53.16 0.81 -3.01	50.08 0.58 -2.33	70.86 1.18 -5.45	59.21 1.34 -4.15	56.63 1.03 -2.21	54.49 1.26 -3.29	54.31 1.25 -2.97	53.06 1.34 -3.27	54.75 1.43 -3.12	53.04 1.40 -3.22	44.84 1.31 -2.20	38.24 0.80 -1.13	35.74 0.42 -0.37
SHOEMAKER___GT 23640	28.11 1.24 0.00	31.82 1.22 0.00	33.32 1.14 0.00	29.37 0.97 0.00	32.55 1.01 0.00	36.43 1.09 0.00	37.96 1.12 0.00	36.22 1.41 0.00	39.06 1.63 0.00	49.24 2.25 0.00	47.27 2.24 0.00	51.78 2.45 0.00	49.78 2.61 0.00	68.17 3.95 0.00	8.27 3.54 49.00	-30.65 3.94 87.96	-121.97 3.74 175.65	-128.91 3.68 182.69	-29.68 3.34 81.48	12.54 3.10 40.76	50.84 2.91 0.49	29.74 2.31 13.91	38.20 1.89 0.00	36.82 1.86 0.00
SHOEMAKR_138KV_BK 111 55601	28.09 1.22 0.00	31.79 1.20 0.00	33.29 1.10 0.00	29.34 0.94 0.00	32.52 0.97 0.00	36.39 1.04 0.00	37.90 1.06 0.00	36.18 1.37 0.00	39.03 1.60 0.00	49.20 2.21 0.00	47.25 2.22 0.00	51.79 2.45 0.00	49.79 2.62 0.00	68.17 3.95 0.00	6.19 3.55 51.08	-70.20 3.93 127.51	-208.67 3.74 262.35	-225.15 3.69 278.93	-70.61 3.34 122.41	13.86 3.07 39.42	50.83 2.88 0.48	30.11 2.28 13.50	38.16 1.86 0.00	36.78 1.83 0.00
SHOREHAM_IC_1 23715	28.96 2.09 0.00	32.73 2.14 0.00	34.00 1.82 0.00	29.85 1.45 0.00	33.09 1.54 0.00	37.01 1.67 0.00	38.75 1.91 0.00	37.23 2.42 0.00	40.27 2.84 0.00	56.81 4.15 -5.67	71.61 4.27 -22.31	77.36 4.94 -23.09	79.82 4.99 -27.66	87.49 7.12 -16.15	164.91 6.20 -104.99	141.85 5.22 -83.24	221.37 5.22 -166.22	413.53 6.11 -357.33	173.09 5.68 -118.95	139.42 5.28 -83.94	105.23 5.08 -51.73	79.08 3.79 -33.96	39.22 2.92 0.00	46.92 3.12 -8.84
SHOREHAM_IC_2 23716	28.96 2.09 0.00	32.73 2.14 0.00	34.00 1.82 0.00	29.85 1.45 0.00	33.09 1.54 0.00	37.01 1.67 0.00	38.75 1.91 0.00	37.23 2.42 0.00	40.27 2.84 0.00	56.81 4.15 -5.67	71.61 4.27 -22.31	77.36 4.94 -23.09	79.82 4.99 -27.66	87.49 7.12 -16.15	164.91 6.20 -104.99	141.85 5.22 -83.24	221.37 5.22 -166.22	413.53 6.11 -357.33	173.09 5.68 -118.95	139.42 5.28 -83.94	105.23 5.08 -51.73	79.08 3.79 -33.96	39.22 2.92 0.00	46.92 3.12 -8.84

SISSONVILLE____ 23735	26.03 -0.84 0.00	29.78 -0.82 0.00	31.33 -0.85 0.00	27.71 -0.68 0.00	30.90 -0.64 0.00	34.77 -0.57 0.00	36.28 -0.56 0.00	34.11 -0.70 0.00	36.50 -0.94 0.00	45.57 -1.50 -0.08	44.01 -1.61 -0.59	48.24 -1.77 -0.67	45.94 -1.76 -0.52	62.74 -2.70 -1.22	52.14 -2.51 -0.93	50.42 -3.46 -0.50	47.16 -3.52 -0.74	47.41 -3.34 -0.67	46.22 -2.97 -0.73	48.20 -2.70 -0.70	46.59 -2.56 -0.72	39.76 -2.06 -0.49	35.12 -1.44 -0.25	33.62 -1.42 -0.08
SITHE_IND_GS1 24169	25.98 -0.89 0.00	29.49 -1.10 0.00	31.07 -1.11 0.00	27.40 -0.99 0.00	30.50 -1.05 0.00	34.26 -1.09 0.00	35.76 -1.08 0.00	33.80 -1.01 0.00	36.40 -1.03 0.00	43.34 -1.25 2.39	25.61 -1.16 18.26	27.12 -1.26 20.96	29.74 -1.25 16.19	24.73 -1.55 37.93	23.69 -1.18 28.85	36.77 -1.21 15.40	25.97 -1.07 22.90	28.31 -1.09 20.68	24.73 -1.03 22.71	27.49 -1.04 21.67	25.07 -1.00 22.36	25.21 -0.81 15.31	27.58 -0.86 7.87	31.43 -0.94 2.58
SITHE_IND_GS2 24170	25.98 -0.89 0.00	29.49 -1.10 0.00	31.07 -1.11 0.00	27.40 -0.99 0.00	30.50 -1.05 0.00	34.26 -1.09 0.00	35.76 -1.08 0.00	33.80 -1.01 0.00	36.40 -1.03 0.00	43.34 -1.25 2.39	25.61 -1.16 18.26	27.12 -1.26 20.96	29.74 -1.25 16.19	24.73 -1.55 37.93	23.69 -1.18 28.85	36.77 -1.21 15.40	25.97 -1.07 22.90	28.31 -1.09 20.68	24.73 -1.03 22.71	27.49 -1.04 21.67	25.07 -1.00 22.36	25.21 -0.81 15.31	27.58 -0.86 7.87	31.43 -0.94 2.58
SITHE_IND_GS3 24171	25.98 -0.89 0.00	29.49 -1.10 0.00	31.07 -1.11 0.00	27.40 -0.99 0.00	30.50 -1.05 0.00	34.26 -1.09 0.00	35.76 -1.08 0.00	33.80 -1.01 0.00	36.40 -1.03 0.00	43.34 -1.25 2.39	25.61 -1.16 18.26	27.12 -1.26 20.96	29.74 -1.25 16.19	24.73 -1.55 37.93	23.69 -1.18 28.85	36.77 -1.21 15.40	25.97 -1.07 22.90	28.31 -1.09 20.68	24.73 -1.03 22.71	27.49 -1.04 21.67	25.07 -1.00 22.36	25.21 -0.81 15.31	27.58 -0.86 7.87	31.43 -0.94 2.58
SITHE_IND_GS4 24172	25.98 -0.89 0.00	29.49 -1.10 0.00	31.07 -1.11 0.00	27.40 -0.99 0.00	30.50 -1.05 0.00	34.26 -1.09 0.00	35.76 -1.08 0.00	33.80 -1.01 0.00	36.40 -1.03 0.00	43.34 -1.25 2.39	25.61 -1.16 18.26	27.12 -1.26 20.96	29.74 -1.25 16.19	24.73 -1.55 37.93	23.69 -1.18 28.85	36.77 -1.21 15.40	25.97 -1.07 22.90	28.31 -1.09 20.68	24.73 -1.03 22.71	27.49 -1.04 21.67	25.07 -1.00 22.36	25.21 -0.81 15.31	27.58 -0.86 7.87	31.43 -0.94 2.58
SITHE____BATAVIA 24024	27.59 0.72 0.00	30.78 0.40 0.21	32.99 0.81 0.00	29.95 0.60 -0.95	32.37 0.82 0.00	38.35 0.94 -2.06	40.54 1.42 -2.27	36.01 1.20 0.00	39.25 1.82 0.00	49.28 2.29 0.00	47.03 2.00 0.00	51.42 2.08 0.00	48.69 1.51 0.00	66.58 2.36 0.00	56.25 2.54 0.00	55.49 2.11 0.00	52.23 2.29 0.00	52.45 2.37 0.00	51.06 2.59 0.00	53.25 3.05 0.00	51.41 2.98 0.00	44.27 2.93 0.00	38.32 2.01 0.00	36.38 1.43 0.00
SITHE____INDEPEND 23800	25.98 -0.89 0.00	29.49 -1.10 0.00	31.07 -1.11 0.00	27.40 -0.99 0.00	30.50 -1.05 0.00	34.26 -1.09 0.00	35.76 -1.07 0.00	33.80 -1.01 0.00	36.41 -1.03 0.00	43.34 -1.26 2.39	25.61 -1.17 18.26	27.12 -1.26 20.96	29.74 -1.25 16.19	24.73 -1.56 37.93	23.70 -1.17 28.85	36.77 -1.21 15.40	25.97 -1.07 22.90	28.31 -1.10 20.68	24.73 -1.03 22.71	27.49 -1.04 21.67	25.07 -1.00 22.36	25.21 -0.81 15.31	27.58 -0.86 7.87	31.43 -0.95 2.58
SITHE____MASSENA 23902	26.62 -0.25 0.00	30.45 -0.14 0.00	32.06 -0.12 0.00	28.34 -0.05 0.00	31.51 -0.03 0.00	35.33 -0.02 0.00	36.82 -0.01 0.00	34.61 -0.20 0.00	37.09 -0.35 0.00	46.33 -0.65 0.00	44.31 -0.72 0.00	48.54 -0.80 0.00	46.25 -0.92 0.00	62.60 -1.62 0.00	52.14 -1.57 0.00	51.01 -2.37 0.00	47.51 -2.43 0.00	47.77 -2.31 0.00	46.39 -2.07 0.00	48.29 -1.91 0.00	46.61 -1.82 0.00	39.92 -1.42 0.00	35.43 -0.88 0.00	34.15 -0.80 0.00
SITHE____OGDNSBRG 24021	26.82 -0.04 0.00	30.69 0.09 0.00	32.31 0.13 0.00	28.56 0.16 0.00	31.79 0.25 0.00	35.73 0.39 0.00	37.29 0.45 0.00	35.07 0.26 0.00	37.58 0.14 0.00	46.94 -0.05 0.00	44.98 -0.05 0.00	49.15 -0.19 0.00	46.72 -0.45 0.00	63.26 -0.96 0.00	52.63 -1.09 0.00	51.21 -2.17 0.00	47.64 -2.29 0.00	47.91 -2.17 0.00	46.59 -1.88 0.00	48.73 -1.47 0.00	47.14 -1.28 0.00	40.39 -0.95 0.00	35.84 -0.48 0.00	34.46 -0.49 0.00
SITHE____STERLING 23777	27.45 0.59 0.00	31.18 0.59 0.00	32.81 0.63 0.00	28.91 0.52 0.00	32.23 0.68 0.00	36.24 0.90 0.00	37.91 1.07 0.00	35.90 1.09 0.00	38.68 1.25 0.00	48.71 1.59 -0.14	47.74 1.66 -1.05	52.50 1.96 -1.20	50.04 1.93 -0.93	69.29 2.90 -2.17	57.66 2.29 -1.65	56.55 2.28 -0.88	53.38 2.13 -1.31	53.51 2.24 -1.19	52.06 2.30 -1.30	53.90 2.46 -1.24	52.13 2.43 -1.28	44.31 2.10 -0.88	38.28 1.52 -0.45	36.33 1.23 -0.15
SLEIGHT__34_KV_TB1 80719	27.48 0.61 0.00	31.08 0.48 0.00	32.75 0.57 0.00	29.44 0.49 -0.56	32.18 0.63 0.00	37.34 0.83 -1.17	39.18 1.05 -1.29	35.80 0.99 0.00	38.75 1.32 0.00	49.01 1.75 -0.28	48.97 1.83 -2.12	53.91 2.14 -2.43	50.93 1.87 -1.88	71.51 2.89 -4.40	59.78 2.72 -3.35	57.66 2.49 -1.79	55.10 2.50 -2.66	55.01 2.53 -2.40	53.65 2.55 -2.64	55.39 2.67 -2.52	53.55 2.53 -2.60	45.32 2.21 -1.78	38.88 1.66 -0.91	36.39 1.14 -0.30
SOUTH CAIRO____GT 23612	28.76 1.89 0.00	32.64 2.05 0.00	34.29 2.11 0.00	30.28 1.88 0.00	33.63 2.08 0.00	37.65 2.31 0.00	39.22 2.38 0.00	37.14 2.33 0.00	39.67 2.24 0.00	49.33 2.34 0.00	47.20 2.16 0.00	51.72 2.38 0.00	49.49 2.31 0.00	67.86 3.64 0.00	68.80 3.47 -11.62	67.36 3.61 -10.37	71.86 3.49 -18.44	70.55 3.07 -17.40	59.95 3.14 -8.34	62.19 3.33 -8.66	51.88 3.33 -0.12	47.68 2.76 -3.59	38.88 2.57 0.00	37.47 2.51 0.00
SOUTH HAMPTN____IC 23720	29.63 2.76 0.00	33.46 2.86 0.00	34.75 2.57 0.00	30.50 2.11 0.00	33.81 2.27 0.00	37.84 2.49 0.00	39.66 2.82 0.00	38.14 3.33 0.00	41.32 3.89 0.00	58.25 5.59 -5.67	73.05 5.70 -22.31	79.03 6.61 -23.09	81.34 6.50 -27.66	89.40 9.27 -15.92	164.22 8.11 -102.39	138.50 7.80 -77.31	209.51 7.50 -152.07	400.20 7.79 -342.32	169.35 7.30 -113.59	139.95 6.93 -82.82	105.82 6.61 -50.78	80.32 5.03 -33.96	40.27 3.96 0.00	47.95 4.15 -8.84
SOUTHDOW_115KV_TB1 355954	26.76 -0.11 0.00	29.92 -0.45 0.22	32.33 0.15 0.00	29.51 -0.07 -1.19	31.49 -0.06 0.00	38.08 0.14 -2.60	40.47 0.74 -2.89	35.55 0.74 0.00	38.79 1.36 0.00	48.61 1.63 0.00	46.34 1.31 0.00	50.75 1.41 0.00	48.13 0.96 0.00	66.15 1.93 0.00	56.05 2.33 0.00	55.39 2.01 0.00	52.21 2.28 0.00	52.34 2.25 0.00	50.56 2.10 0.00	52.63 2.43 0.00	50.88 2.45 0.00	43.76 2.42 0.00	37.69 1.38 0.00	35.91 0.96 0.00
SOUTHOLD_69_KV_BK 2 55809	30.36 3.49 0.00	34.25 3.65 0.00	35.57 3.39 0.00	31.22 2.83 0.00	34.60 3.06 0.00	38.75 3.41 0.00	40.64 3.81 0.00	39.19 4.38 0.00	42.51 5.08 0.00	59.83 7.18 -5.67	74.53 7.19 -22.31	80.65 8.22 -23.09	82.04 7.21 -27.66	90.43 10.29 -15.92	165.33 9.18 -102.43	139.52 8.71 -77.43	210.56 8.28 -152.35	401.28 8.63 -342.56	170.28 8.09 -113.73	140.93 7.90 -82.83	106.68 7.46 -50.79	80.93 5.64 -33.96	40.97 4.66 0.00	49.09 5.29 -8.84

SOUTHOLD___IC 23719	30.36 3.49 0.00	34.25 3.65 0.00	35.57 3.39 0.00	31.22 2.83 0.00	34.61 3.06 0.00	38.75 3.41 0.00	40.65 3.81 0.00	39.19 4.38 0.00	42.51 5.08 0.00	59.83 7.17 -5.67	74.54 7.19 -22.31	80.64 8.21 -23.09	82.04 7.20 -27.66	90.41 10.28 -15.92	165.33 9.18 -102.43	139.51 8.70 -77.43	210.59 8.30 -152.35	401.29 8.63 -342.56	170.30 8.10 -113.73	140.94 7.90 -82.83	106.69 7.47 -50.79	80.93 5.64 -33.96	40.97 4.66 0.00	49.09 5.29 -8.84
SPIERFLS_115KV_TB 1 80737	28.69 1.82 0.00	32.43 1.84 0.00	33.96 1.78 0.00	29.98 1.58 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.77 1.94 0.00	36.91 2.10 0.00	39.69 2.26 0.00	49.97 2.99 0.00	47.60 2.57 0.00	52.10 2.76 0.00	50.08 2.90 0.00	68.04 3.82 0.00	72.72 3.10 -15.91	68.81 3.91 -11.52	73.15 3.88 -19.34	70.98 3.67 -17.22	61.05 3.96 -8.63	68.35 4.07 -14.08	52.54 3.94 -0.18	49.65 3.34 -4.99	38.99 2.68 0.00	37.30 2.35 0.00
ST LAWRENCE____ 23600	26.41 -0.46 0.00	30.22 -0.37 0.00	31.80 -0.38 0.00	28.11 -0.28 0.00	31.24 -0.30 0.00	35.01 -0.33 0.00	36.47 -0.37 0.00	34.27 -0.54 0.00	36.73 -0.70 0.00	45.91 -1.07 0.00	43.91 -1.12 0.00	48.09 -1.25 0.00	45.81 -1.36 0.00	62.00 -2.21 0.00	51.66 -2.06 0.00	50.94 -2.45 0.00	47.56 -2.37 0.00	47.81 -2.28 0.00	46.33 -2.14 0.00	48.17 -2.03 0.00	46.41 -2.02 0.00	39.67 -1.66 0.00	35.10 -1.21 0.00	33.87 -1.08 0.00
STATE_CA_115KV_115_LB 55624	27.84 0.97 0.00	31.61 1.01 0.00	33.17 0.99 0.00	29.29 0.89 0.00	32.49 0.94 0.00	36.32 0.98 0.00	37.74 0.90 0.00	35.86 1.04 0.00	38.46 1.03 0.00	48.33 1.35 0.00	46.42 1.38 0.00	50.84 1.51 0.00	48.88 1.71 0.00	66.72 2.49 0.00	72.15 1.95 -16.48	67.65 2.29 -11.98	72.14 2.08 -20.12	70.00 1.98 -17.94	59.31 1.87 -8.98	66.59 1.81 -14.58	50.39 1.78 -0.18	47.87 1.37 -5.16	37.56 1.25 0.00	36.20 1.25 0.00
STATE_ST_34_KV_LOAD 55959	27.31 0.44 0.00	31.00 0.35 -0.05	32.59 0.41 0.00	29.23 0.38 -0.46	31.95 0.40 0.00	36.92 0.63 -0.95	38.58 0.69 -1.05	35.48 0.67 0.00	38.34 0.90 0.00	48.64 1.25 -0.41	49.39 1.21 -3.15	54.23 1.28 -3.61	51.04 1.08 -2.79	72.58 1.83 -6.54	60.62 1.93 -4.98	57.99 1.95 -2.65	55.84 1.96 -3.95	55.60 1.95 -3.57	54.28 1.90 -3.92	55.88 1.95 -3.74	54.16 1.88 -3.86	45.61 1.64 -2.64	38.95 1.29 -1.36	36.25 0.85 -0.44
STATION 5_MISC_HYD 23604	27.27 0.40 0.00	30.73 0.14 0.00	32.56 0.38 0.00	29.82 0.28 -1.15	31.95 0.41 0.00	38.38 0.54 -2.50	40.48 0.88 -2.76	35.49 0.68 0.00	38.51 1.07 0.00	48.43 1.44 0.00	46.23 1.20 0.00	50.67 1.33 0.00	48.04 0.87 0.00	65.76 1.54 0.00	55.52 1.81 0.00	54.99 1.61 0.00	51.59 1.65 0.00	51.75 1.67 0.00	50.23 1.77 0.00	52.23 2.03 0.00	50.39 1.96 0.00	43.27 1.94 0.00	37.58 1.27 0.00	35.79 0.83 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	27.20 0.33 0.00	30.70 0.10 0.00	32.44 0.26 0.00	29.61 0.18 -1.03	31.84 0.29 0.00	38.04 0.45 -2.25	40.06 0.75 -2.48	35.46 0.65 0.00	38.45 1.02 0.00	48.48 1.41 -0.09	47.04 1.35 -0.66	51.65 1.56 -0.76	48.97 1.21 -0.58	67.66 2.07 -1.37	56.87 2.11 -1.04	55.74 1.80 -0.56	52.66 1.90 -0.83	52.77 1.94 -0.75	51.29 2.00 -0.82	53.16 2.18 -0.78	51.31 2.07 -0.81	43.82 1.93 -0.55	37.88 1.28 -0.28	35.89 0.84 -0.09
STA_56_34_KV_BUS2_REV_LBMP_B 345033	27.34 0.47 0.00	30.78 0.18 0.00	32.60 0.42 0.00	29.78 0.29 -1.10	31.96 0.41 0.00	38.29 0.56 -2.39	40.39 0.93 -2.63	35.57 0.76 0.00	38.63 1.20 0.00	48.63 1.65 0.00	46.51 1.47 0.00	51.03 1.69 0.00	48.52 1.35 0.00	66.49 2.27 0.00	56.06 2.34 0.00	55.46 2.07 0.00	51.30 1.37 0.00	51.52 1.43 0.00	49.99 1.52 0.00	51.95 1.75 0.00	50.09 1.66 0.00	42.98 1.65 0.00	37.34 1.03 0.00	35.55 0.60 0.00
STA_56___34_KV_BUS2 355983	27.34 0.47 0.00	30.78 0.18 0.00	32.60 0.42 0.00	29.78 0.29 -1.10	31.96 0.41 0.00	38.29 0.56 -2.39	40.39 0.93 -2.63	35.57 0.76 0.00	38.63 1.20 0.00	48.63 1.65 0.00	46.51 1.47 0.00	51.03 1.69 0.00	48.52 1.35 0.00	66.49 2.27 0.00	56.06 2.34 0.00	55.46 2.07 0.00	51.30 1.37 0.00	51.52 1.43 0.00	49.99 1.52 0.00	51.95 1.75 0.00	50.09 1.66 0.00	42.98 1.65 0.00	37.34 1.03 0.00	35.55 0.60 0.00
STA_67___115KV_BK2 355882	27.18 0.31 0.00	30.64 0.04 0.00	32.48 0.30 0.00	29.73 0.20 -1.14	31.87 0.33 0.00	38.27 0.45 -2.48	40.34 0.78 -2.73	35.38 0.57 0.00	38.39 0.95 0.00	48.26 1.27 0.00	46.07 1.03 0.00	50.47 1.14 0.00	47.84 0.67 0.00	65.49 1.27 0.00	55.30 1.58 0.00	54.75 1.37 0.00	51.38 1.44 0.00	51.55 1.46 0.00	50.02 1.56 0.00	52.03 1.83 0.00	50.21 1.78 0.00	43.11 1.78 0.00	37.46 1.15 0.00	35.68 0.73 0.00
STA_7___115KV_9TRANS 80674	27.47 0.59 0.00	30.93 0.34 0.00	32.78 0.60 0.00	29.99 0.45 -1.14	32.14 0.59 0.00	38.60 0.76 -2.50	40.72 1.13 -2.75	35.72 0.91 0.00	38.77 1.33 0.00	48.76 1.78 0.00	46.56 1.52 0.00	51.02 1.68 0.00	48.40 1.23 0.00	66.29 2.07 0.00	55.99 2.27 0.00	55.44 2.06 0.00	52.04 2.11 0.00	52.18 2.10 0.00	50.66 2.20 0.00	52.69 2.49 0.00	50.82 2.39 0.00	43.62 2.28 0.00	37.88 1.57 0.00	36.04 1.09 0.00
STA_82___115KV_TB1 80780	27.21 0.34 0.00	30.66 0.07 0.00	32.51 0.33 0.00	29.82 0.23 -1.19	31.90 0.36 0.00	38.43 0.48 -2.61	40.53 0.82 -2.87	35.43 0.61 0.00	38.43 1.00 0.00	48.32 1.34 0.00	46.11 1.08 0.00	50.52 1.18 0.00	47.89 0.71 0.00	65.55 1.33 0.00	55.35 1.63 0.00	54.81 1.42 0.00	51.41 1.47 0.00	51.58 1.50 0.00	50.07 1.60 0.00	52.07 1.87 0.00	50.24 1.81 0.00	43.16 1.82 0.00	37.49 1.18 0.00	35.70 0.75 0.00
STEEL___WIND 323596	26.90 0.03 0.00	29.88 -0.29 0.42	32.25 0.07 0.00	29.08 -0.07 -0.76	31.62 0.08 0.00	37.07 0.10 -1.63	39.16 0.53 -1.79	35.09 0.28 0.00	38.26 0.83 0.00	48.08 1.09 0.00	45.99 0.96 0.00	50.37 1.03 0.00	47.39 0.22 0.00	65.01 0.79 0.00	55.05 1.33 0.00	54.31 0.92 0.00	51.29 1.36 0.00	51.49 1.40 0.00	49.88 1.42 0.00	51.99 1.79 0.00	50.24 1.82 0.00	43.32 1.99 0.00	37.51 1.20 0.00	35.65 0.69 0.00
STEPHTWN_115KV_BK_2 55603	27.86 0.99 0.00	31.69 1.10 0.00	33.24 1.06 0.00	29.30 0.90 0.00	32.59 1.04 0.00	36.42 1.08 0.00	37.92 1.08 0.00	36.00 1.19 0.00	38.56 1.13 0.00	48.52 1.53 0.00	46.62 1.59 0.00	51.01 1.67 0.00	49.02 1.85 0.00	66.88 2.66 0.00	72.52 2.20 -16.59	67.92 2.43 -12.11	72.54 2.24 -20.37	70.43 2.16 -18.19	59.66 2.10 -9.10	66.98 2.10 -14.69	50.42 1.81 -0.18	47.96 1.43 -5.20	37.55 1.24 0.00	36.23 1.28 0.00
STEUBEN_REC_LFGE 323667	26.25 -0.62 0.00	30.63 -0.90 -0.93	31.40 -0.78 0.00	32.88 -0.88 -5.37	30.59 -0.95 0.00	46.53 -0.95 -12.14	49.86 -0.40 -13.42	34.43 -0.38 0.00	37.41 -0.03 0.00	47.69 0.59 -0.12	46.99 1.03 -0.93	51.28 0.88 -1.06	47.74 -0.26 -0.82	66.75 0.60 -1.93	55.96 0.78 -1.47	54.64 0.47 -0.78	52.30 1.21 -1.16	52.23 1.09 -1.05	51.07 1.45 -1.15	53.44 2.14 -1.10	52.07 2.50 -1.13	44.54 2.43 -0.78	38.24 1.53 -0.40	35.96 0.88 -0.13

STONY___BROOK 24151	29.25 2.38 0.00	33.03 2.44 0.00	34.32 2.14 0.00	30.15 1.76 0.00	33.41 1.86 0.00	37.36 2.01 0.00	39.10 2.26 0.00	37.56 2.75 0.00	40.50 3.07 0.00	57.13 4.47 -5.67	71.85 4.51 -22.31	77.54 5.12 -23.09	80.17 5.31 -27.68	89.24 7.53 -17.50	178.97 6.57 -118.69	171.41 6.42 -111.61	290.10 6.18 -233.99	489.50 6.14 -433.28	195.01 5.70 -140.85	145.55 5.36 -89.99	110.72 5.33 -56.96	79.41 4.12 -33.96	39.52 3.22 0.00	47.21 3.42 -8.84
STURGEON_POOL_HYD 23609	28.38 1.51 0.00	32.10 1.50 0.00	33.55 1.37 0.00	29.55 1.16 0.00	32.73 1.18 0.00	36.60 1.25 0.00	38.12 1.29 0.00	36.51 1.70 0.00	39.48 2.05 0.00	49.89 2.90 0.00	48.12 3.09 0.00	52.80 3.47 0.00	50.84 3.67 0.00	69.66 5.44 0.00	59.08 4.80 -0.57	65.39 5.22 -6.79	69.61 4.87 -14.81	71.25 4.79 -16.38	59.75 4.31 -6.98	54.10 3.90 0.00	52.09 3.66 0.00	44.17 2.83 0.00	38.58 2.27 0.00	37.18 2.22 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	28.18 1.31 0.00	31.87 1.27 0.00	33.32 1.14 0.00	29.36 0.97 0.00	32.54 0.99 0.00	36.38 1.04 0.00	37.91 1.07 0.00	36.25 1.43 0.00	39.13 1.70 0.00	49.35 2.37 0.00	47.47 2.44 0.00	52.13 2.79 0.00	50.16 2.99 0.00	68.73 4.52 0.00	15.70 4.04 42.05	101.88 4.41 -44.09	167.98 4.22 -113.82	192.89 4.14 -138.67	107.38 3.73 -55.18	8.34 3.37 45.23	51.00 3.12 0.55	28.53 2.44 15.25	38.31 2.00 0.00	36.91 1.95 0.00
SWANROAD_115KV_TB1 355699	26.32 -0.55 0.00	29.25 -1.02 0.32	31.61 -0.57 0.00	28.54 -0.64 -0.78	31.04 -0.50 0.00	36.33 -0.69 -1.68	38.33 -0.35 -1.84	34.17 -0.64 0.00	37.25 -0.18 0.00	46.65 -0.34 0.00	44.46 -0.58 0.00	48.65 -0.69 0.00	45.71 -1.46 0.00	62.51 -1.71 0.00	53.05 -0.67 0.00	52.41 -0.97 0.00	49.41 -0.53 0.00	49.67 -0.41 0.00	48.21 -0.25 0.00	50.30 0.09 0.00	48.64 0.21 0.00	42.02 0.69 0.00	36.51 0.20 0.00	34.66 -0.29 0.00
SYNERGY___BIOGAS 323694	27.59 0.72 0.00	30.78 0.40 0.21	32.99 0.81 0.00	29.95 0.60 -0.95	32.37 0.82 0.00	38.35 0.94 -2.06	40.54 1.42 -2.27	36.01 1.20 0.00	39.25 1.82 0.00	49.28 2.29 0.00	47.03 2.00 0.00	51.42 2.08 0.00	48.69 1.51 0.00	66.58 2.36 0.00	56.25 2.54 0.00	55.49 2.11 0.00	52.23 2.29 0.00	52.45 2.37 0.00	51.06 2.59 0.00	53.25 3.05 0.00	51.41 2.98 0.00	44.27 2.93 0.00	38.32 2.01 0.00	36.38 1.43 0.00
SYRACUSE___ENERGY_ST1 323597	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.20 0.35 -4.38	54.74 0.36 -4.18	53.13 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
SYRACUSE___ENERGY_ST2 323598	26.71 -0.16 0.00	30.30 -0.29 0.00	31.91 -0.27 0.00	28.13 -0.26 0.00	31.31 -0.24 0.00	35.20 -0.14 0.00	36.79 -0.05 0.00	34.78 -0.03 0.00	37.52 0.09 0.00	47.63 0.18 -0.46	48.88 0.32 -3.52	53.79 0.40 -4.05	50.58 0.28 -3.12	72.06 0.52 -7.32	59.78 0.50 -5.57	56.71 0.36 -2.97	54.79 0.43 -4.42	54.43 0.35 -3.99	53.20 0.35 -4.38	54.74 0.36 -4.18	53.13 0.39 -4.32	44.70 0.41 -2.96	38.06 0.23 -1.52	35.53 0.08 -0.50
SYRACUSE___POWER 24017	26.70 -0.17 0.00	30.29 -0.30 0.00	31.90 -0.28 0.00	28.11 -0.29 0.00	31.30 -0.25 0.00	35.20 -0.15 0.00	36.81 -0.04 0.00	34.82 0.01 0.00	37.56 0.13 0.00	47.52 0.23 -0.30	47.69 0.35 -2.31	52.41 0.42 -2.65	49.56 0.34 -2.05	69.73 0.71 -4.80	58.10 0.73 -3.65	56.00 0.67 -1.95	53.54 0.71 -2.90	53.37 0.67 -2.61	51.99 0.66 -2.87	53.60 0.65 -2.74	51.92 0.66 -2.83	43.87 0.60 -1.94	37.61 0.31 -0.99	35.40 0.12 -0.33
TALLMAN___138KV_BK151 55660	28.30 1.43 0.00	31.96 1.37 0.00	33.39 1.21 0.00	29.43 1.04 0.00	32.60 1.05 0.00	36.44 1.10 0.00	37.97 1.14 0.00	36.38 1.57 0.00	39.29 1.86 0.00	49.59 2.60 0.00	47.64 2.61 0.00	52.35 3.01 0.00	50.41 3.24 0.00	69.16 4.94 0.00	4.29 4.49 53.92	83.05 4.92 -24.74	130.23 4.68 -75.62	153.94 4.58 -99.27	90.17 4.21 -37.50	-2.28 3.77 56.25	51.22 3.46 0.67	25.36 2.70 18.68	38.53 2.22 0.00	37.12 2.17 0.00
TEALLAVE_115KV_TB7 355573	26.54 -0.33 0.00	30.10 -0.49 0.00	31.71 -0.47 0.00	27.93 -0.46 0.00	31.12 -0.43 0.00	35.01 -0.33 0.00	36.60 -0.24 0.00	34.61 -0.20 0.00	37.35 -0.08 0.00	47.20 -0.04 -0.25	46.98 0.06 -1.89	51.62 0.11 -2.17	48.89 0.04 -1.68	68.45 0.30 -3.93	57.13 0.43 -2.99	55.33 0.36 -1.59	52.71 0.40 -2.37	52.60 0.37 -2.14	51.20 0.38 -2.35	52.84 0.39 -2.24	51.12 0.37 -2.31	43.27 0.35 -1.59	37.21 0.08 -0.81	35.13 -0.09 -0.27
TELGRAPH_34_KV_EAST 80808	26.93 0.06 0.00	30.00 -0.33 0.27	32.27 0.09 0.00	29.24 -0.03 -0.88	31.68 0.13 0.00	37.36 0.11 -1.91	39.45 0.53 -2.08	35.06 0.25 0.00	38.21 0.77 0.00	47.95 0.96 0.00	45.75 0.72 0.00	50.08 0.74 0.00	47.18 0.01 0.00	64.57 0.35 0.00	54.66 0.95 0.00	53.90 0.52 0.00	50.77 0.83 0.00	51.03 0.94 0.00	49.59 1.13 0.00	51.71 1.51 0.00	49.97 1.54 0.00	43.10 1.76 0.00	37.39 1.08 0.00	35.48 0.53 0.00
TEMPLE___115KV_TB 2 55572	26.56 -0.31 0.00	30.12 -0.47 0.00	31.73 -0.45 0.00	27.96 -0.43 0.00	31.15 -0.40 0.00	35.02 -0.32 0.00	36.62 -0.21 0.00	34.64 -0.17 0.00	37.37 -0.06 0.00	47.24 0.01 -0.25	47.03 0.11 -1.89	51.67 0.16 -2.17	48.94 0.09 -1.67	68.52 0.37 -3.92	57.18 0.48 -2.98	55.39 0.41 -1.59	52.76 0.46 -2.37	52.64 0.42 -2.14	51.24 0.43 -2.35	52.87 0.42 -2.24	51.15 0.41 -2.31	43.31 0.39 -1.58	37.24 0.11 -0.81	35.15 -0.07 -0.27
TIANA___69_KV_BK 1 55817	29.46 2.59 0.00	33.27 2.68 0.00	34.58 2.39 0.00	30.34 1.95 0.00	33.63 2.09 0.00	37.63 2.29 0.00	39.43 2.59 0.00	37.91 3.11 0.00	41.06 3.62 0.00	57.88 5.22 -5.67	72.72 5.38 -22.31	78.64 6.22 -23.09	80.98 6.15 -27.66	88.93 8.79 -15.92	163.80 7.66 -102.42	138.16 7.37 -77.41	209.31 7.08 -152.30	400.02 7.41 -342.52	169.09 6.92 -113.71	139.59 6.56 -82.83	105.47 6.26 -50.79	80.07 4.78 -33.96	40.05 3.73 0.00	47.70 3.90 -8.84
TILDEN___115KV_TB1 80814	26.70 -0.17 0.00	30.29 -0.30 0.00	31.90 -0.28 0.00	28.11 -0.29 0.00	31.30 -0.25 0.00	35.20 -0.15 0.00	36.81 -0.04 0.00	34.82 0.01 0.00	37.56 0.13 0.00	47.52 0.23 -0.30	47.69 0.35 -2.31	52.41 0.42 -2.65	49.56 0.34 -2.05	69.73 0.71 -4.80	58.10 0.73 -3.65	56.00 0.67 -1.95	53.54 0.71 -2.90	53.37 0.67 -2.61	51.99 0.66 -2.87	53.60 0.65 -2.74	51.92 0.66 -2.83	43.87 0.60 -1.94	37.61 0.31 -0.99	35.40 0.12 -0.33
TRIGEN___CC 323695	28.93 2.06 0.00	32.65 2.05 0.00	33.97 1.78 0.00	29.90 1.50 0.00	33.13 1.58 0.00	37.03 1.69 0.00	38.61 1.78 0.00	37.03 2.21 0.00	39.98 2.55 0.00	54.25 3.57 -3.69	70.49 3.61 -21.85	76.49 4.06 -23.09	78.93 4.18 -27.58	80.62 6.18 -10.22	120.41 5.44 -61.26	103.26 5.65 -44.23	126.14 5.42 -70.79	129.36 5.42 -73.85	98.07 5.01 -44.59	117.30 4.64 -62.46	83.55 4.38 -30.74	78.74 3.44 -33.96	39.11 2.79 0.00	46.71 2.92 -8.84

TRINITY__115KV__4 BK 55933	27.71 0.84 0.00	31.48 0.88 0.00	33.04 0.86 0.00	29.17 0.77 0.00	32.35 0.80 0.00	36.16 0.82 0.00	37.55 0.71 0.00	35.67 0.86 0.00	38.24 0.81 0.00	48.04 1.06 0.00	46.09 1.06 0.00	50.45 1.11 0.00	48.51 1.34 0.00	66.19 1.97 0.00	71.86 1.52 -16.62	67.36 1.87 -12.10	71.97 1.69 -20.34	69.85 1.61 -18.15	59.07 1.53 -9.08	66.38 1.46 -14.71	50.07 1.46 -0.18	47.64 1.10 -5.21	37.35 1.04 0.00	36.02 1.07 0.00
UNION__PROCESSING_DRP 323587	27.23 0.36 0.00	30.68 0.08 0.00	32.53 0.35 0.00	29.82 0.25 -1.18	31.92 0.37 0.00	38.42 0.50 -2.58	40.52 0.84 -2.84	35.44 0.63 0.00	38.45 1.02 0.00	48.35 1.37 0.00	46.15 1.12 0.00	50.55 1.22 0.00	47.91 0.74 0.00	65.58 1.37 0.00	55.39 1.67 0.00	54.84 1.46 0.00	51.44 1.51 0.00	51.62 1.53 0.00	50.10 1.64 0.00	52.10 1.90 0.00	50.27 1.84 0.00	43.16 1.83 0.00	37.52 1.21 0.00	35.73 0.78 0.00
UPPER HUDSON__HYD 24058	28.69 1.82 0.00	32.43 1.83 0.00	33.96 1.78 0.00	29.98 1.58 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.78 1.94 0.00	36.91 2.10 0.00	39.69 2.26 0.00	49.97 2.99 0.00	47.59 2.56 0.00	52.10 2.76 0.00	50.08 2.90 0.00	68.04 3.82 0.00	72.72 3.10 -15.91	68.81 3.91 -11.52	73.15 3.88 -19.34	70.98 3.67 -17.22	61.05 3.96 -8.63	68.35 4.07 -14.08	52.54 3.94 -0.18	49.65 3.33 -4.99	38.99 2.68 0.00	37.30 2.35 0.00
UPPER RAQUET__HYD 24056	26.03 -0.84 0.00	29.78 -0.81 0.00	31.33 -0.85 0.00	27.71 -0.68 0.00	30.90 -0.64 0.00	34.77 -0.57 0.00	36.29 -0.55 0.00	34.11 -0.70 0.00	36.50 -0.94 0.00	45.57 -1.50 -0.08	44.01 -1.61 -0.59	48.25 -1.77 -0.67	45.94 -1.76 -0.52	62.73 -2.71 -1.22	52.14 -2.51 -0.93	50.42 -3.46 -0.50	47.15 -3.52 -0.74	47.41 -3.34 -0.67	46.22 -2.97 -0.73	48.19 -2.70 -0.70	46.59 -2.56 -0.72	39.76 -2.06 -0.49	35.12 -1.45 -0.25	33.62 -1.42 -0.08
VALLEY44_115KV_TB2 355964	26.87 0.00 0.00	30.21 -0.22 0.16	32.24 0.06 0.00	29.43 -0.10 -1.14	31.58 0.03 0.00	37.89 0.07 -2.48	40.12 0.50 -2.79	35.18 0.37 0.00	38.22 0.78 0.00	48.04 1.05 0.00	45.82 0.79 0.00	49.92 0.58 0.00	47.20 0.03 0.00	65.09 0.88 0.00	55.20 1.48 0.00	54.54 1.16 0.00	51.20 1.27 0.00	51.29 1.20 0.00	49.59 1.13 0.00	51.46 1.26 0.00	49.61 1.18 0.00	42.72 1.39 0.00	36.98 0.67 0.00	35.29 0.34 0.00
VALLEY__115KV_TB 1-4 80826	27.19 0.33 0.00	30.90 0.31 0.00	32.44 0.26 0.00	28.57 0.17 0.00	31.79 0.25 0.00	35.51 0.17 0.00	36.91 0.08 0.00	35.11 0.30 0.00	37.60 0.17 0.00	47.15 0.16 0.00	45.46 0.43 0.00	49.84 0.50 0.00	48.07 0.90 0.00	65.72 1.50 0.00	54.53 0.81 0.00	54.40 1.02 0.00	50.65 0.72 0.00	50.59 0.50 0.00	49.24 0.78 0.00	51.26 1.06 0.00	49.58 1.15 0.00	42.22 0.89 0.00	36.92 0.61 0.00	35.59 0.64 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	27.98 1.11 0.00	31.80 1.20 0.00	33.43 1.25 0.00	29.07 1.06 0.38	32.73 1.19 0.00	35.77 1.34 0.91	37.24 1.41 1.00	36.32 1.51 0.00	39.13 1.70 0.00	49.28 2.21 -0.09	47.81 2.13 -0.65	52.39 2.30 -0.75	50.07 2.32 -0.58	69.01 3.43 -1.36	57.81 3.06 -1.03	57.07 3.13 -0.55	53.74 2.98 -0.82	53.73 2.91 -0.74	52.08 2.80 -0.81	53.81 2.84 -0.78	51.97 2.75 -0.80	44.20 2.32 -0.55	38.43 1.84 -0.28	36.72 1.67 -0.09
VISCHER__FERRY HYD 24020	28.21 1.35 0.00	32.04 1.44 0.00	33.65 1.47 0.00	29.70 1.30 0.00	32.95 1.40 0.00	36.80 1.46 0.00	38.24 1.40 0.00	36.33 1.52 0.00	38.99 1.56 0.00	49.03 2.05 0.00	47.05 2.02 0.00	51.47 2.13 0.00	49.48 2.31 0.00	67.44 3.22 0.00	73.30 2.49 -17.09	68.66 2.94 -12.34	73.30 2.69 -20.68	71.11 2.63 -18.40	60.27 2.58 -9.23	67.95 2.64 -15.11	51.22 2.60 -0.19	48.75 2.05 -5.36	38.11 1.80 0.00	36.68 1.72 0.00
V_A_10_SYNC_DSASP 323832	26.66 -0.21 0.00	29.79 -0.59 0.21	31.96 -0.21 0.00	28.90 -0.24 -0.75	31.39 -0.15 0.00	36.79 -0.15 -1.60	38.76 0.17 -1.75	34.69 -0.12 0.00	37.71 0.28 0.00	47.35 0.36 0.00	45.13 0.09 0.00	49.40 0.06 0.00	46.58 -0.60 0.00	63.77 -0.45 0.00	53.99 0.27 0.00	53.35 -0.03 0.00	50.18 0.25 0.00	50.38 0.29 0.00	48.88 0.42 0.00	50.89 0.69 0.00	49.15 0.72 0.00	42.38 1.05 0.00	36.82 0.51 0.00	35.07 0.12 0.00
V_CMM_10_SYNC_DSASP 323787	26.53 -0.34 0.00	30.35 -0.24 0.00	31.95 -0.23 0.00	28.23 -0.16 0.00	31.38 -0.17 0.00	35.16 -0.18 0.00	36.64 -0.21 0.00	34.43 -0.38 0.00	36.91 -0.53 0.00	46.13 -0.85 0.00	44.11 -0.92 0.00	48.32 -1.02 0.00	46.03 -1.14 0.00	62.31 -1.91 0.00	51.91 -1.81 0.00	51.18 -2.20 0.00	47.79 -2.14 0.00	48.04 -2.05 0.00	46.56 -1.91 0.00	48.40 -1.80 0.00	46.64 -1.78 0.00	39.87 -1.46 0.00	35.27 -1.04 0.00	34.02 -0.93 0.00
V_CMP_10_SYNC_DSASP 323788	27.01 0.14 0.00	31.07 0.47 0.00	32.67 0.49 0.00	28.89 0.49 0.00	32.11 0.56 0.00	36.04 0.70 0.00	37.38 0.54 0.00	35.09 0.28 0.00	37.42 -0.02 0.00	46.29 -0.70 0.00	43.95 -1.08 0.00	47.95 -1.39 0.00	45.74 -1.43 0.00	61.74 -2.48 0.00	51.12 -2.60 0.00	50.54 -2.84 0.00	47.22 -2.72 0.00	47.40 -2.69 0.00	46.02 -2.44 0.00	47.90 -2.30 0.00	46.00 -2.43 0.00	39.04 -2.29 0.00	34.49 -1.82 0.00	33.19 -1.76 0.00
V_E_10_SYNC_DSASP 323830	28.46 1.59 0.00	32.37 1.71 -0.07	33.96 1.78 0.00	29.93 1.54 0.00	33.38 1.83 0.00	36.52 2.01 0.84	38.24 2.33 0.92	37.21 2.39 0.00	40.33 2.90 0.00	50.67 3.50 -0.19	50.47 4.01 -1.43	55.60 4.63 -1.64	52.87 4.43 -1.27	74.16 6.97 -2.97	62.15 6.17 -2.26	60.12 5.53 -1.21	57.45 5.72 -1.79	57.42 5.72 -1.62	55.62 5.38 -1.78	57.67 5.78 -1.70	55.90 5.73 -1.75	47.35 4.82 -1.20	40.52 3.59 -0.62	38.31 3.16 -0.20
V_F_30_NSYNC__DSASP 323816	28.68 1.81 0.00	32.52 1.92 0.00	34.11 1.93 0.00	30.10 1.71 0.00	33.40 1.85 0.00	37.36 2.02 0.00	38.90 2.06 0.00	36.97 2.17 0.00	39.75 2.32 0.00	50.01 3.03 0.00	47.89 2.86 0.00	52.45 3.12 0.00	50.39 3.21 0.00	68.62 4.41 0.00	73.40 3.60 -16.08	69.15 4.13 -11.64	73.36 3.89 -19.53	71.26 3.78 -17.39	60.96 3.78 -8.72	68.36 3.92 -14.23	52.39 3.78 -0.18	49.48 3.10 -5.04	38.91 2.60 0.00	37.34 2.39 0.00
V_F_30_SYNC_DSASP 323786	27.83 0.96 0.00	31.61 1.01 0.00	33.17 0.99 0.00	29.29 0.89 0.00	32.48 0.94 0.00	36.32 0.98 0.00	37.74 0.90 0.00	35.85 1.04 0.00	38.46 1.03 0.00	48.33 1.34 0.00	46.40 1.37 0.00	50.83 1.50 0.00	48.87 1.70 0.00	66.71 2.48 0.00	72.16 1.95 -16.49	67.66 2.29 -11.99	72.14 2.07 -20.13	70.01 1.97 -17.95	59.32 1.87 -8.99	66.61 1.81 -14.59	50.39 1.78 -0.18	47.87 1.37 -5.17	37.56 1.25 0.00	36.20 1.25 0.00
V_XM_10_SYNC_DSASP 323789	27.01 0.14 0.00	31.07 0.47 0.00	32.67 0.49 0.00	28.89 0.49 0.00	32.11 0.56 0.00	36.04 0.70 0.00	37.38 0.54 0.00	35.09 0.28 0.00	37.42 -0.02 0.00	46.29 -0.70 0.00	43.95 -1.08 0.00	47.95 -1.39 0.00	45.74 -1.43 0.00	61.74 -2.48 0.00	51.12 -2.60 0.00	50.54 -2.84 0.00	47.22 -2.72 0.00	47.40 -2.69 0.00	46.02 -2.44 0.00	47.90 -2.30 0.00	46.00 -2.43 0.00	39.04 -2.29 0.00	34.49 -1.82 0.00	33.19 -1.76 0.00

W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	28.40 1.53 0.00	32.08 1.49 0.00	33.51 1.33 0.00	29.53 1.14 0.00	32.71 1.17 0.00	36.58 1.24 0.00	38.11 1.27 0.00	36.50 1.69 0.00	39.44 2.01 0.00	49.79 2.81 0.00	47.86 2.83 0.00	52.59 3.25 0.00	50.65 3.48 0.00	69.50 5.28 0.00	1.50 4.75 56.97	76.18 5.18 -17.62	115.91 4.91 -61.05	138.74 4.81 -83.84	83.62 4.44 -30.71	-4.23 4.00 58.43	51.41 3.68 0.70	24.73 2.89 19.50	38.68 2.37 0.00	37.26 2.31 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	28.68 1.81 0.00	32.36 1.76 0.00	33.76 1.58 0.00	29.77 1.38 0.00	32.97 1.42 0.00	36.82 1.48 0.00	38.37 1.53 0.00	36.77 1.96 0.00	39.72 2.29 0.00	50.10 3.11 0.00	48.11 3.08 0.00	52.89 3.55 0.00	50.94 3.77 0.00	69.94 5.72 0.00	116.55 5.07 -57.75	97.63 5.45 -38.80	118.61 5.18 -63.49	110.16 5.05 -55.02	81.29 4.67 -28.16	106.93 4.29 -52.43	52.97 3.90 -0.64	62.61 3.09 -18.19	38.93 2.62 0.00	37.55 2.60 0.00
W50THST__13_KV_LOAD 356117	28.84 1.97 0.00	32.53 1.93 0.00	33.93 1.75 0.00	29.93 1.53 0.00	33.14 1.60 0.00	37.04 1.70 0.00	38.62 1.78 0.00	37.04 2.23 0.00	40.02 2.59 0.00	50.51 3.52 0.00	48.55 3.52 0.00	53.37 4.04 0.00	51.41 4.24 0.00	70.61 6.39 0.00	117.13 5.66 -57.75	98.20 6.01 -38.80	119.12 5.69 -63.49	110.67 5.56 -55.02	81.76 5.14 -28.16	107.38 4.74 -52.43	53.39 4.32 -0.64	62.96 3.43 -18.19	39.19 2.88 0.00	37.81 2.85 0.00
WADING RIVER_IC_1 23522	28.95 2.08 0.00	32.72 2.12 0.00	33.99 1.81 0.00	29.84 1.45 0.00	33.07 1.53 0.00	37.00 1.65 0.00	38.74 1.90 0.00	37.22 2.41 0.00	40.24 2.81 0.00	56.79 4.13 -5.67	71.59 4.25 -22.31	77.32 4.90 -23.09	79.78 4.95 -27.66	87.21 7.08 -15.91	162.12 6.19 -102.21	135.95 5.85 -76.72	206.31 5.70 -150.67	397.22 6.06 -341.08	166.93 5.63 -112.83	138.18 5.23 -82.75	104.20 5.05 -50.73	79.07 3.78 -33.96	39.22 2.91 0.00	46.92 3.12 -8.84
WADING RIVER_IC_2 23547	28.95 2.08 0.00	32.72 2.12 0.00	33.99 1.81 0.00	29.84 1.45 0.00	33.07 1.53 0.00	37.00 1.65 0.00	38.74 1.90 0.00	37.22 2.41 0.00	40.24 2.81 0.00	56.79 4.13 -5.67	71.59 4.25 -22.31	77.32 4.90 -23.09	79.78 4.95 -27.66	87.21 7.08 -15.91	162.12 6.19 -102.21	135.95 5.85 -76.72	206.31 5.70 -150.67	397.22 6.06 -341.08	166.93 5.63 -112.83	138.18 5.23 -82.75	104.20 5.05 -50.73	79.07 3.78 -33.96	39.22 2.91 0.00	46.92 3.12 -8.84
WADING RIVER_IC_3 23601	28.95 2.08 0.00	32.72 2.12 0.00	33.99 1.81 0.00	29.84 1.45 0.00	33.07 1.53 0.00	37.00 1.65 0.00	38.74 1.90 0.00	37.22 2.41 0.00	40.24 2.81 0.00	56.79 4.13 -5.67	71.59 4.25 -22.31	77.32 4.90 -23.09	79.78 4.95 -27.66	87.21 7.08 -15.91	162.12 6.19 -102.21	135.95 5.85 -76.72	206.31 5.70 -150.67	397.22 6.06 -341.08	166.93 5.63 -112.83	138.18 5.23 -82.75	104.20 5.05 -50.73	79.07 3.78 -33.96	39.22 2.91 0.00	46.92 3.12 -8.84
WALDENNY_I2_KV_BK2 80841	26.95 0.08 0.00	29.91 -0.27 0.41	32.32 0.14 0.00	29.15 0.00 -0.76	31.71 0.16 0.00	37.16 0.19 -1.63	39.25 0.64 -1.77	35.17 0.36 0.00	38.37 0.94 0.00	48.21 1.23 0.00	46.09 1.06 0.00	50.48 1.14 0.00	47.49 0.32 0.00	65.17 0.95 0.00	55.23 1.51 0.00	54.46 1.08 0.00	51.42 1.49 0.00	51.61 1.52 0.00	50.01 1.55 0.00	52.12 1.92 0.00	50.38 1.95 0.00	43.43 2.10 0.00	37.60 1.29 0.00	35.71 0.75 0.00
WALDEN__HYDRO 24148	28.54 1.67 0.00	32.25 1.65 0.00	33.72 1.54 0.00	29.71 1.31 0.00	32.91 1.37 0.00	36.82 1.47 0.00	38.38 1.55 0.00	36.72 1.91 0.00	39.66 2.22 0.00	50.05 3.07 0.00	48.09 3.06 0.00	52.58 3.24 0.00	50.68 3.51 0.00	69.38 5.16 0.00	47.24 4.63 11.11	67.18 5.06 -8.73	78.62 5.06 -23.62	84.63 5.11 -29.43	64.54 4.54 -11.53	42.78 4.24 11.66	52.23 3.95 0.14	40.53 3.15 3.95	38.88 2.57 0.00	37.41 2.46 0.00
WARRENSBURG____ 23737	28.69 1.82 0.00	32.43 1.83 0.00	33.96 1.78 0.00	29.98 1.58 0.00	33.26 1.71 0.00	37.18 1.84 0.00	38.78 1.94 0.00	36.91 2.10 0.00	39.69 2.26 0.00	49.97 2.99 0.00	47.59 2.56 0.00	52.10 2.76 0.00	50.08 2.90 0.00	68.04 3.82 0.00	72.72 3.10 -15.91	68.81 3.91 -11.52	73.15 3.88 -19.34	70.98 3.67 -17.22	61.05 3.96 -8.63	68.35 4.07 -14.08	52.54 3.94 -0.18	49.65 3.33 -4.99	38.99 2.68 0.00	37.30 2.35 0.00
WATERSIDE____6 8 9 23538	28.70 1.83 0.00	32.36 1.76 0.00	33.76 1.57 0.00	29.78 1.39 0.00	32.95 1.41 0.00	36.78 1.44 0.00	38.29 1.45 0.00	36.67 1.86 0.00	39.59 2.16 0.00	49.82 2.83 0.00	47.77 2.74 0.00	52.48 3.16 0.01	46.48 3.46 4.15	69.42 5.21 0.00	116.15 4.69 -57.74	97.25 5.07 -38.80	118.28 4.87 -63.48	109.82 4.72 -55.02	80.94 4.33 -28.15	106.56 3.94 -52.42	52.31 3.63 -0.25	62.13 2.91 -17.88	28.23 2.49 10.57	37.47 2.52 0.00
WATKINRD_115KV_LN8_ILLION 55919	27.15 0.28 0.00	30.85 0.26 0.00	32.41 0.23 0.00	28.57 0.18 0.00	31.74 0.20 0.00	35.49 0.14 0.00	36.92 0.08 0.00	35.04 0.23 0.00	37.63 0.20 0.00	47.27 0.28 0.00	45.48 0.45 0.00	49.84 0.50 0.00	47.86 0.69 0.00	65.29 1.07 0.00	54.42 0.70 0.00	54.24 0.85 0.00	50.60 0.66 0.00	50.66 0.58 0.00	49.15 0.69 0.00	51.03 0.83 0.00	49.33 0.91 0.00	42.03 0.70 0.00	36.79 0.48 0.00	35.41 0.46 0.00
WATSON__69_KV_BK 1 55734	29.59 2.72 0.00	33.40 2.81 0.00	34.71 2.53 0.00	30.50 2.11 0.00	33.81 2.26 0.00	37.81 2.46 0.00	39.57 2.73 0.00	38.03 3.22 0.00	41.14 3.70 0.00	56.57 5.18 -4.40	72.32 5.27 -22.02	78.38 5.96 -23.09	80.73 5.94 -27.62	85.62 8.34 -13.07	143.04 7.25 -82.07	122.46 7.05 -62.03	171.08 6.75 -114.40	266.94 6.93 -209.93	135.72 6.46 -80.80	129.01 6.10 -72.71	95.15 5.93 -40.79	79.93 4.64 -33.96	40.04 3.73 0.00	47.71 3.91 -8.84
WDELAWARE__HYD 323627	28.06 1.19 0.00	31.74 1.14 0.00	33.17 0.99 0.00	29.21 0.81 0.00	32.38 0.83 0.00	36.23 0.89 0.00	37.86 1.02 0.00	36.80 1.98 0.00	39.76 2.33 0.00	50.25 3.26 0.00	48.62 3.59 0.00	53.40 4.06 0.00	51.15 3.98 0.00	68.55 4.33 0.00	47.56 4.00 10.15	54.82 4.35 2.91	50.63 3.20 2.50	53.31 3.23 0.00	50.46 2.85 0.85	44.64 2.42 7.98	50.61 2.29 0.11	40.64 2.62 3.31	38.35 2.05 0.00	36.90 1.95 0.00
WEST BABYLON__IC 23714	29.49 2.62 0.00	33.27 2.68 0.00	34.59 2.41 0.00	30.40 2.01 0.00	33.69 2.14 0.00	37.67 2.33 0.00	39.39 2.55 0.00	37.86 3.05 0.00	40.94 3.50 0.00	54.45 4.87 -2.59	71.57 4.94 -21.60	77.98 5.56 -23.09	80.35 5.59 -27.59	83.00 7.88 -10.90	126.65 6.84 -66.09	105.71 6.68 -45.65	130.98 6.42 -74.62	158.75 6.57 -102.09	104.69 6.10 -50.12	120.65 5.76 -64.69	87.06 5.57 -33.06	79.67 4.38 -33.96	39.85 3.54 0.00	47.53 3.74 -8.84
WEST CANADA__HYD 24049	26.98 0.11 0.00	30.71 0.11 0.00	32.30 0.12 0.00	28.50 0.10 0.00	31.66 0.11 0.00	35.41 0.07 0.00	36.87 0.04 0.00	34.88 0.07 0.00	37.51 0.07 0.00	47.08 0.09 0.00	45.15 0.12 0.00	49.49 0.15 0.00	47.38 0.20 0.00	64.60 0.38 0.00	54.02 0.30 0.00	53.71 0.33 0.00	50.26 0.32 0.00	50.39 0.30 0.00	48.76 0.29 0.00	50.50 0.30 0.00	48.76 0.33 0.00	41.62 0.29 0.00	36.50 0.19 0.00	35.13 0.17 0.00



WESTERN_NY_WIND 24143	27.55 0.68 0.00	30.72 0.36 0.23	32.94 0.75 0.00	29.89 0.56 -0.93	32.32 0.78 0.00	38.25 0.89 -2.01	40.43 1.37 -2.22	35.95 1.14 0.00	39.19 1.76 0.00	49.20 2.21 0.00	46.95 1.92 0.00	51.32 1.98 0.00	48.59 1.42 0.00	66.43 2.21 0.00	56.14 2.42 0.00	55.38 1.99 0.00	52.13 2.20 0.00	52.37 2.28 0.00	50.97 2.50 0.00	53.17 2.97 0.00	51.32 2.89 0.00	44.20 2.86 0.00	38.26 1.96 0.00	36.33 1.38 0.00
WESTOVER___LESR 323668	27.07 0.20 0.00	30.79 0.19 0.00	32.44 0.26 0.00	27.62 0.14 0.92	31.76 0.21 0.00	33.48 0.30 2.16	34.92 0.46 2.37	35.33 0.53 0.00	38.20 0.77 0.00	48.18 1.02 -0.17	47.44 1.08 -1.32	52.03 1.17 -1.52	49.43 1.08 -1.17	69.00 2.03 -2.75	57.75 1.94 -2.09	56.38 1.88 -1.12	53.45 1.86 -1.66	53.28 1.70 -1.50	51.70 1.59 -1.65	53.37 1.60 -1.57	51.58 1.53 -1.62	43.85 1.41 -1.11	37.74 0.86 -0.57	35.77 0.64 -0.19
WETHRSFD_WT_PWR 323626	26.23 -0.64 0.00	28.12 -1.03 1.44	31.38 -0.80 0.00	13.40 -0.91 14.08	30.72 -0.83 0.00	2.20 -0.97 32.18	0.72 -0.57 35.55	34.19 -0.63 0.00	37.32 -0.11 0.00	47.13 0.14 0.00	45.31 0.28 0.00	49.54 0.20 0.00	46.41 -0.76 0.00	63.79 -0.43 0.00	53.95 0.23 0.00	53.21 -0.18 0.00	50.48 0.54 0.00	50.66 0.57 0.00	49.21 0.75 0.00	51.41 1.21 0.00	49.83 1.40 0.00	42.96 1.62 0.00	37.19 0.88 0.00	35.25 0.30 0.00
WHAVSTOR_138KV_BK127 55557	28.25 1.38 0.00	31.91 1.32 0.00	33.34 1.16 0.00	29.39 0.99 0.00	32.56 1.01 0.00	36.40 1.05 0.00	37.91 1.08 0.00	36.31 1.50 0.00	39.21 1.78 0.00	49.48 2.49 0.00	47.54 2.51 0.00	52.22 2.88 0.00	50.28 3.11 0.00	68.97 4.75 0.00	0.46 4.30 57.55	74.59 4.73 -16.47	113.15 4.49 -58.73	135.88 4.39 -81.41	82.13 4.03 -29.63	-5.06 3.60 58.86	51.04 3.32 0.70	24.26 2.58 19.66	38.43 2.12 0.00	37.05 2.10 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	28.25 1.38 0.00	31.91 1.32 0.00	33.34 1.16 0.00	29.39 0.99 0.00	32.56 1.01 0.00	36.40 1.05 0.00	37.91 1.08 0.00	36.31 1.50 0.00	39.21 1.78 0.00	49.48 2.49 0.00	47.54 2.51 0.00	52.22 2.88 0.00	50.28 3.11 0.00	68.97 4.75 0.00	0.46 4.30 57.55	74.59 4.73 -16.47	113.15 4.49 -58.73	135.88 4.39 -81.41	82.13 4.03 -29.63	-5.06 3.60 58.86	51.04 3.32 0.70	24.26 2.58 19.66	38.43 2.12 0.00	37.05 2.10 0.00
WHITEHAL_115KV_TB1 80871	29.77 2.90 0.00	33.40 2.80 0.00	34.84 2.66 0.00	30.81 2.42 0.00	34.16 2.61 0.00	37.98 2.64 0.00	39.71 2.88 0.00	37.80 2.99 0.00	40.60 3.17 0.00	51.24 4.26 0.00	48.98 3.94 0.00	53.30 3.97 0.00	51.60 4.43 0.00	70.33 6.11 0.00	74.39 4.70 -15.98	71.25 6.30 -11.57	75.68 6.32 -19.42	73.39 6.01 -17.29	63.32 6.19 -8.66	70.51 6.16 -14.15	54.48 5.88 -0.18	51.11 4.77 -5.01	40.16 3.85 0.00	38.54 3.58 0.00
WHITEPLN_13_KV_LOAD 356215	28.71 1.85 0.00	32.43 1.84 0.00	33.86 1.68 0.00	29.84 1.45 0.00	33.05 1.50 0.00	36.95 1.60 0.00	38.52 1.68 0.00	36.89 2.08 0.00	39.86 2.43 0.00	50.31 3.32 0.00	48.58 3.55 0.00	53.57 4.23 0.00	51.62 4.45 0.00	70.80 6.59 0.00	118.50 5.61 -59.17	98.93 5.77 -39.77	120.50 5.48 -65.08	111.88 5.38 -56.41	82.30 4.97 -28.86	109.10 4.61 -54.30	53.32 4.23 -0.66	63.30 3.33 -18.64	39.07 2.76 0.00	37.65 2.70 0.00
WM_FLOYD_69_KV_BK2 356380	29.18 2.31 0.00	32.99 2.39 0.00	34.28 2.10 0.00	30.10 1.70 0.00	33.35 1.81 0.00	37.30 1.96 0.00	39.06 2.22 0.00	37.52 2.71 0.00	40.55 3.12 0.00	57.16 4.50 -5.67	71.93 4.59 -22.31	77.68 5.26 -23.09	80.12 5.28 -27.66	87.74 7.52 -16.00	163.80 6.52 -103.56	140.53 6.33 -80.82	216.42 6.09 -160.39	406.38 6.40 -349.90	172.16 5.97 -117.73	139.07 5.59 -83.29	104.94 5.38 -51.14	79.39 4.10 -33.96	39.51 3.20 0.00	47.18 3.39 -8.84
WOODARD___115KV_TB2 355635	26.48 -0.39 0.00	30.04 -0.55 0.00	31.65 -0.53 0.00	27.89 -0.51 0.00	31.06 -0.48 0.00	34.94 -0.40 0.00	36.51 -0.33 0.00	34.53 -0.28 0.00	37.23 -0.20 0.00	47.11 -0.19 -0.31	47.30 -0.09 -2.36	52.00 -0.05 -2.71	49.17 -0.10 -2.09	69.18 0.06 -4.91	57.66 0.22 -3.73	55.52 0.14 -1.99	53.11 0.21 -2.96	52.93 0.17 -2.67	51.60 0.21 -2.94	53.20 0.20 -2.80	51.51 0.19 -2.89	43.52 0.21 -1.98	37.31 -0.02 -1.02	35.10 -0.19 -0.33
YORK___WARBASSE 23770	28.81 1.94 0.00	32.49 1.89 0.00	33.88 1.70 0.00	29.89 1.49 0.00	33.07 1.52 0.00	36.91 1.57 0.00	38.46 1.62 0.00	36.85 2.04 0.00	39.77 2.34 0.00	50.07 3.08 0.00	47.99 2.96 0.00	52.77 3.42 -0.01	55.77 3.75 -4.85	69.67 5.46 0.00	116.26 4.80 -57.74	97.24 5.06 -38.80	118.34 4.93 -63.48	109.92 4.82 -55.02	81.05 4.44 -28.15	106.72 4.10 -52.42	55.19 3.81 -2.95	64.44 3.17 -19.94	100.39 2.72 -61.36	37.70 2.75 0.00