

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$		--- Marginal Cost of Losses										--- Marginal Cost of Congestion										09/23/2025			
Generator Data																									
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		30.28	29.70	26.19	24.87	25.59	31.34	62.73	58.90	47.65	45.80	41.27	40.55	41.28	48.15	48.78	43.73	45.12	49.57	97.88	68.41	52.57	61.20	60.82	42.98
24138		1.19	1.08	0.89	0.79	0.81	0.99	1.79	1.81	1.65	2.18	2.18	2.26	2.69	3.27	3.41	3.09	3.15	3.49	6.91	4.48	2.61	2.40	2.04	1.29
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1		30.32	29.74	26.23	24.91	25.63	31.39	62.80	58.98	47.70	45.81	41.26	40.55	41.27	48.14	48.77	43.72	45.12	49.58	97.91	68.50	52.69	61.35	60.96	43.12
24260		1.22	1.12	0.93	0.83	0.85	1.03	1.87	1.89	1.71	2.19	2.16	2.26	2.67	3.26	3.40	3.08	3.14	3.51	6.93	4.58	2.72	2.55	2.18	1.42
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2		30.32	29.74	26.23	24.91	25.63	31.39	62.80	58.98	47.70	45.81	41.26	40.55	41.27	48.14	48.77	43.72	45.12	49.58	97.91	68.50	52.69	61.35	60.96	43.12
24261		1.22	1.12	0.93	0.83	0.85	1.03	1.87	1.89	1.71	2.19	2.16	2.26	2.67	3.26	3.40	3.08	3.14	3.51	6.93	4.58	2.72	2.55	2.18	1.42
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS		30.23	29.79	26.36	25.04	25.72	31.39	63.04	58.92	47.28	45.16	40.49	39.15	40.11	46.95	47.17	42.15	43.66	48.11	95.22	67.10	52.28	61.01	60.40	42.90
24011		1.13	1.17	1.05	0.96	0.94	1.03	2.10	1.84	1.28	1.54	1.40	1.33	1.60	2.06	1.80	1.51	1.68	2.03	4.25	3.18	2.32	2.21	1.62	1.21
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY		30.45	30.03	26.57	25.24	25.89	31.60	63.43	59.26	47.50	45.38	40.68	39.39	40.42	47.34	47.47	42.31	43.86	48.35	95.80	67.57	52.72	61.44	60.67	43.11
23798		1.35	1.41	1.27	1.17	1.11	1.25	2.49	2.18	1.50	1.76	1.59	1.57	1.91	2.45	2.10	1.66	1.88	2.27	4.83	3.64	2.76	2.65	1.89	1.42
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS		30.23	29.79	26.36	25.04	25.72	31.39	63.04	58.92	47.28	45.16	40.49	39.15	40.11	46.95	47.17	42.15	43.66	48.11	95.22	67.10	52.28	61.01	60.40	42.90
24028		1.13	1.17	1.05	0.96	0.94	1.03	2.10	1.84	1.28	1.54	1.40	1.33	1.60	2.06	1.80	1.51	1.68	2.03	4.25	3.18	2.32	2.21	1.62	1.21
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM		29.69	29.28	25.92	24.63	25.34	30.91	61.93	57.76	46.30	44.12	39.59	38.08	39.38	46.19	46.28	41.41	42.78	46.91	92.49	65.20	50.93	59.32	58.99	42.10
23527		0.59	0.65	0.61	0.55	0.56	0.56	0.99	0.67	0.30	0.50	0.50	0.57	0.92	1.30	0.92	0.76	0.81	0.83	1.53	1.27	0.96	0.52	0.21	0.40
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP		28.76	28.33	25.05	23.81	24.51	29.94	59.95	56.01	45.10	42.88	38.46	37.28	38.10	44.50	44.90	40.27	41.58	45.68	89.87	63.23	49.17	57.41	57.22	40.71
24190		-0.33	-0.29	-0.25	-0.27	-0.27	-0.41	-0.99	-1.07	-0.90	-0.74	-0.63	-0.60	-0.42	-0.38	-0.47	-0.37	-0.39	-0.40	-1.10	-0.70	-0.79	-1.39	-1.56	-0.98
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK		29.58	29.07	25.71	24.46	25.19	30.87	61.98	58.04	46.85	41.23	38.30	38.18	38.49	44.71	45.13	40.38	41.61	45.59	89.96	63.42	50.23	59.59	59.86	42.53
355683		0.49	0.44	0.40	0.38	0.41	0.51	1.04	0.96	0.86	0.34	0.21	0.12	-0.06	-0.18	-0.24	-0.27	-0.37	-0.49	-1.01	-0.50	0.26	0.80	1.08	0.84
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	1.01	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
ALBANY_1_SOLAR		29.48	29.03	25.66	24.40	25.09	30.68	61.48	57.31	45.96	43.68	39.22	37.99	38.21	44.38	44.78	40.28	41.70	45.75	90.19	63.44	49.34	57.70	57.58	40.95
323833		0.38	0.41	0.35	0.32	0.31	0.32	0.54	0.22	-0.03	0.06	0.13	0.05	-0.32	-0.51	-0.58	-0.36	-0.28	-0.33	-0.78	-0.49	-0.62	-1.09	-1.20	-0.75
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR		29.47	29.02	25.65	24.39	25.08	30.67	61.47	57.27	45.96	43.67	39.21	37.98	38.19	44.36	44.77	40.27	41.67	45.74	90.16	63.41	49.32	57.68	57.56	40.93
323834		0.37	0.40	0.35	0.31	0.30	0.32	0.53	0.19	-0.04	0.05	0.12	0.04	-0.34	-0.53	-0.60	-0.37	-0.30	-0.34	-0.81	-0.52	-0.64	-1.12	-1.22	-0.77
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1		28.76	28.33	25.05	23.81	24.51	29.94	59.95	56.01	45.10	42.88	38.46	37.28	38.10	44.50	44.90	40.27	41.58	45.68	89.87	63.23	49.17	57.41	57.22	40.71
23571		-0.33	-0.29	-0.25	-0.27	-0.27	-0.41	-0.99	-1.07	-0.90	-0.74	-0.63	-0.60	-0.42	-0.38	-0.47	-0.37	-0.39	-0.40	-1.10	-0.70	-0.79	-1.39	-1.56	-0.98
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	28.76 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.90 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.23 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.56 0.00	40.71 -0.98 0.00
ALBANY___3 23573	28.76 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.90 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.23 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.56 0.00	40.71 -0.98 0.00
ALBANY___4 23574	28.76 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.90 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.23 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.56 0.00	40.71 -0.98 0.00
ALBANY___LFGE 323615	29.08 -0.01 0.00	28.63 0.01 0.00	25.30 0.01 0.00	24.06 -0.02 0.00	24.77 -0.02 0.00	30.27 -0.09 0.00	60.64 -0.29 0.00	56.68 -0.40 0.00	45.65 -0.35 0.00	43.45 -0.17 0.00	38.98 -0.11 0.00	37.76 -0.10 0.20	38.62 0.10 0.03	45.10 0.21 0.00	45.50 0.13 0.00	40.82 0.17 0.00	42.16 0.19 0.00	46.31 0.23 0.00	91.15 0.18 0.00	64.11 0.19 0.00	49.83 -0.13 0.00	58.19 -0.60 0.00	57.97 -0.81 0.00	41.25 -0.45 0.00
ALCOA_PA_115KV_PL-6C 55860	29.78 0.68 0.00	29.26 0.64 0.00	25.88 0.58 0.00	24.62 0.54 0.00	25.37 0.59 0.00	31.10 0.75 0.00	62.49 1.55 0.00	58.51 1.43 0.00	47.24 1.25 0.00	75.22 0.72 -30.88	49.78 0.53 -10.16	38.45 0.40 0.00	38.72 0.17 0.00	44.94 0.06 0.00	45.36 0.00 0.00	40.56 -0.09 0.00	41.75 -0.23 0.00	45.64 -0.44 0.00	90.25 -0.72 0.00	63.65 -0.27 0.00	50.53 0.57 0.00	60.01 1.22 0.00	60.32 1.54 0.00	42.86 1.17 0.00
ALCOA_RYNLDS___DRP 24188	29.78 0.68 0.00	29.26 0.64 0.00	25.88 0.58 0.00	24.62 0.54 0.00	25.37 0.59 0.00	31.10 0.75 0.00	62.49 1.55 0.00	58.51 1.43 0.00	47.24 1.25 0.00	75.22 0.72 -30.88	49.78 0.53 -10.16	38.45 0.40 0.00	38.72 0.17 0.00	44.94 0.06 0.00	45.36 0.00 0.00	40.56 -0.09 0.00	41.75 -0.23 0.00	45.64 -0.44 0.00	90.25 -0.72 0.00	63.65 -0.27 0.00	50.53 0.57 0.00	60.01 1.22 0.00	60.32 1.54 0.00	42.86 1.17 0.00
ALCOA___DSASP 323711	29.78 0.68 0.00	29.26 0.64 0.00	25.88 0.58 0.00	24.62 0.54 0.00	25.37 0.59 0.00	31.10 0.75 0.00	62.49 1.55 0.00	58.51 1.43 0.00	47.24 1.25 0.00	75.22 0.72 -30.88	49.78 0.53 -10.16	38.45 0.40 0.00	38.72 0.17 0.00	44.94 0.06 0.00	45.36 0.00 0.00	40.56 -0.09 0.00	41.75 -0.23 0.00	45.64 -0.44 0.00	90.29 -0.68 0.00	63.66 -0.27 0.00	50.53 0.57 0.00	60.02 1.23 0.00	60.32 1.54 0.00	42.86 1.17 0.00
ALLEGHENY___COGEN 23514	31.00 1.30 -0.61	30.15 1.17 -0.36	26.42 1.04 -0.08	25.32 1.23 -0.01	26.25 1.31 -0.17	33.14 1.87 -0.92	68.70 3.95 -3.81	66.05 3.83 -5.14	53.39 3.41 -3.98	51.70 3.48 -4.60	44.32 2.89 -2.33	43.02 3.06 -1.90	42.42 2.44 -1.43	49.03 2.26 -1.88	50.12 2.77 -1.98	45.06 2.78 -1.63	46.99 3.06 -1.96	50.89 2.55 -2.26	104.64 8.15 -5.53	75.91 5.69 -6.29	56.47 3.57 -2.93	67.03 4.46 -3.77	68.01 4.38 -4.85	46.87 2.91 -2.27
ALTAMONT_115KV_TB 2 55880	29.21 0.12 0.00	28.77 0.15 0.00	25.43 0.13 0.00	24.18 0.11 0.00	24.86 0.09 0.00	30.41 0.05 0.00	60.94 0.00 0.00	56.99 -0.09 0.00	45.87 -0.13 0.00	43.67 0.05 0.00	39.19 0.10 0.00	38.03 0.09 0.12	38.74 0.21 0.02	45.23 0.35 0.00	45.67 0.30 0.00	40.95 0.31 0.00	42.30 0.33 0.00	46.47 0.39 0.00	91.51 0.54 0.00	64.35 0.43 0.00	50.01 0.04 0.00	58.50 -0.29 0.00	58.36 -0.42 0.00	41.46 -0.24 0.00
ALTONA_WT_PWR 323606	30.93 1.84 0.00	30.36 1.74 0.00	26.78 1.48 0.00	25.39 1.31 0.00	26.08 1.31 0.00	31.66 1.31 0.00	63.37 2.43 0.00	58.98 1.90 0.00	47.50 1.50 0.00	46.73 1.72 -1.39	41.12 1.52 -0.51	39.02 0.97 0.00	39.03 0.48 0.00	44.64 -0.25 0.00	44.21 -1.16 0.00	39.52 -1.12 0.00	40.90 -1.07 0.00	45.02 -1.06 0.00	88.95 -2.02 0.00	62.73 -1.19 0.00	49.33 -0.63 0.00	58.74 -0.05 0.00	60.13 1.35 0.00	43.39 1.70 0.00
AMERICAN_REF_FUEL 24010	29.18 -0.45 -0.53	28.30 -0.64 -0.32	24.88 -0.50 -0.08	23.96 -0.13 -0.01	24.73 -0.19 -0.14	31.07 -0.09 -0.81	63.31 -0.96 -3.33	60.61 -0.95 -4.47	49.41 -0.05 -3.47	48.84 1.22 -4.01	42.38 1.25 -2.03	41.18 1.47 -1.66	40.79 1.00 -1.24	47.05 0.53 -1.63	48.13 1.03 -1.73	42.74 0.67 -1.43	44.10 0.41 -1.72	48.13 0.08 -1.98	96.24 0.43 -4.84	69.12 -0.30 -5.50	51.35 -1.17 -2.57	61.56 -0.54 -3.30	62.88 -0.15 -4.25	44.18 0.50 -1.98
ARKWRIGHT___SUMMIT_WT_PWR 323751	29.58 -0.06 -0.55	28.92 -0.02 -0.32	25.43 0.05 -0.08	24.49 0.40 -0.01	25.37 0.45 -0.15	31.89 0.71 -0.83	65.42 1.03 -3.45	63.02 1.33 -4.61	51.25 1.69 -3.57	50.71 2.97 -4.13	43.78 2.59 -2.09	42.58 2.82 -1.71	42.06 2.23 -1.28	48.56 1.99 -1.69	49.65 2.49 -1.79	44.13 2.00 -1.48	45.81 2.05 -1.78	50.06 1.93 -2.05	100.84 4.86 -5.01	72.23 2.61 -5.70	53.62 1.00 -2.65	64.16 1.95 -3.42	65.64 2.46 -4.39	45.42 1.67 -2.05
ARTHUR KILL_GT_1 23520	30.46 1.36 0.00	29.85 1.23 0.00	26.34 1.03 0.00	25.03 0.95 0.00	25.76 0.98 0.00	31.53 1.18 0.00	62.54 1.69 0.09	38.03 1.96 21.01	35.17 2.13 12.96	31.59 2.65 14.67	23.77 2.57 17.89	32.54 2.58 8.10	22.03 2.96 19.48	20.80 3.54 27.62	40.69 3.63 8.31	37.59 3.41 6.46	40.08 3.39 5.29	47.07 3.78 2.78	97.40 6.57 0.14	68.32 4.40 0.01	50.86 2.98 2.09	49.17 2.91 12.54	40.66 2.60 20.72	37.64 1.66 5.71
ARTHUR_KILL_2 23512	30.38 1.28 0.00	29.77 1.15 0.00	26.27 0.97 0.00	24.96 0.88 0.00	25.69 0.91 0.00	31.44 1.08 0.00	62.35 1.50 0.09	37.86 1.78 21.01	35.10 2.06 12.96	31.51 2.56 14.67	23.72 2.52 17.89	32.49 2.54 8.10	21.96 2.89 19.48	20.71 3.45 27.62	40.55 3.49 8.31	37.45 3.27 6.46	39.92 3.23 5.29	46.86 3.57 2.78	96.99 6.17 0.14	68.03 4.11 0.01	50.67 2.79 2.09	49.03 2.78 12.54	40.52 2.46 20.72	37.53 1.55 5.71
ARTHUR_KILL_3 23513	30.04 0.94 0.00	29.45 0.83 0.00	25.98 0.68 0.00	24.67 0.59 0.00	25.39 0.61 0.00	31.07 0.71 0.00	62.04 1.18 0.08	47.52 1.15 10.72	34.96 0.99 12.03	30.42 1.46 14.67	22.73 1.52 17.88	33.05 1.62 6.63	30.49 2.05 10.11	33.08 2.52 14.33	43.84 2.68 4.21	38.72 2.39 4.31	41.61 2.45 2.81	47.42 2.75 1.41	96.67 5.77 0.07	67.62 3.70 0.01	50.81 1.93 1.08	53.44 1.58 6.94	44.97 1.25 15.06	37.05 0.79 5.43



ARTHUR_KILL_COGEN 323718	30.46 1.36 0.00	29.85 1.23 0.00	26.33 1.03 0.00	25.03 0.95 0.00	25.76 0.98 0.00	31.53 1.18 0.00	62.53 1.69 0.09	38.03 1.96 21.01	35.24 2.20 12.96	31.63 2.68 14.67	23.83 2.63 17.89	32.60 2.65 8.10	22.07 3.00 19.48	20.83 3.57 27.62	40.70 3.64 8.31	37.61 3.43 6.46	40.09 3.40 5.29	47.05 3.76 2.78	97.39 6.56 0.14	68.32 4.40 0.01	50.89 3.01 2.09	49.28 3.03 12.54	40.76 2.70 20.72	37.69 1.71 5.71
ASHOKAN____ 23654	29.56 0.47 0.00	29.07 0.45 0.00	25.65 0.35 0.00	24.39 0.31 0.00	25.08 0.30 0.00	30.71 0.35 0.00	61.60 0.66 0.00	57.78 0.70 0.00	46.50 0.50 0.00	44.28 0.65 0.00	39.58 0.49 0.00	38.81 0.75 0.00	39.33 0.77 0.00	46.00 1.11 0.00	46.51 1.14 0.00	41.71 1.06 0.00	43.25 1.28 0.00	47.64 1.56 0.00	94.07 3.10 0.00	66.08 2.16 0.00	51.10 1.14 0.00	59.55 0.75 0.00	59.19 0.41 0.00	41.92 0.23 0.00
ASTORIA_EAST_ENERGY_CC1 323581	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.68 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.35 1.41 0.00	58.58 1.49 0.00	47.41 1.41 0.00	45.49 1.87 0.00	40.96 1.86 -0.01	40.24 1.94 -0.25	40.89 2.29 -0.05	49.69 2.79 -2.01	48.32 2.95 0.00	43.34 2.69 0.00	44.74 2.77 0.00	49.22 3.14 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.36 2.39 0.00	60.98 2.18 0.00	60.60 1.83 0.00	42.90 1.21 0.00
ASTORIA_EAST_ENERGY_CC2 323582	30.12 1.03 0.00	29.54 0.92 0.00	26.04 0.74 0.00	24.75 0.67 0.00	25.47 0.69 0.00	31.17 0.81 0.00	62.31 1.38 0.00	58.55 1.46 0.00	47.38 1.38 0.00	45.47 1.85 0.00	40.93 1.83 -0.01	40.22 1.92 -0.25	40.87 2.27 -0.05	49.66 2.76 -2.01	48.29 2.93 0.00	43.31 2.67 0.00	44.72 2.75 0.00	49.19 3.11 0.00	96.92 5.96 0.00	67.88 3.96 0.00	52.32 2.35 0.00	60.95 2.15 0.00	60.55 1.78 0.00	42.88 1.19 0.00
ASTORIA_GT2_1 24094	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT2_2 24095	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT2_3 24096	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT2_4 24097	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT3_1 24098	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT3_2 24099	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT3_3 24100	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT3_4 24101	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT4_1 24102	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT4_2 24103	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT4_3 24104	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00



ASTORIA_GT4_4 24105	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.36 1.42 0.00	58.60 1.52 0.00	47.40 1.41 0.00	45.48 1.86 0.00	40.91 1.82 -0.01	40.19 1.89 -0.25	40.86 2.26 -0.05	49.65 2.75 -2.01	48.31 2.94 0.00	43.32 2.67 0.00	44.74 2.77 0.00	49.23 3.15 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.33 2.37 0.00	60.94 2.15 0.00	60.56 1.78 0.00	42.89 1.19 0.00
ASTORIA_GT_1 23523	30.18 1.09 0.00	29.60 0.98 0.00	26.09 0.79 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.24 0.89 0.00	62.48 1.54 0.00	58.72 1.63 0.00	47.52 1.52 0.00	45.58 1.96 0.00	41.01 1.91 -0.01	40.28 1.98 -0.25	40.95 2.35 -0.05	49.75 2.85 -2.01	48.42 3.05 0.00	43.43 2.78 0.00	44.85 2.88 0.00	49.34 3.27 0.00	97.23 6.26 0.00	68.08 4.16 0.00	52.45 2.49 0.00	61.07 2.28 0.00	60.70 1.92 0.00	42.97 1.28 0.00
ASTORIA_GT_10 24110	30.17 1.08 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.66 1.57 0.00	47.46 1.46 0.00	45.56 1.93 0.00	41.03 1.93 -0.01	40.32 2.02 -0.25	41.02 2.42 -0.05	47.84 2.94 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.78 2.81 0.00	49.20 3.12 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.22 2.26 0.00	60.79 1.99 0.00	60.41 1.64 0.00	42.75 1.05 0.00
ASTORIA_GT_11 24225	30.17 1.08 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.66 1.57 0.00	47.46 1.46 0.00	45.56 1.93 0.00	41.03 1.93 -0.01	40.32 2.02 -0.25	41.02 2.42 -0.05	47.84 2.94 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.78 2.81 0.00	49.20 3.12 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.22 2.26 0.00	60.79 1.99 0.00	60.41 1.64 0.00	42.75 1.05 0.00
ASTORIA_GT_12 24226	30.17 1.08 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.66 1.57 0.00	47.46 1.46 0.00	45.56 1.93 0.00	41.03 1.93 -0.01	40.32 2.02 -0.25	41.02 2.42 -0.05	47.84 2.94 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.78 2.81 0.00	49.20 3.12 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.22 2.26 0.00	60.79 1.99 0.00	60.41 1.64 0.00	42.75 1.05 0.00
ASTORIA_GT_13 24227	30.17 1.08 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.66 1.57 0.00	47.46 1.46 0.00	45.56 1.93 0.00	41.03 1.93 -0.01	40.32 2.02 -0.25	41.02 2.42 -0.05	47.84 2.94 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.78 2.81 0.00	49.20 3.12 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.22 2.26 0.00	60.79 1.99 0.00	60.41 1.64 0.00	42.75 1.05 0.00
ASTORIA_GT_5 24106	30.18 1.09 0.00	29.60 0.98 0.00	26.09 0.79 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.24 0.89 0.00	62.48 1.54 0.00	58.72 1.63 0.00	47.52 1.52 0.00	45.58 1.96 0.00	41.01 1.91 -0.01	40.28 1.98 -0.25	40.95 2.35 -0.05	49.75 2.85 -2.01	48.42 3.05 0.00	43.43 2.78 0.00	44.85 2.88 0.00	49.34 3.27 0.00	97.23 6.26 0.00	68.08 4.16 0.00	52.45 2.49 0.00	61.07 2.28 0.00	60.70 1.92 0.00	42.97 1.28 0.00
ASTORIA_GT_7 24107	30.18 1.09 0.00	29.60 0.98 0.00	26.09 0.79 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.24 0.89 0.00	62.48 1.54 0.00	58.72 1.63 0.00	47.52 1.52 0.00	45.58 1.96 0.00	41.01 1.91 -0.01	40.28 1.98 -0.25	40.95 2.35 -0.05	49.75 2.85 -2.01	48.42 3.05 0.00	43.43 2.78 0.00	44.85 2.88 0.00	49.34 3.27 0.00	97.23 6.26 0.00	68.08 4.16 0.00	52.45 2.49 0.00	61.07 2.28 0.00	60.70 1.92 0.00	42.97 1.28 0.00
ASTORIA_GT_8 24108	30.18 1.09 0.00	29.60 0.98 0.00	26.09 0.79 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.24 0.89 0.00	62.48 1.54 0.00	58.72 1.63 0.00	47.52 1.52 0.00	45.58 1.96 0.00	41.01 1.91 -0.01	40.28 1.98 -0.25	40.95 2.35 -0.05	49.75 2.85 -2.01	48.42 3.05 0.00	43.43 2.78 0.00	44.85 2.88 0.00	49.34 3.27 0.00	97.23 6.26 0.00	68.08 4.16 0.00	52.45 2.49 0.00	61.07 2.28 0.00	60.70 1.92 0.00	42.97 1.28 0.00
ASTORIA___2 24149	30.14 1.04 0.00	29.55 0.93 0.00	26.05 0.75 0.00	24.76 0.68 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.35 1.41 0.00	58.58 1.49 0.00	47.41 1.41 0.00	45.49 1.87 0.00	40.96 1.86 -0.01	40.24 1.94 -0.25	40.89 2.29 -0.05	49.69 2.79 -2.01	48.32 2.95 0.00	43.34 2.69 0.00	44.74 2.77 0.00	49.22 3.14 0.00	97.00 6.03 0.00	67.93 4.00 0.00	52.36 2.39 0.00	60.98 2.18 0.00	60.60 1.83 0.00	42.90 1.21 0.00
ASTORIA___3 23516	30.17 1.07 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.65 1.57 0.00	47.46 1.47 0.00	45.57 1.95 0.00	41.05 1.95 -0.01	40.33 2.03 -0.25	41.04 2.44 -0.05	47.85 2.96 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.79 2.81 0.00	49.19 3.11 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.23 2.27 0.00	60.83 2.03 0.00	60.43 1.66 0.00	42.76 1.07 0.00
ASTORIA___4 23517	30.17 1.08 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.66 1.57 0.00	47.46 1.46 0.00	45.56 1.93 0.00	41.03 1.93 -0.01	40.32 2.02 -0.25	41.02 2.42 -0.05	47.84 2.94 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.78 2.81 0.00	49.20 3.12 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.22 2.26 0.00	60.79 1.99 0.00	60.41 1.64 0.00	42.75 1.05 0.00
ASTORIA___5 23518	30.17 1.07 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.65 1.57 0.00	47.46 1.47 0.00	45.57 1.95 0.00	41.05 1.95 -0.01	40.33 2.03 -0.25	41.04 2.44 -0.05	47.85 2.96 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.79 2.81 0.00	49.19 3.11 0.00	96.90 5.93 0.00	67.80 3.88 0.00	52.23 2.26 0.00	60.83 2.03 0.00	60.43 1.65 0.00	42.76 1.07 0.00
AST_ENERGY_2_CC3 323677	21.01 0.73 8.82	21.01 0.63 8.24	21.01 0.48 4.78	21.01 0.43 3.50	21.01 0.44 4.21	21.12 0.50 9.73	49.46 0.76 12.24	35.52 0.89 22.45	25.16 0.92 21.75	21.71 1.39 23.30	25.81 1.43 14.71	25.89 1.52 13.68	25.81 1.87 14.61	31.31 2.31 15.89	35.50 2.45 12.32	31.20 2.24 11.69	32.96 2.31 11.33	37.98 2.65 10.75	86.04 5.03 9.96	56.87 3.31 10.37	41.29 1.86 10.53	45.98 1.56 14.38	38.68 1.18 21.28	31.67 0.76 10.78
AST_ENERGY_2_CC4 323678	21.01 0.73 8.82	21.01 0.63 8.24	21.01 0.48 4.78	21.01 0.43 3.50	21.01 0.44 4.21	21.12 0.50 9.73	49.46 0.76 12.24	35.52 0.89 22.45	25.16 0.92 21.75	21.71 1.39 23.30	25.81 1.43 14.71	25.89 1.52 13.68	25.81 1.87 14.61	31.31 2.31 15.89	35.50 2.45 12.32	31.20 2.24 11.69	32.96 2.31 11.33	37.98 2.65 10.75	86.04 5.03 9.96	56.87 3.31 10.37	41.29 1.86 10.53	45.98 1.56 14.38	38.68 1.18 21.28	31.67 0.76 10.78



ATHENS_STG_1 23668	29.32 0.22 0.00	28.88 0.26 0.00	25.51 0.21 0.00	24.26 0.18 0.00	24.93 0.15 0.00	30.48 0.12 0.00	61.04 0.10 0.00	57.14 0.06 0.00	46.02 0.03 0.00	43.95 0.33 0.00	39.46 0.36 0.00	38.55 0.40 -0.10	39.19 0.61 -0.02	45.75 0.86 0.00	46.23 0.86 0.00	41.43 0.79 0.00	42.78 0.81 0.00	47.01 0.94 0.00	92.56 1.59 0.00	65.01 1.08 0.00	50.37 0.41 0.00	58.86 0.07 0.00	58.73 -0.05 0.00	41.65 -0.05 0.00
ATHENS_STG_2 23670	29.32 0.22 0.00	28.88 0.26 0.00	25.51 0.21 0.00	24.26 0.18 0.00	24.93 0.15 0.00	30.48 0.12 0.00	61.04 0.10 0.00	57.14 0.06 0.00	46.02 0.03 0.00	43.95 0.33 0.00	39.46 0.36 0.00	38.55 0.40 -0.10	39.19 0.61 -0.02	45.75 0.86 0.00	46.23 0.86 0.00	41.43 0.79 0.00	42.78 0.81 0.00	47.01 0.94 0.00	92.56 1.59 0.00	65.01 1.08 0.00	50.37 0.41 0.00	58.86 0.07 0.00	58.73 -0.05 0.00	41.65 -0.05 0.00
ATHENS_STG_3 23677	29.32 0.22 0.00	28.88 0.26 0.00	25.51 0.21 0.00	24.26 0.18 0.00	24.93 0.15 0.00	30.48 0.12 0.00	61.04 0.10 0.00	57.14 0.06 0.00	46.02 0.03 0.00	43.95 0.33 0.00	39.46 0.36 0.00	38.55 0.40 -0.10	39.19 0.61 -0.02	45.75 0.86 0.00	46.23 0.86 0.00	41.43 0.79 0.00	42.78 0.81 0.00	47.01 0.94 0.00	92.56 1.59 0.00	65.01 1.08 0.00	50.37 0.41 0.00	58.86 0.07 0.00	58.73 -0.05 0.00	41.65 -0.05 0.00
AUBURN___LFGE 323710	30.39 0.12 -1.18	29.40 0.07 -0.70	25.51 0.05 -0.16	24.22 0.12 -0.02	25.24 0.14 -0.32	32.43 0.28 -1.80	68.99 0.62 -7.43	67.73 0.66 -9.99	54.37 0.64 -7.73	53.51 0.95 -8.94	44.50 0.79 -4.62	42.54 0.79 -3.69	41.98 0.65 -2.78	49.11 0.57 -3.65	49.93 0.70 -3.87	44.51 0.68 -3.19	46.65 0.85 -3.83	51.60 1.12 -4.41	104.26 2.51 -10.78	77.80 1.61 -12.26	56.53 0.85 -5.72	67.10 0.95 -7.35	69.25 1.01 -9.46	46.73 0.62 -4.42
BABYLON_RES_REC 323704	29.88 0.78 0.00	29.36 0.74 0.00	25.83 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.68 0.32 0.00	48.21 0.09 12.81	31.18 0.26 26.16	44.06 0.39 2.32	44.68 1.06 0.00	40.28 1.19 0.00	39.31 1.02 -0.24	39.93 1.34 -0.04	42.64 1.43 3.68	46.92 1.55 0.00	42.89 1.44 -0.81	43.37 1.44 0.04	32.49 1.62 15.20	28.19 3.14 65.91	26.76 2.06 39.23	50.66 0.84 0.16	57.86 0.60 1.54	47.67 0.59 11.70	41.13 0.42 0.98
BALL_HILL_WT_PWR 323825	29.58 -0.06 -0.55	28.82 -0.13 -0.32	25.29 -0.09 -0.08	24.35 0.26 -0.01	25.18 0.26 -0.15	31.69 0.51 -0.83	64.97 0.61 -3.43	62.23 0.59 -4.56	50.52 0.99 -3.53	49.94 2.24 -4.08	43.18 2.02 -2.07	42.00 2.25 -1.69	41.50 1.68 -1.27	47.89 1.34 -1.67	49.00 1.85 -1.78	43.54 1.43 -1.47	45.14 1.39 -1.77	49.32 1.20 -2.04	99.25 3.30 -4.98	71.13 1.54 -5.67	52.82 0.22 -2.64	63.23 1.04 -3.40	64.71 1.56 -4.37	44.97 1.24 -2.04
BARON_WINDS___WT_PWR 323822	29.45 -0.29 -0.64	28.74 -0.26 -0.38	25.14 -0.25 -0.09	24.12 0.03 -0.01	25.09 0.14 -0.18	31.72 0.39 -0.98	65.55 0.56 -4.05	62.95 0.41 -5.46	50.79 0.56 -4.23	49.91 1.40 -4.89	42.69 1.12 -2.48	41.40 1.33 -2.02	41.00 0.93 -1.52	47.46 0.58 -1.99	48.47 1.00 -2.11	43.34 0.96 -1.74	45.10 1.04 -2.08	49.16 0.69 -2.40	99.49 2.66 -5.87	71.92 1.32 -6.68	53.36 0.29 -3.11	63.62 0.83 -4.00	65.19 1.26 -5.15	44.81 0.71 -2.40
BARRETT_IC_1 23704	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_10 23701	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	-52.21 1.87 98.96	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_11 23702	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	-52.21 1.87 98.96	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_12 23703	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	-52.21 1.87 98.96	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_2 23705	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_3 23706	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_4 23707	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_5 23708	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43



BARRETT_IC_6 23709	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_7 23710	29.82 0.73 0.00	29.35 0.72 0.00	25.82 0.51 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.66 -0.23 15.05	26.33 -0.17 30.59	43.31 0.02 2.71	44.29 0.67 0.00	39.95 0.85 0.00	39.27 0.98 -0.24	40.00 1.41 -0.04	73.11 1.86 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.13 1.95 17.90	17.18 3.78 77.57	20.19 2.48 46.22	51.07 1.27 0.17	57.76 0.77 1.80	45.20 0.20 13.78	41.43 0.17 0.43
BARRETT_IC_8 23711	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT_IC_9 23700	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	-52.21 1.87 98.96	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT___1 23545	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	73.11 1.87 -26.36	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BARRETT___2 23546	29.82 0.73 0.00	29.35 0.73 0.00	25.82 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.59 0.23 0.00	45.65 -0.24 15.05	26.31 -0.19 30.59	43.32 0.03 2.71	44.29 0.67 0.00	39.97 0.88 0.01	39.28 0.99 -0.23	39.99 1.41 -0.04	-52.21 1.87 98.96	47.45 2.08 0.00	43.11 1.78 -0.69	43.46 1.75 0.26	30.12 1.95 17.90	17.16 3.76 77.57	20.18 2.47 46.22	51.08 1.29 0.17	57.77 0.78 1.80	45.21 0.21 13.78	41.43 0.17 0.43
BATAVIA__115KV_TB1 55881	30.52 0.91 -0.53	29.62 0.69 -0.31	26.00 0.62 -0.08	24.95 0.86 -0.01	25.76 0.84 -0.14	32.38 1.23 -0.80	66.51 2.26 -3.31	63.83 2.31 -4.44	51.82 2.38 -3.44	50.81 3.21 -3.98	44.01 2.90 -2.02	42.60 2.90 -1.65	42.38 2.59 -1.23	49.05 2.54 -1.62	50.17 3.08 -1.72	44.59 2.53 -1.42	45.83 2.16 -1.70	50.31 2.27 -1.96	101.53 5.76 -4.80	73.15 3.76 -5.46	54.47 1.96 -2.54	64.80 2.74 -3.27	65.83 2.83 -4.21	45.94 2.28 -1.97
BAYONEEC___CTG1 323682	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG10 323750	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG2 323683	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG3 323684	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG4 323685	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG5 323686	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG6 323687	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG7 323688	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30



BAYONEEC___CTG8 323689	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BAYONEEC___CTG9 323749	30.14 1.04 0.00	29.57 0.94 0.00	26.08 0.77 0.00	24.77 0.69 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	59.59 1.41 -1.09	47.98 1.28 -0.70	46.16 1.76 -0.77	41.82 1.79 -0.94	40.60 1.87 -0.68	41.91 2.29 -1.07	49.13 2.79 -1.45	48.72 2.93 -0.43	43.62 2.64 -0.33	44.94 2.70 -0.27	49.25 3.02 -0.14	97.06 6.08 -0.01	67.89 3.96 0.00	52.31 2.24 -0.11	61.42 1.96 -0.66	61.49 1.62 -1.09	43.04 1.05 -0.30
BEACON___LESR 323632	29.17 0.08 0.00	28.72 0.10 0.00	25.38 0.08 0.00	24.13 0.05 0.00	24.85 0.07 0.00	30.42 0.07 0.00	60.91 -0.03 0.00	56.87 -0.22 0.00	45.74 -0.25 0.00	43.51 -0.11 0.00	39.02 -0.07 0.00	37.88 0.02 0.19	38.71 0.19 0.03	45.05 0.16 0.00	45.58 0.21 0.00	40.84 0.20 0.00	42.27 0.29 0.00	46.42 0.35 0.00	91.48 0.51 0.00	64.37 0.44 0.00	50.06 0.09 0.00	58.36 -0.43 0.00	58.13 -0.65 0.00	41.20 -0.49 0.00
BEAVER RIVER___HYD 24048	30.26 0.67 -0.49	29.72 0.80 -0.29	26.17 0.80 -0.07	24.63 0.54 -0.01	25.68 0.77 -0.13	32.41 1.31 -0.75	67.52 3.54 -3.03	64.88 3.64 -4.16	52.20 3.05 -3.16	57.00 2.85 -10.53	45.61 2.17 -4.35	41.18 1.65 -1.48	41.03 1.34 -1.13	47.84 1.47 -1.49	48.26 1.32 -1.58	43.22 1.28 -1.30	45.15 1.62 -1.56	49.64 1.76 -1.80	99.95 4.58 -4.40	72.46 3.53 -5.01	55.07 2.78 -2.33	65.32 3.52 -3.00	66.01 3.37 -3.86	45.71 2.21 -1.80
BEEBEE_GT_13 23619	29.91 0.31 -0.51	29.10 0.17 -0.30	25.53 0.16 -0.07	24.40 0.31 -0.01	25.21 0.30 -0.14	31.63 0.51 -0.77	65.16 1.03 -3.19	62.43 1.06 -4.29	50.56 1.24 -3.33	49.30 1.84 -3.84	42.80 1.77 -1.95	41.43 1.79 -1.59	41.26 1.51 -1.19	47.95 1.50 -1.57	48.83 1.80 -1.66	43.49 1.48 -1.37	45.07 1.45 -1.64	49.50 1.53 -1.89	99.09 3.50 -4.63	71.27 2.08 -5.26	53.35 0.93 -2.45	63.25 1.30 -3.16	64.15 1.31 -4.06	44.60 1.01 -1.90
BENSHRST_27_KV_BENSHRST_1 355998	30.44 1.35 0.00	29.82 1.20 0.00	26.30 0.99 0.00	24.97 0.89 0.00	25.69 0.92 0.00	31.47 1.12 0.00	62.92 1.98 0.00	60.01 2.26 -0.67	48.74 2.07 -0.67	46.91 2.54 -0.76	42.50 2.48 -0.92	41.28 2.56 -0.67	42.58 2.97 -1.05	49.85 3.60 -1.37	49.32 3.74 -0.22	44.20 3.40 -0.15	45.45 3.44 -0.03	50.00 3.86 -0.07	98.01 7.04 0.00	68.59 4.67 0.00	53.08 3.02 -0.10	62.40 2.92 -0.69	62.41 2.56 -1.07	43.55 1.63 -0.22
BETHLEHEM___GRP 23843	28.76 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.90 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.23 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.56 0.00	40.71 -0.98 0.00
BETHLEHEM___GS1 323560	28.77 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.89 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.22 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.57 0.00	40.71 -0.98 0.00
BETHLEHEM___GS2 323561	28.77 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.89 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.22 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.57 0.00	40.71 -0.98 0.00
BETHLEHEM___GS3 323562	28.77 -0.33 0.00	28.33 -0.29 0.00	25.05 -0.25 0.00	23.81 -0.27 0.00	24.51 -0.27 0.00	29.94 -0.41 0.00	59.95 -0.99 0.00	56.01 -1.07 0.00	45.10 -0.90 0.00	42.88 -0.74 0.00	38.46 -0.63 0.00	37.28 -0.60 0.18	38.10 -0.42 0.03	44.50 -0.38 0.00	44.89 -0.47 0.00	40.27 -0.37 0.00	41.58 -0.39 0.00	45.68 -0.40 0.00	89.87 -1.10 0.00	63.22 -0.70 0.00	49.17 -0.79 0.00	57.41 -1.39 0.00	57.22 -1.57 0.00	40.71 -0.98 0.00
BETHLEHEM___STEEL 23779	29.76 0.13 -0.54	28.91 -0.03 -0.32	25.39 0.01 -0.08	24.44 0.35 -0.01	25.26 0.33 -0.15	31.76 0.58 -0.82	65.09 0.74 -3.41	62.34 0.69 -4.57	50.73 1.19 -3.54	50.10 2.39 -4.09	43.45 2.28 -2.08	42.25 2.50 -1.69	41.78 1.95 -1.27	48.23 1.67 -1.67	49.33 2.19 -1.77	43.88 1.77 -1.46	45.37 1.64 -1.76	49.54 1.44 -2.02	99.38 3.46 -4.95	71.27 1.71 -5.63	52.95 0.36 -2.62	63.37 1.20 -3.38	64.71 1.59 -4.34	45.18 1.46 -2.03
BETHLHEM_115KV_TB1 79974	28.86 -0.24 0.00	28.42 -0.20 0.00	25.13 -0.17 0.00	23.89 -0.19 0.00	24.58 -0.20 0.00	30.04 -0.32 0.00	60.14 -0.80 0.00	56.20 -0.88 0.00	45.26 -0.74 0.00	43.04 -0.58 0.00	38.61 -0.48 0.00	37.43 -0.45 0.17	38.23 -0.29 0.03	44.65 -0.24 0.00	45.05 -0.31 0.00	40.42 -0.23 0.00	41.73 -0.24 0.00	45.83 -0.25 0.00	90.20 -0.77 0.00	63.45 -0.48 0.00	49.33 -0.63 0.00	57.62 -1.18 0.00	57.44 -1.34 0.00	40.86 -0.83 0.00
BETHPAGE_CC_5 323564	29.75 0.66 0.00	29.27 0.65 0.00	25.76 0.46 0.00	24.45 0.37 0.00	25.13 0.36 0.00	30.56 0.21 0.00	48.80 -0.21 11.93	32.64 0.00 24.44	44.00 0.18 2.17	44.44 0.82 0.00	40.11 1.02 0.00	39.39 1.10 -0.24	40.11 1.52 -0.04	44.26 1.82 2.44	47.42 2.05 0.00	43.36 1.85 -0.86	43.88 1.85 -0.05	33.97 2.04 14.15	33.54 3.94 61.37	30.02 2.59 36.50	51.07 1.26 0.15	58.14 0.78 1.44	48.20 0.31 10.89	40.99 0.20 0.91
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	29.80 0.17 -0.54	28.95 0.01 -0.32	25.42 0.05 -0.08	24.47 0.38 -0.01	25.29 0.36 -0.15	31.80 0.62 -0.83	65.22 0.86 -3.42	62.63 0.95 -4.59	50.96 1.40 -3.56	50.31 2.58 -4.12	43.62 2.45 -2.09	42.43 2.67 -1.70	41.95 2.12 -1.28	48.44 1.88 -1.68	49.55 2.40 -1.78	44.08 1.97 -1.47	45.62 1.89 -1.77	49.81 1.71 -2.03	99.94 4.00 -4.97	71.64 2.06 -5.65	53.23 0.63 -2.64	63.65 1.47 -3.39	64.98 1.84 -4.36	45.29 1.56 -2.04
BINGHAMTON___COGEN 23790	29.68 -0.07 -0.66	28.98 -0.04 -0.39	25.33 -0.06 -0.09	24.12 0.03 -0.01	24.98 0.03 -0.18	31.49 0.13 -1.01	65.37 0.27 -4.16	62.95 0.27 -5.60	50.62 0.30 -4.33	49.44 0.82 -5.00	42.27 0.64 -2.54	40.86 0.74 -2.07	40.68 0.57 -1.56	47.44 0.51 -2.05	48.24 0.71 -2.17	43.06 0.63 -1.79	44.87 0.75 -2.14	49.26 0.71 -2.47	98.84 1.82 -6.04	71.72 0.92 -6.87	53.38 0.21 -3.20	63.26 0.35 -4.12	64.66 0.58 -5.30	44.34 0.17 -2.47



BIXINCNT_115KV_LOAD 355685	29.78 0.14 -0.55	29.00 0.05 -0.33	25.41 0.03 -0.08	24.55 0.47 -0.01	25.40 0.47 -0.15	31.99 0.80 -0.84	65.79 1.39 -3.46	63.15 1.42 -4.64	51.33 1.73 -3.60	50.66 2.88 -4.16	43.84 2.64 -2.11	42.61 2.84 -1.72	42.01 2.16 -1.29	48.45 1.86 -1.70	49.53 2.36 -1.80	44.02 1.89 -1.49	45.58 1.82 -1.79	49.76 1.63 -2.06	100.05 4.05 -5.03	71.75 2.11 -5.72	53.35 0.72 -2.67	63.76 1.54 -3.43	65.23 2.03 -4.41	45.31 1.55 -2.06
BLACK RIVER___HYD 24047	30.74 0.86 -0.78	30.07 0.98 -0.46	26.41 0.99 -0.11	24.76 0.67 -0.02	25.94 0.95 -0.21	33.14 1.60 -1.19	70.03 4.24 -4.86	68.02 4.34 -6.60	54.72 3.66 -5.06	57.88 3.58 -10.68	46.57 2.76 -4.72	42.56 2.11 -2.39	42.08 1.71 -1.82	49.21 1.94 -2.39	49.64 1.74 -2.53	44.53 1.80 -2.09	46.74 2.26 -2.50	51.54 2.58 -2.88	104.86 6.83 -7.06	77.09 5.14 -8.03	57.57 3.86 -3.74	68.27 4.66 -4.81	69.28 4.31 -6.19	47.35 2.77 -2.89
BLACKRVR_115KV_TB2 79977	30.74 0.86 -0.78	30.07 0.98 -0.46	26.41 0.99 -0.11	24.76 0.67 -0.02	25.94 0.95 -0.21	33.14 1.60 -1.19	70.04 4.25 -4.86	68.02 4.33 -6.60	54.72 3.66 -5.06	57.87 3.58 -10.68	46.57 2.76 -4.72	42.56 2.11 -2.39	42.08 1.71 -1.82	49.21 1.94 -2.39	49.64 1.74 -2.53	44.53 1.80 -2.09	46.74 2.27 -2.50	51.54 2.58 -2.88	104.87 6.84 -7.06	77.09 5.14 -8.03	57.57 3.86 -3.74	68.27 4.66 -4.81	69.28 4.30 -6.19	47.35 2.77 -2.89
BLDWN_LI_69_KV_BK4 356085	30.00 0.91 0.00	29.47 0.85 0.00	25.92 0.62 0.00	24.61 0.53 0.00	25.32 0.55 0.00	30.80 0.45 0.00	50.99 0.32 10.27	36.34 0.43 21.18	44.63 0.52 1.89	44.74 1.12 0.00	40.34 1.25 0.00	39.66 1.37 -0.24	40.40 1.81 -0.04	53.11 2.25 -5.97	47.78 2.41 0.00	43.72 2.13 -0.95	44.34 2.15 -0.21	36.33 2.41 12.15	42.91 4.68 52.74	35.76 3.15 31.31	51.67 1.83 0.12	59.00 1.44 1.23	50.35 0.91 9.34	41.68 0.61 0.62
BLISS_WT_PWR 323608	29.75 0.10 -0.55	28.98 0.03 -0.33	25.38 0.00 -0.08	24.55 0.46 -0.01	25.42 0.49 -0.15	32.00 0.81 -0.84	65.82 1.42 -3.46	63.19 1.46 -4.64	51.36 1.77 -3.60	50.71 2.93 -4.16	43.87 2.67 -2.11	42.66 2.88 -1.72	42.06 2.21 -1.29	48.50 1.92 -1.70	49.58 2.41 -1.80	44.07 1.94 -1.49	45.63 1.87 -1.79	49.81 1.67 -2.06	100.10 4.10 -5.03	71.81 2.17 -5.72	53.37 0.74 -2.67	63.80 1.58 -3.43	65.27 2.08 -4.41	45.33 1.58 -2.06
BLUESTONE___WT_PWR 323821	30.22 0.56 -0.57	29.84 0.88 -0.34	26.04 0.65 -0.08	24.88 0.79 -0.01	25.79 0.86 -0.15	32.36 1.14 -0.86	67.36 2.84 -3.59	64.76 2.85 -4.82	51.90 2.17 -3.73	50.24 2.31 -4.31	43.36 2.09 -2.18	41.97 2.14 -1.78	41.99 2.10 -1.34	48.99 2.35 -1.76	49.85 2.62 -1.87	44.65 2.47 -1.54	46.54 2.72 -1.85	51.26 3.06 -2.13	102.60 6.43 -5.20	74.06 4.22 -5.92	55.39 2.67 -2.76	65.37 3.03 -3.55	66.33 2.99 -4.57	45.62 1.79 -2.13
BLUE_CIRC_CHEM_DRP 24182	29.28 0.19 0.00	28.85 0.23 0.00	25.50 0.20 0.00	24.25 0.18 0.00	24.94 0.16 0.00	30.49 0.14 0.00	61.09 0.15 0.00	56.98 -0.10 0.00	45.76 -0.24 0.00	43.49 -0.13 0.00	39.02 -0.07 0.00	37.79 -0.15 0.12	37.96 -0.57 0.02	44.11 -0.77 0.00	44.51 -0.86 0.00	39.98 -0.66 0.00	41.33 -0.65 0.00	45.35 -0.73 0.00	89.27 -1.70 0.00	62.78 -1.14 0.00	48.85 -1.12 0.00	57.13 -1.67 0.00	57.03 -1.75 0.00	40.55 -1.15 0.00
BOC_GAS_DRP 24189	29.11 0.02 0.00	28.67 0.05 0.00	25.34 0.04 0.00	24.10 0.01 0.00	24.78 0.00 0.00	30.29 -0.06 0.00	60.68 -0.26 0.00	56.74 -0.34 0.00	45.66 -0.33 0.00	43.47 -0.15 0.00	39.00 -0.09 0.00	37.87 -0.07 0.11	38.58 0.05 0.02	45.04 0.15 0.00	45.48 0.10 0.00	40.77 0.13 0.00	42.10 0.13 0.00	46.24 0.16 0.00	90.99 0.02 0.00	63.97 0.05 0.00	49.71 -0.25 0.00	58.15 -0.64 0.00	58.04 -0.74 0.00	41.24 -0.45 0.00
BOONVILLE_115KV_TB1 79983	29.96 0.58 -0.30	29.45 0.65 -0.18	25.94 0.59 -0.04	24.57 0.48 -0.01	25.45 0.59 -0.08	31.74 0.94 -0.45	65.16 2.49 -1.72	62.03 2.54 -2.40	49.83 2.09 -1.75	50.36 2.06 -4.68	42.81 1.72 -1.99	40.38 1.50 -0.82	40.57 1.35 -0.66	47.30 1.56 -0.86	47.75 1.47 -0.91	42.72 1.32 -0.76	44.45 1.57 -0.91	48.91 1.79 -1.04	97.61 4.08 -2.55	69.86 3.03 -2.90	53.51 2.19 -1.35	63.04 2.50 -1.74	63.36 2.34 -2.24	44.27 1.53 -1.05
BORALEX_4TH_BRANCH 23824	29.69 0.59 0.00	29.28 0.65 0.00	25.92 0.61 0.00	24.63 0.55 0.00	25.34 0.57 0.00	30.91 0.56 0.00	61.93 0.99 0.00	57.77 0.68 0.00	46.29 0.30 0.00	44.12 0.50 0.00	39.60 0.51 0.00	38.08 0.58 0.55	39.37 0.91 0.09	46.19 1.31 0.00	46.29 0.92 0.00	41.41 0.77 0.00	42.78 0.81 0.00	46.91 0.83 0.00	92.51 1.54 0.00	65.20 1.27 0.00	50.92 0.96 0.00	59.31 0.52 0.00	58.99 0.21 0.00	42.10 0.41 0.00
BOWLINE___1 23526	29.80 0.70 0.00	29.25 0.63 0.00	25.80 0.49 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.87 0.52 0.00	61.83 0.89 0.00	57.99 0.91 0.00	46.72 0.73 0.00	44.81 1.19 0.00	40.33 1.23 0.00	39.60 1.32 -0.23	40.27 1.68 -0.04	46.98 2.09 0.00	47.59 2.23 0.00	42.63 1.99 0.00	44.05 2.08 0.00	48.47 2.39 0.00	95.93 4.97 0.00	67.11 3.19 0.00	51.61 1.64 0.00	60.11 1.31 0.00	59.82 1.04 0.00	42.33 0.63 0.00
BOWLINE___2 23595	29.79 0.69 0.00	29.24 0.61 0.00	25.79 0.48 0.00	24.51 0.43 0.00	25.21 0.43 0.00	30.86 0.51 0.00	61.83 0.89 0.00	57.99 0.91 0.00	46.72 0.73 0.00	44.80 1.17 0.00	40.30 1.21 0.00	39.59 1.31 -0.23	40.25 1.66 -0.04	46.96 2.08 0.00	47.58 2.21 0.00	42.61 1.97 0.00	44.03 2.05 0.00	48.46 2.38 0.00	95.89 4.92 0.00	67.08 3.15 0.00	51.59 1.62 0.00	60.08 1.29 0.00	59.80 1.02 0.00	42.31 0.62 0.00
BRADY___115KV_TB2 356060	30.18 1.09 0.00	29.65 1.03 0.00	26.22 0.91 0.00	24.94 0.86 0.00	25.72 0.94 0.00	31.57 1.21 0.00	63.61 2.67 0.00	59.64 2.56 0.00	48.16 2.17 0.00	71.81 1.59 -26.60	49.22 1.15 -8.97	38.96 0.91 0.00	39.12 0.57 0.00	45.27 0.39 0.00	45.76 0.39 0.00	40.77 0.13 0.00	41.91 -0.07 0.00	45.80 -0.28 0.00	91.23 0.26 0.00	64.56 0.64 0.00	51.29 1.32 0.00	60.94 2.15 0.00	61.24 2.46 0.00	43.47 1.77 0.00
BRANSCOMB___SOLAR 323811	29.94 0.85 0.00	29.50 0.88 0.00	26.08 0.78 0.00	24.80 0.72 0.00	25.49 0.71 0.00	31.15 0.79 0.00	62.55 1.61 0.00	58.43 1.34 0.00	46.93 0.93 0.00	44.80 1.18 0.00	40.17 1.08 0.00	38.80 1.02 0.27	39.73 1.22 0.05	46.46 1.57 0.00	46.78 1.42 0.00	41.86 1.21 0.00	43.33 1.36 0.00	47.69 1.62 0.00	94.23 3.26 0.00	66.35 2.42 0.00	51.68 1.72 0.00	60.33 1.53 0.00	59.91 1.13 0.00	42.57 0.88 0.00
BRDGHMPT_69_KV_BK1 55812	29.98 0.89 0.00	29.43 0.81 0.00	25.84 0.54 0.00	24.57 0.49 0.00	25.25 0.47 0.00	30.67 0.32 0.00	46.98 0.11 14.07	28.61 0.18 28.65	43.65 0.19 2.54	44.45 0.83 0.00	40.11 1.01 0.00	38.80 0.93 0.18	33.49 1.14 6.20	28.29 1.02 17.62	44.03 1.31 2.64	42.64 1.26 -0.74	43.06 1.26 0.17	30.83 1.47 16.72	21.31 2.79 72.45	22.69 1.91 43.14	50.34 0.55 0.17	57.21 0.11 1.70	45.52 -0.39 12.87	40.38 -0.22 1.10



BRENTWOD_69_KV_W. BRTWOOD 56703	29.97 0.87 0.00	29.43 0.81 0.00	25.89 0.59 0.00	24.57 0.49 0.00	25.29 0.51 0.00	30.74 0.39 0.00	47.32 0.18 13.80	29.31 0.35 28.13	43.94 0.44 2.50	44.77 1.15 0.00	40.38 1.29 0.00	39.70 1.41 -0.24	40.46 1.87 -0.04	41.55 2.06 5.40	47.72 2.36 0.00	43.52 2.13 -0.75	43.93 2.10 0.14	32.04 2.36 16.39	24.53 4.61 71.06	24.72 3.11 42.31	51.38 1.58 0.17	58.28 1.15 1.66	46.81 0.65 12.62	41.11 0.49 1.08
BRISTLHL_115KV_TB1 79998	29.56 -0.30 -0.75	28.75 -0.32 -0.45	25.11 -0.30 -0.10	23.85 -0.24 -0.02	24.73 -0.25 -0.21	31.27 -0.23 -1.15	65.33 -0.36 -4.75	63.24 -0.24 -6.39	50.88 -0.07 -4.96	50.09 0.20 -6.26	42.36 0.17 -3.10	40.59 0.17 -2.37	40.37 0.05 -1.78	47.23 0.01 -2.33	47.88 0.05 -2.47	42.77 0.09 -2.04	44.62 0.20 -2.45	49.11 0.21 -2.82	98.51 0.64 -6.89	72.15 0.39 -7.84	53.56 -0.05 -3.66	63.38 -0.12 -4.70	64.62 -0.21 -6.05	44.28 -0.23 -2.82
BROOKHAVEN___DRP 24191	29.52 0.43 0.00	29.01 0.39 0.00	25.50 0.20 0.00	24.21 0.13 0.00	24.91 0.13 0.00	30.28 -0.08 0.00	46.18 -0.68 14.08	27.94 -0.47 28.67	43.19 -0.27 2.54	44.06 0.44 0.00	39.74 0.65 0.00	38.53 0.66 0.18	33.42 1.08 6.21	28.37 1.13 17.65	44.16 1.43 2.65	42.67 1.29 -0.74	43.05 1.25 0.17	30.78 1.43 16.72	21.25 2.77 72.48	22.67 1.91 43.17	50.39 0.60 0.17	57.11 0.01 1.70	45.40 -0.50 12.88	40.34 -0.25 1.10
BROOKLYN_NAVY_YARD 23515	30.08 0.98 0.00	29.51 0.89 0.00	26.03 0.73 0.00	24.72 0.64 0.00	25.44 0.66 0.00	31.13 0.78 0.00	62.20 1.27 0.00	58.38 1.29 0.00	47.21 1.21 0.00	45.31 1.69 0.00	40.78 1.69 0.00	40.08 1.79 -0.24	40.83 2.23 -0.04	50.53 2.73 -2.92	48.23 2.86 0.00	43.25 2.61 0.00	44.65 2.68 0.00	49.08 3.00 0.00	96.95 5.99 0.00	67.83 3.91 0.00	52.19 2.23 0.00	60.75 1.96 0.00	60.38 1.60 0.00	42.70 1.01 0.00
BROOKLYN___ARMY_DRP 323595	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
BROOME_2_LFGE 323671	29.68 -0.07 -0.66	28.98 -0.04 -0.39	25.33 -0.07 -0.09	24.12 0.03 -0.01	24.98 0.03 -0.18	31.49 0.13 -1.01	65.37 0.27 -4.16	62.96 0.28 -5.60	50.63 0.31 -4.33	49.45 0.82 -5.00	42.27 0.64 -2.54	40.86 0.73 -2.07	40.68 0.57 -1.56	47.44 0.51 -2.05	48.25 0.71 -2.17	43.06 0.63 -1.79	44.87 0.75 -2.14	49.26 0.72 -2.47	98.82 1.81 -6.04	71.73 0.93 -6.87	53.38 0.21 -3.20	63.27 0.35 -4.12	64.67 0.58 -5.30	44.34 0.18 -2.47
BROOME___LFGE 323600	29.68 -0.07 -0.66	28.98 -0.04 -0.39	25.33 -0.07 -0.09	24.12 0.03 -0.01	24.98 0.03 -0.18	31.49 0.13 -1.01	65.37 0.27 -4.16	62.96 0.28 -5.60	50.63 0.31 -4.33	49.45 0.82 -5.00	42.27 0.64 -2.54	40.86 0.73 -2.07	40.68 0.57 -1.56	47.44 0.51 -2.05	48.25 0.71 -2.17	43.06 0.63 -1.79	44.87 0.75 -2.14	49.26 0.72 -2.47	98.82 1.81 -6.04	71.73 0.93 -6.87	53.38 0.21 -3.20	63.27 0.35 -4.12	64.67 0.58 -5.30	44.34 0.18 -2.47
BROWNFLS_115KV_TB 3_5 80003	30.24 0.80 -0.34	29.68 0.85 -0.20	26.16 0.80 -0.05	24.72 0.63 -0.01	25.67 0.79 -0.09	32.07 1.20 -0.52	66.26 3.17 -2.15	63.32 3.24 -3.00	50.99 2.72 -2.27	60.94 2.40 -14.92	46.63 1.74 -5.80	40.36 1.28 -1.03	40.31 0.97 -0.79	46.88 0.96 -1.04	47.30 0.84 -1.10	42.29 0.74 -0.91	43.85 0.79 -1.09	48.04 0.71 -1.25	96.19 2.15 -3.07	69.27 1.86 -3.49	53.45 1.86 -1.62	63.64 2.76 -2.09	64.34 2.87 -2.69	44.91 1.96 -1.26
BROWNSV1_27_KV_LOAD 356125	30.37 1.28 0.00	29.79 1.17 0.00	26.27 0.96 0.00	24.94 0.86 0.00	25.68 0.90 0.00	31.45 1.10 0.00	62.94 2.00 0.00	59.09 2.01 0.00	47.80 1.80 0.00	45.89 2.26 0.00	41.32 2.23 0.00	40.63 2.33 -0.24	41.35 2.76 -0.04	48.24 3.35 0.00	48.90 3.53 0.00	43.83 3.19 0.00	45.25 3.28 0.00	49.74 3.66 0.00	98.25 7.28 0.00	68.76 4.83 0.00	52.87 2.91 0.00	61.58 2.79 0.00	61.19 2.41 0.00	43.26 1.56 0.00
BURROWS___LYONSDAL 23803	29.99 0.56 -0.33	29.49 0.67 -0.20	25.98 0.62 -0.05	24.55 0.47 -0.01	25.48 0.61 -0.09	31.89 1.02 -0.51	65.68 2.76 -1.98	62.64 2.81 -2.75	50.34 2.32 -2.03	51.71 2.26 -5.83	43.39 1.85 -2.45	40.57 1.57 -0.95	40.69 1.39 -0.75	47.43 1.56 -0.99	47.88 1.47 -1.05	42.85 1.34 -0.86	44.63 1.62 -1.04	49.09 1.83 -1.19	98.18 4.29 -2.92	70.44 3.20 -3.32	53.86 2.35 -1.55	63.54 2.76 -1.99	63.95 2.61 -2.56	44.60 1.71 -1.20
CAITHNESS_CC_1 323624	29.52 0.42 0.00	29.01 0.38 0.00	25.50 0.20 0.00	24.21 0.13 0.00	24.91 0.13 0.00	30.28 -0.08 14.08	46.13 -0.72 28.68	27.90 -0.51 2.54	43.18 -0.27 0.00	44.05 0.43 0.00	39.78 0.69 0.18	38.55 0.67 6.21	33.45 1.11 17.66	28.37 1.15 2.65	44.17 1.45 -0.74	42.68 1.30 0.17	43.05 1.24 16.73	30.75 1.40 72.52	21.17 2.72 43.19	22.59 1.86 0.17	50.38 0.59 1.70	57.09 -0.01 12.88	45.37 -0.52 1.10	40.34 -0.26 0.00
CALPINE BETH_PAGE_GT4 24209	29.79 0.70 0.00	29.29 0.67 0.00	25.77 0.47 0.00	24.46 0.38 0.00	25.16 0.38 0.00	30.60 0.24 10.92	49.81 -0.21 22.44	34.64 0.00 2.00	44.15 0.16 0.00	44.42 0.81 0.00	40.05 0.96 -0.24	39.38 1.08 -0.04	40.09 1.50 0.97	45.73 1.81 0.00	47.42 2.05 0.00	43.40 1.84 -0.92	43.98 1.85 -0.15	35.19 2.04 12.93	38.82 3.96 56.11	33.19 2.61 33.34	51.10 1.27 0.13	58.27 0.79 1.31	49.15 0.32 9.94	41.08 0.20 0.81
CALPINE_BETH_PAGE_GT_4 323586	29.79 0.70 0.00	29.29 0.67 0.00	25.77 0.47 0.00	24.46 0.38 0.00	25.16 0.38 0.00	30.60 0.24 10.92	49.80 -0.22 22.44	34.62 -0.02 2.00	44.16 0.16 0.00	44.42 0.80 0.00	40.08 0.99 0.00	39.38 1.09 -0.24	40.09 1.50 -0.04	45.73 1.82 0.97	47.42 2.05 0.00	43.40 1.84 -0.92	43.98 1.85 -0.15	35.19 2.04 12.93	38.81 3.95 56.11	33.18 2.60 33.34	51.11 1.28 0.13	58.27 0.78 1.31	49.14 0.30 9.94	41.08 0.20 0.81
CALPINE_BP_GT1 23823	29.79 0.70 0.00	29.29 0.67 0.00	25.77 0.47 0.00	24.46 0.38 0.00	25.16 0.38 0.00	30.60 0.24 10.92	49.80 -0.22 22.44	34.62 -0.02 2.00	44.16 0.16 0.00	44.42 0.80 0.00	40.08 0.99 0.00	39.38 1.09 -0.24	40.09 1.50 -0.04	45.73 1.82 0.97	47.42 2.05 0.00	43.40 1.84 -0.92	43.98 1.85 -0.15	35.19 2.04 12.93	38.81 3.95 56.11	33.18 2.60 33.34	51.11 1.28 0.13	58.27 0.78 1.31	49.14 0.30 9.94	41.08 0.20 0.81
CALSPAN___DRP 24200	29.76 0.13 -0.54	28.91 -0.03 -0.32	25.39 0.01 -0.08	24.44 0.35 -0.01	25.26 0.33 -0.15	31.76 0.58 -0.82	65.09 0.74 -3.41	62.34 0.69 -4.57	50.73 1.19 -3.54	50.10 2.39 -4.09	43.45 2.28 -2.08	42.25 2.50 -1.69	41.78 1.95 -1.27	48.23 1.67 -1.67	49.33 2.19 -1.77	43.88 1.77 -1.46	45.37 1.64 -1.76	49.54 1.44 -2.02	99.38 3.46 -4.95	71.27 1.71 -5.63	52.95 0.36 -2.62	63.37 1.20 -3.38	64.71 1.59 -4.34	45.18 1.46 -2.03



CALVERTON___SOLAR 323806	29.56 0.47 0.00	29.04 0.42 0.00	25.53 0.22 0.00	24.24 0.16 0.00	24.94 0.16 0.00	30.31 -0.04 0.00	46.22 -0.65 14.07	27.98 -0.45 28.66	43.24 -0.22 2.54	44.09 0.47 0.00	39.81 0.71 0.00	38.56 0.66 0.16	33.70 1.06 5.91	28.91 1.09 17.07	44.26 1.41 2.52	42.67 1.29 -0.74	43.07 1.27 0.17	30.81 1.45 16.72	21.32 2.82 72.47	22.70 1.93 43.16	50.42 0.62 0.17	57.15 0.05 1.70	45.43 -0.48 12.87	40.34 -0.25 1.10
CANDIGU_WT_PWR 323617	29.45 -0.29 -0.64	28.74 -0.26 -0.38	25.14 -0.25 -0.09	24.12 0.03 -0.01	25.09 0.14 -0.18	31.72 0.39 -0.98	65.55 0.56 -4.05	62.95 0.41 -5.46	50.79 0.56 -4.23	49.91 1.40 -4.89	42.69 1.12 -2.48	41.40 1.33 -2.02	41.00 0.93 -1.52	47.46 0.58 -1.99	48.47 1.00 -2.11	43.34 0.96 -1.74	45.10 1.04 -2.08	49.16 0.69 -2.40	99.49 2.66 -5.87	71.92 1.32 -6.68	53.36 0.29 -3.11	63.62 0.83 -4.00	65.19 1.26 -5.15	44.81 0.71 -2.40
CARR STREET_E_SYR 24060	29.57 -0.41 -0.89	28.73 -0.43 -0.53	25.03 -0.39 -0.12	23.77 -0.33 -0.02	24.68 -0.34 -0.24	31.36 -0.34 -1.35	65.95 -0.60 -5.61	64.18 -0.44 -7.54	51.60 -0.25 -5.86	50.97 0.06 -7.28	42.76 0.05 -3.62	40.92 0.06 -2.80	40.62 -0.03 -2.10	47.53 -0.11 -2.75	48.26 -0.03 -2.92	43.03 -0.01 -2.40	44.94 0.08 -2.89	49.45 0.04 -3.32	99.40 0.30 -8.13	73.28 0.10 -9.25	54.02 -0.26 -4.31	63.97 -0.37 -5.55	65.53 -0.39 -7.14	44.66 -0.36 -3.33
CARTHAGE___PAPER 23857	30.69 0.92 -0.67	30.06 1.04 -0.40	26.42 1.03 -0.09	24.82 0.72 -0.01	25.95 0.99 -0.18	32.98 1.61 -1.02	69.34 4.25 -4.16	67.05 4.32 -5.65	53.93 3.61 -4.32	57.66 3.41 -10.62	46.31 2.64 -4.58	42.10 2.01 -2.04	41.77 1.67 -1.55	48.80 1.88 -2.04	49.22 1.69 -2.16	44.11 1.68 -1.78	46.25 2.14 -2.14	50.90 2.36 -2.46	102.99 5.99 -6.03	75.37 4.59 -6.86	56.71 3.55 -3.20	67.29 4.38 -4.11	68.22 4.15 -5.29	46.86 2.69 -2.47
CASSADAGA_WT_PWR 323784	29.72 0.07 -0.55	29.07 0.12 -0.32	25.54 0.16 -0.08	24.59 0.50 -0.01	25.48 0.56 -0.15	32.05 0.86 -0.83	65.80 1.41 -3.45	63.66 1.96 -4.61	51.78 2.20 -3.58	51.17 3.42 -4.14	44.18 2.99 -2.10	42.96 3.19 -1.71	42.37 2.53 -1.28	48.86 2.29 -1.69	49.94 2.78 -1.80	44.33 2.20 -1.48	46.00 2.25 -1.78	50.30 2.18 -2.05	101.26 5.28 -5.01	72.58 2.95 -5.70	53.91 1.28 -2.66	64.46 2.25 -3.42	65.93 2.75 -4.40	45.61 1.86 -2.05
CE_DUNWOOD___DRP 24194	29.93 0.83 0.00	29.38 0.76 0.00	25.91 0.61 0.00	24.62 0.54 0.00	25.32 0.54 0.00	30.99 0.64 0.00	62.07 1.13 0.00	58.20 1.12 0.00	46.98 0.98 0.00	45.05 1.43 0.00	40.55 1.46 0.00	39.84 1.55 -0.24	40.51 1.92 -0.04	47.26 2.38 0.00	47.87 2.50 0.00	42.90 2.25 0.00	44.30 2.33 0.00	48.73 2.65 0.00	96.29 5.32 0.00	67.40 3.47 0.00	51.87 1.91 0.00	60.41 1.61 0.00	60.09 1.31 0.00	42.51 0.81 0.00
CE_MILLWOOD___DRP 24193	29.87 0.77 0.00	29.33 0.70 0.00	25.86 0.56 0.00	24.58 0.50 0.00	25.28 0.50 0.00	30.94 0.58 0.00	61.96 1.02 0.00	58.11 1.02 0.00	46.88 0.88 0.00	44.95 1.33 0.00	40.44 1.35 0.00	39.73 1.44 -0.24	40.40 1.80 -0.04	47.13 2.24 0.00	47.73 2.36 0.00	42.77 2.13 0.00	44.17 2.20 0.00	48.60 2.52 0.00	96.07 5.10 0.00	67.23 3.31 0.00	51.75 1.79 0.00	60.28 1.48 0.00	59.97 1.19 0.00	42.43 0.73 0.00
CE_NYC2_DRP 24202	30.18 1.09 0.00	29.61 0.98 0.00	26.10 0.80 0.00	24.78 0.70 0.00	25.49 0.72 0.00	31.22 0.87 0.00	62.41 1.48 0.00	58.71 1.62 0.00	47.49 1.49 0.00	45.60 1.97 0.00	41.06 1.96 -0.01	40.35 2.05 -0.25	41.05 2.45 -0.05	47.88 2.99 -0.01	48.48 3.11 0.00	43.47 2.82 0.00	44.83 2.86 0.00	49.26 3.18 0.00	97.03 6.06 0.00	67.88 3.95 0.00	52.28 2.31 0.00	60.85 2.06 0.00	60.49 1.71 0.00	42.79 1.09 0.00
CE_NYC_DRP 24195	30.15 1.06 0.00	29.59 0.97 0.00	26.09 0.78 0.00	24.78 0.70 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.40 1.46 0.00	58.57 1.48 0.00	47.34 1.34 0.00	45.47 1.85 0.00	40.95 1.86 0.00	40.25 1.95 -0.24	40.97 2.37 -0.04	47.79 2.90 0.00	48.41 3.04 0.00	43.40 2.75 0.00	44.78 2.81 0.00	49.20 3.12 0.00	97.18 6.21 0.00	67.99 4.06 0.00	52.30 2.34 0.00	60.88 2.09 0.00	60.54 1.76 0.00	42.81 1.12 0.00
CHAFFEE___LFGE 323603	29.82 0.18 -0.55	28.97 0.03 -0.32	25.44 0.06 -0.08	24.48 0.39 -0.01	25.29 0.36 -0.15	31.82 0.64 -0.83	65.26 0.89 -3.44	62.58 0.89 -4.61	50.91 1.35 -3.57	50.27 2.52 -4.13	43.56 2.37 -2.09	42.34 2.58 -1.71	41.87 2.04 -1.28	48.38 1.81 -1.68	49.50 2.34 -1.79	44.03 1.91 -1.47	45.57 1.82 -1.77	49.74 1.62 -2.04	99.73 3.77 -4.99	71.58 1.99 -5.67	53.18 0.57 -2.65	63.60 1.40 -3.40	64.92 1.76 -4.38	45.26 1.52 -2.04
CHATEAUG_35_KV_LOAD 355732	30.33 1.23 0.00	29.79 1.17 0.00	26.30 1.00 0.00	24.99 0.91 0.00	25.71 0.93 0.00	31.35 1.00 0.00	62.93 2.00 0.00	58.82 1.74 0.00	47.42 1.42 0.00	47.50 1.19 -2.69	41.05 0.97 -0.99	38.66 0.61 0.00	38.77 0.22 0.00	44.68 -0.21 0.00	44.69 -0.67 0.00	39.98 -0.66 0.00	41.34 -0.63 0.00	45.42 -0.66 0.00	89.79 -1.18 0.00	63.36 -0.56 0.00	50.03 0.06 0.00	59.42 0.62 0.00	60.27 1.49 0.00	43.19 1.49 0.00
CHATEAUG_WT_PWR 323614	30.28 1.19 0.00	29.74 1.12 0.00	26.27 0.97 0.00	24.95 0.87 0.00	25.66 0.88 0.00	31.29 0.93 0.00	62.74 1.81 0.00	58.59 1.51 0.00	47.24 1.24 0.00	45.78 1.11 -1.05	40.40 0.93 -0.39	38.64 0.58 0.00	38.78 0.22 0.00	44.67 -0.22 0.00	44.63 -0.74 0.00	39.92 -0.72 0.00	41.23 -0.74 0.00	45.30 -0.78 0.00	89.54 -1.43 0.00	63.11 -0.81 0.00	49.77 -0.19 0.00	59.16 0.36 0.00	60.01 1.23 0.00	42.99 1.30 0.00
CHAT_HIGH_FALL_HYD 323578	30.33 1.23 0.00	29.79 1.17 0.00	26.30 1.00 0.00	24.99 0.91 0.00	25.71 0.93 0.00	31.35 1.00 0.00	62.93 2.00 0.00	58.82 1.74 0.00	47.42 1.42 0.00	47.50 1.19 -2.69	41.05 0.97 -0.99	38.66 0.61 0.00	38.77 0.22 0.00	44.68 -0.21 0.00	44.69 -0.67 0.00	39.98 -0.66 0.00	41.34 -0.63 0.00	45.42 -0.66 0.00	89.79 -1.18 0.00	63.36 -0.56 0.00	50.03 0.06 0.00	59.42 0.62 0.00	60.27 1.49 0.00	43.19 1.49 0.00
CHAUTAUQUA___LFGE 323629	29.62 -0.02 -0.55	28.92 -0.03 -0.32	25.39 0.01 -0.08	24.44 0.35 -0.01	25.30 0.37 -0.15	31.83 0.65 -0.83	65.34 0.96 -3.44	62.68 1.01 -4.58	50.84 1.29 -3.55	50.30 2.58 -4.11	43.40 2.23 -2.08	42.22 2.47 -1.70	41.71 1.88 -1.27	48.13 1.57 -1.68	49.22 2.06 -1.79	43.74 1.62 -1.47	45.41 1.66 -1.77	49.65 1.53 -2.04	100.22 4.26 -4.99	71.79 2.18 -5.68	53.28 0.67 -2.65	63.77 1.57 -3.40	65.32 2.16 -4.38	45.19 1.45 -2.05
CHERRYST_13_KV_LD 356241	30.23 1.13 0.00	29.65 1.03 0.00	26.15 0.85 0.00	24.84 0.76 0.00	25.56 0.78 0.00	31.29 0.93 0.00	62.60 1.66 0.00	58.75 1.67 0.00	47.53 1.53 0.00	45.65 2.03 0.00	41.12 2.02 0.00	40.40 2.11 -0.24	41.14 2.55 -0.04	47.99 3.10 0.00	48.63 3.26 0.00	43.59 2.95 0.00	44.98 3.00 0.00	49.41 3.33 0.00	97.54 6.57 0.00	68.23 4.30 0.00	52.47 2.50 0.00	61.09 2.30 0.00	60.72 1.94 0.00	42.94 1.24 0.00



CHESTROR_138KV_BK263 355645	29.64 0.55 0.00	29.12 0.50 0.00	25.71 0.40 0.00	24.43 0.36 0.00	25.13 0.35 0.00	30.76 0.41 0.00	61.63 0.70 0.00	57.78 0.70 0.00	46.56 0.56 0.00	44.59 0.97 0.00	40.06 0.97 0.00	39.29 1.03 -0.21	39.93 1.34 -0.04	46.59 1.70 0.00	47.19 1.82 0.00	42.27 1.63 0.00	43.67 1.70 0.00	48.06 1.99 0.00	95.09 4.12 0.00	66.59 2.67 0.00	51.31 1.35 0.00	59.85 1.05 0.00	59.61 0.83 0.00	42.17 0.48 0.00
CH_MIDHUDSON___DRP 24192	29.79 0.69 0.00	29.28 0.66 0.00	25.85 0.54 0.00	24.57 0.49 0.00	25.26 0.48 0.00	30.91 0.56 0.00	61.90 0.97 0.00	58.04 0.96 0.00	46.80 0.80 0.00	44.83 1.20 0.00	40.29 1.20 0.00	39.51 1.23 -0.23	40.13 1.54 -0.04	46.90 2.01 0.00	47.43 2.06 0.00	42.52 1.88 0.00	43.94 1.96 0.00	48.36 2.28 0.00	95.54 4.57 0.00	66.96 3.04 0.00	51.62 1.66 0.00	60.17 1.37 0.00	59.86 1.08 0.00	42.36 0.67 0.00
CH_MISC_IPPS 23765	29.95 0.86 0.00	29.45 0.83 0.00	25.98 0.68 0.00	24.70 0.62 0.00	25.39 0.61 0.00	31.08 0.72 0.00	62.30 1.36 0.00	58.42 1.34 0.00	47.12 1.12 0.00	45.15 1.53 0.00	40.58 1.49 0.00	39.77 1.49 -0.22	40.42 1.83 -0.04	47.21 2.32 0.00	47.77 2.40 0.00	42.85 2.21 0.00	44.28 2.30 0.00	48.74 2.66 0.00	96.34 5.38 0.00	67.50 3.57 0.00	52.02 2.06 0.00	60.63 1.83 0.00	60.29 1.51 0.00	42.65 0.95 0.00
CH_RES_BVR_FALLS 23983	28.86 -0.23 0.00	28.49 -0.13 0.00	25.25 -0.05 0.00	24.05 -0.02 0.00	24.73 -0.05 0.00	30.30 -0.06 0.00	61.03 0.09 0.00	57.23 0.14 0.00	46.16 0.16 0.00	42.99 -0.02 0.61	38.84 -0.03 0.22	38.00 -0.06 0.00	38.43 -0.12 0.00	44.69 -0.20 0.00	45.11 -0.25 0.00	40.42 -0.23 0.00	41.72 -0.26 0.00	45.78 -0.30 0.00	90.38 -0.59 0.00	63.57 -0.35 0.00	49.93 -0.03 0.00	58.96 0.16 0.00	59.05 0.27 0.00	41.91 0.22 0.00
CH_RES_NIAGARA 23895	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.01 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.25 -1.00 -3.31	60.22 -1.30 -4.44	49.19 -0.24 -3.44	48.72 1.13 -3.98	42.53 1.42 -2.02	41.30 1.61 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.67 -1.42	44.15 0.47 -1.71	48.18 0.14 -1.96	95.58 -0.20 -4.80	68.60 -0.79 -5.46	51.19 -1.32 -2.55	61.27 -0.80 -3.28	62.59 -0.40 -4.21	44.47 0.81 -1.97
CH_RES_SYRACUSE 23985	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.23 0.37 -10.24	44.48 0.25 -5.13	42.34 0.23 -4.06	41.65 0.06 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.30 0.52 -11.81	77.64 0.28 -13.43	56.11 -0.12 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
CLINTON_WT_PWR 323605	30.28 1.19 0.00	29.74 1.12 0.00	26.27 0.97 0.00	24.95 0.87 0.00	25.66 0.88 0.00	31.29 0.93 0.00	62.74 1.81 0.00	58.59 1.51 0.00	47.24 1.24 0.00	45.78 1.11 -1.05	40.40 0.93 -0.39	38.64 0.58 0.00	38.78 0.22 0.00	44.67 -0.22 0.00	44.63 -0.74 0.00	39.92 -0.72 0.00	41.23 -0.74 0.00	45.30 -0.78 0.00	89.54 -1.43 0.00	63.11 -0.81 0.00	49.77 -0.19 0.00	59.16 0.36 0.00	60.01 1.23 0.00	42.99 1.30 0.00
CLINTON___LFGE 323618	30.90 1.81 0.00	30.33 1.71 0.00	26.76 1.46 0.00	25.39 1.31 0.00	26.09 1.31 0.00	31.73 1.38 0.00	63.59 2.66 0.00	59.29 2.21 0.00	47.80 1.80 0.00	47.13 1.89 -1.62	41.32 1.63 -0.59	39.16 1.11 0.00	39.17 0.62 0.00	44.88 -0.01 0.00	44.60 -0.77 0.00	39.89 -0.76 0.00	41.27 -0.70 0.00	45.44 -0.64 0.00	89.88 -1.09 0.00	63.41 -0.52 0.00	49.89 -0.07 0.00	59.34 0.54 0.00	60.55 1.77 0.00	43.54 1.84 0.00
COBBLENY_34_KV_TB1 80064	29.82 0.18 -0.55	28.98 0.03 -0.32	25.44 0.06 -0.08	24.48 0.39 -0.01	25.29 0.36 -0.15	31.82 0.63 -0.83	65.28 0.90 -3.44	62.58 0.88 -4.61	50.91 1.34 -3.57	50.27 2.52 -4.13	43.57 2.39 -2.09	42.34 2.58 -1.71	41.87 2.03 -1.28	48.37 1.80 -1.68	49.50 2.34 -1.79	44.04 1.92 -1.47	45.57 1.82 -1.77	49.74 1.62 -2.04	99.76 3.81 -4.99	71.57 1.97 -5.67	53.20 0.59 -2.65	63.60 1.40 -3.40	64.91 1.75 -4.38	45.26 1.52 -2.04
COFFEEN___115KV_TB3 355620	30.95 1.06 -0.80	30.25 1.16 -0.48	26.56 1.14 -0.11	24.92 0.82 -0.02	26.11 1.11 -0.22	33.37 1.80 -1.22	70.60 4.67 -4.99	68.59 4.74 -6.76	55.19 4.00 -5.19	58.24 3.93 -10.69	46.86 3.02 -4.75	42.83 2.32 -2.46	42.28 1.87 -1.86	49.49 2.16 -2.45	49.89 1.93 -2.60	44.76 1.98 -2.14	47.05 2.51 -2.57	51.86 2.82 -2.96	105.83 7.62 -7.24	77.90 5.74 -8.23	58.09 4.29 -3.84	68.86 5.13 -4.94	69.86 4.72 -6.35	47.69 3.03 -2.96
COLDSPRG_115KV_BK1 355956	30.05 0.41 -0.55	29.29 0.34 -0.33	25.72 0.34 -0.08	24.73 0.64 -0.01	25.60 0.67 -0.15	32.26 1.07 -0.84	66.39 1.98 -3.48	64.26 2.51 -4.66	52.19 2.58 -3.61	51.49 3.69 -4.18	44.46 3.25 -2.12	43.19 3.42 -1.73	42.47 2.62 -1.30	48.89 2.31 -1.70	49.94 2.76 -1.81	44.29 2.15 -1.50	45.91 2.14 -1.80	50.18 2.04 -2.07	100.99 4.97 -5.05	72.52 2.86 -5.74	53.93 1.29 -2.68	64.46 2.22 -3.44	65.97 2.77 -4.43	45.62 1.86 -2.07
COLONIE_LFGE___ 323577	29.52 0.42 0.00	29.08 0.45 0.00	25.72 0.42 0.00	24.45 0.37 0.00	25.15 0.37 0.00	30.72 0.36 0.00	61.60 0.66 0.00	57.54 0.46 0.00	46.25 0.25 0.00	44.09 0.47 0.00	39.54 0.45 0.00	38.20 0.46 0.31	39.18 0.68 0.05	45.85 0.97 0.00	46.15 0.78 0.00	41.34 0.70 0.00	42.73 0.75 0.00	46.95 0.87 0.00	92.51 1.54 0.00	65.12 1.19 0.00	50.73 0.77 0.00	59.21 0.41 0.00	58.91 0.13 0.00	41.94 0.25 0.00
COOPERNY_115KV_TB1 80082	29.44 0.34 0.00	28.94 0.31 0.00	25.56 0.26 0.00	24.31 0.23 0.00	25.00 0.22 0.00	30.60 0.25 0.00	61.35 0.42 0.00	57.53 0.45 0.00	46.35 0.35 0.00	44.31 0.69 0.00	39.79 0.70 0.00	38.95 0.75 -0.14	39.56 0.98 -0.03	46.10 1.22 0.00	46.69 1.32 0.00	41.82 1.18 0.00	43.21 1.24 0.00	47.51 1.43 0.00	93.90 2.93 0.00	65.81 1.88 0.00	50.86 0.90 0.00	59.48 0.68 0.00	59.31 0.53 0.00	41.98 0.28 0.00
COPENHAGEN_WT_PWR 323753	30.49 0.56 -0.84	29.81 0.69 -0.50	26.19 0.77 -0.12	24.50 0.40 -0.02	25.72 0.71 -0.23	32.93 1.31 -1.27	69.82 3.67 -5.21	67.93 3.79 -7.06	54.66 3.24 -5.42	57.49 3.17 -10.71	46.31 2.43 -4.79	42.47 1.85 -2.57	41.96 1.46 -1.95	49.10 1.66 -2.56	49.54 1.46 -2.71	44.41 1.54 -2.24	46.66 2.00 -2.68	51.48 2.31 -3.09	104.73 6.19 -7.56	77.18 4.65 -8.60	57.44 3.47 -4.01	68.15 4.20 -5.16	69.29 3.88 -6.64	47.27 2.48 -3.10
CORNELL_____ 23752	30.35 0.40 -0.86	29.51 0.38 -0.51	25.72 0.30 -0.12	24.45 0.35 -0.02	25.38 0.37 -0.23	32.25 0.59 -1.30	67.67 1.29 -5.43	65.61 1.22 -7.30	52.73 1.09 -5.65	51.61 1.46 -6.53	43.55 1.15 -3.31	41.96 1.21 -2.70	41.60 1.02 -2.03	48.54 0.99 -2.67	49.44 1.25 -2.82	44.24 1.27 -2.33	46.20 1.43 -2.80	50.86 1.56 -3.22	102.36 3.51 -7.87	75.11 2.23 -8.96	55.42 1.28 -4.18	65.64 1.48 -5.37	67.20 1.51 -6.91	45.78 0.86 -3.23



CORONA V_69_KV_TB1 355595	30.10 1.00 0.00	29.57 0.95 0.00	26.02 0.72 0.00	24.70 0.63 0.00	25.42 0.65 0.00	30.93 0.58 0.00	61.48 0.64 0.10	55.95 0.69 1.83	46.49 0.71 0.22	44.94 1.32 0.00	40.54 1.45 0.00	39.86 1.57 -0.24	40.60 2.00 -0.04	69.44 2.51 -22.05	48.10 2.74 0.00	44.44 2.45 -1.35	45.51 2.48 -1.06	49.11 2.78 -0.25	96.93 5.42 -0.53	68.44 3.61 -0.91	52.04 2.09 0.01	60.56 1.73 -0.04	60.26 1.21 -0.27	42.48 0.80 0.02
CORTLAND_115KV_TB3 80093	30.08 0.14 -0.85	29.27 0.14 -0.51	25.52 0.10 -0.12	24.25 0.15 -0.02	25.17 0.16 -0.23	31.95 0.30 -1.29	67.15 0.69 -5.52	65.91 2.03 -6.79	54.24 1.70 -6.54	53.76 1.99 -8.14	44.34 1.18 -4.06	42.27 1.05 -3.17	41.64 1.20 -1.89	48.69 1.32 -2.48	49.39 1.40 -2.63	44.10 1.29 -2.17	46.05 1.47 -2.60	50.70 1.63 -3.00	102.00 3.71 -7.33	74.88 2.62 -8.34	55.54 1.70 -3.88	65.62 1.83 -5.00	66.90 1.69 -6.43	45.74 1.05 -3.00
COXSACKIE__GT 23611	29.94 0.84 0.00	29.44 0.82 0.00	26.01 0.71 0.00	24.74 0.66 0.00	25.44 0.66 0.00	31.18 0.82 0.00	62.64 1.70 0.00	58.64 1.55 0.00	46.87 0.88 0.00	44.25 0.64 0.00	39.87 0.77 0.00	38.84 0.87 0.08	39.30 0.76 0.01	45.66 0.78 0.00	45.98 0.61 0.00	41.34 0.69 0.00	43.15 1.17 0.00	47.48 1.40 0.00	93.60 2.62 0.00	65.86 1.93 0.00	51.13 1.17 0.00	59.65 0.85 0.00	59.35 0.57 0.00	42.12 0.42 0.00
CPV_VALLEY__CC1 323721	29.45 0.36 0.00	28.94 0.32 0.00	25.56 0.25 0.00	24.29 0.21 0.00	24.98 0.21 0.00	30.56 0.21 0.00	61.26 0.32 0.00	57.43 0.35 0.00	46.28 0.28 0.00	44.29 0.67 0.00	39.80 0.71 0.00	39.02 0.78 -0.18	39.65 1.06 -0.03	46.25 1.36 0.00	46.82 1.46 0.00	41.96 1.31 0.00	43.33 1.36 0.00	47.67 1.60 0.00	94.27 3.30 0.00	66.02 2.10 0.00	50.92 0.95 0.00	59.43 0.64 0.00	59.20 0.42 0.00	41.90 0.21 0.00
CPV_VALLEY__CC2 323722	29.45 0.36 0.00	28.94 0.32 0.00	25.56 0.25 0.00	24.29 0.21 0.00	24.98 0.21 0.00	30.56 0.21 0.00	61.26 0.32 0.00	57.43 0.35 0.00	46.28 0.28 0.00	44.29 0.67 0.00	39.80 0.71 0.00	39.02 0.78 0.00	39.65 1.06 0.00	46.25 1.36 0.00	46.82 1.46 0.00	41.96 1.31 0.00	43.33 1.36 0.00	47.67 1.60 0.00	94.27 3.30 0.00	66.02 2.10 0.00	50.92 0.95 0.00	59.43 0.64 0.00	59.20 0.42 0.00	41.90 0.21 0.00
CRESCENT__HYD 24018	29.52 0.42 0.00	29.08 0.45 0.00	25.72 0.42 0.00	24.45 0.37 0.00	25.15 0.37 0.00	30.72 0.36 0.00	61.60 0.66 0.00	57.54 0.46 0.00	46.25 0.25 0.00	44.09 0.47 0.00	39.54 0.45 0.00	38.20 0.46 0.31	39.18 0.68 0.05	45.85 0.97 0.00	46.15 0.78 0.00	41.34 0.70 0.00	42.73 0.75 0.00	46.95 0.87 0.00	92.51 1.54 0.00	65.12 1.19 0.00	50.73 0.77 0.00	59.21 0.41 0.00	58.91 0.13 0.00	41.94 0.25 0.00
CRICKET__VALLEY_CC1 323756	29.40 0.31 0.00	28.92 0.29 0.00	25.54 0.24 0.00	24.28 0.20 0.00	24.96 0.18 0.00	30.52 0.17 0.00	61.05 0.11 0.00	57.13 0.04 0.00	46.01 0.01 0.00	44.04 0.42 0.00	39.60 0.51 0.00	34.52 0.55 4.08	38.73 0.87 0.70	46.17 1.28 0.00	46.61 1.24 0.00	41.77 1.12 0.00	43.15 1.17 0.00	47.56 1.48 0.00	93.92 2.95 0.00	65.85 1.93 0.00	50.84 0.88 0.00	59.16 0.37 0.00	58.81 0.03 0.00	41.65 -0.04 0.00
CRICKET__VALLEY_CC2 323757	29.40 0.31 0.00	28.92 0.29 0.00	25.54 0.24 0.00	24.28 0.20 0.00	24.96 0.18 0.00	30.52 0.17 0.00	61.05 0.11 0.00	57.13 0.04 0.00	46.01 0.01 0.00	44.04 0.42 0.00	39.60 0.51 0.00	34.52 0.55 4.08	38.73 0.87 0.70	46.17 1.28 0.00	46.61 1.24 0.00	41.77 1.12 0.00	43.15 1.17 0.00	47.56 1.48 0.00	93.92 2.95 0.00	65.85 1.93 0.00	50.84 0.88 0.00	59.16 0.37 0.00	58.81 0.03 0.00	41.65 -0.04 0.00
CRICKET__VALLEY_CC3 323758	29.40 0.31 0.00	28.92 0.29 0.00	25.54 0.24 0.00	24.28 0.20 0.00	24.96 0.18 0.00	30.52 0.17 0.00	61.05 0.11 0.00	57.13 0.04 0.00	46.01 0.01 0.00	44.04 0.42 0.00	39.60 0.51 0.00	34.52 0.55 4.08	38.73 0.87 0.70	46.17 1.28 0.00	46.61 1.24 0.00	41.77 1.12 0.00	43.15 1.17 0.00	47.56 1.48 0.00	93.92 2.95 0.00	65.85 1.93 0.00	50.84 0.88 0.00	59.16 0.37 0.00	58.81 0.03 0.00	41.65 -0.04 0.00
CRUCIBLE_METL_DRP 24180	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.22 0.36 -10.24	44.48 0.26 -5.13	42.34 0.23 -4.06	41.65 0.05 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.32 0.54 -11.81	77.63 0.27 -13.43	56.12 -0.11 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
DAHOWA__HYDRO 323763	30.08 0.98 0.00	29.63 1.01 0.00	26.21 0.90 0.00	24.91 0.83 0.00	25.61 0.83 0.00	31.27 0.92 0.00	62.81 1.88 0.00	58.70 1.62 0.00	47.13 1.13 0.00	45.00 1.38 0.00	40.35 1.26 0.00	39.00 1.20 0.26	39.93 1.43 0.04	46.69 1.81 0.00	47.00 1.63 0.00	42.04 1.40 0.00	43.53 1.56 0.00	47.92 1.84 0.00	94.72 3.75 0.00	66.73 2.80 0.00	51.97 2.01 0.00	60.65 1.86 0.00	60.16 1.38 0.00	42.75 1.06 0.00
DANC__LFGE 323619	30.34 0.21 -1.03	29.53 0.30 -0.61	25.81 0.36 -0.14	24.24 0.14 -0.02	25.40 0.34 -0.28	32.64 0.72 -1.56	69.55 2.18 -6.43	68.06 2.30 -8.68	54.69 2.00 -6.69	56.48 2.05 -10.81	45.69 1.56 -5.04	42.40 1.17 -3.18	41.85 0.88 -2.40	49.00 0.95 -3.16	49.55 0.84 -3.35	44.30 0.90 -2.76	46.51 1.23 -3.31	51.25 1.36 -3.82	104.18 3.88 -9.33	77.47 2.92 -10.62	57.00 2.08 -4.95	67.76 2.60 -6.37	69.33 2.35 -8.19	46.98 1.46 -3.82
DANSKAMMER__1 23586	29.95 0.86 0.00	29.45 0.83 0.00	25.98 0.68 0.00	24.70 0.62 0.00	25.39 0.61 0.00	31.08 0.72 0.00	62.30 1.36 0.00	58.42 1.34 0.00	47.12 1.12 0.00	45.15 1.53 0.00	40.58 1.49 0.00	39.77 1.49 -0.22	40.42 1.83 -0.04	47.21 2.32 0.00	47.77 2.40 0.00	42.85 2.21 0.00	44.28 2.30 0.00	48.74 2.66 0.00	96.34 5.38 0.00	67.50 3.57 0.00	52.02 2.06 0.00	60.63 1.83 0.00	60.29 1.51 0.00	42.65 0.95 0.00
DANSKAMMER__2 23589	29.95 0.86 0.00	29.45 0.83 0.00	25.98 0.68 0.00	24.70 0.62 0.00	25.39 0.61 0.00	31.08 0.72 0.00	62.30 1.36 0.00	58.42 1.34 0.00	47.12 1.12 0.00	45.15 1.53 0.00	40.58 1.49 0.00	39.77 1.49 -0.22	40.42 1.83 -0.04	47.21 2.32 0.00	47.77 2.40 0.00	42.85 2.21 0.00	44.28 2.30 0.00	48.74 2.66 0.00	96.34 5.38 0.00	67.50 3.57 0.00	52.02 2.06 0.00	60.63 1.83 0.00	60.29 1.51 0.00	42.65 0.95 0.00
DANSKAMMER__3 23590	29.95 0.86 0.00	29.45 0.83 0.00	25.98 0.68 0.00	24.70 0.62 0.00	25.39 0.61 0.00	31.08 0.72 0.00	62.30 1.36 0.00	58.42 1.34 0.00	47.12 1.12 0.00	45.15 1.53 0.00	40.58 1.49 0.00	39.77 1.49 -0.22	40.42 1.83 -0.04	47.21 2.32 0.00	47.77 2.40 0.00	42.85 2.21 0.00	44.28 2.30 0.00	48.74 2.66 0.00	96.34 5.38 0.00	67.50 3.57 0.00	52.02 2.06 0.00	60.63 1.83 0.00	60.29 1.51 0.00	42.65 0.95 0.00



DANSKAMMER___4 23591	29.95 0.86 0.00	29.45 0.83 0.00	25.98 0.68 0.00	24.70 0.62 0.00	25.39 0.61 0.00	31.08 0.72 0.00	62.30 1.36 0.00	58.42 1.34 0.00	47.12 1.12 0.00	45.15 1.53 0.00	40.58 1.49 0.00	39.77 1.49 -0.22	40.42 1.83 -0.04	47.21 2.32 0.00	47.77 2.40 0.00	42.85 2.21 0.00	44.28 2.30 0.00	48.74 2.66 0.00	96.34 5.38 0.00	67.50 3.57 0.00	52.02 2.06 0.00	60.63 1.83 0.00	60.29 1.51 0.00	42.65 0.95 0.00
DANSKAMMER___DIESEL 23592	29.95 0.86 0.00	29.45 0.83 0.00	25.98 0.67 0.00	24.69 0.62 0.00	25.39 0.61 0.00	31.08 0.73 0.00	62.31 1.37 0.00	58.42 1.34 0.00	47.12 1.12 0.00	45.16 1.54 0.00	40.58 1.49 0.00	39.78 1.50 -0.22	40.42 1.83 -0.04	47.21 2.32 0.00	47.77 2.41 0.00	42.85 2.21 0.00	44.28 2.31 0.00	48.74 2.66 0.00	96.36 5.39 0.00	67.50 3.58 0.00	52.02 2.06 0.00	60.63 1.83 0.00	60.30 1.52 0.00	42.65 0.95 0.00
DARBY___SOLAR 323810	29.94 0.85 0.00	29.50 0.88 0.00	26.09 0.78 0.00	24.80 0.72 0.00	25.49 0.71 0.00	31.14 0.79 0.00	62.53 1.59 0.00	58.42 1.34 0.00	46.90 0.90 0.00	44.79 1.17 0.00	40.16 1.07 0.00	38.79 1.00 0.27	39.72 1.21 0.05	46.46 1.58 0.00	46.77 1.40 0.00	41.85 1.20 0.00	43.32 1.35 0.00	47.69 1.61 0.00	94.23 3.26 0.00	66.35 2.42 0.00	51.69 1.72 0.00	60.33 1.53 0.00	59.91 1.13 0.00	42.57 0.87 0.00
DASHVILLE___HYD 23610	29.63 0.54 0.00	29.13 0.51 0.00	25.71 0.41 0.00	24.44 0.36 0.00	25.12 0.35 0.00	30.74 0.39 0.00	61.59 0.65 0.00	57.78 0.69 0.00	46.59 0.59 0.00	44.59 0.97 0.00	40.02 0.93 0.00	39.21 1.02 -0.13	39.90 1.33 -0.02	46.65 1.76 0.00	47.21 1.84 0.00	42.31 1.67 0.00	43.71 1.74 0.00	48.12 2.04 0.00	95.01 4.04 0.00	66.60 2.68 0.00	51.37 1.41 0.00	59.91 1.12 0.00	59.63 0.85 0.00	42.21 0.51 0.00
DELAWARE___LFGE 323621	29.83 0.39 -0.33	29.25 0.43 -0.20	25.71 0.36 -0.05	24.45 0.36 -0.01	25.21 0.34 -0.09	31.30 0.44 -0.51	63.99 0.94 -2.11	60.86 0.94 -2.84	49.00 0.81 -2.20	47.24 1.08 -2.54	41.37 0.98 -1.29	40.11 1.00 -1.05	40.42 1.08 -0.79	47.19 1.27 -1.04	47.82 1.36 -1.10	42.76 1.21 -0.91	44.36 1.30 -1.09	48.75 1.42 -1.25	96.78 2.75 -3.07	69.24 1.83 -3.49	52.56 0.98 -1.63	61.86 0.98 -2.09	62.46 0.99 -2.69	43.55 0.60 -1.26
DERFIELD_115KV_TB7 355931	29.05 -0.05 0.00	28.59 -0.03 0.00	25.28 -0.03 0.00	24.06 -0.02 0.00	24.75 -0.03 0.00	30.32 -0.03 0.00	60.91 -0.03 0.00	57.05 -0.03 0.00	45.96 -0.03 0.00	44.15 0.08 -0.45	39.36 0.10 -0.16	38.15 0.10 0.00	38.70 0.15 0.00	45.11 0.22 0.00	45.58 0.21 0.00	40.85 0.20 0.00	42.20 0.22 0.00	46.36 0.28 0.00	91.50 0.53 0.00	64.29 0.36 0.00	50.08 0.11 0.00	58.80 0.00 0.00	58.70 -0.08 0.00	41.61 -0.08 0.00
DOGLEVILLE___HYD 23807	29.40 0.31 0.00	28.95 0.32 0.00	25.53 0.22 0.00	24.31 0.23 0.00	25.02 0.24 0.00	30.63 0.27 0.00	61.65 0.71 0.00	57.49 0.41 0.00	46.20 0.20 0.00	44.71 0.64 -0.45	39.63 0.38 -0.16	37.91 -0.15 0.00	38.97 0.42 0.00	45.80 0.92 0.00	46.07 0.70 0.00	41.58 0.94 0.00	43.04 1.07 0.00	47.65 1.57 0.00	94.36 3.39 0.00	66.55 2.62 0.00	51.24 1.27 0.00	59.52 0.73 0.00	58.75 -0.04 0.00	41.60 -0.09 0.00
DUNKIRK___115KV_TB_200 55889	29.60 -0.04 -0.55	28.90 -0.05 -0.32	25.36 -0.01 -0.08	24.41 0.32 -0.01	25.27 0.34 -0.15	31.80 0.61 -0.83	65.27 0.90 -3.44	62.55 0.89 -4.58	50.73 1.18 -3.55	50.18 2.46 -4.10	43.32 2.15 -2.08	42.13 2.38 -1.70	41.62 1.79 -1.27	48.03 1.47 -1.68	49.12 1.97 -1.79	43.66 1.54 -1.47	45.33 1.59 -1.77	49.56 1.44 -2.04	100.11 4.15 -4.99	71.65 2.04 -5.68	53.18 0.58 -2.65	63.66 1.46 -3.40	65.20 2.04 -4.38	45.12 1.38 -2.05
DUNKIRK___1 23563	29.60 -0.04 -0.55	28.90 -0.05 -0.32	25.36 -0.01 -0.08	24.41 0.32 -0.01	25.27 0.34 -0.15	31.80 0.61 -0.83	65.27 0.90 -3.44	62.55 0.89 -4.58	50.73 1.18 -3.55	50.18 2.46 -4.10	43.32 2.15 -2.08	42.13 2.38 -1.70	41.62 1.79 -1.27	48.03 1.47 -1.68	49.12 1.97 -1.79	43.66 1.54 -1.47	45.33 1.59 -1.77	49.56 1.44 -2.04	100.11 4.15 -4.99	71.65 2.04 -5.68	53.18 0.58 -2.65	63.66 1.46 -3.40	65.20 2.04 -4.38	45.12 1.38 -2.05
DUNKIRK___2 23564	29.60 -0.04 -0.55	28.90 -0.05 -0.32	25.36 -0.01 -0.08	24.41 0.32 -0.01	25.27 0.34 -0.15	31.80 0.61 -0.83	65.27 0.90 -3.44	62.55 0.89 -4.58	50.73 1.18 -3.55	50.18 2.46 -4.10	43.32 2.15 -2.08	42.13 2.38 -1.70	41.62 1.79 -1.27	48.03 1.47 -1.68	49.12 1.97 -1.79	43.66 1.54 -1.47	45.33 1.59 -1.77	49.56 1.44 -2.04	100.11 4.15 -4.99	71.65 2.04 -5.68	53.18 0.58 -2.65	63.66 1.46 -3.40	65.20 2.04 -4.38	45.12 1.38 -2.05
DUNKIRK___3 23565	29.57 -0.07 -0.55	28.82 -0.12 -0.32	25.30 -0.08 -0.08	24.35 0.26 -0.01	25.19 0.26 -0.15	31.70 0.52 -0.83	65.03 0.66 -3.44	62.28 0.63 -4.57	50.53 0.99 -3.54	49.96 2.24 -4.09	43.17 2.00 -2.08	41.98 2.23 -1.69	41.47 1.65 -1.27	47.86 1.30 -1.67	48.95 1.80 -1.79	43.51 1.39 -1.47	45.14 1.40 -1.77	49.32 1.21 -2.04	99.44 3.49 -4.99	71.21 1.61 -5.67	52.87 0.26 -2.65	63.29 1.10 -3.40	64.81 1.65 -4.38	44.95 1.21 -2.04
DUNKIRK___4 23566	29.57 -0.07 -0.55	28.82 -0.12 -0.32	25.30 -0.08 -0.08	24.35 0.26 -0.01	25.19 0.26 -0.15	31.70 0.52 -0.83	65.03 0.66 -3.44	62.28 0.63 -4.57	50.53 0.99 -3.54	49.96 2.24 -4.09	43.17 2.00 -2.08	41.98 2.23 -1.69	41.47 1.65 -1.27	47.86 1.30 -1.67	48.95 1.80 -1.79	43.51 1.39 -1.47	45.14 1.40 -1.77	49.32 1.21 -2.04	99.44 3.49 -4.99	71.21 1.61 -5.67	52.87 0.26 -2.65	63.29 1.10 -3.40	64.81 1.65 -4.38	44.95 1.21 -2.04
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	29.98 0.89 0.00	29.43 0.80 0.00	25.96 0.66 0.00	24.65 0.57 0.00	25.36 0.59 0.00	31.04 0.69 0.00	62.16 1.22 0.00	58.32 1.23 0.00	47.09 1.10 0.00	45.18 1.56 0.00	40.67 1.58 0.00	39.96 1.67 -0.24	40.64 2.05 -0.04	47.41 2.52 0.00	48.01 2.65 0.00	43.04 2.40 0.00	44.44 2.47 0.00	48.88 2.80 0.00	96.54 5.58 0.00	67.58 3.66 0.00	52.02 2.05 0.00	60.57 1.77 0.00	60.22 1.45 0.00	42.61 0.92 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	29.78 0.69 0.00	29.26 0.64 0.00	25.82 0.52 0.00	24.54 0.47 0.00	25.25 0.47 0.00	30.90 0.54 0.00	61.94 1.00 0.00	58.08 1.00 0.00	46.81 0.82 0.00	44.86 1.24 0.00	40.30 1.21 0.00	39.50 1.24 -0.21	40.17 1.58 -0.04	46.90 2.02 0.00	47.47 2.10 0.00	42.55 1.91 0.00	43.99 2.01 0.00	48.41 2.33 0.00	95.74 4.77 0.00	67.05 3.12 0.00	51.66 1.70 0.00	60.24 1.44 0.00	59.94 1.16 0.00	42.39 0.70 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	30.21 1.12 0.00	29.64 1.02 0.00	26.13 0.83 0.00	24.84 0.75 0.00	25.54 0.77 0.00	31.27 0.91 0.00	62.38 1.44 0.00	58.66 1.57 0.00	47.41 1.41 0.00	45.48 1.86 0.00	40.93 1.83 -0.01	40.20 1.90 -0.25	40.89 2.29 -0.05	47.69 2.80 -0.01	48.34 2.97 0.00	43.34 2.69 0.00	44.71 2.74 0.00	49.19 3.11 0.00	96.93 5.96 0.00	67.86 3.94 0.00	52.28 2.31 0.00	60.88 2.08 0.00	60.50 1.72 0.00	42.84 1.14 0.00



E179THST_13_KV_LOAD 356214	30.34 1.24 0.00	29.76 1.14 0.00	26.24 0.93 0.00	24.93 0.85 0.00	25.64 0.86 0.00	31.39 1.04 0.00	62.66 1.72 0.00	58.93 1.85 0.00	47.63 1.63 0.00	45.71 2.09 0.00	41.15 2.05 -0.01	40.42 2.12 -0.25	41.11 2.51 -0.05	47.93 3.04 -0.01	48.60 3.23 0.00	43.58 2.93 0.00	44.96 2.99 0.00	49.46 3.38 0.00	97.48 6.51 0.00	68.24 4.32 0.00	52.56 2.59 0.00	61.23 2.44 0.00	60.84 2.06 0.00	43.06 1.36 0.00
EAST HAMPTON___GT 23717	30.25 1.15 0.00	29.66 1.04 0.00	26.02 0.72 0.00	24.78 0.70 0.00	25.43 0.65 0.00	30.85 0.49 0.00	47.28 0.41 14.07	28.75 0.32 28.65	43.65 0.19 2.54	44.37 0.75 0.00	40.08 0.99 0.00	38.71 0.84 0.18	33.06 0.76 6.25	27.52 0.34 17.71	43.29 0.58 2.66	42.02 0.64 -0.74	42.45 0.64 0.17	30.19 0.83 16.72	19.93 1.41 72.45	21.70 0.92 43.14	49.64 -0.15 0.17	56.61 -0.49 1.70	44.98 -0.93 12.87	39.99 -0.61 1.10
EAST RIVER___6 23660	30.14 1.05 0.00	29.57 0.94 0.00	26.08 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.18 0.82 0.00	62.31 1.37 0.00	58.44 1.35 0.00	47.25 1.25 0.00	45.40 1.78 0.00	40.92 1.83 0.00	40.22 1.92 -0.24	40.96 2.37 -0.04	47.77 2.89 0.00	48.40 3.04 0.00	43.40 2.76 0.00	44.78 2.80 0.00	49.20 3.12 0.00	97.10 6.13 0.00	67.93 4.00 0.00	52.28 2.32 0.00	60.87 2.07 0.00	60.51 1.73 0.00	42.79 1.09 0.00
EAST RIVER___7 23524	30.14 1.05 0.00	29.57 0.94 0.00	26.08 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.18 0.82 0.00	62.31 1.37 0.00	58.44 1.35 0.00	47.25 1.25 0.00	45.40 1.78 0.00	40.92 1.83 0.00	40.22 1.92 -0.24	40.96 2.37 -0.04	47.77 2.89 0.00	48.40 3.04 0.00	43.40 2.76 0.00	44.78 2.80 0.00	49.20 3.12 0.00	97.10 6.13 0.00	67.93 4.00 0.00	52.28 2.32 0.00	60.87 2.07 0.00	60.51 1.73 0.00	42.79 1.09 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	29.93 0.83 0.00	29.38 0.76 0.00	25.91 0.61 0.00	24.62 0.54 0.00	25.32 0.54 0.00	30.99 0.64 0.00	62.07 1.13 0.00	58.20 1.12 0.00	46.98 0.98 0.00	45.05 1.43 0.00	40.55 1.46 0.00	39.84 1.55 -0.24	40.51 1.92 -0.04	47.26 2.38 0.00	47.87 2.50 0.00	42.90 2.25 0.00	44.30 2.33 0.00	48.73 2.65 0.00	96.29 5.32 0.00	67.40 3.47 0.00	51.87 1.91 0.00	60.41 1.61 0.00	60.09 1.31 0.00	42.51 0.81 0.00
EAST_HAMPTON___DIESEL 23722	30.25 1.15 0.00	29.66 1.04 0.00	26.02 0.72 0.00	24.77 0.69 0.00	25.41 0.63 0.00	30.82 0.47 0.00	47.25 0.38 14.07	28.69 0.26 28.65	43.59 0.13 2.54	44.30 0.68 0.00	40.02 0.93 0.00	38.63 0.76 0.18	32.96 0.65 6.25	27.38 0.19 17.70	43.12 0.41 2.66	41.88 0.49 -0.74	42.30 0.49 0.17	30.03 0.67 16.72	19.60 1.08 72.45	21.49 0.71 43.14	49.47 -0.33 0.17	56.44 -0.66 1.70	44.81 -1.10 12.87	39.89 -0.71 1.10
EAST_POINT___SOLAR 323840	30.55 1.45 0.00	30.01 1.39 0.00	26.52 1.22 0.00	25.26 1.18 0.00	26.00 1.22 0.00	31.99 1.63 0.00	64.64 3.70 0.00	60.57 3.49 0.00	48.84 2.85 0.00	46.26 2.64 0.00	41.07 1.98 0.00	39.31 1.40 0.15	40.17 1.64 0.03	47.18 2.30 0.00	47.97 2.60 0.00	42.78 2.14 0.00	44.45 2.47 0.00	49.02 2.94 0.00	97.45 6.48 0.00	68.63 4.70 0.00	53.35 3.39 0.00	62.64 3.85 0.00	62.48 3.70 0.00	44.16 2.46 0.00
EAST_PULASKI___ESR 323781	30.46 -0.20 -1.57	29.38 -0.18 -0.93	25.40 -0.12 -0.22	23.93 -0.18 -0.03	25.10 -0.10 -0.43	32.79 0.06 -2.37	71.21 0.49 -9.78	70.86 0.59 -13.19	56.76 0.58 -10.17	57.79 0.76 -13.41	46.24 0.58 -6.57	43.30 0.39 -4.85	42.42 0.21 -3.66	49.82 0.12 -4.81	50.56 0.09 -5.10	45.00 0.15 -4.20	47.34 0.32 -5.05	52.23 0.34 -5.81	106.54 1.35 -14.22	81.15 1.05 -16.18	58.08 0.58 -7.54	69.29 0.80 -9.70	71.90 0.64 -12.48	47.83 0.31 -5.82
EAST_RIVER___1 323558	30.15 1.06 0.00	29.59 0.97 0.00	26.09 0.79 0.00	24.78 0.70 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.40 1.46 0.00	58.53 1.45 0.00	47.34 1.34 0.00	45.47 1.84 0.00	40.95 1.86 0.00	40.25 1.95 -0.24	40.96 2.37 -0.04	47.78 2.89 0.00	48.41 3.04 0.00	43.40 2.76 0.00	44.78 2.81 0.00	49.20 3.12 0.00	97.18 6.21 0.00	67.99 4.06 0.00	52.30 2.34 0.00	60.88 2.08 0.00	60.52 1.74 0.00	42.81 1.12 0.00
EAST_RIVER___2 323559	30.14 1.05 0.00	29.57 0.94 0.00	26.08 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.18 0.82 0.00	62.31 1.37 0.00	58.44 1.35 0.00	47.25 1.25 0.00	45.40 1.78 0.00	40.92 1.83 0.00	40.22 1.92 -0.24	40.96 2.37 -0.04	47.77 2.89 0.00	48.40 3.04 0.00	43.40 2.76 0.00	44.78 2.80 0.00	49.20 3.12 0.00	97.10 6.13 0.00	67.93 4.00 0.00	52.28 2.32 0.00	60.87 2.07 0.00	60.51 1.73 0.00	42.79 1.09 0.00
EAST___DELAWARE_HYD 23607	29.08 -0.02 0.00	28.56 -0.06 0.00	25.20 -0.10 0.00	23.95 -0.12 0.00	24.63 -0.15 0.00	30.18 -0.18 0.00	60.55 -0.39 0.00	56.85 -0.23 0.00	45.82 -0.17 0.00	43.87 0.24 0.00	39.34 0.25 0.00	38.45 0.23 -0.17	39.25 0.67 -0.03	45.82 0.94 0.00	46.38 1.01 0.00	41.56 0.92 0.00	43.03 1.06 0.00	47.40 1.32 0.00	93.79 2.82 0.00	65.75 1.82 0.00	50.70 0.74 0.00	59.12 0.32 0.00	58.81 0.03 0.00	41.53 -0.16 0.00
EIGHT_POINT___WT_PWR 323820	29.56 -0.22 -0.69	29.01 -0.02 -0.41	25.46 0.06 -0.10	24.49 0.40 -0.01	25.52 0.55 -0.19	32.34 0.95 -1.04	66.93 1.68 -4.31	64.16 1.26 -5.82	51.92 1.42 -4.50	51.08 2.26 -5.20	43.64 1.90 -2.64	42.30 2.09 -2.15	41.83 1.66 -1.62	48.29 1.29 -2.12	49.37 1.76 -2.24	44.22 1.73 -1.85	45.98 1.79 -2.22	50.10 1.46 -2.56	101.54 4.31 -6.26	73.65 2.61 -7.12	54.53 1.25 -3.32	65.05 1.99 -4.27	66.59 2.32 -5.49	45.80 1.54 -2.56
ELBRIDGE_115KV_TB2 80188	30.16 -0.28 -1.34	29.14 -0.28 -0.80	25.22 -0.27 -0.19	23.90 -0.20 -0.03	24.93 -0.21 -0.37	32.22 -0.17 -2.04	69.06 -0.29 -8.42	68.21 -0.20 -11.32	54.70 -0.07 -8.77	53.99 0.24 -10.14	44.49 0.16 -5.24	42.42 0.18 -4.19	41.77 0.07 -3.15	48.97 -0.05 -4.14	49.80 0.05 -4.38	44.31 0.06 -3.61	46.47 0.15 -4.34	51.28 0.20 -5.00	103.86 0.66 -12.22	78.14 0.31 -13.91	56.35 -0.10 -6.48	66.99 -0.14 -8.34	69.42 -0.09 -10.73	46.58 -0.12 -5.01
ELEC_TRO_TEK 24086	29.90 0.81 0.00	29.37 0.75 0.00	25.85 0.55 0.00	24.55 0.47 0.00	25.26 0.48 0.00	30.77 0.41 0.00	58.44 0.37 2.87	50.50 0.46 7.04	45.85 0.52 0.67	44.75 1.13 0.00	40.38 1.28 0.00	39.68 1.39 -0.24	40.39 1.79 -0.04	54.92 2.21 -7.82	47.81 2.44 0.00	44.11 2.15 -1.32	45.02 2.16 -0.89	45.33 2.40 3.14	81.59 4.64 14.02	59.07 3.06 7.92	51.58 1.66 0.04	59.74 1.26 0.31	57.21 0.79 2.36	41.98 0.50 0.21
ELLENBURG_WT_PWR 323604	30.28 1.19 0.00	29.74 1.12 0.00	26.27 0.97 0.00	24.95 0.87 0.00	25.66 0.88 0.00	31.29 0.93 0.00	62.74 1.81 0.00	58.59 1.51 0.00	47.24 1.24 0.00	45.78 1.11 -1.05	40.40 0.93 -0.39	38.64 0.58 0.00	38.78 0.22 0.00	44.67 -0.22 0.00	44.63 -0.74 0.00	39.92 -0.72 0.00	41.23 -0.74 0.00	45.30 -0.78 0.00	89.54 -1.43 0.00	63.11 -0.81 0.00	49.77 -0.19 0.00	59.16 0.36 0.00	60.01 1.23 0.00	42.99 1.30 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	29.65 0.02 -0.54	28.80 -0.14 -0.32	25.30 -0.08 -0.08	24.36 0.27 -0.01	25.16 0.24 -0.15	31.63 0.46 -0.82	64.77 0.45 -3.39	61.95 0.37 -4.50	50.43 0.95 -3.49	49.83 2.18 -4.03	43.25 2.12 -2.04	42.04 2.31 -1.67	41.56 1.76 -1.25	47.99 1.45 -1.65	49.08 1.95 -1.76	43.62 1.52 -1.45	45.09 1.37 -1.74	49.24 1.15 -2.01	98.69 2.81 -4.91	70.77 1.26 -5.59	52.60 0.03 -2.61	62.97 0.82 -3.35	64.30 1.21 -4.31	44.98 1.27 -2.01
EMPIRE_CC_1 323656	29.00 -0.10 0.00	28.57 -0.05 0.00	25.27 -0.04 0.00	24.02 -0.06 0.00	24.71 -0.07 0.00	30.17 -0.18 0.00	60.36 -0.58 0.00	56.41 -0.68 0.00	45.36 -0.64 0.00	43.20 -0.42 0.00	38.74 -0.35 0.00	37.39 -0.33 0.34	38.40 -0.10 0.06	44.94 0.05 0.00	45.27 -0.10 0.00	40.57 -0.08 0.00	41.85 -0.12 0.00	45.95 -0.13 0.00	90.37 -0.60 0.00	63.61 -0.32 0.00	49.55 -0.42 0.00	57.78 -1.02 0.00	57.59 -1.19 0.00	41.23 -0.46 0.00
EMPIRE_CC_2 323658	29.00 -0.10 0.00	28.57 -0.05 0.00	25.27 -0.04 0.00	24.02 -0.06 0.00	24.71 -0.07 0.00	30.17 -0.18 0.00	60.36 -0.58 0.00	56.41 -0.68 0.00	45.36 -0.64 0.00	43.20 -0.42 0.00	38.74 -0.35 0.00	37.39 -0.33 0.34	38.40 -0.10 0.06	44.94 0.05 0.00	45.27 -0.10 0.00	40.57 -0.08 0.00	41.85 -0.12 0.00	45.95 -0.13 0.00	90.37 -0.60 0.00	63.61 -0.32 0.00	49.55 -0.42 0.00	57.78 -1.02 0.00	57.59 -1.19 0.00	41.23 -0.46 0.00
ENORWICH_115KV_TB1 80156	30.89 1.13 -0.66	30.22 1.21 -0.39	26.42 1.03 -0.09	25.18 1.09 -0.01	26.13 1.17 -0.18	33.00 1.65 -1.01	68.99 3.87 -4.18	66.49 3.79 -5.62	53.45 3.11 -4.34	51.98 3.34 -5.02	44.53 2.90 -2.55	42.98 2.85 -2.08	42.73 2.62 -1.56	49.81 2.87 -2.05	50.72 3.17 -2.17	45.49 3.06 -1.79	47.52 3.39 -2.15	52.38 3.83 -2.48	105.20 8.17 -6.06	76.28 5.46 -6.89	56.79 3.62 -3.21	67.02 4.10 -4.13	68.09 3.99 -5.32	46.62 2.45 -2.48
ERIE_ST__34_KV_TB1-2 80199	29.77 0.14 -0.54	28.91 -0.04 -0.32	25.37 -0.01 -0.08	24.42 0.33 -0.01	25.21 0.29 -0.15	31.72 0.54 -0.82	65.07 0.71 -3.42	62.43 0.77 -4.58	50.80 1.25 -3.55	50.14 2.42 -4.10	43.53 2.36 -2.08	42.32 2.57 -1.70	41.85 2.02 -1.27	48.26 1.98 -1.67	49.36 2.21 -1.78	43.88 1.78 -1.47	45.44 1.71 -1.76	49.63 1.52 -2.03	99.63 3.71 -4.96	71.38 1.81 -5.64	53.04 0.39 -2.63	63.41 1.24 -3.38	64.78 1.65 -4.35	45.10 1.38 -2.03
ERIE_WT_PWR 323693	29.78 0.14 -0.54	28.92 -0.02 -0.32	25.40 0.02 -0.08	24.46 0.37 -0.01	25.27 0.34 -0.15	31.78 0.60 -0.82	65.10 0.76 -3.41	62.39 0.73 -4.57	50.77 1.23 -3.54	50.14 2.42 -4.09	43.45 2.28 -2.08	42.28 2.53 -1.69	41.80 1.98 -1.27	48.25 1.69 -1.67	49.35 2.21 -1.77	43.90 1.80 -1.46	45.40 1.67 -1.76	49.58 1.47 -2.02	99.41 3.49 -4.95	71.34 1.79 -5.63	52.98 0.39 -2.62	63.44 1.27 -3.38	64.76 1.64 -4.34	45.22 1.49 -2.03
ESPRGFLD_115KV_TB1 80157	30.14 1.05 0.00	29.65 1.03 0.00	26.19 0.89 0.00	24.97 0.89 0.00	25.69 0.91 0.00	31.63 1.25 -0.03	64.73 2.85 -0.94	61.26 2.91 -1.27	49.47 2.49 -0.98	47.36 2.60 -1.13	41.89 2.22 -0.57	40.53 2.10 -0.38	40.89 2.00 -0.34	47.66 2.31 -0.46	48.33 2.47 -0.49	43.28 2.23 -0.40	44.79 2.34 -0.48	49.23 2.59 -0.56	97.81 5.47 -1.37	69.25 3.77 -1.55	53.27 2.59 -0.73	62.78 3.05 -0.93	63.11 3.13 -1.20	44.29 2.03 -0.56
ETNA_115_KV_TB1_REV_LBMP_C 345029	30.29 0.33 -0.87	29.45 0.31 -0.52	25.67 0.25 -0.12	24.40 0.31 -0.02	25.34 0.32 -0.24	32.19 0.52 -1.32	67.60 1.15 -5.50	65.55 1.07 -7.39	52.68 0.96 -5.72	51.55 1.32 -6.61	43.49 1.05 -3.35	41.88 1.10 -2.73	41.53 0.92 -2.06	48.46 0.88 -2.70	49.35 1.12 -2.86	44.13 1.13 -2.36	46.08 1.28 -2.83	50.74 1.40 -3.26	102.13 3.18 -7.98	75.00 2.01 -9.07	55.30 1.12 -4.23	65.52 1.28 -5.44	67.11 1.34 -7.00	45.70 0.74 -3.27
ETNA____115KV_TB2 80207	30.29 0.33 -0.87	29.45 0.31 -0.52	25.67 0.25 -0.12	24.40 0.31 -0.02	25.34 0.32 -0.24	32.19 0.52 -1.32	67.60 1.15 -5.50	65.55 1.07 -7.39	52.68 0.96 -5.72	51.55 1.32 -6.61	43.49 1.05 -3.35	41.88 1.10 -2.73	41.53 0.92 -2.06	48.46 0.88 -2.70	49.35 1.12 -2.86	44.13 1.13 -2.36	46.08 1.28 -2.83	50.74 1.40 -3.26	102.13 3.18 -7.98	75.00 2.01 -9.07	55.30 1.12 -4.23	65.52 1.28 -5.44	67.11 1.34 -7.00	45.70 0.74 -3.27
EUCLID___115KV_TB2 356179	29.50 -0.41 -0.82	28.69 -0.42 -0.49	25.03 -0.38 -0.11	23.77 -0.32 -0.02	24.66 -0.34 -0.22	31.25 -0.34 -1.24	65.46 -0.61 -5.14	63.51 -0.48 -6.91	51.05 -0.30 -5.36	50.35 0.01 -6.72	42.43 0.01 -3.34	40.63 0.02 -2.56	40.40 -0.07 -1.92	47.26 -0.15 -2.52	47.95 -0.09 -2.67	42.78 -0.07 -2.20	44.62 0.00 -2.65	49.11 -0.02 -3.05	98.59 0.17 -7.45	72.42 0.01 -8.48	53.61 -0.31 -3.95	63.46 -0.42 -5.08	64.87 -0.45 -6.54	44.37 -0.38 -3.05
E_CANADA_CAP_HY 24051	30.36 1.26 0.00	29.84 1.22 0.00	26.38 1.07 0.00	25.12 1.04 0.00	25.86 1.08 0.00	31.80 1.45 0.00	64.18 3.24 0.00	60.27 3.19 0.00	48.65 2.65 0.00	46.27 2.65 0.00	41.25 2.16 0.00	39.76 1.84 0.14	40.30 1.77 0.02	47.11 2.22 0.00	47.68 2.31 0.00	42.72 2.08 0.00	44.15 2.18 0.00	48.52 2.44 0.00	96.33 5.36 0.00	67.76 3.83 0.00	52.75 2.79 0.00	62.14 3.34 0.00	62.16 3.38 0.00	43.96 2.27 0.00
E_CANADA_MHWK_HY 24050	29.40 0.31 0.00	28.95 0.32 0.00	25.53 0.22 0.00	24.31 0.23 0.00	25.02 0.24 0.00	30.63 0.27 0.00	61.65 0.71 0.00	57.49 0.41 0.00	46.20 0.20 0.00	44.71 0.64 -0.45	39.63 0.38 -0.16	37.91 -0.15 0.00	38.98 0.42 0.00	45.81 0.92 0.00	46.07 0.70 0.00	41.58 0.94 0.00	43.04 1.07 0.00	47.65 1.57 0.00	94.36 3.39 0.00	66.55 2.62 0.00	51.24 1.27 0.00	59.52 0.73 0.00	58.75 -0.03 0.00	41.60 -0.09 0.00
E_FISHKILL___LBMP 23776	29.64 0.55 0.00	29.14 0.52 0.00	25.72 0.42 0.00	24.45 0.37 0.00	25.14 0.36 0.00	30.75 0.40 0.00	61.57 0.63 0.00	57.70 0.62 0.00	46.52 0.52 0.00	44.54 0.92 0.00	40.05 0.95 0.00	39.31 1.01 -0.25	39.92 1.33 -0.04	46.59 1.70 0.00	47.14 1.77 0.00	42.25 1.61 0.00	43.61 1.64 0.00	47.99 1.91 0.00	94.75 3.78 0.00	66.40 2.48 0.00	51.23 1.26 0.00	59.71 0.91 0.00	59.43 0.65 0.00	42.09 0.40 0.00
FALCON___SEABRD_CC1 323796	30.95 1.86 0.00	30.38 1.76 0.00	26.79 1.49 0.00	25.39 1.31 0.00	26.06 1.28 0.00	31.61 1.26 0.00	63.24 2.30 0.00	58.78 1.70 0.00	47.36 1.37 0.00	46.66 1.65 -1.39	41.05 1.45 -0.51	38.91 0.85 0.00	38.88 0.33 0.00	44.39 -0.50 0.00	43.89 -1.48 0.00	39.23 -1.42 0.00	40.60 -1.37 0.00	44.68 -1.40 0.00	88.30 -2.67 0.00	62.28 -1.65 0.00	48.99 -0.97 0.00	58.41 -0.39 0.00	59.92 1.14 0.00	43.32 1.63 0.00
FALCON___SEABRD_CC2 323797	30.95 1.86 0.00	30.38 1.76 0.00	26.79 1.49 0.00	25.39 1.31 0.00	26.06 1.28 0.00	31.61 1.26 0.00	63.24 2.30 0.00	58.78 1.70 0.00	47.36 1.37 0.00	46.66 1.65 -1.39	41.05 1.45 -0.51	38.91 0.85 0.00	38.88 0.33 0.00	44.39 -0.50 0.00	43.89 -1.48 0.00	39.23 -1.42 0.00	40.60 -1.37 0.00	44.68 -1.40 0.00	88.30 -2.67 0.00	62.28 -1.65 0.00	48.99 -0.97 0.00	58.41 -0.39 0.00	59.92 1.14 0.00	43.32 1.63 0.00



FAR ROCKAWAY___4 23548	30.33 1.23 0.00	29.78 1.16 0.00	26.21 0.91 0.00	24.88 0.80 0.00	25.61 0.83 0.00	31.16 0.81 0.00	61.99 1.12 0.07	56.38 1.15 1.85	46.85 1.09 0.23	45.30 1.69 0.00	40.88 1.79 0.00	40.22 1.93 -0.24	40.97 2.38 -0.04	71.03 2.99 -23.15	48.50 3.13 0.00	44.76 2.90 -1.23	45.88 2.95 -0.95	49.68 3.30 -0.30	98.09 6.41 -0.72	69.26 4.29 -1.04	52.55 2.60 0.01	61.14 2.31 -0.04	60.85 1.76 -0.31	42.84 1.17 0.02
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	30.17 1.08 0.00	29.60 0.97 0.00	26.10 0.80 0.00	24.79 0.71 0.00	25.51 0.73 0.00	31.22 0.87 0.00	62.45 1.52 0.00	58.62 1.53 0.00	47.40 1.40 0.00	45.49 1.87 0.00	40.95 1.86 0.00	40.25 1.95 -0.24	40.97 2.38 -0.04	47.79 2.91 0.00	48.41 3.04 0.00	43.40 2.76 0.00	44.79 2.82 0.00	49.24 3.16 0.00	97.26 6.29 0.00	68.05 4.13 0.00	52.33 2.37 0.00	60.93 2.13 0.00	60.57 1.79 0.00	42.84 1.15 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	30.18 1.08 0.00	29.60 0.98 0.00	26.11 0.81 0.00	24.79 0.72 0.00	25.51 0.73 0.00	31.23 0.88 0.00	62.48 1.54 0.00	58.63 1.54 0.00	47.40 1.40 0.00	45.50 1.88 0.00	40.97 1.88 0.00	40.26 1.96 -0.24	40.98 2.39 -0.04	47.80 2.91 0.00	48.43 3.06 0.00	43.41 2.77 0.00	44.81 2.83 0.00	49.25 3.17 0.00	97.27 6.30 0.00	68.06 4.14 0.00	52.36 2.39 0.00	60.94 2.15 0.00	60.60 1.82 0.00	42.86 1.16 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	30.15 1.06 0.00	29.59 0.97 0.00	26.09 0.78 0.00	24.78 0.70 0.00	25.49 0.71 0.00	31.21 0.85 0.00	62.42 1.49 0.00	58.59 1.50 0.00	47.36 1.37 0.00	45.47 1.85 0.00	40.95 1.85 0.00	40.24 1.94 -0.24	40.95 2.36 -0.04	47.76 2.88 0.00	48.38 3.01 0.00	43.37 2.73 0.00	44.76 2.79 0.00	49.20 3.12 0.00	97.17 6.20 0.00	67.99 4.06 0.00	52.28 2.31 0.00	60.87 2.08 0.00	60.51 1.73 0.00	42.80 1.10 0.00
FARRAGUT___LBMP 323566	30.14 1.04 0.00	29.56 0.94 0.00	26.07 0.77 0.00	24.76 0.68 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.43 0.00	58.52 1.44 0.00	47.31 1.32 0.00	45.42 1.80 0.00	40.89 1.80 0.00	40.18 1.89 -0.24	40.90 2.31 -0.04	47.71 2.82 0.00	48.32 2.95 0.00	43.32 2.67 0.00	44.71 2.73 0.00	49.15 3.07 0.00	97.07 6.10 0.00	67.93 4.00 0.00	52.23 2.27 0.00	60.81 2.02 0.00	60.46 1.69 0.00	42.77 1.07 0.00
FENNER___WINDPWR 24204	30.07 0.31 -0.66	29.33 0.31 -0.40	25.67 0.28 -0.09	24.39 0.30 -0.01	25.29 0.33 -0.18	31.91 0.55 -1.01	66.68 0.88 -4.86	64.43 2.10 -5.25	53.96 1.79 -6.18	53.87 2.11 -8.14	44.36 1.20 -4.06	42.27 1.05 -3.17	41.32 1.31 -1.46	48.31 1.51 -1.91	48.88 1.49 -2.03	43.66 1.35 -1.67	45.53 1.55 -2.01	50.13 1.74 -2.31	100.54 3.92 -5.65	73.18 2.82 -6.43	54.86 1.90 -3.00	64.70 2.05 -3.85	65.63 1.89 -4.96	45.21 1.19 -2.31
FIBERTEK___ENERGY 23856	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.22 0.36 -10.24	44.48 0.26 -5.13	42.34 0.23 -4.06	41.65 0.05 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.32 0.54 -11.81	77.63 0.27 -13.43	56.12 -0.11 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
FITZPATRICK___ 23598	21.21 -0.86 7.02	23.59 -0.85 4.18	23.56 -0.76 0.98	23.25 -0.69 0.13	22.15 -0.71 1.91	18.86 -0.83 10.66	15.57 -1.61 43.76	-3.39 -1.49 58.99	-0.55 -1.13 45.42	-9.72 -0.86 52.48	11.69 -0.78 26.62	15.60 -0.75 21.70	21.32 -0.82 16.42	22.30 -1.02 21.56	21.56 -0.97 22.84	20.95 -0.86 18.83	18.50 -0.85 22.61	19.10 -0.94 26.04	25.52 -1.73 63.71	-9.84 -1.28 72.48	14.96 -1.22 33.78	13.86 -1.48 43.45	1.39 -1.47 55.92	14.53 -1.08 26.09
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	30.01 0.91 0.00	29.50 0.88 0.00	26.02 0.72 0.00	24.73 0.66 0.00	25.43 0.65 0.00	31.14 0.78 0.00	62.40 1.47 0.00	58.54 1.45 0.00	47.21 1.21 0.00	45.25 1.63 0.00	40.67 1.58 0.00	39.86 1.58 -0.23	40.51 1.92 -0.04	47.32 2.43 0.00	47.88 2.51 0.00	42.95 2.31 0.00	44.39 2.42 0.00	48.87 2.79 0.00	96.56 5.59 0.00	67.68 3.76 0.00	52.15 2.19 0.00	60.78 1.98 0.00	60.43 1.65 0.00	42.74 1.04 0.00
FORT ORANGE___ 23900	29.06 -0.03 0.00	28.62 0.00 0.00	25.29 -0.01 0.00	24.05 -0.03 0.00	24.73 -0.04 0.00	30.20 -0.15 0.00	60.39 -0.54 0.00	56.25 -0.83 0.00	45.18 -0.82 0.00	42.93 -0.69 0.00	38.54 -0.56 0.00	37.36 -0.51 0.18	38.14 -0.38 0.03	44.53 -0.36 0.00	44.91 -0.46 0.00	40.26 -0.38 0.00	41.61 -0.36 0.00	45.74 -0.34 0.00	90.03 -0.94 0.00	63.36 -0.57 0.00	49.27 -0.69 0.00	57.56 -1.23 0.00	57.36 -1.43 0.00	40.80 -0.90 0.00
FORT_DRUM_COGEN 23780	30.71 0.86 -0.76	30.05 0.98 -0.45	26.40 0.99 -0.10	24.76 0.67 -0.02	25.93 0.95 -0.21	33.09 1.58 -1.16	69.89 4.22 -4.73	67.82 4.32 -6.42	54.57 3.65 -4.92	57.84 3.55 -10.67	46.53 2.74 -4.70	42.48 2.10 -2.33	42.03 1.70 -1.77	49.14 1.93 -2.32	49.56 1.73 -2.46	44.45 1.78 -2.03	46.66 2.25 -2.44	51.42 2.54 -2.80	104.56 6.73 -6.86	76.80 5.06 -7.81	57.41 3.80 -3.64	68.08 4.60 -4.68	69.07 4.26 -6.03	47.25 2.74 -2.81
FOX_HILLS___ESR 323835	30.31 1.21 0.00	29.71 1.09 0.00	26.20 0.90 0.00	24.90 0.82 0.00	25.62 0.84 0.00	31.36 1.01 0.00	62.41 1.57 0.09	37.94 1.86 21.01	34.95 1.90 12.96	31.36 2.41 14.67	23.56 2.36 17.89	32.36 2.40 8.10	21.86 2.79 19.48	20.61 3.35 27.62	40.50 3.44 8.31	37.38 3.20 6.46	39.87 3.19 5.29	46.87 3.57 2.78	97.03 6.20 0.14	68.04 4.13 0.01	50.61 2.73 2.09	48.88 2.62 12.54	40.34 2.28 20.72	37.44 1.45 5.71
FPL_FAR_ROCK_GT1 24212	30.33 1.23 0.00	29.78 1.16 0.00	26.21 0.90 0.00	24.88 0.80 0.00	25.61 0.83 0.00	31.16 0.81 0.00	61.98 1.12 0.07	56.37 1.14 1.85	46.85 1.09 0.23	45.30 1.68 0.00	40.91 1.82 0.00	40.23 1.94 -0.24	40.97 2.38 -0.04	71.03 3.00 -23.15	48.49 3.12 0.00	44.76 2.89 -1.23	45.88 2.95 -0.95	49.67 3.30 -0.30	98.07 6.39 -0.72	69.24 4.27 -1.04	52.57 2.62 0.01	61.14 2.31 -0.04	60.83 1.74 -0.31	42.83 1.16 0.02
FPL_FAR_ROCK_GT2 23815	30.33 1.23 0.00	29.78 1.16 0.00	26.21 0.90 0.00	24.88 0.80 0.00	25.61 0.83 0.00	31.16 0.81 0.00	61.98 1.12 0.07	56.37 1.14 1.85	46.85 1.09 0.23	45.30 1.68 0.00	40.91 1.82 0.00	40.23 1.94 -0.24	40.97 2.38 -0.04	71.03 3.00 -23.15	48.49 3.12 0.00	44.76 2.89 -1.23	45.88 2.95 -0.95	49.67 3.30 -0.30	98.07 6.39 -0.72	69.24 4.27 -1.04	52.57 2.62 0.01	61.14 2.31 -0.04	60.83 1.74 -0.31	42.83 1.16 0.02
FRANKLIN_FALL_HYD 24054	30.50 1.40 0.00	29.96 1.34 0.00	26.46 1.16 0.00	25.15 1.07 0.00	25.88 1.10 0.00	31.65 1.30 0.00	63.70 2.76 0.00	59.71 2.63 0.00	48.21 2.22 0.00	52.10 1.91 -6.57	43.04 1.54 -2.41	39.20 1.15 0.00	39.28 0.73 0.00	45.33 0.45 0.00	45.42 0.05 0.00	40.62 -0.03 0.00	42.00 0.03 0.00	46.06 -0.02 0.00	91.11 0.14 0.00	64.33 0.41 0.00	50.84 0.88 0.00	60.41 1.61 0.00	61.10 2.32 0.00	43.63 1.94 0.00



FREEPORT_EQUS_GT1 23764	29.99 0.90 0.00	29.46 0.83 0.00	25.92 0.61 0.00	24.60 0.52 0.00	25.32 0.54 0.00	30.80 0.45 0.00	51.60 0.34 9.68	37.53 0.46 20.02	44.77 0.56 1.78	44.78 1.16 0.00	40.42 1.33 0.00	39.70 1.41 -0.24	40.43 1.84 -0.04	50.59 2.26 -3.44	47.76 2.39 0.00	43.75 2.12 -0.98	44.39 2.15 -0.27	37.03 2.39 11.44	45.94 4.64 49.67	37.56 3.11 29.47	51.69 1.84 0.11	59.07 1.44 1.15	50.91 0.92 8.79	41.65 0.61 0.65
FREEPORT___CT2 23818	29.99 0.90 0.00	29.46 0.83 0.00	25.92 0.61 0.00	24.60 0.52 0.00	25.32 0.54 0.00	30.80 0.45 0.00	51.60 0.34 9.68	37.53 0.46 20.02	44.77 0.56 1.78	44.78 1.16 0.00	40.42 1.33 0.00	39.70 1.41 -0.24	40.43 1.84 -0.04	50.59 2.26 -3.44	47.76 2.39 0.00	43.75 2.12 -0.98	44.39 2.15 -0.27	37.03 2.39 11.44	45.94 4.64 49.67	37.56 3.11 29.47	51.69 1.84 0.11	59.07 1.44 1.15	50.91 0.92 8.79	41.65 0.61 0.65
FRESHKLS_33_KV_LOAD 356253	30.46 1.36 0.00	29.85 1.23 0.00	26.34 1.03 0.00	25.03 0.95 0.00	25.76 0.98 0.00	31.53 1.18 0.00	62.54 1.69 0.09	38.03 1.96 21.01	35.17 2.13 12.96	31.59 2.65 14.67	23.77 2.57 17.89	32.54 2.58 8.10	22.03 2.96 19.48	20.80 3.54 27.62	40.69 3.63 8.31	37.59 3.41 6.46	40.08 3.39 5.29	47.07 3.78 2.78	97.40 6.57 0.14	68.32 4.40 0.01	50.86 2.98 2.09	49.17 2.91 12.54	40.66 2.60 20.72	37.64 1.66 5.71
FULTON COGEN____ 23766	29.56 -0.30 -0.75	28.75 -0.32 -0.45	25.11 -0.30 -0.10	23.85 -0.24 -0.02	24.73 -0.25 -0.21	31.27 -0.23 -1.15	65.33 -0.36 -4.75	63.24 -0.24 -6.39	50.88 -0.07 -4.96	50.09 0.20 -6.26	42.36 0.17 -3.10	40.59 0.17 -2.37	40.37 0.05 -1.78	47.23 0.01 -2.33	47.88 0.05 -2.47	42.77 0.09 -2.04	44.62 0.20 -2.45	49.11 0.21 -2.82	98.51 0.64 -6.89	72.15 0.39 -7.84	53.56 -0.05 -3.66	63.38 -0.12 -4.70	64.62 -0.21 -6.05	44.28 -0.23 -2.82
FULTON___LFGE 323630	30.34 1.24 0.00	29.83 1.21 0.00	26.36 1.06 0.00	25.08 1.01 0.00	25.82 1.05 0.00	31.73 1.38 0.00	64.00 3.06 0.00	60.08 2.99 0.00	48.39 2.40 0.00	46.09 2.47 0.00	41.07 1.98 0.00	39.35 1.45 0.15	40.00 1.48 0.03	46.89 2.00 0.00	47.44 2.07 0.00	42.52 1.88 0.00	43.97 2.00 0.00	48.48 2.40 0.00	96.36 5.39 0.00	67.86 3.94 0.00	52.77 2.81 0.00	61.95 3.15 0.00	61.80 3.02 0.00	43.72 2.03 0.00
G.F.CEMENT___DRP 24184	30.23 1.13 0.00	29.79 1.17 0.00	26.36 1.05 0.00	25.04 0.96 0.00	25.72 0.94 0.00	31.39 1.03 0.00	63.04 2.10 0.00	58.92 1.84 0.00	47.28 1.28 0.00	45.16 1.54 0.00	40.49 1.40 0.00	39.15 1.33 0.24	40.11 1.60 0.04	46.95 2.06 0.00	47.17 1.80 0.00	42.15 1.51 0.00	43.66 1.68 0.00	48.11 2.03 0.00	95.22 4.25 0.00	67.10 3.18 0.00	52.28 2.32 0.00	61.01 2.21 0.00	60.40 1.62 0.00	42.90 1.21 0.00
GARDENVILLE___LBMP 24039	29.66 0.02 -0.54	28.82 -0.12 -0.32	25.31 -0.07 -0.08	24.36 0.27 -0.01	25.18 0.26 -0.15	31.67 0.49 -0.82	64.87 0.50 -3.43	62.25 0.47 -4.70	50.62 0.99 -3.64	50.00 2.17 -4.21	43.29 2.07 -2.14	42.09 2.30 -1.74	41.61 1.75 -1.31	48.00 1.41 -1.71	49.08 1.94 -1.78	43.63 1.52 -1.46	45.14 1.41 -1.76	49.28 1.17 -2.03	98.91 2.97 -4.96	70.95 1.38 -5.64	52.71 0.12 -2.63	63.10 0.92 -3.38	64.46 1.33 -4.35	45.01 1.29 -2.03
GARDNVLA_35_KV_LD 355827	29.90 0.26 -0.54	29.03 0.09 -0.32	25.49 0.11 -0.08	24.54 0.45 -0.01	25.35 0.42 -0.15	31.88 0.70 -0.82	65.37 1.02 -3.41	62.59 0.95 -4.55	50.94 1.41 -3.52	50.32 2.63 -4.08	43.67 2.51 -2.07	42.49 2.75 -1.69	42.03 2.21 -1.27	48.53 1.98 -1.67	49.67 2.52 -1.77	44.20 2.09 -1.46	45.72 1.99 -1.76	49.92 1.82 -2.02	100.11 4.20 -4.95	71.75 2.19 -5.63	53.30 0.71 -2.62	63.74 1.57 -3.37	65.07 1.94 -4.34	45.42 1.70 -2.03
GELCKHM___115KV_LOAD 80723	29.78 -0.30 -0.99	28.88 -0.33 -0.59	25.14 -0.30 -0.14	23.85 -0.25 -0.02	24.79 -0.26 -0.27	31.62 -0.24 -1.50	66.76 -0.39 -6.21	65.14 -0.29 -8.35	52.36 -0.12 -6.48	51.75 0.15 -7.97	43.18 0.11 -3.98	41.25 0.10 -3.09	40.86 -0.02 -2.32	47.80 -0.13 -3.05	48.53 -0.06 -3.23	43.27 -0.03 -2.66	45.22 0.05 -3.20	49.80 0.04 -3.68	100.30 0.32 -9.01	74.28 0.11 -10.25	54.49 -0.24 -4.78	64.64 -0.30 -6.14	66.41 -0.28 -7.91	45.15 -0.23 -3.69
GENERAL___MILLS 23808	29.76 0.13 -0.54	28.91 -0.03 -0.32	25.39 0.01 -0.08	24.44 0.35 -0.01	25.26 0.33 -0.15	31.76 0.58 -0.82	65.09 0.74 -3.41	62.34 0.69 -4.57	50.73 1.19 -3.54	50.10 2.39 -4.09	43.45 2.28 -2.08	42.25 2.50 -1.69	41.78 1.95 -1.27	48.23 1.67 -1.67	49.33 2.19 -1.77	43.88 1.77 -1.46	45.37 1.64 -1.76	49.54 1.44 -2.02	99.38 3.46 -4.95	71.27 1.71 -5.63	52.95 0.36 -2.62	63.37 1.20 -3.38	64.71 1.59 -4.34	45.18 1.46 -2.03
GE_PLASTICS___DRP 24183	29.08 -0.02 0.00	28.64 0.02 0.00	25.32 0.02 0.00	24.07 -0.01 0.00	24.76 -0.02 0.00	30.26 -0.09 0.00	60.62 -0.32 0.00	56.57 -0.52 0.00	45.39 -0.60 0.00	43.08 -0.54 0.00	38.61 -0.48 0.00	37.48 -0.44 0.14	38.20 -0.33 0.02	44.59 -0.30 0.00	45.00 -0.36 0.00	40.36 -0.28 0.00	41.68 -0.29 0.00	45.77 -0.31 0.00	90.03 -0.94 0.00	63.31 -0.61 0.00	49.21 -0.75 0.00	57.53 -1.27 0.00	57.41 -1.37 0.00	40.83 -0.86 0.00
GILBOA___1 23756	29.28 0.18 0.00	28.91 0.29 0.00	25.55 0.24 0.00	24.30 0.22 0.00	24.93 0.15 0.00	30.47 0.12 0.00	61.07 0.14 0.00	57.18 0.09 0.00	46.06 0.07 0.00	43.97 0.35 0.00	39.44 0.35 0.00	38.44 0.38 0.00	39.09 0.54 0.00	45.60 0.72 0.00	46.09 0.72 0.00	41.31 0.66 0.00	42.67 0.69 0.00	46.80 0.72 0.00	91.67 0.70 0.00	64.53 0.60 0.00	50.09 0.13 0.00	58.69 -0.11 0.00	58.79 0.01 0.00	41.68 -0.01 0.00
GILBOA___2 23757	29.28 0.18 0.00	28.91 0.29 0.00	25.55 0.24 0.00	24.30 0.22 0.00	24.93 0.15 0.00	30.47 0.12 0.00	61.07 0.14 0.00	57.18 0.09 0.00	46.06 0.07 0.00	43.97 0.35 0.00	39.44 0.35 0.00	38.44 0.38 0.00	39.09 0.54 0.00	45.60 0.72 0.00	46.09 0.72 0.00	41.31 0.66 0.00	42.67 0.69 0.00	46.80 0.72 0.00	91.67 0.70 0.00	64.53 0.60 0.00	50.09 0.13 0.00	58.69 -0.11 0.00	58.79 0.01 0.00	41.68 -0.01 0.00
GILBOA___3 23758	29.28 0.18 0.00	28.91 0.29 0.00	25.55 0.24 0.00	24.30 0.22 0.00	24.93 0.15 0.00	30.47 0.12 0.00	61.07 0.14 0.00	57.18 0.09 0.00	46.06 0.07 0.00	43.97 0.35 0.00	39.44 0.35 0.00	38.44 0.38 0.00	39.09 0.54 0.00	45.60 0.72 0.00	46.09 0.72 0.00	41.31 0.66 0.00	42.67 0.69 0.00	46.80 0.72 0.00	91.67 0.70 0.00	64.53 0.60 0.00	50.09 0.13 0.00	58.69 -0.11 0.00	58.79 0.01 0.00	41.68 -0.01 0.00
GILBOA___4 23759	29.28 0.18 0.00	28.91 0.29 0.00	25.55 0.24 0.00	24.30 0.22 0.00	24.93 0.15 0.00	30.47 0.12 0.00	61.07 0.14 0.00	57.18 0.09 0.00	46.06 0.07 0.00	43.97 0.35 0.00	39.44 0.35 0.00	38.44 0.38 0.00	39.09 0.54 0.00	45.60 0.72 0.00	46.09 0.72 0.00	41.31 0.66 0.00	42.67 0.69 0.00	46.80 0.72 0.00	91.67 0.70 0.00	64.53 0.60 0.00	50.09 0.13 0.00	58.69 -0.11 0.00	58.79 0.01 0.00	41.68 -0.01 0.00



GILBOA____ 23599	29.28 0.18 0.00	28.91 0.29 0.00	25.55 0.24 0.00	24.30 0.22 0.00	24.93 0.15 0.00	30.47 0.12 0.00	61.07 0.13 0.00	57.18 0.09 0.00	46.06 0.06 0.00	43.97 0.35 0.00	39.44 0.34 0.00	38.44 0.38 0.00	39.09 0.54 0.00	45.60 0.72 0.00	46.09 0.72 0.00	41.31 0.66 0.00	42.67 0.69 0.00	46.80 0.72 0.00	91.68 0.71 0.00	64.53 0.60 0.00	50.09 0.13 0.00	58.69 -0.10 0.00	58.78 0.01 0.00	41.68 -0.01 0.00
GINNA____ 23603	28.47 -1.13 -0.50	27.70 -1.22 -0.30	24.29 -1.08 -0.07	23.18 -0.91 -0.01	23.97 -0.95 -0.14	30.08 -1.04 -0.76	62.12 -1.98 -3.17	59.59 -1.75 -4.25	48.18 -1.11 -3.30	46.93 -0.51 -3.81	40.68 -0.35 -1.93	39.33 -0.30 -1.58	39.22 -0.52 -1.18	45.62 -0.82 -1.55	46.43 -0.58 -1.65	41.38 -0.62 -1.36	42.93 -0.67 -1.63	47.19 -0.77 -1.88	94.45 -1.11 -4.59	68.11 -1.04 -5.22	50.95 -1.45 -2.43	60.31 -1.62 -3.13	61.13 -1.68 -4.03	42.41 -1.16 -1.88
GLEN PARK____ 23778	30.90 1.01 -0.80	30.21 1.12 -0.47	26.52 1.11 -0.11	24.87 0.78 -0.02	26.06 1.07 -0.22	33.32 1.75 -1.21	70.46 4.57 -4.96	68.44 4.64 -6.72	55.07 3.92 -5.15	58.15 3.84 -10.69	46.78 2.94 -4.74	42.76 2.26 -2.44	42.23 1.83 -1.85	49.42 2.10 -2.43	49.82 1.88 -2.58	44.70 1.94 -2.13	46.98 2.45 -2.55	51.77 2.76 -2.94	105.58 7.42 -7.19	77.68 5.58 -8.18	57.94 4.16 -3.81	68.70 5.00 -4.90	69.71 4.61 -6.31	47.60 2.96 -2.94
GLENDALE_27_KV_LOAD 356172	30.30 1.21 0.00	29.71 1.09 0.00	26.20 0.90 0.00	24.87 0.79 0.00	25.59 0.81 0.00	31.34 0.99 0.00	62.69 1.75 0.00	58.96 1.87 0.00	47.71 1.72 0.00	45.82 2.20 0.00	41.27 2.17 -0.01	40.56 2.26 -0.25	41.27 2.67 -0.05	48.13 3.23 -0.01	48.75 3.38 0.00	43.72 3.07 0.00	45.08 3.11 0.00	49.55 3.47 0.00	97.61 6.65 0.00	68.27 4.34 0.00	52.57 2.61 0.00	61.21 2.42 0.00	60.83 2.05 0.00	43.01 1.32 0.00
GLENWOOD_IC_1_G5 23712	30.06 0.96 0.00	29.52 0.90 0.00	26.00 0.69 0.00	24.69 0.61 0.00	25.41 0.63 0.00	31.01 0.65 0.00	56.89 0.96 5.01	47.41 0.84 10.52	46.03 0.98 0.94	45.15 1.53 0.00	40.73 1.64 0.00	40.03 1.73 -0.24	40.50 1.90 -0.04	50.62 2.36 -3.37	47.94 2.58 0.00	44.23 2.31 -1.28	45.10 2.35 -0.78	42.83 2.64 5.89	70.48 5.12 25.61	52.15 3.36 15.14	51.74 1.84 0.06	59.70 1.50 0.59	55.64 1.38 4.51	42.21 0.88 0.37
GLENWOOD_IC_2_G1 23688	29.98 0.89 0.00	29.44 0.81 0.00	25.93 0.63 0.00	24.63 0.55 0.00	25.34 0.57 0.00	30.96 0.60 0.00	61.87 0.94 0.01	57.97 0.95 0.06	46.90 0.91 0.01	45.05 1.43 0.00	40.62 1.52 0.00	39.90 1.61 -0.24	40.57 1.98 -0.04	47.44 2.42 -0.13	47.96 2.60 0.00	43.03 2.33 -0.05	44.39 2.38 -0.04	48.74 2.67 0.00	96.21 5.27 0.03	67.38 3.46 0.00	51.89 1.93 0.00	60.40 1.60 0.00	60.02 1.24 0.00	42.49 0.79 0.00
GLENWOOD_IC_3_G1 23689	29.98 0.89 0.00	29.44 0.81 0.00	25.93 0.63 0.00	24.63 0.55 0.00	25.34 0.57 0.00	30.96 0.60 0.00	61.87 0.94 0.01	57.97 0.95 0.06	46.90 0.91 0.01	45.05 1.43 0.00	40.62 1.52 0.00	39.90 1.61 -0.24	40.57 1.98 -0.04	47.44 2.42 -0.13	47.96 2.60 0.00	43.03 2.33 -0.05	44.39 2.38 -0.04	48.74 2.67 0.00	96.21 5.27 0.03	67.38 3.46 0.00	51.89 1.93 0.00	60.40 1.60 0.00	60.02 1.24 0.00	42.49 0.79 0.00
GLENWOOD____4 23550	30.06 0.96 0.00	29.52 0.90 0.00	26.00 0.69 0.00	24.69 0.61 0.00	25.41 0.63 0.00	31.01 0.65 0.00	56.90 0.97 5.01	47.47 0.91 10.52	46.03 0.98 0.94	45.15 1.53 0.00	40.73 1.64 0.00	40.04 1.74 -0.24	40.60 2.01 -0.04	50.72 2.47 -3.37	48.07 2.70 0.00	44.34 2.42 -1.28	45.22 2.47 -0.78	42.93 2.74 5.89	70.68 5.32 25.61	52.30 3.52 15.14	51.86 1.96 0.06	59.83 1.62 0.59	55.64 1.38 4.51	42.21 0.88 0.37
GLENWOOD____5 23614	30.06 0.96 0.00	29.52 0.90 0.00	26.00 0.69 0.00	24.69 0.61 0.00	25.41 0.63 0.00	31.01 0.65 0.00	56.90 0.97 5.01	47.47 0.91 10.52	46.03 0.98 0.94	45.15 1.53 0.00	40.73 1.64 0.00	40.04 1.74 -0.24	40.60 2.01 -0.04	50.72 2.47 -3.37	48.07 2.70 0.00	44.34 2.42 -1.28	45.22 2.47 -0.78	42.93 2.74 5.89	70.68 5.32 25.61	52.30 3.52 15.14	51.86 1.96 0.06	59.83 1.62 0.59	55.64 1.38 4.51	42.21 0.88 0.37
GLOBAL GREEN_PORT_GT1 23814	30.22 1.12 0.00	29.64 1.02 0.00	26.02 0.72 0.00	24.75 0.67 0.00	25.42 0.65 0.00	30.87 0.51 0.00	47.38 0.51 14.07	28.91 0.48 28.65	43.86 0.40 2.54	44.62 1.00 0.00	40.31 1.21 0.00	38.94 1.07 0.19	33.34 1.12 6.33	27.93 0.90 17.85	43.85 1.18 2.69	42.56 1.18 -0.74	43.00 1.20 0.17	30.80 1.43 16.71	21.16 2.63 72.44	22.56 1.78 43.14	50.27 0.48 0.17	57.23 0.12 1.70	45.53 -0.38 12.87	40.36 -0.23 1.10
GLOBE____DSASP 323697	29.26 -0.36 -0.53	28.40 -0.54 -0.31	24.97 -0.40 -0.08	24.07 -0.02 -0.01	24.84 -0.08 -0.14	31.18 0.03 -0.80	63.12 -1.12 -3.31	60.08 -1.44 -4.43	49.08 -0.35 -3.43	48.61 1.02 -3.97	42.45 1.34 -2.02	41.22 1.53 -1.64	40.73 0.95 -1.23	47.06 0.55 -1.62	48.12 1.03 -1.72	42.64 0.58 -1.42	44.05 0.37 -1.70	48.09 0.05 -1.96	95.34 -0.43 -4.80	68.42 -0.96 -5.46	51.08 -1.43 -2.54	61.13 -0.93 -3.27	62.42 -0.57 -4.21	44.41 0.75 -1.97
GOETHSLN____LBMP 323567	30.04 0.94 0.00	29.46 0.84 0.00	25.98 0.68 0.00	24.68 0.60 0.00	25.39 0.61 0.00	31.07 0.72 0.00	62.04 1.19 0.08	47.52 1.16 10.72	34.97 1.01 12.03	30.43 1.48 14.67	22.73 1.52 17.88	33.05 1.62 6.63	30.50 2.06 10.11	33.09 2.54 14.33	43.84 2.69 4.21	38.72 2.39 4.31	41.62 2.46 2.81	47.43 2.76 1.41	96.68 5.78 0.07	67.63 3.71 0.01	50.82 1.94 1.08	53.46 1.60 6.94	44.99 1.27 15.06	37.05 0.79 5.43
GOLAH____69_KV_TB 1_2 80279	30.28 0.67 -0.52	29.38 0.45 -0.31	25.76 0.39 -0.07	24.66 0.58 -0.01	25.48 0.56 -0.14	32.02 0.88 -0.79	66.04 1.83 -3.27	63.09 1.62 -4.39	51.04 1.63 -3.41	49.90 2.34 -3.94	43.49 2.41 -2.00	42.17 2.49 -1.63	41.91 2.13 -1.22	48.63 2.14 -1.61	49.40 2.33 -1.70	44.03 1.99 -1.40	45.37 1.71 -1.68	49.79 1.78 -1.94	99.87 4.16 -4.74	71.94 2.61 -5.39	53.75 1.27 -2.52	63.77 1.74 -3.23	64.71 1.76 -4.16	45.12 1.48 -1.94
GOODYEAR_LAKE_HYD 323669	30.05 0.69 -0.27	29.49 0.71 -0.16	25.94 0.60 -0.04	24.68 0.60 -0.01	25.46 0.61 -0.07	31.58 0.81 -0.41	64.48 1.82 -1.72	61.24 1.85 -2.31	49.38 1.59 -1.78	47.52 1.83 -2.06	41.76 1.62 -1.05	40.52 1.61 -0.85	40.82 1.62 -0.64	47.58 1.85 -0.84	48.25 1.99 -0.89	43.18 1.80 -0.74	44.76 1.90 -0.88	49.20 2.10 -1.02	97.69 4.24 -2.49	69.62 2.86 -2.83	53.04 1.76 -1.32	62.43 1.93 -1.70	62.92 1.96 -2.18	43.95 1.23 -1.02
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	29.67 -0.09 -0.66	28.96 -0.05 -0.39	25.32 -0.08 -0.09	24.11 0.02 -0.01	24.97 0.02 -0.18	31.48 0.12 -1.01	65.34 0.23 -4.17	62.93 0.24 -5.60	50.60 0.27 -4.33	49.44 0.82 -5.01	42.26 0.63 -2.54	40.84 0.72 -2.07	40.64 0.53 -1.56	47.39 0.46 -2.05	48.20 0.66 -2.17	43.02 0.59 -1.79	44.83 0.71 -2.14	49.21 0.67 -2.47	98.78 1.77 -6.04	71.65 0.84 -6.87	53.31 0.15 -3.20	63.24 0.32 -4.12	64.67 0.58 -5.31	44.32 0.15 -2.48



GOUDEY___7 23579	29.67 -0.09 -0.66	28.96 -0.05 -0.39	25.32 -0.08 -0.09	24.11 0.02 -0.01	24.97 0.02 -0.18	31.48 0.12 -1.01	65.34 0.23 -4.17	62.93 0.24 -5.60	50.60 0.27 -4.33	49.44 0.82 -5.01	42.26 0.63 -2.54	40.84 0.72 -2.07	40.64 0.53 -1.56	47.39 0.46 -2.05	48.20 0.66 -2.17	43.02 0.59 -1.79	44.83 0.71 -2.14	49.21 0.67 -2.47	98.78 1.77 -6.04	71.65 0.84 -6.87	53.31 0.15 -3.20	63.24 0.32 -4.12	64.67 0.58 -5.31	44.32 0.15 -2.48
GOUDEY___8 23580	29.67 -0.09 -0.66	28.96 -0.05 -0.39	25.32 -0.08 -0.09	24.11 0.02 -0.01	24.97 0.02 -0.18	31.48 0.12 -1.01	65.34 0.23 -4.17	62.93 0.24 -5.60	50.60 0.27 -4.33	49.44 0.82 -5.01	42.26 0.63 -2.54	40.84 0.72 -2.07	40.64 0.53 -1.56	47.39 0.46 -2.05	48.20 0.66 -2.17	43.02 0.59 -1.79	44.83 0.71 -2.14	49.21 0.67 -2.47	98.78 1.77 -6.04	71.65 0.84 -6.87	53.31 0.15 -3.20	63.24 0.32 -4.12	64.67 0.58 -5.31	44.32 0.15 -2.48
GOWANUS_GT1_1 24077	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_2 24078	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_3 24079	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_4 24080	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.76	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_5 24084	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_6 24111	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_7 24112	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT1_8 24113	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT2_1 24114	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT2_2 24115	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT2_3 24116	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT2_4 24117	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT2_5 24118	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.76	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22



GOWANUS_GT2_6 24119	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT2_7 24120	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT2_8 24121	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_1 24122	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_2 24123	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_3 24124	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_4 24125	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_5 24126	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_6 24127	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_7 24128	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT3_8 24129	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
GOWANUS_GT4_1 24130	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT4_2 24131	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT4_3 24132	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT4_4 24133	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22



GOWANUS_GT4_5 24134	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT4_6 24135	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT4_7 24136	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GOWANUS_GT4_8 24137	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.29 -0.67	42.31 2.70 -1.05	49.53 3.27 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GREATVRV_69_KV_BK1 356245	30.12 1.03 0.00	29.57 0.95 0.00	26.00 0.70 0.00	24.69 0.61 0.00	25.41 0.63 0.00	30.90 0.55 0.00	47.89 0.56 13.61	30.09 0.76 27.75	44.31 0.77 2.46	45.12 1.50 0.00	40.67 1.58 0.00	40.00 1.66 -0.29	41.43 2.13 -0.75	43.49 2.41 3.81	48.39 2.72 -0.30	43.88 2.48 -0.76	44.34 2.50 0.13	32.71 2.79 16.16	26.39 5.46 70.05	25.92 3.70 41.70	51.83 2.03 0.17	58.83 1.68 1.64	47.46 1.12 12.44	41.43 0.80 1.07
GREENBSH_115KV_TB3 55895	28.91 -0.18 0.00	28.47 -0.15 0.00	25.17 -0.13 0.00	23.93 -0.15 0.00	24.62 -0.16 0.00	30.08 -0.27 0.00	60.22 -0.72 0.00	56.25 -0.84 0.00	45.25 -0.74 0.00	43.02 -0.60 0.00	38.59 -0.51 0.00	37.40 -0.46 0.19	38.23 -0.29 0.03	44.66 -0.23 0.00	45.04 -0.32 0.00	40.39 -0.25 0.00	41.72 -0.26 0.00	45.82 -0.26 0.00	90.15 -0.82 0.00	63.44 -0.48 0.00	49.33 -0.63 0.00	57.60 -1.19 0.00	57.42 -1.37 0.00	40.87 -0.83 0.00
GREENDGE_115KV_TB5 80291	30.28 0.36 -0.82	29.46 0.35 -0.49	25.68 0.27 -0.11	24.53 0.44 -0.02	25.51 0.51 -0.23	32.43 0.82 -1.25	67.31 1.19 -5.18	65.27 1.21 -6.98	52.59 1.19 -5.40	51.63 1.76 -6.24	43.71 1.45 -3.17	42.13 1.49 -2.58	41.70 1.20 -1.94	48.42 0.98 -2.55	49.38 1.31 -2.70	44.25 1.38 -2.22	46.22 1.57 -2.67	50.78 1.62 -3.07	101.72 3.23 -7.52	74.34 1.86 -8.56	55.18 1.23 -3.99	65.46 1.53 -5.13	67.08 1.70 -6.60	45.76 0.98 -3.08
GREENIDGE___3 23582	30.28 0.36 -0.82	29.46 0.35 -0.49	25.68 0.27 -0.11	24.53 0.44 -0.02	25.51 0.51 -0.23	32.43 0.82 -1.25	67.31 1.19 -5.18	65.27 1.21 -6.98	52.59 1.19 -5.40	51.63 1.76 -6.24	43.71 1.45 -3.17	42.13 1.49 -2.58	41.70 1.20 -1.94	48.42 0.98 -2.55	49.38 1.31 -2.70	44.25 1.38 -2.22	46.22 1.57 -2.67	50.78 1.62 -3.07	101.72 3.23 -7.52	74.34 1.86 -8.56	55.18 1.23 -3.99	65.46 1.53 -5.13	67.08 1.70 -6.60	45.76 0.98 -3.08
GREENIDGE___4 23583	30.28 0.36 -0.82	29.46 0.34 -0.49	25.68 0.27 -0.11	24.53 0.44 -0.02	25.51 0.51 -0.23	32.43 0.82 -1.25	67.34 1.22 -5.18	65.28 1.22 -6.98	52.59 1.19 -5.40	51.64 1.77 -6.24	43.71 1.45 -3.17	42.13 1.49 -2.58	41.71 1.21 -1.94	48.41 0.98 -2.55	49.39 1.32 -2.70	44.25 1.38 -2.22	46.21 1.57 -2.67	50.78 1.62 -3.07	101.68 3.19 -7.52	74.36 1.88 -8.56	55.18 1.23 -3.99	65.48 1.55 -5.13	67.12 1.74 -6.60	45.76 0.99 -3.08
GREENLWN_69_KV_BK 3 55738	29.75 0.65 0.00	29.24 0.62 0.00	25.72 0.42 0.00	24.42 0.34 0.00	25.13 0.35 0.00	30.51 0.16 0.00	46.83 -0.38 13.73	28.89 -0.21 27.99	43.49 -0.03 2.48	44.33 0.71 0.00	40.03 0.93 0.00	39.42 1.13 -0.24	40.18 1.59 -0.04	41.20 1.68 5.37	47.33 1.97 0.00	43.14 1.75 -0.76	43.52 1.68 0.14	31.62 1.85 16.31	23.83 3.56 70.70	24.16 2.33 42.10	50.82 1.03 0.17	57.65 0.51 1.65	46.24 0.01 12.56	40.66 0.04 1.07
GREENWD_138_KV_38B11_REV_LBMP_J 345004	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22
GRISSOM___SOLAR 323813	30.28 1.19 0.00	29.78 1.16 0.00	26.31 1.01 0.00	25.03 0.95 0.00	25.77 0.99 0.00	31.64 1.29 0.00	63.78 2.84 0.00	59.84 2.76 0.00	48.17 2.18 0.00	45.91 2.29 0.00	40.90 1.81 0.00	39.17 1.27 0.16	39.81 1.28 0.03	46.71 1.82 0.00	47.25 1.88 0.00	42.34 1.70 0.00	43.80 1.83 0.00	48.35 2.27 0.00	96.04 5.07 0.00	67.64 3.71 0.00	52.61 2.64 0.00	61.70 2.91 0.00	61.53 2.75 0.00	43.55 1.85 0.00
GROVEVILLE___HYD 323602	30.01 0.91 0.00	29.50 0.88 0.00	26.02 0.72 0.00	24.73 0.66 0.00	25.43 0.65 0.00	31.14 0.78 0.00	62.40 1.47 0.00	58.54 1.45 0.00	47.21 1.21 0.00	45.25 1.63 0.00	40.67 1.58 0.00	39.86 1.58 -0.23	40.51 1.92 -0.04	47.32 2.43 0.00	47.88 2.51 0.00	42.95 2.31 0.00	44.39 2.42 0.00	48.87 2.79 0.00	96.56 5.59 0.00	67.68 3.76 0.00	52.15 2.19 0.00	60.78 1.98 0.00	60.43 1.65 0.00	42.74 1.04 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.22 0.36 -10.24	44.48 0.26 -5.13	42.34 0.23 -4.06	41.65 0.05 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.32 0.54 -11.81	77.63 0.27 -13.43	56.12 -0.11 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
HAMLTNNY_34_KV_TB 80303	30.46 0.10 -1.27	29.40 0.02 -0.76	25.45 -0.03 -0.18	24.16 0.06 -0.02	25.19 0.06 -0.35	32.47 0.18 -1.93	69.36 0.46 -7.96	68.29 0.50 -10.71	54.85 0.55 -8.29	54.08 0.86 -9.59	44.88 0.82 -4.96	42.89 0.87 -3.96	42.20 0.67 -2.98	49.44 0.64 -3.91	50.30 0.78 -4.15	44.70 0.63 -3.42	46.75 0.67 -4.11	51.54 0.73 -4.73	104.14 1.61 -11.56	78.00 0.92 -13.16	56.30 0.20 -6.13	66.87 0.19 -7.89	69.20 0.27 -10.15	46.62 0.19 -4.74



HAMPSHIRE___PAPER_HYD 323593	30.24 0.80 -0.34	29.68 0.85 -0.20	26.16 0.80 -0.05	24.72 0.63 -0.01	25.67 0.79 -0.09	32.08 1.20 -0.52	66.26 3.17 -2.15	63.32 3.24 -3.00	50.99 2.72 -2.27	60.94 2.40 -14.92	46.63 1.74 -5.80	40.36 1.28 -1.03	40.31 0.97 -0.79	46.88 0.96 -1.04	47.30 0.84 -1.10	42.29 0.74 -0.91	43.85 0.79 -1.09	48.04 0.71 -1.25	96.20 2.16 -3.07	69.27 1.86 -3.49	53.44 1.86 -1.62	63.64 2.76 -2.09	64.34 2.87 -2.69	44.91 1.96 -1.26
HARDSCRABBLE_WT_PWR 323673	29.39 0.30 0.00	28.93 0.30 0.00	25.52 0.22 0.00	24.31 0.23 0.00	25.02 0.24 0.00	30.65 0.29 0.00	61.70 0.76 0.00	57.59 0.50 0.00	46.32 0.32 0.00	44.75 0.68 -0.45	39.72 0.47 -0.16	38.12 0.07 0.00	39.07 0.51 0.00	45.81 0.92 0.00	46.11 0.74 0.00	41.57 0.92 0.00	43.01 1.04 0.00	47.55 1.47 0.00	94.08 3.11 0.00	66.30 2.37 0.00	51.16 1.20 0.00	59.58 0.78 0.00	58.95 0.17 0.00	41.75 0.06 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	29.92 0.83 0.00	29.36 0.74 0.00	25.90 0.60 0.00	24.62 0.54 0.00	25.33 0.55 0.00	31.01 0.66 0.00	62.18 1.24 0.00	58.33 1.25 0.00	47.00 1.00 0.00	45.06 1.44 0.00	40.51 1.41 0.00	39.75 1.48 -0.21	40.43 1.84 -0.04	47.19 2.31 0.00	47.82 2.45 0.00	42.87 2.22 0.00	44.31 2.34 0.00	48.78 2.70 0.00	96.54 5.57 0.00	67.55 3.62 0.00	51.96 1.99 0.00	60.55 1.75 0.00	60.26 1.48 0.00	42.62 0.92 0.00
HARSNRAD_115KV_TB1 81005	29.53 -0.10 -0.53	28.64 -0.29 -0.32	25.17 -0.20 -0.08	24.24 0.15 -0.01	25.02 0.10 -0.14	31.44 0.29 -0.80	64.19 -0.08 -3.33	61.44 -0.12 -4.48	50.05 0.59 -3.47	49.47 1.84 -4.01	42.92 1.79 -2.04	41.67 1.96 -1.66	41.29 1.50 -1.24	47.62 1.10 -1.64	48.71 1.61 -1.73	43.26 1.19 -1.43	44.62 0.93 -1.72	48.73 0.68 -1.98	97.65 1.85 -4.83	70.10 0.67 -5.50	52.10 -0.43 -2.56	62.40 0.31 -3.30	63.71 0.69 -4.24	44.73 1.06 -1.98
HARZA MOOSE___RIVER 24016	29.99 0.56 -0.33	29.49 0.67 -0.20	25.98 0.62 -0.05	24.55 0.47 -0.01	25.48 0.61 -0.09	31.89 1.02 -0.51	65.68 2.76 -1.98	62.64 2.81 -2.75	50.34 2.32 -2.03	51.71 2.26 -5.83	43.39 1.85 -2.45	40.57 1.57 -0.95	40.69 1.39 -0.75	47.43 1.56 -0.99	47.88 1.47 -1.05	42.85 1.34 -0.86	44.63 1.62 -1.04	49.09 1.83 -1.19	98.18 4.29 -2.92	70.44 3.20 -3.32	53.86 2.35 -1.55	63.54 2.76 -1.99	63.95 2.61 -2.56	44.60 1.71 -1.20
HDSNBRDG_115KV_BRDG_TB1 355580	29.65 -0.33 -0.89	28.80 -0.35 -0.53	25.10 -0.33 -0.12	23.83 -0.27 -0.02	24.74 -0.28 -0.24	31.44 -0.27 -1.36	66.11 -0.45 -5.62	64.34 -0.29 -7.55	51.74 -0.13 -5.87	51.09 0.18 -7.29	42.87 0.15 -3.63	41.03 0.17 -2.81	40.73 0.08 -2.10	47.65 0.00 -2.76	48.38 0.09 -2.92	43.14 0.09 -2.41	45.04 0.17 -2.89	49.57 0.16 -3.33	99.67 0.55 -8.15	73.45 0.26 -9.27	54.13 -0.15 -4.32	64.13 -0.22 -5.56	65.69 -0.24 -7.15	44.79 -0.25 -3.34
HELLGATE_13_KV_LD 55870	30.36 1.26 0.00	29.78 1.16 0.00	26.26 0.96 0.00	24.93 0.84 0.00	25.65 0.87 0.00	31.40 1.05 0.00	62.80 1.86 0.00	59.09 2.01 0.00	47.80 1.80 0.00	45.90 2.28 0.00	41.35 2.25 -0.01	40.63 2.33 -0.25	41.35 2.75 -0.05	48.23 3.33 -0.01	48.84 3.47 0.00	43.79 3.15 0.00	45.16 3.19 0.00	49.62 3.54 0.00	97.73 6.76 0.00	68.37 4.45 0.00	52.62 2.66 0.00	61.29 2.49 0.00	60.90 2.12 0.00	43.08 1.39 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	30.36 1.26 0.00	29.78 1.16 0.00	26.26 0.96 0.00	24.93 0.84 0.00	25.65 0.87 0.00	31.40 1.05 0.00	62.80 1.86 0.00	59.09 2.01 0.00	47.80 1.80 0.00	45.90 2.28 0.00	41.35 2.25 -0.01	40.63 2.33 -0.25	41.35 2.75 -0.05	48.23 3.33 -0.01	48.84 3.47 0.00	43.79 3.15 0.00	45.16 3.19 0.00	49.62 3.54 0.00	97.73 6.76 0.00	68.37 4.45 0.00	52.62 2.66 0.00	61.29 2.49 0.00	60.90 2.12 0.00	43.08 1.39 0.00
HEMPSTEAD___ 23647	29.83 0.74 0.00	29.31 0.69 0.00	25.80 0.50 0.00	24.49 0.41 0.00	25.20 0.42 0.00	30.70 0.35 0.00	53.42 0.22 7.74	41.27 0.31 16.12	45.01 0.45 1.44	44.67 1.05 0.00	40.32 1.23 0.00	39.61 1.32 -0.24	40.28 1.69 -0.04	49.44 2.07 -2.48	47.66 2.30 0.00	43.79 2.05 -1.10	44.51 2.06 -0.47	39.25 2.29 9.12	55.75 4.41 39.64	43.36 2.91 23.47	51.41 1.54 0.09	58.98 1.11 0.92	52.47 0.70 7.00	41.57 0.43 0.56
HICKLING___1 23621	29.66 -0.13 -0.70	28.96 -0.08 -0.42	25.29 -0.11 -0.10	24.19 0.10 -0.01	25.13 0.16 -0.19	31.83 0.43 -1.06	66.06 0.73 -4.38	63.65 0.67 -5.90	51.25 0.69 -4.57	50.42 1.52 -5.28	42.96 1.19 -2.68	41.59 1.35 -2.18	41.13 0.93 -1.64	47.77 0.73 -2.16	48.77 1.12 -2.28	43.55 1.03 -1.88	45.44 1.21 -2.26	49.65 0.97 -2.60	100.34 3.01 -6.36	72.56 1.40 -7.23	53.76 0.42 -3.37	64.04 0.91 -4.34	65.74 1.38 -5.58	44.87 0.57 -2.61
HICKLING___2 23622	29.66 -0.13 -0.70	28.96 -0.08 -0.42	25.29 -0.11 -0.10	24.19 0.10 -0.01	25.13 0.16 -0.19	31.83 0.43 -1.06	66.06 0.73 -4.38	63.65 0.67 -5.90	51.25 0.69 -4.57	50.42 1.52 -5.28	42.96 1.19 -2.68	41.59 1.35 -2.18	41.13 0.93 -1.64	47.77 0.73 -2.16	48.77 1.12 -2.28	43.55 1.03 -1.88	45.44 1.21 -2.26	49.65 0.97 -2.60	100.34 3.01 -6.36	72.56 1.40 -7.23	53.76 0.42 -3.37	64.04 0.91 -4.34	65.74 1.38 -5.58	44.87 0.57 -2.61
HIGH FALLS___HY 23754	29.93 0.83 0.00	29.39 0.77 0.00	25.92 0.62 0.00	24.64 0.56 0.00	25.33 0.55 0.00	31.03 0.68 0.00	62.25 1.31 0.00	58.48 1.40 0.00	47.17 1.17 0.00	45.26 1.64 0.00	40.57 1.48 0.00	39.68 1.48 -0.15	40.54 1.96 -0.03	47.41 2.52 0.00	47.96 2.59 0.00	43.00 2.36 0.00	44.49 2.52 0.00	49.05 2.97 0.00	97.07 6.10 0.00	68.01 4.08 0.00	52.34 2.37 0.00	61.01 2.21 0.00	60.68 1.90 0.00	42.84 1.14 0.00
HIGH_RIVER___SOLAR 323847	29.80 0.70 0.00	29.32 0.69 0.00	25.91 0.60 0.00	24.65 0.57 0.00	25.36 0.58 0.00	31.08 0.72 0.00	62.48 1.54 0.00	58.48 1.39 0.00	47.04 1.04 0.00	44.88 1.26 0.00	40.11 1.02 0.00	38.48 0.58 0.16	39.17 0.65 0.03	46.05 1.17 0.00	46.48 1.11 0.00	41.76 1.12 0.00	43.15 1.18 0.00	47.53 1.46 0.00	94.08 3.11 0.00	66.21 2.29 0.00	51.49 1.52 0.00	60.33 1.53 0.00	60.18 1.40 0.00	42.67 0.97 0.00
HILLBURN___GT 23639	29.88 0.79 0.00	29.32 0.69 0.00	25.86 0.55 0.00	24.57 0.49 0.00	25.28 0.50 0.00	30.96 0.61 0.00	62.07 1.14 0.00	58.23 1.15 0.00	46.92 0.93 0.00	44.98 1.36 0.00	40.47 1.38 0.00	39.76 1.48 -0.22	40.44 1.85 -0.04	47.17 2.28 0.00	47.81 2.44 0.00	42.81 2.17 0.00	44.26 2.28 0.00	48.70 2.63 0.00	96.46 5.49 0.00	67.44 3.52 0.00	51.83 1.86 0.00	60.36 1.56 0.00	60.05 1.27 0.00	42.47 0.77 0.00
HILLSIDE_115KV_TB1 80332	29.21 -0.58 -0.69	28.54 -0.50 -0.41	24.91 -0.49 -0.10	23.80 -0.29 -0.01	24.70 -0.27 -0.19	31.27 -0.13 -1.05	64.90 -0.41 -4.38	62.59 -0.38 -5.89	50.35 -0.20 -4.56	49.56 0.67 -5.27	42.15 0.39 -2.67	40.80 0.57 -2.18	40.35 0.16 -1.64	46.91 -0.13 -2.15	47.85 0.21 -2.28	42.70 0.19 -1.88	44.58 0.35 -2.25	48.76 0.08 -2.59	98.52 1.20 -6.35	71.22 0.08 -7.22	52.76 -0.56 -3.37	62.89 -0.24 -4.33	64.67 0.32 -5.57	44.04 -0.25 -2.60



HISHELDN_WT_PWR 323625	29.52 -0.15 -0.57	28.72 -0.25 -0.34	25.18 -0.20 -0.08	24.26 0.16 -0.01	25.13 0.19 -0.16	31.65 0.43 -0.87	64.94 0.40 -3.60	62.30 0.32 -4.90	50.56 0.77 -3.80	49.83 1.82 -4.39	42.98 1.66 -2.23	41.76 1.89 -1.82	41.33 1.42 -1.36	47.69 1.02 -1.79	48.76 1.52 -1.87	43.45 1.27 -1.54	44.99 1.16 -1.85	49.06 0.85 -2.13	98.77 2.58 -5.22	71.09 1.22 -5.94	52.79 0.06 -2.77	63.12 0.76 -3.56	64.55 1.19 -4.59	44.92 1.09 -2.14
HOLTSVILLE_IC_1 23690	29.62 0.52 0.00	29.11 0.49 0.00	25.59 0.29 0.00	24.30 0.22 0.00	25.01 0.22 0.00	30.40 0.04 0.00	46.32 -0.52 14.10	28.05 -0.33 28.71	43.34 -0.11 2.55	44.21 0.59 0.00	39.93 0.84 0.00	39.16 0.86 -0.24	39.90 1.31 -0.04	40.44 1.38 5.82	47.05 1.68 0.00	42.87 1.49 -0.74	43.23 1.42 0.17	30.90 1.57 16.75	21.43 3.05 72.59	22.75 2.06 43.23	50.57 0.77 0.17	57.32 0.23 1.70	45.60 -0.28 12.90	40.50 -0.09 1.10
HOLTSVILLE_IC_10 23699	29.75 0.65 0.00	29.23 0.60 0.00	25.70 0.39 0.00	24.40 0.32 0.00	25.10 0.33 0.00	30.52 0.17 0.00	46.72 -0.24 13.98	28.56 -0.04 28.48	43.59 0.12 2.53	44.46 0.85 0.00	40.15 1.06 0.00	39.51 1.09 -0.37	42.05 1.54 -1.96	44.49 1.64 2.03	48.16 1.98 -0.81	43.13 1.75 -0.74	43.50 1.69 0.16	31.34 1.87 16.61	22.60 3.61 71.98	23.52 2.46 42.86	50.87 1.07 0.17	57.69 0.58 1.69	46.04 0.05 12.79	40.72 0.12 1.09
HOLTSVILLE_IC_2 23691	29.62 0.52 0.00	29.11 0.49 0.00	25.59 0.29 0.00	24.30 0.22 0.00	25.01 0.22 0.00	30.40 0.04 0.00	46.32 -0.52 14.10	28.05 -0.33 28.71	43.34 -0.11 2.55	44.21 0.59 0.00	39.93 0.84 0.00	39.16 0.86 -0.24	39.90 1.31 -0.04	40.44 1.38 5.82	47.05 1.68 0.00	42.87 1.49 -0.74	43.23 1.42 0.17	30.90 1.57 16.75	21.43 3.05 72.59	22.75 2.06 43.23	50.57 0.77 0.17	57.32 0.23 1.70	45.60 -0.28 12.90	40.50 -0.09 1.10
HOLTSVILLE_IC_3 23692	29.62 0.52 0.00	29.11 0.49 0.00	25.59 0.29 0.00	24.30 0.22 0.00	25.01 0.22 0.00	30.40 0.04 0.00	46.32 -0.52 14.10	28.05 -0.33 28.71	43.34 -0.11 2.55	44.21 0.59 0.00	39.93 0.84 0.00	39.16 0.86 -0.24	39.90 1.31 -0.04	40.44 1.38 5.82	47.05 1.68 0.00	42.87 1.49 -0.74	43.23 1.42 0.17	30.90 1.57 16.75	21.43 3.05 72.59	22.75 2.06 43.23	50.57 0.77 0.17	57.32 0.23 1.70	45.60 -0.28 12.90	40.50 -0.09 1.10
HOLTSVILLE_IC_4 23693	29.62 0.52 0.00	29.11 0.49 0.00	25.59 0.29 0.00	24.30 0.22 0.00	25.01 0.22 0.00	30.40 0.04 0.00	46.32 -0.52 14.10	28.05 -0.33 28.71	43.34 -0.11 2.55	44.21 0.59 0.00	39.93 0.84 0.00	39.16 0.86 -0.24	39.90 1.31 -0.04	40.44 1.38 5.82	47.05 1.68 0.00	42.87 1.49 -0.74	43.23 1.42 0.17	30.90 1.57 16.75	21.43 3.05 72.59	22.75 2.06 43.23	50.57 0.77 0.17	57.32 0.23 1.70	45.60 -0.28 12.90	40.50 -0.09 1.10
HOLTSVILLE_IC_5 23694	29.62 0.52 0.00	29.11 0.49 0.00	25.59 0.29 0.00	24.30 0.22 0.00	25.01 0.22 0.00	30.40 0.04 0.00	46.32 -0.52 14.10	28.05 -0.33 28.71	43.34 -0.11 2.55	44.21 0.59 0.00	39.93 0.84 0.00	39.16 0.86 -0.24	39.90 1.31 -0.04	40.44 1.38 5.82	47.05 1.68 0.00	42.87 1.49 -0.74	43.23 1.42 0.17	30.90 1.57 16.75	21.43 3.05 72.59	22.75 2.06 43.23	50.57 0.77 0.17	57.32 0.23 1.70	45.60 -0.28 12.90	40.50 -0.09 1.10
HOLTSVILLE_IC_6 23695	29.75 0.65 0.00	29.23 0.60 0.00	25.70 0.39 0.00	24.40 0.32 0.00	25.10 0.33 0.00	30.52 0.17 0.00	46.72 -0.24 13.98	28.56 -0.04 28.48	43.59 0.12 2.53	44.46 0.85 0.00	40.15 1.06 0.00	39.51 1.09 -0.37	42.05 1.54 -1.96	44.49 1.64 2.03	48.16 1.98 -0.81	43.13 1.75 -0.74	43.50 1.69 0.16	31.34 1.87 16.61	22.60 3.61 71.98	23.52 2.46 42.86	50.87 1.07 0.17	57.69 0.58 1.69	46.04 0.05 12.79	40.72 0.12 1.09
HOLTSVILLE_IC_7 23696	29.75 0.65 0.00	29.23 0.60 0.00	25.70 0.39 0.00	24.40 0.32 0.00	25.10 0.33 0.00	30.52 0.17 0.00	46.72 -0.24 13.98	28.56 -0.04 28.48	43.59 0.12 2.53	44.46 0.85 0.00	40.15 1.06 0.00	39.51 1.09 -0.37	42.05 1.54 -1.96	44.49 1.64 2.03	48.16 1.98 -0.81	43.13 1.75 -0.74	43.50 1.69 0.16	31.34 1.87 16.61	22.60 3.61 71.98	23.52 2.46 42.86	50.87 1.07 0.17	57.69 0.58 1.69	46.04 0.05 12.79	40.72 0.12 1.09
HOLTSVILLE_IC_8 23697	29.75 0.65 0.00	29.23 0.60 0.00	25.70 0.39 0.00	24.40 0.32 0.00	25.10 0.33 0.00	30.52 0.17 0.00	46.72 -0.24 13.98	28.56 -0.04 28.48	43.59 0.12 2.53	44.46 0.85 0.00	40.15 1.06 0.00	39.51 1.09 -0.37	42.05 1.54 -1.96	44.49 1.64 2.03	48.16 1.98 -0.81	43.13 1.75 -0.74	43.50 1.69 0.16	31.34 1.87 16.61	22.60 3.61 71.98	23.52 2.46 42.86	50.87 1.07 0.17	57.69 0.58 1.69	46.04 0.05 12.79	40.72 0.12 1.09
HOLTSVILLE_IC_9 23698	29.75 0.65 0.00	29.23 0.60 0.00	25.70 0.39 0.00	24.40 0.32 0.00	25.10 0.33 0.00	30.52 0.17 0.00	46.72 -0.24 13.98	28.56 -0.04 28.48	43.59 0.12 2.53	44.46 0.85 0.00	40.15 1.06 0.00	39.51 1.09 -0.37	42.05 1.54 -1.96	44.49 1.64 2.03	48.16 1.98 -0.81	43.13 1.75 -0.74	43.50 1.69 0.16	31.34 1.87 16.61	22.60 3.61 71.98	23.52 2.46 42.86	50.87 1.07 0.17	57.69 0.58 1.69	46.04 0.05 12.79	40.72 0.12 1.09
HOMER_HL_115KV_TB2 355744	29.54 -0.11 -0.55	28.75 -0.21 -0.33	25.23 -0.14 -0.08	24.25 0.16 -0.01	25.07 0.14 -0.15	31.63 0.44 -0.84	65.17 0.73 -3.50	62.65 0.88 -4.69	50.70 1.07 -3.63	49.93 2.11 -4.20	43.01 1.79 -2.13	41.69 1.91 -1.74	40.86 1.00 -1.31	46.92 0.32 -1.71	47.85 0.66 -1.82	42.41 0.27 -1.50	43.98 0.21 -1.80	48.11 -0.04 -2.08	97.19 1.14 -5.07	70.13 0.43 -5.77	52.19 -0.46 -2.69	62.52 0.26 -3.46	64.19 0.96 -4.45	44.40 0.62 -2.08
HOWARD_WT_PWR 323690	29.61 -0.18 -0.69	29.04 0.01 -0.41	25.49 0.09 -0.10	24.52 0.43 -0.01	25.55 0.58 -0.19	32.39 0.98 -1.05	67.07 1.77 -4.37	64.32 1.35 -5.88	52.05 1.50 -4.56	51.21 2.32 -5.27	43.73 1.97 -2.67	42.38 2.15 -2.18	41.91 1.72 -1.64	48.38 1.35 -2.15	49.48 1.84 -2.27	44.29 1.78 -1.87	46.08 1.85 -2.25	50.20 1.53 -2.59	101.75 4.45 -6.33	73.81 2.69 -7.20	54.65 1.33 -3.36	65.17 2.06 -4.32	66.72 2.39 -5.56	45.86 1.58 -2.59
HQ_GEN_CEDARS 23644	29.81 0.71 0.00	29.29 0.67 0.00	25.90 0.60 0.00	24.64 0.56 0.00	25.40 0.62 0.00	31.14 0.79 0.00	62.58 1.64 0.00	58.60 1.52 0.00	47.31 1.31 0.00	74.30 0.78 -29.90	49.44 0.58 -9.76	38.49 0.44 0.00	38.75 0.20 0.00	44.95 0.07 0.00	45.37 0.00 0.00	40.56 -0.09 0.00	41.74 -0.23 0.00	45.58 -0.50 0.00	90.15 -0.82 0.00	63.61 -0.31 0.00	50.57 0.61 0.00	60.09 1.29 0.00	60.40 1.62 0.00	42.92 1.23 0.00
HQ_GEN_CEDARS_PROXY 323590	29.81 0.71 0.00	29.29 0.67 0.00	25.90 0.60 0.00	24.64 0.56 0.00	25.40 0.62 0.00	31.14 0.79 0.00	62.58 1.64 0.00	58.60 1.52 0.00	47.31 1.31 0.00	74.30 0.78 -29.90	49.43 0.58 -9.76	38.49 0.44 0.00	38.75 0.20 0.00	44.95 0.07 0.00	45.37 0.00 0.00	40.56 -0.09 0.00	41.75 -0.23 0.00	45.58 -0.50 0.00	90.19 -0.78 0.00	63.61 -0.31 0.00	50.57 0.61 0.00	60.08 1.29 0.00	60.40 1.62 0.00	42.92 1.23 0.00



HQ_GEN_IMPORT 323601	29.38 0.28 0.00	28.88 0.26 0.00	25.54 0.24 0.00	24.29 0.21 0.00	25.01 0.24 0.00	30.63 0.28 0.00	61.53 0.59 0.00	58.36 0.55 -0.73	46.41 0.41 0.00	42.68 0.00 0.94	38.71 -0.04 0.34	37.97 -0.08 0.00	38.37 -0.18 0.00	44.62 -0.27 0.00	45.55 -0.31 -0.49	45.51 -0.30 -5.17	41.61 -0.37 0.00	45.65 -0.43 0.00	90.33 -0.85 -0.21	63.41 -0.52 0.00	50.08 0.12 0.00	59.26 0.47 0.00	59.46 0.61 -0.07	42.17 0.47 0.00
HQ_GEN_WHEEL 23651	29.38 0.28 0.00	28.88 0.26 0.00	25.54 0.24 0.00	24.29 0.21 0.00	25.01 0.24 0.00	30.63 0.28 0.00	61.53 0.59 0.00	58.36 0.55 -0.73	46.41 0.41 0.00	42.68 0.00 0.94	38.71 -0.04 0.34	37.97 -0.08 0.00	38.37 -0.18 0.00	44.62 -0.27 0.00	45.55 -0.31 -0.49	45.51 -0.30 -5.17	41.61 -0.37 0.00	45.65 -0.43 0.00	90.33 -0.85 -0.21	63.41 -0.52 0.00	50.08 0.12 0.00	59.26 0.47 0.00	59.46 0.61 -0.07	42.17 0.47 0.00
HUDSON AVE_GT_3 23810	30.19 1.10 0.00	29.62 0.99 0.00	26.11 0.81 0.00	24.81 0.73 0.00	25.51 0.74 0.00	31.24 0.88 0.00	62.48 1.55 0.00	58.64 1.55 0.00	47.41 1.42 0.00	45.52 1.89 0.00	40.99 1.90 0.00	40.28 1.99 -0.24	41.00 2.41 -0.04	47.82 2.94 0.00	48.45 3.08 0.00	43.43 2.78 0.00	44.83 2.85 0.00	49.26 3.18 0.00	97.34 6.37 0.00	68.08 4.15 0.00	52.36 2.40 0.00	60.97 2.17 0.00	60.60 1.82 0.00	42.86 1.16 0.00
HUDSON AVE_GT_4 23540	30.19 1.10 0.00	29.62 0.99 0.00	26.11 0.81 0.00	24.81 0.73 0.00	25.51 0.74 0.00	31.24 0.88 0.00	62.48 1.55 0.00	58.64 1.55 0.00	47.41 1.42 0.00	45.52 1.89 0.00	40.99 1.90 0.00	40.28 1.99 -0.24	41.00 2.41 -0.04	47.82 2.94 0.00	48.45 3.08 0.00	43.43 2.78 0.00	44.83 2.85 0.00	49.26 3.18 0.00	97.34 6.37 0.00	68.08 4.15 0.00	52.36 2.40 0.00	60.97 2.17 0.00	60.60 1.82 0.00	42.86 1.16 0.00
HUDSON AVE_GT_5 23657	30.19 1.10 0.00	29.62 0.99 0.00	26.11 0.81 0.00	24.81 0.73 0.00	25.51 0.74 0.00	31.24 0.88 0.00	62.48 1.55 0.00	58.64 1.55 0.00	47.41 1.42 0.00	45.52 1.89 0.00	40.99 1.90 0.00	40.28 1.99 -0.24	41.00 2.41 -0.04	47.82 2.94 0.00	48.45 3.08 0.00	43.43 2.78 0.00	44.83 2.85 0.00	49.26 3.18 0.00	97.34 6.37 0.00	68.08 4.15 0.00	52.36 2.40 0.00	60.97 2.17 0.00	60.60 1.82 0.00	42.86 1.16 0.00
HUDSON_AVE_10 24168	30.08 0.98 0.00	29.51 0.89 0.00	26.03 0.73 0.00	24.72 0.64 0.00	25.44 0.66 0.00	31.13 0.77 0.00	62.21 1.27 0.00	58.38 1.30 0.00	47.21 1.21 0.00	45.31 1.69 0.00	40.78 1.69 0.00	40.09 1.79 -0.24	40.83 2.23 -0.04	50.53 2.73 -2.92	48.23 2.86 0.00	43.25 2.60 0.00	44.65 2.68 0.00	49.08 3.00 0.00	96.97 6.00 0.00	67.85 3.92 0.00	52.19 2.23 0.00	60.76 1.96 0.00	60.40 1.62 0.00	42.70 1.01 0.00
HUDSON___115KV_TB 4 355613	29.43 0.34 0.00	28.97 0.35 0.00	25.60 0.30 0.00	24.34 0.26 0.00	25.04 0.26 0.00	30.61 0.26 0.00	61.35 0.41 0.00	57.23 0.14 0.00	45.85 -0.14 0.00	43.51 -0.11 0.00	39.11 0.01 0.00	38.00 0.07 0.13	38.62 0.09 0.02	45.01 0.12 0.00	45.38 0.01 0.00	40.76 0.11 0.00	42.23 0.26 0.00	46.44 0.36 0.00	91.54 0.57 0.00	64.43 0.51 0.00	50.07 0.11 0.00	58.47 -0.32 0.00	58.23 -0.55 0.00	41.38 -0.31 0.00
HUNTER MOUNT___DRP 323613	29.49 0.40 0.00	29.04 0.41 0.00	25.66 0.35 0.00	24.40 0.32 0.00	25.09 0.31 0.00	30.70 0.35 0.00	61.60 0.66 0.00	57.52 0.44 0.00	46.06 0.06 0.00	43.60 -0.02 0.00	39.18 0.09 0.00	38.14 0.16 0.08	38.66 0.12 0.01	45.01 0.12 0.00	45.37 0.00 0.00	40.75 0.10 0.00	42.28 0.31 0.00	46.48 0.40 0.00	91.56 0.59 0.00	64.46 0.54 0.00	50.15 0.19 0.00	58.55 -0.25 0.00	58.29 -0.49 0.00	41.43 -0.27 0.00
HUNTINGTON_RES_REC 323705	29.74 0.64 0.00	29.22 0.60 0.00	25.69 0.39 0.00	24.39 0.31 0.00	25.10 0.32 0.00	30.49 0.14 0.00	46.60 -0.40 13.94	28.51 -0.18 28.39	43.48 0.01 2.52	44.36 0.74 0.00	40.05 0.96 -4.02	39.37 1.08 -2.04	40.16 1.56 -0.04	40.91 1.65 5.62	47.38 2.01 0.00	43.17 1.78 -0.74	43.53 1.71 0.16	31.41 1.88 16.56	22.84 3.63 71.76	23.60 2.40 42.73	50.90 1.10 0.17	57.71 0.59 1.68	46.07 0.04 12.75	40.69 0.09 1.09
HUNTLEY___63 23557	29.79 0.16 -0.53	28.90 -0.04 -0.32	25.38 0.00 -0.08	24.44 0.35 -0.01	25.23 0.30 -0.14	31.70 0.54 -0.81	64.61 0.32 -3.35	61.72 0.15 -4.49	50.32 0.84 -3.48	49.77 2.13 -4.02	43.29 2.16 -2.04	42.08 2.37 -1.66	41.59 1.79 -1.25	47.94 1.41 -1.64	49.04 1.93 -1.74	43.56 1.48 -1.44	44.97 1.27 -1.72	49.10 1.03 -1.99	98.04 2.22 -4.85	70.35 0.90 -5.53	52.37 -0.17 -2.58	62.63 0.52 -3.31	64.04 1.00 -4.26	45.16 1.47 -1.99
HUNTLEY___64 23558	29.79 0.16 -0.53	28.90 -0.04 -0.32	25.38 0.00 -0.08	24.44 0.35 -0.01	25.23 0.30 -0.14	31.70 0.54 -0.81	64.61 0.32 -3.35	61.72 0.15 -4.49	50.32 0.84 -3.48	49.77 2.13 -4.02	43.29 2.16 -2.04	42.08 2.37 -1.66	41.59 1.79 -1.25	47.94 1.41 -1.64	49.04 1.93 -1.74	43.56 1.48 -1.44	44.97 1.27 -1.72	49.10 1.03 -1.99	98.04 2.22 -4.85	70.35 0.90 -5.53	52.37 -0.17 -2.58	62.63 0.52 -3.31	64.04 1.00 -4.26	45.16 1.47 -1.99
HUNTLEY___65 23559	29.79 0.16 -0.53	28.90 -0.04 -0.32	25.38 0.00 -0.08	24.44 0.35 -0.01	25.23 0.30 -0.14	31.70 0.54 -0.81	64.61 0.32 -3.35	61.72 0.15 -4.49	50.32 0.84 -3.48	49.77 2.13 -4.02	43.29 2.16 -2.04	42.08 2.37 -1.66	41.59 1.79 -1.25	47.94 1.41 -1.64	49.04 1.93 -1.74	43.56 1.48 -1.44	44.97 1.27 -1.72	49.10 1.03 -1.99	98.04 2.22 -4.85	70.35 0.90 -5.53	52.37 -0.17 -2.58	62.63 0.52 -3.31	64.04 1.00 -4.26	45.16 1.47 -1.99
HUNTLEY___66 23560	29.79 0.16 -0.53	28.90 -0.04 -0.32	25.38 0.00 -0.08	24.44 0.35 -0.01	25.23 0.30 -0.14	31.70 0.54 -0.81	64.61 0.32 -3.35	61.72 0.15 -4.49	50.32 0.84 -3.48	49.77 2.13 -4.02	43.29 2.16 -2.04	42.08 2.37 -1.66	41.59 1.79 -1.25	47.94 1.41 -1.64	49.04 1.93 -1.74	43.56 1.48 -1.44	44.97 1.27 -1.72	49.10 1.03 -1.99	98.04 2.22 -4.85	70.35 0.90 -5.53	52.37 -0.17 -2.58	62.63 0.52 -3.31	64.04 1.00 -4.26	45.16 1.47 -1.99
HUNTLEY___67 23561	29.52 -0.11 -0.53	28.66 -0.28 -0.32	25.19 -0.18 -0.08	24.26 0.17 -0.01	25.05 0.13 -0.15	31.48 0.32 -0.81	64.39 0.09 -3.36	61.58 0.03 -4.47	50.15 0.68 -3.47	49.54 1.92 -4.01	43.03 1.91 -2.03	41.80 2.09 -1.66	41.33 1.53 -1.24	47.73 1.20 -1.64	48.82 1.71 -1.75	43.36 1.28 -1.44	44.82 1.11 -1.73	48.93 0.85 -1.99	97.98 2.14 -4.87	70.28 0.81 -5.54	52.25 -0.29 -2.58	62.57 0.45 -3.32	63.90 0.84 -4.28	44.77 1.08 -2.00
HUNTLEY___68 23562	29.52 -0.11 -0.53	28.66 -0.28 -0.32	25.19 -0.18 -0.08	24.26 0.17 -0.01	25.05 0.13 -0.15	31.48 0.32 -0.81	64.39 0.09 -3.36	61.58 0.03 -4.47	50.15 0.68 -3.47	49.54 1.92 -4.01	43.03 1.91 -2.03	41.80 2.09 -1.66	41.33 1.53 -1.24	47.73 1.20 -1.64	48.82 1.71 -1.75	43.36 1.28 -1.44	44.82 1.11 -1.73	48.93 0.85 -1.99	97.98 2.14 -4.87	70.28 0.81 -5.54	52.25 -0.29 -2.58	62.57 0.45 -3.32	63.90 0.84 -4.28	44.77 1.08 -2.00



HYLAND___LFGE 323620	31.14 1.44 -0.61	30.28 1.30 -0.36	26.54 1.16 -0.08	25.42 1.33 -0.01	26.37 1.42 -0.17	33.29 2.02 -0.92	69.03 4.29 -3.81	66.39 4.17 -5.14	53.64 3.66 -3.98	51.83 3.61 -4.60	44.38 2.95 -2.33	43.10 3.14 -1.90	42.43 2.45 -1.43	49.03 2.27 -1.88	50.12 2.77 -1.98	45.13 2.85 -1.63	47.11 3.18 -1.96	50.95 2.61 -2.26	105.13 8.63 -5.53	76.32 6.10 -6.29	56.79 3.89 -2.93	67.40 4.83 -3.77	68.33 4.70 -4.85	47.08 3.12 -2.27
INDECK___CORINTH 23802	29.82 0.73 0.00	29.39 0.77 0.00	25.99 0.69 0.00	24.70 0.62 0.00	25.37 0.59 0.00	30.91 0.55 0.00	62.08 1.14 0.00	58.05 0.97 0.00	46.61 0.61 0.00	44.50 0.88 0.00	39.89 0.80 0.00	38.56 0.74 0.23	39.49 0.98 0.04	46.24 1.35 0.00	46.50 1.13 0.00	41.56 0.92 0.00	43.04 1.07 0.00	47.43 1.35 0.00	93.83 2.86 0.00	66.13 2.20 0.00	51.51 1.54 0.00	60.14 1.35 0.00	59.58 0.80 0.00	42.31 0.62 0.00
INDECK___ILION 23567	29.12 0.03 0.00	28.66 0.04 0.00	25.34 0.04 0.00	24.11 0.03 0.00	24.80 0.03 0.00	30.39 0.03 0.00	61.06 0.12 0.00	57.22 0.13 0.00	46.10 0.10 0.00	44.29 0.22 -0.45	39.48 0.22 -0.16	38.28 0.22 0.00	38.82 0.27 0.00	45.23 0.35 0.00	45.69 0.32 0.00	40.96 0.32 0.00	42.34 0.37 0.00	46.50 0.42 0.00	91.82 0.85 0.00	64.52 0.60 0.00	50.25 0.28 0.00	58.97 0.18 0.00	58.87 0.09 0.00	41.74 0.04 0.00
INDECK___OLEAN 23982	29.54 -0.11 -0.55	28.74 -0.21 -0.33	25.24 -0.14 -0.08	24.25 0.16 -0.01	25.07 0.14 -0.15	31.63 0.44 -0.84	65.15 0.72 -3.50	62.66 0.89 -4.69	50.69 1.06 -3.63	49.93 2.11 -4.20	43.00 1.77 -2.13	41.69 1.90 -1.74	40.86 1.00 -1.31	46.92 0.32 -1.71	47.86 0.67 -1.82	42.40 0.26 -1.50	43.99 0.21 -1.80	48.10 -0.05 -2.08	97.13 1.09 -5.07	70.16 0.47 -5.77	52.18 -0.48 -2.69	62.52 0.26 -3.46	64.19 0.96 -4.45	44.39 0.62 -2.08
INDECK___OSWEGO 23783	30.80 -0.88 -2.58	29.29 -0.86 -1.54	24.90 -0.77 -0.36	23.41 -0.72 -0.05	24.76 -0.72 -0.70	33.46 -0.81 -3.92	75.53 -1.53 -16.12	77.37 -1.43 -21.72	61.67 -1.08 -16.76	62.88 -0.81 -20.07	48.42 -0.75 -10.08	45.29 -0.76 -8.00	43.75 -0.85 -6.04	51.76 -1.06 -7.94	52.75 -1.02 -8.41	46.69 -0.89 -6.93	49.45 -0.84 -8.32	54.73 -0.93 -9.58	112.82 -1.60 -23.45	89.44 -1.16 -26.68	61.25 -1.15 -12.43	73.42 -1.37 -15.99	77.99 -1.37 -20.58	50.26 -1.04 -9.60
INDECK___YERKES 23781	29.81 0.19 -0.53	28.92 -0.02 -0.32	25.40 0.03 -0.08	24.46 0.37 -0.01	25.24 0.32 -0.14	31.73 0.57 -0.81	64.65 0.37 -3.35	61.78 0.20 -4.49	50.38 0.90 -3.48	49.81 2.17 -4.02	43.32 2.19 -2.04	42.11 2.39 -1.66	41.61 1.80 -1.25	47.92 1.40 -1.64	49.02 1.91 -1.74	43.55 1.47 -1.43	44.96 1.26 -1.72	49.09 1.03 -1.99	97.94 2.11 -4.85	70.34 0.89 -5.53	52.34 -0.20 -2.58	62.61 0.51 -3.31	64.08 1.04 -4.26	45.20 1.52 -1.99
INDIAN POINT_GT_1 24139	29.84 0.75 0.00	29.31 0.69 0.00	25.85 0.54 0.00	24.56 0.48 0.00	25.26 0.48 0.00	30.92 0.56 0.00	61.93 0.99 0.00	58.09 1.00 0.00	46.84 0.85 0.00	44.91 1.29 0.00	40.41 1.31 0.00	39.70 1.41 -0.24	40.36 1.77 -0.04	47.10 2.21 0.00	47.70 2.33 0.00	42.74 2.10 0.00	44.14 2.17 0.00	48.57 2.49 0.00	96.07 5.10 0.00	67.21 3.29 0.00	51.72 1.76 0.00	60.25 1.45 0.00	59.94 1.16 0.00	42.42 0.72 0.00
INDIAN POINT_GT_2 23659	29.84 0.75 0.00	29.31 0.69 0.00	25.85 0.54 0.00	24.56 0.48 0.00	25.26 0.48 0.00	30.92 0.56 0.00	61.93 0.99 0.00	58.09 1.00 0.00	46.84 0.85 0.00	44.91 1.29 0.00	40.41 1.31 0.00	39.70 1.41 -0.24	40.36 1.77 -0.04	47.10 2.21 0.00	47.70 2.33 0.00	42.74 2.10 0.00	44.14 2.17 0.00	48.57 2.49 0.00	96.07 5.10 0.00	67.21 3.29 0.00	51.72 1.76 0.00	60.25 1.45 0.00	59.94 1.16 0.00	42.42 0.72 0.00
INDIAN POINT_GT_3 24019	29.84 0.75 0.00	29.31 0.69 0.00	25.85 0.54 0.00	24.56 0.48 0.00	25.26 0.48 0.00	30.92 0.56 0.00	61.93 0.99 0.00	58.09 1.00 0.00	46.84 0.85 0.00	44.91 1.29 0.00	40.41 1.31 0.00	39.70 1.41 -0.24	40.36 1.77 -0.04	47.10 2.21 0.00	47.70 2.33 0.00	42.74 2.10 0.00	44.14 2.17 0.00	48.57 2.49 0.00	96.07 5.10 0.00	67.21 3.29 0.00	51.72 1.76 0.00	60.25 1.45 0.00	59.94 1.16 0.00	42.42 0.72 0.00
INDIAN POINT___2 23530	29.84 0.74 0.00	29.28 0.66 0.00	25.83 0.53 0.00	24.54 0.46 0.00	25.25 0.47 0.00	30.90 0.55 0.00	61.90 0.96 0.00	58.06 0.97 0.00	46.81 0.81 0.00	44.89 1.27 0.00	40.40 1.31 0.00	39.68 1.39 -0.23	40.35 1.76 -0.04	47.06 2.18 0.00	47.68 2.31 0.00	42.72 2.08 0.00	44.13 2.16 0.00	48.55 2.48 0.00	96.04 5.08 0.00	67.19 3.27 0.00	51.68 1.72 0.00	60.20 1.40 0.00	59.89 1.11 0.00	42.37 0.68 0.00
INDIAN POINT___3 23531	29.82 0.73 0.00	29.28 0.66 0.00	25.83 0.53 0.00	24.55 0.47 0.00	25.25 0.47 0.00	30.90 0.55 0.00	61.90 0.96 0.00	58.05 0.97 0.00	46.81 0.82 0.00	44.87 1.25 0.00	40.37 1.27 0.00	39.65 1.36 -0.24	40.33 1.73 -0.04	47.04 2.16 0.00	47.64 2.28 0.00	42.69 2.05 0.00	44.10 2.12 0.00	48.51 2.43 0.00	95.96 4.99 0.00	67.14 3.22 0.00	51.67 1.70 0.00	60.17 1.38 0.00	59.88 1.10 0.00	42.37 0.67 0.00
INGHAM_C_115KV_TB7 356103	29.40 0.31 0.00	28.95 0.32 0.00	25.53 0.22 0.00	24.31 0.23 0.00	25.02 0.24 0.00	30.63 0.27 0.00	61.65 0.71 0.00	57.49 0.41 0.00	46.20 0.20 0.00	44.71 0.64 -0.45	39.63 0.38 -0.16	37.91 -0.15 0.00	38.97 0.42 0.00	45.80 0.92 0.00	46.07 0.70 0.00	41.58 0.94 0.00	43.04 1.07 0.00	47.65 1.57 0.00	94.36 3.39 0.00	66.55 2.62 0.00	51.24 1.27 0.00	59.52 0.73 0.00	58.75 -0.04 0.00	41.60 -0.09 0.00
IP CORINTH___1 23988	29.98 0.89 0.00	29.54 0.92 0.00	26.13 0.83 0.00	24.83 0.75 0.00	25.50 0.72 0.00	31.09 0.73 0.00	62.45 1.51 0.00	58.40 1.31 0.00	46.89 0.89 0.00	44.77 1.15 0.00	40.13 1.04 0.00	38.80 0.98 0.23	39.72 1.21 0.04	46.50 1.62 0.00	46.77 1.41 0.00	41.80 1.16 0.00	43.29 1.31 0.00	47.70 1.62 0.00	94.37 3.40 0.00	66.51 2.58 0.00	51.80 1.83 0.00	60.50 1.70 0.00	59.93 1.15 0.00	42.57 0.87 0.00
IP___TICONDEROGA 23804	31.68 2.59 0.00	31.34 2.72 0.00	27.81 2.51 0.00	26.35 2.28 0.00	26.92 2.14 0.00	32.92 2.56 0.00	66.05 5.11 0.00	61.66 4.58 0.00	49.26 3.27 0.00	47.07 3.45 0.00	42.23 3.14 0.00	40.91 3.09 0.24	42.25 3.74 0.04	49.47 4.58 0.00	49.31 3.94 0.00	43.80 3.16 0.00	45.57 3.59 0.00	50.43 4.35 0.00	99.99 9.02 0.00	70.61 6.69 0.00	55.24 5.27 0.00	64.12 5.32 0.00	62.74 3.97 0.00	44.62 2.93 0.00
ISLIP_RES_REC 323679	29.89 0.79 0.00	29.36 0.73 0.00	25.81 0.51 0.00	24.50 0.42 0.00	25.22 0.44 0.00	30.67 0.31 0.00	47.09 0.06 13.90	28.96 0.20 28.33	43.83 0.35 2.51	44.79 1.17 0.00	40.46 1.36 0.00	39.76 1.37 -0.33	41.79 1.80 -1.43	43.88 1.91 2.91	48.21 2.26 -0.59	43.41 2.02 -0.75	43.80 1.98 0.15	31.74 2.18 16.51	23.62 4.22 71.58	24.16 2.86 42.62	51.17 1.37 0.17	58.03 0.90 1.68	46.42 0.35 12.72	40.92 0.31 1.09



JAMAICA__27_KV_LOAD 355505	30.24 1.14 0.00	29.67 1.05 0.00	26.18 0.88 0.00	24.88 0.80 0.00	25.58 0.80 0.00	31.29 0.93 0.00	62.31 1.37 0.00	58.49 1.41 0.00	47.32 1.32 0.00	45.40 1.77 0.00	40.80 1.71 0.00	40.16 1.87 -0.24	40.90 2.31 -0.04	51.42 2.80 -3.73	48.29 2.92 0.00	43.38 2.74 0.00	44.87 2.89 0.00	49.34 3.26 0.00	97.42 6.45 0.00	68.18 4.26 0.00	52.51 2.55 0.00	61.11 2.31 0.00	60.74 1.96 0.00	42.93 1.23 0.00
JANIS__SOLAR 323808	30.64 0.79 -0.75	29.87 0.80 -0.45	26.08 0.67 -0.10	24.83 0.73 -0.02	25.76 0.78 -0.21	32.65 1.15 -1.15	68.37 2.66 -4.77	66.12 2.62 -6.41	53.10 2.15 -4.96	51.78 2.43 -5.74	43.97 1.97 -2.91	42.40 1.97 -2.37	41.99 1.65 -1.78	48.87 1.65 -2.34	49.79 1.94 -2.48	44.78 2.08 -2.05	46.78 2.35 -2.46	51.57 2.66 -2.83	103.74 5.86 -6.92	75.72 3.92 -7.87	56.14 2.50 -3.67	66.38 2.86 -4.72	67.69 2.83 -6.07	46.22 1.69 -2.83
JARVIS____ 23743	29.05 -0.05 0.00	28.59 -0.03 0.00	25.28 -0.03 0.00	24.06 -0.02 0.00	24.75 -0.03 0.00	30.32 -0.03 0.00	60.91 -0.03 0.00	57.05 -0.03 0.00	45.96 -0.03 0.00	44.15 0.08 -0.45	39.36 0.10 -0.16	38.15 0.10 0.00	38.70 0.15 0.00	45.11 0.22 0.00	45.58 0.21 0.00	40.85 0.20 0.00	42.20 0.23 0.00	46.36 0.28 0.00	91.51 0.54 0.00	64.29 0.37 0.00	50.08 0.11 0.00	58.80 0.00 0.00	58.70 -0.08 0.00	41.61 -0.08 0.00
JENNISON____1 23625	30.29 0.63 -0.57	29.77 0.81 -0.34	26.02 0.64 -0.08	24.82 0.73 -0.01	25.71 0.78 -0.15	32.29 1.07 -0.86	67.09 2.56 -3.59	64.47 2.56 -4.82	51.75 2.02 -3.73	50.19 2.26 -4.31	43.28 2.00 -2.18	41.86 2.02 -1.78	41.82 1.93 -1.34	48.78 2.13 -1.76	49.60 2.37 -1.87	44.43 2.24 -1.54	46.30 2.48 -1.85	50.99 2.79 -2.13	102.07 5.89 -5.20	73.69 3.85 -5.92	55.13 2.41 -2.76	65.07 2.73 -3.55	66.05 2.70 -4.57	45.43 1.61 -2.13
JENNISON____2 23626	30.29 0.63 -0.57	29.77 0.81 -0.34	26.02 0.64 -0.08	24.82 0.73 -0.01	25.71 0.78 -0.15	32.29 1.07 -0.86	67.09 2.56 -3.59	64.47 2.56 -4.82	51.75 2.02 -3.73	50.19 2.26 -4.31	43.28 2.00 -2.18	41.86 2.02 -1.78	41.82 1.93 -1.34	48.78 2.13 -1.76	49.60 2.37 -1.87	44.43 2.24 -1.54	46.30 2.48 -1.85	50.99 2.79 -2.13	102.07 5.89 -5.20	73.69 3.85 -5.92	55.13 2.41 -2.76	65.07 2.73 -3.55	66.05 2.70 -4.57	45.43 1.61 -2.13
JERICOHO_RISE_WT_PWR 323719	30.22 1.13 0.00	29.69 1.07 0.00	26.23 0.93 0.00	24.92 0.84 0.00	25.63 0.85 0.00	31.27 0.92 0.00	62.75 1.81 0.00	58.63 1.55 0.00	47.28 1.29 0.00	47.38 1.05 -2.71	40.95 0.86 -1.00	38.59 0.54 0.00	38.74 0.18 0.00	44.67 -0.22 0.00	44.69 -0.68 0.00	39.97 -0.67 0.00	41.29 -0.68 0.00	45.35 -0.73 0.00	89.61 -1.36 0.00	63.18 -0.75 0.00	49.89 -0.08 0.00	59.30 0.50 0.00	60.10 1.32 0.00	43.00 1.31 0.00
KATONAH__115KV_46KV_TB4 355592	29.93 0.83 0.00	29.40 0.78 0.00	25.94 0.63 0.00	24.65 0.57 0.00	25.35 0.57 0.00	31.03 0.67 0.00	62.15 1.21 0.00	58.30 1.22 0.00	47.05 1.05 0.00	45.12 1.49 0.00	40.58 1.49 0.00	39.85 1.56 -0.24	40.50 1.90 -0.04	47.27 2.39 0.00	47.86 2.49 0.00	42.92 2.27 0.00	44.32 2.35 0.00	48.76 2.68 0.00	96.37 5.40 0.00	67.49 3.56 0.00	51.98 2.02 0.00	60.52 1.73 0.00	60.19 1.41 0.00	42.57 0.87 0.00
KCE_NY_1 323755	29.98 0.89 0.00	29.57 0.95 0.00	26.11 0.81 0.00	24.82 0.74 0.00	25.52 0.74 0.00	31.21 0.86 0.00	62.80 1.86 0.00	58.59 1.51 0.00	47.09 1.09 0.00	45.00 1.38 0.00	40.32 1.23 0.00	38.96 1.15 0.24	39.84 1.33 0.04	46.67 1.79 0.00	46.95 1.58 0.00	42.06 1.42 0.00	43.59 1.61 0.00	47.91 1.83 0.00	94.51 3.55 0.00	66.57 2.65 0.00	51.83 1.87 0.00	60.57 1.77 0.00	60.20 1.42 0.00	42.70 1.00 0.00
KCE_NY_6_ESR 323823	29.78 0.14 -0.54	28.92 -0.02 -0.32	25.40 0.02 -0.08	24.46 0.37 -0.01	25.27 0.34 -0.15	31.78 0.60 -0.82	65.10 0.76 -3.41	62.39 0.73 -4.57	50.77 1.23 -3.54	50.14 2.42 -4.09	43.45 2.28 -2.08	42.28 2.53 -1.69	41.80 1.98 -1.27	48.25 1.69 -1.67	49.35 2.21 -1.77	43.90 1.80 -1.46	45.40 1.67 -1.76	49.58 1.47 -2.02	99.41 3.49 -4.95	71.34 1.79 -5.63	52.98 0.39 -2.62	63.44 1.27 -3.38	64.76 1.64 -4.34	45.22 1.49 -2.03
KEDC_PORT_JEFF_GT2 24210	29.71 0.62 0.00	29.20 0.58 0.00	25.67 0.37 0.00	24.37 0.29 0.00	25.07 0.30 0.00	30.49 0.14 0.00	46.59 -0.33 14.02	28.38 -0.15 28.56	43.49 0.03 2.53	44.34 0.72 0.00	40.04 0.95 0.00	39.28 0.99 -0.24	40.03 1.44 -0.04	40.68 1.51 5.72	47.21 1.85 0.00	42.81 1.43 -0.74	43.10 1.29 0.16	30.81 1.39 16.66	21.42 2.65 72.19	22.69 1.76 42.99	50.48 0.69 0.17	57.39 0.28 1.69	45.76 -0.20 12.83	40.61 0.01 1.10
KEDC_PORT_JEFF_GT3 24211	29.71 0.62 0.00	29.20 0.58 0.00	25.67 0.37 0.00	24.37 0.29 0.00	25.07 0.30 0.00	30.49 0.14 0.00	46.59 -0.33 14.02	28.38 -0.15 28.56	43.49 0.03 2.53	44.34 0.72 0.00	40.04 0.95 0.00	39.28 0.99 -0.24	40.03 1.44 -0.04	40.68 1.51 5.72	47.21 1.85 0.00	42.81 1.43 -0.74	43.10 1.29 0.16	30.81 1.39 16.66	21.42 2.65 72.19	22.69 1.76 42.99	50.48 0.69 0.17	57.39 0.28 1.69	45.76 -0.20 12.83	40.61 0.01 1.10
KEDC_GLWD_GT4 24219	30.06 0.96 0.00	29.52 0.90 0.00	26.00 0.70 0.00	24.69 0.61 0.00	25.41 0.63 0.00	31.01 0.65 0.00	56.88 0.95 5.01	47.41 0.84 10.52	46.03 0.98 0.94	45.15 1.53 0.00	40.75 1.66 0.00	40.03 1.74 -0.24	40.50 1.90 -0.04	50.62 2.36 -3.37	47.95 2.58 0.00	44.24 2.31 -1.28	45.11 2.35 -0.78	42.82 2.63 5.89	70.46 5.10 25.61	52.14 3.35 15.14	51.75 1.85 0.06	59.70 1.49 0.59	55.64 1.38 4.51	42.21 0.88 0.37
KEDC_GLWD_GT5 24220	30.06 0.96 0.00	29.52 0.90 0.00	26.00 0.70 0.00	24.69 0.61 0.00	25.41 0.63 0.00	31.01 0.65 0.00	56.88 0.95 5.01	47.41 0.84 10.52	46.03 0.98 0.94	45.15 1.53 0.00	40.75 1.66 0.00	40.03 1.74 -0.24	40.50 1.90 -0.04	50.62 2.36 -3.37	47.95 2.58 0.00	44.24 2.31 -1.28	45.11 2.35 -0.78	42.82 2.63 5.89	70.46 5.10 25.61	52.14 3.35 15.14	51.75 1.85 0.06	59.70 1.49 0.59	55.64 1.38 4.51	42.21 0.88 0.37
KENSICO____ 23655	29.93 0.83 0.00	29.38 0.76 0.00	25.91 0.61 0.00	24.62 0.54 0.00	25.32 0.54 0.00	30.99 0.64 0.00	62.07 1.13 0.00	58.20 1.12 0.00	46.98 0.98 0.00	45.05 1.43 0.00	40.55 1.46 0.00	39.84 1.55 -0.24	40.51 1.92 -0.04	47.26 2.38 0.00	47.87 2.50 0.00	42.90 2.25 0.00	44.30 2.33 0.00	48.73 2.65 0.00	96.29 5.32 0.00	67.40 3.47 0.00	51.87 1.91 0.00	60.41 1.61 0.00	60.09 1.31 0.00	42.51 0.81 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	29.85 0.76 0.00	29.31 0.69 0.00	25.86 0.56 0.00	24.58 0.50 0.00	25.28 0.50 0.00	30.97 0.61 0.00	62.12 1.18 0.00	58.33 1.25 0.00	47.02 1.03 0.00	45.08 1.46 0.00	40.42 1.33 0.00	39.53 1.31 -0.16	40.36 1.78 -0.03	47.17 2.28 0.00	47.73 2.36 0.00	42.78 2.14 0.00	44.27 2.30 0.00	48.78 2.71 0.00	96.53 5.56 0.00	67.66 3.74 0.00	52.11 2.15 0.00	60.76 1.96 0.00	60.43 1.65 0.00	42.68 0.99 0.00



KIAC_JFK_GT1 23816	30.08 0.98 0.00	29.52 0.90 0.00	26.05 0.75 0.00	24.75 0.67 0.00	25.44 0.66 0.00	31.08 0.72 0.00	61.72 0.78 0.00	57.95 0.87 0.00	46.89 0.89 0.00	44.97 1.35 0.00	40.42 1.33 0.00	39.79 1.49 -0.24	40.52 1.92 -0.04	50.98 2.37 -3.73	47.83 2.46 0.00	42.97 2.33 0.00	44.43 2.46 0.00	48.85 2.77 0.00	96.45 5.48 0.00	67.51 3.59 0.00	52.16 2.20 0.00	60.63 1.83 0.00	60.15 1.37 0.00	42.51 0.82 0.00
KIAC_JFK_GT2 23817	30.08 0.98 0.00	29.52 0.90 0.00	26.05 0.75 0.00	24.75 0.67 0.00	25.44 0.66 0.00	31.08 0.72 0.00	61.72 0.78 0.00	57.95 0.87 0.00	46.89 0.89 0.00	44.97 1.35 0.00	40.42 1.33 0.00	39.79 1.49 -0.24	40.52 1.92 -0.04	50.98 2.37 -3.73	47.83 2.46 0.00	42.97 2.33 0.00	44.43 2.46 0.00	48.85 2.77 0.00	96.45 5.48 0.00	67.51 3.59 0.00	52.16 2.20 0.00	60.63 1.83 0.00	60.15 1.37 0.00	42.51 0.82 0.00
KIAC_JFK____ 323774	30.08 0.98 0.00	29.52 0.90 0.00	26.05 0.75 0.00	24.75 0.67 0.00	25.44 0.66 0.00	31.08 0.72 0.00	61.72 0.78 0.00	57.95 0.87 0.00	46.89 0.89 0.00	44.97 1.34 0.00	40.42 1.33 0.00	39.77 1.48 -0.24	40.51 1.92 -0.04	50.96 2.34 -3.73	47.82 2.45 0.00	42.97 2.33 0.00	44.43 2.46 0.00	48.86 2.78 0.00	96.45 5.48 0.00	67.50 3.58 0.00	52.16 2.20 0.00	60.63 1.83 0.00	60.13 1.35 0.00	42.51 0.82 0.00
KINTIGH__24_KV_GSU 356498	29.51 -0.09 -0.50	28.66 -0.26 -0.30	25.20 -0.17 -0.07	24.23 0.14 -0.01	25.02 0.10 -0.14	31.38 0.27 -0.76	64.21 0.11 -3.16	61.40 0.09 -4.23	49.92 0.65 -3.28	49.14 1.73 -3.79	42.72 1.71 -1.92	41.47 1.85 -1.57	41.07 1.34 -1.18	47.46 1.03 -1.55	48.45 1.45 -1.64	43.02 1.03 -1.35	44.46 0.86 -1.63	48.63 0.68 -1.87	97.27 1.72 -4.58	69.77 0.64 -5.21	52.02 -0.38 -2.43	62.18 0.26 -3.12	63.43 0.63 -4.02	44.46 0.88 -1.88
KINTIGH____ 23543	29.48 -0.11 -0.50	28.65 -0.27 -0.30	25.19 -0.18 -0.07	24.21 0.13 -0.01	25.00 0.08 -0.14	31.36 0.25 -0.76	64.19 0.10 -3.16	61.35 0.04 -4.23	49.89 0.62 -3.28	49.12 1.70 -3.79	42.71 1.69 -1.92	41.45 1.83 -1.57	41.04 1.32 -1.18	47.44 1.01 -1.55	48.42 1.41 -1.64	42.99 1.00 -1.35	44.44 0.84 -1.63	48.59 0.64 -1.87	97.24 1.70 -4.58	69.74 0.60 -5.21	51.99 -0.41 -2.43	62.14 0.22 -3.12	63.39 0.59 -4.02	44.43 0.86 -1.88
KNTFSRNC_46_KV_46KV_LOAD 80397	30.90 1.81 0.00	30.33 1.71 0.00	26.76 1.46 0.00	25.39 1.31 0.00	26.09 1.31 0.00	31.73 1.38 0.00	63.59 2.65 0.00	59.29 2.21 0.00	47.80 1.80 0.00	47.13 1.89 -1.62	41.32 1.63 -0.59	39.16 1.11 0.00	39.18 0.62 0.00	44.88 -0.01 0.00	44.60 -0.76 0.00	39.89 -0.76 0.00	41.27 -0.70 0.00	45.44 -0.64 0.00	89.86 -1.11 0.00	63.40 -0.52 0.00	49.89 -0.07 0.00	59.34 0.55 0.00	60.55 1.77 0.00	43.54 1.84 0.00
LACHUTE____HYDRO 323717	31.68 2.59 0.00	31.35 2.72 0.00	27.81 2.51 0.00	26.36 2.28 0.00	26.92 2.14 0.00	32.92 2.56 0.00	66.05 5.11 0.00	61.67 4.58 0.00	49.26 3.27 0.00	47.07 3.45 0.00	42.23 3.13 0.00	40.91 3.09 0.24	42.25 3.74 0.04	49.47 4.58 0.00	49.31 3.94 0.00	43.80 3.16 0.00	45.56 3.59 0.00	50.43 4.35 0.00	99.97 9.00 0.00	70.61 6.68 0.00	55.24 5.27 0.00	64.12 5.32 0.00	62.75 3.97 0.00	44.62 2.93 0.00
LAWRNCALV_115KV_TB1 80681	30.17 0.92 -0.16	29.59 0.87 -0.10	26.11 0.79 -0.02	24.79 0.71 0.00	25.62 0.80 -0.04	31.65 1.05 -0.25	64.48 2.49 -1.05	61.08 2.50 -1.50	49.27 2.13 -1.13	67.47 1.61 -22.24	48.18 1.08 -8.01	39.30 0.76 -0.48	39.37 0.44 -0.37	45.67 0.29 -0.49	46.09 0.21 -0.52	41.13 0.05 -0.43	42.37 -0.12 -0.52	46.22 -0.46 -0.59	91.82 -0.60 -1.45	65.52 -0.05 -1.65	51.58 0.85 -0.77	61.56 1.77 -0.99	62.22 2.16 -1.28	43.89 1.60 -0.59
LEDERLE____ 23769	30.00 0.90 0.00	29.43 0.81 0.00	25.96 0.66 0.00	24.67 0.59 0.00	25.38 0.60 0.00	31.08 0.73 0.00	62.40 1.46 0.00	58.56 1.48 0.00	47.19 1.19 0.00	45.20 1.58 0.00	40.66 1.57 0.00	39.94 1.66 -0.22	40.63 2.04 -0.04	47.40 2.51 0.00	48.04 2.67 0.00	43.04 2.40 0.00	44.49 2.52 0.00	48.97 2.89 0.00	96.94 5.97 0.00	67.77 3.85 0.00	52.08 2.12 0.00	60.65 1.85 0.00	60.33 1.55 0.00	42.67 0.97 0.00
LIGHTHSE_115KV_TB6 355974	30.27 -0.01 -1.18	29.35 0.03 -0.70	25.54 0.07 -0.16	24.08 -0.02 -0.02	25.18 0.09 -0.32	32.46 0.31 -1.79	69.41 1.09 -7.38	68.23 1.20 -9.95	54.76 1.08 -7.68	55.74 1.23 -10.89	45.28 0.95 -5.23	42.42 0.70 -3.66	41.80 0.49 -2.76	48.99 0.47 -3.63	49.62 0.41 -3.84	44.27 0.46 -3.17	46.44 0.66 -3.81	51.15 0.69 -4.38	103.91 2.22 -10.72	77.77 1.65 -12.20	56.72 1.08 -5.68	67.55 1.45 -7.31	69.42 1.24 -9.41	46.81 0.72 -4.39
LINDEN COGEN____ 23786	30.03 0.94 0.00	29.45 0.82 0.00	25.97 0.67 0.00	24.67 0.59 0.00	25.38 0.60 0.00	31.05 0.70 0.00	62.02 1.16 0.08	47.49 1.13 10.72	34.94 0.98 12.03	30.41 1.46 14.67	22.71 1.50 17.88	33.03 1.60 6.63	30.48 2.04 10.11	33.06 2.50 14.33	43.81 2.65 4.21	38.69 2.36 4.31	41.60 2.43 2.81	47.41 2.74 1.41	96.62 5.72 0.07	67.59 3.67 0.01	50.79 1.91 1.08	53.41 1.56 6.94	44.95 1.23 15.06	37.03 0.77 5.43
LINDHRST_69_KV_BK1 356055	30.04 0.94 0.00	29.50 0.88 0.00	25.95 0.65 0.00	24.63 0.55 0.00	25.35 0.57 0.00	30.83 0.47 0.00	48.77 0.40 12.57	31.97 0.57 25.69	44.37 0.65 2.28	44.93 1.31 0.00	40.48 1.39 0.00	39.77 1.48 -0.24	40.50 1.91 -0.04	43.67 2.20 3.41	47.83 2.46 0.00	43.70 2.24 -0.83	44.23 2.27 0.02	33.71 2.54 14.91	31.24 4.93 64.65	28.78 3.32 38.47	51.61 1.80 0.15	58.73 1.45 1.51	48.31 1.00 11.48	41.43 0.69 0.96
LIPA_MISC_IPP 23656	29.52 0.43 0.00	29.01 0.39 0.00	25.50 0.20 0.00	24.21 0.13 0.00	24.91 0.13 0.00	30.28 -0.08 0.00	46.18 -0.68 14.08	27.94 -0.47 28.67	43.19 -0.27 2.54	44.06 0.44 0.00	39.74 0.65 0.00	38.53 0.66 0.18	33.42 1.08 6.21	28.37 1.13 17.65	44.16 1.43 2.65	42.67 1.29 -0.74	43.05 1.25 0.17	30.78 1.43 16.72	21.25 2.77 72.48	22.67 1.91 43.17	50.39 0.60 0.17	57.11 0.01 1.70	45.40 -0.50 12.88	40.34 -0.25 1.10
LISF____SOLAR 323691	29.56 0.47 0.00	29.04 0.42 0.00	25.53 0.23 0.00	24.24 0.16 0.00	24.94 0.16 0.00	30.32 -0.04 0.00	46.26 -0.63 14.06	28.06 -0.40 28.63	43.28 -0.18 2.54	44.12 0.50 0.00	39.85 0.75 0.00	38.41 0.68 0.33	31.24 1.11 8.42	24.25 1.16 21.80	43.28 1.48 3.58	42.73 1.35 -0.74	43.14 1.33 0.17	30.90 1.52 16.70	21.56 2.97 72.37	22.87 2.05 43.10	50.50 0.70 0.17	57.24 0.14 1.69	45.52 -0.41 12.86	40.41 -0.19 1.10
LITTLE FALLS____HYD 24013	29.40 0.31 0.00	28.95 0.32 0.00	25.53 0.22 0.00	24.31 0.23 0.00	25.02 0.24 0.00	30.63 0.27 0.00	61.65 0.71 0.00	57.49 0.41 0.00	46.20 0.20 0.00	44.71 0.64 -0.45	39.63 0.38 -0.16	37.91 -0.15 0.00	38.97 0.42 0.00	45.80 0.92 0.00	46.07 0.70 0.00	41.58 0.94 0.00	43.04 1.07 0.00	47.65 1.57 0.00	94.36 3.39 0.00	66.55 2.62 0.00	51.24 1.27 0.00	59.52 0.73 0.00	58.75 -0.04 0.00	41.60 -0.09 0.00



LITTLRIV_115KV_TB1 356100	30.60 1.33 -0.17	30.00 1.27 -0.10	26.46 1.14 -0.02	25.13 1.05 0.00	25.98 1.16 -0.05	32.13 1.51 -0.26	65.60 3.52 -1.14	62.19 3.47 -1.64	50.19 2.96 -1.24	66.80 2.37 -20.80	48.43 1.68 -7.66	39.86 1.29 -0.52	39.82 0.87 -0.40	46.05 0.63 -0.53	46.56 0.63 -0.55	41.44 0.34 -0.46	42.64 0.11 -0.55	46.56 -0.15 -0.63	93.12 0.60 -1.55	66.67 0.99 -1.76	52.45 1.67 -0.82	62.57 2.72 -1.06	63.20 3.06 -1.36	44.53 2.20 -0.63
LI_NEWBRDGE___DRP 323616	29.73 0.64 0.00	29.21 0.58 0.00	25.70 0.40 0.00	24.40 0.32 0.00	25.11 0.33 0.00	30.56 0.20 0.00	45.64 -0.09 15.21	26.23 0.03 30.88	43.43 0.17 2.73	44.45 0.83 0.00	40.09 1.00 0.00	39.41 1.11 -0.24	40.12 1.53 -0.04	39.43 1.82 7.28	47.42 2.05 0.00	43.13 1.80 -0.69	43.48 1.78 0.27	29.94 1.95 18.09	16.38 3.77 78.36	19.71 2.48 46.70	50.99 1.21 0.18	57.70 0.74 1.84	45.15 0.30 13.93	40.69 0.18 1.19
LOCKPORT_115KV_TB60_63_64 80432	29.53 -0.09 -0.53	28.65 -0.28 -0.31	25.18 -0.20 -0.08	24.23 0.14 -0.01	25.02 0.10 -0.14	31.43 0.28 -0.80	64.17 -0.09 -3.33	61.41 -0.14 -4.47	50.04 0.58 -3.46	49.42 1.80 -4.01	42.90 1.78 -2.03	41.64 1.94 -1.65	41.29 1.49 -1.24	47.61 1.10 -1.63	48.69 1.60 -1.73	43.25 1.18 -1.43	44.60 0.91 -1.71	48.72 0.67 -1.97	97.64 1.85 -4.83	70.12 0.70 -5.49	52.11 -0.41 -2.56	62.39 0.30 -3.29	63.67 0.66 -4.24	44.73 1.06 -1.98
LOCKPORT___CC1 323769	29.53 -0.10 -0.53	28.64 -0.29 -0.32	25.17 -0.21 -0.08	24.24 0.15 -0.01	25.02 0.10 -0.14	31.44 0.28 -0.80	64.19 -0.08 -3.33	61.44 -0.12 -4.48	50.06 0.59 -3.47	49.47 1.84 -4.01	42.90 1.77 -2.04	41.67 1.96 -1.66	41.29 1.50 -1.24	47.63 1.11 -1.64	48.71 1.61 -1.73	43.27 1.20 -1.43	44.62 0.94 -1.72	48.74 0.69 -1.98	97.62 1.81 -4.83	70.11 0.68 -5.50	52.09 -0.44 -2.56	62.39 0.30 -3.30	63.71 0.69 -4.24	44.73 1.06 -1.98
LOCKPORT___CC2 323770	29.53 -0.10 -0.53	28.64 -0.29 -0.32	25.17 -0.21 -0.08	24.24 0.15 -0.01	25.02 0.10 -0.14	31.44 0.28 -0.80	64.19 -0.08 -3.33	61.44 -0.12 -4.48	50.06 0.59 -3.47	49.47 1.84 -4.01	42.90 1.77 -2.04	41.67 1.96 -1.66	41.29 1.50 -1.24	47.63 1.11 -1.64	48.71 1.61 -1.73	43.27 1.20 -1.43	44.62 0.94 -1.72	48.74 0.69 -1.98	97.62 1.81 -4.83	70.11 0.68 -5.50	52.09 -0.44 -2.56	62.39 0.30 -3.30	63.71 0.69 -4.24	44.73 1.06 -1.98
LOCKPORT___CC3 323771	29.53 -0.10 -0.53	28.64 -0.29 -0.32	25.17 -0.21 -0.08	24.24 0.15 -0.01	25.02 0.10 -0.14	31.44 0.28 -0.80	64.19 -0.08 -3.33	61.44 -0.12 -4.48	50.06 0.59 -3.47	49.47 1.84 -4.01	42.90 1.77 -2.04	41.67 1.96 -1.66	41.29 1.50 -1.24	47.63 1.11 -1.64	48.71 1.61 -1.73	43.27 1.20 -1.43	44.62 0.94 -1.72	48.74 0.69 -1.98	97.62 1.81 -4.83	70.11 0.68 -5.50	52.09 -0.44 -2.56	62.39 0.30 -3.30	63.71 0.69 -4.24	44.73 1.06 -1.98
LOCUSVLY_69_KV_BK2 55797	30.06 0.97 0.00	29.52 0.90 0.00	25.99 0.68 0.00	24.67 0.59 0.00	25.38 0.60 0.00	30.94 0.58 0.00	54.25 0.76 7.44	42.49 0.80 15.40	45.48 0.86 1.37	45.10 1.48 0.00	40.69 1.60 0.00	40.02 1.73 -0.24	40.67 2.07 -0.04	48.44 2.47 -1.08	48.13 2.76 0.00	44.24 2.46 -1.13	44.97 2.47 -0.52	40.03 2.75 8.79	58.10 5.32 38.18	44.80 3.52 22.65	51.81 1.94 0.09	59.48 1.57 0.89	53.25 1.23 6.76	41.97 0.84 0.56
LONG_LAKE_PHOENIX 24014	29.56 -0.30 -0.75	28.75 -0.32 -0.45	25.11 -0.30 -0.10	23.85 -0.24 -0.02	24.73 -0.25 -0.21	31.27 -0.23 -1.15	65.33 -0.36 -4.75	63.24 -0.24 -6.39	50.88 -0.07 -4.96	50.09 0.20 -6.26	42.36 0.17 -3.10	40.59 0.17 -2.37	40.37 0.05 -1.78	47.23 0.01 -2.33	47.88 0.05 -2.47	42.77 0.09 -2.04	44.62 0.20 -2.45	49.11 0.21 -2.82	98.51 0.64 -6.89	72.15 0.39 -7.84	53.56 -0.05 -3.66	63.38 -0.12 -4.70	64.62 -0.21 -6.05	44.28 -0.23 -2.82
LOVETT___3 23632	29.84 0.74 0.00	29.28 0.66 0.00	25.83 0.53 0.00	24.55 0.47 0.00	25.25 0.47 0.00	30.91 0.56 0.00	62.05 1.12 0.00	58.20 1.12 0.00	46.91 0.91 0.00	44.88 1.26 0.00	40.40 1.30 0.00	39.67 1.39 -0.23	40.35 1.76 -0.04	47.06 2.18 0.00	47.68 2.31 0.00	42.72 2.08 0.00	44.13 2.16 0.00	48.56 2.48 0.00	96.07 5.10 0.00	67.20 3.28 0.00	51.69 1.72 0.00	60.20 1.41 0.00	59.90 1.12 0.00	42.37 0.68 0.00
LOVETT___4 23642	29.84 0.74 0.00	29.28 0.66 0.00	25.83 0.53 0.00	24.55 0.47 0.00	25.25 0.47 0.00	30.91 0.56 0.00	62.05 1.12 0.00	58.20 1.12 0.00	46.91 0.91 0.00	44.88 1.26 0.00	40.40 1.30 0.00	39.67 1.39 -0.23	40.35 1.76 -0.04	47.06 2.18 0.00	47.68 2.31 0.00	42.72 2.08 0.00	44.13 2.16 0.00	48.56 2.48 0.00	96.07 5.10 0.00	67.20 3.28 0.00	51.69 1.72 0.00	60.20 1.41 0.00	59.90 1.12 0.00	42.37 0.68 0.00
LOVETT___5 23593	29.84 0.74 0.00	29.28 0.66 0.00	25.83 0.53 0.00	24.55 0.47 0.00	25.25 0.47 0.00	30.91 0.56 0.00	62.05 1.12 0.00	58.20 1.12 0.00	46.91 0.91 0.00	44.88 1.26 0.00	40.40 1.30 0.00	39.67 1.39 -0.23	40.35 1.76 -0.04	47.06 2.18 0.00	47.68 2.31 0.00	42.72 2.08 0.00	44.13 2.16 0.00	48.56 2.48 0.00	96.07 5.10 0.00	67.20 3.28 0.00	51.69 1.72 0.00	60.20 1.41 0.00	59.90 1.12 0.00	42.37 0.68 0.00
LOWER RAQUET___HYD 24057	30.26 0.98 -0.18	29.67 0.94 -0.11	26.17 0.85 -0.02	24.84 0.76 0.00	25.68 0.85 -0.05	31.76 1.13 -0.28	64.92 2.77 -1.21	61.66 2.82 -1.75	49.71 2.38 -1.33	65.10 1.87 -19.60	47.68 1.24 -7.35	39.47 0.86 -0.55	39.50 0.53 -0.42	45.80 0.36 -0.56	46.22 0.26 -0.59	41.22 0.10 -0.49	42.47 -0.08 -0.58	46.30 -0.45 -0.67	92.11 -0.50 -1.64	65.82 0.03 -1.87	51.78 0.94 -0.87	61.82 1.91 -1.12	62.55 2.33 -1.44	44.09 1.72 -0.67
LOWER___HUDSON 24059	29.52 0.42 0.00	29.08 0.45 0.00	25.72 0.42 0.00	24.45 0.37 0.00	25.15 0.37 0.00	30.72 0.36 0.00	61.60 0.66 0.00	57.54 0.46 0.00	46.25 0.25 0.00	44.09 0.47 0.00	39.54 0.45 0.00	38.20 0.46 0.31	39.18 0.68 0.05	45.85 0.97 0.00	46.15 0.78 0.00	41.34 0.70 0.00	42.73 0.75 0.00	46.95 0.87 0.00	92.51 1.54 0.00	65.12 1.19 0.00	50.73 0.77 0.00	59.21 0.41 0.00	58.91 0.13 0.00	41.94 0.25 0.00
LOWVILLE_115KV_TB2 356335	30.07 0.55 -0.42	29.60 0.73 -0.25	26.07 0.72 -0.06	24.55 0.46 -0.01	25.58 0.69 -0.11	32.20 1.22 -0.63	66.85 3.39 -2.52	64.02 3.46 -3.47	51.48 2.88 -2.60	54.59 2.74 -8.23	44.65 2.14 -3.42	40.98 1.71 -1.22	40.97 1.47 -0.95	47.73 1.60 -1.24	48.16 1.48 -1.32	43.13 1.40 -1.09	45.04 1.76 -1.31	49.54 1.96 -1.50	99.43 4.78 -3.67	71.73 3.62 -4.18	54.68 2.77 -1.95	64.68 3.39 -2.51	65.22 3.22 -3.22	45.31 2.11 -1.50
LUTHERFT_115KV_GLOB_FND_222 355753	29.97 0.87 0.00	29.53 0.91 0.00	26.10 0.80 0.00	24.81 0.73 0.00	25.52 0.74 0.00	31.19 0.84 0.00	62.67 1.73 0.00	58.55 1.47 0.00	47.06 1.06 0.00	44.93 1.31 0.00	40.28 1.19 0.00	38.93 1.12 0.24	39.81 1.30 0.04	46.59 1.70 0.00	46.92 1.55 0.00	42.03 1.38 0.00	43.49 1.52 0.00	47.85 1.77 0.00	94.47 3.50 0.00	66.50 2.58 0.00	51.77 1.81 0.00	60.47 1.68 0.00	60.12 1.34 0.00	42.68 0.99 0.00



LUTHERNY_35_KV_BK2 355980	29.98 0.89 0.00	29.57 0.95 0.00	26.10 0.80 0.00	24.82 0.74 0.00	25.52 0.74 0.00	31.22 0.86 0.00	62.80 1.86 0.00	58.59 1.51 0.00	47.09 1.09 0.00	44.99 1.37 0.00	40.32 1.23 0.00	38.96 1.15 0.24	39.84 1.33 0.04	46.67 1.78 0.00	46.95 1.58 0.00	42.06 1.42 0.00	43.59 1.61 0.00	47.91 1.83 0.00	94.51 3.54 0.00	66.57 2.65 0.00	51.83 1.87 0.00	60.57 1.78 0.00	60.20 1.42 0.00	42.70 1.00 0.00
LWR___OSWEGATCHIE_HYD 23850	30.24 0.80 -0.34	29.68 0.85 -0.20	26.16 0.80 -0.05	24.72 0.63 -0.01	25.67 0.79 -0.09	32.07 1.20 -0.52	66.26 3.17 -2.15	63.32 3.24 -3.00	50.99 2.72 -2.27	60.94 2.40 -14.92	46.63 1.74 -5.80	40.36 1.28 -1.03	40.31 0.97 -0.79	46.88 0.96 -1.04	47.30 0.84 -1.10	42.29 0.74 -0.91	43.85 0.79 -1.09	48.04 0.71 -1.25	96.19 2.15 -3.07	69.27 1.86 -3.49	53.45 1.86 -1.62	63.64 2.76 -2.09	64.34 2.87 -2.69	44.91 1.96 -1.26
LYONS_FALL_HYD 23570	29.99 0.56 -0.33	29.49 0.66 -0.20	25.98 0.62 -0.05	24.55 0.47 -0.01	25.48 0.61 -0.09	31.89 1.02 -0.51	65.68 2.76 -1.98	62.64 2.81 -2.75	50.35 2.32 -2.03	51.71 2.26 -5.83	43.39 1.85 -2.45	40.57 1.57 -0.95	40.69 1.39 -0.75	47.43 1.56 -0.99	47.88 1.47 -1.05	42.85 1.34 -0.86	44.63 1.62 -1.04	49.10 1.82 -1.19	98.18 4.29 -2.92	70.44 3.20 -3.32	53.86 2.35 -1.55	63.54 2.76 -1.99	63.94 2.60 -2.56	44.60 1.71 -1.20
MADISON___COUNTY_LFGE 323628	30.12 0.56 -0.47	29.47 0.57 -0.28	25.85 0.49 -0.07	24.57 0.48 -0.01	25.43 0.52 -0.13	31.85 0.79 -0.71	65.65 2.12 -2.60	62.99 2.25 -3.66	50.39 1.82 -2.58	49.62 1.86 -4.14	42.70 1.68 -1.93	40.87 1.60 -1.22	41.01 1.44 -1.01	47.91 1.69 -1.33	48.39 1.61 -1.41	43.26 1.45 -1.17	45.05 1.68 -1.40	49.58 1.90 -1.61	99.16 4.25 -3.94	71.45 3.05 -4.48	54.12 2.07 -2.09	63.72 2.24 -2.68	64.31 2.08 -3.45	44.62 1.32 -1.61
MALONE___115KV_TB1 356076	30.50 1.40 0.00	29.96 1.34 0.00	26.46 1.16 0.00	25.15 1.07 0.00	25.88 1.10 0.00	31.65 1.30 0.00	63.70 2.76 0.00	59.71 2.63 0.00	48.21 2.22 0.00	52.10 1.91 -6.57	43.04 1.54 -2.41	39.20 1.15 0.00	39.28 0.73 0.00	45.33 0.45 0.00	45.42 0.05 0.00	40.62 -0.03 0.00	42.00 0.03 0.00	46.06 -0.02 0.00	91.11 0.14 0.00	64.33 0.41 0.00	50.84 0.88 0.00	60.41 1.61 0.00	61.10 2.32 0.00	43.63 1.94 0.00
MAPLEWOD_115KV_TB3 80458	29.27 0.18 0.00	28.82 0.20 0.00	25.48 0.18 0.00	24.22 0.14 0.00	24.92 0.14 0.00	30.47 0.11 0.00	61.04 0.10 0.00	57.07 -0.01 0.00	45.93 -0.07 0.00	43.74 0.12 0.00	39.24 0.15 0.00	37.99 0.15 0.22	38.85 0.34 0.04	45.41 0.52 0.00	45.79 0.42 0.00	41.08 0.43 0.00	42.42 0.45 0.00	46.62 0.54 0.00	91.78 0.81 0.00	64.60 0.67 0.00	50.23 0.27 0.00	58.64 -0.16 0.00	58.42 -0.36 0.00	41.58 -0.11 0.00
MAPLE_RIDGE_WT_1 323574	28.73 -0.36 0.00	28.40 -0.22 0.00	25.18 -0.12 0.00	23.99 -0.08 0.00	24.66 -0.12 0.00	30.22 -0.14 0.00	60.92 -0.02 0.00	57.14 0.05 0.00	46.09 0.10 0.00	43.15 -0.02 0.45	38.92 -0.01 0.17	38.03 -0.02 0.00	38.48 -0.08 0.00	44.75 -0.14 0.00	45.20 -0.17 0.00	40.50 -0.14 0.00	41.82 -0.16 0.00	45.91 -0.17 0.00	90.64 -0.33 0.00	63.74 -0.19 0.00	49.95 -0.01 0.00	58.91 0.11 0.00	58.94 0.16 0.00	41.83 0.13 0.00
MAPLE_RIDGE_WT_2 323611	28.73 -0.36 0.00	28.40 -0.22 0.00	25.18 -0.12 0.00	23.99 -0.08 0.00	24.66 -0.12 0.00	30.22 -0.14 0.00	60.92 -0.02 0.00	57.14 0.05 0.00	46.09 0.10 0.00	43.15 -0.02 0.45	38.92 -0.01 0.17	38.03 -0.02 0.00	38.48 -0.08 0.00	44.75 -0.14 0.00	45.20 -0.17 0.00	40.50 -0.14 0.00	41.82 -0.16 0.00	45.91 -0.17 0.00	90.64 -0.33 0.00	63.74 -0.19 0.00	49.95 -0.01 0.00	58.91 0.11 0.00	58.94 0.16 0.00	41.83 0.13 0.00
MARBLE_RIVER_WT_PWR 323696	30.92 1.83 0.00	30.36 1.74 0.00	26.78 1.48 0.00	25.39 1.31 0.00	26.08 1.31 0.00	31.66 1.31 0.00	63.37 2.43 0.00	58.98 1.90 0.00	47.50 1.50 0.00	46.73 1.72 -1.39	41.12 1.52 -0.51	39.02 0.97 0.00	39.03 0.48 0.00	44.64 -0.25 0.00	44.21 -1.16 0.00	39.52 -1.12 0.00	40.90 -1.07 0.00	45.02 -1.06 0.00	88.95 -2.02 0.00	62.73 -1.19 0.00	49.32 -0.64 0.00	58.74 -0.05 0.00	60.13 1.35 0.00	43.36 1.67 0.00
MARSHVLE_115KV_TB1 80742	30.39 1.29 0.00	29.87 1.25 0.00	26.40 1.09 0.00	25.14 1.06 0.00	25.88 1.10 0.00	31.82 1.46 0.00	64.23 3.30 0.00	60.32 3.24 0.00	48.65 2.66 0.00	46.28 2.66 0.00	41.24 2.15 0.00	39.69 1.77 0.14	40.27 1.74 0.02	47.12 2.24 0.00	47.71 2.34 0.00	42.73 2.09 0.00	44.19 2.22 0.00	48.60 2.52 0.00	96.52 5.55 0.00	67.91 3.98 0.00	52.85 2.89 0.00	62.20 3.41 0.00	62.17 3.39 0.00	43.97 2.28 0.00
MARSH_HILL_WT_PWR 323713	29.56 -0.22 -0.69	29.01 -0.02 -0.41	25.46 0.06 -0.10	24.49 0.40 -0.01	25.52 0.55 -0.19	32.34 0.95 -1.04	66.93 1.68 -4.31	64.16 1.26 -5.82	51.92 1.42 -4.50	51.08 2.26 -5.20	43.64 1.90 -2.64	42.30 2.09 -2.15	41.83 1.66 -1.62	48.29 1.29 -2.12	49.37 1.76 -2.24	44.22 1.73 -1.85	45.98 1.79 -2.22	50.10 1.46 -2.56	101.54 4.31 -6.26	73.65 2.61 -7.12	54.53 1.25 -3.32	65.05 1.99 -4.27	66.59 2.32 -5.49	45.80 1.54 -2.56
MCINTYRE_115KV_TB2 80467	30.69 1.43 -0.16	30.08 1.37 -0.09	26.53 1.21 -0.02	25.22 1.14 0.00	26.06 1.24 -0.04	32.21 1.62 -0.24	65.59 3.64 -1.02	62.06 3.52 -1.45	50.07 2.98 -1.10	68.66 2.32 -22.72	48.94 1.68 -8.16	39.85 1.33 -0.47	39.80 0.89 -0.36	46.00 0.63 -0.48	46.56 0.69 -0.50	41.36 0.30 -0.42	42.52 0.05 -0.50	46.46 -0.19 -0.57	93.34 0.97 -1.40	66.81 1.29 -1.59	52.63 1.92 -0.75	62.70 2.94 -0.96	63.25 3.24 -1.23	44.59 2.32 -0.57
MECO_____69_KV_BK1 80468	30.52 1.43 0.00	30.00 1.38 0.00	26.50 1.20 0.00	25.22 1.14 0.00	25.97 1.19 0.00	31.92 1.57 0.00	64.42 3.48 0.00	60.44 3.36 0.00	48.64 2.64 0.00	46.41 2.79 0.00	41.32 2.23 0.00	39.51 1.61 0.15	40.21 1.68 0.03	47.12 2.23 0.00	47.62 2.25 0.00	42.78 2.13 0.00	44.17 2.19 0.00	48.79 2.71 0.00	97.11 6.14 0.00	68.40 4.47 0.00	53.18 3.22 0.00	62.36 3.56 0.00	62.16 3.38 0.00	43.96 2.26 0.00
MENANDS___115KV_TB5 355628	29.09 -0.01 0.00	28.64 0.02 0.00	25.33 0.03 0.00	24.08 0.00 0.00	24.78 0.00 0.00	30.27 -0.08 0.00	60.62 -0.32 0.00	56.67 -0.42 0.00	45.60 -0.40 0.00	43.41 -0.21 0.00	38.95 -0.15 0.00	37.72 -0.12 0.21	38.59 0.07 0.04	45.11 0.22 0.00	45.47 0.10 0.00	40.78 0.14 0.00	42.11 0.13 0.00	46.26 0.18 0.00	91.03 0.06 0.00	64.04 0.12 0.00	49.82 -0.14 0.00	58.15 -0.65 0.00	57.92 -0.86 0.00	41.25 -0.45 0.00
MG INDUSTRY___DRP 24185	29.28 0.19 0.00	28.85 0.23 0.00	25.50 0.20 0.00	24.25 0.18 0.00	24.94 0.16 0.00	30.49 0.14 0.00	61.09 0.15 0.00	56.98 -0.10 0.00	45.76 -0.24 0.00	43.49 -0.13 0.00	39.02 -0.07 0.00	37.79 -0.15 0.12	37.96 -0.57 0.02	44.11 -0.77 0.00	44.51 -0.86 0.00	39.98 -0.66 0.00	41.33 -0.65 0.00	45.35 -0.73 0.00	89.27 -1.70 0.00	62.78 -1.14 0.00	48.85 -1.12 0.00	57.13 -1.67 0.00	57.03 -1.75 0.00	40.55 -1.15 0.00



MID___OSWEGATCHIE_HYD 23849	30.24 0.80 -0.34	29.68 0.85 -0.20	26.16 0.80 -0.05	24.72 0.63 -0.01	25.67 0.79 -0.09	32.07 1.20 -0.52	66.26 3.17 -2.15	63.32 3.24 -3.00	50.99 2.72 -2.27	60.94 2.40 -14.92	46.63 1.74 -5.80	40.36 1.28 -1.03	40.31 0.97 -0.79	46.88 0.96 -1.04	47.30 0.84 -1.10	42.29 0.74 -0.91	43.85 0.79 -1.09	48.04 0.71 -1.25	96.19 2.15 -3.07	69.27 1.86 -3.49	53.45 1.86 -1.62	63.64 2.76 -2.09	64.34 2.87 -2.69	44.91 1.96 -1.26
MID___RAQUETTE_HYD 23851	30.26 0.98 -0.18	29.67 0.94 -0.11	26.17 0.85 -0.02	24.84 0.76 0.00	25.68 0.85 -0.05	31.76 1.13 -0.28	64.92 2.77 -1.21	61.66 2.82 -1.75	49.71 2.38 -1.33	65.10 1.88 -19.60	47.68 1.24 -7.35	39.47 0.86 -0.55	39.50 0.53 -0.42	45.80 0.36 -0.56	46.22 0.26 -0.59	41.22 0.10 -0.49	42.47 -0.09 -0.58	46.30 -0.45 -0.67	92.08 -0.53 -1.64	65.82 0.03 -1.87	51.78 0.94 -0.87	61.82 1.91 -1.12	62.55 2.34 -1.44	44.09 1.72 -0.67
MILLIKEN___1 23584	30.40 0.36 -0.94	29.52 0.33 -0.56	25.70 0.27 -0.13	24.42 0.32 -0.02	25.38 0.34 -0.26	32.33 0.54 -1.43	68.10 1.21 -5.95	66.21 1.14 -7.99	53.20 1.01 -6.18	52.13 1.36 -7.15	43.81 1.09 -3.63	42.13 1.12 -2.96	41.73 0.96 -2.23	48.73 0.92 -2.92	49.60 1.14 -3.09	44.34 1.15 -2.55	46.33 1.29 -3.06	51.05 1.45 -3.53	102.87 3.28 -8.63	75.84 2.10 -9.81	55.73 1.20 -4.57	66.04 1.37 -5.88	67.77 1.42 -7.57	46.05 0.82 -3.53
MILLIKEN___2 23585	30.40 0.36 -0.94	29.52 0.33 -0.56	25.70 0.27 -0.13	24.42 0.32 -0.02	25.38 0.34 -0.26	32.33 0.54 -1.43	68.10 1.21 -5.95	66.21 1.14 -7.99	53.20 1.01 -6.18	52.13 1.36 -7.15	43.81 1.09 -3.63	42.13 1.12 -2.96	41.73 0.96 -2.23	48.73 0.92 -2.92	49.60 1.14 -3.09	44.34 1.15 -2.55	46.33 1.29 -3.06	51.05 1.45 -3.53	102.87 3.28 -8.63	75.84 2.10 -9.81	55.73 1.20 -4.57	66.04 1.37 -5.88	67.77 1.42 -7.57	46.05 0.82 -3.53
MILLIKEN___DIESEL 23629	30.40 0.36 -0.94	29.52 0.33 -0.56	25.70 0.27 -0.13	24.42 0.32 -0.02	25.38 0.34 -0.26	32.33 0.54 -1.43	68.10 1.21 -5.95	66.21 1.14 -7.99	53.20 1.01 -6.18	52.13 1.36 -7.15	43.81 1.09 -3.63	42.13 1.12 -2.96	41.73 0.96 -2.23	48.73 0.92 -2.92	49.60 1.14 -3.09	44.34 1.15 -2.55	46.33 1.29 -3.06	51.05 1.45 -3.53	102.87 3.28 -8.63	75.84 2.10 -9.81	55.73 1.20 -4.57	66.04 1.37 -5.88	67.77 1.42 -7.57	46.05 0.82 -3.53
MILLSEAT___LFGE 323607	30.21 0.59 -0.53	29.32 0.39 -0.31	25.74 0.37 -0.08	24.73 0.64 -0.01	25.53 0.61 -0.14	32.09 0.94 -0.80	65.78 1.53 -3.31	63.12 1.59 -4.45	51.27 1.82 -3.45	50.40 2.80 -3.99	43.65 2.53 -2.02	42.30 2.60 -1.65	42.05 2.26 -1.24	48.62 2.11 -1.63	49.72 2.63 -1.72	44.16 2.09 -1.42	45.46 1.77 -1.71	49.83 1.79 -1.97	100.28 4.50 -4.81	72.22 2.83 -5.47	53.72 1.21 -2.55	64.06 1.99 -3.28	65.15 2.15 -4.22	45.56 1.90 -1.97
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	29.87 0.77 0.00	29.33 0.70 0.00	25.86 0.56 0.00	24.58 0.50 0.00	25.28 0.50 0.00	30.94 0.58 0.00	61.96 1.02 0.00	58.11 1.02 0.00	46.88 0.88 0.00	44.95 1.33 0.00	40.44 1.35 0.00	39.73 1.44 -0.24	40.40 1.80 -0.04	47.13 2.24 0.00	47.73 2.36 0.00	42.77 2.13 0.00	44.17 2.20 0.00	48.60 2.52 0.00	96.07 5.10 0.00	67.23 3.31 0.00	51.75 1.79 0.00	60.28 1.48 0.00	59.97 1.19 0.00	42.43 0.73 0.00
MILLWOOD_13_KV_LOAD 356217	29.90 0.81 0.00	29.36 0.74 0.00	25.90 0.60 0.00	24.61 0.53 0.00	25.31 0.53 0.00	30.98 0.63 0.00	62.06 1.13 0.00	58.20 1.12 0.00	46.95 0.96 0.00	45.02 1.40 0.00	40.52 1.42 0.00	39.80 1.51 -0.24	40.46 1.87 -0.04	47.20 2.31 0.00	47.82 2.45 0.00	42.85 2.21 0.00	44.26 2.28 0.00	48.69 2.62 0.00	96.25 5.28 0.00	67.37 3.45 0.00	51.86 1.90 0.00	60.39 1.59 0.00	60.07 1.29 0.00	42.50 0.81 0.00
MODEL_CITY_ENERGY 24167	29.27 -0.35 -0.53	28.40 -0.54 -0.31	24.96 -0.42 -0.08	24.03 -0.06 -0.01	24.80 -0.12 -0.14	31.16 0.00 -0.80	63.52 -0.74 -3.33	60.81 -0.74 -4.46	49.56 0.10 -3.46	48.99 1.36 -4.00	42.49 1.37 -2.03	41.28 1.57 -1.65	40.91 1.12 -1.24	47.18 0.66 -1.63	48.27 1.17 -1.73	42.86 0.78 -1.43	44.20 0.51 -1.71	48.28 0.23 -1.98	96.59 0.79 -4.83	69.38 -0.04 -5.49	51.55 -0.97 -2.56	61.77 -0.32 -3.29	63.07 0.05 -4.24	44.33 0.65 -1.98
MODERN_LFGE___ 323580	29.27 -0.35 -0.53	28.40 -0.54 -0.31	24.96 -0.42 -0.08	24.03 -0.06 -0.01	24.80 -0.12 -0.14	31.16 0.00 -0.80	63.52 -0.74 -3.33	60.81 -0.74 -4.46	49.56 0.10 -3.46	48.99 1.36 -4.00	42.49 1.37 -2.03	41.28 1.57 -1.65	40.91 1.12 -1.24	47.18 0.66 -1.63	48.27 1.17 -1.73	42.86 0.78 -1.43	44.20 0.51 -1.71	48.28 0.23 -1.98	96.59 0.79 -4.83	69.38 -0.04 -5.49	51.55 -0.97 -2.56	61.77 -0.32 -3.29	63.07 0.05 -4.24	44.33 0.65 -1.98
MOHAWK_PAPER___DRP 24187	29.27 0.18 0.00	28.82 0.20 0.00	25.48 0.18 0.00	24.22 0.14 0.00	24.92 0.14 0.00	30.47 0.11 0.00	61.04 0.10 0.00	57.07 -0.01 0.00	45.93 -0.07 0.00	43.74 0.12 0.00	39.24 0.15 0.00	37.99 0.15 0.22	38.85 0.34 0.04	45.41 0.52 0.00	45.79 0.42 0.00	41.08 0.43 0.00	42.42 0.45 0.00	46.62 0.54 0.00	91.78 0.81 0.00	64.60 0.67 0.00	50.23 0.27 0.00	58.64 -0.16 0.00	58.42 -0.36 0.00	41.58 -0.11 0.00
MOHICAN___35_KV_115KV_LD 80490	30.23 1.13 0.00	29.79 1.17 0.00	26.36 1.05 0.00	25.04 0.96 0.00	25.72 0.94 0.00	31.39 1.03 0.00	63.04 2.10 0.00	58.92 1.84 0.00	47.28 1.28 0.00	45.16 1.54 0.00	40.49 1.40 0.00	39.15 1.33 0.24	40.11 1.60 0.04	46.95 2.06 0.00	47.17 1.80 0.00	42.15 1.51 0.00	43.66 1.68 0.00	48.11 2.03 0.00	95.22 4.25 0.00	67.10 3.18 0.00	52.28 2.32 0.00	61.01 2.21 0.00	60.40 1.62 0.00	42.90 1.21 0.00
MONGAUP___HYD 23641	29.89 0.80 0.00	29.36 0.74 0.00	25.91 0.61 0.00	24.63 0.55 0.00	25.33 0.55 0.00	31.02 0.67 0.00	62.24 1.30 0.00	58.39 1.31 0.00	47.05 1.05 0.00	44.97 1.35 0.00	40.28 1.19 0.00	39.30 1.04 -0.20	39.91 1.33 -0.03	46.66 1.78 0.00	47.25 1.88 0.00	42.38 1.73 0.00	43.84 1.86 0.00	48.41 2.33 0.00	96.04 5.07 0.00	67.39 3.46 0.00	52.00 2.03 0.00	60.65 1.86 0.00	60.35 1.58 0.00	42.66 0.97 0.00
MONTAUK___DIESEL 23721	30.25 1.15 0.00	29.66 1.04 0.00	26.02 0.72 0.00	24.78 0.70 0.00	25.43 0.65 0.00	30.84 0.49 0.00	47.31 0.44 14.07	28.79 0.35 28.65	43.65 0.19 2.54	44.37 0.75 0.00	40.05 0.95 0.00	38.71 0.83 0.18	33.06 0.76 6.25	27.54 0.37 17.71	43.29 0.58 2.66	42.02 0.64 -0.74	42.45 0.65 0.17	30.19 0.83 16.72	19.97 1.44 72.45	21.73 0.95 43.14	49.63 -0.16 0.17	56.61 -0.49 1.70	45.00 -0.91 12.87	39.99 -0.60 1.10
MOONROAD_115KV_HARTFLD_TB1-2 355988	29.72 0.08 -0.55	29.08 0.13 -0.32	25.54 0.16 -0.08	24.59 0.50 -0.01	25.48 0.55 -0.15	32.05 0.86 -0.83	65.81 1.42 -3.45	63.63 1.93 -4.61	51.77 2.20 -3.58	51.16 3.41 -4.14	44.20 3.01 -2.10	42.97 3.21 -1.71	42.36 2.52 -1.28	48.86 2.28 -1.69	49.94 2.78 -1.80	44.33 2.21 -1.48	46.01 2.25 -1.78	50.30 2.17 -2.05	101.27 5.29 -5.01	72.56 2.93 -5.70	53.91 1.29 -2.66	64.46 2.24 -3.42	65.92 2.74 -4.40	45.60 1.86 -2.05



MORRIS_RIDGE___SOLAR 323848	29.50 -0.21 -0.61	28.76 -0.23 -0.36	25.19 -0.20 -0.08	24.22 0.13 -0.01	25.16 0.21 -0.17	31.76 0.48 -0.93	65.44 0.63 -3.87	62.80 0.47 -5.25	50.77 0.71 -4.06	49.84 1.52 -4.70	42.74 1.26 -2.38	41.49 1.49 -1.94	41.08 1.07 -1.46	47.46 0.66 -1.91	48.49 1.11 -2.01	43.39 1.09 -1.66	45.06 1.09 -1.99	49.03 0.65 -2.29	99.37 2.78 -5.62	71.76 1.45 -6.39	53.25 0.31 -2.98	63.56 0.93 -3.83	65.07 1.36 -4.93	44.95 0.95 -2.30
MORTIMER_115KV_TB3 55949	29.87 0.26 -0.52	29.06 0.13 -0.31	25.49 0.12 -0.07	24.36 0.28 -0.01	25.18 0.26 -0.14	31.61 0.46 -0.79	65.14 0.93 -3.27	62.45 0.97 -4.39	50.55 1.15 -3.41	49.31 1.75 -3.94	42.77 1.68 -2.00	41.39 1.71 -1.63	41.20 1.43 -1.22	47.90 1.41 -1.60	48.77 1.71 -1.70	43.44 1.40 -1.40	45.01 1.36 -1.68	49.45 1.43 -1.94	99.02 3.31 -4.74	71.28 1.97 -5.39	53.32 0.85 -2.51	63.24 1.22 -3.23	64.18 1.23 -4.16	44.60 0.97 -1.94
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	30.10 1.00 0.00	29.53 0.91 0.00	26.04 0.74 0.00	24.74 0.66 0.00	25.45 0.67 0.00	31.15 0.79 0.00	62.32 1.38 0.00	58.48 1.40 0.00	47.26 1.26 0.00	45.36 1.74 0.00	40.84 1.75 0.00	40.13 1.84 -0.24	40.83 2.24 -0.04	47.63 2.75 0.00	48.24 2.88 0.00	43.24 2.60 0.00	44.64 2.66 0.00	49.06 2.98 0.00	96.90 5.93 0.00	67.81 3.89 0.00	52.17 2.21 0.00	60.75 1.95 0.00	60.40 1.62 0.00	42.72 1.03 0.00
MUNSVILLE_WIND_PWR 323609	31.00 1.24 -0.66	30.32 1.31 -0.39	26.51 1.12 -0.09	25.28 1.19 -0.01	26.23 1.27 -0.18	33.15 1.80 -1.01	69.33 4.22 -4.18	66.83 4.13 -5.62	53.74 3.40 -4.34	52.27 3.63 -5.02	44.80 3.17 -2.55	43.23 3.10 -2.08	42.99 2.87 -1.56	50.10 3.16 -2.05	51.02 3.48 -2.17	45.75 3.32 -1.79	47.79 3.66 -2.15	52.70 4.15 -2.48	105.86 8.83 -6.06	76.77 5.95 -6.89	57.14 3.96 -3.21	67.41 4.49 -4.13	68.45 4.35 -5.32	46.85 2.68 -2.48
N SALMON___HYD 24042	30.50 1.40 0.00	29.96 1.34 0.00	26.46 1.16 0.00	25.15 1.07 0.00	25.88 1.10 0.00	31.65 1.30 0.00	63.70 2.76 0.00	59.72 2.63 0.00	48.21 2.22 0.00	52.10 1.91 -6.57	43.04 1.54 -2.41	39.20 1.14 0.00	39.28 0.72 0.00	45.33 0.45 0.00	45.42 0.05 0.00	40.62 -0.03 0.00	42.01 0.03 0.00	46.06 -0.02 0.00	91.12 0.15 0.00	64.33 0.41 0.00	50.84 0.88 0.00	60.40 1.61 0.00	61.10 2.32 0.00	43.63 1.94 0.00
N.AKRON__115KV_KNAPP 355671	30.29 0.67 -0.53	29.40 0.46 -0.31	25.81 0.44 -0.08	24.80 0.71 -0.01	25.60 0.68 -0.14	32.17 1.02 -0.80	65.95 1.70 -3.32	63.28 1.74 -4.45	51.44 1.99 -3.45	50.56 2.95 -3.99	43.83 2.72 -2.03	42.44 2.73 -1.65	42.21 2.42 -1.24	48.80 2.29 -1.63	49.90 2.81 -1.72	44.44 2.37 -1.42	45.60 1.92 -1.71	49.96 1.91 -1.97	100.67 4.89 -4.81	72.44 3.04 -5.47	53.89 1.38 -2.55	64.25 2.17 -3.28	65.35 2.35 -4.22	45.71 2.04 -1.97
N.E_GEN_SANDY PD 24062	29.45 0.30 -0.06	28.94 0.32 0.00	25.59 0.29 0.00	24.32 0.24 0.00	25.02 0.24 0.00	30.55 0.20 0.00	61.17 0.23 0.00	57.87 0.05 -0.73	44.88 -0.07 1.05	38.46 0.23 5.39	36.14 0.28 3.23	33.15 0.33 5.23	38.16 0.64 1.03	46.91 1.00 -1.02	44.92 0.82 1.28	40.96 0.75 0.43	42.15 0.75 0.58	47.00 0.93 0.00	92.85 1.67 -0.21	64.22 1.17 0.88	51.46 0.58 -0.91	59.34 0.03 -0.51	54.08 -0.26 4.44	33.26 -0.06 8.37
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	29.89 0.80 0.00	29.34 0.71 0.00	25.87 0.57 0.00	24.58 0.51 0.00	25.30 0.52 0.00	30.97 0.62 0.00	62.24 1.30 0.00	58.39 1.31 0.00	47.03 1.03 0.00	44.98 1.36 0.00	40.47 1.38 0.00	39.75 1.48 -0.22	40.44 1.85 -0.04	47.18 2.29 0.00	47.81 2.45 0.00	42.84 2.20 0.00	44.27 2.30 0.00	48.71 2.63 0.00	96.40 5.43 0.00	67.43 3.50 0.00	51.83 1.86 0.00	60.36 1.57 0.00	60.06 1.28 0.00	42.48 0.79 0.00
N.QUEENS_27_KV_LOAD 356247	30.18 1.09 0.00	29.60 0.98 0.00	26.09 0.79 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.24 0.89 0.00	62.48 1.54 0.00	58.72 1.63 0.00	47.52 1.52 0.00	45.58 1.96 0.00	41.01 1.91 -0.01	40.28 1.98 -0.25	40.95 2.35 -0.05	49.75 2.85 -2.01	48.42 3.05 0.00	43.43 2.78 0.00	44.85 2.88 0.00	49.34 3.27 0.00	97.23 6.26 0.00	68.08 4.16 0.00	52.45 2.49 0.00	61.07 2.28 0.00	60.70 1.92 0.00	42.97 1.28 0.00
N.TROY___115KV_TB1 355778	29.52 0.42 0.00	29.08 0.45 0.00	25.72 0.42 0.00	24.45 0.37 0.00	25.15 0.37 0.00	30.72 0.37 0.00	61.60 0.66 0.00	57.54 0.46 0.00	46.25 0.25 0.00	44.09 0.47 0.00	39.54 0.45 0.00	38.20 0.46 0.31	39.18 0.68 0.05	45.85 0.96 0.00	46.15 0.78 0.00	41.35 0.71 0.00	42.73 0.76 0.00	46.95 0.87 0.00	92.51 1.54 0.00	65.12 1.20 0.00	50.73 0.77 0.00	59.20 0.41 0.00	58.91 0.13 0.00	41.94 0.25 0.00
NARROWS_GT1_1 24228	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT1_2 24229	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT1_3 24230	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT1_4 24231	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT1_5 24232	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22



NARROWS_GT1_6 24233	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT1_7 24234	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT1_8 24235	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_1 24236	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_2 24237	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_3 24238	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_4 24239	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_5 24240	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_6 24241	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_7 24242	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NARROWS_GT2_8 24243	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.58 1.65 0.00	59.68 1.93 0.00	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.99 3.40 -0.22	43.88 3.09 -0.15	45.13 3.12 -0.03	49.63 3.48 -0.07	97.29 6.32 0.00	68.10 4.17 0.00	52.73 2.67 -0.10	62.08 2.59 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	29.49 0.40 0.00	29.04 0.41 0.00	25.66 0.35 0.00	24.40 0.32 0.00	25.09 0.31 0.00	30.70 0.35 0.00	61.60 0.66 0.00	57.52 0.44 0.00	46.06 0.06 0.00	43.60 -0.02 0.00	39.18 0.09 0.00	38.14 0.16 0.08	38.66 0.12 0.01	45.01 0.12 0.00	45.37 0.00 0.00	40.75 0.10 0.00	42.28 0.31 0.00	46.48 0.40 0.00	91.56 0.59 0.00	64.46 0.54 0.00	50.15 0.19 0.00	58.55 -0.25 0.00	58.29 -0.49 0.00	41.43 -0.27 0.00
NCHELSEA_115KV_TR2 355582	29.97 0.87 0.00	29.46 0.83 0.00	25.99 0.69 0.00	24.70 0.62 0.00	25.40 0.62 0.00	31.10 0.75 0.00	62.32 1.38 0.00	58.47 1.38 0.00	47.15 1.15 0.00	45.19 1.57 0.00	40.61 1.51 0.00	39.80 1.52 -0.22	40.45 1.86 -0.04	47.25 2.37 0.00	47.81 2.44 0.00	42.87 2.23 0.00	44.31 2.34 0.00	48.78 2.70 0.00	96.39 5.42 0.00	67.56 3.63 0.00	52.06 2.10 0.00	60.66 1.87 0.00	60.33 1.56 0.00	42.67 0.97 0.00
NEG CAPITAL___MECHNVIL 23645	30.00 0.90 0.00	29.55 0.92 0.00	26.11 0.81 0.00	24.83 0.75 0.00	25.53 0.75 0.00	31.22 0.87 0.00	62.72 1.78 0.00	58.60 1.51 0.00	47.10 1.10 0.00	44.99 1.37 0.00	40.33 1.24 0.00	38.97 1.18 0.27	39.87 1.37 0.05	46.65 1.76 0.00	46.99 1.62 0.00	42.11 1.46 0.00	43.57 1.60 0.00	47.93 1.85 0.00	94.58 3.61 0.00	66.59 2.67 0.00	51.83 1.87 0.00	60.52 1.73 0.00	60.16 1.38 0.00	42.71 1.02 0.00
NEG CENTRAL_HIGH_ACRES 23767	29.30 -0.38 -0.58	28.49 -0.48 -0.34	24.96 -0.42 -0.08	23.83 -0.26 -0.01	24.65 -0.29 -0.16	31.02 -0.22 -0.88	64.22 -0.37 -3.65	61.76 -0.23 -4.91	49.93 0.13 -3.81	48.69 0.67 -4.40	42.00 0.68 -2.23	40.58 0.71 -1.82	40.41 0.49 -1.36	47.01 0.33 -1.79	47.86 0.59 -1.90	42.65 0.44 -1.57	44.30 0.44 -1.88	48.67 0.42 -2.17	97.53 1.26 -5.30	70.57 0.62 -6.03	52.63 -0.15 -2.81	62.37 -0.04 -3.61	63.34 -0.09 -4.65	43.84 -0.03 -2.17



NEG CENTRAL___DRP 24199	30.59 0.36 -1.13	29.60 0.31 -0.67	25.70 0.24 -0.16	24.45 0.35 -0.02	25.48 0.39 -0.31	32.71 0.64 -1.72	69.25 1.21 -7.10	67.88 1.24 -9.55	54.56 1.16 -7.40	53.77 1.60 -8.55	44.81 1.38 -4.34	42.98 1.39 -3.54	42.40 1.19 -2.66	49.44 1.07 -3.49	50.35 1.29 -3.70	45.00 1.31 -3.05	47.17 1.54 -3.66	52.01 1.72 -4.21	104.81 3.53 -10.31	77.88 2.22 -11.73	56.79 1.35 -5.47	67.40 1.57 -7.03	69.45 1.62 -9.05	46.89 0.97 -4.22
NEG CENTRAL___INDECK 23768	30.74 1.04 -0.61	29.90 0.91 -0.36	26.20 0.82 -0.08	25.11 1.02 -0.01	26.03 1.09 -0.17	32.86 1.58 -0.92	68.05 3.29 -3.81	65.41 3.18 -5.14	52.92 2.94 -3.98	51.46 3.24 -4.61	44.20 2.77 -2.33	42.89 2.93 -1.90	42.38 2.40 -1.43	49.03 2.27 -1.88	50.12 2.77 -1.99	44.94 2.66 -1.64	46.78 2.84 -1.96	50.79 2.45 -2.26	103.77 7.27 -5.53	75.12 4.90 -6.29	55.86 2.96 -2.93	66.33 3.77 -3.77	67.38 3.74 -4.86	46.46 2.49 -2.27
NEG CENTRAL___SENECA 23627	30.66 0.57 -0.99	29.74 0.52 -0.59	25.86 0.41 -0.14	24.67 0.57 -0.02	25.69 0.64 -0.27	32.84 0.98 -1.51	68.91 1.73 -6.24	67.23 1.75 -8.40	54.13 1.63 -6.50	53.30 2.17 -7.52	44.77 1.87 -3.81	43.05 1.89 -3.11	42.53 1.64 -2.34	49.45 1.49 -3.07	50.43 1.82 -3.25	45.14 1.82 -2.68	47.29 2.10 -3.22	52.07 2.29 -3.70	104.56 4.53 -9.06	77.05 2.82 -10.30	56.61 1.84 -4.80	67.18 2.21 -6.18	69.01 2.28 -7.95	46.79 1.38 -3.71
NEG CENTRAL___STATE_STREET 24147	30.39 0.12 -1.18	29.40 0.07 -0.70	25.51 0.05 -0.16	24.22 0.12 -0.02	25.24 0.14 -0.32	32.43 0.28 -1.80	68.99 0.62 -7.43	67.73 0.66 -9.99	54.37 0.64 -7.73	53.51 0.95 -8.94	44.50 0.79 -4.62	42.54 0.79 -3.69	41.98 0.65 -2.78	49.11 0.57 -3.65	49.93 0.70 -3.87	44.51 0.68 -3.19	46.65 0.85 -3.83	51.60 1.12 -4.41	104.26 2.51 -10.78	77.80 1.61 -12.26	56.53 0.85 -5.72	67.10 0.95 -7.35	69.25 1.01 -9.46	46.73 0.62 -4.42
NEG MILLWOOD___DRP 24198	30.02 0.92 0.00	29.51 0.88 0.00	26.02 0.72 0.00	24.73 0.65 0.00	25.43 0.65 0.00	31.14 0.78 0.00	62.41 1.47 0.00	58.55 1.46 0.00	47.26 1.26 0.00	45.30 1.68 0.00	40.76 1.67 0.00	39.99 1.70 -0.24	40.60 2.01 -0.04	47.43 2.55 0.00	48.00 2.63 0.00	43.05 2.41 0.00	44.48 2.51 0.00	48.96 2.89 0.00	96.79 5.82 0.00	67.81 3.88 0.00	52.23 2.27 0.00	60.82 2.03 0.00	60.47 1.69 0.00	42.73 1.03 0.00
NEG NORTH_FLCN_SEA 23793	30.95 1.86 0.00	30.38 1.76 0.00	26.79 1.49 0.00	25.39 1.31 0.00	26.06 1.28 0.00	31.61 1.26 0.00	63.24 2.30 0.00	58.78 1.70 0.00	47.36 1.37 0.00	46.66 1.65 -1.39	41.05 1.45 -0.51	38.91 0.85 0.00	38.88 0.33 0.00	44.39 -0.50 0.00	43.89 -1.48 0.00	39.23 -1.41 0.00	40.60 -1.37 0.00	44.68 -1.40 0.00	88.28 -2.69 0.00	62.27 -1.65 0.00	48.99 -0.97 0.00	58.40 -0.40 0.00	59.92 1.14 0.00	43.32 1.63 0.00
NEG NORTH_KES_CHATEGAY 23792	30.33 1.23 0.00	29.79 1.17 0.00	26.30 1.00 0.00	24.99 0.91 0.00	25.71 0.93 0.00	31.35 1.00 0.00	62.93 2.00 0.00	58.82 1.74 0.00	47.42 1.42 0.00	47.50 1.19 -2.69	41.05 0.97 -0.99	38.66 0.61 0.00	38.77 0.22 0.00	44.68 -0.21 0.00	44.69 -0.67 0.00	39.98 -0.66 0.00	41.34 -0.63 0.00	45.42 -0.66 0.00	89.79 -1.18 0.00	63.36 -0.56 0.00	50.03 0.06 0.00	59.42 0.62 0.00	60.27 1.49 0.00	43.19 1.49 0.00
NEG NORTH___ALICE_FALLS 23915	30.90 1.81 0.00	30.33 1.71 0.00	26.76 1.46 0.00	25.39 1.31 0.00	26.09 1.31 0.00	31.73 1.38 0.00	63.59 2.65 0.00	59.29 2.21 0.00	47.80 1.80 0.00	47.13 1.89 -1.62	41.32 1.63 -0.59	39.16 1.11 0.00	39.18 0.62 0.00	44.88 -0.01 0.00	44.60 -0.76 0.00	39.89 -0.76 0.00	41.27 -0.70 0.00	45.44 -0.64 0.00	89.86 -1.11 0.00	63.40 -0.52 0.00	49.89 -0.07 0.00	59.34 0.55 0.00	60.55 1.77 0.00	43.54 1.84 0.00
NEG NORTH___LWR_SARANAC 23913	30.90 1.81 0.00	30.33 1.71 0.00	26.76 1.46 0.00	25.39 1.31 0.00	26.09 1.31 0.00	31.73 1.38 0.00	63.59 2.65 0.00	59.29 2.21 0.00	47.80 1.80 0.00	47.13 1.89 -1.62	41.32 1.63 -0.59	39.16 1.11 0.00	39.18 0.62 0.00	44.88 -0.01 0.00	44.60 -0.76 0.00	39.89 -0.76 0.00	41.27 -0.70 0.00	45.44 -0.64 0.00	89.86 -1.11 0.00	63.40 -0.52 0.00	49.89 -0.07 0.00	59.34 0.55 0.00	60.55 1.77 0.00	43.54 1.84 0.00
NEG NORTH___PLATTSBURG 23628	30.90 1.81 0.00	30.33 1.71 0.00	26.76 1.46 0.00	25.39 1.31 0.00	26.09 1.31 0.00	31.73 1.38 0.00	63.59 2.66 0.00	59.29 2.21 0.00	47.80 1.80 0.00	47.13 1.89 -1.62	41.32 1.63 -0.59	39.16 1.11 0.00	39.17 0.62 0.00	44.88 -0.01 0.00	44.60 -0.77 0.00	39.89 -0.76 0.00	41.27 -0.70 0.00	45.44 -0.64 0.00	89.88 -1.09 0.00	63.41 -0.52 0.00	49.89 -0.07 0.00	59.34 0.54 0.00	60.55 1.77 0.00	43.54 1.84 0.00
NEG WEST_LEA_LOCKPORT 23791	29.53 -0.10 -0.53	28.64 -0.29 -0.32	25.17 -0.20 -0.08	24.24 0.15 -0.01	25.02 0.10 -0.14	31.44 0.29 -0.80	64.19 -0.08 -3.33	61.44 -0.12 -4.48	50.05 0.59 -3.47	49.47 1.84 -4.01	42.92 1.79 -2.04	41.67 1.96 -1.66	41.29 1.50 -1.24	47.62 1.10 -1.64	48.71 1.61 -1.73	43.26 1.19 -1.43	44.62 0.93 -1.72	48.73 0.68 -1.98	97.65 1.85 -4.83	70.10 0.67 -5.50	52.10 -0.43 -2.56	62.40 0.31 -3.30	63.71 0.69 -4.24	44.73 1.06 -1.98
NEG WEST___LANCASTR 23811	29.46 -0.19 -0.55	28.62 -0.32 -0.32	25.14 -0.24 -0.08	24.17 0.08 -0.01	24.98 0.05 -0.15	31.42 0.24 -0.83	64.52 0.12 -3.45	61.93 0.21 -4.63	50.33 0.74 -3.59	49.67 1.90 -4.15	42.99 1.79 -2.10	41.77 2.00 -1.72	41.26 1.42 -1.29	47.62 1.04 -1.69	48.69 1.53 -1.80	43.29 1.17 -1.48	44.82 1.07 -1.78	48.94 0.81 -2.05	98.32 2.33 -5.01	70.53 0.91 -5.70	52.42 -0.20 -2.66	62.71 0.49 -3.42	64.13 0.95 -4.40	44.58 0.83 -2.05
NEG_PENN_ALLEGHNY 23528	29.77 0.01 -0.66	29.07 0.05 -0.39	25.41 0.01 -0.09	24.19 0.10 -0.01	25.06 0.10 -0.18	31.59 0.23 -1.01	65.58 0.48 -4.16	63.17 0.49 -5.60	50.79 0.46 -4.33	49.61 0.98 -5.00	42.42 0.79 -2.54	41.00 0.88 -2.07	40.81 0.70 -1.56	47.61 0.67 -2.05	48.42 0.88 -2.17	43.21 0.78 -1.79	45.04 0.92 -2.14	49.43 0.89 -2.47	99.17 2.16 -6.04	71.96 1.16 -6.87	53.55 0.39 -3.20	63.48 0.56 -4.12	64.86 0.78 -5.30	44.48 0.31 -2.47
NEG___GEN_MONROE 24207	30.28 0.67 -0.52	29.38 0.45 -0.31	25.76 0.39 -0.07	24.66 0.58 -0.01	25.48 0.56 -0.14	32.02 0.88 -0.79	66.04 1.83 -3.27	63.09 1.62 -4.39	51.04 1.63 -3.41	49.90 2.34 -3.94	43.49 2.41 -2.00	42.17 2.49 -1.63	41.91 2.13 -1.22	48.63 2.14 -1.61	49.40 2.33 -1.70	44.03 1.99 -1.40	45.37 1.71 -1.68	49.79 1.78 -1.94	99.87 4.16 -4.74	71.94 2.61 -5.39	53.75 1.27 -2.52	63.77 1.74 -3.23	64.71 1.76 -4.16	45.12 1.48 -1.94
NEPA___ENERGY 23901	29.32 -0.33 -0.55	28.63 -0.33 -0.33	25.08 -0.29 -0.08	24.13 0.04 -0.01	24.97 0.04 -0.15	31.47 0.28 -0.84	64.65 0.24 -3.46	61.92 0.22 -4.62	50.03 0.46 -3.58	49.51 1.76 -4.14	42.61 1.43 -2.10	41.48 1.72 -1.71	40.94 1.10 -1.28	47.25 0.67 -1.69	48.38 1.21 -1.80	42.98 0.85 -1.49	44.74 0.99 -1.79	48.86 0.72 -2.06	98.96 2.96 -5.03	70.61 0.97 -5.72	52.34 -0.29 -2.67	62.73 0.50 -3.43	64.47 1.27 -4.41	44.40 0.64 -2.06



NEVERSINK___HYD 23608	29.35 0.25 0.00	28.82 0.20 0.00	25.44 0.14 0.00	24.18 0.10 0.00	24.87 0.09 0.00	30.47 0.11 0.00	61.14 0.20 0.00	57.40 0.32 0.00	46.28 0.28 0.00	44.29 0.66 0.00	39.72 0.63 0.00	38.83 0.61 -0.16	39.62 1.04 -0.03	46.24 1.36 0.00	46.81 1.44 0.00	41.94 1.30 0.00	43.43 1.45 0.00	47.82 1.74 0.00	94.63 3.66 0.00	66.34 2.42 0.00	51.16 1.19 0.00	59.67 0.88 0.00	59.37 0.59 0.00	41.94 0.25 0.00
NEWKRMKL_115KV_TB1 55635	28.99 -0.11 0.00	28.54 -0.08 0.00	25.23 -0.07 0.00	23.98 -0.10 0.00	24.68 -0.10 0.00	30.17 -0.18 0.00	60.43 -0.50 0.00	56.48 -0.61 0.00	45.47 -0.52 0.00	43.28 -0.34 0.00	38.82 -0.27 0.00	37.61 -0.25 0.19	38.47 -0.05 0.03	44.91 0.03 0.00	45.32 -0.05 0.00	40.65 0.01 0.00	41.99 0.01 0.00	46.12 0.04 0.00	90.77 -0.20 0.00	63.84 -0.09 0.00	49.64 -0.32 0.00	57.96 -0.83 0.00	57.75 -1.03 0.00	41.08 -0.61 0.00
NEWTON___FALLS_HYD 23847	30.24 0.80 -0.34	29.68 0.85 -0.20	26.16 0.80 -0.05	24.72 0.63 -0.01	25.67 0.79 -0.09	32.07 1.20 -0.52	66.26 3.17 -2.15	63.32 3.24 -3.00	50.99 2.72 -2.27	60.94 2.40 -14.92	46.63 1.74 -5.80	40.36 1.28 -1.03	40.31 0.97 -0.79	46.88 0.96 -1.04	47.30 0.84 -1.10	42.29 0.74 -0.91	43.85 0.79 -1.09	48.04 0.71 -1.25	96.19 2.15 -3.07	69.27 1.86 -3.49	53.45 1.86 -1.62	63.64 2.76 -2.09	64.34 2.87 -2.69	44.91 1.96 -1.26
NGRID_A1_DSASP 323792	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.00 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.26 -0.99 -3.31	60.24 -1.28 -4.44	49.22 -0.22 -3.44	48.73 1.13 -3.98	42.51 1.40 -2.02	41.29 1.60 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.66 -1.42	44.15 0.47 -1.71	48.19 0.15 -1.96	95.54 -0.23 -4.80	68.60 -0.79 -5.46	51.17 -1.34 -2.55	61.27 -0.80 -3.28	62.58 -0.41 -4.21	44.47 0.81 -1.97
NGRID_A2_DSASP 323793	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.00 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.26 -0.99 -3.31	60.24 -1.28 -4.44	49.22 -0.22 -3.44	48.73 1.13 -3.98	42.51 1.40 -2.02	41.29 1.60 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.66 -1.42	44.15 0.47 -1.71	48.19 0.15 -1.96	95.54 -0.23 -4.80	68.60 -0.79 -5.46	51.17 -1.34 -2.55	61.27 -0.80 -3.28	62.58 -0.41 -4.21	44.47 0.81 -1.97
NGRID_A4_DSASP 323807	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.00 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.26 -0.99 -3.31	60.24 -1.28 -4.44	49.22 -0.22 -3.44	48.73 1.13 -3.98	42.51 1.40 -2.02	41.29 1.60 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.66 -1.42	44.15 0.47 -1.71	48.19 0.15 -1.96	95.54 -0.23 -4.80	68.60 -0.79 -5.46	51.17 -1.34 -2.55	61.27 -0.80 -3.28	62.58 -0.41 -4.21	44.47 0.81 -1.97
NIAGARA_115E_LBMP 323715	29.12 -0.50 -0.53	28.26 -0.68 -0.31	24.84 -0.54 -0.08	23.92 -0.17 -0.01	24.68 -0.24 -0.14	31.01 -0.14 -0.80	63.17 -1.10 -3.33	60.47 -1.08 -4.46	49.30 -0.16 -3.46	48.75 1.12 -4.00	42.29 1.17 -2.03	41.09 1.39 -1.65	40.72 0.92 -1.24	46.95 0.43 -1.63	48.02 0.92 -1.73	42.64 0.57 -1.43	43.98 0.29 -1.72	48.00 -0.05 -1.98	96.01 0.21 -4.83	68.97 -0.45 -5.49	51.22 -1.30 -2.56	61.42 -0.67 -3.29	62.74 -0.28 -4.24	44.10 0.43 -1.98
NIAGARA_115W_LBMP 323714	29.26 -0.36 -0.53	28.40 -0.54 -0.31	24.97 -0.40 -0.08	24.07 -0.02 -0.01	24.84 -0.08 -0.14	31.18 0.03 -0.80	63.11 -1.13 -3.31	60.07 -1.44 -4.43	49.10 -0.33 -3.43	48.61 1.02 -3.97	42.42 1.31 -2.02	41.21 1.51 -1.64	40.73 0.95 -1.23	47.06 0.55 -1.62	48.12 1.04 -1.72	42.64 0.58 -1.42	44.05 0.37 -1.70	48.09 0.05 -1.96	95.29 -0.48 -4.80	68.42 -0.96 -5.46	51.05 -1.45 -2.54	61.13 -0.94 -3.27	62.44 -0.55 -4.21	44.41 0.75 -1.97
NIAGARA_230_LBMP 323716	29.29 -0.32 -0.52	28.44 -0.49 -0.31	25.01 -0.37 -0.07	24.09 0.00 -0.01	24.86 -0.06 -0.14	31.21 0.06 -0.79	63.72 -0.50 -3.29	60.94 -0.55 -4.40	49.66 0.25 -3.41	49.06 1.50 -3.95	42.62 1.53 -2.00	41.39 1.70 -1.63	40.93 1.15 -1.22	47.28 0.78 -1.61	48.35 1.27 -1.71	42.90 0.84 -1.41	44.27 0.61 -1.69	48.35 0.32 -1.95	96.62 0.89 -4.76	69.35 0.01 -5.42	51.58 -0.91 -2.53	61.82 -0.23 -3.25	63.16 0.20 -4.18	44.38 0.74 -1.95
NIAGARA___115KV_198_GIBSON 55903	29.26 -0.36 -0.53	28.40 -0.54 -0.31	24.97 -0.40 -0.08	24.07 -0.02 -0.01	24.84 -0.08 -0.14	31.18 0.03 -0.80	63.12 -1.12 -3.31	60.08 -1.44 -4.43	49.08 -0.35 -3.43	48.61 1.02 -3.97	42.45 1.34 -2.02	41.22 1.53 -1.64	40.73 0.95 -1.23	47.06 0.55 -1.62	48.12 1.03 -1.72	42.64 0.58 -1.42	44.05 0.37 -1.70	48.09 0.05 -1.96	95.34 -0.43 -4.80	68.42 -0.96 -5.46	51.08 -1.43 -2.54	61.13 -0.93 -3.27	62.42 -0.57 -4.21	44.41 0.75 -1.97
NIAGARA____ 23760	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.01 -0.37 -0.08	24.09 0.00 -0.01	24.86 -0.06 -0.14	31.21 0.06 -0.80	63.75 -0.50 -3.31	60.97 -0.55 -4.43	49.68 0.25 -3.43	49.09 1.50 -3.97	42.63 1.53 -2.02	41.40 1.70 -1.64	40.94 1.15 -1.23	47.29 0.78 -1.62	48.35 1.27 -1.72	42.90 0.84 -1.42	44.28 0.61 -1.70	48.36 0.32 -1.96	96.65 0.89 -4.79	69.38 0.01 -5.45	51.59 -0.91 -2.54	61.84 -0.23 -3.27	63.19 0.20 -4.21	44.41 0.74 -1.97
NINE_MILE_1 23575	21.14 -0.86 7.10	23.55 -0.85 4.22	23.55 -0.76 0.99	23.26 -0.69 0.14	22.13 -0.71 1.93	18.75 -0.82 10.77	15.11 -1.61 44.22	-4.01 -1.49 59.60	-1.02 -1.12 45.90	-10.26 -0.85 53.03	11.41 -0.78 26.90	15.38 -0.75 21.93	21.15 -0.81 16.59	22.09 -1.01 21.79	21.33 -0.96 23.08	20.76 -0.86 19.03	18.28 -0.84 22.85	18.83 -0.94 26.31	24.87 -1.72 64.38	-10.59 -1.27 73.24	14.61 -1.22 34.14	13.42 -1.47 43.90	0.81 -1.46 56.51	14.25 -1.08 26.36
NINE_MILE_2 23744	21.02 -0.86 7.22	23.48 -0.85 4.29	23.53 -0.76 1.01	23.25 -0.69 0.14	22.10 -0.71 1.97	18.57 -0.82 10.96	14.36 -1.61 44.97	-5.02 -1.49 60.62	-1.81 -1.13 46.68	-11.17 -0.85 53.93	10.96 -0.78 27.36	15.00 -0.75 22.30	20.87 -0.81 16.87	21.71 -1.01 22.16	20.93 -0.96 23.47	20.43 -0.86 19.35	17.89 -0.84 23.24	18.38 -0.94 26.76	23.77 -1.73 65.48	-11.83 -1.27 74.49	14.03 -1.22 34.72	12.67 -1.47 44.65	-0.15 -1.46 57.47	13.80 -1.08 26.81
NM_CAPITAL___DRP 24208	29.02 -0.07 0.00	28.59 -0.04 0.00	25.27 -0.03 0.00	24.03 -0.06 0.00	24.72 -0.05 0.00	30.21 -0.15 0.00	60.49 -0.45 0.00	56.53 -0.56 0.00	45.51 -0.49 0.00	43.30 -0.32 0.00	38.85 -0.25 0.00	37.62 -0.22 0.21	38.50 -0.02 0.04	44.98 0.09 0.00	45.36 -0.01 0.00	40.68 0.04 0.00	42.01 0.03 0.00	46.14 0.06 0.00	90.78 -0.19 0.00	63.88 -0.04 0.00	49.68 -0.28 0.00	57.99 -0.81 0.00	57.79 -0.99 0.00	41.14 -0.55 0.00
NM_CENTRAL___DRP 24181	29.68 -0.30 -0.88	28.82 -0.32 -0.53	25.12 -0.30 -0.12	23.85 -0.24 -0.02	24.77 -0.25 -0.24	31.47 -0.23 -1.34	66.16 -0.36 -5.58	64.35 -0.24 -7.50	51.75 -0.07 -5.82	51.12 0.24 -7.26	42.90 0.21 -3.61	41.05 0.22 -2.78	40.77 0.13 -2.09	47.70 0.07 -2.74	48.42 0.14 -2.90	43.17 0.13 -2.39	45.08 0.23 -2.87	49.61 0.22 -3.31	99.73 0.66 -8.10	73.49 0.35 -9.21	54.19 -0.07 -4.29	64.17 -0.14 -5.52	65.70 -0.18 -7.11	44.81 -0.20 -3.32



NM_FRONTIER___DRP 24179	29.26 -0.36 -0.53	28.40 -0.54 -0.31	24.97 -0.40 -0.08	24.07 -0.02 -0.01	24.84 -0.08 -0.14	31.18 0.03 -0.80	63.12 -1.12 -3.31	60.08 -1.44 -4.43	49.08 -0.35 -3.43	48.61 1.02 -3.97	42.45 1.34 -2.02	41.22 1.53 -1.64	40.73 0.95 -1.23	47.06 0.55 -1.62	48.12 1.03 -1.72	42.64 0.58 -1.42	44.05 0.37 -1.70	48.09 0.05 -1.96	95.34 -0.43 -4.80	68.42 -0.96 -5.46	51.08 -1.43 -2.54	61.13 -0.93 -3.27	62.42 -0.57 -4.21	44.41 0.75 -1.97
NM_ST_REGIS___HYD 24053	30.39 1.12 -0.17	29.80 1.08 -0.10	26.29 0.96 -0.02	24.95 0.87 0.00	25.77 0.95 -0.04	31.81 1.21 -0.25	64.87 2.84 -1.09	61.50 2.84 -1.58	49.60 2.41 -1.19	62.63 1.93 -17.08	46.85 1.34 -6.41	39.49 0.95 -0.50	39.51 0.57 -0.38	45.78 0.39 -0.50	46.09 0.19 -0.53	41.14 0.05 -0.44	42.44 -0.07 -0.53	46.36 -0.33 -0.61	92.11 -0.35 -1.49	65.76 0.15 -1.69	51.70 0.95 -0.79	61.70 1.89 -1.01	62.46 2.38 -1.30	44.11 1.81 -0.61
NORTHPORT___1 23551	29.69 0.60 0.00	29.20 0.58 0.00	25.69 0.39 0.00	24.39 0.30 0.00	25.10 0.32 0.00	30.46 0.10 0.00	46.10 -0.54 14.30	27.58 -0.40 29.11	43.26 -0.15 2.58	44.20 0.58 0.00	39.98 0.89 0.00	39.33 1.03 -0.24	40.08 1.49 -0.04	40.34 1.51 6.05	47.13 1.76 0.00	42.92 1.55 -0.73	43.24 1.46 0.19	30.68 1.60 17.00	20.37 3.06 73.65	22.06 2.01 43.87	50.58 0.79 0.17	57.31 0.24 1.72	45.45 -0.25 13.09	40.48 -0.10 1.12
NORTHPORT___2 23552	29.69 0.60 0.00	29.20 0.58 0.00	25.69 0.39 0.00	24.39 0.30 0.00	25.10 0.32 0.00	30.46 0.10 0.00	46.10 -0.54 14.30	27.58 -0.40 29.11	43.26 -0.15 2.58	44.20 0.58 0.00	39.98 0.89 0.00	39.33 1.03 -0.24	40.08 1.49 -0.04	40.34 1.51 6.05	47.13 1.76 0.00	42.92 1.55 -0.73	43.24 1.46 0.19	30.68 1.60 17.00	20.37 3.06 73.65	22.06 2.01 43.87	50.58 0.79 0.17	57.31 0.24 1.72	45.45 -0.25 13.09	40.48 -0.10 1.12
NORTHPORT___3 23553	29.69 0.59 0.00	29.19 0.57 0.00	25.68 0.38 0.00	24.37 0.29 0.00	25.08 0.30 0.00	30.44 0.08 0.00	46.11 -0.61 14.22	27.72 -0.42 28.94	43.24 -0.19 2.57	44.17 0.55 0.00	39.93 0.84 0.00	39.30 1.01 -0.24	40.05 1.46 -0.04	40.29 1.45 6.06	47.11 1.74 0.00	42.90 1.53 -0.73	43.24 1.45 0.18	30.76 1.58 16.90	20.77 3.04 73.24	22.30 1.99 43.62	50.58 0.79 0.17	57.30 0.22 1.72	45.48 -0.29 13.01	40.45 -0.14 1.11
NORTHPORT___4 23650	29.69 0.59 0.00	29.19 0.57 0.00	25.68 0.38 0.00	24.37 0.29 0.00	25.08 0.30 0.00	30.44 0.08 0.00	46.11 -0.61 14.22	27.72 -0.42 28.94	43.24 -0.19 2.57	44.17 0.55 0.00	39.93 0.84 0.00	39.30 1.01 -0.24	40.05 1.46 -0.04	40.29 1.45 6.06	47.11 1.74 0.00	42.90 1.53 -0.73	43.24 1.45 0.18	30.76 1.58 16.90	20.77 3.04 73.24	22.30 1.99 43.62	50.58 0.79 0.17	57.30 0.22 1.72	45.48 -0.29 13.01	40.45 -0.14 1.11
NORTHPORT___IC 23718	29.69 0.60 0.00	29.20 0.58 0.00	25.69 0.38 0.00	24.39 0.30 0.00	25.09 0.31 0.00	30.45 0.10 0.00	46.11 -0.53 14.30	27.60 -0.38 29.11	43.25 -0.16 2.58	44.21 0.59 0.00	39.94 0.85 0.00	39.32 1.03 -0.24	40.08 1.49 -0.04	40.34 1.51 6.05	47.13 1.76 0.00	42.91 1.54 -0.73	43.24 1.46 0.19	30.68 1.60 17.00	20.41 3.09 73.65	22.09 2.03 43.87	50.58 0.79 0.17	57.31 0.23 1.72	45.46 -0.23 13.09	40.49 -0.09 1.12
NORTH___COUNTRY_ESR 323785	30.22 1.13 0.00	29.69 1.07 0.00	26.23 0.93 0.00	24.92 0.84 0.00	25.63 0.85 0.00	31.27 0.92 0.00	62.75 1.81 0.00	58.63 1.55 0.00	47.28 1.29 0.00	47.38 1.05 -2.71	40.95 0.86 -1.00	38.59 0.54 0.00	38.74 0.18 0.00	44.67 -0.22 0.00	44.69 -0.68 0.00	39.97 -0.67 0.00	41.29 -0.68 0.00	45.35 -0.73 0.00	89.61 -1.36 0.00	63.18 -0.75 0.00	49.89 -0.08 0.00	59.30 0.50 0.00	60.10 1.32 0.00	43.00 1.31 0.00
NPX_GEN_1385_PROXY 323591	29.69 0.60 0.00	29.20 0.58 0.00	25.69 0.39 0.00	24.39 0.30 0.00	25.10 0.32 0.00	30.46 0.10 0.00	46.10 -0.54 14.30	27.58 -0.40 29.11	43.26 -0.15 2.58	44.20 0.58 0.00	39.98 0.89 0.00	39.33 1.03 -0.24	40.08 1.49 -0.04	40.34 1.51 6.05	47.13 1.76 0.00	42.92 1.55 -0.73	43.24 1.46 0.19	30.68 1.60 17.00	20.37 3.06 73.65	22.06 2.01 43.87	50.58 0.79 0.17	57.31 0.24 1.72	45.45 -0.25 13.09	40.48 -0.10 1.12
NPX_GEN_CSC 323557	29.40 0.31 0.00	28.89 0.27 0.00	25.39 0.09 0.00	24.11 0.02 0.00	24.80 0.03 0.00	30.15 -0.20 0.00	45.88 -0.98 14.07	27.68 -0.75 28.66	42.99 -0.47 2.54	43.85 0.23 0.00	39.59 0.50 0.00	38.45 0.48 0.09	34.58 0.89 4.86	30.70 0.90 15.08	44.51 1.21 2.07	42.49 1.11 -0.74	42.87 1.07 0.17	30.58 1.22 16.72	20.87 2.37 72.47	22.39 1.62 43.16	50.19 0.39 0.17	56.86 -0.25 1.70	45.14 -0.77 12.87	40.14 -0.45 1.10
NSINS_S_GLNS_FALLS 23858	30.16 1.07 0.00	29.72 1.10 0.00	26.29 0.99 0.00	24.99 0.91 0.00	25.66 0.88 0.00	31.30 0.94 0.00	62.88 1.94 0.00	58.78 1.69 0.00	47.19 1.20 0.00	45.07 1.46 0.00	40.40 1.31 0.00	39.07 1.25 0.24	40.02 1.51 0.04	46.82 1.94 0.00	47.08 1.71 0.00	42.07 1.43 0.00	43.57 1.60 0.00	48.02 1.94 0.00	95.03 4.06 0.00	66.97 3.04 0.00	52.15 2.19 0.00	60.87 2.07 0.00	60.28 1.51 0.00	42.82 1.13 0.00
NUCOR_STEEL___DRP 24197	30.36 0.05 -1.21	29.36 0.02 -0.72	25.47 -0.01 -0.17	24.16 0.06 -0.02	25.18 0.07 -0.33	32.38 0.19 -1.84	69.01 0.48 -7.59	67.80 0.51 -10.21	54.42 0.52 -7.90	53.58 0.82 -9.14	44.48 0.67 -4.73	42.50 0.67 -3.78	41.94 0.54 -2.84	49.07 0.46 -3.73	49.90 0.58 -3.95	44.46 0.56 -3.26	46.61 0.73 -3.91	51.58 1.00 -4.50	104.28 2.29 -11.02	77.92 1.46 -12.54	56.56 0.75 -5.84	67.13 0.81 -7.51	69.33 0.88 -9.67	46.74 0.53 -4.51
NUMBER_THREE_WT_PWR 323818	30.04 0.53 -0.42	29.58 0.71 -0.25	26.06 0.70 -0.06	24.53 0.44 -0.01	25.57 0.67 -0.12	32.20 1.21 -0.64	66.89 3.38 -2.57	64.08 3.45 -3.54	51.54 2.88 -2.66	54.83 2.73 -8.48	44.75 2.14 -3.52	41.00 1.70 -1.24	40.95 1.44 -0.97	47.73 1.57 -1.27	48.17 1.45 -1.34	43.13 1.37 -1.11	45.04 1.73 -1.33	49.53 1.92 -1.53	99.43 4.71 -3.75	71.78 3.59 -4.27	54.69 2.74 -1.99	64.73 3.37 -2.56	65.28 3.21 -3.29	45.33 2.10 -1.54
NYISO_LBMP_REFERENCE 24008	29.10 0.00 0.00	28.62 0.00 0.00	25.30 0.00 0.00	24.08 0.00 0.00	24.78 0.00 0.00	30.35 0.00 0.00	60.94 0.00 0.00	57.08 0.00 0.00	46.00 0.00 0.00	43.62 0.00 0.00	39.09 0.00 0.00	38.06 0.00 0.00	38.55 0.00 0.00	44.89 0.00 0.00	45.37 0.00 0.00	40.64 0.00 0.00	41.97 0.00 0.00	46.08 0.00 0.00	90.97 0.00 0.00	63.92 0.00 0.00	49.96 0.00 0.00	58.80 0.00 0.00	58.78 0.00 0.00	41.69 0.00 0.00
NYPA_BRENTWD____GT 24164	29.97 0.87 0.00	29.43 0.81 0.00	25.89 0.59 0.00	24.57 0.49 0.00	25.29 0.51 0.00	30.74 0.39 0.00	47.30 0.16 13.80	29.28 0.33 28.13	43.95 0.45 2.50	44.77 1.15 0.00	40.41 1.32 0.00	39.71 1.42 -0.24	40.46 1.87 -0.04	41.55 2.06 5.40	47.72 2.36 0.00	43.53 2.13 -0.75	43.93 2.10 0.14	32.04 2.35 16.39	24.51 4.60 71.06	24.70 3.08 42.31	51.39 1.59 0.17	58.28 1.15 1.66	46.80 0.64 12.62	41.10 0.48 1.08



NYPA_GOWANUS____GT5 24156	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.57 1.63 0.00	59.67 1.92 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.12 3.11 -0.03	49.61 3.47 -0.07	97.25 6.28 0.00	68.07 4.15 0.00	52.72 2.65 -0.10	62.06 2.57 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NYPA_GOWANUS____GT6 24157	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.57 1.63 0.00	59.67 1.92 -0.67	48.53 1.87 -0.67	46.69 2.31 -0.76	42.31 2.29 -0.92	41.08 2.36 -0.67	42.35 2.75 -1.05	49.56 3.31 -1.37	48.98 3.40 -0.22	43.88 3.09 -0.15	45.12 3.11 -0.03	49.61 3.47 -0.07	97.25 6.28 0.00	68.07 4.15 0.00	52.72 2.65 -0.10	62.06 2.57 -0.69	62.09 2.24 -1.07	43.31 1.40 -0.22
NYPA_HARLEM__RVR__GT1 24160	30.16 1.06 0.00	29.58 0.96 0.00	26.08 0.77 0.00	24.79 0.71 0.00	25.50 0.72 0.00	31.21 0.86 0.00	62.35 1.41 0.00	58.58 1.49 0.00	47.42 1.42 0.00	45.51 1.89 0.00	40.97 1.87 -0.01	40.25 1.95 -0.25	40.88 2.28 -0.05	47.65 2.76 -0.01	48.30 2.93 0.00	43.31 2.66 0.00	44.71 2.74 0.00	49.18 3.10 0.00	96.91 5.94 0.00	67.86 3.94 0.00	52.31 2.34 0.00	60.92 2.13 0.00	60.54 1.77 0.00	42.87 1.18 0.00
NYPA_HARLEM__RVR__GT2 24161	30.16 1.06 0.00	29.58 0.96 0.00	26.08 0.77 0.00	24.79 0.71 0.00	25.50 0.72 0.00	31.21 0.86 0.00	62.35 1.41 0.00	58.58 1.49 0.00	47.42 1.42 0.00	45.51 1.89 0.00	40.97 1.87 -0.01	40.25 1.95 -0.25	40.88 2.28 -0.05	47.65 2.76 -0.01	48.30 2.93 0.00	43.31 2.66 0.00	44.71 2.74 0.00	49.18 3.10 0.00	96.91 5.94 0.00	67.86 3.94 0.00	52.31 2.34 0.00	60.92 2.13 0.00	60.54 1.77 0.00	42.87 1.18 0.00
NYPA_KENT____GT 24152	30.25 1.15 0.00	29.65 1.03 0.00	26.15 0.85 0.00	24.83 0.75 0.00	25.55 0.77 0.00	31.28 0.92 0.00	62.52 1.58 0.00	59.28 1.79 -0.40	48.11 1.71 -0.40	46.25 2.17 -0.46	41.81 2.16 -0.56	40.79 2.23 -0.50	41.83 2.63 -0.65	48.88 3.17 -0.83	48.76 3.26 -0.13	43.69 2.96 -0.09	44.98 2.99 -0.02	49.44 3.32 -0.04	97.14 6.17 0.00	67.97 4.05 0.00	52.49 2.48 -0.05	61.49 2.34 -0.35	61.44 2.01 -0.65	43.10 1.27 -0.13
NYPA_POUCH1____GT 24155	30.32 1.22 0.00	29.71 1.09 0.00	26.20 0.90 0.00	24.90 0.82 0.00	25.62 0.84 0.00	31.36 1.01 0.00	62.39 1.54 0.09	37.93 1.85 21.01	35.02 1.98 12.96	31.40 2.45 14.67	23.62 2.42 17.89	32.41 2.45 8.10	21.90 2.84 19.48	20.65 3.39 27.62	40.52 3.46 8.31	37.39 3.21 6.46	39.89 3.20 5.29	46.83 3.54 2.78	97.04 6.21 0.14	68.03 4.12 0.01	50.65 2.77 2.09	48.99 2.73 12.54	40.46 2.40 20.72	37.49 1.51 5.71
NYPA_VERNON____GT2 24162	30.21 1.12 0.00	29.63 1.01 0.00	26.13 0.83 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.25 0.89 0.00	62.45 1.51 0.00	58.86 1.64 -0.14	47.69 1.55 -0.14	45.80 2.02 -0.15	41.31 2.02 -0.19	40.49 2.10 -0.33	41.32 2.51 -0.25	48.22 3.04 -0.29	48.57 3.15 -0.05	43.54 2.86 -0.04	44.87 2.89 -0.01	49.30 3.20 -0.01	97.10 6.13 0.00	67.93 4.01 0.00	52.34 2.36 -0.02	61.06 2.15 -0.12	60.77 1.77 -0.22	42.87 1.13 -0.04
NYPA_VERNON____GT3 24163	30.21 1.12 0.00	29.63 1.01 0.00	26.13 0.83 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.25 0.89 0.00	62.45 1.51 0.00	58.86 1.64 -0.14	47.69 1.55 -0.14	45.80 2.02 -0.15	41.31 2.02 -0.19	40.49 2.10 -0.33	41.32 2.51 -0.25	48.22 3.04 -0.29	48.57 3.15 -0.05	43.54 2.86 -0.04	44.87 2.89 -0.01	49.30 3.20 -0.01	97.10 6.13 0.00	67.93 4.01 0.00	52.34 2.36 -0.02	61.06 2.15 -0.12	60.77 1.77 -0.22	42.87 1.13 -0.04
NYPA____ASTORIA_CC1 323568	30.17 1.07 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.65 1.57 0.00	47.46 1.47 0.00	45.57 1.95 0.00	41.05 1.95 -0.01	40.33 2.03 -0.25	41.04 2.44 -0.05	47.85 2.96 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.79 2.81 0.00	49.19 3.11 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.23 2.27 0.00	60.83 2.03 0.00	60.43 1.66 0.00	42.76 1.07 0.00
NYPA____ASTORIA_CC2 323569	30.17 1.07 0.00	29.59 0.97 0.00	26.10 0.80 0.00	24.77 0.69 0.00	25.49 0.71 0.00	31.20 0.85 0.00	62.37 1.43 0.00	58.65 1.57 0.00	47.46 1.47 0.00	45.57 1.95 0.00	41.05 1.95 -0.01	40.33 2.03 -0.25	41.04 2.44 -0.05	47.85 2.96 -0.01	48.44 3.07 0.00	43.44 2.79 0.00	44.79 2.81 0.00	49.19 3.11 0.00	96.91 5.94 0.00	67.80 3.88 0.00	52.23 2.27 0.00	60.83 2.03 0.00	60.43 1.66 0.00	42.76 1.07 0.00
NYPA____HOLTSVILL 23794	29.62 0.52 0.00	29.11 0.49 0.00	25.59 0.29 0.00	24.30 0.22 0.00	25.01 0.22 0.00	30.40 0.04 0.00	46.32 -0.52 14.10	28.05 -0.33 28.71	43.34 -0.11 2.55	44.21 0.59 0.00	39.93 0.84 0.00	39.16 0.86 -0.24	39.90 1.31 -0.04	40.44 1.38 5.82	47.05 1.68 0.00	42.87 1.49 -0.74	43.23 1.42 0.17	30.90 1.57 16.75	21.43 3.05 72.59	22.75 2.06 43.23	50.57 0.77 0.17	57.32 0.23 1.70	45.60 -0.28 12.90	40.50 -0.09 1.10
NYPA____HELLGATE_GT1 24158	30.16 1.06 0.00	29.58 0.96 0.00	26.08 0.77 0.00	24.78 0.70 0.00	25.50 0.72 0.00	31.21 0.86 0.00	62.35 1.41 0.00	58.57 1.49 0.00	47.38 1.38 0.00	45.47 1.85 0.00	40.94 1.84 -0.01	40.22 1.92 -0.25	40.88 2.28 -0.05	47.69 2.79 -0.01	48.30 2.93 0.00	43.31 2.66 0.00	44.71 2.74 0.00	49.18 3.10 0.00	96.91 5.94 0.00	67.86 3.94 0.00	52.31 2.34 0.00	60.92 2.13 0.00	60.54 1.77 0.00	42.86 1.17 0.00
NYPA____HELLGATE_GT2 24159	30.16 1.06 0.00	29.58 0.96 0.00	26.08 0.77 0.00	24.78 0.70 0.00	25.50 0.72 0.00	31.21 0.86 0.00	62.35 1.41 0.00	58.57 1.49 0.00	47.38 1.38 0.00	45.47 1.85 0.00	40.94 1.84 -0.01	40.22 1.92 -0.25	40.88 2.28 -0.05	47.69 2.79 -0.01	48.30 2.93 0.00	43.31 2.66 0.00	44.71 2.74 0.00	49.18 3.10 0.00	96.91 5.94 0.00	67.86 3.94 0.00	52.31 2.34 0.00	60.92 2.13 0.00	60.54 1.77 0.00	42.86 1.17 0.00
NYS_BARGE____HYD 23848	29.53 -0.09 -0.53	28.65 -0.29 -0.31	25.18 -0.20 -0.08	24.23 0.14 -0.01	25.02 0.09 -0.14	31.43 0.28 -0.80	64.14 -0.13 -3.33	61.41 -0.14 -4.47	50.04 0.58 -3.46	49.43 1.80 -4.01	42.88 1.75 -2.03	41.65 1.94 -1.65	41.29 1.49 -1.24	47.61 1.09 -1.63	48.70 1.60 -1.73	43.25 1.18 -1.43	44.60 0.91 -1.71	48.73 0.68 -1.97	97.60 1.81 -4.83	70.12 0.70 -5.49	52.10 -0.42 -2.56	62.38 0.29 -3.29	63.69 0.67 -4.24	44.73 1.05 -1.98
OAK ORCHARD____HYD 24046	29.87 0.26 -0.52	29.06 0.13 -0.31	25.50 0.12 -0.07	24.37 0.28 -0.01	25.18 0.26 -0.14	31.60 0.46 -0.79	65.13 0.92 -3.27	62.44 0.97 -4.39	50.56 1.15 -3.41	49.32 1.77 -3.94	42.76 1.67 -2.00	41.38 1.70 -1.63	41.21 1.44 -1.22	47.89 1.40 -1.60	48.78 1.71 -1.70	43.44 1.39 -1.40	45.01 1.36 -1.68	49.45 1.43 -1.94	99.00 3.29 -4.74	71.28 1.97 -5.39	53.31 0.84 -2.51	63.24 1.21 -3.23	64.18 1.24 -4.16	44.60 0.97 -1.94



OAKDALE___35_KV_LOAD 356122	29.64 -0.11 -0.65	28.94 -0.07 -0.39	25.30 -0.10 -0.09	24.09 0.00 -0.01	24.94 -0.01 -0.18	31.43 0.08 -0.99	65.19 0.14 -4.12	62.78 0.15 -5.54	50.49 0.20 -4.29	49.30 0.73 -4.95	42.17 0.56 -2.51	40.76 0.66 -2.05	40.59 0.49 -1.54	47.33 0.42 -2.03	48.13 0.61 -2.15	42.95 0.53 -1.77	44.75 0.66 -2.12	49.13 0.61 -2.45	98.56 1.61 -5.98	71.49 0.76 -6.81	53.24 0.10 -3.17	63.10 0.22 -4.08	64.50 0.47 -5.25	44.24 0.10 -2.45
OCC_CHEM___DRP 24175	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.01 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.25 -1.00 -3.31	60.22 -1.30 -4.44	49.19 -0.24 -3.44	48.72 1.13 -3.98	42.53 1.42 -2.02	41.30 1.61 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.67 -1.42	44.15 0.47 -1.71	48.18 0.14 -1.96	95.58 -0.20 -4.80	68.60 -0.79 -5.46	51.19 -1.32 -2.55	61.27 -0.80 -3.28	62.59 -0.40 -4.21	44.47 0.81 -1.97
OH_GEN_PROXY 24063	29.29 -0.33 -0.52	28.44 -0.50 -0.31	25.00 -0.37 -0.07	24.08 -0.01 -0.01	24.85 -0.07 -0.14	31.20 0.06 -0.79	63.78 -0.43 -3.27	61.02 -0.45 -4.39	49.71 0.31 -3.40	49.09 1.54 -3.93	42.64 1.55 -1.99	41.40 1.72 -1.62	40.93 1.16 -1.22	47.28 0.79 -1.61	48.34 1.27 -1.70	42.91 0.86 -1.40	44.31 0.64 -1.69	48.39 0.37 -1.94	96.76 1.04 -4.75	69.42 0.09 -5.40	51.64 -0.84 -2.52	61.86 -0.17 -3.24	63.20 0.25 -4.17	44.34 0.70 -1.94
OLIN_CORP_DRP 24177	29.18 -0.45 -0.53	28.31 -0.63 -0.32	24.88 -0.49 -0.08	23.96 -0.12 -0.01	24.73 -0.19 -0.14	31.07 -0.09 -0.81	63.34 -0.93 -3.33	60.61 -0.95 -4.47	49.40 -0.06 -3.47	48.85 1.22 -4.01	42.40 1.28 -2.03	41.18 1.47 -1.66	40.79 0.99 -1.24	47.05 0.53 -1.63	48.14 1.03 -1.73	42.75 0.67 -1.43	44.10 0.41 -1.72	48.12 0.07 -1.98	96.29 0.49 -4.84	69.12 -0.31 -5.50	51.37 -1.16 -2.57	61.56 -0.54 -3.30	62.88 -0.15 -4.25	44.19 0.51 -1.98
OLIN_CORP_DSASP 323712	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.00 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.26 -0.99 -3.31	60.24 -1.28 -4.44	49.22 -0.22 -3.44	48.73 1.13 -3.98	42.51 1.40 -2.02	41.29 1.60 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.66 -1.42	44.15 0.47 -1.71	48.19 0.15 -1.96	95.54 -0.23 -4.80	68.60 -0.79 -5.46	51.17 -1.34 -2.55	61.27 -0.80 -3.28	62.58 -0.41 -4.21	44.47 0.81 -1.97
ONEIDA_HERK_LFGE 323681	29.92 0.55 -0.28	29.41 0.62 -0.17	25.90 0.56 -0.04	24.54 0.46 -0.01	25.42 0.56 -0.08	31.67 0.90 -0.42	64.93 2.37 -1.62	61.76 2.42 -2.26	49.63 1.99 -1.64	50.00 1.96 -4.42	42.60 1.64 -1.88	40.26 1.43 -0.77	40.48 1.31 -0.62	47.18 1.48 -0.81	47.63 1.40 -0.86	42.62 1.27 -0.71	44.33 1.50 -0.85	48.77 1.71 -0.98	97.27 3.90 -2.40	69.56 2.90 -2.73	53.31 2.07 -1.27	62.81 2.38 -1.64	63.10 2.21 -2.11	44.12 1.44 -0.98
ONEIDA___115KV_TB4 55905	30.12 0.56 -0.47	29.47 0.57 -0.28	25.85 0.49 -0.07	24.57 0.48 -0.01	25.43 0.52 -0.13	31.85 0.79 -0.71	65.65 2.12 -2.60	62.99 2.25 -3.66	50.39 1.82 -2.58	49.62 1.86 -4.14	42.70 1.68 -1.93	40.87 1.60 -1.22	41.01 1.44 -1.01	47.91 1.69 -1.33	48.39 1.61 -1.41	43.26 1.45 -1.17	45.05 1.68 -1.40	49.58 1.90 -1.61	99.16 4.25 -3.94	71.45 3.05 -4.48	54.12 2.07 -2.09	63.72 2.24 -2.68	64.31 2.08 -3.45	44.62 1.32 -1.61
ONONDAGA_REF_OCCRA 23987	29.95 -0.13 -0.98	29.05 -0.15 -0.59	25.28 -0.16 -0.14	23.99 -0.11 -0.02	24.93 -0.11 -0.27	31.80 -0.05 -1.49	67.16 0.01 -6.22	65.67 0.33 -8.25	53.01 0.39 -6.62	52.44 0.68 -8.14	43.64 0.48 -4.06	41.71 0.48 -3.17	41.25 0.40 -2.29	48.28 0.38 -3.01	49.03 0.47 -3.19	43.71 0.44 -2.63	45.70 0.56 -3.16	50.32 0.61 -3.64	101.35 1.48 -8.90	75.00 0.95 -10.13	55.08 0.40 -4.72	65.27 0.40 -6.07	66.95 0.36 -7.81	45.51 0.17 -3.64
ONONDAGA___COGEN 23986	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.22 0.36 -10.24	44.48 0.26 -5.13	42.34 0.23 -4.06	41.65 0.05 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.32 0.54 -11.81	77.63 0.27 -13.43	56.12 -0.11 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
ONTARIO___LFGE 23819	30.66 0.57 -0.99	29.74 0.52 -0.59	25.86 0.42 -0.14	24.66 0.57 -0.02	25.69 0.63 -0.27	32.84 0.98 -1.51	68.93 1.75 -6.24	67.24 1.76 -8.40	54.13 1.63 -6.50	53.32 2.18 -7.52	44.76 1.86 -3.81	43.05 1.89 -3.11	42.54 1.65 -2.34	49.45 1.49 -3.07	50.44 1.82 -3.25	45.14 1.82 -2.68	47.29 2.09 -3.22	52.07 2.29 -3.70	104.50 4.48 -9.06	77.06 2.83 -10.30	56.61 1.84 -4.80	67.19 2.22 -6.18	69.04 2.31 -7.95	46.79 1.39 -3.71
ORANGEVILLE_WT_PWR 323706	29.48 -0.20 -0.58	28.70 -0.27 -0.35	25.15 -0.23 -0.08	24.23 0.14 -0.01	25.12 0.19 -0.16	31.68 0.44 -0.89	65.06 0.44 -3.68	62.42 0.34 -5.00	50.62 0.75 -3.87	49.81 1.72 -4.48	42.89 1.53 -2.27	41.67 1.77 -1.85	41.26 1.31 -1.39	47.62 0.91 -1.82	48.67 1.39 -1.91	43.43 1.21 -1.58	45.00 1.13 -1.90	49.03 0.77 -2.18	98.86 2.56 -5.34	71.26 1.27 -6.07	52.91 0.12 -2.83	63.22 0.78 -3.64	64.67 1.21 -4.68	44.92 1.04 -2.19
ORANGEVILLE___ESR 323794	29.48 -0.20 -0.58	28.70 -0.27 -0.35	25.15 -0.23 -0.08	24.23 0.14 -0.01	25.12 0.19 -0.16	31.68 0.44 -0.89	65.06 0.44 -3.68	62.42 0.34 -5.00	50.62 0.75 -3.87	49.81 1.72 -4.48	42.89 1.53 -2.27	41.67 1.77 -1.85	41.26 1.31 -1.39	47.62 0.91 -1.82	48.67 1.39 -1.91	43.43 1.21 -1.58	45.00 1.13 -1.90	49.03 0.77 -2.18	98.86 2.56 -5.34	71.26 1.27 -6.07	52.91 0.12 -2.83	63.22 0.78 -3.64	64.67 1.21 -4.68	44.92 1.04 -2.19
OSWEGATCHIE___HYD 24044	30.24 0.80 -0.34	29.68 0.85 -0.20	26.16 0.80 -0.05	24.72 0.63 -0.01	25.67 0.79 -0.09	32.08 1.20 -0.52	66.26 3.17 -2.15	63.32 3.24 -3.00	50.99 2.72 -2.27	60.94 2.40 -14.92	46.63 1.74 -5.80	40.36 1.28 -1.03	40.31 0.97 -0.79	46.88 0.96 -1.04	47.30 0.84 -1.10	42.29 0.74 -0.91	43.85 0.79 -1.09	48.04 0.71 -1.25	96.20 2.16 -3.07	69.27 1.86 -3.49	53.44 1.86 -1.62	63.64 2.76 -2.09	64.34 2.87 -2.69	44.91 1.96 -1.26
OSWEGO___5 23606	32.24 -0.64 -3.79	30.24 -0.64 -2.25	25.26 -0.57 -0.53	23.64 -0.51 -0.07	25.28 -0.53 -1.03	35.51 -0.59 -5.75	83.42 -1.15 -23.62	87.88 -1.04 -31.83	69.77 -0.76 -24.54	71.47 -0.50 -28.35	53.02 -0.46 -14.38	49.35 -0.43 -11.72	46.90 -0.51 -8.86	55.86 -0.66 -11.64	57.08 -0.62 -12.32	50.26 -0.54 -10.16	53.67 -0.51 -12.20	59.57 -0.56 -14.05	124.39 -0.96 -34.38	102.28 -0.76 -39.11	67.36 -0.84 -18.23	81.22 -1.02 -23.44	87.95 -1.00 -30.17	55.02 -0.76 -14.08
OSWEGO___6 23613	32.24 -0.64 -3.79	30.24 -0.64 -2.25	25.26 -0.57 -0.53	23.64 -0.51 -0.07	25.28 -0.53 -1.03	35.51 -0.59 -5.75	83.42 -1.15 -23.62	87.88 -1.04 -31.83	69.77 -0.76 -24.54	71.47 -0.50 -28.35	53.02 -0.46 -14.38	49.35 -0.43 -11.72	46.90 -0.51 -8.86	55.86 -0.66 -11.64	57.08 -0.62 -12.32	50.26 -0.54 -10.16	53.67 -0.51 -12.20	59.57 -0.56 -14.05	124.39 -0.96 -34.38	102.28 -0.76 -39.11	67.36 -0.84 -18.23	81.22 -1.02 -23.44	87.95 -1.00 -30.17	55.02 -0.76 -14.08



OUTOKUMPU-AB___DRP 24206	29.79 0.16 -0.53	28.90 -0.04 -0.32	25.38 0.00 -0.08	24.44 0.35 -0.01	25.23 0.30 -0.14	31.70 0.54 -0.81	64.61 0.32 -3.35	61.72 0.15 -4.49	50.32 0.84 -3.48	49.77 2.13 -4.02	43.29 2.16 -2.04	42.08 2.37 -1.66	41.59 1.79 -1.25	47.94 1.41 -1.64	49.04 1.93 -1.74	43.56 1.48 -1.44	44.97 1.27 -1.72	49.10 1.03 -1.99	98.04 2.22 -4.85	70.35 0.90 -5.53	52.37 -0.17 -2.58	62.63 0.52 -3.31	64.04 1.00 -4.26	45.16 1.47 -1.99
OXBOW___BTM 323836	29.54 -0.08 -0.53	28.66 -0.28 -0.31	25.18 -0.19 -0.08	24.26 0.17 -0.01	25.04 0.12 -0.14	31.45 0.30 -0.80	63.91 -0.35 -3.33	60.96 -0.58 -4.46	49.78 0.32 -3.46	49.25 1.63 -4.00	42.89 1.77 -2.03	41.70 1.99 -1.65	41.22 1.43 -1.24	47.56 1.04 -1.63	48.65 1.55 -1.73	43.17 1.11 -1.43	44.59 0.90 -1.71	48.69 0.63 -1.98	96.82 1.02 -4.83	69.52 0.10 -5.49	51.80 -0.72 -2.56	61.99 -0.10 -3.29	63.33 0.31 -4.24	44.81 1.14 -1.98
OXBOW___ 24026	29.54 -0.08 -0.53	28.66 -0.28 -0.31	25.19 -0.19 -0.08	24.26 0.17 -0.01	25.04 0.12 -0.14	31.45 0.30 -0.80	63.91 -0.35 -3.33	60.97 -0.58 -4.46	49.76 0.30 -3.46	49.25 1.63 -4.00	42.92 1.80 -2.03	41.70 2.00 -1.65	41.22 1.42 -1.24	47.56 1.04 -1.63	48.64 1.54 -1.73	43.17 1.10 -1.43	44.59 0.90 -1.71	48.68 0.63 -1.98	96.86 1.06 -4.83	69.51 0.10 -5.49	51.81 -0.71 -2.56	61.99 -0.10 -3.29	63.33 0.31 -4.24	44.81 1.14 -1.98
OXY_CHEM_DSASP 323612	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.01 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.25 -1.00 -3.31	60.22 -1.30 -4.44	49.19 -0.24 -3.44	48.72 1.13 -3.98	42.53 1.42 -2.02	41.30 1.61 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.67 -1.42	44.15 0.47 -1.71	48.18 0.14 -1.96	95.58 -0.20 -4.80	68.60 -0.79 -5.46	51.19 -1.32 -2.55	61.27 -0.80 -3.28	62.59 -0.40 -4.21	44.47 0.81 -1.97
OZONE_PARK_ESR 323760	30.39 1.29 0.00	29.80 1.18 0.00	26.28 0.97 0.00	24.95 0.87 0.00	25.68 0.90 0.00	31.45 1.10 0.00	62.94 2.00 0.00	59.09 2.01 0.00	47.79 1.79 0.00	45.87 2.25 0.00	41.31 2.21 0.00	40.59 2.30 -0.24	41.33 2.73 -0.04	48.21 3.33 0.00	48.86 3.49 0.00	43.82 3.18 0.00	45.24 3.27 0.00	49.72 3.65 0.00	98.25 7.28 0.00	68.76 4.83 0.00	52.89 2.92 0.00	61.58 2.79 0.00	61.19 2.41 0.00	43.26 1.57 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.01 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.25 -1.00 -3.31	60.22 -1.30 -4.44	49.19 -0.24 -3.44	48.72 1.13 -3.98	42.53 1.42 -2.02	41.30 1.61 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.67 -1.42	44.15 0.47 -1.71	48.18 0.14 -1.96	95.58 -0.20 -4.80	68.60 -0.79 -5.46	51.19 -1.32 -2.55	61.27 -0.80 -3.28	62.59 -0.40 -4.21	44.47 0.81 -1.97
PACKARD___115KV_DUPONT_184 80571	29.30 -0.32 -0.53	28.44 -0.49 -0.31	25.01 -0.37 -0.08	24.10 0.01 -0.01	24.87 -0.05 -0.14	31.23 0.08 -0.80	63.25 -1.00 -3.31	60.22 -1.30 -4.44	49.19 -0.24 -3.44	48.72 1.13 -3.98	42.53 1.42 -2.02	41.30 1.61 -1.64	40.82 1.04 -1.23	47.15 0.64 -1.62	48.22 1.13 -1.72	42.73 0.67 -1.42	44.15 0.47 -1.71	48.18 0.14 -1.96	95.58 -0.20 -4.80	68.60 -0.79 -5.46	51.19 -1.32 -2.55	61.27 -0.80 -3.28	62.59 -0.40 -4.21	44.47 0.81 -1.97
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	30.19 1.10 0.00	29.62 1.00 0.00	26.12 0.82 0.00	24.82 0.74 0.00	25.53 0.75 0.00	31.26 0.90 0.00	62.39 1.45 0.00	58.67 1.58 0.00	47.41 1.41 0.00	45.48 1.86 0.00	40.93 1.83 -0.01	40.20 1.90 -0.25	40.89 2.29 -0.05	47.69 2.80 -0.01	48.34 2.97 0.00	43.34 2.69 0.00	44.72 2.75 0.00	49.19 3.11 0.00	96.93 5.96 0.00	67.86 3.94 0.00	52.28 2.31 0.00	60.89 2.09 0.00	60.50 1.72 0.00	42.84 1.15 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	30.84 1.75 0.00	30.27 1.65 0.00	26.70 1.40 0.00	25.40 1.32 0.00	26.14 1.36 0.00	32.03 1.68 0.00	64.09 3.16 0.00	60.23 3.15 0.00	48.60 2.60 0.00	46.62 3.00 0.00	41.97 2.87 -0.01	41.20 2.90 -0.25	41.90 3.30 -0.05	48.88 3.99 -0.01	49.55 4.18 0.00	44.46 3.81 0.00	45.87 3.89 0.00	50.42 4.34 0.00	99.38 8.41 0.00	69.58 5.66 0.00	53.56 3.60 0.00	62.44 3.64 0.00	62.07 3.29 0.00	43.94 2.25 0.00
PATROON___115KV_TB1 80586	29.08 -0.01 0.00	28.63 0.01 0.00	25.30 0.01 0.00	24.06 -0.02 0.00	24.77 -0.02 0.00	30.27 -0.09 0.00	60.64 -0.29 0.00	56.68 -0.40 0.00	45.65 -0.35 0.00	43.45 -0.17 0.00	38.98 -0.11 0.00	37.76 -0.10 0.20	38.62 0.10 0.03	45.10 0.21 0.00	45.50 0.13 0.00	40.82 0.18 0.00	42.16 0.19 0.00	46.31 0.23 0.00	91.15 0.18 0.00	64.11 0.18 0.00	49.84 -0.13 0.00	58.19 -0.60 0.00	57.97 -0.81 0.00	41.25 -0.45 0.00
PATTRSNVILLE___SOLAR 323815	29.73 0.63 0.00	29.25 0.63 0.00	25.86 0.55 0.00	24.60 0.52 0.00	25.30 0.52 0.00	30.99 0.63 0.00	62.29 1.36 0.00	58.30 1.22 0.00	46.92 0.92 0.00	44.77 1.14 0.00	40.05 0.96 0.00	38.58 0.70 0.17	39.29 0.77 0.03	46.05 1.16 0.00	46.50 1.13 0.00	41.73 1.08 0.00	43.11 1.14 0.00	47.47 1.39 0.00	93.83 2.86 0.00	66.01 2.09 0.00	51.34 1.37 0.00	60.15 1.35 0.00	59.99 1.21 0.00	42.54 0.84 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	29.64 0.01 -0.55	28.79 -0.15 -0.32	25.28 -0.10 -0.08	24.32 0.23 -0.01	25.12 0.20 -0.15	31.61 0.43 -0.83	64.84 0.47 -3.43	62.19 0.52 -4.59	50.60 1.04 -3.56	49.94 2.20 -4.12	43.31 2.13 -2.09	42.10 2.35 -1.70	41.61 1.78 -1.28	48.00 1.43 -1.68	49.09 1.94 -1.78	43.64 1.52 -1.47	45.17 1.44 -1.77	49.34 1.23 -2.03	99.08 3.14 -4.97	71.01 1.43 -5.65	52.75 0.16 -2.64	63.11 0.92 -3.39	64.49 1.35 -4.36	44.89 1.16 -2.04
PAWLING_115_KV_BK3_REV_LBMP_H 345028	30.02 0.92 0.00	29.51 0.88 0.00	26.02 0.72 0.00	24.73 0.65 0.00	25.43 0.65 0.00	31.14 0.78 0.00	62.41 1.47 0.00	58.55 1.46 0.00	47.26 1.26 0.00	45.30 1.68 0.00	40.76 1.67 0.00	39.99 1.70 -0.24	40.60 2.01 -0.04	47.43 2.55 0.00	48.00 2.63 0.00	43.05 2.41 0.00	44.48 2.51 0.00	48.96 2.89 0.00	96.79 5.82 0.00	67.81 3.88 0.00	52.23 2.27 0.00	60.82 2.03 0.00	60.47 1.69 0.00	42.73 1.03 0.00
PEEKSKILL___ 23653	29.84 0.75 0.00	29.31 0.69 0.00	25.85 0.54 0.00	24.56 0.47 0.00	25.26 0.48 0.00	30.92 0.56 0.00	61.93 0.99 0.00	58.09 1.00 0.00	46.84 0.85 0.00	44.91 1.29 0.00	40.41 1.32 0.00	39.71 1.42 -0.24	40.36 1.77 -0.04	47.09 2.21 0.00	47.70 2.33 0.00	42.74 2.10 0.00	44.14 2.17 0.00	48.57 2.49 0.00	96.06 5.09 0.00	67.21 3.29 0.00	51.72 1.75 0.00	60.25 1.45 0.00	59.94 1.16 0.00	42.41 0.72 0.00
PGE MADISON___WINDPWR 24146	31.00 1.24 -0.66	30.32 1.31 -0.39	26.51 1.12 -0.09	25.28 1.18 -0.01	26.23 1.28 -0.18	33.15 1.80 -1.01	69.34 4.22 -4.18	66.83 4.13 -5.62	53.74 3.40 -4.34	52.27 3.63 -5.02	44.81 3.17 -2.55	43.23 3.10 -2.08	42.98 2.87 -1.56	50.10 3.16 -2.05	51.01 3.47 -2.17	45.75 3.32 -1.79	47.78 3.66 -2.15	52.70 4.15 -2.48	105.87 8.84 -6.06	76.76 5.95 -6.89	57.13 3.96 -3.21	67.41 4.49 -4.13	68.44 4.34 -5.32	46.85 2.67 -2.48



PIERCEFIELD___HYD 23852	30.26 0.98 -0.18	29.67 0.94 -0.11	26.17 0.85 -0.02	24.84 0.76 0.00	25.68 0.85 -0.05	31.76 1.13 -0.28	64.92 2.77 -1.21	61.66 2.82 -1.75	49.71 2.38 -1.33	65.10 1.88 -19.60	47.68 1.24 -7.35	39.47 0.86 -0.55	39.50 0.53 -0.42	45.80 0.36 -0.56	46.22 0.26 -0.59	41.22 0.10 -0.49	42.47 -0.09 -0.58	46.30 -0.45 -0.67	92.08 -0.53 -1.64	65.82 0.03 -1.87	51.78 0.94 -0.87	61.82 1.91 -1.12	62.55 2.34 -1.44	44.09 1.72 -0.67
PINELAWN_CC_1 323563	29.88 0.78 0.00	29.36 0.74 0.00	25.83 0.52 0.00	24.51 0.43 0.00	25.22 0.44 0.00	30.68 0.32 0.00	48.21 0.09 12.81	31.18 0.26 26.16	44.06 0.39 2.32	44.68 1.06 0.00	40.28 1.19 0.00	39.31 1.02 -0.24	39.93 1.34 -0.04	42.64 1.43 3.68	46.92 1.55 0.00	42.89 1.44 -0.81	43.37 1.44 0.04	32.49 1.62 15.20	28.19 3.14 65.91	26.76 2.06 39.23	50.66 0.84 0.16	57.86 0.60 1.54	47.67 0.59 11.70	41.13 0.42 0.98
PJM_GEN_HTTP_PROXY 323702	30.08 0.98 0.00	29.51 0.89 0.00	26.03 0.73 0.00	24.72 0.64 0.00	25.43 0.65 0.00	31.13 0.77 0.00	62.27 1.34 0.00	59.16 1.34 -0.73	47.22 1.22 0.00	45.34 1.72 0.00	40.83 1.74 0.00	40.12 1.83 -0.24	40.83 2.24 -0.04	47.62 2.74 0.00	48.73 2.88 -0.49	48.41 2.60 -5.17	44.64 2.66 0.00	49.06 2.98 0.00	97.11 5.93 -0.21	67.80 3.88 0.00	52.15 2.19 0.00	60.71 1.91 0.00	60.42 1.57 -0.07	42.69 1.00 0.00
PJM_GEN_KEystone 24065	29.47 0.06 -0.32	28.78 -0.03 -0.19	25.31 -0.04 -0.04	24.17 0.09 -0.01	24.94 0.08 -0.09	31.04 0.20 -0.49	63.14 0.17 -2.03	59.99 0.20 -2.71	47.57 0.31 -1.27	46.12 1.09 -1.41	40.11 1.03 0.01	39.90 1.20 -0.64	39.69 1.07 -0.07	45.87 0.99 0.01	47.86 1.24 -1.25	44.71 0.95 -3.12	43.80 0.98 -0.85	53.63 1.00 -6.55	96.81 2.67 -3.17	67.76 1.32 -2.52	45.60 0.13 4.49	60.55 0.24 -1.52	65.31 0.43 -6.10	37.26 0.27 4.70
PJM_GEN_NEPTUNE_PROXY 323594	29.71 0.61 0.00	29.18 0.56 0.00	25.68 0.38 0.00	24.38 0.30 0.00	25.10 0.32 0.00	30.54 0.18 0.00	45.59 -0.14 15.21	26.90 -0.03 30.15	43.40 0.14 2.73	44.40 0.78 0.00	40.09 1.00 0.00	39.38 1.09 -0.24	40.09 1.49 -0.04	39.40 1.79 7.28	47.86 2.01 -0.49	48.28 1.78 -5.85	43.45 1.75 0.27	29.92 1.93 18.09	16.52 3.70 78.15	19.65 2.42 46.70	50.97 1.19 0.18	57.68 0.71 1.84	45.17 0.24 13.85	40.66 0.15 1.19
PJM_GEN_VFT_PROXY 323633	30.03 0.94 0.00	29.45 0.82 0.00	25.97 0.67 0.00	24.67 0.59 0.00	25.38 0.60 0.00	31.05 0.70 0.00	62.02 1.16 0.08	48.23 1.13 9.99	34.94 0.98 12.03	30.41 1.46 14.67	22.71 1.50 17.88	33.03 1.60 6.63	30.48 2.04 10.11	33.06 2.50 14.33	44.30 2.65 3.73	43.86 2.36 -0.86	41.60 2.43 2.81	47.41 2.74 1.41	96.83 5.72 -0.14	67.59 3.67 0.01	50.79 1.91 1.08	53.41 1.56 6.94	45.03 1.23 14.98	37.03 0.77 5.43
PLATSBURG_115KV_PMLD1 355749	30.94 1.84 0.00	30.37 1.75 0.00	26.79 1.48 0.00	25.40 1.32 0.00	26.08 1.31 0.00	31.66 1.31 0.00	63.38 2.44 0.00	58.98 1.90 0.00	47.50 1.50 0.00	46.73 1.72 -1.39	41.12 1.52 -0.51	39.02 0.97 0.00	39.03 0.48 0.00	44.64 -0.25 0.00	44.21 -1.16 0.00	39.52 -1.12 0.00	40.91 -1.06 0.00	45.02 -1.06 0.00	88.93 -2.04 0.00	62.73 -1.19 0.00	49.33 -0.63 0.00	58.74 -0.05 0.00	60.14 1.36 0.00	43.40 1.71 0.00
PLEASANTVLY___LBMP 24000	29.62 0.53 0.00	29.13 0.50 0.00	25.71 0.41 0.00	24.43 0.36 0.00	25.13 0.35 0.00	30.73 0.38 0.00	61.53 0.59 0.00	57.65 0.57 0.00	46.48 0.48 0.00	44.50 0.88 0.00	40.01 0.92 0.00	39.29 0.97 -0.27	39.88 1.28 -0.05	46.56 1.67 0.00	47.09 1.72 0.00	42.21 1.56 0.00	43.58 1.60 0.00	47.95 1.87 0.00	94.71 3.74 0.00	66.35 2.43 0.00	51.20 1.23 0.00	59.67 0.88 0.00	59.39 0.60 0.00	42.05 0.36 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	29.96 0.87 0.00	29.45 0.83 0.00	25.97 0.67 0.00	24.67 0.59 0.00	25.37 0.59 0.00	31.06 0.70 0.00	62.18 1.25 0.00	58.34 1.26 0.00	47.10 1.10 0.00	45.17 1.55 0.00	40.64 1.55 0.00	39.92 1.63 -0.24	40.58 1.99 -0.04	47.34 2.46 0.00	47.96 2.60 0.00	43.00 2.36 0.00	44.40 2.43 0.00	48.83 2.75 0.00	96.52 5.55 0.00	67.53 3.60 0.00	52.01 2.04 0.00	60.57 1.77 0.00	60.24 1.46 0.00	42.61 0.91 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	29.96 0.87 0.00	29.45 0.83 0.00	25.97 0.67 0.00	24.67 0.59 0.00	25.37 0.59 0.00	31.06 0.70 0.00	62.18 1.25 0.00	58.34 1.26 0.00	47.10 1.10 0.00	45.17 1.55 0.00	40.64 1.55 0.00	39.92 1.63 -0.24	40.58 1.99 -0.04	47.34 2.46 0.00	47.96 2.60 0.00	43.00 2.36 0.00	44.40 2.43 0.00	48.83 2.75 0.00	96.52 5.55 0.00	67.53 3.60 0.00	52.01 2.04 0.00	60.57 1.77 0.00	60.24 1.46 0.00	42.61 0.91 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	29.88 0.79 0.00	29.37 0.75 0.00	25.92 0.61 0.00	24.64 0.56 0.00	25.33 0.55 0.00	31.00 0.65 0.00	62.13 1.19 0.00	58.26 1.18 0.00	46.97 0.98 0.00	44.98 1.36 0.00	40.44 1.35 0.00	39.64 1.36 -0.23	40.25 1.65 -0.04	47.04 2.16 0.00	47.61 2.24 0.00	42.67 2.03 0.00	44.11 2.13 0.00	48.56 2.48 0.00	95.98 5.01 0.00	67.26 3.34 0.00	51.81 1.85 0.00	60.39 1.59 0.00	60.11 1.33 0.00	42.53 0.84 0.00
POLETTI____ 23519	21.01 0.74 8.82	21.01 0.63 8.24	21.01 0.49 4.78	21.01 0.43 3.50	21.01 0.44 4.21	21.13 0.50 9.73	49.47 0.77 12.24	35.55 0.92 22.45	25.17 0.92 21.75	21.70 1.38 23.30	25.77 1.39 14.71	25.85 1.47 13.68	25.78 1.84 14.61	31.27 2.27 15.89	35.49 2.45 12.32	31.20 2.24 11.69	32.96 2.32 11.33	37.99 2.66 10.75	86.06 5.05 9.96	56.87 3.31 10.37	41.29 1.85 10.53	45.93 1.52 14.38	38.66 1.16 21.28	31.66 0.75 10.78
POMONA___ESR 323819	29.89 0.80 0.00	29.34 0.71 0.00	25.87 0.57 0.00	24.58 0.51 0.00	25.30 0.52 0.00	30.97 0.62 0.00	62.23 1.30 0.00	58.37 1.29 0.00	47.04 1.04 0.00	44.98 1.36 0.00	40.48 1.39 0.00	39.76 1.48 -0.22	40.44 1.85 -0.04	47.17 2.29 0.00	47.81 2.44 0.00	42.83 2.19 0.00	44.27 2.29 0.00	48.70 2.63 0.00	96.39 5.42 0.00	67.42 3.49 0.00	51.82 1.86 0.00	60.36 1.56 0.00	60.05 1.27 0.00	42.48 0.78 0.00
PORT_JEFF_3 23555	29.68 0.58 0.00	29.17 0.55 0.00	25.64 0.34 0.00	24.34 0.27 0.00	25.05 0.27 0.00	30.46 0.10 0.00	46.47 -0.39 14.08	28.21 -0.21 28.67	43.41 -0.04 2.54	44.26 0.64 0.00	39.96 0.87 0.00	39.19 0.90 -0.24	39.94 1.35 -0.04	40.47 1.38 5.80	47.09 1.72 0.00	42.82 1.44 -0.74	43.10 1.30 0.17	30.72 1.37 16.72	21.08 2.59 72.49	22.52 1.76 43.17	50.38 0.59 0.17	57.17 0.07 1.70	45.54 -0.37 12.88	40.52 -0.07 1.10
PORT_JEFF_4 23616	29.68 0.58 0.00	29.17 0.55 0.00	25.64 0.34 0.00	24.34 0.27 0.00	25.05 0.27 0.00	30.46 0.10 0.00	46.47 -0.39 14.08	28.21 -0.21 28.67	43.41 -0.04 2.54	44.26 0.64 0.00	39.96 0.87 0.00	39.19 0.90 -0.24	39.94 1.35 -0.04	40.47 1.38 5.80	47.09 1.72 0.00	42.82 1.44 -0.74	43.10 1.30 0.17	30.72 1.37 16.72	21.08 2.59 72.49	22.52 1.76 43.17	50.38 0.59 0.17	57.17 0.07 1.70	45.54 -0.37 12.88	40.52 -0.07 1.10



PORT_JEFF_IC 23713	29.71 0.62 0.00	29.20 0.58 0.00	25.67 0.37 0.00	24.37 0.29 0.00	25.08 0.30 0.00	30.49 0.13 0.00	46.61 -0.31 14.02	28.42 -0.10 28.56	43.49 0.02 2.53	44.34 0.73 0.00	40.00 0.91 0.00	39.27 0.98 -0.24	40.03 1.44 -0.04	40.69 1.52 5.72	47.22 1.85 0.00	42.81 1.43 -0.74	43.11 1.30 0.16	30.81 1.39 16.66	21.45 2.67 72.19	22.71 1.78 42.99	50.47 0.68 0.17	57.39 0.29 1.69	45.78 -0.17 12.83	40.62 0.02 1.10
PPL PILGRIM_ST_GT1 24216	29.97 0.87 0.00	29.43 0.81 0.00	25.89 0.59 0.00	24.57 0.49 0.00	25.29 0.51 0.00	30.74 0.39 0.00	47.30 0.16 13.80	29.28 0.33 28.13	43.95 0.45 2.50	44.77 1.15 0.00	40.41 1.32 0.00	39.71 1.42 -0.24	40.46 1.87 -0.04	41.55 2.06 5.40	47.72 2.36 0.00	43.53 2.13 -0.75	43.93 2.10 0.14	32.04 2.35 16.39	24.51 4.60 71.06	24.70 3.08 42.31	51.39 1.59 0.17	58.28 1.15 1.66	46.80 0.64 12.62	41.10 0.48 1.08
PPL PILGRIM_ST_GT2 24217	29.97 0.87 0.00	29.43 0.81 0.00	25.89 0.59 0.00	24.57 0.49 0.00	25.29 0.51 0.00	30.74 0.39 0.00	47.30 0.16 13.80	29.28 0.33 28.13	43.95 0.45 2.50	44.77 1.15 0.00	40.41 1.32 0.00	39.71 1.42 -0.24	40.46 1.87 -0.04	41.55 2.06 5.40	47.72 2.36 0.00	43.53 2.13 -0.75	43.93 2.10 0.14	32.04 2.35 16.39	24.51 4.60 71.06	24.70 3.08 42.31	51.39 1.59 0.17	58.28 1.15 1.66	46.80 0.64 12.62	41.10 0.48 1.08
PPL_SHRM_GT3 24213	29.36 0.27 0.00	28.85 0.23 0.00	25.36 0.06 0.00	24.07 -0.02 0.00	24.76 -0.02 0.00	30.10 -0.25 0.00	45.83 -1.06 14.05	27.63 -0.84 28.61	42.94 -0.52 2.54	43.79 0.17 0.00	39.51 0.42 0.00	38.50 0.40 -0.04	36.47 0.80 2.88	34.37 0.78 11.29	45.25 1.12 1.24	42.44 1.05 -0.74	42.85 1.04 0.17	30.59 1.21 16.69	20.96 2.33 72.34	22.46 1.61 43.08	50.15 0.36 0.17	56.80 -0.30 1.69	45.08 -0.85 12.85	40.09 -0.51 1.10
PPL_SHRM_GT4 24214	29.36 0.27 0.00	28.85 0.23 0.00	25.36 0.06 0.00	24.07 -0.02 0.00	24.76 -0.02 0.00	30.10 -0.25 0.00	45.83 -1.06 14.05	27.63 -0.84 28.61	42.94 -0.52 2.54	43.79 0.17 0.00	39.51 0.42 0.00	38.50 0.40 -0.04	36.47 0.80 2.88	34.37 0.78 11.29	45.25 1.12 1.24	42.44 1.05 -0.74	42.85 1.04 0.17	30.59 1.21 16.69	20.96 2.33 72.34	22.46 1.61 43.08	50.15 0.36 0.17	56.80 -0.30 1.69	45.08 -0.85 12.85	40.09 -0.51 1.10
PROJECT___ORANGE 1 24174	29.69 -0.29 -0.89	28.84 -0.31 -0.53	25.14 -0.29 -0.12	23.87 -0.23 -0.02	24.78 -0.24 -0.24	31.49 -0.21 -1.35	66.20 -0.33 -5.59	64.42 -0.19 -7.52	51.79 -0.04 -5.84	51.16 0.27 -7.27	42.94 0.23 -3.61	41.09 0.25 -2.79	40.80 0.16 -2.09	47.73 0.10 -2.75	48.47 0.19 -2.91	43.22 0.17 -2.40	45.12 0.26 -2.88	49.65 0.25 -3.32	99.83 0.74 -8.12	73.56 0.40 -9.23	54.21 -0.05 -4.30	64.21 -0.12 -5.54	65.75 -0.15 -7.12	44.83 -0.19 -3.32
PROJECT___ORANGE 2 24166	29.69 -0.29 -0.89	28.84 -0.31 -0.53	25.14 -0.29 -0.12	23.87 -0.23 -0.02	24.78 -0.24 -0.24	31.49 -0.21 -1.35	66.20 -0.33 -5.59	64.42 -0.19 -7.52	51.79 -0.04 -5.84	51.16 0.27 -7.27	42.94 0.23 -3.61	41.09 0.25 -2.79	40.80 0.16 -2.09	47.73 0.10 -2.75	48.47 0.19 -2.91	43.22 0.17 -2.40	45.12 0.26 -2.88	49.65 0.25 -3.32	99.83 0.74 -8.12	73.56 0.40 -9.23	54.21 -0.05 -4.30	64.21 -0.12 -5.54	65.75 -0.15 -7.12	44.83 -0.19 -3.32
PUCKETT___SOLAR 323809	29.93 0.21 -0.63	29.28 0.28 -0.38	25.59 0.21 -0.09	24.39 0.30 -0.01	25.26 0.31 -0.17	31.80 0.49 -0.96	66.05 1.13 -3.98	63.61 1.16 -5.36	51.09 0.95 -4.15	49.77 1.36 -4.79	42.64 1.12 -2.43	41.21 1.17 -1.98	41.01 0.96 -1.49	47.86 1.02 -1.96	48.61 1.17 -2.07	43.51 1.16 -1.71	45.38 1.35 -2.05	49.90 1.46 -2.36	100.11 3.36 -5.78	72.53 2.03 -6.58	54.07 1.04 -3.07	64.00 1.26 -3.95	65.22 1.37 -5.08	44.77 0.70 -2.37
PYRITES___HYD 24023	30.71 1.45 -0.17	30.11 1.39 -0.10	26.55 1.22 -0.02	25.23 1.15 0.00	26.08 1.26 -0.05	32.26 1.65 -0.26	65.84 3.79 -1.12	62.39 3.70 -1.60	50.36 3.15 -1.21	67.32 2.54 -21.15	48.68 1.83 -7.75	40.00 1.44 -0.51	39.95 1.00 -0.39	46.14 0.74 -0.52	46.68 0.77 -0.55	41.52 0.43 -0.45	42.69 0.17 -0.54	46.62 -0.09 -0.62	93.45 0.96 -1.52	66.95 1.30 -1.73	52.69 1.92 -0.81	62.81 2.98 -1.04	63.42 3.30 -1.34	44.67 2.36 -0.62
QUAKERRD_115KV_BK1 80622	29.13 -0.48 -0.51	28.35 -0.57 -0.30	24.87 -0.50 -0.07	23.74 -0.35 -0.01	24.54 -0.38 -0.14	30.78 -0.34 -0.77	63.53 -0.62 -3.21	60.90 -0.50 -4.31	49.24 -0.10 -3.35	47.95 0.46 -3.87	41.57 0.52 -1.96	40.20 0.54 -1.60	40.08 0.32 -1.20	46.60 0.15 -1.58	47.43 0.39 -1.67	42.27 0.25 -1.38	43.85 0.23 -1.65	48.18 0.20 -1.90	96.42 0.79 -4.66	69.49 0.27 -5.29	52.04 -0.40 -2.47	61.64 -0.33 -3.17	62.51 -0.35 -4.09	43.40 -0.20 -1.91
QUENSBRY_115KV_TB8 356137	30.20 1.10 0.00	29.77 1.15 0.00	26.33 1.03 0.00	25.02 0.94 0.00	25.68 0.90 0.00	31.33 0.98 0.00	62.94 2.00 0.00	58.83 1.74 0.00	47.22 1.22 0.00	45.10 1.48 0.00	40.44 1.35 0.00	39.11 1.29 0.23	40.09 1.57 0.04	46.93 2.04 0.00	47.14 1.78 0.00	42.09 1.44 0.00	43.61 1.63 0.00	48.06 1.99 0.00	95.15 4.17 0.00	67.07 3.15 0.00	52.27 2.30 0.00	60.97 2.18 0.00	60.33 1.55 0.00	42.86 1.17 0.00
RAMAPO___LBMP 323565	29.76 0.66 0.00	29.21 0.59 0.00	25.76 0.46 0.00	24.48 0.40 0.00	25.19 0.41 0.00	30.84 0.48 0.00	61.79 0.85 0.00	57.96 0.88 0.00	46.68 0.68 0.00	44.75 1.13 0.00	40.25 1.16 0.00	39.55 1.27 -0.22	40.22 1.62 -0.04	46.91 2.02 0.00	47.53 2.16 0.00	42.57 1.93 0.00	43.99 2.01 0.00	48.42 2.34 0.00	95.85 4.88 0.00	67.04 3.12 0.00	51.53 1.57 0.00	60.03 1.23 0.00	59.75 0.97 0.00	42.27 0.57 0.00
RANKINE____ 23646	29.76 0.13 -0.54	28.91 -0.03 -0.32	25.39 0.01 -0.08	24.44 0.35 -0.01	25.26 0.33 -0.15	31.76 0.58 -0.82	65.09 0.74 -3.41	62.34 0.69 -4.57	50.73 1.19 -3.54	50.10 2.39 -4.09	43.45 2.28 -2.08	42.25 2.50 -1.69	41.78 1.95 -1.27	48.23 1.67 -1.67	49.33 2.19 -1.77	43.88 1.77 -1.46	45.37 1.64 -1.76	49.54 1.44 -2.02	99.38 3.46 -4.95	71.27 1.71 -5.63	52.95 0.36 -2.62	63.37 1.20 -3.38	64.71 1.59 -4.34	45.18 1.46 -2.03
RAVENSWOOD_GT2_1 24244	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.52 1.44 0.00	47.31 1.31 0.00	45.40 1.78 0.00	40.88 1.79 0.00	40.17 1.88 -0.24	40.88 2.29 -0.04	47.68 2.80 0.00	48.30 2.93 0.00	43.29 2.65 0.00	44.67 2.70 0.00	49.10 3.02 0.00	96.98 6.00 0.00	67.85 3.93 0.00	52.20 2.24 0.00	60.77 1.97 0.00	60.42 1.64 0.00	42.74 1.05 0.00
RAVENSWOOD_GT2_2 24245	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.52 1.44 0.00	47.31 1.31 0.00	45.40 1.78 0.00	40.88 1.79 0.00	40.17 1.88 -0.24	40.88 2.29 -0.04	47.68 2.80 0.00	48.30 2.93 0.00	43.29 2.65 0.00	44.67 2.70 0.00	49.10 3.02 0.00	96.98 6.00 0.00	67.85 3.93 0.00	52.20 2.24 0.00	60.77 1.97 0.00	60.42 1.64 0.00	42.74 1.05 0.00



RAVENSWOOD_GT2_3 24246	30.13 1.04 0.00	29.56 0.94 0.00	26.07 0.77 0.00	24.76 0.68 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.44 0.00	58.55 1.46 0.00	47.32 1.32 0.00	45.43 1.81 0.00	40.90 1.81 0.00	40.19 1.90 -0.24	40.90 2.31 -0.04	47.70 2.82 0.00	48.32 2.95 0.00	43.32 2.67 0.00	44.70 2.73 0.00	49.15 3.07 0.00	97.05 6.08 0.00	67.89 3.96 0.00	52.24 2.27 0.00	60.82 2.02 0.00	60.46 1.68 0.00	42.76 1.07 0.00
RAVENSWOOD_GT2_4 24247	30.13 1.04 0.00	29.56 0.94 0.00	26.07 0.77 0.00	24.76 0.68 0.00	25.48 0.70 0.00	31.18 0.83 0.00	62.37 1.44 0.00	58.55 1.46 0.00	47.32 1.32 0.00	45.43 1.81 0.00	40.90 1.81 0.00	40.19 1.90 -0.24	40.90 2.31 -0.04	47.70 2.82 0.00	48.32 2.95 0.00	43.32 2.67 0.00	44.70 2.73 0.00	49.15 3.07 0.00	97.05 6.08 0.00	67.89 3.96 0.00	52.24 2.27 0.00	60.82 2.02 0.00	60.46 1.68 0.00	42.76 1.07 0.00
RAVENSWOOD_GT3_1 24248	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.52 1.44 0.00	47.31 1.31 0.00	45.40 1.78 0.00	40.88 1.79 0.00	40.17 1.88 -0.24	40.88 2.29 -0.04	47.68 2.80 0.00	48.30 2.93 0.00	43.29 2.65 0.00	44.68 2.70 0.00	49.10 3.02 0.00	96.98 6.00 0.00	67.86 3.94 0.00	52.20 2.24 0.00	60.78 1.99 0.00	60.42 1.64 0.00	42.74 1.05 0.00
RAVENSWOOD_GT3_2 24249	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.52 1.44 0.00	47.31 1.31 0.00	45.40 1.78 0.00	40.88 1.79 0.00	40.17 1.88 -0.24	40.88 2.29 -0.04	47.68 2.80 0.00	48.30 2.93 0.00	43.29 2.65 0.00	44.68 2.70 0.00	49.10 3.02 0.00	96.98 6.00 0.00	67.86 3.94 0.00	52.20 2.24 0.00	60.78 1.99 0.00	60.42 1.64 0.00	42.74 1.05 0.00
RAVENSWOOD_GT3_3 24250	30.16 1.07 0.00	29.59 0.97 0.00	26.10 0.79 0.00	24.78 0.71 0.00	25.50 0.72 0.00	31.21 0.86 0.00	62.44 1.50 0.00	58.61 1.53 0.00	47.39 1.39 0.00	45.49 1.86 0.00	40.95 1.86 0.00	40.25 1.95 -0.24	40.96 2.36 -0.04	47.78 2.89 0.00	48.40 3.03 0.00	43.38 2.74 0.00	44.77 2.79 0.00	49.20 3.12 0.00	97.18 6.21 0.00	67.99 4.07 0.00	52.31 2.34 0.00	60.90 2.10 0.00	60.54 1.76 0.00	42.82 1.12 0.00
RAVENSWOOD_GT3_4 24251	30.16 1.07 0.00	29.59 0.97 0.00	26.10 0.79 0.00	24.78 0.71 0.00	25.50 0.72 0.00	31.21 0.86 0.00	62.44 1.50 0.00	58.61 1.53 0.00	47.39 1.39 0.00	45.49 1.86 0.00	40.95 1.86 0.00	40.25 1.95 -0.24	40.96 2.36 -0.04	47.78 2.89 0.00	48.40 3.03 0.00	43.38 2.74 0.00	44.77 2.79 0.00	49.20 3.12 0.00	97.18 6.21 0.00	67.99 4.07 0.00	52.31 2.34 0.00	60.90 2.10 0.00	60.54 1.76 0.00	42.82 1.12 0.00
RAVENSWOOD_GT_1 23729	30.21 1.11 0.00	29.63 1.01 0.00	26.13 0.83 0.00	24.80 0.72 0.00	25.52 0.74 0.00	31.25 0.89 0.00	62.46 1.52 0.00	58.87 1.65 -0.14	47.67 1.53 -0.14	45.79 2.01 -0.15	41.28 1.99 -0.19	40.47 2.09 -0.33	41.30 2.49 -0.25	48.20 3.03 -0.29	48.57 3.15 -0.05	43.54 2.86 -0.04	44.87 2.89 -0.01	49.31 3.21 -0.01	97.09 6.12 0.00	67.93 4.01 0.00	52.33 2.35 -0.02	61.02 2.11 -0.12	60.75 1.75 -0.22	42.87 1.13 -0.04
RAVENSWOOD_GT_10 24258	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.53 1.43 -0.02	47.31 1.30 -0.02	45.41 1.77 -0.02	40.90 1.79 -0.02	40.18 1.88 -0.25	40.89 2.28 -0.06	47.70 2.79 -0.03	48.30 2.92 0.00	43.29 2.64 0.00	44.67 2.70 0.00	49.11 3.02 0.00	96.98 6.00 0.00	67.87 3.94 0.00	52.20 2.24 0.00	60.79 1.98 -0.01	60.45 1.64 -0.03	42.75 1.05 -0.01
RAVENSWOOD_GT_11 24259	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.53 1.43 -0.02	47.31 1.30 -0.02	45.41 1.77 -0.02	40.90 1.79 -0.02	40.18 1.88 -0.25	40.89 2.28 -0.06	47.70 2.79 -0.03	48.30 2.92 0.00	43.29 2.64 0.00	44.67 2.70 0.00	49.11 3.02 0.00	96.98 6.00 0.00	67.87 3.94 0.00	52.20 2.24 0.00	60.79 1.98 -0.01	60.45 1.64 -0.03	42.75 1.05 -0.01
RAVENSWOOD_GT_4 24252	30.11 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.33 1.40 0.00	58.58 1.40 -0.10	47.37 1.26 -0.10	45.48 1.75 -0.12	40.98 1.75 -0.14	40.20 1.84 -0.30	41.00 2.26 -0.19	47.86 2.76 -0.21	48.30 2.90 -0.03	43.28 2.62 -0.02	44.66 2.68 0.00	49.09 3.00 -0.01	96.98 6.00 0.00	67.87 3.94 0.00	52.21 2.23 -0.02	60.85 1.96 -0.09	60.59 1.64 -0.17	42.77 1.04 -0.03
RAVENSWOOD_GT_5 24254	30.11 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.33 1.40 0.00	58.58 1.40 -0.10	47.37 1.26 -0.10	45.48 1.75 -0.12	40.98 1.75 -0.14	40.20 1.84 -0.30	41.00 2.26 -0.19	47.86 2.76 -0.21	48.30 2.90 -0.03	43.28 2.62 -0.02	44.66 2.68 0.00	49.09 3.00 -0.01	96.98 6.00 0.00	67.87 3.94 0.00	52.21 2.23 -0.02	60.85 1.96 -0.09	60.59 1.64 -0.17	42.77 1.04 -0.03
RAVENSWOOD_GT_6 24253	30.11 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.33 1.40 0.00	58.58 1.40 -0.10	47.37 1.26 -0.10	45.48 1.75 -0.12	40.98 1.75 -0.14	40.20 1.84 -0.30	41.00 2.26 -0.19	47.86 2.76 -0.21	48.30 2.90 -0.03	43.28 2.62 -0.02	44.66 2.68 0.00	49.09 3.00 -0.01	96.98 6.00 0.00	67.87 3.94 0.00	52.21 2.23 -0.02	60.85 1.96 -0.09	60.59 1.64 -0.17	42.77 1.04 -0.03
RAVENSWOOD_GT_7 24255	30.11 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.33 1.40 0.00	58.58 1.40 -0.10	47.37 1.26 -0.10	45.48 1.75 -0.12	40.98 1.75 -0.14	40.20 1.84 -0.30	41.00 2.26 -0.19	47.86 2.76 -0.21	48.30 2.90 -0.03	43.28 2.62 -0.02	44.66 2.68 0.00	49.09 3.00 -0.01	96.98 6.00 0.00	67.87 3.94 0.00	52.21 2.23 -0.02	60.85 1.96 -0.09	60.59 1.64 -0.17	42.77 1.04 -0.03
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.53 1.43 -0.02	47.31 1.30 -0.02	45.41 1.77 -0.02	40.90 1.79 -0.02	40.18 1.88 -0.25	40.89 2.28 -0.06	47.70 2.79 -0.03	48.30 2.92 0.00	43.29 2.64 0.00	44.67 2.70 0.00	49.11 3.02 0.00	96.98 6.00 0.00	67.87 3.94 0.00	52.20 2.24 0.00	60.79 1.98 -0.01	60.45 1.64 -0.03	42.75 1.05 -0.01
RAVENSWOOD_GT_9 24257	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.81 0.00	62.34 1.40 0.00	58.53 1.43 -0.02	47.31 1.30 -0.02	45.41 1.77 -0.02	40.90 1.79 -0.02	40.18 1.88 -0.25	40.89 2.28 -0.06	47.70 2.79 -0.03	48.30 2.92 0.00	43.29 2.64 0.00	44.67 2.70 0.00	49.11 3.02 0.00	96.98 6.00 0.00	67.87 3.94 0.00	52.20 2.24 0.00	60.79 1.98 -0.01	60.45 1.64 -0.03	42.75 1.05 -0.01



RAVENSWOOD___1 23533	30.16 1.06 0.00	29.59 0.96 0.00	26.09 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.20 0.84 0.00	62.39 1.45 0.00	58.53 1.58 0.13	47.35 1.48 0.14	45.42 1.95 0.15	40.87 1.96 0.18	40.25 2.04 -0.16	40.84 2.44 0.15	47.58 2.96 0.27	48.42 3.10 0.04	43.43 2.81 0.03	44.81 2.84 0.01	49.22 3.16 0.01	97.01 6.04 0.00	67.87 3.95 0.00	52.27 2.32 0.02	60.77 2.09 0.12	60.30 1.73 0.22	42.76 1.10 0.04
RAVENSWOOD___2 23534	30.16 1.06 0.00	29.59 0.96 0.00	26.09 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.20 0.84 0.00	62.39 1.45 0.00	58.53 1.58 0.13	47.35 1.48 0.14	45.42 1.95 0.15	40.87 1.96 0.18	40.25 2.04 -0.16	40.84 2.44 0.15	47.58 2.96 0.27	48.42 3.10 0.04	43.43 2.81 0.03	44.81 2.84 0.01	49.22 3.16 0.01	97.01 6.04 0.00	67.87 3.95 0.00	52.27 2.32 0.02	60.77 2.09 0.12	60.30 1.73 0.22	42.76 1.10 0.04
RAVENSWOOD___3 23535	30.12 1.02 0.00	29.56 0.94 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.69 0.00	31.17 0.81 0.00	62.35 1.41 0.00	58.52 1.44 0.00	47.31 1.31 0.00	45.40 1.78 0.00	40.89 1.80 0.00	40.17 1.88 -0.24	40.88 2.29 -0.04	47.68 2.80 0.00	48.31 2.94 0.00	43.30 2.66 0.00	44.68 2.70 0.00	49.11 3.03 0.00	96.98 6.01 0.00	67.87 3.94 0.00	52.20 2.24 0.00	60.78 1.98 0.00	60.42 1.65 0.00	42.74 1.05 0.00
RAVENSWOOD___4 23820	30.16 1.06 0.00	29.59 0.96 0.00	26.09 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.20 0.84 0.00	62.39 1.45 0.00	58.53 1.58 0.13	47.35 1.48 0.14	45.42 1.95 0.15	40.87 1.96 0.18	40.25 2.04 -0.16	40.84 2.44 0.15	47.58 2.96 0.27	48.42 3.10 0.04	43.43 2.81 0.03	44.81 2.84 0.01	49.22 3.16 0.01	97.01 6.04 0.00	67.87 3.95 0.00	52.27 2.32 0.02	60.77 2.09 0.12	60.30 1.73 0.22	42.76 1.10 0.04
RCPL_TRUST___DRP 24196	30.12 1.02 0.00	29.55 0.93 0.00	26.06 0.76 0.00	24.75 0.67 0.00	25.46 0.68 0.00	31.17 0.82 0.00	62.36 1.42 0.00	58.52 1.44 0.00	47.30 1.31 0.00	45.43 1.81 0.00	40.92 1.82 0.00	40.21 1.91 -0.24	40.92 2.32 -0.04	47.73 2.84 0.00	48.35 2.98 0.00	43.34 2.70 0.00	44.73 2.76 0.00	49.16 3.08 0.00	97.09 6.12 0.00	67.92 3.99 0.00	52.23 2.27 0.00	60.81 2.01 0.00	60.45 1.68 0.00	42.75 1.06 0.00
RED___ROCHESTER 323720	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.43 1.30 -3.19	62.73 1.36 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.02 1.98 -1.95	41.63 1.99 -1.59	41.47 1.73 -1.19	48.23 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.65 4.06 -4.63	71.65 2.47 -5.26	53.63 1.22 -2.45	63.58 1.63 -3.16	64.46 1.62 -4.06	44.81 1.22 -1.90
REGAN___SOLAR 323812	30.40 1.30 0.00	29.89 1.27 0.00	26.41 1.11 0.00	25.13 1.05 0.00	25.87 1.09 0.00	31.78 1.43 0.00	64.08 3.15 0.00	60.11 3.02 0.00	48.35 2.35 0.00	46.11 2.49 0.00	41.04 1.95 0.00	39.17 1.27 0.16	39.88 1.36 0.03	46.78 1.89 0.00	47.28 1.91 0.00	42.48 1.84 0.00	43.88 1.90 0.00	48.53 2.46 0.00	96.55 5.59 0.00	68.04 4.11 0.00	52.90 2.93 0.00	62.01 3.21 0.00	61.80 3.02 0.00	43.74 2.05 0.00
RENSSELAER___COGEN 23796	28.91 -0.18 0.00	28.47 -0.15 0.00	25.17 -0.13 0.00	23.93 -0.15 0.00	24.62 -0.15 0.00	30.08 -0.27 0.00	60.22 -0.72 0.00	56.25 -0.84 0.00	45.25 -0.75 0.00	43.02 -0.60 0.00	38.59 -0.50 0.00	37.40 -0.46 0.19	38.24 -0.28 0.03	44.65 -0.23 0.00	45.04 -0.33 0.00	40.39 -0.25 0.00	41.72 -0.26 0.00	45.83 -0.25 0.00	90.16 -0.81 0.00	63.44 -0.48 0.00	49.33 -0.63 0.00	57.60 -1.20 0.00	57.40 -1.38 0.00	40.87 -0.83 0.00
REPUBLIC_115KV_BARTNBRK 55605	32.00 2.90 0.00	31.66 3.04 0.00	28.11 2.80 0.00	26.61 2.53 0.00	27.17 2.39 0.00	33.24 2.89 0.00	66.78 5.84 0.00	62.40 5.32 0.00	49.87 3.87 0.00	47.66 4.04 0.00	42.76 3.67 0.00	41.42 3.60 0.24	42.77 4.25 0.04	50.06 5.17 0.00	49.90 4.53 0.00	44.36 3.72 0.00	46.17 4.19 0.00	51.12 5.04 0.00	101.34 10.37 0.00	71.54 7.62 0.00	55.94 5.97 0.00	64.91 6.12 0.00	63.45 4.67 0.00	45.12 3.42 0.00
REVERE_CPPR_DRP 24186	30.36 0.86 -0.41	29.75 0.88 -0.24	26.12 0.76 -0.06	24.80 0.72 -0.01	25.67 0.78 -0.11	32.14 1.17 -0.62	66.18 2.94 -2.31	63.35 3.03 -3.24	50.71 2.42 -2.30	50.35 2.42 -4.32	43.18 2.14 -1.95	41.13 1.99 -1.08	41.29 1.84 -0.90	48.20 2.14 -1.18	48.64 2.02 -1.25	43.45 1.78 -1.03	45.28 2.07 -1.23	49.86 2.36 -1.42	99.72 5.27 -3.48	71.70 3.82 -3.95	54.49 2.69 -1.85	64.13 2.96 -2.37	64.62 2.79 -3.05	44.91 1.80 -1.42
REYNLDPA_13_KV_LD 356490	29.71 0.62 0.00	29.19 0.57 0.00	25.83 0.52 0.00	24.57 0.49 0.00	25.31 0.53 0.00	31.01 0.66 0.00	62.27 1.33 0.00	58.31 1.23 0.00	47.06 1.06 2.74	41.43 0.55 1.01	38.47 0.39 0.00	38.35 0.29 0.00	38.67 0.11 0.00	44.90 0.02 0.00	45.33 -0.04 0.00	40.57 -0.07 0.00	41.79 -0.19 0.00	45.80 -0.28 0.00	90.39 -0.59 0.00	63.70 -0.23 0.00	50.45 0.48 0.00	59.85 1.06 0.00	60.11 1.33 0.00	42.73 1.04 0.00
REYNOLDS_115KV_TB3 80639	29.10 0.00 0.00	28.66 0.04 0.00	25.34 0.04 0.00	24.09 0.01 0.00	24.79 0.01 0.00	30.28 -0.08 0.00	60.62 -0.32 0.00	56.63 -0.45 0.00	45.56 -0.44 0.00	43.38 -0.24 0.00	38.92 -0.17 0.00	37.68 -0.14 0.23	38.58 0.07 0.04	45.11 0.22 0.00	45.46 0.09 0.00	40.76 0.11 0.00	42.07 0.10 0.00	46.21 0.13 0.00	90.93 -0.04 0.00	64.00 0.07 0.00	49.80 -0.16 0.00	58.11 -0.69 0.00	57.90 -0.88 0.00	41.26 -0.43 0.00
RIVERBAY____ 323610	30.84 1.75 0.00	30.27 1.65 0.00	26.70 1.40 0.00	25.40 1.32 0.00	26.14 1.36 0.00	32.03 1.68 0.00	64.09 3.16 0.00	60.23 3.15 0.00	48.60 2.60 0.00	46.62 3.00 0.00	41.97 2.87 -0.01	41.20 2.90 -0.25	41.90 3.30 -0.05	48.88 3.99 -0.01	49.55 4.18 0.00	44.46 3.81 0.00	45.87 3.89 0.00	50.42 4.34 0.00	99.38 8.41 0.00	69.58 5.66 0.00	53.56 3.60 0.00	62.44 3.64 0.00	62.07 3.29 0.00	43.94 2.25 0.00
RIVERSDE_115KV_TB3 55908	29.02 -0.07 0.00	28.59 -0.04 0.00	25.27 -0.03 0.00	24.03 -0.06 0.00	24.72 -0.05 0.00	30.21 -0.15 0.00	60.49 -0.45 0.00	56.53 -0.56 0.00	45.51 -0.49 0.00	43.30 -0.32 0.00	38.85 -0.25 0.00	37.62 -0.22 0.21	38.50 -0.02 0.04	44.98 0.09 0.00	45.36 -0.01 0.00	40.68 0.04 0.00	42.01 0.03 0.00	46.14 0.06 0.00	90.78 -0.19 0.00	63.88 -0.04 0.00	49.68 -0.28 0.00	57.99 -0.81 0.00	57.79 -0.99 0.00	41.14 -0.55 0.00
ROARING___BROOK_WT_PWR 323790	28.73 -0.36 0.00	28.40 -0.22 0.00	25.18 -0.12 0.00	23.99 -0.08 0.00	24.66 -0.12 0.00	30.22 -0.14 0.00	60.92 -0.02 0.00	57.14 0.05 0.00	46.09 0.10 0.00	43.15 -0.02 0.45	38.92 -0.01 0.17	38.03 -0.02 0.00	38.48 -0.08 0.00	44.75 -0.14 0.00	45.20 -0.17 0.00	40.50 -0.14 0.00	41.82 -0.16 0.00	45.91 -0.17 0.00	90.64 -0.33 0.00	63.74 -0.19 0.00	49.95 -0.01 0.00	58.91 0.11 0.00	58.94 0.16 0.00	41.83 0.13 0.00



ROCHESRG_115KV_T4 355643	29.71 0.12 -0.49	28.92 0.00 -0.30	25.38 0.01 -0.07	24.26 0.18 -0.01	25.07 0.15 -0.14	31.42 0.32 -0.75	64.68 0.63 -3.11	61.94 0.67 -4.18	50.16 0.92 -3.24	48.89 1.52 -3.75	42.47 1.48 -1.90	41.11 1.50 -1.55	40.95 1.23 -1.16	47.57 1.16 -1.53	48.45 1.46 -1.62	43.14 1.16 -1.34	44.70 1.12 -1.60	49.08 1.15 -1.85	98.24 2.75 -4.52	70.63 1.57 -5.14	52.92 0.56 -2.40	62.77 0.89 -3.08	63.69 0.94 -3.96	44.30 0.76 -1.85
ROCHESTER_9_IC 23652	29.91 0.31 -0.51	29.10 0.17 -0.30	25.53 0.16 -0.07	24.40 0.31 -0.01	25.21 0.30 -0.14	31.63 0.51 -0.77	65.16 1.03 -3.19	62.43 1.06 -4.29	50.56 1.24 -3.33	49.30 1.84 -3.84	42.80 1.77 -1.95	41.43 1.79 -1.59	41.26 1.51 -1.19	47.95 1.50 -1.57	48.83 1.80 -1.66	43.49 1.48 -1.37	45.07 1.45 -1.64	49.50 1.53 -1.89	99.09 3.50 -4.63	71.27 2.08 -5.26	53.35 0.93 -2.45	63.25 1.30 -3.16	64.15 1.31 -4.06	44.60 1.01 -1.90
ROCKVIEW_13_KV_LD 356306	30.08 0.98 0.00	29.52 0.90 0.00	26.04 0.73 0.00	24.73 0.65 0.00	25.44 0.66 0.00	31.14 0.79 0.00	62.39 1.45 0.00	58.53 1.45 0.00	47.24 1.25 0.00	45.35 1.73 0.00	40.84 1.75 0.00	40.12 1.82 -0.24	40.79 2.20 -0.04	47.59 2.70 0.00	48.23 2.86 0.00	43.23 2.59 0.00	44.64 2.67 0.00	49.08 3.00 0.00	97.06 6.09 0.00	67.88 3.96 0.00	52.23 2.26 0.00	60.83 2.03 0.00	60.45 1.68 0.00	42.76 1.07 0.00
ROME____115KV_TB2 80656	30.36 0.86 -0.41	29.75 0.88 -0.24	26.12 0.76 -0.06	24.80 0.72 -0.01	25.67 0.78 -0.11	32.14 1.17 -0.62	66.18 2.94 -2.31	63.35 3.03 -3.24	50.71 2.42 -2.30	50.35 2.42 -4.32	43.18 2.14 -1.95	41.13 1.99 -1.08	41.29 1.84 -0.90	48.20 2.14 -1.18	48.64 2.02 -1.25	43.45 1.78 -1.03	45.28 2.07 -1.23	49.86 2.36 -1.42	99.72 5.27 -3.48	71.70 3.82 -3.95	54.49 2.69 -1.85	64.13 2.96 -2.37	64.62 2.79 -3.05	44.91 1.80 -1.42
ROSETON___1 23587	29.61 0.52 0.00	29.10 0.47 0.00	25.70 0.40 0.00	24.43 0.35 0.00	25.12 0.34 0.00	30.73 0.38 0.00	61.54 0.60 0.00	57.67 0.58 0.00	46.48 0.49 0.00	44.50 0.88 0.00	39.99 0.90 0.00	39.23 0.95 -0.22	39.85 1.26 -0.04	46.50 1.61 0.00	47.05 1.68 0.00	42.16 1.52 0.00	43.50 1.52 0.00	47.85 1.77 0.00	94.53 3.57 0.00	66.23 2.30 0.00	51.12 1.15 0.00	59.63 0.83 0.00	59.36 0.58 0.00	42.05 0.35 0.00
ROSETON___2 23588	29.61 0.52 0.00	29.10 0.47 0.00	25.70 0.40 0.00	24.43 0.35 0.00	25.12 0.34 0.00	30.73 0.38 0.00	61.54 0.60 0.00	57.67 0.58 0.00	46.48 0.49 0.00	44.50 0.88 0.00	39.99 0.90 0.00	39.23 0.95 -0.22	39.85 1.26 -0.04	46.50 1.61 0.00	47.05 1.68 0.00	42.16 1.52 0.00	43.50 1.52 0.00	47.85 1.77 0.00	94.53 3.57 0.00	66.23 2.30 0.00	51.12 1.15 0.00	59.63 0.83 0.00	59.36 0.58 0.00	42.05 0.35 0.00
ROTRDAM_115KV_TB3 80664	29.51 0.41 0.00	29.05 0.43 0.00	25.68 0.38 0.00	24.43 0.35 0.00	25.11 0.33 0.00	30.73 0.37 0.00	61.66 0.72 0.00	57.71 0.63 0.00	46.47 0.48 0.00	44.30 0.68 0.00	39.72 0.62 0.00	38.44 0.56 0.18	39.21 0.69 0.03	45.84 0.95 0.00	46.27 0.90 0.00	41.47 0.83 0.00	42.85 0.87 0.00	47.11 1.03 0.00	92.94 1.97 0.00	65.37 1.44 0.00	50.83 0.87 0.00	59.51 0.72 0.00	59.34 0.56 0.00	42.11 0.41 0.00
RUSSELL___1 23602	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.45 1.32 -3.19	62.72 1.35 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.03 1.99 -1.95	41.64 2.00 -1.59	41.47 1.73 -1.19	48.22 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.68 4.08 -4.63	71.65 2.46 -5.26	53.64 1.22 -2.45	63.58 1.63 -3.16	64.45 1.61 -4.06	44.81 1.22 -1.90
RUSSELL___2 23532	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.45 1.32 -3.19	62.72 1.35 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.03 1.99 -1.95	41.64 2.00 -1.59	41.47 1.73 -1.19	48.22 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.68 4.08 -4.63	71.65 2.46 -5.26	53.64 1.22 -2.45	63.58 1.63 -3.16	64.45 1.61 -4.06	44.81 1.22 -1.90
RUSSELL___3 23549	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.45 1.32 -3.19	62.72 1.35 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.03 1.99 -1.95	41.64 2.00 -1.59	41.47 1.73 -1.19	48.22 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.68 4.08 -4.63	71.65 2.46 -5.26	53.64 1.22 -2.45	63.58 1.63 -3.16	64.45 1.61 -4.06	44.81 1.22 -1.90
RUSSELL___4 23556	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.45 1.32 -3.19	62.72 1.35 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.03 1.99 -1.95	41.64 2.00 -1.59	41.47 1.73 -1.19	48.22 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.68 4.08 -4.63	71.65 2.46 -5.26	53.64 1.22 -2.45	63.58 1.63 -3.16	64.45 1.61 -4.06	44.81 1.22 -1.90
RUSSELL___STATION 23914	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.45 1.32 -3.19	62.72 1.35 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.03 1.99 -1.95	41.64 2.00 -1.59	41.47 1.73 -1.19	48.22 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.68 4.08 -4.63	71.65 2.46 -5.26	53.64 1.22 -2.45	63.58 1.63 -3.16	64.45 1.61 -4.06	44.81 1.22 -1.90
S SALMON___HYD 24043	30.27 -0.01 -1.18	29.35 0.03 -0.70	25.54 0.07 -0.16	24.08 -0.02 -0.02	25.18 0.09 -0.32	32.46 0.31 -1.79	69.41 1.09 -7.38	68.23 1.20 -9.95	54.76 1.08 -7.68	55.74 1.23 -10.89	45.28 0.95 -5.23	42.41 0.70 -3.66	41.80 0.49 -2.76	48.99 0.47 -3.63	49.62 0.41 -3.84	44.27 0.46 -3.17	46.44 0.65 -3.81	51.15 0.69 -4.38	103.90 2.21 -10.72	77.77 1.65 -12.20	56.72 1.07 -5.68	67.55 1.44 -7.31	69.43 1.24 -9.41	46.81 0.72 -4.39
S.PERRY__115KV_TB1 80734	30.74 1.03 -0.61	29.90 0.91 -0.36	26.20 0.82 -0.08	25.11 1.02 -0.01	26.03 1.09 -0.17	32.86 1.59 -0.92	68.07 3.31 -3.81	65.40 3.18 -5.14	52.92 2.94 -3.98	51.46 3.23 -4.61	44.21 2.78 -2.33	42.90 2.94 -1.90	42.38 2.40 -1.43	49.03 2.27 -1.88	50.12 2.77 -1.99	44.94 2.66 -1.64	46.78 2.84 -1.96	50.79 2.45 -2.26	103.81 7.30 -5.53	75.11 4.89 -6.29	55.86 2.96 -2.93	66.34 3.77 -3.77	67.38 3.74 -4.86	46.46 2.50 -2.27
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	29.60 -0.03 -0.53	28.74 -0.20 -0.32	25.26 -0.12 -0.08	24.32 0.23 -0.01	25.11 0.19 -0.15	31.56 0.39 -0.81	64.55 0.26 -3.36	61.74 0.19 -4.47	50.29 0.83 -3.47	49.69 2.06 -4.01	43.16 2.03 -2.03	41.94 2.23 -1.66	41.47 1.67 -1.24	47.88 1.35 -1.64	48.97 1.86 -1.75	43.51 1.43 -1.44	44.95 1.25 -1.73	49.10 1.03 -1.99	98.33 2.49 -4.87	70.52 1.05 -5.54	52.43 -0.12 -2.58	62.77 0.66 -3.32	64.11 1.05 -4.28	44.91 1.22 -2.00



SAWYER___23_KV_LOAD 55526	29.60 -0.03 -0.53	28.74 -0.20 -0.32	25.26 -0.12 -0.08	24.32 0.23 -0.01	25.11 0.19 -0.15	31.56 0.39 -0.81	64.55 0.26 -3.36	61.74 0.19 -4.47	50.29 0.83 -3.47	49.69 2.06 -4.01	43.16 2.03 -2.03	41.94 2.23 -1.66	41.47 1.67 -1.24	47.88 1.35 -1.64	48.97 1.86 -1.75	43.51 1.43 -1.44	44.95 1.25 -1.73	49.10 1.03 -1.99	98.33 2.49 -4.87	70.52 1.05 -5.54	52.43 -0.12 -2.58	62.77 0.66 -3.32	64.11 1.05 -4.28	44.91 1.22 -2.00
SELKIRK___I 23801	29.29 0.19 0.00	28.85 0.23 0.00	25.50 0.20 0.00	24.26 0.18 0.00	24.94 0.16 0.00	30.49 0.14 0.00	61.07 0.14 0.00	56.98 -0.10 0.00	45.76 -0.24 0.00	43.49 -0.13 0.00	39.02 -0.07 0.00	37.79 -0.14 0.12	37.97 -0.57 0.02	44.11 -0.78 0.00	44.51 -0.86 0.00	39.98 -0.67 0.00	41.33 -0.65 0.00	45.36 -0.73 0.00	89.27 -1.70 0.00	62.78 -1.14 0.00	48.85 -1.12 0.00	57.13 -1.67 0.00	57.03 -1.75 0.00	40.56 -1.14 0.00
SELKIRK___II 23799	29.08 -0.02 0.00	28.64 0.02 0.00	25.32 0.02 0.00	24.07 -0.01 0.00	24.76 -0.02 0.00	30.26 -0.09 0.00	60.62 -0.32 0.00	56.56 -0.53 0.00	45.39 -0.60 0.00	43.09 -0.54 0.00	38.62 -0.47 0.00	37.48 -0.44 0.14	38.20 -0.33 0.02	44.59 -0.30 0.00	45.00 -0.37 0.00	40.36 -0.28 0.00	41.69 -0.28 0.00	45.77 -0.31 0.00	90.02 -0.95 0.00	63.30 -0.62 0.00	49.21 -0.75 0.00	57.53 -1.27 0.00	57.41 -1.37 0.00	40.83 -0.86 0.00
SENECA OSWGO___HYD 24041	29.56 -0.30 -0.75	28.75 -0.32 -0.45	25.11 -0.30 -0.10	23.85 -0.24 -0.02	24.73 -0.25 -0.21	31.27 -0.23 -1.15	65.32 -0.36 -4.75	63.24 -0.24 -6.39	50.88 -0.07 -4.96	50.09 0.21 -6.26	42.36 0.17 -3.10	40.59 0.17 -2.37	40.37 0.05 -1.78	47.23 0.01 -2.33	47.89 0.05 -2.47	42.77 0.09 -2.04	44.62 0.20 -2.45	49.11 0.21 -2.82	98.51 0.65 -6.89	72.15 0.39 -7.84	53.57 -0.05 -3.66	63.38 -0.12 -4.70	64.62 -0.21 -6.05	44.29 -0.23 -2.82
SENECA___115KV_TB3 355854	29.81 0.17 -0.54	28.96 0.01 -0.32	25.43 0.05 -0.08	24.48 0.39 -0.01	25.29 0.37 -0.15	31.81 0.63 -0.82	65.20 0.85 -3.41	62.45 0.79 -4.57	50.81 1.27 -3.54	50.19 2.47 -4.09	43.52 2.35 -2.08	42.32 2.58 -1.69	41.85 2.03 -1.27	48.32 1.76 -1.67	49.42 2.27 -1.77	43.96 1.85 -1.46	45.46 1.73 -1.76	49.63 1.53 -2.02	99.56 3.65 -4.95	71.39 1.84 -5.63	53.05 0.46 -2.62	63.47 1.30 -3.38	64.81 1.69 -4.34	45.25 1.53 -2.03
SENECA___ENERGY 23797	30.55 0.30 -1.16	29.54 0.23 -0.69	25.64 0.17 -0.16	24.38 0.28 -0.02	25.42 0.32 -0.31	32.66 0.55 -1.76	69.28 1.09 -7.25	67.95 1.11 -9.75	54.59 1.05 -7.55	53.83 1.48 -8.73	44.90 1.29 -4.51	42.97 1.31 -3.61	42.40 1.13 -2.71	49.43 0.98 -3.56	50.37 1.23 -3.77	45.01 1.25 -3.11	47.20 1.49 -3.73	52.05 1.67 -4.30	104.96 3.47 -10.52	78.12 2.23 -11.97	56.82 1.28 -5.58	67.43 1.45 -7.18	69.51 1.50 -9.23	46.88 0.87 -4.31
SHOEMAKER___GT 23640	29.58 0.49 0.00	29.07 0.45 0.00	25.67 0.37 0.00	24.41 0.33 0.00	25.09 0.32 0.00	30.72 0.36 0.00	61.56 0.62 0.00	57.71 0.63 0.00	46.51 0.51 0.00	44.50 0.88 0.00	39.95 0.86 0.00	39.13 0.87 -0.20	39.73 1.14 -0.03	46.38 1.50 0.00	46.95 1.58 0.00	42.08 1.44 0.00	43.49 1.51 0.00	47.85 1.77 0.00	94.65 3.68 0.00	66.33 2.41 0.00	51.19 1.23 0.00	59.76 0.96 0.00	59.53 0.75 0.00	42.13 0.43 0.00
SHOEMAKR_138KV_BK 111 55601	29.58 0.49 0.00	29.07 0.45 0.00	25.66 0.36 0.00	24.40 0.32 0.00	25.09 0.31 0.00	30.70 0.35 0.00	61.54 0.61 0.00	57.70 0.62 0.00	46.49 0.49 0.00	44.49 0.87 0.00	39.95 0.86 0.00	39.15 0.89 -0.20	39.77 1.18 -0.03	46.41 1.52 0.00	46.97 1.60 0.00	42.10 1.46 0.00	43.50 1.52 0.00	47.87 1.80 0.00	94.67 3.70 0.00	66.33 2.40 0.00	51.18 1.22 0.00	59.74 0.95 0.00	59.50 0.72 0.00	42.11 0.42 0.00
SHOREHAM_IC_1 23715	29.36 0.27 0.00	28.85 0.23 0.00	25.36 0.06 0.00	24.07 -0.02 0.00	24.76 -0.02 0.00	30.10 -0.25 0.00	45.83 -1.06 14.05	27.63 -0.84 28.61	42.94 -0.52 2.54	43.79 0.17 0.00	39.51 0.42 0.00	38.50 0.40 -0.04	36.47 0.80 2.88	34.37 0.78 11.29	45.25 1.12 1.24	42.44 1.05 -0.74	42.85 1.04 0.17	30.59 1.21 16.69	20.96 2.33 72.34	22.46 1.61 43.08	50.15 0.36 0.17	56.80 -0.30 1.69	45.08 -0.85 12.85	40.09 -0.51 1.10
SHOREHAM_IC_2 23716	29.36 0.27 0.00	28.85 0.22 0.00	25.36 0.05 0.00	24.07 -0.02 0.00	24.76 -0.02 0.00	30.10 -0.25 0.00	45.85 -1.04 14.05	27.70 -0.77 28.61	42.93 -0.53 2.54	43.80 0.18 0.00	39.48 0.39 0.00	38.49 0.39 -0.04	36.47 0.80 2.88	34.39 1.12 11.29	45.25 1.12 1.24	42.43 1.05 -0.74	42.85 1.04 0.17	30.60 1.21 16.69	21.00 2.37 72.34	22.47 1.63 43.08	50.14 0.34 0.17	56.80 -0.30 1.69	45.11 -0.82 12.85	40.09 -0.50 1.10
SISSONVILLE___ 23735	30.26 0.98 -0.18	29.67 0.94 -0.11	26.17 0.85 -0.02	24.84 0.76 0.00	25.68 0.85 -0.05	31.76 1.13 -0.28	64.92 2.77 -1.21	61.66 2.82 -1.75	49.71 2.38 -1.33	65.10 1.88 -19.60	47.68 1.24 -7.35	39.47 0.86 -0.55	39.50 0.53 -0.42	45.80 0.36 -0.56	46.22 0.26 -0.59	41.22 0.10 -0.49	42.47 -0.09 -0.58	46.30 -0.45 -0.67	92.08 -0.53 -1.64	65.82 0.03 -1.87	51.78 0.94 -0.87	61.82 1.91 -1.12	62.55 2.34 -1.44	44.09 1.72 -0.67
SITHE_IND_GS1 24169	21.01 -0.86 7.22	23.47 -0.86 4.29	23.53 -0.77 1.01	23.24 -0.70 0.14	22.10 -0.72 1.97	18.56 -0.83 10.96	14.35 -1.62 44.97	-5.03 -1.49 60.62	-1.81 -1.13 46.68	-11.18 -0.87 53.93	10.95 -0.78 27.36	15.00 -0.76 22.30	20.84 -0.84 16.87	21.70 -1.02 22.16	20.91 -0.98 23.47	20.42 -0.87 19.35	17.87 -0.86 23.24	18.37 -0.95 26.76	23.75 -1.74 65.48	-11.85 -1.28 74.49	14.02 -1.23 34.72	12.66 -1.49 44.65	-0.17 -1.49 57.47	13.80 -1.09 26.81
SITHE_IND_GS2 24170	21.01 -0.86 7.22	23.47 -0.86 4.29	23.53 -0.77 1.01	23.24 -0.70 0.14	22.10 -0.72 1.97	18.56 -0.83 10.96	14.35 -1.62 44.97	-5.03 -1.49 60.62	-1.81 -1.13 46.68	-11.18 -0.87 53.93	10.95 -0.78 27.36	15.00 -0.76 22.30	20.84 -0.84 16.87	21.70 -1.02 22.16	20.91 -0.98 23.47	20.42 -0.87 19.35	17.87 -0.86 23.24	18.37 -0.95 26.76	23.75 -1.74 65.48	-11.85 -1.28 74.49	14.02 -1.23 34.72	12.66 -1.49 44.65	-0.17 -1.49 57.47	13.80 -1.09 26.81
SITHE_IND_GS3 24171	21.01 -0.86 7.22	23.47 -0.86 4.29	23.53 -0.77 1.01	23.24 -0.70 0.14	22.10 -0.72 1.97	18.56 -0.83 10.96	14.35 -1.62 44.97	-5.03 -1.49 60.62	-1.81 -1.13 46.68	-11.18 -0.87 53.93	10.95 -0.78 27.36	15.00 -0.76 22.30	20.84 -0.84 16.87	21.70 -1.02 22.16	20.91 -0.98 23.47	20.42 -0.87 19.35	17.87 -0.86 23.24	18.37 -0.95 26.76	23.75 -1.74 65.48	-11.85 -1.28 74.49	14.02 -1.23 34.72	12.66 -1.49 44.65	-0.17 -1.49 57.47	13.80 -1.09 26.81
SITHE_IND_GS4 24172	21.01 -0.86 7.22	23.47 -0.86 4.29	23.53 -0.77 1.01	23.24 -0.70 0.14	22.10 -0.72 1.97	18.56 -0.83 10.96	14.35 -1.62 44.97	-5.03 -1.49 60.62	-1.81 -1.13 46.68	-11.18 -0.87 53.93	10.95 -0.78 27.36	15.00 -0.76 22.30	20.84 -0.84 16.87	21.70 -1.02 22.16	20.91 -0.98 23.47	20.42 -0.87 19.35	17.87 -0.86 23.24	18.37 -0.95 26.76	23.75 -1.74 65.48	-11.85 -1.28 74.49	14.02 -1.23 34.72	12.66 -1.49 44.65	-0.17 -1.49 57.47	13.80 -1.09 26.81



SITHE___BATAVIA 24024	30.53 0.91 -0.53	29.63 0.70 -0.31	26.01 0.63 -0.08	24.96 0.87 -0.01	25.77 0.85 -0.14	32.38 1.23 -0.80	66.52 2.28 -3.31	63.87 2.35 -4.44	51.85 2.41 -3.44	50.83 3.23 -3.98	44.01 2.90 -2.02	42.60 2.90 -1.64	42.38 2.59 -1.23	49.07 2.56 -1.62	50.17 3.08 -1.72	44.59 2.53 -1.42	45.86 2.19 -1.70	50.35 2.31 -1.96	101.56 5.80 -4.79	73.20 3.82 -5.45	54.48 1.98 -2.54	64.84 2.78 -3.27	65.84 2.85 -4.21	45.95 2.29 -1.96
SITHE___INDEPEND 23800	21.01 -0.86 7.22	23.47 -0.86 4.29	23.53 -0.77 1.01	23.25 -0.69 0.14	22.10 -0.71 1.97	18.56 -0.84 10.96	14.35 -1.62 44.97	-5.03 -1.49 60.62	-1.81 -1.13 46.68	-11.18 -0.87 53.93	10.95 -0.78 27.36	15.00 -0.76 22.30	20.84 -0.84 16.87	21.70 -1.02 22.16	20.91 -0.98 23.47	20.41 -0.87 19.35	17.87 -0.86 23.24	18.37 -0.95 26.76	23.75 -1.74 65.48	-11.85 -1.29 74.49	14.02 -1.23 34.72	12.66 -1.49 44.65	-0.19 -1.50 57.47	13.80 -1.09 26.81
SITHE___MASSENA 23902	29.78 0.69 0.00	29.26 0.64 0.00	25.88 0.58 0.00	24.62 0.54 0.00	25.37 0.59 0.00	31.10 0.75 0.00	62.49 1.56 0.00	58.52 1.44 0.00	47.24 1.25 0.00	75.10 0.72 -30.76	49.74 0.53 -10.11	38.45 0.40 0.00	38.72 0.17 0.00	44.94 0.05 0.00	45.36 0.00 0.00	40.55 -0.09 0.00	41.74 -0.23 0.00	45.63 -0.45 0.00	90.26 -0.71 0.00	63.64 -0.29 0.00	50.53 0.57 0.00	60.03 1.23 0.00	60.32 1.54 0.00	42.86 1.17 0.00
SITHE___OGDNSBRG 24021	30.42 1.33 0.00	29.89 1.27 0.00	26.42 1.12 0.00	25.13 1.05 0.00	25.93 1.15 0.00	31.85 1.50 0.00	64.81 3.35 -0.52	61.63 3.24 -1.32	49.73 2.74 -1.00	69.87 2.10 -24.15	48.81 1.52 -8.20	39.26 1.21 0.00	39.35 0.79 0.00	45.45 0.57 0.00	45.97 0.60 0.00	40.89 0.25 0.00	41.99 0.01 0.00	45.87 -0.21 0.00	91.74 0.77 0.00	65.03 1.10 0.00	51.71 1.74 0.00	61.51 2.71 0.00	61.78 3.01 0.00	43.85 2.16 0.00
SITHE___STERLING 23777	30.12 0.56 -0.47	29.47 0.56 -0.28	25.85 0.48 -0.07	24.57 0.48 -0.01	25.43 0.52 -0.13	31.85 0.79 -0.71	65.65 2.11 -2.60	62.99 2.24 -3.66	50.39 1.82 -2.58	49.62 1.86 -4.14	42.70 1.68 -1.93	40.87 1.60 -1.22	41.01 1.44 -1.01	47.91 1.69 -1.33	48.39 1.61 -1.41	43.25 1.45 -1.17	45.05 1.68 -1.40	49.58 1.90 -1.61	99.16 4.25 -3.94	71.45 3.05 -4.48	54.12 2.07 -2.09	63.72 2.24 -2.68	64.31 2.08 -3.45	44.62 1.32 -1.61
SLEIGHT__34_KV_TB1 80719	29.72 -0.04 -0.67	28.89 -0.12 -0.40	25.28 -0.12 -0.09	24.10 0.01 -0.01	24.96 -0.01 -0.18	31.51 0.14 -1.01	65.56 0.43 -4.19	63.24 0.53 -5.63	51.05 0.69 -4.37	49.82 1.15 -5.05	42.72 1.06 -2.56	41.20 1.06 -2.09	40.96 0.84 -1.57	47.67 0.72 -2.06	48.55 1.00 -2.18	43.27 0.83 -1.80	45.07 0.94 -2.16	49.59 1.03 -2.49	99.54 2.49 -6.08	72.40 1.56 -6.92	53.81 0.63 -3.22	63.73 0.79 -4.15	64.85 0.74 -5.34	44.67 0.48 -2.49
SMITHTWN_69_KV_BK 1 55830	29.81 0.72 0.00	29.29 0.67 0.00	25.75 0.45 0.00	24.45 0.37 0.00	25.15 0.38 0.00	30.58 0.23 0.00	46.83 -0.13 13.98	28.69 0.07 28.47	43.66 0.19 2.53	44.55 0.93 0.00	40.16 1.07 0.00	39.51 1.18 -0.28	40.89 1.67 -0.67	42.22 1.81 4.48	47.80 2.17 -0.26	43.25 1.87 -0.74	43.62 1.81 0.16	31.44 1.96 16.61	22.83 3.84 71.97	23.63 2.57 42.86	51.00 1.20 0.17	57.87 0.76 1.69	46.24 0.25 12.79	40.84 0.24 1.09
SOUTH CAIRO___GT 23612	29.75 0.66 0.00	29.27 0.65 0.00	25.86 0.56 0.00	24.59 0.52 0.00	25.30 0.52 0.00	30.98 0.63 0.00	62.20 1.27 0.00	58.14 1.06 0.00	46.54 0.54 0.00	43.97 0.35 0.00	39.58 0.49 0.00	38.53 0.56 0.08	39.04 0.50 0.01	45.42 0.53 0.00	45.75 0.38 0.00	41.09 0.45 0.00	42.78 0.80 0.00	47.05 0.98 0.00	92.74 1.77 0.00	65.29 1.37 0.00	50.74 0.78 0.00	59.21 0.42 0.00	58.92 0.14 0.00	41.83 0.13 0.00
SOUTH HAMPTN___IC 23720	29.80 0.70 0.00	29.26 0.64 0.00	25.70 0.40 0.00	24.42 0.34 0.00	25.11 0.33 0.00	30.52 0.17 0.00	46.64 -0.22 14.07	28.33 -0.10 28.65	43.48 0.03 2.54	44.32 0.70 0.00	40.03 0.94 0.18	38.73 0.85 6.18	33.53 1.16 17.58	28.42 1.11 2.63	44.17 1.43 2.63	42.73 1.34 -0.74	43.13 1.33 0.17	30.90 1.54 16.72	21.44 2.92 72.45	22.78 2.00 43.14	50.45 0.65 0.17	57.23 0.13 1.70	45.51 -0.40 12.87	40.39 -0.20 1.10
SOUTHDOW_115KV_TB1 355954	30.11 0.47 -0.55	29.38 0.43 -0.33	25.79 0.41 -0.08	24.81 0.72 -0.01	25.69 0.76 -0.15	32.35 1.16 -0.84	66.55 2.15 -3.47	64.56 2.83 -4.65	52.51 2.91 -3.60	51.84 4.05 -4.16	44.79 3.59 -2.11	43.56 3.78 -1.72	42.89 3.04 -1.30	49.42 2.83 -1.70	50.50 3.32 -1.81	44.79 2.66 -1.49	46.43 2.67 -1.79	50.75 2.60 -2.06	101.93 5.92 -5.03	73.06 3.41 -5.73	54.32 1.69 -2.67	64.90 2.68 -3.43	66.36 3.17 -4.42	45.89 2.13 -2.06
SOUTHOLD_69_KV_BK 2 55809	30.22 1.13 0.00	29.64 1.02 0.00	26.02 0.72 0.00	24.75 0.67 0.00	25.42 0.65 0.00	30.87 0.51 0.00	47.39 0.52 14.07	28.94 0.51 28.65	43.85 0.40 2.54	44.63 1.01 0.00	40.27 1.17 0.00	38.94 1.07 0.19	33.34 1.12 6.33	27.96 0.92 17.85	43.85 1.18 2.69	42.56 1.18 -0.74	43.01 1.20 0.17	30.80 1.43 16.71	21.19 2.66 72.44	22.58 1.80 43.14	50.26 0.47 0.17	57.22 0.12 1.70	45.55 -0.36 12.87	40.38 -0.22 1.10
SOUTHOLD___IC 23719	30.22 1.12 0.00	29.64 1.02 0.00	26.02 0.72 0.00	24.75 0.67 0.00	25.42 0.65 0.00	30.87 0.51 0.00	47.38 0.51 14.07	28.91 0.48 28.65	43.86 0.40 2.54	44.62 1.00 0.00	40.31 1.21 0.00	38.94 1.07 0.19	33.34 1.12 6.33	27.93 0.90 17.85	43.85 1.18 2.69	42.56 1.18 -0.74	43.00 1.20 0.17	30.80 1.43 16.71	21.16 2.63 72.44	22.56 1.78 43.14	50.27 0.48 0.17	57.23 0.12 1.70	45.53 -0.38 12.87	40.36 -0.23 1.10
SOUTH_FORK_WT_PWR 323839	30.25 1.15 0.00	29.66 1.04 0.00	26.02 0.72 0.00	24.77 0.69 0.00	25.41 0.63 0.00	30.82 0.47 0.00	47.25 0.38 14.07	28.69 0.26 28.65	43.59 0.13 2.54	44.30 0.68 0.00	40.02 0.93 0.00	38.63 0.76 0.18	32.96 0.65 6.25	27.38 0.19 17.70	43.12 0.41 2.66	41.88 0.49 -0.74	42.30 0.49 0.17	30.03 0.67 16.72	19.60 1.08 72.45	21.49 0.71 43.14	49.47 -0.33 0.17	56.44 -0.66 1.70	44.81 -1.10 12.87	39.89 -0.71 1.10
SPIERFLS_115KV_TB 1 80737	29.98 0.89 0.00	29.54 0.92 0.00	26.13 0.83 0.00	24.83 0.75 0.00	25.50 0.72 0.00	31.09 0.73 0.00	62.45 1.51 0.00	58.40 1.31 0.00	46.89 0.89 0.00	44.77 1.15 0.00	40.13 1.04 0.00	38.80 0.98 0.23	39.72 1.21 0.04	46.50 1.62 0.00	46.77 1.41 0.00	41.80 1.16 0.00	43.29 1.31 0.00	47.70 1.62 0.00	94.37 3.40 0.00	66.51 2.58 0.00	51.80 1.83 0.00	60.50 1.70 0.00	59.93 1.15 0.00	42.57 0.87 0.00
ST LAWRENCE____ 23600	29.38 0.29 0.00	28.87 0.25 0.00	25.54 0.23 0.00	24.29 0.21 0.00	25.01 0.24 0.00	30.63 0.28 0.00	61.49 0.55 0.00	57.59 0.51 0.00	46.46 0.47 0.00	41.61 0.00 2.01	38.24 -0.07 0.77	37.91 -0.14 0.00	38.25 -0.30 0.00	44.44 -0.44 0.00	44.86 -0.51 0.00	40.14 -0.50 0.00	41.36 -0.61 0.00	45.36 -0.72 0.00	89.54 -1.43 0.00	63.05 -0.87 0.00	49.90 -0.06 0.00	59.16 0.37 0.00	59.39 0.61 0.00	42.20 0.51 0.00



STATE_CA_115KV_115_LB 55624	29.09 -0.01 0.00	28.63 0.01 0.00	25.30 0.01 0.00	24.06 -0.02 0.00	24.77 -0.02 0.00	30.27 -0.09 0.00	60.65 -0.28 0.00	56.70 -0.39 0.00	45.65 -0.35 0.00	43.45 -0.17 0.00	38.99 -0.11 0.00	37.76 -0.09 0.20	38.62 0.10 0.03	45.11 0.22 0.00	45.50 0.13 0.00	40.83 0.19 0.00	42.16 0.19 0.00	46.32 0.24 0.00	91.15 0.18 0.00	64.13 0.20 0.00	49.84 -0.12 0.00	58.19 -0.60 0.00	57.97 -0.81 0.00	41.25 -0.45 0.00
STATE_ST_34_KV_LOAD 55959	30.39 0.12 -1.18	29.40 0.07 -0.70	25.51 0.05 -0.16	24.22 0.12 -0.02	25.24 0.14 -0.32	32.43 0.28 -1.80	68.99 0.62 -7.43	67.73 0.66 -9.99	54.37 0.64 -7.73	53.51 0.95 -8.94	44.50 0.79 -4.62	42.54 0.79 -3.69	41.98 0.65 -2.78	49.11 0.57 -3.65	49.93 0.70 -3.87	44.51 0.68 -3.19	46.65 0.85 -3.83	51.60 1.12 -4.41	104.26 2.51 -10.78	77.80 1.61 -12.26	56.53 0.85 -5.72	67.10 0.95 -7.35	69.25 1.01 -9.46	46.73 0.62 -4.42
STATION_5_MISC_HYD 23604	29.91 0.31 -0.51	29.10 0.18 -0.30	25.53 0.16 -0.07	24.40 0.31 -0.01	25.21 0.30 -0.14	31.63 0.51 -0.77	65.15 1.02 -3.19	62.44 1.07 -4.29	50.55 1.23 -3.33	49.30 1.84 -3.84	42.79 1.75 -1.95	41.43 1.79 -1.59	41.26 1.52 -1.19	47.95 1.50 -1.57	48.83 1.80 -1.66	43.49 1.48 -1.37	45.07 1.45 -1.64	49.50 1.53 -1.89	99.07 3.47 -4.63	71.28 2.09 -5.26	53.35 0.93 -2.45	63.25 1.30 -3.16	64.15 1.31 -4.06	44.61 1.01 -1.90
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	30.73 0.69 -0.95	29.78 0.60 -0.57	25.94 0.50 -0.13	24.73 0.63 -0.02	25.72 0.68 -0.26	32.83 1.03 -1.45	68.92 1.99 -5.98	67.14 2.00 -8.05	54.09 1.86 -6.23	53.20 2.38 -7.20	44.84 2.10 -3.66	43.14 2.11 -2.98	42.68 1.89 -2.24	49.66 1.84 -2.94	50.63 2.15 -3.11	45.27 2.06 -2.57	47.46 2.40 -3.08	52.36 2.73 -3.55	104.76 5.11 -8.69	77.03 3.23 -9.88	56.95 2.39 -4.61	67.58 2.86 -5.92	69.24 2.83 -7.62	47.08 1.83 -3.56
STA_56_34_KV_BUS2_REV_LBMP_B 345033	29.70 0.10 -0.51	28.90 -0.03 -0.30	25.36 -0.02 -0.07	24.22 0.14 -0.01	25.03 0.11 -0.14	31.40 0.28 -0.77	64.73 0.59 -3.21	62.05 0.66 -4.31	50.25 0.91 -3.35	48.97 1.49 -3.87	42.50 1.45 -1.96	41.13 1.48 -1.60	40.98 1.23 -1.20	47.64 1.18 -1.58	48.51 1.47 -1.67	43.22 1.20 -1.38	44.79 1.16 -1.65	49.22 1.24 -1.90	98.51 2.89 -4.66	70.90 1.68 -5.29	53.07 0.64 -2.47	62.89 0.92 -3.17	63.77 0.90 -4.09	44.29 0.69 -1.91
STA_56___34_KV_BUS2 355983	29.70 0.10 -0.51	28.90 -0.03 -0.30	25.36 -0.02 -0.07	24.22 0.14 -0.01	25.03 0.11 -0.14	31.40 0.28 -0.77	64.73 0.59 -3.21	62.05 0.66 -4.31	50.25 0.91 -3.35	48.97 1.49 -3.87	42.50 1.45 -1.96	41.13 1.48 -1.60	40.98 1.23 -1.20	47.64 1.18 -1.58	48.51 1.47 -1.67	43.22 1.20 -1.38	44.79 1.16 -1.65	49.22 1.24 -1.90	98.51 2.89 -4.66	70.90 1.68 -5.29	53.07 0.64 -2.47	62.89 0.92 -3.17	63.77 0.90 -4.09	44.29 0.69 -1.91
STA_67___115KV_BK2 355882	29.83 0.23 -0.51	29.03 0.11 -0.30	25.48 0.10 -0.07	24.35 0.26 -0.01	25.16 0.24 -0.14	31.56 0.44 -0.77	64.99 0.87 -3.18	62.28 0.92 -4.27	50.42 1.10 -3.31	49.18 1.73 -3.83	42.69 1.65 -1.94	41.32 1.68 -1.58	41.15 1.41 -1.19	47.81 1.37 -1.56	48.69 1.67 -1.65	43.36 1.36 -1.37	44.94 1.33 -1.64	49.35 1.39 -1.89	98.80 3.22 -4.61	71.07 1.90 -5.25	53.20 0.79 -2.45	63.09 1.15 -3.15	64.01 1.18 -4.05	44.51 0.92 -1.89
STA_7___115KV_9TRANS 80674	30.05 0.45 -0.51	29.23 0.31 -0.30	25.65 0.28 -0.07	24.51 0.42 -0.01	25.32 0.41 -0.14	31.77 0.65 -0.77	65.45 1.32 -3.19	62.72 1.35 -4.29	50.79 1.47 -3.33	49.54 2.08 -3.84	43.03 1.99 -1.95	41.64 2.00 -1.59	41.47 1.73 -1.19	48.22 1.77 -1.57	49.12 2.09 -1.66	43.74 1.72 -1.37	45.34 1.72 -1.64	49.81 1.84 -1.89	99.68 4.08 -4.63	71.65 2.46 -5.26	53.64 1.22 -2.45	63.58 1.63 -3.16	64.45 1.61 -4.06	44.81 1.22 -1.90
STA_82___115KV_TB1 80780	29.86 0.25 -0.51	29.05 0.12 -0.31	25.49 0.11 -0.07	24.36 0.27 -0.01	25.17 0.25 -0.14	31.58 0.45 -0.78	65.10 0.92 -3.24	62.39 0.95 -4.35	50.52 1.15 -3.38	49.26 1.74 -3.91	42.75 1.68 -1.98	41.36 1.70 -1.61	41.19 1.42 -1.21	47.87 1.39 -1.59	48.75 1.70 -1.69	43.41 1.37 -1.39	44.98 1.34 -1.67	49.41 1.40 -1.92	98.95 3.28 -4.71	71.22 1.94 -5.35	53.29 0.83 -2.49	63.19 1.19 -3.21	64.12 1.21 -4.13	44.57 0.95 -1.93
STEEL___WIND 323596	29.78 0.14 -0.54	28.92 -0.02 -0.32	25.40 0.02 -0.08	24.46 0.37 -0.01	25.27 0.34 -0.15	31.78 0.60 -0.82	65.10 0.76 -3.41	62.39 0.73 -4.57	50.77 1.23 -3.54	50.14 2.42 -4.09	43.45 2.28 -2.08	42.28 2.53 -1.69	41.80 1.98 -1.27	48.25 1.69 -1.67	49.35 2.21 -1.77	43.90 1.80 -1.46	45.40 1.67 -1.76	49.58 1.47 -2.02	99.41 3.49 -4.95	71.34 1.79 -5.63	52.98 0.39 -2.62	63.44 1.27 -3.38	64.76 1.64 -4.34	45.22 1.49 -2.03
STEPHTWN_115KV_BK_2 55603	29.17 0.08 0.00	28.72 0.10 0.00	25.38 0.08 0.00	24.13 0.05 0.00	24.85 0.07 0.00	30.42 0.07 0.00	60.90 -0.04 0.00	56.87 -0.22 0.00	45.74 -0.26 0.00	43.51 -0.11 0.00	39.02 -0.07 0.00	37.88 0.02 0.19	38.71 0.19 0.03	45.05 0.16 0.00	45.58 0.21 0.00	40.84 0.20 0.00	42.26 0.29 0.00	46.42 0.35 0.00	91.47 0.50 0.00	64.36 0.44 0.00	50.05 0.09 0.00	58.36 -0.43 0.00	58.13 -0.65 0.00	41.20 -0.49 0.00
STEBEN_REC_LFGE 323667	29.82 0.01 -0.71	29.21 0.16 -0.43	25.62 0.22 -0.10	24.63 0.53 -0.01	25.65 0.67 -0.19	32.54 1.10 -1.09	67.53 2.07 -4.52	64.84 1.68 -6.09	52.47 1.76 -4.71	51.60 2.54 -5.45	44.02 2.17 -2.76	42.62 2.32 -2.25	42.14 1.89 -1.69	48.66 1.55 -2.22	49.74 2.03 -2.35	44.54 1.96 -1.94	46.35 2.05 -2.33	50.53 1.77 -2.68	102.38 4.85 -6.55	74.35 2.97 -7.45	55.02 1.58 -3.47	65.56 2.30 -4.47	67.09 2.56 -5.75	46.08 1.70 -2.68
STILLWATER___SOLAR 323814	29.94 0.84 0.00	29.50 0.87 0.00	26.07 0.77 0.00	24.79 0.71 0.00	25.49 0.71 0.00	31.16 0.80 0.00	62.57 1.63 0.00	58.45 1.36 0.00	46.98 0.98 0.00	44.85 1.23 0.00	40.21 1.11 0.00	38.85 1.05 0.26	39.74 1.24 0.04	46.50 1.61 0.00	46.83 1.46 0.00	41.94 1.30 0.00	43.40 1.43 0.00	47.75 1.67 0.00	94.29 3.32 0.00	66.38 2.46 0.00	51.68 1.72 0.00	60.36 1.56 0.00	59.99 1.21 0.00	42.61 0.92 0.00
STONY___BROOK 24151	29.75 0.66 0.00	29.23 0.61 0.00	25.70 0.39 0.00	24.40 0.32 0.00	25.11 0.33 0.00	30.52 0.17 0.00	46.69 -0.24 14.01	28.51 -0.05 28.53	43.58 0.12 2.53	44.45 0.83 0.00	40.12 1.03 0.00	39.40 1.08 -0.27	40.60 1.55 -0.50	41.71 1.65 4.83	47.56 2.00 -0.19	43.03 1.65 -0.74	43.36 1.55 0.16	31.11 1.67 16.64	22.07 3.22 72.12	23.13 2.15 42.94	50.73 0.93 0.17	57.62 0.51 1.69	45.96 -0.01 12.81	40.71 0.11 1.10
STURGEON_POOL_HYD 23609	29.72 0.62 0.00	29.21 0.59 0.00	25.78 0.48 0.00	24.51 0.43 0.00	25.18 0.41 0.00	30.83 0.47 0.00	61.73 0.79 0.00	57.94 0.86 0.00	46.74 0.74 0.00	44.78 1.16 0.10	40.20 1.11 0.00	39.37 1.18 -0.14	40.12 1.54 -0.02	46.91 2.02 0.00	47.48 2.11 0.00	42.55 1.91 0.00	43.96 1.98 0.00	48.40 2.32 0.00	95.57 4.60 0.00	66.99 3.06 0.00	51.62 1.66 0.00	60.20 1.40 0.00	59.92 1.14 0.00	42.38 0.69 0.00



ST_LAW_115_BK7_LBMP 345037	29.39 0.30 0.00	28.89 0.27 0.00	25.55 0.25 0.00	24.29 0.21 0.00	25.03 0.25 0.00	30.65 0.30 0.00	61.55 0.61 0.00	57.64 0.56 0.00	46.51 0.52 0.00	40.91 0.03 2.74	38.01 -0.07 1.01	37.90 -0.16 0.00	38.23 -0.33 0.00	44.42 -0.47 0.00	44.83 -0.54 0.00	40.11 -0.53 0.00	41.32 -0.66 0.00	45.28 -0.80 0.00	89.41 -1.56 0.00	62.98 -0.95 0.00	49.91 -0.06 0.00	59.22 0.42 0.00	59.45 0.67 0.00	42.24 0.55 0.00
ST_LAW_115_BK8_LBMP 345038	29.39 0.30 0.00	28.89 0.27 0.00	25.55 0.25 0.00	24.29 0.21 0.00	25.03 0.25 0.00	30.65 0.30 0.00	61.55 0.61 0.00	57.64 0.56 0.00	46.51 0.52 0.00	40.91 0.03 2.74	38.01 -0.07 1.01	37.90 -0.16 0.00	38.23 -0.33 0.00	44.42 -0.47 0.00	44.83 -0.54 0.00	40.11 -0.53 0.00	41.32 -0.66 0.00	45.28 -0.80 0.00	89.41 -1.56 0.00	62.98 -0.95 0.00	49.91 -0.06 0.00	59.22 0.42 0.00	59.45 0.67 0.00	42.24 0.55 0.00
ST_LAW_230_BK5_LBMP 345035	29.38 0.29 0.00	28.87 0.25 0.00	25.54 0.23 0.00	24.29 0.21 0.00	25.01 0.24 0.00	30.63 0.28 0.00	61.49 0.55 0.00	57.59 0.51 0.00	46.46 0.47 0.00	42.02 0.00 1.60	38.43 -0.07 0.59	37.91 -0.14 0.00	38.25 -0.30 0.00	44.44 -0.44 0.00	44.86 -0.51 0.00	40.14 -0.50 0.00	41.36 -0.61 0.00	45.36 -0.72 0.00	89.54 -1.43 0.00	63.05 -0.87 0.00	49.90 -0.06 0.00	59.16 0.37 0.00	59.39 0.61 0.00	42.20 0.51 0.00
ST_LAW_230_BK6_LBMP 345036	29.38 0.29 0.00	28.87 0.25 0.00	25.54 0.23 0.00	24.29 0.21 0.00	25.01 0.24 0.00	30.63 0.28 0.00	61.49 0.55 0.00	57.59 0.51 0.00	46.46 0.47 0.00	42.02 0.00 1.60	38.43 -0.07 0.59	37.91 -0.14 0.00	38.25 -0.30 0.00	44.44 -0.44 0.00	44.86 -0.51 0.00	40.14 -0.50 0.00	41.36 -0.61 0.00	45.36 -0.72 0.00	89.54 -1.43 0.00	63.05 -0.87 0.00	49.90 -0.06 0.00	59.16 0.37 0.00	59.39 0.61 0.00	42.20 0.51 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.69 0.60 0.00	29.16 0.54 0.00	25.73 0.43 0.00	24.46 0.38 0.00	25.16 0.38 0.00	30.80 0.44 0.00	61.71 0.77 0.00	57.87 0.79 0.00	46.62 0.63 0.00	44.67 1.05 0.00	40.15 1.06 0.00	39.39 1.13 -0.21	40.03 1.44 -0.04	46.72 1.84 0.00	47.32 1.95 0.00	42.39 1.75 0.00	43.81 1.84 0.00	48.21 2.13 0.00	95.38 4.41 0.00	66.77 2.85 0.00	51.42 1.46 0.00	59.96 1.17 0.00	59.69 0.91 0.00	42.25 0.55 0.00
SWANROAD_115KV_TB1 355699	29.22 -0.41 -0.53	28.34 -0.60 -0.31	24.91 -0.46 -0.08	23.99 -0.10 -0.01	24.76 -0.17 -0.14	31.10 -0.06 -0.80	63.40 -0.87 -3.33	60.67 -0.88 -4.46	49.44 -0.02 -3.46	48.89 1.26 -4.00	42.44 1.32 -2.03	41.21 1.50 -1.65	40.84 1.04 -1.24	47.08 0.56 -1.63	48.15 1.05 -1.73	42.77 0.70 -1.43	44.11 0.42 -1.71	48.16 0.10 -1.98	96.38 0.58 -4.83	69.22 -0.20 -5.49	51.42 -1.10 -2.56	61.62 -0.47 -3.29	62.94 -0.08 -4.24	44.24 0.56 -1.98
SYNERGY___BIOGAS 323694	30.54 0.92 -0.53	29.64 0.71 -0.31	26.01 0.64 -0.08	24.96 0.87 -0.01	25.77 0.85 -0.14	32.38 1.23 -0.80	66.55 2.31 -3.31	63.88 2.36 -4.44	51.85 2.41 -3.44	50.82 3.23 -3.98	44.02 2.91 -2.02	42.60 2.91 -1.64	42.38 2.59 -1.23	49.07 2.56 -1.62	50.17 3.08 -1.72	44.59 2.53 -1.42	45.86 2.19 -1.70	50.34 2.31 -1.96	101.58 5.82 -4.79	73.19 3.81 -5.45	54.50 2.00 -2.54	64.84 2.77 -3.27	65.84 2.85 -4.21	45.95 2.29 -1.96
SYRACUSE___ENERGY_ST1 323597	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.22 0.36 -10.24	44.48 0.26 -5.13	42.34 0.23 -4.06	41.65 0.05 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.32 0.54 -11.81	77.63 0.27 -13.43	56.12 -0.11 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
SYRACUSE___ENERGY_ST2 323598	30.22 -0.17 -1.30	29.20 -0.19 -0.77	25.29 -0.19 -0.18	23.97 -0.13 -0.03	25.00 -0.14 -0.35	32.24 -0.08 -1.97	69.00 -0.08 -8.14	68.06 0.04 -10.94	54.60 0.12 -8.49	54.22 0.36 -10.24	44.48 0.26 -5.13	42.34 0.23 -4.06	41.65 0.05 -3.04	48.78 -0.10 -4.00	49.59 -0.01 -4.24	44.14 0.01 -3.49	46.28 0.12 -4.19	51.05 0.15 -4.83	103.32 0.54 -11.81	77.63 0.27 -13.43	56.12 -0.11 -6.26	66.73 -0.12 -8.05	69.15 0.01 -10.36	46.54 0.01 -4.84
SYRACUSE___POWER 24017	29.92 -0.16 -0.99	29.03 -0.18 -0.59	25.26 -0.18 -0.14	23.97 -0.13 -0.02	24.91 -0.14 -0.27	31.78 -0.08 -1.50	67.12 -0.07 -6.25	65.62 0.22 -8.32	52.92 0.30 -6.63	52.35 0.59 -8.14	43.59 0.43 -4.06	41.65 0.43 -3.17	41.22 0.35 -2.31	48.22 0.30 -3.04	48.97 0.39 -3.22	43.67 0.37 -2.65	45.64 0.48 -3.19	50.26 0.51 -3.67	101.23 1.28 -8.98	74.95 0.81 -10.21	55.02 0.30 -4.76	65.20 0.28 -6.12	66.91 0.25 -7.88	45.47 0.10 -3.68
TALLMAN_138KV_BK151 55660	29.86 0.76 0.00	29.30 0.68 0.00	25.83 0.53 0.00	24.55 0.47 0.00	25.26 0.48 0.00	30.93 0.57 0.00	62.05 1.11 0.00	58.21 1.13 0.00	46.88 0.88 0.00	44.91 1.29 0.00	40.41 1.32 0.00	39.71 1.43 -0.22	40.40 1.81 -0.04	47.12 2.24 0.00	47.76 2.40 0.00	42.78 2.13 0.00	44.21 2.23 0.00	48.66 2.58 0.00	96.34 5.37 0.00	67.36 3.43 0.00	51.75 1.79 0.00	60.26 1.47 0.00	59.97 1.19 0.00	42.43 0.73 0.00
TEALLAVE_115KV_TB7 355573	29.68 -0.30 -0.88	28.82 -0.32 -0.53	25.12 -0.30 -0.12	23.85 -0.24 -0.02	24.77 -0.25 -0.24	31.47 -0.23 -1.34	66.16 -0.36 -5.58	64.35 -0.24 -7.50	51.75 -0.07 -5.82	51.12 0.24 -7.26	42.90 0.21 -3.61	41.05 0.22 -2.78	40.77 0.13 -2.09	47.70 0.07 -2.74	48.42 0.14 -2.90	43.17 0.13 -2.39	45.08 0.23 -2.87	49.61 0.22 -3.31	99.73 0.66 -8.10	73.49 0.35 -9.21	54.19 -0.07 -4.29	64.17 -0.14 -5.52	65.70 -0.18 -7.11	44.81 -0.20 -3.32
TELGRAPH_34_KV_EAST 80808	29.92 0.31 -0.53	29.05 0.12 -0.31	25.52 0.15 -0.08	24.51 0.42 -0.01	25.31 0.39 -0.14	31.80 0.64 -0.80	65.12 0.87 -3.31	62.42 0.88 -4.45	50.74 1.30 -3.45	49.97 2.36 -3.99	43.25 2.14 -2.02	41.86 2.16 -1.65	41.66 1.87 -1.24	48.15 1.64 -1.63	49.13 2.04 -1.72	43.71 1.65 -1.42	45.15 1.47 -1.71	49.51 1.46 -1.97	99.35 3.58 -4.81	71.45 2.06 -5.47	53.18 0.67 -2.55	63.46 1.39 -3.28	64.60 1.60 -4.22	45.19 1.52 -1.97
TEMPLE___115KV_TB 2 55572	29.69 -0.29 -0.89	28.84 -0.31 -0.53	25.14 -0.29 -0.12	23.87 -0.23 -0.02	24.78 -0.24 -0.24	31.49 -0.21 -1.35	66.20 -0.33 -5.59	64.42 -0.19 -7.52	51.79 -0.04 -5.84	51.16 0.27 -7.27	42.94 0.23 -3.61	41.09 0.25 -2.79	40.80 0.16 -2.09	47.73 0.10 -2.75	48.47 0.19 -2.91	43.22 0.17 -2.40	45.12 0.26 -2.88	49.65 0.25 -3.32	99.83 0.74 -8.12	73.56 0.40 -9.23	54.21 -0.05 -4.30	64.21 -0.12 -5.54	65.75 -0.15 -7.12	44.83 -0.19 -3.32
TIANA___69_KV_BK 1 55817	29.71 0.61 0.00	29.18 0.55 0.00	25.64 0.33 0.00	24.35 0.27 0.00	25.05 0.27 0.00	30.45 0.10 0.00	46.54 -0.33 14.07	28.28 -0.15 28.65	43.44 -0.02 2.54	44.29 0.68 0.00	39.96 0.86 0.00	38.69 0.82 0.18	33.43 1.18 6.30	28.30 1.22 17.80	44.22 1.53 2.68	42.79 1.41 -0.74	43.21 1.41 0.17	30.99 1.63 16.72	21.68 3.15 72.44	22.95 2.16 43.14	50.55 0.76 0.17	57.33 0.22 1.70	45.60 -0.31 12.87	40.44 -0.16 1.10



TILDEN___115KV_TB1 80814	29.92 -0.16 -0.99	29.03 -0.18 -0.59	25.26 -0.18 -0.14	23.97 -0.13 -0.02	24.91 -0.14 -0.27	31.78 -0.08 -1.50	67.12 -0.07 -6.25	65.62 0.22 -8.32	52.92 0.30 -6.63	52.35 0.59 -8.14	43.59 0.43 -4.06	41.65 0.43 -3.17	41.22 0.35 -2.31	48.22 0.30 -3.04	48.97 0.39 -3.22	43.67 0.37 -2.65	45.64 0.48 -3.19	50.26 0.51 -3.67	101.23 1.28 -8.98	74.95 0.81 -10.21	55.02 0.30 -4.76	65.20 0.28 -6.12	66.91 0.25 -7.88	45.47 0.10 -3.68
TRIGEN___CC 323695	29.90 0.81 0.00	29.37 0.75 0.00	25.85 0.55 0.00	24.55 0.47 0.00	25.26 0.48 0.00	30.77 0.41 0.00	58.44 0.37 2.87	50.50 0.46 7.04	45.85 0.52 0.67	44.75 1.13 0.00	40.38 1.28 0.00	39.68 1.39 -0.24	40.39 1.79 -0.04	54.92 2.21 -7.82	47.81 2.44 0.00	44.11 2.15 -1.32	45.02 2.16 -0.89	45.33 2.40 3.14	81.59 4.64 14.02	59.07 3.06 7.92	51.58 1.66 0.04	59.74 1.26 0.31	57.21 0.79 2.36	41.98 0.50 0.21
TRINITY__115KV__4 BK 55933	28.95 -0.15 0.00	28.51 -0.11 0.00	25.20 -0.10 0.00	23.96 -0.12 0.00	24.66 -0.12 0.00	30.13 -0.22 0.00	60.32 -0.62 0.00	56.38 -0.70 0.00	45.38 -0.61 0.00	43.18 -0.44 0.00	38.73 -0.36 0.00	37.53 -0.33 0.19	38.39 -0.13 0.03	44.84 -0.04 0.00	45.22 -0.14 0.00	40.56 -0.08 0.00	41.89 -0.09 0.00	46.01 -0.07 0.00	90.52 -0.45 0.00	63.70 -0.22 0.00	49.53 -0.43 0.00	57.82 -0.98 0.00	57.62 -1.16 0.00	41.01 -0.69 0.00
UNION___PROCESSING_DRP 323587	29.87 0.26 -0.52	29.06 0.13 -0.31	25.49 0.12 -0.07	24.36 0.28 -0.01	25.18 0.26 -0.14	31.61 0.46 -0.79	65.14 0.93 -3.27	62.45 0.97 -4.39	50.55 1.15 -3.41	49.31 1.75 -3.94	42.77 1.68 -2.00	41.39 1.71 -1.63	41.20 1.43 -1.22	47.90 1.41 -1.60	48.77 1.71 -1.70	43.44 1.40 -1.40	45.01 1.36 -1.68	49.45 1.43 -1.94	99.02 3.31 -4.74	71.28 1.97 -5.39	53.32 0.85 -2.51	63.24 1.22 -3.23	64.18 1.23 -4.16	44.60 0.97 -1.94
UPPER HUDSON___HYD 24058	29.98 0.89 0.00	29.54 0.92 0.00	26.13 0.83 0.00	24.83 0.75 0.00	25.50 0.72 0.00	31.09 0.73 0.00	62.45 1.51 0.00	58.39 1.31 0.00	46.89 0.89 0.00	44.76 1.14 0.00	40.13 1.04 0.00	38.80 0.98 0.23	39.73 1.21 0.04	46.50 1.62 0.00	46.77 1.41 0.00	41.80 1.16 0.00	43.29 1.31 0.00	47.70 1.62 0.00	94.37 3.40 0.00	66.51 2.58 0.00	51.80 1.83 0.00	60.49 1.69 0.00	59.92 1.14 0.00	42.57 0.87 0.00
UPPER RAQUET___HYD 24056	30.26 0.98 -0.18	29.67 0.94 -0.11	26.17 0.85 -0.02	24.84 0.76 0.00	25.68 0.85 -0.05	31.76 1.13 -0.28	64.92 2.77 -1.21	61.66 2.82 -1.75	49.71 2.38 -1.33	65.10 1.87 -19.60	47.68 1.24 -7.35	39.47 0.86 -0.55	39.50 0.53 -0.42	45.80 0.36 -0.56	46.22 0.26 -0.59	41.22 0.10 -0.49	42.47 -0.08 -0.58	46.30 -0.45 -0.67	92.11 -0.50 -1.64	65.82 0.03 -1.87	51.78 0.94 -0.87	61.82 1.91 -1.12	62.55 2.33 -1.44	44.09 1.72 -0.67
VALLEY44_115KV_TB2 355964	29.57 -0.08 -0.55	28.76 -0.19 -0.33	25.25 -0.13 -0.08	24.26 0.18 -0.01	25.08 0.15 -0.15	31.64 0.45 -0.84	65.14 0.71 -3.49	62.55 0.78 -4.68	50.65 1.02 -3.63	49.90 2.08 -4.19	43.04 1.82 -2.13	41.74 1.96 -1.73	41.03 1.18 -1.30	47.18 0.58 -1.71	48.14 0.96 -1.82	42.68 0.54 -1.50	44.27 0.49 -1.80	48.36 0.21 -2.07	97.67 1.63 -5.07	70.25 0.56 -5.76	52.23 -0.42 -2.69	62.56 0.31 -3.46	64.20 0.97 -4.45	44.47 0.70 -2.08
VALLEY___115KV_TB 1-4 80826	29.38 0.29 0.00	28.93 0.30 0.00	25.53 0.23 0.00	24.31 0.23 0.00	25.02 0.24 0.00	30.65 0.30 0.00	61.69 0.75 0.00	57.64 0.56 0.00	46.40 0.40 0.00	44.76 0.69 -0.45	39.77 0.52 -0.16	38.28 0.22 0.00	39.12 0.57 0.00	45.79 0.91 0.00	46.13 0.76 0.00	41.53 0.89 0.00	42.96 0.99 0.00	47.44 1.36 0.00	93.77 2.80 0.00	66.02 2.10 0.00	51.06 1.10 0.00	59.58 0.78 0.00	59.08 0.30 0.00	41.85 0.15 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	30.13 0.70 -0.33	29.56 0.73 -0.20	25.96 0.61 -0.05	24.69 0.61 -0.01	25.47 0.60 -0.09	31.62 0.76 -0.51	64.68 1.63 -2.11	61.54 1.61 -2.84	49.55 1.36 -2.20	47.80 1.64 -2.54	41.86 1.48 -1.29	40.59 1.49 -1.05	40.91 1.56 -0.79	47.73 1.81 -1.04	48.38 1.91 -1.10	43.26 1.71 -0.91	44.91 1.85 -1.09	49.37 2.04 -1.25	98.04 4.01 -3.07	70.14 2.73 -3.49	53.24 1.65 -1.63	62.60 1.72 -2.09	63.17 1.70 -2.69	43.99 1.04 -1.26
VISCHER___FERRY HYD 24020	29.52 0.42 0.00	29.08 0.45 0.00	25.72 0.42 0.00	24.45 0.37 0.00	25.15 0.37 0.00	30.72 0.36 0.00	61.60 0.66 0.00	57.54 0.46 0.00	46.25 0.25 0.00	44.09 0.47 0.00	39.54 0.45 0.00	38.20 0.46 0.31	39.18 0.68 0.05	45.85 0.97 0.00	46.15 0.78 0.00	41.34 0.70 0.00	42.73 0.75 0.00	46.95 0.87 0.00	92.51 1.54 0.00	65.12 1.19 0.00	50.73 0.77 0.00	59.21 0.41 0.00	58.91 0.13 0.00	41.94 0.25 0.00
V_A_10_SYNC_DSASP 323832	29.48 -0.11 -0.50	28.65 -0.27 -0.30	25.19 -0.18 -0.07	24.21 0.13 -0.01	25.00 0.08 -0.14	31.36 0.25 -0.76	64.19 0.10 -3.16	61.35 0.04 -4.23	49.89 0.62 -3.28	49.12 1.70 -3.79	42.71 1.69 -1.92	41.45 1.83 -1.57	41.04 1.32 -1.18	47.44 1.01 -1.55	48.42 1.41 -1.64	42.99 1.00 -1.35	44.44 0.84 -1.63	48.59 0.64 -1.87	97.24 1.70 -4.58	69.74 0.60 -5.21	51.99 -0.41 -2.43	62.14 0.22 -3.12	63.39 0.59 -4.02	44.43 0.86 -1.88
V_CMM_10_SYNC_DSASP 323787	29.55 0.45 0.00	29.03 0.41 0.00	25.68 0.38 0.00	24.43 0.35 0.00	25.16 0.39 0.00	30.83 0.47 0.00	61.91 0.97 0.00	57.98 0.90 0.00	46.79 0.79 0.00	41.17 0.29 2.74	38.24 0.15 1.01	38.12 0.07 0.00	38.45 -0.11 0.00	44.66 -0.23 0.00	45.07 -0.30 0.00	40.33 -0.31 0.00	41.55 -0.43 0.00	45.54 -0.54 0.00	89.86 -1.11 0.00	63.34 -0.59 0.00	50.17 0.21 0.00	59.53 0.74 0.00	59.78 1.00 0.00	42.48 0.78 0.00
V_CMP_10_SYNC_DSASP 323788	30.94 1.84 0.00	30.37 1.75 0.00	26.78 1.48 0.00	25.40 1.32 0.00	26.08 1.31 0.00	31.66 1.31 0.00	63.37 2.43 0.00	58.98 1.90 0.00	47.50 1.50 0.00	46.73 1.72 -1.39	41.12 1.52 -0.51	39.02 0.97 0.00	39.03 0.48 0.00	44.64 -0.25 0.00	44.21 -1.16 0.00	39.52 -1.12 0.00	40.91 -1.06 0.00	45.02 -1.06 0.00	88.95 -2.02 0.00	62.73 -1.19 0.00	49.33 -0.63 0.00	58.74 -0.05 0.00	60.14 1.36 0.00	43.40 1.71 0.00
V_D_10_SYNC_DSASP 323841	29.78 0.68 0.00	29.26 0.64 0.00	25.88 0.58 0.00	24.62 0.54 0.00	25.37 0.59 0.00	31.10 0.75 0.00	62.49 1.55 0.00	58.51 1.43 0.00	47.24 1.25 0.00	75.22 0.72 -30.88	49.78 0.53 -10.16	38.45 0.40 0.00	38.72 0.17 0.00	44.94 0.06 0.00	45.36 0.00 0.00	40.56 -0.09 0.00	41.75 -0.23 0.00	45.64 -0.44 0.00	90.29 -0.68 0.00	63.66 -0.27 0.00	50.53 0.57 0.00	60.02 1.23 0.00	60.32 1.54 0.00	42.86 1.17 0.00
V_E_10_SYNC_DSASP 323830	31.00 1.24 -0.66	30.32 1.31 -0.39	26.51 1.12 -0.09	25.28 1.19 -0.01	26.23 1.27 -0.18	33.15 1.80 -1.01	69.33 4.22 -4.18	66.83 4.13 -5.62	53.74 3.40 -4.34	52.27 3.63 -5.02	44.80 3.17 -2.55	43.23 3.10 -2.08	42.99 2.87 -1.56	50.10 3.16 -2.05	51.02 3.48 -2.17	45.75 3.32 -1.79	47.79 3.66 -2.15	52.70 4.15 -2.48	105.86 8.83 -6.06	76.77 5.95 -6.89	57.14 3.96 -3.21	67.41 4.49 -4.13	68.45 4.35 -5.32	46.85 2.68 -2.48



V_F_30_NSYNC___DSASP 323816	29.97 0.87 0.00	29.53 0.91 0.00	26.10 0.80 0.00	24.81 0.73 0.00	25.52 0.74 0.00	31.19 0.84 0.00	62.68 1.74 0.00	58.55 1.47 0.00	47.06 1.07 0.00	44.94 1.32 0.00	40.28 1.19 0.00	38.93 1.12 0.24	39.81 1.30 0.04	46.59 1.70 0.00	46.92 1.55 0.00	42.03 1.38 0.00	43.49 1.52 0.00	47.85 1.77 0.00	94.47 3.50 0.00	66.50 2.58 0.00	51.77 1.81 0.00	60.47 1.68 0.00	60.11 1.33 0.00	42.68 0.99 0.00
V_F_30_SYNC_DSASP 323786	29.08 -0.01 0.00	28.63 0.01 0.00	25.30 0.01 0.00	24.06 -0.02 0.00	24.77 -0.02 0.00	30.27 -0.09 0.00	60.64 -0.29 0.00	56.68 -0.40 0.00	45.65 -0.35 0.00	43.45 -0.17 0.00	38.98 -0.11 0.00	37.76 -0.10 0.20	38.62 0.10 0.03	45.10 0.21 0.00	45.50 0.13 0.00	40.82 0.18 0.00	42.16 0.19 0.00	46.31 0.23 0.00	91.15 0.18 0.00	64.11 0.18 0.00	49.84 -0.13 0.00	58.19 -0.60 0.00	57.97 -0.81 0.00	41.25 -0.45 0.00
V_XM_10_SYNC_DSASP 323789	30.94 1.84 0.00	30.37 1.75 0.00	26.78 1.48 0.00	25.40 1.32 0.00	26.08 1.31 0.00	31.66 1.31 0.00	63.37 2.43 0.00	58.98 1.90 0.00	47.50 1.50 0.00	46.73 1.72 -1.39	41.12 1.52 -0.51	39.02 0.97 0.00	39.03 0.48 0.00	44.64 -0.25 0.00	44.21 -1.16 0.00	39.52 -1.12 0.00	40.91 -1.06 0.00	45.02 -1.06 0.00	88.95 -2.02 0.00	62.73 -1.19 0.00	49.33 -0.63 0.00	58.74 -0.05 0.00	60.14 1.36 0.00	43.40 1.71 0.00
W.BABYLN_69_KV_BK1 56697	30.09 1.00 0.00	29.54 0.92 0.00	25.99 0.69 0.00	24.67 0.59 0.00	25.38 0.60 0.00	30.87 0.52 0.00	48.63 0.48 12.79	31.62 0.67 26.13	44.38 0.70 2.32	45.00 1.38 0.00	40.54 1.45 0.00	39.80 1.51 -0.24	40.54 1.94 -0.04	43.45 2.20 3.64	47.84 2.47 0.00	43.71 2.26 -0.81	44.23 2.29 0.04	33.48 2.58 15.18	30.16 5.01 65.82	28.13 3.37 39.17	51.65 1.84 0.16	58.78 1.52 1.54	48.22 1.12 11.69	41.49 0.77 0.98
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	29.99 0.89 0.00	29.43 0.80 0.00	25.96 0.66 0.00	24.67 0.59 0.00	25.38 0.60 0.00	31.08 0.72 0.00	62.38 1.44 0.00	58.55 1.46 0.00	47.19 1.19 0.00	45.18 1.55 0.00	40.65 1.55 0.00	39.94 1.66 -0.23	40.61 2.02 -0.04	47.38 2.49 0.00	48.03 2.66 0.00	43.04 2.40 0.00	44.48 2.51 0.00	48.94 2.87 0.00	96.88 5.91 0.00	67.75 3.83 0.00	52.07 2.11 0.00	60.64 1.85 0.00	60.32 1.54 0.00	42.66 0.96 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	30.13 1.04 0.00	29.56 0.94 0.00	26.07 0.77 0.00	24.76 0.68 0.00	25.47 0.69 0.00	31.18 0.83 0.00	62.39 1.45 0.00	58.57 1.48 0.00	47.34 1.34 0.00	45.47 1.85 0.00	40.95 1.86 0.00	40.25 1.95 -0.24	40.95 2.36 -0.04	47.77 2.88 0.00	48.39 3.02 0.00	43.38 2.73 0.00	44.76 2.79 0.00	49.20 3.12 0.00	97.16 6.19 0.00	67.95 4.03 0.00	52.26 2.30 0.00	60.84 2.05 0.00	60.48 1.70 0.00	42.77 1.08 0.00
W50THST__13_KV_LOAD 356117	30.29 1.19 0.00	29.71 1.09 0.00	26.20 0.90 0.00	24.88 0.80 0.00	25.60 0.82 0.00	31.35 0.99 0.00	62.74 1.80 0.00	58.93 1.85 0.00	47.68 1.68 0.00	45.83 2.21 0.00	41.28 2.19 0.00	40.59 2.30 -0.24	41.31 2.72 -0.04	48.19 3.31 0.00	48.82 3.45 0.00	43.77 3.12 0.00	45.16 3.19 0.00	49.60 3.52 0.00	97.89 6.92 0.00	68.44 4.52 0.00	52.60 2.63 0.00	61.20 2.41 0.00	60.83 2.05 0.00	43.00 1.30 0.00
WADING RIVER_IC_1 23522	29.40 0.31 0.00	28.89 0.27 0.00	25.39 0.09 0.00	24.11 0.02 0.00	24.80 0.03 0.00	30.15 -0.20 0.00	45.88 -0.98 14.07	27.68 -0.75 28.66	42.99 -0.47 2.54	43.85 0.23 0.00	39.59 0.50 0.00	38.45 0.48 0.09	34.58 0.89 4.86	30.70 0.90 15.08	44.51 1.21 2.07	42.49 1.11 -0.74	42.87 1.07 0.17	30.58 1.22 16.72	20.87 2.37 72.47	22.39 1.62 43.16	50.19 0.39 0.17	56.86 -0.25 1.70	45.14 -0.77 12.87	40.14 -0.45 1.10
WADING RIVER_IC_2 23547	29.40 0.31 0.00	28.89 0.27 0.00	25.39 0.09 0.00	24.11 0.02 0.00	24.80 0.03 0.00	30.15 -0.20 0.00	45.88 -0.98 14.07	27.68 -0.75 28.66	42.99 -0.47 2.54	43.85 0.23 0.00	39.59 0.50 0.00	38.45 0.48 0.09	34.58 0.89 4.86	30.70 0.90 15.08	44.51 1.21 2.07	42.49 1.11 -0.74	42.87 1.07 0.17	30.58 1.22 16.72	20.87 2.37 72.47	22.39 1.62 43.16	50.19 0.39 0.17	56.86 -0.25 1.70	45.14 -0.77 12.87	40.14 -0.45 1.10
WADING RIVER_IC_3 23601	29.40 0.31 0.00	28.89 0.27 0.00	25.39 0.09 0.00	24.11 0.02 0.00	24.80 0.03 0.00	30.15 -0.20 0.00	45.88 -0.98 14.07	27.68 -0.75 28.66	42.99 -0.47 2.54	43.85 0.23 0.00	39.59 0.50 0.00	38.45 0.48 0.09	34.58 0.89 4.86	30.70 0.90 15.08	44.51 1.21 2.07	42.49 1.11 -0.74	42.87 1.07 0.17	30.58 1.22 16.72	20.87 2.37 72.47	22.39 1.62 43.16	50.19 0.39 0.17	56.86 -0.25 1.70	45.14 -0.77 12.87	40.14 -0.45 1.10
WALDENNY_12_KV_BK2 80841	29.81 0.18 -0.54	28.96 0.01 -0.32	25.43 0.05 -0.08	24.48 0.39 -0.01	25.29 0.36 -0.15	31.81 0.63 -0.82	65.16 0.82 -3.40	62.41 0.77 -4.56	50.80 1.27 -3.53	50.19 2.48 -4.08	43.55 2.39 -2.07	42.37 2.63 -1.69	41.90 2.08 -1.27	48.37 1.81 -1.67	49.46 2.32 -1.77	43.99 1.89 -1.46	45.49 1.76 -1.75	49.66 1.57 -2.02	99.57 3.67 -4.93	71.39 1.85 -5.62	53.04 0.46 -2.62	63.45 1.29 -3.37	64.78 1.67 -4.33	45.25 1.54 -2.02
WALDEN__HYDRO 24148	29.80 0.71 0.00	29.27 0.65 0.00	25.83 0.53 0.00	24.56 0.48 0.00	25.25 0.47 0.00	30.91 0.56 0.00	61.95 1.01 0.00	58.12 1.03 0.00	46.85 0.85 0.00	44.88 1.26 0.00	40.32 1.22 0.00	39.51 1.25 -0.21	40.20 1.61 -0.04	46.93 2.04 0.00	47.49 2.12 0.00	42.58 1.94 0.00	44.00 2.03 0.00	48.44 2.37 0.00	95.82 4.85 0.00	67.11 3.19 0.00	51.70 1.74 0.00	60.29 1.49 0.00	59.98 1.20 0.00	42.43 0.73 0.00
WARRENSBURG____ 23737	29.98 0.89 0.00	29.54 0.92 0.00	26.13 0.83 0.00	24.83 0.75 0.00	25.50 0.72 0.00	31.09 0.73 0.00	62.45 1.51 0.00	58.40 1.31 0.00	46.89 0.89 0.00	44.77 1.15 0.00	40.13 1.04 0.00	38.80 0.98 0.23	39.72 1.21 0.04	46.50 1.62 0.00	46.77 1.41 0.00	41.80 1.16 0.00	43.29 1.31 0.00	47.70 1.62 0.00	94.37 3.40 0.00	66.51 2.58 0.00	51.80 1.83 0.00	60.50 1.70 0.00	59.93 1.15 0.00	42.57 0.87 0.00
WATERSIDE____6 8 9 23538	30.16 1.06 0.00	29.59 0.96 0.00	26.09 0.78 0.00	24.77 0.69 0.00	25.48 0.71 0.00	31.20 0.84 0.00	62.40 1.46 0.00	58.55 1.60 0.13	47.32 1.46 0.14	45.41 1.94 0.15	40.85 1.94 0.18	40.24 2.03 -0.16	40.83 2.43 0.15	47.57 2.96 0.27	48.42 3.09 0.04	43.42 2.80 0.03	44.81 2.84 0.01	49.23 3.16 0.01	97.01 6.04 0.00	67.87 3.95 0.00	52.25 2.31 0.02	60.73 2.05 0.12	60.27 1.71 0.22	42.75 1.09 0.04
WATKINRD_115KV_LN8_ILLION 55919	29.12 0.03 0.00	28.66 0.04 0.00	25.34 0.04 0.00	24.11 0.03 0.00	24.80 0.03 0.00	30.39 0.03 0.00	61.06 0.12 0.00	57.22 0.13 0.00	46.10 0.10 0.00	44.29 0.22 -0.45	39.48 0.22 -0.16	38.28 0.22 0.00	38.82 0.27 0.00	45.23 0.35 0.00	45.69 0.32 0.00	40.96 0.32 0.00	42.34 0.37 0.00	46.50 0.42 0.00	91.82 0.85 0.00	64.52 0.60 0.00	50.25 0.28 0.00	58.97 0.18 0.00	58.87 0.09 0.00	41.74 0.04 0.00



WDELAWARE___HYD 323627	29.11 0.01 0.00	28.59 -0.03 0.00	25.23 -0.08 0.00	23.98 -0.10 0.00	24.66 -0.12 0.00	30.21 -0.15 0.00	60.62 -0.32 0.00	56.92 -0.16 0.00	45.88 -0.12 0.00	43.92 0.30 0.00	39.38 0.28 0.00	38.50 0.28 -0.16	39.29 0.71 -0.03	45.87 0.99 0.00	46.44 1.07 0.00	41.61 0.97 0.00	43.08 1.11 0.00	47.45 1.37 0.00	93.88 2.91 0.00	65.81 1.89 0.00	50.75 0.79 0.00	59.19 0.39 0.00	58.87 0.09 0.00	41.57 -0.12 0.00
WEST BABYLON___IC 23714	30.09 1.00 0.00	29.54 0.92 0.00	25.99 0.69 0.00	24.67 0.59 0.00	25.38 0.60 0.00	30.87 0.52 0.00	48.63 0.48 12.79	31.62 0.67 26.13	44.38 0.70 2.32	45.00 1.38 0.00	40.54 1.45 0.00	39.80 1.51 -0.24	40.54 1.94 -0.04	43.45 2.20 3.64	47.84 2.47 0.00	43.71 2.26 -0.81	44.23 2.29 0.04	33.48 2.58 15.18	30.16 5.01 65.82	28.13 3.37 39.17	51.65 1.84 0.16	58.78 1.52 1.54	48.22 1.12 11.69	41.49 0.77 0.98
WEST CANADA___HYD 24049	29.05 -0.05 0.00	28.59 -0.03 0.00	25.28 -0.03 0.00	24.06 -0.02 0.00	24.75 -0.03 0.00	30.32 -0.03 0.00	60.91 -0.03 0.00	57.05 -0.03 0.00	45.96 -0.03 0.00	44.15 0.08 -0.45	39.36 0.10 -0.16	38.15 0.10 0.00	38.70 0.15 0.00	45.11 0.22 0.00	45.58 0.21 0.00	40.85 0.20 0.00	42.20 0.23 0.00	46.36 0.28 0.00	91.51 0.54 0.00	64.29 0.37 0.00	50.08 0.11 0.00	58.80 0.00 0.00	58.70 -0.08 0.00	41.61 -0.08 0.00
WESTERN_NY_WIND 24143	30.52 0.91 -0.53	29.62 0.69 -0.31	26.00 0.62 -0.08	24.95 0.86 -0.01	25.76 0.84 -0.14	32.38 1.23 -0.80	66.51 2.26 -3.31	63.83 2.31 -4.44	51.82 2.38 -3.44	50.81 3.21 -3.98	44.01 2.90 -2.02	42.60 2.90 -1.65	42.38 2.59 -1.23	49.05 2.54 -1.62	50.17 3.08 -1.72	44.59 2.53 -1.42	45.83 2.16 -1.70	50.31 2.27 -1.96	101.53 5.76 -4.80	73.15 3.76 -5.46	54.47 1.96 -2.54	64.80 2.74 -3.27	65.83 2.83 -4.21	45.94 2.28 -1.97
WESTOVER___LESR 323668	29.67 -0.09 -0.66	28.96 -0.05 -0.39	25.32 -0.08 -0.09	24.11 0.02 -0.01	24.97 0.02 -0.18	31.48 0.12 -1.01	65.34 0.23 -4.17	62.93 0.24 -5.60	50.60 0.27 -4.33	49.44 0.82 -5.01	42.26 0.63 -2.54	40.84 0.72 -2.07	40.64 0.53 -1.56	47.39 0.46 -2.05	48.20 0.66 -2.17	43.02 0.59 -1.79	44.83 0.71 -2.14	49.21 0.67 -2.47	98.78 1.77 -6.04	71.65 0.84 -6.87	53.31 0.15 -3.20	63.24 0.32 -4.12	64.67 0.58 -5.31	44.32 0.15 -2.48
WETHRSFD_WT_PWR 323626	29.48 -0.20 -0.59	28.70 -0.26 -0.35	25.15 -0.24 -0.08	24.23 0.14 -0.01	25.13 0.19 -0.16	31.68 0.44 -0.89	65.09 0.45 -3.70	62.46 0.34 -5.03	50.64 0.75 -3.89	49.82 1.70 -4.50	42.88 1.50 -2.28	41.65 1.74 -1.86	41.25 1.30 -1.40	47.59 0.88 -1.83	48.65 1.36 -1.92	43.43 1.20 -1.58	45.00 1.12 -1.91	49.03 0.76 -2.19	98.93 2.59 -5.37	71.32 1.29 -6.10	52.94 0.13 -2.85	63.26 0.81 -3.66	64.72 1.23 -4.71	44.92 1.03 -2.20
WHAVSTOR_138KV_BK127 55557	29.82 0.73 0.00	29.28 0.66 0.00	25.82 0.52 0.00	24.54 0.46 0.00	25.24 0.46 0.00	30.91 0.55 0.00	62.15 1.21 0.00	58.29 1.21 0.00	46.96 0.96 0.00	44.86 1.24 0.00	40.37 1.27 0.00	39.66 1.38 -0.23	40.34 1.75 -0.04	47.05 2.16 0.00	47.68 2.31 0.00	42.70 2.06 0.00	44.12 2.14 0.00	48.55 2.48 0.00	96.08 5.11 0.00	67.20 3.27 0.00	51.67 1.71 0.00	60.18 1.39 0.00	59.88 1.11 0.00	42.37 0.67 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	29.82 0.73 0.00	29.28 0.66 0.00	25.82 0.52 0.00	24.54 0.46 0.00	25.24 0.46 0.00	30.91 0.55 0.00	62.15 1.21 0.00	58.29 1.21 0.00	46.96 0.96 0.00	44.86 1.24 0.00	40.37 1.27 0.00	39.66 1.38 -0.23	40.34 1.75 -0.04	47.05 2.16 0.00	47.68 2.31 0.00	42.70 2.06 0.00	44.12 2.14 0.00	48.55 2.48 0.00	96.08 5.11 0.00	67.20 3.27 0.00	51.67 1.71 0.00	60.18 1.39 0.00	59.88 1.11 0.00	42.37 0.67 0.00
WHITEHAL_115KV_TB1 80871	30.94 1.85 0.00	30.59 1.97 0.00	27.11 1.81 0.00	25.74 1.67 0.00	26.32 1.54 0.00	32.13 1.77 0.00	64.34 3.40 0.00	60.00 2.92 0.00	47.89 1.89 0.00	45.77 2.15 0.00	41.07 1.97 0.00	39.85 2.03 0.24	41.13 2.61 0.04	48.29 3.40 0.00	48.12 2.75 0.00	42.66 2.02 0.00	44.25 2.28 0.00	48.83 2.76 0.00	97.00 6.03 0.00	68.46 4.53 0.00	53.64 3.68 0.00	62.31 3.52 0.00	61.14 2.36 0.00	43.51 1.82 0.00
WHITEPLN_13_KV_LOAD 356215	30.24 1.15 0.00	29.68 1.06 0.00	26.16 0.86 0.00	24.86 0.78 0.00	25.57 0.79 0.00	31.31 0.95 0.00	62.77 1.83 0.00	58.93 1.84 0.00	47.59 1.59 0.00	45.67 2.05 0.00	41.12 2.02 0.00	40.39 2.09 -0.24	41.08 2.48 -0.04	47.95 3.07 0.00	48.63 3.26 0.00	43.60 2.96 0.00	45.02 3.05 0.00	49.53 3.45 0.00	97.91 6.94 0.00	68.47 4.55 0.00	52.65 2.69 0.00	61.29 2.50 0.00	60.92 2.14 0.00	43.05 1.36 0.00
WM_FLOYD_69_KV_BK2 356380	29.62 0.52 0.00	29.10 0.48 0.00	25.58 0.27 0.00	24.28 0.20 0.00	24.99 0.21 0.00	30.38 0.03 0.00	46.42 -0.48 14.04	28.25 -0.24 28.60	43.40 -0.07 2.54	44.25 0.63 0.00	39.91 0.81 0.00	38.40 0.77 0.43	29.82 1.21 9.94	21.51 1.29 24.66	42.76 1.61 4.22	42.84 1.46 -0.74	43.26 1.45 0.17	31.06 1.67 16.68	21.95 3.28 72.31	23.12 2.25 43.06	50.64 0.85 0.17	57.41 0.30 1.69	45.72 -0.22 12.85	40.51 -0.08 1.10
WOODARD___115KV_TB2 355635	29.82 -0.33 -1.05	28.90 -0.34 -0.63	25.13 -0.32 -0.15	23.84 -0.26 -0.02	24.80 -0.27 -0.29	31.69 -0.26 -1.60	67.13 -0.43 -6.62	65.69 -0.30 -8.91	52.74 -0.16 -6.90	52.24 0.14 -8.48	43.44 0.11 -4.23	41.48 0.13 -3.30	41.07 0.04 -2.48	48.10 -0.04 -3.25	48.84 0.03 -3.45	43.53 0.05 -2.84	45.51 0.12 -3.41	50.12 0.11 -3.93	101.03 0.44 -9.61	75.07 0.21 -10.94	54.90 -0.16 -5.10	65.10 -0.24 -6.56	66.95 -0.27 -8.44	45.36 -0.27 -3.94
WOODMERE_69_KV_BK1 55827	30.26 1.17 0.00	29.73 1.10 0.00	26.15 0.85 0.00	24.83 0.75 0.00	25.55 0.77 0.00	31.10 0.74 0.00	61.85 0.98 0.07	56.24 1.01 1.85	46.74 0.97 0.23	45.20 1.58 0.00	40.79 1.70 0.00	40.14 1.85 -0.24	40.89 2.30 -0.04	70.90 2.87 -23.15	48.43 3.06 0.00	44.66 2.79 -1.23	45.76 2.84 -0.95	49.54 3.17 -0.30	97.83 6.14 -0.72	69.09 4.12 -1.04	52.42 2.47 0.01	60.99 2.16 -0.04	60.69 1.60 -0.31	42.73 1.06 0.02
YORK___WARBASSE 23770	30.28 1.19 0.00	29.68 1.06 0.00	26.17 0.87 0.00	24.86 0.78 0.00	25.58 0.80 0.00	31.32 0.96 0.00	62.61 1.68 0.00	59.69 1.94 -0.67	48.46 1.79 -0.67	46.65 2.27 -0.76	42.23 2.21 -0.92	41.02 2.30 -0.67	42.31 2.71 -1.05	49.53 3.28 -1.37	48.98 3.39 -0.22	43.89 3.09 -0.15	45.12 3.12 -0.03	49.65 3.51 -0.07	97.30 6.33 0.00	68.10 4.17 0.00	52.70 2.63 -0.10	61.97 2.48 -0.69	61.97 2.12 -1.07	43.25 1.34 -0.22