

# Day Ahead Market Generator LBMP

		--- LBMP \$						--- Marginal Cost of Losses						--- Marginal Cost of Congestion											
Generator Data		07/18/2024																							
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		42.70	36.45	30.69	30.12	29.29	31.31	35.67	37.74	37.03	41.21	41.08	41.34	42.65	45.78	47.62	49.86	58.56	68.94	59.31	49.08	44.57	40.22	36.04	34.52
24138		2.66	2.22	2.29	2.19	2.12	2.33	2.81	3.37	3.41	3.64	3.76	3.82	4.05	4.30	4.54	4.98	5.94	6.67	5.24	4.13	3.90	3.62	3.34	2.87
		-12.00	-10.34	-4.08	-3.59	-2.76	-2.85	-3.00	0.00	-1.46	-3.92	-3.70	-3.96	-3.63	-3.04	-2.93	0.00	0.00	0.00	0.00	0.00	0.00	-0.78	-0.62	-2.96
74TH STREET_GT_1		42.78	36.50	30.74	30.15	29.31	31.34	35.73	37.81	37.06	41.20	41.29	41.55	42.86	45.91	47.74	49.86	58.56	69.00	59.42	49.13	44.61	40.32	36.13	34.50
24260		2.75	2.27	2.34	2.21	2.15	2.35	2.84	3.44	3.44	3.64	3.73	3.76	4.02	4.27	4.46	4.98	5.95	6.73	5.35	4.18	3.94	3.76	3.46	3.01
		-12.00	-10.34	-4.08	-3.59	-2.76	-2.85	-3.03	0.00	-1.45	-3.90	-3.95	-4.23	-3.87	-3.21	-3.13	0.00	0.00	0.00	0.00	0.00	0.00	-0.74	-0.59	-2.80
74TH STREET_GT_2		42.78	36.50	30.74	30.15	29.31	31.34	35.73	37.81	37.06	41.20	41.29	41.55	42.86	45.91	47.74	49.86	58.56	69.00	59.42	49.13	44.61	40.32	36.13	34.50
24261		2.75	2.27	2.34	2.21	2.15	2.35	2.84	3.44	3.44	3.64	3.73	3.76	4.02	4.27	4.46	4.98	5.95	6.73	5.35	4.18	3.94	3.76	3.46	3.01
		-12.00	-10.34	-4.08	-3.59	-2.76	-2.85	-3.03	0.00	-1.45	-3.90	-3.95	-4.23	-3.87	-3.21	-3.13	0.00	0.00	0.00	0.00	0.00	0.00	-0.74	-0.59	-2.80
ADK HUDSON___FALLS		45.56	39.03	31.09	30.47	29.55	31.50	35.81	36.57	36.18	38.98	35.29	35.27	36.85	40.15	41.96	47.03	55.14	65.64	57.58	48.10	43.76	39.38	34.97	34.11
24011		1.77	1.55	1.41	1.41	1.51	1.62	1.97	2.20	2.09	2.09	1.68	1.71	1.89	1.61	1.81	2.15	2.53	3.36	3.51	3.15	3.09	2.58	2.12	1.72
		-15.77	-13.59	-5.36	-4.72	-3.63	-3.74	-3.98	0.00	-1.93	-3.24	0.00	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.98	-0.77	-3.70
ADK RESOURCE___RCVRY		45.63	39.08	31.14	30.52	29.60	31.58	35.90	36.71	36.28	39.09	35.36	35.34	36.92	40.18	42.04	47.12	55.25	65.82	57.75	48.28	43.92	39.57	35.11	34.23
23798		1.82	1.60	1.46	1.46	1.56	1.70	2.06	2.34	2.19	2.19	1.75	1.78	1.96	1.65	1.89	2.24	2.63	3.55	3.68	3.33	3.25	2.76	2.24	1.78
		-15.78	-13.60	-5.36	-4.72	-3.63	-3.75	-3.98	0.00	-1.93	-3.25	0.00	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.99	-0.79	-3.76
ADK S GLENS___FALLS		45.56	39.03	31.09	30.47	29.55	31.50	35.81	36.57	36.18	38.98	35.29	35.27	36.85	40.15	41.96	47.03	55.14	65.64	57.58	48.10	43.76	39.38	34.97	34.11
24028		1.77	1.55	1.41	1.41	1.51	1.62	1.97	2.20	2.09	2.09	1.68	1.71	1.89	1.61	1.81	2.15	2.53	3.36	3.51	3.15	3.09	2.58	2.12	1.72
		-15.77	-13.59	-5.36	-4.72	-3.63	-3.74	-3.98	0.00	-1.93	-3.24	0.00	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.98	-0.77	-3.70
ADK_NYS___DAM		45.13	38.58	31.13	30.51	29.53	31.49	35.72	36.67	36.14	39.08	35.49	35.47	36.95	40.59	42.48	47.62	55.88	66.26	57.64	47.87	43.31	38.96	34.83	34.12
23527		1.93	1.63	1.65	1.63	1.64	1.75	2.03	2.30	2.12	2.22	1.88	1.91	1.99	2.04	2.33	2.74	3.26	3.99	3.57	2.92	2.64	2.19	1.99	1.81
		-15.16	-13.07	-5.15	-4.54	-3.49	-3.60	-3.82	0.00	-1.86	-3.20	0.00	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.96	-0.76	-3.62
AIR_PRODUCTS___DRP		44.05	37.69	30.23	29.66	28.69	30.54	34.55	35.26	34.89	37.72	34.49	34.43	35.94	39.46	41.20	46.09	53.93	63.89	55.47	46.17	41.89	37.81	33.76	33.10
24190		0.78	0.67	0.73	0.75	0.78	0.78	0.84	0.89	0.87	0.91	0.87	0.87	0.98	0.92	1.04	1.21	1.32	1.62	1.41	1.21	1.22	1.04	0.93	0.83
		-15.24	-13.13	-5.18	-4.56	-3.51	-3.62	-3.85	0.00	-1.86	-3.16	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.95	-0.75	-3.58
AKWESSNE_115KV_BK		27.25	23.29	23.72	23.78	23.84	25.56	29.18	33.44	31.26	32.72	32.60	32.52	32.80	37.36	38.15	41.95	49.55	62.94	54.06	44.54	39.93	35.03	31.28	27.97
355683		-0.78	-0.60	-0.61	-0.56	-0.56	-0.58	-0.69	-0.93	-0.90	-0.94	-1.01	-1.04	-1.08	-1.08	-1.08	-1.26	-1.47	-1.74	-1.57	-1.08	-0.94	-0.79	-0.80	-0.72
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.92	1.67	1.59	-2.41	-1.56	-0.66	-0.20	0.00	0.00	0.00
ALBANY_1_SOLAR		44.22	37.85	30.51	29.94	29.01	30.90	35.00	35.78	35.21	37.90	34.59	34.50	35.94	39.45	41.24	46.18	54.25	64.51	56.23	46.93	42.58	38.41	34.24	33.51
323833		1.29	1.12	1.12	1.14	1.17	1.23	1.37	1.41	1.22	1.18	0.98	0.94	0.98	0.92	1.08	1.30	1.63	2.24	2.16	1.98	1.91	1.65	1.41	1.26
		-14.90	-12.84	-5.06	-4.46	-3.43	-3.54	-3.76	0.00	-1.83	-3.07	0.00	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.94	-0.75	-3.56
ALBANY_2_SOLAR		44.22	37.85	30.51	29.92	29.01	30.90	34.97	35.78	35.21	37.87	34.59	34.50	35.94	39.45	41.24	46.18	54.25	64.51	56.23	46.88	42.58	38.41	34.20	33.49
323834		1.29	1.12	1.12	1.12	1.17	1.23	1.35	1.41	1.22	1.15	0.98	0.94	0.98	0.92	1.08	1.30	1.63	2.24	2.16	1.93	1.91	1.65	1.38	1.23
		-14.90	-12.84	-5.06	-4.46	-3.43	-3.54	-3.76	0.00	-1.83	-3.07	0.00	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.94	-0.75	-3.56
ALBANY___1		44.05	37.69	30.23	29.66	28.69	30.54	34.55	35.26	34.89	37.72	34.49	34.43	35.94	39.46	41.20	46.09	53.93	63.89	55.47	46.17	41.89	37.81	33.76	33.10
23571		0.78	0.67	0.73	0.75	0.78	0.78	0.84	0.89	0.87	0.91	0.87	0.87	0.98	0.92	1.04	1.21	1.32	1.62	1.41	1.21	1.22	1.04	0.93	0.83
		-15.24	-13.13	-5.18	-4.56	-3.51	-3.62	-3.85	0.00	-1.86	-3.16	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.95	-0.75	-3.58

ALBANY___2 23572	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.66 0.75 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.55 0.84 -3.85	35.26 0.89 0.00	34.89 0.87 -1.86	37.72 0.91 -3.16	34.49 0.87 0.00	34.43 0.87 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.20 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.41 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.81 1.04 -0.95	33.76 0.93 -0.75	33.10 0.83 -3.58
ALBANY___3 23573	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.66 0.75 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.55 0.84 -3.85	35.26 0.89 0.00	34.89 0.87 -1.86	37.72 0.91 -3.16	34.49 0.87 0.00	34.43 0.87 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.20 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.41 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.81 1.04 -0.95	33.76 0.93 -0.75	33.10 0.83 -3.58
ALBANY___4 23574	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.66 0.75 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.55 0.84 -3.85	35.26 0.89 0.00	34.89 0.87 -1.86	37.72 0.91 -3.16	34.49 0.87 0.00	34.43 0.87 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.20 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.41 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.81 1.04 -0.95	33.76 0.93 -0.75	33.10 0.83 -3.58
ALBANY___LFGE 323615	44.51 1.09 -15.39	38.10 0.96 -13.26	30.53 0.97 -5.23	29.92 0.97 -4.61	28.97 1.02 -3.54	30.84 1.05 -3.65	34.91 1.16 -3.88	35.64 1.27 0.00	35.27 1.22 -1.88	38.13 1.28 -3.19	34.86 1.24 0.00	34.83 1.27 0.00	36.32 1.36 0.00	39.88 1.34 -0.10	41.64 1.49 0.00	46.58 1.70 0.00	54.51 1.89 0.00	64.64 2.37 0.00	56.12 2.05 0.00	46.70 1.75 0.00	42.38 1.71 0.00	38.26 1.47 -0.97	34.13 1.28 -0.77	33.48 1.12 -3.67
ALCOA_PA_115KV_PL-6C 55860	27.11 -0.93 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.68 -0.66 0.00	23.77 -0.63 0.00	25.46 -0.68 0.00	29.09 -0.78 0.00	33.30 -1.07 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.47 -1.14 0.00	32.32 -1.24 0.00	32.66 -1.26 1.05	37.17 -1.27 0.00	38.72 -1.28 0.15	43.12 -1.48 0.27	50.06 -1.74 0.83	63.97 -2.12 -3.81	54.65 -1.89 -2.47	44.72 -1.30 -1.07	39.85 -1.14 -0.32	34.89 -0.93 0.00	31.12 -0.96 0.00	27.86 -0.83 0.00
ALCOA_RYNLDS___DRP 24188	27.11 -0.93 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.68 -0.66 0.00	23.77 -0.63 0.00	25.46 -0.68 0.00	29.09 -0.78 0.00	33.30 -1.07 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.47 -1.14 0.00	32.32 -1.24 0.00	32.66 -1.26 1.05	37.17 -1.27 0.00	38.72 -1.28 0.15	43.12 -1.48 0.27	50.06 -1.74 0.83	63.97 -2.12 -3.81	54.65 -1.89 -2.47	44.72 -1.30 -1.07	39.85 -1.14 -0.32	34.89 -0.93 0.00	31.12 -0.96 0.00	27.86 -0.83 0.00
ALCOA___DSASP 323711	27.11 -0.92 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.68 -0.66 0.00	23.77 -0.63 0.00	25.46 -0.68 0.00	29.09 -0.78 0.00	33.30 -1.07 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.47 -1.14 0.00	32.35 -1.21 0.00	32.66 -1.26 1.05	37.17 -1.27 0.00	38.72 -1.29 0.15	43.12 -1.48 0.27	50.06 -1.74 0.83	63.87 -2.12 -3.71	54.58 -1.89 -2.41	44.72 -1.31 -1.07	39.89 -1.10 -0.32	34.89 -0.93 0.00	31.12 -0.96 0.00	27.86 -0.83 0.00
ALLEGHENY___COGEN 23514	30.38 0.53 -1.82	25.74 0.29 -1.57	25.26 0.32 -0.62	25.10 0.22 -0.54	25.04 0.22 -0.42	26.88 0.31 -0.43	30.65 0.33 -0.46	31.35 -0.41 2.60	29.18 -0.93 2.04	30.23 -1.24 2.19	30.49 -1.04 2.08	31.68 -1.11 0.77	32.95 -1.15 0.86	35.30 -2.23 0.91	36.56 -2.65 0.94	39.86 -2.92 2.10	48.18 -3.31 1.13	51.61 -3.30 7.36	50.36 -1.94 1.76	42.29 -1.08 1.59	39.24 -0.69 0.74	34.40 -1.07 0.35	32.45 0.29 -0.08	29.46 0.40 -0.37
ALTAMONT_115KV_TB 2 55880	44.34 1.07 -15.24	37.93 0.91 -13.13	30.43 0.92 -5.18	29.83 0.92 -4.56	28.84 0.93 -3.51	30.75 0.99 -3.62	34.85 1.13 -3.85	35.64 1.27 0.00	35.24 1.22 -1.86	38.05 1.25 -3.14	34.79 1.18 0.00	34.77 1.21 0.00	36.26 1.29 0.00	39.80 1.27 -0.09	41.56 1.41 0.00	46.45 1.57 0.00	54.46 1.84 0.00	64.51 2.24 0.00	56.01 1.95 0.00	46.57 1.62 0.00	42.21 1.55 0.00	38.13 1.36 -0.95	34.08 1.25 -0.75	33.36 1.09 -3.58
ALTONA_WT_PWR 323606	27.30 -0.73 0.00	23.38 -0.50 0.00	23.79 -0.54 0.00	23.87 -0.46 0.00	24.06 -0.34 0.00	25.85 -0.29 0.00	29.51 -0.36 0.00	33.92 -0.45 0.00	31.71 -0.45 0.00	33.12 -0.54 0.00	32.94 -0.67 0.00	32.65 -0.90 0.00	32.81 -1.08 1.07	37.25 -1.19 0.00	36.25 -1.29 2.61	38.65 -1.53 4.70	47.84 -1.58 3.20	59.55 -1.62 1.10	52.11 -1.24 0.72	44.32 -0.31 0.32	40.45 -0.12 0.09	35.57 -0.25 0.00	31.66 -0.42 0.00	28.40 -0.29 0.00
AMERICAN_REF_FUEL 24010	28.19 -1.49 -1.64	23.92 -1.39 -1.42	23.50 -1.39 -0.56	23.39 -1.44 -0.49	23.27 -1.51 -0.38	24.91 -1.62 -0.39	28.22 -2.06 -0.42	28.77 -3.27 2.33	27.38 -2.99 1.79	28.43 -3.33 1.89	28.81 -2.82 1.98	29.78 -2.75 1.03	30.96 -2.83 1.17	34.30 -2.84 1.30	35.29 -3.49 1.37	37.80 -4.67 2.41	44.83 -5.73 2.05	49.27 -6.35 6.65	47.64 -4.43 1.99	39.88 -3.51 1.57	36.79 -3.05 0.83	32.47 -2.94 0.41	29.94 -2.21 -0.07	27.42 -1.61 -0.34
ARKWRIGHT___SUMMIT_WT_PWR 323751	29.39 -0.50 -1.87	24.92 -0.57 -1.61	24.35 -0.61 -0.63	24.26 -0.63 -0.56	24.10 -0.73 -0.43	25.85 -0.73 -0.44	29.38 -0.96 -0.47	30.65 -1.34 2.37	28.99 -1.35 1.82	30.23 -1.51 1.92	30.24 -1.38 1.99	31.37 -1.34 0.85	32.65 -1.36 0.95	36.23 -1.19 1.02	37.33 -1.65 1.18	40.03 -2.56 2.30	47.79 -3.05 1.77	51.76 -3.49 7.03	50.06 -2.16 1.85	41.65 -1.75 1.55	38.44 -1.46 0.77	33.88 -1.58 0.37	31.13 -1.03 -0.08	28.35 -0.72 -0.38
ARTHUR KILL_GT_1 23520	42.73 2.66 -12.04	36.37 2.13 -10.36	30.68 2.26 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.26 2.27 -2.85	35.52 2.66 -3.00	37.50 3.09 -0.04	39.58 3.22 -4.20	40.96 3.40 -3.91	40.96 3.53 -3.82	41.28 3.63 -4.09	42.67 3.85 -3.87	45.67 4.04 -3.20	47.36 4.18 -3.03	49.52 4.62 -0.02	74.27 5.57 -16.08	68.58 6.29 -0.02	58.93 4.87 0.01	48.72 3.78 0.01	44.40 3.74 0.01	40.38 3.69 -0.87	39.61 3.37 -4.16	34.60 2.90 -3.01
ARTHUR_KILL_2 23512	42.59 2.52 -12.04	36.27 2.03 -10.36	30.58 2.16 -4.09	30.09 2.14 -3.61	29.22 2.05 -2.77	31.15 2.17 -2.85	35.40 2.54 -3.00	37.39 2.99 -0.04	39.48 3.12 -4.20	40.83 3.26 -3.91	40.83 3.39 -3.82	41.14 3.49 -4.09	42.50 3.67 -3.87	45.48 3.84 -3.20	47.16 3.98 -3.03	49.34 4.44 -0.02	74.01 5.31 -16.08	68.27 5.98 -0.02	58.65 4.59 0.01	48.49 3.55 0.01	44.20 3.54 0.01	40.20 3.51 -0.87	39.48 3.24 -4.16	34.48 2.78 -3.01
ARTHUR_KILL_3 23513	42.39 2.33 -12.03	36.24 2.01 -10.35	30.48 2.07 -4.09	29.86 1.92 -3.60	29.02 1.85 -2.76	31.00 2.01 -2.85	35.34 2.48 -3.00	37.35 2.96 -0.03	39.43 3.06 -4.21	40.74 3.16 -3.92	40.74 3.30 -3.83	40.98 3.32 -4.10	42.25 3.53 -3.76	45.29 3.73 -3.13	47.17 3.98 -3.04	49.35 4.44 -0.03	74.02 5.31 -16.09	68.22 5.92 -0.03	58.61 4.54 0.00	48.41 3.46 0.00	44.01 3.34 0.00	39.95 3.26 -0.87	39.34 3.11 -4.15	34.36 2.67 -3.00

ARTHUR_KILL_COGEN 323718	42.73 2.66 -12.04	36.37 2.13 -10.36	30.68 2.26 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.26 2.27 -2.85	35.52 2.66 -3.00	37.50 3.09 -0.04	39.58 3.22 -4.20	40.96 3.40 -3.91	40.96 3.53 -3.82	41.28 3.63 -4.09	42.67 3.85 -3.87	45.67 4.04 -3.20	47.36 4.18 -3.03	49.52 4.62 -0.02	74.27 5.57 -16.08	68.58 6.29 -0.02	58.93 4.87 0.01	48.72 3.78 0.01	44.40 3.74 0.01	40.38 3.69 -0.87	39.61 3.37 -4.16	34.60 2.90 -3.01
ASHOKAN____ 23654	42.44 0.90 -13.52	36.23 0.69 -11.65	29.60 0.68 -4.59	29.02 0.63 -4.05	28.20 0.68 -3.11	30.08 0.73 -3.21	34.17 0.90 -3.41	36.29 1.92 0.00	34.78 0.96 -1.66	38.23 1.92 -2.65	35.46 1.85 0.00	35.30 1.74 0.00	36.92 1.96 0.00	41.17 2.69 -0.04	42.56 2.41 0.00	47.66 2.78 0.00	55.93 3.32 0.00	66.63 4.36 0.00	57.91 3.84 0.00	48.19 3.24 0.00	43.60 2.93 0.00	39.19 2.51 -0.86	33.79 1.03 -0.68	32.73 0.77 -3.26
ASTORIA_EAST_ENERGY_CC1 323581	42.71 2.66 -12.01	36.35 2.13 -10.34	30.64 2.24 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.08 2.09 -2.85	35.37 2.51 -2.99	37.42 3.06 0.01	36.80 3.18 -1.45	40.87 3.30 -3.91	41.02 3.46 -3.94	41.30 3.52 -4.22	42.53 3.70 -3.87	45.52 3.88 -3.20	47.25 4.05 -3.05	49.22 4.35 0.01	57.82 5.21 0.01	68.12 5.85 0.01	58.44 4.38 0.01	48.41 3.46 0.01	44.08 3.42 0.01	40.22 3.62 -0.78	36.00 3.30 -0.62	34.63 2.98 -2.96
ASTORIA_EAST_ENERGY_CC2 323582	42.71 2.66 -12.01	36.35 2.13 -10.34	30.64 2.24 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.08 2.09 -2.85	35.37 2.51 -2.99	37.42 3.06 0.01	36.80 3.18 -1.45	40.87 3.30 -3.91	41.02 3.46 -3.94	41.30 3.52 -4.22	42.53 3.70 -3.87	45.52 3.88 -3.20	47.25 4.05 -3.05	49.22 4.35 0.01	57.82 5.21 0.01	68.12 5.85 0.01	58.44 4.38 0.01	48.41 3.46 0.01	44.08 3.42 0.01	40.22 3.62 -0.78	36.00 3.30 -0.62	34.63 2.98 -2.96
ASTORIA_GT2_1 24094	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT2_2 24095	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT2_3 24096	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT2_4 24097	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT3_1 24098	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT3_2 24099	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT3_3 24100	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT3_4 24101	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT4_1 24102	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT4_2 24103	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT4_3 24104	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80

ASTORIA_GT4_4 24105	42.70 2.66 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.50 3.13 0.00	36.79 3.18 -1.45	40.89 3.33 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	44.23 4.06 -0.03	49.23 4.35 0.00	57.83 5.21 0.00	68.13 5.85 0.00	58.66 4.60 0.01	48.50 3.55 0.00	44.13 3.46 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.53 3.04 -2.80
ASTORIA_GT_1 23523	42.79 2.75 -12.01	36.43 2.20 -10.34	30.71 2.31 -4.08	30.10 2.17 -3.59	29.22 2.05 -2.76	31.15 2.17 -2.85	35.46 2.60 -2.99	37.52 3.16 0.01	36.90 3.28 -1.45	40.96 3.40 -3.91	41.12 3.56 -3.94	41.40 3.63 -4.22	42.64 3.81 -3.87	45.67 4.04 -3.20	47.37 4.18 -3.05	49.36 4.49 0.01	57.98 5.37 0.01	68.30 6.04 0.01	58.65 4.59 0.01	48.54 3.60 0.01	44.24 3.58 0.01	40.33 3.73 -0.78	36.10 3.40 -0.62	34.72 3.07 -2.96
ASTORIA_GT_10 24110	42.61 2.58 -12.00	36.35 2.13 -10.34	30.61 2.21 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	37.74 3.25 -2.33	40.93 3.37 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.53 3.88 -3.21	47.30 4.02 -3.13	49.32 4.44 0.00	57.88 5.26 0.00	68.19 5.92 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.17 3.50 0.00	40.11 3.55 -0.74	35.97 3.30 -0.59	34.36 2.87 -2.80
ASTORIA_GT_11 24225	42.61 2.58 -12.00	36.35 2.13 -10.34	30.61 2.21 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	37.74 3.25 -2.33	40.93 3.37 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.53 3.88 -3.21	47.30 4.02 -3.13	49.32 4.44 0.00	57.88 5.26 0.00	68.19 5.92 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.17 3.50 0.00	40.11 3.55 -0.74	35.97 3.30 -0.59	34.36 2.87 -2.80
ASTORIA_GT_12 24226	42.61 2.58 -12.00	36.35 2.13 -10.34	30.61 2.21 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	37.74 3.25 -2.33	40.93 3.37 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.53 3.88 -3.21	47.30 4.02 -3.13	49.32 4.44 0.00	57.88 5.26 0.00	68.19 5.92 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.17 3.50 0.00	40.11 3.55 -0.74	35.97 3.30 -0.59	34.36 2.87 -2.80
ASTORIA_GT_13 24227	42.61 2.58 -12.00	36.35 2.13 -10.34	30.61 2.21 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	37.74 3.25 -2.33	40.93 3.37 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.53 3.88 -3.21	47.30 4.02 -3.13	49.32 4.44 0.00	57.88 5.26 0.00	68.19 5.92 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.17 3.50 0.00	40.11 3.55 -0.74	35.97 3.30 -0.59	34.36 2.87 -2.80
ASTORIA_GT_5 24106	42.79 2.75 -12.01	36.43 2.20 -10.34	30.71 2.31 -4.08	30.07 2.14 -3.59	29.22 2.05 -2.76	31.16 2.17 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	36.89 3.28 -1.45	40.96 3.40 -3.90	41.13 3.56 -3.95	41.41 3.62 -4.23	42.65 3.81 -3.87	45.64 4.00 -3.21	44.35 4.18 -0.03	49.37 4.49 0.00	57.98 5.37 0.00	68.31 6.04 0.00	58.76 4.70 0.01	48.64 3.69 0.00	44.25 3.58 0.00	40.29 3.73 -0.74	36.07 3.40 -0.59	34.59 3.10 -2.80
ASTORIA_GT_7 24107	42.79 2.75 -12.01	36.43 2.20 -10.34	30.71 2.31 -4.08	30.07 2.14 -3.59	29.22 2.05 -2.76	31.16 2.17 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	36.89 3.28 -1.45	40.96 3.40 -3.90	41.13 3.56 -3.95	41.41 3.62 -4.23	42.65 3.81 -3.87	45.64 4.00 -3.21	44.35 4.18 -0.03	49.37 4.49 0.00	57.98 5.37 0.00	68.31 6.04 0.00	58.76 4.70 0.01	48.64 3.69 0.00	44.25 3.58 0.00	40.29 3.73 -0.74	36.07 3.40 -0.59	34.59 3.10 -2.80
ASTORIA_GT_8 24108	42.79 2.75 -12.01	36.43 2.20 -10.34	30.71 2.31 -4.08	30.07 2.14 -3.59	29.22 2.05 -2.76	31.16 2.17 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	36.89 3.28 -1.45	40.96 3.40 -3.90	41.13 3.56 -3.95	41.41 3.62 -4.23	42.65 3.81 -3.87	45.64 4.00 -3.21	44.35 4.18 -0.03	49.37 4.49 0.00	57.98 5.37 0.00	68.31 6.04 0.00	58.76 4.70 0.01	48.64 3.69 0.00	44.25 3.58 0.00	40.29 3.73 -0.74	36.07 3.40 -0.59	34.59 3.10 -2.80
ASTORIA___2 24149	42.73 2.69 -12.01	36.38 2.15 -10.34	30.66 2.26 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.10 2.12 -2.85	35.40 2.54 -2.99	37.45 3.09 0.01	36.80 3.18 -1.45	40.90 3.33 -3.91	41.05 3.50 -3.94	41.33 3.56 -4.22	42.57 3.74 -3.87	45.56 3.92 -3.20	47.25 4.05 -3.05	49.22 4.35 0.01	57.82 5.21 0.01	68.12 5.85 0.01	58.49 4.43 0.01	48.41 3.46 0.01	44.12 3.45 0.01	40.22 3.62 -0.78	36.04 3.34 -0.62	34.63 2.98 -2.96
ASTORIA___3 23516	42.61 2.58 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.02 2.09 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.46 2.60 -3.00	37.50 3.13 0.00	37.75 3.25 -2.34	40.94 3.37 -3.91	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.70 -3.87	45.53 3.88 -3.21	47.30 4.01 -3.13	49.32 4.44 0.00	57.93 5.31 0.00	68.19 5.92 0.00	58.55 4.49 0.01	48.46 3.51 0.00	44.17 3.50 0.00	40.19 3.58 -0.78	36.00 3.30 -0.62	34.52 2.87 -2.96
ASTORIA___4 23517	42.61 2.58 -12.00	36.35 2.13 -10.34	30.61 2.21 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	37.74 3.25 -2.33	40.93 3.37 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.53 3.88 -3.21	47.30 4.02 -3.13	49.32 4.44 0.00	57.88 5.26 0.00	68.19 5.92 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.17 3.50 0.00	40.11 3.55 -0.74	35.97 3.30 -0.59	34.36 2.87 -2.80
ASTORIA___5 23518	42.61 2.58 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.02 2.09 -3.59	29.17 2.00 -2.76	31.13 2.14 -2.85	35.46 2.60 -3.00	37.50 3.13 0.00	37.75 3.25 -2.34	40.94 3.37 -3.91	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.70 -3.87	45.53 3.88 -3.21	47.30 4.01 -3.13	49.32 4.44 0.00	57.93 5.31 0.00	68.19 5.92 0.00	58.55 4.49 0.01	48.46 3.51 0.00	44.17 3.50 0.00	40.19 3.58 -0.78	36.00 3.30 -0.62	34.52 2.87 -2.96
AST_ENERGY_2_CC3 323677	42.47 2.44 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.93 2.00 -3.59	29.07 1.90 -2.76	31.08 2.09 -2.85	35.40 2.54 -3.00	37.39 3.03 0.00	36.69 3.09 -1.45	40.82 3.26 -3.90	40.84 3.39 -3.83	41.12 3.46 -4.10	42.31 3.60 -3.74	45.36 3.81 -3.11	47.24 4.05 -3.04	49.35 4.49 0.02	58.02 5.42 0.02	68.30 6.04 0.02	58.70 4.65 0.02	48.57 3.64 0.02	44.15 3.50 0.02	39.97 3.37 -0.78	35.85 3.15 -0.62	34.35 2.70 -2.96
AST_ENERGY_2_CC4 323678	42.47 2.44 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.93 2.00 -3.59	29.07 1.90 -2.76	31.08 2.09 -2.85	35.40 2.54 -3.00	37.39 3.03 0.00	36.69 3.09 -1.45	40.82 3.26 -3.90	40.84 3.39 -3.83	41.12 3.46 -4.10	42.31 3.60 -3.74	45.36 3.81 -3.11	47.24 4.05 -3.04	49.35 4.49 0.02	58.02 5.42 0.02	68.30 6.04 0.02	58.70 4.65 0.02	48.57 3.64 0.02	44.15 3.50 0.02	39.97 3.37 -0.78	35.85 3.15 -0.62	34.35 2.70 -2.96

ATHENS_STG_1 23668	42.85 1.37 -13.45	36.62 1.15 -11.59	30.08 1.19 -4.57	29.53 1.17 -4.03	28.65 1.15 -3.10	30.58 1.25 -3.19	34.69 1.43 -3.39	36.05 1.68 0.00	35.48 1.67 -1.65	38.33 1.75 -2.92	35.32 1.71 0.00	35.30 1.74 0.00	36.81 1.85 0.00	40.41 1.85 -0.13	42.12 1.97 0.00	47.08 2.20 0.00	55.25 2.63 0.00	65.20 2.93 0.00	56.50 2.44 0.00	46.88 1.93 0.00	42.54 1.87 0.00	38.47 1.79 -0.86	34.43 1.67 -0.68	33.40 1.46 -3.24
ATHENS_STG_2 23670	42.85 1.37 -13.45	36.62 1.15 -11.59	30.08 1.19 -4.57	29.53 1.17 -4.03	28.65 1.15 -3.10	30.58 1.25 -3.19	34.69 1.43 -3.39	36.05 1.68 0.00	35.48 1.67 -1.65	38.33 1.75 -2.92	35.32 1.71 0.00	35.30 1.74 0.00	36.81 1.85 0.00	40.41 1.85 -0.13	42.12 1.97 0.00	47.08 2.20 0.00	55.25 2.63 0.00	65.20 2.93 0.00	56.50 2.44 0.00	46.88 1.93 0.00	42.54 1.87 0.00	38.47 1.79 -0.86	34.43 1.67 -0.68	33.40 1.46 -3.24
ATHENS_STG_3 23677	42.85 1.37 -13.45	36.62 1.15 -11.59	30.08 1.19 -4.57	29.53 1.17 -4.03	28.65 1.15 -3.10	30.58 1.25 -3.19	34.69 1.43 -3.39	36.05 1.68 0.00	35.48 1.67 -1.65	38.33 1.75 -2.92	35.32 1.71 0.00	35.30 1.74 0.00	36.81 1.85 0.00	40.41 1.85 -0.13	42.12 1.97 0.00	47.08 2.20 0.00	55.25 2.63 0.00	65.20 2.93 0.00	56.50 2.44 0.00	46.88 1.93 0.00	42.54 1.87 0.00	38.47 1.79 -0.86	34.43 1.67 -0.68	33.40 1.46 -3.24
AUBURN___LFGE 323710	29.40 0.06 -1.32	25.00 -0.02 -1.14	24.75 -0.02 -0.45	24.68 -0.05 -0.39	24.66 -0.05 -0.30	26.45 0.00 -0.31	30.62 0.06 -0.70	35.51 0.24 -0.91	33.20 0.06 -0.98	35.30 0.13 -1.51	34.15 0.17 -0.37	34.22 0.23 -0.42	35.70 0.17 -0.56	39.56 0.27 -0.85	41.33 0.16 -1.02	46.45 0.13 -1.43	55.80 0.21 -2.97	67.00 0.44 -4.29	54.18 0.32 0.21	45.67 0.18 -0.54	41.00 0.24 -0.08	36.05 0.07 -0.15	32.40 0.16 -0.16	29.14 0.11 -0.33
BABYLON_RES_REC 323704	86.08 3.14 -54.91	72.14 2.58 -45.68	55.02 2.63 -28.07	44.66 2.51 -17.81	43.82 2.42 -17.00	44.93 2.61 -16.18	40.18 3.13 -7.18	44.52 3.75 -6.41	48.16 3.76 -12.24	61.20 4.00 -23.54	65.78 4.10 -28.07	66.93 4.09 -29.28	67.23 4.33 -27.93	69.93 4.61 -26.88	73.35 4.86 -28.34	74.73 5.43 -24.42	78.52 6.47 -19.43	81.50 7.41 -11.82	81.94 6.05 -21.82	74.73 4.76 -25.02	72.48 4.55 -27.26	69.71 4.22 -29.66	65.46 3.85 -29.53	64.25 3.33 -32.23
BABYLON__69_KV_BK2 356345	86.55 3.62 -54.91	72.55 2.99 -45.68	55.39 2.99 -28.07	45.02 2.87 -17.81	44.18 2.78 -17.00	45.33 3.01 -16.18	40.66 3.58 -7.21	45.07 4.30 -6.41	48.70 4.31 -12.23	61.73 4.54 -23.53	66.32 4.64 -28.07	67.41 4.56 -29.29	68.64 4.86 -28.82	75.68 5.19 -32.05	79.62 5.50 -33.96	81.83 5.97 -30.98	88.54 7.16 -28.77	93.83 8.22 -23.33	94.71 6.81 -33.83	83.29 5.35 -32.99	78.95 5.21 -33.07	73.16 4.76 -32.57	65.91 4.33 -29.49	64.61 3.84 -32.07
BALL_HILL_WT_PWR 323825	28.97 -0.87 -1.81	24.56 -0.88 -1.56	24.06 -0.87 -0.61	23.95 -0.92 -0.54	23.82 -1.00 -0.42	25.52 -1.05 -0.43	28.98 -1.34 -0.46	30.03 -1.96 2.38	28.46 -1.87 1.83	29.64 -2.05 1.97	29.75 -1.88 1.98	30.83 -1.81 0.92	32.06 -1.85 1.05	35.55 -1.73 1.16	36.67 -2.25 1.23	39.41 -3.14 2.33	46.98 -3.79 1.85	51.14 -4.24 6.89	49.37 -2.81 1.89	41.06 -2.34 1.55	37.85 -2.03 0.79	33.36 -2.08 0.38	30.68 -1.48 -0.08	27.97 -1.09 -0.37
BARON_WINDS___WT_PWR 323822	29.91 -0.48 -2.35	25.41 -0.50 -2.03	24.59 -0.54 -0.80	24.43 -0.61 -0.70	24.31 -0.63 -0.54	26.07 -0.63 -0.56	29.81 -0.75 -0.69	30.30 -1.44 2.62	28.59 -1.51 2.05	29.88 -1.58 2.20	29.91 -1.61 2.09	31.59 -1.54 0.43	32.90 -1.61 0.46	36.43 -1.58 0.43	37.76 -2.01 0.39	40.68 -2.56 1.64	49.58 -2.89 0.14	51.65 -3.24 7.38	50.32 -2.27 1.48	41.44 -1.98 1.54	38.30 -1.75 0.62	33.78 -1.79 0.25	30.93 -1.25 -0.10	28.15 -1.00 -0.46
BARRETT_IC_1 23704	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_10 23701	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_11 23702	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_12 23703	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_2 23705	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_3 23706	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_4 23707	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23

BARRETT_IC_5 23708	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_6 23709	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_7 23710	85.52 2.58 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.82 2.75 -7.21	43.90 3.13 -6.41	47.48 3.09 -12.23	60.38 3.20 -23.53	64.88 3.19 -28.07	66.08 3.26 -29.27	65.93 3.46 -27.51	66.13 3.65 -24.03	69.67 3.85 -25.66	70.49 4.31 -21.30	72.81 5.21 -14.99	74.47 5.85 -6.34	74.81 4.65 -16.09	69.81 3.64 -21.22	68.66 3.50 -24.49	67.33 3.30 -28.21	64.91 3.34 -29.49	63.69 2.93 -32.07
BARRETT_IC_8 23711	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT_IC_9 23700	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT___1 23545	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BARRETT___2 23546	85.49 2.55 -54.91	71.76 2.20 -45.68	54.73 2.34 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.79 2.75 -7.18	43.87 3.09 -6.41	47.48 3.09 -12.24	60.40 3.20 -23.54	64.88 3.19 -28.07	66.12 3.29 -29.27	65.92 3.46 -27.50	66.12 3.65 -24.03	69.66 3.85 -25.65	70.48 4.31 -21.29	72.81 5.21 -14.98	74.46 5.85 -6.33	74.80 4.65 -16.09	69.76 3.60 -21.21	68.61 3.45 -24.48	67.36 3.29 -28.25	64.91 3.30 -29.53	63.82 2.90 -32.23
BATAVIA___115KV_TB1 55881	29.15 -0.39 -1.51	24.69 -0.50 -1.30	24.38 -0.46 -0.51	24.25 -0.54 -0.45	24.17 -0.59 -0.35	25.89 -0.60 -0.36	29.47 -0.78 -0.38	30.49 -1.62 2.26	28.88 -1.58 1.70	30.07 -1.82 1.77	30.35 -1.31 1.95	31.43 -1.04 1.09	32.36 -1.36 1.24	35.91 -1.15 1.37	37.02 -1.69 1.45	39.93 -2.51 2.43	47.50 -3.00 2.12	52.86 -3.11 6.30	50.08 -1.95 2.04	41.96 -1.44 1.56	38.80 -1.02 0.85	34.03 -1.36 0.43	31.25 -0.90 -0.07	28.61 -0.40 -0.32
BAYONEEC___CTG1 323682	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG10 323750	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG2 323683	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG3 323684	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG4 323685	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG5 323686	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG6 323687	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96

BAYONEEC___CTG7 323688	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG8 323689	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BAYONEEC___CTG9 323749	42.47 2.44 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.87 3.30 -3.92	40.84 3.39 -3.83	41.12 3.46 -4.10	42.39 3.67 -3.76	45.41 3.84 -3.13	47.29 4.10 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.38 6.11 0.00	58.83 4.76 0.00	48.59 3.64 0.00	44.21 3.54 0.00	40.01 3.40 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
BEACON___LESR 323632	44.51 1.26 -15.22	38.07 1.08 -13.11	30.59 1.10 -5.17	29.99 1.10 -4.56	29.05 1.15 -3.50	30.95 1.20 -3.61	35.07 1.37 -3.84	35.85 1.48 0.00	35.44 1.41 -1.86	38.27 1.45 -3.16	34.99 1.38 0.00	34.97 1.41 0.00	36.47 1.50 0.00	40.04 1.50 -0.10	41.80 1.65 0.00	46.76 1.88 0.00	54.78 2.16 0.00	65.01 2.74 0.00	56.50 2.44 0.00	47.02 2.07 0.00	42.62 1.95 0.00	38.47 1.68 -0.96	34.29 1.44 -0.76	33.61 1.29 -3.63
BEAVER RIVER___HYD 24048	27.39 -1.01 -0.37	23.35 -0.86 -0.32	23.60 -0.85 -0.13	23.77 -0.68 -0.11	23.88 -0.61 -0.09	25.62 -0.60 -0.09	29.63 -0.54 -0.30	33.86 -0.62 -0.11	31.51 -0.80 -0.15	33.14 -0.84 -0.32	32.64 -0.98 0.00	32.38 -1.28 -0.10	33.27 -1.54 0.16	37.00 -1.69 -0.25	35.09 -1.77 3.29	36.82 -1.97 6.09	47.69 -2.31 2.61	54.72 -2.49 5.06	48.27 -1.94 3.86	42.04 -1.44 1.48	39.07 -1.18 0.42	34.87 -1.04 -0.09	31.11 -1.03 -0.06	27.97 -0.80 -0.09
BEEBEE_GT_13 23619	28.92 -0.39 -1.28	24.56 -0.43 -1.10	24.32 -0.44 -0.43	24.23 -0.49 -0.38	24.21 -0.49 -0.29	25.92 -0.52 -0.30	29.53 -0.66 -0.32	30.82 -1.37 2.17	29.21 -1.32 1.63	30.55 -1.45 1.66	30.79 -0.91 1.92	31.64 -0.70 1.21	32.68 -0.91 1.38	36.14 -1.16 1.53	37.38 -1.71 1.61	40.67 -1.71 2.51	48.34 -2.00 2.28	54.24 -2.12 5.91	50.62 -1.30 2.16	42.36 -1.03 1.56	39.00 -0.77 0.90	34.35 -1.00 0.47	31.46 -0.67 -0.06	28.62 -0.34 -0.27
BENSHRST_27_KV_BENSHRST_1 355998	43.03 2.94 -12.06	36.61 2.36 -10.36	30.87 2.46 -4.09	30.28 2.34 -3.61	29.44 2.27 -2.77	31.42 2.43 -2.85	35.82 2.93 -3.03	37.96 3.54 -0.06	43.46 3.60 -7.70	41.33 3.77 -3.90	41.46 3.90 -3.95	41.75 3.96 -4.23	64.80 4.20 -25.65	46.10 4.46 -3.21	49.23 4.62 -4.46	50.05 5.12 -0.06	90.14 6.10 -31.42	69.24 6.91 -0.06	59.55 5.41 -0.07	49.22 4.27 0.00	44.82 4.15 0.00	40.79 4.05 -0.92	43.26 3.69 -7.49	34.73 3.18 -2.86
BETHLEHEM___GRP 23843	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.66 0.75 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.55 0.84 -3.85	35.26 0.89 0.00	34.89 0.87 -1.86	37.72 0.91 -3.16	34.49 0.87 0.00	34.43 0.87 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.20 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.41 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.81 1.04 -0.95	33.76 0.93 -0.75	33.10 0.83 -3.58
BETHLEHEM___GS1 323560	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.63 0.73 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.54 0.84 -3.84	35.26 0.89 0.00	34.90 0.87 -1.87	37.73 0.91 -3.17	34.48 0.87 0.00	34.47 0.91 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.19 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.40 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.82 1.04 -0.96	33.77 0.93 -0.76	33.16 0.83 -3.64
BETHLEHEM___GS2 323561	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.63 0.73 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.54 0.84 -3.84	35.26 0.89 0.00	34.90 0.87 -1.87	37.73 0.91 -3.17	34.48 0.87 0.00	34.47 0.91 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.19 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.40 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.82 1.04 -0.96	33.77 0.93 -0.76	33.16 0.83 -3.64
BETHLEHEM___GS3 323562	44.05 0.78 -15.24	37.69 0.67 -13.13	30.23 0.73 -5.18	29.63 0.73 -4.56	28.69 0.78 -3.51	30.54 0.78 -3.62	34.54 0.84 -3.84	35.26 0.89 0.00	34.90 0.87 -1.87	37.73 0.91 -3.17	34.48 0.87 0.00	34.47 0.91 0.00	35.94 0.98 0.00	39.46 0.92 -0.10	41.19 1.04 0.00	46.09 1.21 0.00	53.93 1.32 0.00	63.89 1.62 0.00	55.47 1.40 0.00	46.17 1.21 0.00	41.89 1.22 0.00	37.82 1.04 -0.96	33.77 0.93 -0.76	33.16 0.83 -3.64
BETHLEHEM___STEEL 23779	28.82 -0.98 -1.77	24.46 -0.96 -1.53	23.95 -0.97 -0.60	23.85 -1.02 -0.53	23.71 -1.10 -0.41	25.38 -1.18 -0.42	28.82 -1.49 -0.45	29.90 -2.10 2.38	28.37 -1.99 1.80	29.53 -2.22 1.91	29.60 -2.02 2.00	30.84 -1.78 0.94	31.83 -2.06 1.07	35.33 -1.92 1.19	36.40 -2.49 1.26	39.16 -3.37 2.35	46.62 -4.10 1.89	50.91 -4.61 6.76	48.86 -3.30 1.91	40.65 -2.74 1.56	37.68 -2.20 0.80	33.15 -2.29 0.38	30.52 -1.64 -0.08	27.95 -1.12 -0.38
BETHLHEM_115KV_TB1 79974	44.10 0.84 -15.23	37.75 0.74 -13.12	30.28 0.78 -5.17	29.68 0.78 -4.56	28.71 0.81 -3.51	30.56 0.81 -3.62	34.60 0.90 -3.84	35.33 0.96 0.00	34.95 0.93 -1.86	37.79 0.98 -3.15	34.55 0.94 0.00	34.53 0.97 0.00	36.01 1.05 0.00	39.54 1.00 -0.10	41.28 1.12 0.00	46.18 1.30 0.00	54.04 1.42 0.00	64.02 1.74 0.00	55.58 1.51 0.00	46.26 1.30 0.00	41.97 1.30 0.00	37.88 1.11 -0.95	33.82 0.99 -0.75	33.15 0.89 -3.57
BETHPAGE_CC_5 323564	85.71 2.78 -54.91	71.86 2.29 -45.68	54.75 2.36 -28.07	44.39 2.24 -17.81	43.60 2.20 -17.00	44.67 2.35 -16.18	39.91 2.87 -7.18	44.15 3.37 -6.41	47.80 3.41 -12.24	60.80 3.60 -23.54	65.38 3.70 -28.07	66.59 3.76 -29.27	66.54 3.95 -27.63	67.91 4.19 -25.28	71.03 4.46 -26.43	72.05 4.98 -22.19	74.87 6.00 -16.26	77.03 6.85 -7.90	77.25 5.46 -17.73	71.53 4.27 -22.31	70.02 4.07 -25.28	68.27 3.80 -28.66	65.07 3.47 -29.53	63.91 2.98 -32.23
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	28.85 -0.98 -1.80	24.46 -0.98 -1.55	23.94 -1.00 -0.61	23.83 -1.05 -0.54	23.70 -1.12 -0.41	25.36 -1.20 -0.43	28.79 -1.52 -0.45	30.06 -1.92 2.38	28.49 -1.87 1.80	29.69 -2.05 1.92	29.60 -2.02 2.00	30.89 -1.75 0.93	31.88 -2.03 1.05	35.38 -1.88 1.17	36.46 -2.45 1.24	39.22 -3.32 2.33	46.70 -4.05 1.86	50.94 -4.55 6.78	48.93 -3.24 1.89	40.70 -2.70 1.55	37.68 -2.20 0.79	33.15 -2.29 0.38	30.49 -1.67 -0.08	27.93 -1.15 -0.38

BINGHAMTON___COGEN 23790	31.61 0.20 -3.39	26.90 0.10 -2.92	25.57 0.10 -1.15	25.42 0.07 -1.01	25.23 0.05 -0.78	27.02 0.08 -0.80	31.01 0.12 -1.03	35.79 0.58 -0.84	33.74 0.45 -1.12	35.71 0.47 -1.58	34.62 0.44 -0.57	34.74 0.47 -0.71	36.29 0.45 -0.88	40.14 0.54 -1.16	42.04 0.40 -1.49	47.30 0.40 -2.02	56.58 0.53 -3.44	66.95 0.68 -3.99	54.31 0.49 0.24	45.57 0.31 -0.30	40.95 0.28 0.00	36.20 0.14 -0.24	32.61 0.26 -0.27	29.83 0.23 -0.91
BIXINCNT_115KV_LOAD 355685	28.82 -1.12 -1.91	24.36 -1.17 -1.64	23.83 -1.14 -0.65	23.74 -1.17 -0.57	23.62 -1.22 -0.44	25.26 -1.33 -0.45	28.73 -1.61 -0.48	30.41 -1.58 2.38	28.73 -1.64 1.79	30.00 -1.78 1.87	29.53 -2.08 2.00	30.86 -1.88 0.82	31.78 -2.27 0.91	35.27 -2.19 0.98	36.43 -2.73 0.99	39.26 -3.55 2.07	47.13 -4.21 1.28	51.09 -4.67 6.52	48.94 -3.35 1.78	40.76 -2.74 1.45	37.71 -2.24 0.73	33.09 -2.40 0.33	30.38 -1.80 -0.10	27.81 -1.29 -0.41
BLACK RIVER___HYD 24047	27.71 -0.84 -0.52	23.59 -0.74 -0.45	23.77 -0.73 -0.18	23.86 -0.63 -0.15	23.99 -0.54 -0.12	25.71 -0.55 -0.12	29.93 -0.42 -0.49	34.11 -0.45 -0.18	31.67 -0.74 -0.24	33.41 -0.77 -0.52	32.74 -0.87 0.00	32.62 -1.11 -0.16	33.60 -1.40 -0.03	37.32 -1.54 -0.42	36.59 -1.65 1.91	39.32 -1.84 3.72	49.76 -2.16 0.70	57.62 -2.24 2.41	50.31 -1.57 2.19	43.33 -1.12 0.50	39.78 -0.86 0.04	35.23 -0.82 -0.23	31.34 -0.83 -0.09	28.09 -0.72 -0.12
BLACKRVR_115KV_TB2 79977	27.71 -0.84 -0.52	23.59 -0.74 -0.45	23.77 -0.73 -0.18	23.86 -0.63 -0.15	23.96 -0.56 -0.12	25.71 -0.55 -0.12	29.93 -0.42 -0.49	34.11 -0.45 -0.18	31.67 -0.74 -0.25	33.41 -0.77 -0.53	32.74 -0.87 0.00	32.62 -1.11 -0.16	33.60 -1.40 -0.03	37.32 -1.54 -0.42	36.60 -1.65 1.91	39.33 -1.84 3.71	49.78 -2.16 0.68	57.65 -2.24 2.38	50.31 -1.57 2.19	43.31 -1.12 0.52	39.77 -0.85 0.04	35.22 -0.82 -0.23	31.34 -0.83 -0.09	28.09 -0.72 -0.12
BLISS_WT_PWR 323608	28.76 -1.18 -1.91	24.31 -1.22 -1.64	23.81 -1.17 -0.65	23.69 -1.22 -0.57	23.60 -1.24 -0.44	25.23 -1.36 -0.45	28.70 -1.64 -0.48	30.20 -1.79 2.38	28.50 -1.83 1.82	29.89 -1.85 1.92	29.51 -2.12 1.99	30.66 -2.08 0.82	31.71 -2.34 0.91	35.19 -2.27 0.98	36.32 -2.81 1.02	39.05 -3.72 2.10	46.89 -4.37 1.36	50.65 -4.92 6.71	48.95 -3.30 1.82	40.75 -2.65 1.55	37.63 -2.28 0.76	33.06 -2.40 0.36	30.36 -1.80 -0.08	27.70 -1.38 -0.38
BLUESTONE___WT_PWR 323821	32.97 1.80 -3.15	28.01 1.41 -2.71	26.80 1.41 -1.07	26.64 1.36 -0.94	26.54 1.41 -0.72	28.50 1.62 -0.75	32.95 2.09 -0.99	39.46 2.78 -2.31	36.85 2.22 -2.48	39.36 2.46 -3.25	37.12 2.22 -1.29	36.43 2.15 -0.72	37.81 1.96 -0.89	41.93 2.31 -1.19	43.30 1.97 -1.18	49.02 2.11 -2.03	57.80 2.47 -2.71	72.29 3.24 -6.78	56.76 3.03 0.34	47.74 2.52 -0.28	42.84 2.28 0.11	37.85 1.86 -0.17	33.96 1.67 -0.21	31.01 1.43 -0.88
BLUE_CIRC_CHEM_DRP 24182	44.11 1.12 -14.95	37.75 0.98 -12.89	30.40 1.00 -5.08	29.81 1.00 -4.48	28.87 1.02 -3.44	30.76 1.07 -3.55	34.83 1.19 -3.77	35.61 1.24 0.00	35.11 1.13 -1.83	37.84 1.11 -3.07	34.59 0.97 0.00	34.50 0.94 0.00	35.98 1.01 0.00	39.49 0.96 -0.09	41.24 1.08 0.00	46.13 1.26 0.00	54.14 1.53 0.00	64.27 1.99 0.00	55.96 1.89 0.00	46.61 1.66 0.00	42.26 1.59 0.00	38.15 1.40 -0.93	34.03 1.22 -0.73	33.32 1.12 -3.51
BOC_GAS_DRP 24189	44.16 0.95 -15.17	37.77 0.81 -13.07	30.33 0.85 -5.15	29.73 0.85 -4.54	28.75 0.85 -3.49	30.65 0.91 -3.60	34.71 1.02 -3.83	35.50 1.13 0.00	35.14 1.13 -1.85	37.97 1.18 -3.13	34.72 1.11 0.00	34.67 1.11 0.00	36.15 1.19 0.00	39.73 1.19 -0.09	41.44 1.28 0.00	46.36 1.48 0.00	54.30 1.68 0.00	64.27 1.99 0.00	55.80 1.73 0.00	46.34 1.39 0.00	42.05 1.38 0.00	37.98 1.22 -0.94	33.95 1.12 -0.75	33.26 1.00 -3.56
BOONVILLE_115KV_TB1 79983	28.60 0.25 -0.32	24.35 0.19 -0.27	24.65 0.22 -0.11	24.72 0.29 -0.10	24.82 0.34 -0.07	26.60 0.39 -0.08	30.61 0.57 -0.18	35.14 0.72 -0.05	32.76 0.51 -0.09	34.37 0.54 -0.17	34.08 0.47 0.00	33.87 0.27 -0.04	35.06 0.10 0.01	38.71 0.15 -0.11	39.17 0.16 1.15	42.88 0.13 2.14	51.97 0.16 0.81	60.82 0.37 1.82	53.16 0.54 1.45	44.85 0.45 0.55	41.00 0.49 0.15	36.23 0.36 -0.05	32.40 0.29 -0.03	29.08 0.32 -0.07
BORALEX_4TH_BRANCH 23824	45.13 1.93 -15.16	38.58 1.62 -13.07	31.13 1.65 -5.15	30.51 1.63 -4.54	29.53 1.64 -3.49	31.49 1.75 -3.60	35.72 2.03 -3.83	36.64 2.27 0.00	36.13 2.12 -1.85	39.07 2.22 -3.19	35.49 1.88 0.00	35.44 1.88 0.00	36.96 1.99 0.00	40.59 2.04 -0.11	42.48 2.33 0.00	47.62 2.74 0.00	55.83 3.21 0.00	66.26 3.99 0.00	57.69 3.62 0.00	47.87 2.92 0.00	43.35 2.68 0.00	38.95 2.19 -0.94	34.81 1.99 -0.74	34.08 1.84 -3.56
BOWLINE___1 23526	41.63 1.99 -11.61	35.54 1.65 -10.00	29.99 1.73 -3.94	29.47 1.66 -3.48	28.69 1.61 -2.67	30.62 1.72 -2.76	34.78 2.03 -2.88	36.71 2.34 0.00	35.95 2.38 -1.41	35.22 2.53 0.96	36.20 2.59 0.00	36.21 2.65 0.00	37.76 2.80 0.00	40.34 2.92 1.02	43.24 3.09 0.00	48.38 3.50 0.00	56.88 4.26 0.00	67.00 4.73 0.00	57.75 3.68 0.00	47.74 2.79 0.00	43.39 2.73 0.00	39.23 2.65 -0.76	35.21 2.53 -0.60	33.77 2.21 -2.87
BOWLINE___2 23595	41.57 1.93 -11.61	35.49 1.60 -10.00	29.97 1.70 -3.94	29.44 1.63 -3.48	28.69 1.61 -2.67	30.59 1.70 -2.76	34.72 1.97 -2.89	36.67 2.30 0.00	35.91 2.35 -1.41	35.22 2.53 0.96	36.20 2.59 0.00	36.21 2.65 0.00	37.76 2.80 0.00	40.34 2.92 1.02	43.24 3.09 0.00	48.42 3.54 0.00	56.88 4.26 0.00	67.07 4.80 0.00	57.75 3.68 0.00	47.74 2.79 0.00	43.39 2.73 0.00	39.19 2.61 -0.76	35.22 2.53 -0.60	33.74 2.18 -2.87
BRADY___115KV_TB2 356060	27.08 -0.95 0.00	23.17 -0.72 0.00	23.59 -0.73 0.00	23.66 -0.68 0.00	23.77 -0.63 0.00	25.48 -0.65 0.00	29.15 -0.72 0.00	33.34 -1.03 0.00	31.07 -1.09 0.00	32.48 -1.18 0.00	32.33 -1.28 0.00	32.18 -1.38 0.00	32.54 -1.43 0.99	37.02 -1.42 0.00	26.15 -1.45 12.55	20.69 -1.62 22.57	37.99 -1.95 12.68	38.85 -2.30 21.12	38.37 -2.00 13.70	37.48 -1.35 6.12	37.73 -1.14 1.80	34.89 -0.93 0.00	31.09 -0.99 0.00	27.80 -0.89 0.00
BRANSCOMB___SOLAR 323811	45.41 1.71 -15.67	38.87 1.48 -13.50	31.06 1.41 -5.32	30.44 1.41 -4.69	29.48 1.46 -3.61	31.43 1.57 -3.72	35.67 1.85 -3.95	36.43 2.06 0.00	35.94 1.86 -1.92	38.78 1.88 -3.24	35.23 1.61 0.00	35.20 1.64 0.00	36.71 1.75 0.00	40.15 1.61 -0.09	42.00 1.85 0.00	47.03 2.15 0.00	55.14 2.53 0.00	65.51 3.24 0.00	57.20 3.13 0.00	47.74 2.79 0.00	43.39 2.73 0.00	39.10 2.29 -0.99	34.82 1.96 -0.78	34.09 1.66 -3.73
BRENTWOD_69_KV_W. BRTWOOD 56703	86.38 3.45 -54.91	72.43 2.87 -45.68	55.27 2.87 -28.07	44.90 2.75 -17.81	44.06 2.66 -17.00	45.20 2.88 -16.18	40.54 3.46 -7.21	44.97 4.19 -6.41	48.54 4.15 -12.23	61.59 4.41 -23.53	66.19 4.50 -28.07	67.18 4.33 -29.29	68.42 4.62 -28.84	76.29 4.92 -32.93	79.41 5.18 -34.08	81.34 5.34 -31.12	88.00 6.42 -28.97	93.26 7.41 -23.58	94.21 6.06 -34.09	82.83 4.72 -33.16	78.75 4.88 -33.20	72.94 4.48 -32.64	65.75 4.17 -29.49	64.46 3.70 -32.07



BRISTLHL_115KV_TB1 79998	28.36 -0.48 -0.81	24.16 -0.43 -0.70	24.14 -0.46 -0.28	24.09 -0.49 -0.24	24.10 -0.49 -0.19	25.81 -0.52 -0.19	30.29 -0.57 -0.99	35.16 -0.58 -1.37	32.78 -0.64 -1.26	34.88 -0.64 -1.86	33.98 -0.57 -0.93	34.15 -0.57 -1.16	35.77 -0.63 -1.44	39.70 -0.69 -1.95	41.58 -0.80 -2.23	46.88 -0.90 -2.90	57.09 -1.05 -5.52	67.32 -1.12 -6.16	54.69 -0.97 -1.60	45.97 -0.85 -1.87	40.92 -0.69 -0.94	35.83 -0.64 -0.65	31.75 -0.51 -0.19	28.42 -0.46 -0.19
BROOKHAVEN___DRP 24191	86.22 3.28 -54.91	72.26 2.70 -45.68	55.10 2.70 -28.07	44.73 2.58 -17.81	43.89 2.49 -17.00	45.01 2.69 -16.18	40.27 3.20 -7.21	44.69 3.92 -6.41	48.34 3.96 -12.23	61.43 4.24 -23.53	66.10 4.40 -28.08	67.21 4.30 -29.35	73.41 4.65 -33.79	105.77 5.07 -62.25	110.92 5.30 -65.47	118.39 5.79 -67.73	140.53 6.84 -81.07	158.12 8.03 -87.82	161.81 6.60 -101.14	127.82 5.21 -77.65	111.32 5.00 -65.64	89.52 4.59 -49.12	65.68 4.11 -29.49	64.35 3.59 -32.07
BROOKLYN_NAVY_YARD 23515	42.50 2.47 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.93 2.00 -3.59	29.09 1.93 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.43 3.06 0.00	36.78 3.15 -1.46	40.91 3.33 -3.92	40.94 3.50 -3.83	41.22 3.56 -4.10	42.39 3.67 -3.76	45.49 3.92 -3.13	47.37 4.18 -3.04	49.50 4.62 0.00	58.14 5.52 0.00	68.50 6.23 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.29 3.62 0.00	40.04 3.44 -0.78	35.91 3.21 -0.62	34.38 2.73 -2.96
BROOKLYN___ARMY_DRP 323595	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
BROOKVLE_69_KV_TB1 55790	85.88 2.94 -54.91	72.00 2.44 -45.68	54.88 2.48 -28.07	44.54 2.39 -17.81	43.82 2.42 -17.00	44.96 2.64 -16.18	40.18 3.11 -7.21	44.49 3.71 -6.41	47.96 3.57 -12.23	60.99 3.80 -23.53	65.62 3.93 -28.07	66.86 4.03 -29.27	66.74 4.27 -27.51	67.05 4.57 -24.03	70.63 4.82 -25.66	71.61 5.43 -21.30	74.13 6.52 -14.99	76.02 7.41 -6.34	76.16 6.00 -16.09	70.85 4.67 -21.22	69.51 4.35 -24.49	68.05 4.01 -28.21	65.20 3.63 -29.49	63.92 3.16 -32.07
BROOME_2_LFGE 323671	31.59 0.17 -3.39	26.90 0.10 -2.92	25.57 0.10 -1.15	25.42 0.07 -1.01	25.23 0.05 -0.78	27.02 0.08 -0.80	31.02 0.12 -1.03	35.72 0.52 -0.84	33.74 0.42 -1.16	35.77 0.47 -1.64	34.62 0.44 -0.57	34.70 0.44 -0.71	36.29 0.45 -0.88	40.13 0.54 -1.16	41.98 0.40 -1.42	47.21 0.40 -1.93	56.40 0.53 -3.26	66.71 0.62 -3.81	54.13 0.49 0.42	45.16 0.32 0.10	40.77 0.25 0.14	36.10 0.14 -0.13	32.54 0.26 -0.20	29.73 0.23 -0.82
BROOME___LFGE 323600	31.59 0.17 -3.39	26.90 0.10 -2.92	25.57 0.10 -1.15	25.42 0.07 -1.01	25.23 0.05 -0.78	27.02 0.08 -0.80	31.02 0.12 -1.03	35.72 0.52 -0.84	33.74 0.42 -1.16	35.77 0.47 -1.64	34.62 0.44 -0.57	34.70 0.44 -0.71	36.29 0.45 -0.88	40.13 0.54 -1.16	41.98 0.40 -1.42	47.21 0.40 -1.93	56.40 0.53 -3.26	66.71 0.62 -3.81	54.13 0.49 0.42	45.16 0.32 0.10	40.77 0.25 0.14	36.10 0.14 -0.13	32.54 0.26 -0.20	29.73 0.23 -0.82
BROWNFLS_115KV_TB_3_5 80003	26.74 -1.54 -0.26	22.84 -1.27 -0.22	23.12 -1.29 -0.09	23.25 -1.17 -0.08	23.34 -1.12 -0.06	25.05 -1.15 -0.06	28.88 -1.19 -0.21	33.00 -1.44 -0.07	30.75 -1.51 -0.11	32.30 -1.58 -0.22	31.93 -1.68 0.00	31.71 -1.91 -0.07	32.35 -2.13 0.48	36.34 -2.27 -0.17	31.39 -2.37 6.39	30.62 -2.65 11.61	43.52 -3.10 5.99	48.48 -3.55 10.25	44.04 -2.97 7.05	39.75 -2.20 2.99	37.89 -1.91 0.87	34.19 -1.68 -0.06	30.48 -1.64 -0.04	27.37 -1.38 -0.06
BROWNSV1_27_KV_LOAD 356125	42.84 2.80 -12.00	36.57 2.34 -10.34	30.79 2.38 -4.08	30.19 2.26 -3.59	29.36 2.20 -2.76	31.37 2.38 -2.85	35.79 2.90 -3.03	37.84 3.47 0.00	37.12 3.51 -1.45	41.26 3.70 -3.90	41.24 3.80 -3.83	41.52 3.86 -4.10	42.85 4.13 -3.76	45.95 4.38 -3.13	47.77 4.58 -3.04	49.99 5.12 0.00	58.72 6.10 0.00	69.18 6.91 0.00	59.58 5.51 0.00	49.27 4.32 0.00	44.74 4.07 0.00	40.39 3.83 -0.74	36.23 3.56 -0.59	34.59 3.10 -2.80
BURROWS___LYONSDAL 23803	28.33 -0.03 -0.33	24.12 -0.05 -0.28	24.41 -0.02 -0.11	24.53 0.10 -0.10	24.63 0.15 -0.08	26.42 0.21 -0.08	30.43 0.36 -0.21	34.91 0.48 -0.06	32.52 0.26 -0.10	34.13 0.27 -0.20	33.78 0.17 0.00	33.55 -0.07 -0.05	34.64 -0.28 0.04	38.31 -0.27 -0.14	38.30 -0.28 1.57	41.61 -0.36 2.91	51.04 -0.42 1.16	59.57 -0.25 2.45	52.15 0.00 1.92	44.26 0.04 0.73	40.58 0.12 0.21	35.95 0.07 -0.05	32.12 0.00 -0.04	28.88 0.11 -0.08
CAITHNESS_CC_1 323624	86.19 3.25 -54.91	72.24 2.67 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.32 3.92 -12.24	61.40 4.21 -23.54	66.03 4.34 -28.08	67.21 4.30 -29.35	73.26 4.54 -33.76	105.70 4.92 -62.34	110.57 5.18 -65.24	117.99 5.65 -67.45	139.98 6.68 -80.68	157.39 7.78 -87.34	161.04 6.32 -100.64	127.31 5.03 -77.32	110.91 4.84 -65.40	89.33 4.48 -49.04	65.68 4.07 -29.53	64.45 3.53 -32.23
CALPINE BETH_PAGE_GT4 24209	85.66 2.72 -54.91	71.81 2.25 -45.68	54.71 2.31 -28.07	44.34 2.19 -17.81	43.55 2.15 -17.00	44.65 2.33 -16.18	39.85 2.78 -7.21	44.11 3.33 -6.41	47.73 3.34 -12.23	60.75 3.57 -23.53	65.31 3.63 -28.07	66.49 3.66 -29.27	66.44 3.88 -27.60	67.54 4.11 -24.99	70.78 4.38 -26.25	71.76 4.89 -21.99	74.47 5.89 -15.96	76.54 6.73 -7.54	76.82 5.41 -17.35	71.23 4.23 -22.05	69.75 3.99 -25.10	68.07 3.73 -28.52	64.94 3.37 -29.49	63.69 2.93 -32.07
CALPINE_BETH_PAGE_GT_4 323586	85.65 2.72 -54.91	71.81 2.24 -45.68	54.71 2.31 -28.07	44.37 2.21 -17.81	43.55 2.15 -17.00	44.65 2.33 -16.18	39.82 2.78 -7.18	44.08 3.30 -6.41	47.74 3.34 -12.24	60.73 3.53 -23.54	65.31 3.63 -28.07	66.56 3.72 -29.27	66.48 3.91 -27.60	67.58 4.15 -24.99	70.78 4.38 -26.25	71.80 4.94 -21.98	74.47 5.89 -15.96	76.54 6.73 -7.54	76.82 5.41 -17.35	71.23 4.22 -22.05	69.75 3.99 -25.10	68.11 3.73 -28.56	65.01 3.40 -29.53	63.85 2.93 -32.23
CALPINE_BP_GT1 23823	85.65 2.72 -54.91	71.81 2.24 -45.68	54.71 2.31 -28.07	44.37 2.21 -17.81	43.55 2.15 -17.00	44.65 2.33 -16.18	39.82 2.78 -7.18	44.08 3.30 -6.41	47.74 3.34 -12.24	60.73 3.53 -23.54	65.31 3.63 -28.07	66.56 3.72 -29.27	66.48 3.91 -27.60	67.58 4.15 -24.99	70.78 4.38 -26.25	71.80 4.94 -21.98	74.47 5.89 -15.96	76.54 6.73 -7.54	76.82 5.41 -17.35	71.23 4.22 -22.05	69.75 3.99 -25.10	68.11 3.73 -28.56	65.01 3.40 -29.53	63.85 2.93 -32.23
CALSPAN___DRP 24200	28.82 -0.98 -1.77	24.46 -0.96 -1.53	23.95 -0.97 -0.60	23.85 -1.02 -0.53	23.71 -1.10 -0.41	25.38 -1.18 -0.42	28.82 -1.49 -0.45	29.90 -2.10 2.38	28.37 -1.99 1.80	29.53 -2.22 1.91	29.60 -2.02 2.00	30.84 -1.78 0.94	31.83 -2.06 1.07	35.33 -1.92 1.19	36.40 -2.49 1.26	39.16 -3.37 2.35	46.62 -4.10 1.89	50.91 -4.61 6.76	48.86 -3.30 1.91	40.65 -2.74 1.56	37.68 -2.20 0.80	33.15 -2.29 0.38	30.52 -1.64 -0.08	27.95 -1.12 -0.38

CALVERTON___SOLAR 323806	86.24 3.31 -54.91	72.31 2.75 -45.68	55.12 2.72 -28.07	44.78 2.63 -17.81	43.92 2.51 -17.00	45.04 2.72 -16.18	40.27 3.23 -7.18	44.66 3.88 -6.41	48.38 3.99 -12.24	61.47 4.28 -23.54	66.16 4.47 -28.08	67.34 4.43 -29.35	73.56 4.79 -33.81	105.94 5.27 -62.24	111.22 5.50 -65.57	118.74 6.02 -67.84	140.95 7.10 -81.23	158.64 8.35 -88.02	162.24 6.81 -101.35	128.14 5.39 -77.79	111.58 5.17 -65.75	89.80 4.76 -49.21	65.84 4.23 -29.53	64.60 3.67 -32.23
CANDIGU_WT_PWR 323617	29.91 -0.48 -2.35	25.41 -0.50 -2.03	24.59 -0.54 -0.80	24.43 -0.61 -0.70	24.31 -0.63 -0.54	26.07 -0.63 -0.56	29.81 -0.75 -0.69	30.30 -1.44 2.62	28.59 -1.51 2.05	29.88 -1.58 2.20	29.91 -1.61 2.09	31.59 -1.54 0.43	32.90 -1.61 0.46	36.43 -1.58 0.43	37.76 -2.01 0.39	40.68 -2.56 1.64	49.58 -2.89 0.14	51.65 -3.24 7.38	50.32 -2.27 1.48	41.44 -1.98 1.54	38.30 -1.75 0.62	33.78 -1.79 0.25	30.93 -1.25 -0.10	28.15 -1.00 -0.46
CARR STREET_E_SYR 24060	28.66 -0.28 -0.91	24.41 -0.26 -0.78	24.34 -0.29 -0.31	24.29 -0.32 -0.27	24.30 -0.32 -0.21	26.01 -0.34 -0.22	29.97 -0.36 -0.47	32.98 -0.41 0.98	31.05 -0.45 0.66	32.67 -0.47 0.52	32.23 -0.37 1.01	32.39 -0.37 0.80	33.62 -0.46 0.89	37.00 -0.50 0.94	38.39 -0.60 1.16	42.51 -0.72 1.65	50.51 -0.84 1.26	58.83 -0.93 2.51	52.51 -0.54 1.02	44.06 -0.54 0.35	39.93 -0.45 0.29	35.26 -0.47 0.10	31.91 -0.26 -0.09	28.67 -0.23 -0.21
CARTHAGE___PAPER 23857	27.51 -0.98 -0.46	23.45 -0.84 -0.40	23.65 -0.83 -0.16	23.79 -0.68 -0.14	23.90 -0.61 -0.11	25.65 -0.60 -0.11	29.77 -0.51 -0.42	33.94 -0.58 -0.16	31.57 -0.80 -0.21	33.26 -0.84 -0.44	32.64 -0.98 0.00	32.42 -1.28 -0.14	33.38 -1.54 0.04	37.10 -1.69 -0.35	35.94 -1.77 2.45	38.27 -1.97 4.63	48.86 -2.31 1.44	56.41 -2.43 3.44	49.22 -1.78 3.06	42.63 -1.31 1.02	39.38 -1.02 0.28	35.01 -0.93 -0.12	31.20 -0.96 -0.08	28.02 -0.77 -0.11
CASSADAGA_WT_PWR 323784	29.52 -0.39 -1.88	25.01 -0.50 -1.62	24.45 -0.51 -0.64	24.34 -0.56 -0.56	24.20 -0.63 -0.43	25.98 -0.60 -0.45	29.54 -0.80 -0.48	30.96 -1.03 2.38	29.27 -1.06 1.83	30.52 -1.21 1.93	30.44 -1.18 1.99	31.55 -1.18 0.83	32.80 -1.22 0.94	36.43 -1.00 1.01	37.58 -1.41 1.16	40.30 -2.29 2.29	48.13 -2.74 1.75	52.04 -3.17 7.06	50.34 -1.89 1.84	41.83 -1.57 1.55	38.64 -1.26 0.77	34.06 -1.40 0.36	31.26 -0.90 -0.08	28.44 -0.63 -0.38
CE_DUNWOOD___DRP 24194	42.28 2.27 -11.98	36.09 1.89 -10.32	30.34 1.95 -4.07	29.77 1.85 -3.59	28.97 1.81 -2.76	30.94 1.96 -2.84	35.22 2.33 -3.02	37.19 2.82 0.00	36.44 2.83 -1.45	40.63 2.96 -4.01	36.64 3.03 0.00	36.65 3.09 0.00	38.25 3.29 0.00	42.48 3.46 -0.58	43.81 3.65 0.00	49.01 4.13 0.00	57.51 4.89 0.00	67.88 5.60 0.00	58.50 4.43 0.00	48.41 3.46 0.00	43.96 3.29 0.00	39.64 3.08 -0.74	35.55 2.89 -0.58	33.98 2.50 -2.79
CE_MILLWOOD___DRP 24193	42.14 2.19 -11.93	35.98 1.82 -10.28	30.25 1.87 -4.05	29.71 1.80 -3.57	28.91 1.76 -2.75	30.85 1.88 -2.83	35.11 2.24 -3.01	37.08 2.72 0.00	36.30 2.70 -1.44	40.69 2.86 -4.17	36.54 2.92 0.00	36.51 2.95 0.00	38.11 3.15 0.00	42.38 3.31 -0.64	43.64 3.49 0.00	48.83 3.95 0.00	57.35 4.74 0.00	67.63 5.36 0.00	58.34 4.27 0.00	48.23 3.28 0.00	43.84 3.17 0.00	39.53 2.97 -0.74	35.45 2.79 -0.58	33.88 2.41 -2.78
CE_NYC2_DRP 24202	42.64 2.61 -12.00	36.38 2.15 -10.34	30.61 2.21 -4.08	30.02 2.09 -3.59	29.19 2.03 -2.76	31.16 2.17 -2.85	35.55 2.66 -3.03	37.60 3.23 0.00	37.77 3.28 -2.33	40.99 3.43 -3.90	41.09 3.53 -3.95	41.34 3.56 -4.23	42.58 3.74 -3.87	45.61 3.96 -3.21	47.38 4.10 -3.13	49.41 4.53 0.00	57.98 5.37 0.00	68.31 6.04 0.00	58.71 4.65 0.01	48.59 3.64 0.00	44.25 3.58 0.00	40.14 3.58 -0.74	36.00 3.34 -0.59	34.39 2.90 -2.80
CE_NYC_DRP 24195	42.56 2.52 -12.00	36.33 2.10 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.53 3.16 0.00	36.83 3.22 -1.45	40.96 3.40 -3.90	40.92 3.50 -3.81	41.16 3.52 -4.07	42.44 3.74 -3.73	45.51 3.96 -3.11	47.35 4.18 -3.02	49.55 4.67 0.00	58.20 5.58 0.00	68.56 6.29 0.00	58.99 4.92 0.00	48.77 3.82 0.00	44.29 3.62 0.00	40.04 3.47 -0.74	35.91 3.24 -0.59	34.30 2.81 -2.80
CHAFFEE___LFGE 323603	28.92 -0.95 -1.84	24.52 -0.96 -1.59	23.98 -0.97 -0.62	23.87 -1.02 -0.55	23.73 -1.10 -0.42	25.42 -1.15 -0.44	28.84 -1.49 -0.47	29.98 -2.03 2.36	28.38 -1.96 1.81	29.66 -2.09 1.91	29.64 -1.98 1.98	30.81 -1.88 0.87	32.07 -1.92 0.97	35.62 -1.77 1.05	36.62 -2.33 1.20	39.25 -3.32 2.31	46.81 -4.00 1.81	50.82 -4.48 6.97	49.23 -2.97 1.87	40.97 -2.43 1.55	37.77 -2.12 0.78	33.26 -2.19 0.37	30.59 -1.57 -0.08	27.88 -1.18 -0.37
CHATEAUG_35_KV_LOAD 355732	27.16 -0.87 0.00	23.27 -0.62 0.00	23.67 -0.66 0.00	23.75 -0.58 0.00	23.84 -0.56 0.00	25.61 -0.52 0.00	29.24 -0.63 0.00	33.54 -0.82 0.00	31.36 -0.80 0.00	32.75 -0.91 0.00	32.57 -1.04 0.00	32.35 -1.21 0.00	32.58 -1.33 1.05	37.02 -1.42 0.00	35.41 -1.49 3.26	37.31 -1.71 5.86	46.96 -1.84 3.81	57.89 -1.93 2.45	50.91 -1.57 1.59	43.48 -0.76 0.71	39.89 -0.57 0.21	35.28 -0.54 0.00	31.41 -0.67 0.00	28.15 -0.55 0.00
CHATEAUG_WT_PWR 323614	27.22 -0.81 0.00	23.31 -0.57 0.00	23.72 -0.61 0.00	23.78 -0.56 0.00	24.16 -0.24 0.00	25.93 -0.21 0.00	29.62 -0.24 0.00	34.06 -0.31 0.00	31.81 -0.35 0.00	33.22 -0.44 0.00	33.01 -0.60 0.00	32.65 -0.90 0.00	32.74 -1.15 1.07	37.13 -1.31 0.00	35.95 -1.48 2.72	38.28 -1.71 4.90	47.58 -1.74 3.31	59.20 -1.74 1.33	51.86 -1.35 0.86	44.34 -0.22 0.38	40.64 0.08 0.11	35.68 -0.14 0.00	31.76 -0.32 0.00	28.55 -0.14 0.00
CHAT_HIGH_FALL_HYD 323578	27.16 -0.87 0.00	23.27 -0.62 0.00	23.67 -0.66 0.00	23.75 -0.58 0.00	23.84 -0.56 0.00	25.61 -0.52 0.00	29.24 -0.63 0.00	33.54 -0.82 0.00	31.36 -0.80 0.00	32.75 -0.91 0.00	32.57 -1.04 0.00	32.35 -1.21 0.00	32.58 -1.33 1.05	37.02 -1.42 0.00	35.41 -1.49 3.26	37.31 -1.71 5.86	46.96 -1.84 3.81	57.89 -1.93 2.45	50.91 -1.57 1.59	43.48 -0.76 0.71	39.89 -0.57 0.21	35.28 -0.54 0.00	31.41 -0.67 0.00	28.15 -0.55 0.00
CHAUTAUQUA___LFGE 323629	29.28 -0.59 -1.84	24.83 -0.64 -1.58	24.29 -0.66 -0.62	24.21 -0.68 -0.55	24.05 -0.78 -0.42	25.79 -0.78 -0.44	29.31 -1.02 -0.47	30.50 -1.51 2.36	28.87 -1.48 1.81	30.11 -1.65 1.90	30.15 -1.48 1.98	31.28 -1.41 0.87	32.55 -1.43 0.98	36.12 -1.27 1.06	37.18 -1.77 1.20	39.96 -2.60 2.31	47.70 -3.10 1.81	51.77 -3.55 6.95	49.98 -2.22 1.87	41.56 -1.84 1.55	38.30 -1.59 0.78	33.76 -1.68 0.37	31.03 -1.12 -0.08	28.26 -0.80 -0.37
CHERRYST_13_KV_LD 356241	42.67 2.63 -12.00	36.43 2.20 -10.34	30.66 2.26 -4.08	30.05 2.12 -3.59	29.22 2.05 -2.76	31.23 2.25 -2.85	35.64 2.75 -3.03	37.70 3.33 0.00	36.99 3.38 -1.45	41.13 3.57 -3.90	41.08 3.66 -3.81	41.36 3.73 -4.07	42.65 3.95 -3.73	45.74 4.19 -3.11	47.59 4.42 -3.02	49.81 4.94 0.00	58.51 5.89 0.00	68.87 6.60 0.00	59.26 5.19 0.00	49.00 4.05 0.00	44.49 3.82 0.00	40.18 3.62 -0.74	36.04 3.37 -0.59	34.42 2.93 -2.80

CHESTROR_138KV_BK263 355645	40.82 1.79 -10.99	34.84 1.48 -9.47	29.61 1.56 -3.73	29.11 1.48 -3.29	28.37 1.44 -2.53	30.31 1.57 -2.61	34.40 1.76 -2.77	36.50 2.13 0.00	35.64 2.15 -1.32	36.16 2.26 -0.24	35.93 2.32 0.00	35.87 2.32 0.00	37.45 2.48 0.00	40.47 2.61 0.58	42.92 2.77 0.00	48.06 3.19 0.00	56.41 3.79 0.00	66.63 4.36 0.00	57.53 3.46 0.00	47.60 2.65 0.00	43.23 2.56 0.00	38.89 2.40 -0.67	34.86 2.25 -0.53	33.16 1.92 -2.55
CH_MIDHUDSON___DRP 24192	42.33 2.10 -12.20	36.14 1.74 -10.51	30.27 1.80 -4.14	29.72 1.73 -3.65	28.90 1.68 -2.81	30.86 1.83 -2.90	35.09 2.15 -3.08	36.95 2.58 0.00	36.22 2.57 -1.49	38.96 2.73 -2.58	36.37 2.76 0.00	36.31 2.75 0.00	37.90 2.94 0.00	41.65 3.11 -0.10	43.44 3.29 0.00	48.60 3.72 0.00	57.04 4.42 0.00	67.38 5.11 0.00	58.23 4.16 0.00	48.23 3.28 0.00	43.76 3.09 0.00	39.41 2.83 -0.76	35.31 2.63 -0.60	33.82 2.27 -2.87
CH_MISC_IPPS 23765	42.16 2.21 -11.92	35.97 1.81 -10.27	30.25 1.87 -4.05	29.68 1.78 -3.57	28.90 1.76 -2.74	30.87 1.91 -2.83	35.14 2.27 -3.00	37.01 2.65 0.00	36.29 2.67 -1.46	38.73 2.83 -2.25	36.50 2.89 0.00	36.45 2.89 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.88 5.61 0.00	58.55 4.49 0.00	48.46 3.51 0.00	44.01 3.34 0.00	39.64 3.04 -0.78	35.49 2.79 -0.62	34.00 2.35 -2.95
CH_RES_BVR_FALLS 23983	27.58 -0.45 0.00	23.53 -0.36 0.00	23.98 -0.34 0.00	24.02 -0.32 0.00	24.09 -0.32 0.00	25.82 -0.31 0.00	29.51 -0.36 0.00	33.68 -0.69 0.00	31.48 -0.68 0.00	32.92 -0.74 0.00	32.77 -0.84 0.00	32.65 -0.90 0.00	32.31 -0.98 1.68	37.36 -1.08 0.00	36.21 -1.12 2.82	38.54 -1.26 5.08	47.40 -1.42 3.80	61.45 -1.62 -0.80	53.24 -1.35 -0.52	44.19 -0.99 -0.23	39.92 -0.81 -0.07	35.14 -0.68 0.00	31.44 -0.64 0.00	28.17 -0.52 0.00
CH_RES_NIAGARA 23895	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.34 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.32 -3.71 2.33	27.02 -3.38 1.76	28.08 -3.74 1.85	28.52 -3.09 2.00	29.63 -2.89 1.05	30.52 -3.25 1.19	33.81 -3.31 1.32	34.78 -3.98 1.39	37.42 -5.03 2.43	44.31 -6.21 2.10	49.81 -5.92 6.55	46.76 -5.30 2.01	39.20 -4.18 1.57	36.37 -3.46 0.84	32.07 -3.33 0.42	29.62 -2.53 -0.07	27.23 -1.81 -0.35
CH_RES_SYRACUSE 23985	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.20 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.36 -0.13 -0.83	33.51 -0.10 0.00	33.73 -0.07 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.74 -0.16 -0.75	45.59 -0.22 -0.94	54.99 -0.21 -2.58	64.46 -0.19 -2.37	53.93 -0.16 -0.02	45.23 -0.22 -0.50	40.69 -0.16 -0.18	35.80 -0.21 -0.19	32.11 -0.10 -0.13	28.81 -0.11 -0.24
CLINTON_WT_PWR 323605	27.22 -0.81 0.00	23.31 -0.57 0.00	23.72 -0.61 0.00	23.78 -0.56 0.00	24.16 -0.24 0.00	25.93 -0.21 0.00	29.62 -0.24 0.00	34.06 -0.31 0.00	31.81 -0.35 0.00	33.22 -0.44 0.00	33.01 -0.60 0.00	32.65 -0.90 0.00	32.74 -1.15 1.07	37.13 -1.31 0.00	35.95 -1.48 2.72	38.28 -1.71 4.90	47.58 -1.74 3.31	59.20 -1.74 1.33	51.86 -1.35 0.86	44.34 -0.22 0.38	40.64 0.08 0.11	35.68 -0.14 0.00	31.76 -0.32 0.00	28.55 -0.14 0.00
CLINTON___LFGE 323618	27.44 -0.59 0.00	23.53 -0.36 0.00	23.93 -0.39 0.00	24.00 -0.34 0.00	24.23 -0.17 0.00	26.03 -0.10 0.00	29.77 -0.09 0.00	34.20 -0.17 0.00	31.94 -0.22 0.00	33.36 -0.30 0.00	33.14 -0.47 0.00	32.89 -0.67 0.00	33.06 -0.84 1.07	37.52 -0.92 0.00	36.34 -1.00 2.81	38.66 -1.17 5.05	48.02 -1.21 3.39	59.70 -1.06 1.51	52.22 -0.87 0.98	44.61 0.09 0.44	40.87 0.32 0.13	35.93 0.11 0.00	31.92 -0.16 0.00	28.66 -0.03 0.00
COBBLENY_34_KV_TB1 80064	28.92 -0.95 -1.84	24.52 -0.96 -1.59	23.98 -0.97 -0.62	23.87 -1.02 -0.55	23.73 -1.10 -0.42	25.42 -1.15 -0.44	28.84 -1.49 -0.46	30.08 -1.92 2.36	28.51 -1.87 1.78	29.71 -2.09 1.86	29.66 -1.95 2.00	31.01 -1.68 0.87	32.03 -1.96 0.97	35.58 -1.81 1.05	36.75 -2.33 1.08	39.50 -3.23 2.14	47.23 -3.95 1.44	51.36 -4.42 6.50	49.12 -3.08 1.87	40.79 -2.61 1.55	37.78 -2.11 0.78	33.23 -2.22 0.37	30.56 -1.60 -0.08	27.99 -1.09 -0.39
COFFEEN___115KV_TB3 355620	27.94 -0.62 -0.53	23.77 -0.57 -0.45	23.94 -0.56 -0.18	24.01 -0.49 -0.16	24.13 -0.39 -0.12	25.90 -0.37 -0.13	30.19 -0.18 -0.50	34.53 -0.24 -0.40	32.03 -0.55 -0.42	33.79 -0.57 -0.70	33.11 -0.71 -0.20	32.96 -0.94 -0.34	33.94 -1.26 -0.24	37.74 -1.35 -0.65	37.11 -1.45 1.59	39.96 -1.66 3.25	50.43 -1.95 0.24	58.72 -1.87 1.68	50.79 -1.19 2.08	43.68 -0.81 0.46	40.12 -0.53 0.02	35.48 -0.57 -0.23	31.56 -0.61 -0.09	28.27 -0.55 -0.12
COLDSPRG_115KV_BK1 355956	29.39 -0.59 -1.95	24.90 -0.67 -1.68	24.30 -0.68 -0.66	24.21 -0.71 -0.58	24.07 -0.78 -0.45	25.84 -0.76 -0.46	29.40 -0.96 -0.49	31.27 -0.69 2.41	29.50 -0.84 1.83	30.73 -1.01 1.92	30.32 -1.28 2.02	31.64 -1.14 0.78	32.73 -1.36 0.87	36.39 -1.11 0.93	37.65 -1.57 0.93	40.60 -2.24 2.03	48.71 -2.74 1.17	52.54 -3.11 6.62	50.16 -2.16 1.74	41.62 -1.89 1.44	38.50 -1.46 0.71	33.85 -1.65 0.32	31.06 -1.12 -0.10	28.30 -0.80 -0.41
COLONIE_LFGE___ 323577	44.97 1.48 -15.46	38.50 1.29 -13.32	30.86 1.29 -5.25	30.23 1.26 -4.63	29.25 1.29 -3.56	31.19 1.38 -3.67	35.34 1.58 -3.90	36.15 1.79 0.00	35.72 1.67 -1.89	38.59 1.72 -3.21	35.13 1.51 0.00	35.10 1.54 0.00	36.61 1.64 0.00	40.15 1.61 -0.10	42.00 1.85 0.00	46.99 2.11 0.00	55.14 2.53 0.00	65.32 3.05 0.00	56.88 2.81 0.00	47.29 2.34 0.00	42.86 2.19 0.00	38.62 1.83 -0.97	34.49 1.64 -0.77	33.84 1.46 -3.69
COOPERNY_115KV_TB1 80082	37.31 1.21 -8.07	31.82 0.98 -6.96	28.11 1.05 -2.74	27.75 1.00 -2.42	27.24 0.98 -1.86	29.10 1.05 -1.92	33.19 1.28 -2.04	35.99 1.58 -0.04	34.77 1.58 -1.03	36.21 1.65 -0.90	35.29 1.68 0.00	35.27 1.68 -0.03	36.83 1.82 -0.05	40.18 1.88 0.15	42.29 2.01 -0.13	47.35 2.29 -0.18	55.74 2.74 -0.39	65.78 3.11 -0.39	56.60 2.49 -0.05	46.95 1.89 -0.11	41.93 1.22 -0.04	37.50 1.15 -0.53	33.59 1.09 -0.42	31.56 0.95 -1.92
COPENHAGEN_WT_PWR 323753	27.76 -0.81 -0.55	23.64 -0.72 -0.47	23.78 -0.73 -0.19	23.87 -0.63 -0.16	23.97 -0.56 -0.13	25.72 -0.55 -0.13	29.94 -0.45 -0.52	34.31 -0.48 -0.43	31.86 -0.74 -0.44	33.62 -0.77 -0.73	32.96 -0.87 -0.22	32.85 -1.08 -0.36	33.88 -1.36 -0.28	37.67 -1.46 -0.69	37.17 -1.57 1.41	40.13 -1.80 2.95	50.52 -2.11 -0.01	58.74 -2.18 1.35	50.60 -1.57 1.90	43.50 -1.12 0.33	39.84 -0.86 -0.03	35.25 -0.82 -0.25	31.34 -0.83 -0.10	28.10 -0.72 -0.13
CORNELL_____ 23752	31.01 0.56 -2.42	26.38 0.41 -2.08	25.53 0.39 -0.82	25.40 0.34 -0.72	25.33 0.37 -0.56	27.15 0.44 -0.57	31.28 0.57 -0.85	42.68 1.00 -7.31	39.81 0.71 -6.94	43.18 0.74 -8.78	38.04 0.67 -3.75	34.95 0.70 -0.69	36.48 0.66 -0.86	40.43 0.81 -1.19	42.35 0.68 -1.52	50.17 0.76 -4.53	57.23 1.00 -3.61	88.02 1.37 -24.38	55.00 1.19 0.25	48.26 0.94 -2.37	41.61 0.94 -0.01	36.64 0.64 -0.18	32.98 0.67 -0.23	29.92 0.57 -0.66

CORONA_69_KV_TB1 355595	85.77 2.83 -54.91	71.93 2.36 -45.68	54.88 2.48 -28.07	44.59 2.43 -17.81	43.77 2.37 -17.00	44.88 2.56 -16.18	40.06 2.99 -7.21	44.28 3.51 -6.41	47.86 3.47 -12.23	60.79 3.60 -23.53	65.38 3.70 -28.07	66.59 3.76 -29.27	66.49 4.02 -27.51	66.74 4.27 -24.03	70.23 4.42 -25.66	71.16 4.98 -21.30	73.66 6.05 -14.99	75.46 6.85 -6.34	75.68 5.51 -16.09	70.49 4.32 -21.22	69.31 4.15 -24.49	67.90 3.87 -28.21	65.17 3.59 -29.49	63.83 3.07 -32.07
CORTLAND_115KV_TB3 80093	30.70 0.42 -2.25	26.13 0.31 -1.94	25.38 0.29 -0.76	25.28 0.27 -0.67	25.19 0.27 -0.52	27.01 0.34 -0.53	31.11 0.45 -0.80	38.95 0.93 -3.65	36.41 0.71 -3.55	39.01 0.74 -4.61	36.19 0.71 -1.87	35.11 0.70 -0.84	36.70 0.70 -1.04	40.65 0.81 -1.40	42.46 0.72 -1.59	48.61 0.76 -2.97	57.43 0.95 -3.86	76.21 1.31 -12.63	54.80 1.03 0.29	47.13 0.81 -1.37	41.50 0.77 -0.06	36.62 0.57 -0.22	32.92 0.61 -0.23	29.84 0.52 -0.63
COXSACKIE___GT 23611	44.08 1.74 -14.31	37.68 1.46 -12.33	30.62 1.43 -4.86	30.03 1.41 -4.29	29.21 1.51 -3.29	31.16 1.62 -3.40	35.35 1.88 -3.61	36.36 1.99 0.00	35.62 1.70 -1.75	38.37 1.82 -2.89	35.29 1.68 0.00	35.07 1.51 0.00	36.64 1.68 0.00	40.35 1.85 -0.06	42.20 2.05 0.00	47.25 2.38 0.00	55.46 2.84 0.00	66.32 4.05 0.00	57.96 3.90 0.00	48.46 3.51 0.00	43.84 3.17 0.00	39.27 2.54 -0.91	34.59 1.80 -0.72	33.64 1.52 -3.43
CPV_VALLEY___CC1 323721	39.22 1.43 -9.76	33.47 1.17 -8.41	28.88 1.24 -3.32	28.45 1.19 -2.92	27.82 1.17 -2.25	29.71 1.25 -2.32	33.87 1.52 -2.48	36.15 1.79 0.00	35.20 1.83 -1.21	36.37 1.95 -0.76	35.63 2.02 0.00	35.61 2.05 0.00	37.13 2.17 0.00	40.35 2.27 0.36	42.56 2.41 0.00	47.62 2.74 0.00	55.93 3.32 0.00	66.01 3.74 0.00	56.99 2.92 0.00	47.15 2.20 0.00	41.52 0.86 0.00	37.12 0.86 -0.44	33.26 0.83 -0.35	31.11 0.74 -1.67
CPV_VALLEY___CC2 323722	39.22 1.43 -9.76	33.47 1.17 -8.41	28.88 1.24 -3.32	28.45 1.19 -2.92	27.82 1.17 -2.25	29.71 1.25 -2.32	33.87 1.52 -2.48	36.15 1.79 0.00	35.20 1.83 -1.21	36.37 1.95 -0.76	35.63 2.02 0.00	35.61 2.05 0.00	37.13 2.17 0.00	40.35 2.27 0.36	42.56 2.41 0.00	47.62 2.74 0.00	55.93 3.32 0.00	66.01 3.74 0.00	56.99 2.92 0.00	47.15 2.20 0.00	41.52 0.86 0.00	37.12 0.86 -0.44	33.26 0.83 -0.35	31.11 0.74 -1.67
CRESCENT___HYD 24018	44.97 1.48 -15.46	38.50 1.29 -13.32	30.86 1.29 -5.25	30.23 1.26 -4.63	29.25 1.29 -3.56	31.19 1.38 -3.67	35.34 1.58 -3.90	36.15 1.79 0.00	35.72 1.67 -1.89	38.59 1.72 -3.21	35.13 1.51 0.00	35.10 1.54 0.00	36.61 1.64 0.00	40.15 1.61 -0.10	42.00 1.85 0.00	46.99 2.11 0.00	55.14 2.53 0.00	65.32 3.05 0.00	56.88 2.81 0.00	47.29 2.34 0.00	42.86 2.19 0.00	38.62 1.83 -0.97	34.49 1.64 -0.77	33.84 1.46 -3.69
CRICKET___VALLEY_CC1 323756	42.72 1.96 -12.72	36.48 1.63 -10.96	30.32 1.68 -4.32	29.78 1.63 -3.81	28.92 1.59 -2.93	30.88 1.72 -3.02	35.07 2.00 -3.20	36.74 2.37 0.00	36.03 2.32 -1.56	39.26 2.46 -3.15	35.96 2.35 0.00	35.94 2.38 0.00	37.48 2.52 0.00	41.26 2.58 -0.25	42.92 2.77 0.00	47.97 3.09 0.00	56.35 3.74 0.00	66.57 4.29 0.00	57.58 3.51 0.00	47.69 2.74 0.00	43.31 2.64 0.00	39.08 2.44 -0.82	35.04 2.31 -0.65	33.84 2.04 -3.11
CRICKET___VALLEY_CC2 323757	42.72 1.96 -12.72	36.48 1.63 -10.96	30.32 1.68 -4.32	29.78 1.63 -3.81	28.92 1.59 -2.93	30.88 1.72 -3.02	35.07 2.00 -3.20	36.74 2.37 0.00	36.03 2.32 -1.56	39.26 2.46 -3.15	35.96 2.35 0.00	35.94 2.38 0.00	37.48 2.52 0.00	41.26 2.58 -0.25	42.92 2.77 0.00	47.97 3.09 0.00	56.35 3.74 0.00	66.57 4.29 0.00	57.58 3.51 0.00	47.69 2.74 0.00	43.31 2.64 0.00	39.08 2.44 -0.82	35.04 2.31 -0.65	33.84 2.04 -3.11
CRICKET___VALLEY_CC3 323758	42.72 1.96 -12.72	36.48 1.63 -10.96	30.32 1.68 -4.32	29.78 1.63 -3.81	28.92 1.59 -2.93	30.88 1.72 -3.02	35.07 2.00 -3.20	36.74 2.37 0.00	36.03 2.32 -1.56	39.26 2.46 -3.15	35.96 2.35 0.00	35.94 2.38 0.00	37.48 2.52 0.00	41.26 2.58 -0.25	42.92 2.77 0.00	47.97 3.09 0.00	56.35 3.74 0.00	66.57 4.29 0.00	57.58 3.51 0.00	47.69 2.74 0.00	43.31 2.64 0.00	39.08 2.44 -0.82	35.04 2.31 -0.65	33.84 2.04 -3.11
CRUCIBLE_METL_DRP 24180	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.19 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.35 -0.13 -0.83	33.51 -0.10 0.00	33.77 -0.03 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.75 -0.16 -0.76	45.61 -0.22 -0.96	55.02 -0.21 -2.62	64.50 -0.19 -2.41	53.92 -0.22 -0.07	45.33 -0.22 -0.61	40.72 -0.16 -0.22	35.82 -0.21 -0.22	32.13 -0.10 -0.15	28.86 -0.09 -0.26
DAHOWA___HYDRO 323763	45.51 1.77 -15.71	38.95 1.53 -13.53	31.09 1.43 -5.34	30.48 1.44 -4.70	29.53 1.51 -3.62	31.49 1.62 -3.73	35.74 1.91 -3.96	36.53 2.17 0.00	36.05 1.96 -1.92	38.89 1.99 -3.24	35.29 1.68 0.00	35.24 1.68 0.00	36.78 1.82 0.00	40.19 1.65 -0.09	42.04 1.89 0.00	47.08 2.20 0.00	55.20 2.58 0.00	65.63 3.36 0.00	57.37 3.30 0.00	47.92 2.97 0.00	43.56 2.89 0.00	39.25 2.44 -0.99	34.92 2.05 -0.78	34.15 1.72 -3.74
DANC___LFGE 323619	27.89 -0.78 -0.64	23.75 -0.69 -0.55	23.84 -0.71 -0.22	23.87 -0.66 -0.19	23.94 -0.61 -0.15	25.66 -0.63 -0.15	29.91 -0.60 -0.64	34.33 -0.62 -0.58	31.94 -0.80 -0.58	33.77 -0.84 -0.95	33.06 -0.87 -0.32	33.08 -0.97 -0.49	34.28 -1.19 -0.51	38.05 -1.31 -0.91	38.36 -1.41 0.38	42.04 -1.61 1.22	52.16 -1.89 -1.44	60.94 -2.00 -0.67	51.74 -1.46 0.87	44.10 -1.12 -0.27	39.98 -0.93 -0.25	35.29 -0.86 -0.33	31.40 -0.80 -0.12	28.15 -0.69 -0.15
DANSKAMMER___1 23586	42.16 2.21 -11.92	35.97 1.81 -10.27	30.25 1.87 -4.05	29.68 1.78 -3.57	28.90 1.76 -2.74	30.87 1.91 -2.83	35.14 2.27 -3.00	37.01 2.65 0.00	36.29 2.67 -1.46	38.73 2.83 -2.25	36.50 2.89 0.00	36.45 2.89 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.88 5.61 0.00	58.55 4.49 0.00	48.46 3.51 0.00	44.01 3.34 0.00	39.64 3.04 -0.78	35.49 2.79 -0.62	34.00 2.35 -2.95
DANSKAMMER___2 23589	42.16 2.21 -11.92	35.97 1.81 -10.27	30.25 1.87 -4.05	29.68 1.78 -3.57	28.90 1.76 -2.74	30.87 1.91 -2.83	35.14 2.27 -3.00	37.01 2.65 0.00	36.29 2.67 -1.46	38.73 2.83 -2.25	36.50 2.89 0.00	36.45 2.89 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.88 5.61 0.00	58.55 4.49 0.00	48.46 3.51 0.00	44.01 3.34 0.00	39.64 3.04 -0.78	35.49 2.79 -0.62	34.00 2.35 -2.95
DANSKAMMER___3 23590	42.16 2.21 -11.92	35.97 1.81 -10.27	30.25 1.87 -4.05	29.68 1.78 -3.57	28.90 1.76 -2.74	30.87 1.91 -2.83	35.14 2.27 -3.00	37.01 2.65 0.00	36.29 2.67 -1.46	38.73 2.83 -2.25	36.50 2.89 0.00	36.45 2.89 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.88 5.61 0.00	58.55 4.49 0.00	48.46 3.51 0.00	44.01 3.34 0.00	39.64 3.04 -0.78	35.49 2.79 -0.62	34.00 2.35 -2.95

DANSKAMMER___4 23591	42.16 2.21 -11.92	35.97 1.81 -10.27	30.25 1.87 -4.05	29.68 1.78 -3.57	28.90 1.76 -2.74	30.87 1.91 -2.83	35.14 2.27 -3.00	37.01 2.65 0.00	36.29 2.67 -1.46	38.73 2.83 -2.25	36.50 2.89 0.00	36.45 2.89 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.88 5.61 0.00	58.55 4.49 0.00	48.46 3.51 0.00	44.01 3.34 0.00	39.64 3.04 -0.78	35.49 2.79 -0.62	34.00 2.35 -2.95
DANSKAMMER___DIESEL 23592	42.16 2.21 -11.92	35.97 1.82 -10.27	30.24 1.87 -4.05	29.68 1.78 -3.57	28.90 1.76 -2.74	30.87 1.91 -2.83	35.14 2.27 -3.01	37.05 2.68 0.00	36.28 2.67 -1.45	38.72 2.83 -2.23	36.50 2.89 0.00	36.41 2.85 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.81 5.54 0.00	58.61 4.54 0.00	48.50 3.55 0.00	44.05 3.38 0.00	39.61 3.04 -0.74	35.46 2.79 -0.59	33.87 2.38 -2.80
DARBY___SOLAR 323810	45.38 1.68 -15.67	38.85 1.46 -13.50	31.03 1.39 -5.32	30.42 1.39 -4.69	29.45 1.44 -3.61	31.43 1.57 -3.72	35.67 1.85 -3.95	36.43 2.06 0.00	35.98 1.90 -1.92	38.85 1.95 -3.24	35.26 1.65 0.00	35.24 1.68 0.00	36.78 1.82 0.00	40.22 1.69 -0.09	42.04 1.89 0.00	47.08 2.20 0.00	55.20 2.58 0.00	65.57 3.30 0.00	57.26 3.19 0.00	47.79 2.83 0.00	43.39 2.73 0.00	39.10 2.29 -0.99	34.82 1.96 -0.78	34.06 1.63 -3.73
DASHVILLE___HYD 23610	42.04 1.60 -12.41	35.87 1.29 -10.69	29.90 1.36 -4.22	29.32 1.27 -3.72	28.48 1.22 -2.86	30.42 1.33 -2.95	34.61 1.61 -3.13	36.74 2.37 0.00	35.73 2.06 -1.52	38.55 2.56 -2.33	36.23 2.62 0.00	36.18 2.62 0.00	37.79 2.83 0.00	41.67 3.23 0.00	43.32 3.17 0.00	48.51 3.64 0.00	56.93 4.31 0.00	67.19 4.92 0.00	57.96 3.89 0.00	47.96 3.01 0.00	43.56 2.89 0.00	38.89 2.29 -0.77	34.84 2.15 -0.61	33.42 1.81 -2.92
DEERFIELD_69_KV_DEERFIELD LD 355887	86.50 3.56 -54.91	72.50 2.94 -45.68	55.29 2.89 -28.07	45.00 2.85 -17.81	44.11 2.71 -17.00	45.22 2.90 -16.18	40.45 3.37 -7.21	44.97 4.19 -6.41	48.76 4.37 -12.23	62.00 4.81 -23.53	66.87 5.18 -28.08	68.15 5.24 -29.35	74.56 5.77 -33.83	107.07 6.46 -62.17	112.60 6.75 -65.70	120.33 7.45 -68.00	142.86 8.79 -81.45	161.03 10.46 -88.29	164.41 8.71 -101.64	129.72 6.79 -77.98	112.90 6.34 -65.88	90.86 5.80 -49.24	66.52 4.94 -29.49	65.07 4.30 -32.07
DELAWARE___LFGE 323621	32.83 1.57 -3.23	27.91 1.24 -2.78	26.66 1.24 -1.10	26.50 1.19 -0.97	26.39 1.24 -0.74	28.31 1.41 -0.77	32.69 1.82 -1.00	38.81 2.58 -1.87	36.30 2.09 -2.05	38.69 2.32 -2.71	36.49 2.15 -0.73	36.36 2.08 -0.72	37.74 1.89 -0.89	41.85 2.23 -1.18	42.95 1.57 -1.23	48.42 1.75 -1.79	57.78 2.05 -3.11	71.23 2.37 -6.59	56.32 2.11 -0.15	47.09 1.71 -0.43	42.20 1.42 -0.11	37.45 1.25 -0.37	33.52 1.15 -0.29	30.83 0.98 -1.16
DERFIELD_115KV_TB7 355931	28.31 0.28 0.00	24.10 0.21 0.00	24.54 0.22 0.00	24.58 0.24 0.00	24.65 0.24 0.00	26.40 0.26 0.00	30.16 0.30 0.00	34.75 0.38 0.00	32.51 0.35 0.00	34.03 0.37 0.00	33.98 0.37 0.00	33.93 0.37 0.00	35.40 0.38 -0.05	38.82 0.38 0.00	40.47 0.40 0.08	45.18 0.45 0.15	53.05 0.47 0.04	62.47 0.56 0.37	54.37 0.54 0.24	45.25 0.40 0.11	41.00 0.37 0.03	36.14 0.32 0.00	32.40 0.32 0.00	28.98 0.29 0.00
DOGLEVILLE___HYD 23807	29.15 1.12 0.00	24.82 0.93 0.00	25.25 0.92 0.00	25.26 0.92 0.00	25.35 0.95 0.00	27.15 1.02 0.00	31.06 1.20 0.00	35.74 1.38 0.00	33.41 1.25 0.00	35.01 1.35 0.00	34.92 1.31 0.00	34.87 1.31 0.00	36.31 1.29 -0.05	39.90 1.46 0.00	41.56 1.49 0.08	46.39 1.66 0.15	54.47 1.89 0.04	64.21 2.31 0.37	55.88 2.05 0.24	46.55 1.71 0.11	42.18 1.55 0.03	37.18 1.36 0.00	33.30 1.22 0.00	29.78 1.09 0.00
DUNKIRK___115KV_TB_200 55889	29.22 -0.64 -1.84	24.80 -0.67 -1.58	24.27 -0.68 -0.62	24.16 -0.73 -0.55	24.02 -0.81 -0.42	25.74 -0.84 -0.44	29.25 -1.08 -0.46	30.53 -1.48 2.36	28.90 -1.48 1.78	30.12 -1.68 1.86	30.10 -1.51 2.00	31.38 -1.31 0.87	32.44 -1.54 0.98	36.00 -1.38 1.06	37.22 -1.85 1.08	40.13 -2.60 2.15	48.00 -3.16 1.46	52.24 -3.55 6.48	49.77 -2.43 1.87	41.33 -2.07 1.55	38.26 -1.63 0.78	33.66 -1.79 0.37	30.94 -1.22 -0.08	28.28 -0.80 -0.39
DUNKIRK___1 23563	29.22 -0.64 -1.84	24.80 -0.67 -1.58	24.27 -0.68 -0.62	24.16 -0.73 -0.55	24.02 -0.81 -0.42	25.74 -0.84 -0.44	29.25 -1.08 -0.46	30.53 -1.48 2.36	28.90 -1.48 1.78	30.12 -1.68 1.86	30.10 -1.51 2.00	31.38 -1.31 0.87	32.44 -1.54 0.98	36.00 -1.38 1.06	37.22 -1.85 1.08	40.13 -2.60 2.15	48.00 -3.16 1.46	52.24 -3.55 6.48	49.77 -2.43 1.87	41.33 -2.07 1.55	38.26 -1.63 0.78	33.66 -1.79 0.37	30.94 -1.22 -0.08	28.28 -0.80 -0.39
DUNKIRK___2 23564	29.22 -0.64 -1.84	24.80 -0.67 -1.58	24.27 -0.68 -0.62	24.16 -0.73 -0.55	24.02 -0.81 -0.42	25.74 -0.84 -0.44	29.25 -1.08 -0.46	30.53 -1.48 2.36	28.90 -1.48 1.78	30.12 -1.68 1.86	30.10 -1.51 2.00	31.38 -1.31 0.87	32.44 -1.54 0.98	36.00 -1.38 1.06	37.22 -1.85 1.08	40.13 -2.60 2.15	48.00 -3.16 1.46	52.24 -3.55 6.48	49.77 -2.43 1.87	41.33 -2.07 1.55	38.26 -1.63 0.78	33.66 -1.79 0.37	30.94 -1.22 -0.08	28.28 -0.80 -0.39
DUNKIRK___3 23565	29.04 -0.81 -1.83	24.63 -0.84 -1.57	24.12 -0.83 -0.62	23.98 -0.90 -0.55	23.87 -0.95 -0.42	25.58 -0.99 -0.43	29.04 -1.28 -0.46	30.23 -1.75 2.38	28.65 -1.70 1.80	29.82 -1.92 1.92	29.84 -1.78 1.99	31.11 -1.54 0.91	32.15 -1.78 1.03	35.64 -1.65 1.15	36.81 -2.13 1.22	39.64 -2.92 2.32	47.26 -3.53 1.83	51.55 -3.92 6.80	49.38 -2.81 1.88	41.02 -2.38 1.55	37.98 -1.91 0.78	33.41 -2.04 0.37	30.72 -1.44 -0.08	28.10 -0.98 -0.39
DUNKIRK___4 23566	29.04 -0.81 -1.83	24.63 -0.84 -1.57	24.12 -0.83 -0.62	23.98 -0.90 -0.55	23.87 -0.95 -0.42	25.58 -0.99 -0.43	29.04 -1.28 -0.46	30.23 -1.75 2.38	28.65 -1.70 1.80	29.82 -1.92 1.92	29.84 -1.78 1.99	31.11 -1.54 0.91	32.15 -1.78 1.03	35.64 -1.65 1.15	36.81 -2.13 1.22	39.64 -2.92 2.32	47.26 -3.53 1.83	51.55 -3.92 6.80	49.38 -2.81 1.88	41.02 -2.38 1.55	37.98 -1.91 0.78	33.41 -2.04 0.37	30.72 -1.44 -0.08	28.10 -0.98 -0.39
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	42.39 2.35 -12.00	36.19 1.96 -10.34	30.42 2.02 -4.08	29.85 1.92 -3.59	29.05 1.88 -2.76	31.03 2.04 -2.85	35.34 2.45 -3.03	37.29 2.92 0.00	36.57 2.96 -1.45	40.66 3.10 -3.90	36.80 3.19 0.00	36.78 3.22 0.00	38.39 3.43 0.00	42.60 3.61 -0.55	43.97 3.81 0.00	49.14 4.26 0.00	57.72 5.10 0.00	68.06 5.79 0.00	58.66 4.60 0.00	48.55 3.60 0.00	44.09 3.42 0.00	39.79 3.22 -0.74	35.68 3.02 -0.59	34.07 2.58 -2.80
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	41.36 1.91 -11.42	35.30 1.58 -9.84	29.83 1.63 -3.88	29.31 1.56 -3.42	28.57 1.54 -2.63	30.49 1.65 -2.71	34.72 1.97 -2.88	36.74 2.37 0.00	35.94 2.38 -1.40	37.75 2.52 -1.56	36.20 2.59 0.00	36.14 2.58 0.00	37.76 2.80 0.00	41.17 2.92 0.19	43.28 3.13 0.00	48.42 3.55 0.00	56.88 4.26 0.00	67.19 4.92 0.00	58.02 3.95 0.00	48.01 3.06 0.00	43.64 2.97 0.00	39.25 2.72 -0.71	35.18 2.53 -0.56	33.56 2.18 -2.69

E179THST_138_KV_TB4_REV_LBMP_J 345001	42.70 2.66 -12.01	36.38 2.15 -10.34	30.64 2.24 -4.08	30.02 2.09 -3.59	29.14 1.98 -2.76	31.08 2.09 -2.85	35.40 2.51 -3.03	37.43 3.06 0.00	36.76 3.15 -1.45	40.83 3.26 -3.90	40.92 3.36 -3.95	41.18 3.39 -4.23	42.44 3.60 -3.87	45.41 3.77 -3.21	44.07 3.89 -0.03	49.19 4.31 0.00	57.72 5.10 0.00	68.00 5.73 0.00	58.55 4.49 0.01	48.41 3.46 0.00	44.05 3.38 0.00	40.11 3.55 -0.74	35.94 3.27 -0.59	34.45 2.96 -2.80
E179THST_13_KV_LOAD 356214	42.90 2.86 -12.01	36.55 2.32 -10.34	30.79 2.38 -4.08	30.17 2.24 -3.59	29.29 2.12 -2.76	31.23 2.25 -2.85	35.58 2.69 -3.03	37.67 3.30 0.00	36.95 3.34 -1.45	41.06 3.50 -3.90	41.16 3.60 -3.95	41.41 3.62 -4.23	42.68 3.85 -3.87	45.72 4.07 -3.21	44.39 4.22 -0.03	49.50 4.62 0.00	58.09 5.47 0.00	68.50 6.23 0.00	58.93 4.87 0.01	48.73 3.78 0.00	44.37 3.70 0.00	40.36 3.80 -0.74	36.16 3.50 -0.59	34.65 3.16 -2.80
EAST HAMPTON___GT 23717	86.36 3.42 -54.91	72.36 2.79 -45.68	55.12 2.72 -28.07	44.92 2.77 -17.81	44.04 2.64 -17.00	45.09 2.77 -16.18	40.24 3.20 -7.18	44.76 3.98 -6.41	48.71 4.31 -12.24	62.01 4.81 -23.54	67.04 5.34 -28.08	68.41 5.50 -29.35	74.95 6.16 -33.83	107.56 6.96 -62.16	113.21 7.35 -65.71	120.96 8.08 -68.01	143.61 9.53 -81.47	161.98 11.40 -88.31	165.25 9.52 -101.66	130.36 7.42 -77.99	113.39 6.83 -65.89	91.41 6.31 -49.28	66.94 5.33 -29.53	65.48 4.56 -32.23
EAST RIVER___6 23660	42.53 2.49 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.90 1.97 -3.59	29.05 1.88 -2.76	31.05 2.06 -2.85	35.40 2.54 -3.00	37.43 3.06 0.00	36.81 3.18 -1.46	40.94 3.37 -3.92	40.92 3.50 -3.81	41.23 3.59 -4.07	42.47 3.78 -3.73	45.59 4.04 -3.11	47.39 4.21 -3.02	49.59 4.71 0.00	58.19 5.57 0.00	68.50 6.23 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.29 3.62 0.00	40.04 3.44 -0.78	35.94 3.24 -0.62	34.41 2.75 -2.96
EAST RIVER___7 23524	42.53 2.49 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.90 1.97 -3.59	29.05 1.88 -2.76	31.05 2.06 -2.85	35.40 2.54 -3.00	37.43 3.06 0.00	36.81 3.18 -1.46	40.94 3.37 -3.92	40.92 3.50 -3.81	41.23 3.59 -4.07	42.47 3.78 -3.73	45.59 4.04 -3.11	47.39 4.21 -3.02	49.59 4.71 0.00	58.19 5.57 0.00	68.50 6.23 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.29 3.62 0.00	40.04 3.44 -0.78	35.94 3.24 -0.62	34.41 2.75 -2.96
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	42.28 2.27 -11.98	36.09 1.89 -10.32	30.34 1.95 -4.07	29.77 1.85 -3.59	28.97 1.81 -2.76	30.94 1.96 -2.84	35.22 2.33 -3.02	37.19 2.82 0.00	36.44 2.83 -1.45	40.63 2.96 -4.01	36.64 3.03 0.00	36.65 3.09 0.00	38.25 3.29 0.00	42.48 3.46 -0.58	43.81 3.65 0.00	49.01 4.13 0.00	57.51 4.89 0.00	67.88 5.60 0.00	58.50 4.43 0.00	48.41 3.46 0.00	43.96 3.29 0.00	39.64 3.08 -0.74	35.55 2.89 -0.58	33.98 2.50 -2.79
EAST_HAMPTON___DIESEL 23722	86.30 3.36 -54.91	72.31 2.75 -45.68	55.07 2.68 -28.07	44.88 2.73 -17.81	43.99 2.59 -17.00	45.01 2.69 -16.18	40.15 3.11 -7.18	44.69 3.92 -6.41	48.61 4.21 -12.24	61.98 4.78 -23.54	66.97 5.28 -28.08	68.38 5.47 -29.35	74.91 6.12 -33.83	107.56 6.96 -62.16	113.17 7.31 -65.71	120.92 8.03 -68.01	143.55 9.47 -81.47	161.92 11.34 -88.31	165.19 9.46 -101.66	130.32 7.37 -77.99	113.39 6.83 -65.89	91.37 6.27 -49.28	66.90 5.29 -29.53	65.45 4.53 -32.23
EAST_POINT___SOLAR 323840	48.05 2.16 -17.86	41.11 1.84 -15.39	32.12 1.73 -6.07	31.41 1.73 -5.35	30.35 1.83 -4.11	32.34 1.96 -4.24	36.37 2.00 -4.50	35.60 1.24 0.00	35.09 0.74 -2.19	37.78 0.57 -3.55	34.05 0.44 0.00	33.93 0.37 0.00	35.35 0.39 0.00	38.70 0.19 -0.06	40.55 0.40 0.00	45.46 0.58 0.00	53.45 0.84 0.00	64.39 2.12 0.00	58.29 4.22 0.00	49.22 4.27 0.00	44.54 3.87 0.00	40.19 3.26 -1.11	35.62 2.66 -0.88	35.02 2.12 -4.20
EAST_PULASKI___ESR 323781	28.10 -0.67 -0.74	23.93 -0.60 -0.64	23.94 -0.63 -0.25	23.95 -0.61 -0.22	23.99 -0.59 -0.17	25.68 -0.63 -0.18	30.08 -0.66 -0.88	34.89 -0.65 -1.17	32.50 -0.74 -1.08	34.49 -0.77 -1.60	33.66 -0.74 -0.79	33.74 -0.81 -0.99	35.25 -0.87 -1.16	39.04 -1.08 -1.68	40.24 -1.20 -1.29	44.86 -1.39 -1.37	55.18 -1.58 -4.14	64.84 -1.74 -4.32	53.44 -1.35 -0.72	45.16 -1.12 -1.33	40.50 -0.89 -0.73	35.59 -0.79 -0.56	31.57 -0.68 -0.16	28.26 -0.60 -0.17
EAST_RIVER___1 323558	42.56 2.52 -12.00	36.33 2.10 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.46 2.60 -3.00	37.50 3.13 0.00	36.84 3.22 -1.46	40.97 3.40 -3.92	40.92 3.50 -3.81	41.19 3.56 -4.07	42.44 3.74 -3.73	45.51 3.96 -3.11	47.35 4.18 -3.02	49.55 4.67 0.00	58.19 5.57 0.00	68.56 6.29 0.00	58.94 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	40.08 3.47 -0.78	35.94 3.24 -0.62	34.43 2.78 -2.96
EAST_RIVER___2 323559	42.53 2.49 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.90 1.97 -3.59	29.05 1.88 -2.76	31.05 2.06 -2.85	35.40 2.54 -3.00	37.43 3.06 0.00	36.81 3.18 -1.46	40.94 3.37 -3.92	40.92 3.50 -3.81	41.23 3.59 -4.07	42.47 3.78 -3.73	45.59 4.04 -3.11	47.39 4.21 -3.02	49.59 4.71 0.00	58.19 5.57 0.00	68.50 6.23 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.29 3.62 0.00	40.04 3.44 -0.78	35.94 3.24 -0.62	34.41 2.75 -2.96
EAST___DELAWARE_HYD 23607	39.76 1.18 -10.55	33.88 0.91 -9.09	28.86 0.95 -3.58	28.37 0.87 -3.16	27.69 0.85 -2.43	29.56 0.91 -2.51	33.69 1.16 -2.67	35.78 1.41 0.00	34.97 1.51 -1.30	36.87 1.62 -1.60	35.29 1.68 0.00	35.24 1.68 0.00	36.78 1.82 0.00	40.23 1.92 0.13	42.24 2.09 0.00	47.30 2.42 0.00	55.56 2.94 0.00	65.70 3.42 0.00	56.77 2.70 0.00	46.98 2.02 0.00	42.38 1.71 0.00	38.06 1.57 -0.67	34.02 1.41 -0.53	32.33 1.12 -2.52
EIGHT_POINT___WT_PWR 323820	29.92 -0.31 -2.20	25.40 -0.38 -1.89	24.63 -0.44 -0.75	24.39 -0.61 -0.66	24.23 -0.68 -0.51	26.08 -0.58 -0.52	29.98 -0.54 -0.65	29.90 -1.07 3.40	28.20 -1.19 2.77	29.33 -1.24 3.08	29.87 -1.28 2.46	31.88 -1.24 0.44	33.20 -1.29 0.47	36.78 -1.23 0.43	38.04 -1.73 0.39	40.67 -2.29 1.92	49.97 -2.52 0.13	49.75 -2.74 9.78	50.86 -1.73 1.48	41.72 -1.48 1.75	38.78 -1.30 0.59	34.11 -1.47 0.24	31.25 -0.93 -0.11	28.39 -0.75 -0.44
ELBRIDGE_115KV_TB2 80188	28.88 -0.25 -1.10	24.60 -0.24 -0.95	24.43 -0.27 -0.38	24.38 -0.29 -0.33	24.37 -0.29 -0.25	26.09 -0.31 -0.26	30.28 -0.33 -0.74	35.04 -0.14 -0.81	32.74 -0.26 -0.84	34.76 -0.24 -1.33	33.89 -0.20 -0.48	34.11 -0.13 -0.69	35.63 -0.21 -0.88	39.49 -0.19 -1.25	41.35 -0.28 -1.48	46.45 -0.36 -1.94	56.16 -0.37 -3.91	66.16 -0.31 -4.19	53.80 -0.43 -0.16	45.26 -0.45 -0.76	40.61 -0.33 -0.27	35.68 -0.39 -0.26	32.00 -0.26 -0.17	28.75 -0.23 -0.29
ELEC_TRO_TEK 24086	85.66 2.72 -54.91	71.81 2.25 -45.68	54.71 2.31 -28.07	44.37 2.21 -17.81	43.57 2.17 -17.00	44.67 2.35 -16.18	39.88 2.81 -7.21	44.11 3.33 -6.41	47.70 3.31 -12.23	60.69 3.50 -23.53	65.25 3.56 -28.07	66.45 3.62 -29.27	66.32 3.85 -27.51	66.55 4.07 -24.03	70.11 4.30 -25.66	71.03 4.85 -21.30	73.39 5.79 -14.99	75.21 6.60 -6.34	75.46 5.30 -16.09	70.31 4.14 -21.22	69.06 3.90 -24.49	67.69 3.65 -28.21	64.94 3.37 -29.49	63.72 2.96 -32.07

ELLENBURG_WT_PWR 323604	27.22 -0.81 0.00	23.31 -0.57 0.00	23.72 -0.61 0.00	23.78 -0.56 0.00	24.16 -0.24 0.00	25.93 -0.21 0.00	29.62 -0.24 0.00	34.06 -0.31 0.00	31.81 -0.35 0.00	33.22 -0.44 0.00	33.01 -0.60 0.00	32.65 -0.90 0.00	32.74 -1.15 1.07	37.13 -1.31 0.00	35.95 -1.48 2.72	38.28 -1.71 4.90	47.58 -1.74 3.31	59.20 -1.74 1.33	51.86 -1.35 0.86	44.34 -0.22 0.38	40.64 0.08 0.11	35.68 -0.14 0.00	31.76 -0.32 0.00	28.55 -0.14 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	28.72 -1.04 -1.73	24.37 -1.00 -1.49	23.89 -1.02 -0.59	23.78 -1.07 -0.52	23.66 -1.15 -0.40	25.32 -1.23 -0.41	28.75 -1.55 -0.44	29.66 -2.34 2.37	28.15 -2.22 1.79	29.30 -2.46 1.90	29.49 -2.12 2.00	30.70 -1.88 0.98	31.69 -2.17 1.11	35.13 -2.08 1.23	36.20 -2.65 1.30	38.96 -3.55 2.38	46.29 -4.37 1.96	50.76 -4.79 6.72	48.61 -3.51 1.94	40.51 -2.88 1.56	37.54 -2.32 0.81	33.03 -2.40 0.39	30.43 -1.73 -0.08	27.88 -1.18 -0.37
EMPIRE_CC_1 323656	43.84 1.20 -14.61	37.55 1.08 -12.59	30.38 1.10 -4.96	29.78 1.07 -4.37	28.84 1.07 -3.36	30.75 1.15 -3.47	34.86 1.31 -3.68	35.71 1.34 0.00	35.20 1.25 -1.79	38.15 1.35 -3.14	34.79 1.18 0.00	34.77 1.21 0.00	36.22 1.26 0.00	39.80 1.23 -0.13	41.56 1.40 0.00	46.49 1.61 0.00	54.51 1.89 0.00	64.51 2.24 0.00	56.07 2.00 0.00	46.57 1.62 0.00	42.21 1.55 0.00	38.07 1.33 -0.93	34.03 1.22 -0.73	33.28 1.09 -3.50
EMPIRE_CC_2 323658	43.84 1.20 -14.61	37.55 1.08 -12.59	30.38 1.10 -4.96	29.78 1.07 -4.37	28.84 1.07 -3.36	30.75 1.15 -3.47	34.86 1.31 -3.68	35.71 1.34 0.00	35.20 1.25 -1.79	38.15 1.35 -3.14	34.79 1.18 0.00	34.77 1.21 0.00	36.22 1.26 0.00	39.80 1.23 -0.13	41.56 1.40 0.00	46.49 1.61 0.00	54.51 1.89 0.00	64.51 2.24 0.00	56.07 2.00 0.00	46.57 1.62 0.00	42.21 1.55 0.00	38.07 1.33 -0.93	34.03 1.22 -0.73	33.28 1.09 -3.50
ENORWICH_115KV_TB1 80156	33.02 2.07 -2.92	28.05 1.65 -2.51	26.97 1.65 -0.99	26.79 1.58 -0.87	26.76 1.68 -0.67	28.74 1.91 -0.69	33.26 2.45 -0.94	41.07 3.16 -3.54	38.14 2.44 -3.54	40.79 2.59 -4.54	37.69 2.32 -1.76	36.51 2.21 -0.73	37.83 1.96 -0.91	41.99 2.34 -1.21	43.68 2.05 -1.48	50.03 2.24 -2.91	58.77 2.63 -3.52	78.28 3.67 -12.34	57.45 3.57 0.19	49.04 3.01 -1.07	43.53 2.85 -0.01	38.35 2.29 -0.24	34.39 2.05 -0.26	31.31 1.75 -0.87
ERIE_ST__34_KV_TB1-2 80199	28.68 -1.15 -1.80	24.31 -1.12 -1.55	23.79 -1.14 -0.61	23.66 -1.22 -0.54	23.52 -1.29 -0.41	25.20 -1.36 -0.43	28.65 -1.67 -0.45	30.35 -1.65 2.37	28.70 -1.67 1.79	29.93 -1.82 1.91	29.54 -2.08 1.99	30.78 -1.85 0.93	31.81 -2.10 1.05	35.31 -1.96 1.17	36.46 -2.45 1.24	39.27 -3.28 2.33	46.75 -4.00 1.87	50.98 -4.55 6.75	48.88 -3.30 1.89	40.57 -2.83 1.55	37.52 -2.36 0.79	33.01 -2.44 0.38	30.33 -1.83 -0.08	27.75 -1.32 -0.38
ERIE_WT_PWR 323693	28.85 -0.95 -1.77	24.48 -0.93 -1.53	23.98 -0.95 -0.60	23.87 -1.00 -0.53	23.74 -1.07 -0.41	25.41 -1.15 -0.42	28.85 -1.46 -0.45	29.86 -2.13 2.38	28.31 -2.03 1.83	29.48 -2.22 1.96	29.61 -2.02 1.98	30.67 -1.95 0.94	31.90 -1.99 1.07	35.40 -1.84 1.19	36.44 -2.45 1.26	39.08 -3.45 2.35	46.57 -4.16 1.89	50.74 -4.67 6.86	49.08 -3.08 1.91	40.88 -2.52 1.56	37.68 -2.20 0.80	33.21 -2.22 0.39	30.55 -1.60 -0.08	27.90 -1.15 -0.36
ESPRGFLD_115KV_TB1 80157	29.38 1.35 0.00	24.99 1.10 0.00	25.37 1.05 0.00	25.38 1.05 0.00	25.50 1.10 0.00	27.39 1.25 0.00	31.33 1.46 0.00	35.99 1.58 -0.04	33.51 1.32 -0.04	35.17 1.35 -0.17	34.89 1.28 0.00	34.83 1.24 -0.03	36.23 1.22 -0.05	39.86 1.31 -0.11	41.81 1.53 -0.13	46.80 1.75 -0.18	55.04 2.05 -0.37	65.51 2.86 -0.38	57.33 3.19 -0.07	47.90 2.79 -0.16	43.17 2.44 -0.06	37.90 2.04 -0.03	33.80 1.70 -0.02	30.07 1.38 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	30.97 0.53 -2.41	26.34 0.38 -2.07	25.53 0.39 -0.82	25.40 0.34 -0.72	25.32 0.37 -0.55	27.13 0.42 -0.57	31.25 0.54 -0.85	41.64 1.00 -6.28	38.85 0.71 -5.98	42.01 0.74 -7.61	37.51 0.67 -3.23	35.02 0.70 -0.75	36.57 0.66 -0.94	40.53 0.81 -1.29	42.47 0.68 -1.64	49.87 0.76 -4.23	57.40 0.95 -3.83	84.84 1.37 -21.20	55.02 1.14 0.19	47.97 0.90 -2.12	41.60 0.89 -0.04	36.66 0.64 -0.20	32.99 0.67 -0.24	29.93 0.57 -0.67
ETNA____115KV_TB2 80207	30.97 0.53 -2.41	26.34 0.38 -2.07	25.53 0.39 -0.82	25.40 0.34 -0.72	25.32 0.37 -0.55	27.13 0.42 -0.57	31.25 0.54 -0.85	41.64 1.00 -6.28	38.85 0.71 -5.98	42.01 0.74 -7.61	37.51 0.67 -3.23	35.02 0.70 -0.75	36.57 0.66 -0.94	40.53 0.81 -1.29	42.47 0.68 -1.64	49.87 0.76 -4.23	57.40 0.95 -3.83	84.84 1.37 -21.20	55.02 1.14 0.19	47.97 0.90 -2.12	41.60 0.89 -0.04	36.66 0.64 -0.20	32.99 0.67 -0.24	29.93 0.57 -0.67
EUCLID____115KV_TB2 356179	28.50 -0.39 -0.86	24.27 -0.36 -0.74	24.23 -0.39 -0.29	24.18 -0.41 -0.26	24.19 -0.41 -0.20	25.90 -0.44 -0.20	29.80 -0.48 -0.42	32.82 -0.58 0.96	30.92 -0.61 0.63	32.58 -0.61 0.47	32.10 -0.50 1.00	32.30 -0.47 0.79	33.53 -0.56 0.87	36.95 -0.58 0.92	38.35 -0.68 1.12	42.48 -0.81 1.59	50.53 -0.95 1.15	58.83 -1.06 2.39	51.97 -0.76 1.34	43.61 -0.67 0.67	39.65 -0.57 0.45	35.05 -0.57 0.20	31.72 -0.42 -0.06	28.50 -0.37 -0.18
E_CANADA_CAP_HY 24051	48.43 1.77 -18.64	41.45 1.51 -16.06	32.04 1.39 -6.33	31.30 1.39 -5.58	30.18 1.49 -4.29	32.21 1.65 -4.43	36.42 1.85 -4.70	36.05 1.68 0.00	35.80 1.35 -2.29	38.61 1.28 -3.67	34.76 1.14 0.00	34.63 1.07 0.00	36.08 1.12 0.00	39.57 1.07 -0.05	41.58 1.28 -0.14	46.64 1.57 -0.20	54.98 1.95 -0.42	65.74 3.05 -0.42	57.91 3.84 0.00	48.59 3.64 0.00	43.92 3.25 0.00	39.70 2.72 -1.16	35.18 2.18 -0.91	34.81 1.75 -4.37
E_CANADA_MHWK_HY 24050	29.15 1.12 0.00	24.82 0.93 0.00	25.25 0.92 0.00	25.26 0.92 0.00	25.35 0.95 0.00	27.15 1.02 0.00	31.06 1.20 0.00	35.74 1.38 0.00	33.41 1.25 0.00	35.01 1.35 0.00	34.92 1.31 0.00	34.87 1.31 0.00	36.31 1.29 -0.05	39.90 1.46 0.00	41.56 1.49 0.08	46.39 1.66 0.15	54.47 1.89 0.04	64.21 2.31 0.37	55.88 2.05 0.24	46.55 1.71 0.11	42.18 1.55 0.03	37.18 1.36 0.00	33.30 1.22 0.00	29.78 1.09 0.00
E_FISHKILL____LBMP 23776	42.27 1.99 -12.25	36.12 1.67 -10.56	30.21 1.73 -4.16	29.66 1.65 -3.67	28.84 1.61 -2.82	30.80 1.75 -2.91	35.02 2.06 -3.09	36.84 2.47 0.00	36.13 2.48 -1.49	39.16 2.59 -2.91	36.23 2.62 0.00	36.18 2.62 0.00	37.79 2.83 0.00	41.56 2.92 -0.20	43.24 3.09 0.00	48.38 3.50 0.00	56.77 4.16 0.00	67.07 4.79 0.00	57.91 3.84 0.00	47.92 2.97 0.00	43.56 2.89 0.00	39.27 2.69 -0.76	35.18 2.50 -0.60	33.75 2.18 -2.88
FALCON____SEABRD_CC1 323796	27.47 -0.56 0.00	23.55 -0.33 0.00	23.96 -0.36 0.00	24.02 -0.32 0.00	24.28 -0.12 0.00	26.08 -0.05 0.00	29.80 -0.06 0.00	34.27 -0.10 0.00	32.00 -0.16 0.00	33.43 -0.23 0.00	33.21 -0.40 0.00	32.92 -0.64 0.00	33.05 -0.84 1.07	37.52 -0.92 0.00	36.43 -1.00 2.72	38.81 -1.17 4.90	48.10 -1.21 3.31	59.82 -1.12 1.33	52.34 -0.87 0.86	44.66 0.09 0.38	40.88 0.32 0.11	35.93 0.11 0.00	31.95 -0.13 0.00	28.69 0.00 0.00

FALCON___SEABRD_CC2 323797	27.47 -0.56 0.00	23.55 -0.33 0.00	23.96 -0.36 0.00	24.02 -0.32 0.00	24.28 -0.12 0.00	26.08 -0.05 0.00	29.80 -0.06 0.00	34.27 -0.10 0.00	32.00 -0.16 0.00	33.43 -0.23 0.00	33.21 -0.40 0.00	32.92 -0.64 0.00	33.05 -0.84 1.07	37.52 -0.92 0.00	36.43 -1.00 2.72	38.81 -1.17 4.90	48.10 -1.21 3.31	59.82 -1.12 1.33	52.34 -0.87 0.86	44.66 0.09 0.38	40.88 0.32 0.11	35.93 0.11 0.00	31.95 -0.13 0.00	28.69 0.00 0.00
FAR ROCKAWAY___4 23548	85.66 2.72 -54.91	71.83 2.27 -45.68	54.97 2.58 -28.07	44.80 2.65 -17.81	43.99 2.59 -17.00	45.12 2.80 -16.18	40.30 3.23 -7.21	44.59 3.81 -6.41	48.15 3.76 -12.23	60.89 3.70 -23.53	65.51 3.83 -28.07	66.76 3.93 -29.27	66.67 4.20 -27.51	66.93 4.46 -24.03	70.15 4.34 -25.66	71.12 4.94 -21.30	73.60 6.00 -14.99	75.40 6.79 -6.34	75.62 5.46 -16.09	70.40 4.23 -21.22	69.51 4.35 -24.49	68.08 4.05 -28.21	65.30 3.72 -29.49	63.98 3.21 -32.07
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.16 2.17 -2.85	35.52 2.63 -3.03	37.56 3.20 0.00	36.83 3.22 -1.45	40.96 3.40 -3.90	40.94 3.50 -3.83	41.18 3.52 -4.10	42.50 3.78 -3.76	45.56 4.00 -3.13	47.41 4.22 -3.04	49.55 4.67 0.00	58.20 5.58 0.00	68.56 6.29 0.00	59.04 4.97 0.00	48.82 3.87 0.00	44.33 3.66 0.00	40.04 3.47 -0.74	35.94 3.27 -0.59	34.33 2.84 -2.80
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.16 2.17 -2.85	35.55 2.66 -3.03	37.56 3.20 0.00	36.83 3.22 -1.45	40.96 3.40 -3.90	40.94 3.50 -3.83	41.18 3.52 -4.10	42.50 3.78 -3.76	45.56 4.00 -3.13	47.41 4.22 -3.04	49.59 4.71 0.00	58.20 5.58 0.00	68.56 6.29 0.00	59.04 4.97 0.00	48.82 3.87 0.00	44.33 3.66 0.00	40.07 3.51 -0.74	35.94 3.27 -0.59	34.33 2.84 -2.80
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	42.56 2.52 -12.00	36.33 2.10 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.16 2.17 -2.85	35.52 2.63 -3.03	37.53 3.16 0.00	36.83 3.22 -1.45	40.96 3.40 -3.90	40.91 3.46 -3.83	41.18 3.52 -4.10	42.46 3.74 -3.76	45.53 3.96 -3.13	47.37 4.18 -3.04	49.55 4.67 0.00	58.20 5.58 0.00	68.50 6.23 0.00	58.99 4.92 0.00	48.77 3.82 0.00	44.29 3.62 0.00	40.04 3.47 -0.74	35.91 3.24 -0.59	34.30 2.81 -2.80
FARRAGUT___LBMP 323566	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.77 3.15 -1.45	40.89 3.33 -3.90	40.87 3.43 -3.83	41.12 3.46 -4.10	42.43 3.71 -3.76	45.49 3.92 -3.13	47.33 4.14 -3.04	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.93 4.87 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
FENNER___WINDPWR 24204	30.06 0.59 -1.44	25.58 0.45 -1.24	25.25 0.44 -0.49	25.21 0.44 -0.43	25.20 0.46 -0.33	27.00 0.52 -0.34	31.10 0.69 -0.55	36.97 0.96 -1.64	34.64 0.77 -1.71	36.85 0.84 -2.35	35.11 0.81 -0.69	34.49 0.77 -0.16	35.89 0.70 -0.23	39.65 0.81 -0.40	41.19 0.76 -0.28	46.44 0.81 -0.76	55.01 0.95 -1.44	69.15 1.31 -5.56	54.60 1.24 0.72	46.28 0.99 -0.35	41.47 0.94 0.14	36.61 0.75 -0.04	32.86 0.67 -0.10	29.64 0.60 -0.34
FIBERTEK___ENERGY 23856	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.19 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.35 -0.13 -0.83	33.51 -0.10 0.00	33.77 -0.03 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.75 -0.16 -0.76	45.61 -0.22 -0.96	55.02 -0.21 -2.62	64.50 -0.19 -2.41	53.92 -0.22 -0.07	45.33 -0.22 -0.61	40.72 -0.16 -0.22	35.82 -0.21 -0.22	32.13 -0.10 -0.15	28.86 -0.09 -0.26
FITZPATRICK____ 23598	27.81 -0.84 -0.62	23.70 -0.72 -0.53	23.78 -0.75 -0.21	23.77 -0.75 -0.18	23.79 -0.76 -0.14	25.45 -0.84 -0.15	26.66 -0.96 2.24	32.04 -1.03 1.30	29.90 -1.03 1.23	29.66 -1.08 2.92	32.64 -0.98 0.00	31.43 -0.97 1.16	32.23 -1.05 1.68	34.32 -1.15 2.97	34.33 -1.25 4.58	37.17 -1.44 6.27	37.52 -1.69 13.41	46.95 -1.93 13.39	50.90 -1.62 1.55	40.12 -1.39 3.44	38.26 -1.22 1.19	34.03 -1.11 0.68	30.73 -0.93 0.42	28.00 -0.83 -0.14
FLOWRFLD_69_KV_BK1 356044	86.30 3.36 -54.91	72.36 2.79 -45.68	55.17 2.77 -28.07	44.80 2.65 -17.81	43.96 2.56 -17.00	45.09 2.77 -16.18	40.36 3.29 -7.21	44.80 4.02 -6.41	48.44 4.05 -12.23	61.53 4.34 -23.53	66.17 4.47 -28.09	67.40 4.46 -29.38	75.64 4.72 -35.96	108.73 4.92 -65.37	124.54 5.18 -79.21	134.33 5.70 -83.75	163.30 6.79 -103.89	185.89 7.66 -115.95	190.91 6.33 -130.52	147.21 5.12 -97.13	125.32 4.80 -79.85	96.56 4.41 -56.33	65.71 4.14 -29.49	64.38 3.62 -32.07
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	42.28 2.27 -11.98	36.07 1.86 -10.32	30.32 1.92 -4.07	29.75 1.83 -3.59	28.97 1.81 -2.76	30.94 1.96 -2.85	35.22 2.33 -3.02	37.12 2.75 0.00	36.61 2.99 -1.46	39.47 3.20 -2.62	36.91 3.29 0.00	36.78 3.22 0.00	38.49 3.53 0.00	42.33 3.77 -0.12	44.17 4.02 0.00	49.46 4.58 0.00	57.51 4.89 0.00	68.00 5.73 0.00	58.72 4.65 0.00	48.64 3.69 0.00	44.13 3.46 0.00	39.68 3.12 -0.74	35.52 2.86 -0.59	33.92 2.41 -2.82
FORT ORANGE____ 23900	44.23 1.06 -15.13	37.86 0.93 -13.04	30.41 0.95 -5.14	29.82 0.95 -4.53	28.89 1.00 -3.48	30.75 1.02 -3.59	34.84 1.16 -3.81	35.40 1.03 0.00	34.98 0.96 -1.85	37.81 1.01 -3.14	34.55 0.94 0.00	34.50 0.94 0.00	35.98 1.01 0.00	39.50 0.96 -0.10	41.27 1.12 0.00	46.13 1.25 0.00	54.04 1.42 0.00	64.08 1.81 0.00	55.69 1.62 0.00	46.35 1.40 0.00	42.09 1.42 0.00	38.00 1.22 -0.96	33.86 1.03 -0.76	33.39 1.09 -3.61
FORT_DRUM_COGEN 23780	27.67 -0.87 -0.51	23.56 -0.76 -0.44	23.72 -0.78 -0.17	23.83 -0.66 -0.15	23.93 -0.59 -0.12	25.68 -0.58 -0.12	29.89 -0.45 -0.47	34.07 -0.48 -0.18	31.63 -0.77 -0.24	33.37 -0.81 -0.51	32.70 -0.91 0.00	32.58 -1.14 -0.16	33.55 -1.43 -0.02	37.27 -1.58 -0.41	36.50 -1.65 2.01	39.11 -1.88 3.88	49.59 -2.21 0.82	57.40 -2.30 2.57	50.09 -1.68 2.30	43.20 -1.17 0.58	39.67 -0.94 0.07	35.14 -0.90 -0.22	31.27 -0.90 -0.09	28.06 -0.75 -0.12
FOX_HILLS___ESR 323835	42.78 2.69 -12.06	36.40 2.15 -10.36	30.68 2.26 -4.09	30.14 2.19 -3.61	29.30 2.12 -2.77	31.26 2.27 -2.85	35.58 2.69 -3.03	37.66 3.23 -0.06	43.14 3.28 -7.70	41.03 3.47 -3.90	41.13 3.56 -3.95	41.41 3.62 -4.23	64.49 3.88 -25.65	45.72 4.07 -3.21	48.79 4.18 -4.46	49.60 4.67 -0.06	89.61 5.58 -31.42	68.62 6.29 -0.06	59.06 4.92 -0.07	48.82 3.87 0.00	44.41 3.74 0.00	40.43 3.69 -0.92	42.97 3.40 -7.49	34.47 2.93 -2.86
FPL FAR_ROCK_GT1 24212	85.65 2.72 -54.91	71.83 2.27 -45.68	54.97 2.58 -28.07	44.80 2.65 -17.81	43.99 2.59 -17.00	45.12 2.80 -16.18	40.27 3.23 -7.18	44.52 3.75 -6.41	48.16 3.76 -12.24	60.90 3.70 -23.54	65.51 3.83 -28.07	66.79 3.96 -29.27	66.63 4.16 -27.51	66.93 4.46 -24.03	70.15 4.34 -25.66	71.12 4.94 -21.30	73.55 5.94 -14.99	75.40 6.79 -6.34	75.62 5.46 -16.09	70.35 4.18 -21.22	69.51 4.35 -24.49	68.12 4.05 -28.26	65.33 3.72 -29.53	64.11 3.18 -32.23



FPL FAR_ROCK_GT2 23815	85.65 2.72 -54.91	71.83 2.27 -45.68	54.97 2.58 -28.07	44.80 2.65 -17.81	43.99 2.59 -17.00	45.12 2.80 -16.18	40.27 3.23 -7.18	44.52 3.75 -6.41	48.16 3.76 -12.24	60.90 3.70 -23.54	65.51 3.83 -28.07	66.79 3.96 -29.27	66.63 4.16 -27.51	66.93 4.46 -24.03	70.15 4.34 -25.66	71.12 4.94 -21.30	73.55 5.94 -14.99	75.40 6.79 -6.34	75.62 5.46 -16.09	70.35 4.18 -21.22	69.51 4.35 -24.49	68.12 4.05 -28.26	65.33 3.72 -29.53	64.11 3.18 -32.23
FRANKLIN_FALL_HYD 24054	27.02 -1.01 0.00	23.15 -0.74 0.00	23.57 -0.75 0.00	23.66 -0.68 0.00	23.75 -0.66 0.00	25.51 -0.63 0.00	29.18 -0.69 0.00	33.51 -0.86 0.00	31.29 -0.87 0.00	32.68 -0.98 0.00	32.54 -1.08 0.00	32.32 -1.24 0.00	32.59 -1.36 1.00	37.02 -1.42 0.00	33.79 -1.45 4.92	34.36 -1.66 8.85	45.35 -1.89 5.37	54.29 -2.05 5.93	48.44 -1.78 3.84	42.33 -0.90 1.72	39.47 -0.69 0.51	35.18 -0.64 0.00	31.28 -0.80 0.00	28.03 -0.66 0.00
FREEPORT_EQUS_GT1 23764	85.80 2.86 -54.91	71.95 2.39 -45.68	54.93 2.53 -28.07	44.58 2.43 -17.81	43.77 2.37 -17.00	44.88 2.56 -16.18	40.06 3.02 -7.18	44.32 3.54 -6.41	47.93 3.54 -12.24	60.97 3.77 -23.54	65.45 3.76 -28.07	66.69 3.86 -29.27	66.38 3.91 -27.51	66.66 4.19 -24.03	70.23 4.42 -25.66	71.16 4.98 -21.30	73.60 6.00 -14.99	75.52 6.91 -6.34	75.68 5.52 -16.09	70.49 4.32 -21.22	69.22 4.07 -24.49	67.98 3.91 -28.26	65.20 3.59 -29.53	64.02 3.10 -32.23
FREEPORT___CT2 23818	85.80 2.86 -54.91	71.95 2.39 -45.68	54.93 2.53 -28.07	44.58 2.43 -17.81	43.77 2.37 -17.00	44.88 2.56 -16.18	40.06 3.02 -7.18	44.32 3.54 -6.41	47.93 3.54 -12.24	60.97 3.77 -23.54	65.45 3.76 -28.07	66.69 3.86 -29.27	66.38 3.91 -27.51	66.66 4.19 -24.03	70.23 4.42 -25.66	71.16 4.98 -21.30	73.60 6.00 -14.99	75.52 6.91 -6.34	75.68 5.52 -16.09	70.49 4.32 -21.22	69.22 4.07 -24.49	67.98 3.91 -28.26	65.20 3.59 -29.53	64.02 3.10 -32.23
FRESHKLS_33_KV_LOAD 356253	42.73 2.66 -12.04	36.37 2.13 -10.36	30.68 2.26 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.26 2.27 -2.85	35.55 2.66 -3.03	37.53 3.13 -0.04	39.57 3.22 -4.19	40.95 3.40 -3.89	40.97 3.53 -3.82	41.24 3.59 -4.09	42.67 3.85 -3.87	45.67 4.04 -3.20	47.36 4.18 -3.03	49.52 4.62 -0.02	74.27 5.58 -16.08	68.58 6.29 -0.02	58.98 4.92 0.01	48.81 3.87 0.01	44.40 3.74 0.01	40.34 3.69 -0.82	39.58 3.37 -4.13	34.44 2.90 -2.85
FULTON COGEN____ 23766	28.36 -0.48 -0.81	24.16 -0.43 -0.70	24.14 -0.46 -0.28	24.09 -0.49 -0.24	24.10 -0.49 -0.19	25.81 -0.52 -0.19	30.29 -0.57 -0.99	35.16 -0.58 -1.37	32.78 -0.64 -1.26	34.88 -0.64 -1.86	33.98 -0.57 -0.93	34.15 -0.57 -1.16	35.77 -0.63 -1.44	39.70 -0.69 -1.95	41.58 -0.80 -2.23	46.88 -0.90 -2.90	57.09 -1.05 -5.52	67.32 -1.12 -6.16	54.69 -0.97 -1.60	45.97 -0.85 -1.87	40.92 -0.69 -0.94	35.83 -0.64 -0.65	31.75 -0.51 -0.19	28.42 -0.46 -0.19
FULTON___LFGE 323630	49.13 3.17 -17.93	42.09 2.75 -15.45	32.95 2.53 -6.09	32.24 2.53 -5.37	31.24 2.71 -4.13	33.37 2.98 -4.26	37.97 3.58 -4.52	38.18 3.81 0.00	37.93 3.57 -2.20	40.72 3.50 -3.56	36.97 3.36 0.00	36.88 3.32 0.00	38.53 3.57 0.00	42.04 3.53 -0.06	44.09 3.94 0.00	49.46 4.58 0.00	57.93 5.31 0.00	69.74 7.47 0.00	61.58 7.51 0.00	51.51 6.56 0.00	46.41 5.74 0.00	41.74 4.80 -1.12	36.81 3.85 -0.88	36.04 3.13 -4.22
G.F.CEMENT___DRP 24184	45.56 1.77 -15.77	39.03 1.55 -13.59	31.09 1.41 -5.36	30.47 1.41 -4.72	29.55 1.51 -3.63	31.50 1.62 -3.74	35.81 1.97 -3.98	36.57 2.20 0.00	36.18 2.09 -1.93	38.98 2.09 -3.24	35.29 1.68 0.00	35.27 1.71 0.00	36.85 1.89 0.00	40.15 1.61 -0.09	41.96 1.81 0.00	47.03 2.15 0.00	55.14 2.53 0.00	65.64 3.36 0.00	57.58 3.51 0.00	48.10 3.15 0.00	43.76 3.09 0.00	39.38 2.58 -0.98	34.97 2.12 -0.77	34.11 1.72 -3.70
GARDENVILLE___LBMP 24039	28.79 -1.01 -1.77	24.43 -0.98 -1.52	23.93 -1.00 -0.60	23.82 -1.05 -0.53	23.69 -1.12 -0.41	25.35 -1.20 -0.42	28.79 -1.52 -0.45	29.82 -2.17 2.38	28.30 -2.06 1.81	29.45 -2.29 1.92	29.52 -2.08 2.00	30.80 -1.81 0.95	31.79 -2.10 1.08	35.24 -2.00 1.20	36.32 -2.57 1.27	39.07 -3.46 2.36	46.50 -4.21 1.90	50.82 -4.67 6.78	48.80 -3.35 1.91	40.60 -2.79 1.56	37.63 -2.24 0.80	33.11 -2.33 0.38	30.49 -1.67 -0.08	27.92 -1.15 -0.38
GARDNVLA_35_KV_LD 355827	28.91 -0.90 -1.78	24.51 -0.91 -1.53	24.00 -0.92 -0.60	23.90 -0.97 -0.53	23.76 -1.05 -0.41	25.43 -1.12 -0.42	28.88 -1.43 -0.45	29.97 -2.03 2.37	28.43 -1.93 1.80	29.63 -2.12 1.91	29.67 -1.95 2.00	30.94 -1.68 0.94	31.94 -1.96 1.07	35.44 -1.81 1.19	36.53 -2.37 1.26	39.26 -3.28 2.34	46.73 -4.00 1.89	51.04 -4.48 6.75	49.02 -3.14 1.91	40.79 -2.61 1.56	37.76 -2.11 0.80	33.22 -2.22 0.38	30.59 -1.57 -0.08	28.04 -1.03 -0.38
GELCKHM___115KV_LOAD 80723	28.64 -0.31 -0.92	24.39 -0.29 -0.79	24.32 -0.32 -0.31	24.27 -0.34 -0.28	24.27 -0.34 -0.21	25.99 -0.37 -0.22	29.99 -0.39 -0.52	33.56 -0.38 0.43	31.52 -0.45 0.19	33.29 -0.44 -0.07	32.68 -0.37 0.56	32.91 -0.30 0.35	34.23 -0.38 0.35	37.79 -0.38 0.27	39.33 -0.48 0.34	43.76 -0.58 0.54	52.31 -0.68 -0.38	61.11 -0.75 0.41	52.66 -0.54 0.87	44.19 -0.54 0.23	40.04 -0.41 0.22	35.30 -0.47 0.06	31.85 -0.32 -0.09	28.61 -0.29 -0.21
GENERAL___MILLS 23808	28.82 -0.98 -1.77	24.46 -0.96 -1.53	23.95 -0.97 -0.60	23.85 -1.02 -0.53	23.71 -1.10 -0.41	25.38 -1.18 -0.42	28.82 -1.49 -0.45	29.90 -2.10 2.38	28.37 -1.99 1.80	29.53 -2.22 1.91	29.60 -2.02 2.00	30.84 -1.78 0.94	31.83 -2.06 1.07	35.33 -1.92 1.19	36.40 -2.49 1.26	39.16 -3.37 2.35	46.62 -4.10 1.89	50.91 -4.61 6.76	48.86 -3.30 1.91	40.65 -2.74 1.56	37.68 -2.20 0.80	33.15 -2.29 0.38	30.52 -1.64 -0.08	27.95 -1.12 -0.38
GE_PLASTICS___DRP 24183	44.16 0.98 -15.15	37.80 0.86 -13.05	30.35 0.88 -5.15	29.75 0.88 -4.54	28.79 0.90 -3.49	30.68 0.94 -3.60	34.73 1.05 -3.82	35.50 1.13 0.00	35.10 1.09 -1.85	37.93 1.14 -3.13	34.72 1.11 0.00	34.67 1.11 0.00	36.15 1.19 0.00	39.69 1.15 -0.09	41.44 1.28 0.00	46.36 1.48 0.00	54.30 1.68 0.00	64.27 1.99 0.00	55.85 1.78 0.00	46.43 1.48 0.00	42.09 1.42 0.00	38.02 1.25 -0.94	33.95 1.12 -0.74	33.28 1.03 -3.56
GILBOA___1 23756	40.78 1.06 -11.69	34.84 0.88 -10.07	29.22 0.92 -3.97	28.81 0.97 -3.50	28.07 0.98 -2.69	29.96 1.05 -2.78	33.92 1.11 -2.95	35.74 1.34 -0.04	34.95 1.32 -1.47	37.49 1.38 -2.45	34.96 1.35 0.00	34.97 1.38 -0.03	36.44 1.43 -0.05	40.04 1.46 -0.14	41.85 1.56 -0.13	46.81 1.75 -0.18	55.01 2.00 -0.39	64.85 2.18 -0.39	55.96 1.89 0.00	46.52 1.57 0.00	42.13 1.46 0.00	37.92 1.36 -0.73	33.95 1.28 -0.58	32.59 1.12 -2.78
GILBOA___2 23757	40.78 1.06 -11.69	34.84 0.88 -10.07	29.22 0.92 -3.97	28.81 0.97 -3.50	28.07 0.98 -2.69	29.96 1.05 -2.78	33.92 1.11 -2.95	35.74 1.34 -0.04	34.95 1.32 -1.47	37.49 1.38 -2.45	34.96 1.35 0.00	34.97 1.38 -0.03	36.44 1.43 -0.05	40.04 1.46 -0.14	41.85 1.56 -0.13	46.81 1.75 -0.18	55.01 2.00 -0.39	64.85 2.18 -0.39	55.96 1.89 0.00	46.52 1.57 0.00	42.13 1.46 0.00	37.92 1.36 -0.73	33.95 1.28 -0.58	32.59 1.12 -2.78

GILBOA___3 23758	40.78 1.06 -11.69	34.84 0.88 -10.07	29.22 0.92 -3.97	28.81 0.97 -3.50	28.07 0.98 -2.69	29.96 1.05 -2.78	33.92 1.11 -2.95	35.74 1.34 -0.04	34.95 1.32 -1.47	37.49 1.38 -2.45	34.96 1.35 0.00	34.97 1.38 -0.03	36.44 1.43 -0.05	40.04 1.46 -0.14	41.85 1.56 -0.13	46.81 1.75 -0.18	55.01 2.00 -0.39	64.85 2.18 -0.39	55.96 1.89 0.00	46.52 1.57 0.00	42.13 1.46 0.00	37.92 1.36 -0.73	33.95 1.28 -0.58	32.59 1.12 -2.78
GILBOA___4 23759	40.78 1.06 -11.69	34.84 0.88 -10.07	29.22 0.92 -3.97	28.81 0.97 -3.50	28.07 0.98 -2.69	29.96 1.05 -2.78	33.92 1.11 -2.95	35.74 1.34 -0.04	34.95 1.32 -1.47	37.49 1.38 -2.45	34.96 1.35 0.00	34.97 1.38 -0.03	36.44 1.43 -0.05	40.04 1.46 -0.14	41.85 1.56 -0.13	46.81 1.75 -0.18	55.01 2.00 -0.39	64.85 2.18 -0.39	55.96 1.89 0.00	46.52 1.57 0.00	42.13 1.46 0.00	37.92 1.36 -0.73	33.95 1.28 -0.58	32.59 1.12 -2.78
GILBOA___ 23599	40.78 1.07 -11.69	34.84 0.88 -10.07	29.22 0.92 -3.97	28.81 0.97 -3.50	28.07 0.98 -2.69	29.96 1.05 -2.78	33.92 1.10 -2.95	35.74 1.34 -0.04	34.94 1.32 -1.46	37.48 1.38 -2.44	34.96 1.34 0.00	34.93 1.34 -0.03	36.44 1.43 -0.05	40.04 1.46 -0.14	41.84 1.57 -0.13	46.80 1.75 -0.17	54.99 2.00 -0.37	64.82 2.18 -0.37	56.06 1.95 -0.05	46.63 1.57 -0.10	42.17 1.46 -0.04	37.93 1.36 -0.75	33.95 1.28 -0.59	32.56 1.12 -2.75
GINNA___ 23603	27.75 -1.51 -1.23	23.56 -1.39 -1.06	23.36 -1.39 -0.42	23.25 -1.46 -0.37	23.22 -1.46 -0.28	24.89 -1.54 -0.29	28.41 -1.76 -0.31	29.88 -2.44 2.05	28.27 -2.35 1.55	29.52 -2.56 1.58	29.71 -2.08 1.81	30.33 -2.05 1.18	31.46 -2.17 1.34	34.80 -2.15 1.48	36.02 -2.57 1.56	39.29 -3.19 2.40	46.68 -3.73 2.21	52.47 -4.17 5.63	48.89 -3.08 2.10	40.94 -2.52 1.50	37.56 -2.24 0.87	33.07 -2.29 0.46	30.24 -1.89 -0.06	27.43 -1.52 -0.26
GLEN PARK___ 23778	27.86 -0.70 -0.52	23.70 -0.64 -0.45	23.87 -0.63 -0.18	23.96 -0.54 -0.16	24.06 -0.46 -0.12	25.82 -0.44 -0.12	30.06 -0.30 -0.50	34.42 -0.34 -0.39	31.93 -0.64 -0.41	33.68 -0.67 -0.69	33.01 -0.81 -0.20	32.86 -1.04 -0.34	33.87 -1.33 -0.23	37.66 -1.42 -0.64	36.74 -1.57 1.84	39.53 -1.75 3.60	49.96 -2.05 0.60	57.94 -2.05 2.28	50.60 -1.35 2.12	43.60 -0.90 0.46	39.96 -0.69 0.02	35.38 -0.68 -0.24	31.47 -0.71 -0.09	28.18 -0.63 -0.12
GLENDALE_27_KV_LOAD 356172	42.81 2.78 -12.00	36.50 2.27 -10.34	30.76 2.36 -4.08	30.15 2.21 -3.59	29.31 2.15 -2.76	31.31 2.33 -2.85	35.70 2.81 -3.03	37.81 3.44 0.00	38.00 3.51 -2.33	41.20 3.64 -3.90	41.29 3.73 -3.95	41.58 3.79 -4.23	42.86 4.02 -3.87	45.87 4.23 -3.21	47.66 4.38 -3.13	49.72 4.85 0.00	58.41 5.79 0.00	68.81 6.54 0.00	59.14 5.08 0.01	48.95 4.00 0.00	44.57 3.90 0.00	40.39 3.83 -0.74	36.20 3.53 -0.59	34.56 3.07 -2.80
GLENWOOD_IC_1_G5 23712	85.66 2.72 -54.91	71.81 2.25 -45.68	54.71 2.31 -28.07	44.34 2.19 -17.81	43.74 2.34 -17.00	44.86 2.54 -16.18	40.06 2.99 -7.21	44.35 3.57 -6.41	47.70 3.31 -12.23	60.72 3.53 -23.53	65.35 3.66 -28.07	66.55 3.73 -29.27	66.46 3.99 -27.51	66.70 4.23 -24.03	70.27 4.46 -25.66	71.25 5.07 -21.30	73.71 6.10 -14.99	75.46 6.85 -6.34	75.68 5.51 -16.09	70.49 4.32 -21.22	69.18 4.03 -24.49	67.76 3.73 -28.21	64.94 3.37 -29.49	63.69 2.93 -32.07
GLENWOOD_IC_2_G1 23688	85.71 2.78 -54.91	71.88 2.32 -45.68	54.78 2.39 -28.07	44.44 2.29 -17.81	43.67 2.27 -17.00	44.78 2.46 -16.18	39.97 2.93 -7.18	44.21 3.44 -6.41	47.77 3.38 -12.24	60.80 3.60 -23.54	65.38 3.70 -28.07	66.62 3.79 -29.27	66.45 3.98 -27.51	66.74 4.27 -24.03	70.31 4.50 -25.66	71.25 5.07 -21.30	73.65 6.05 -14.99	75.52 6.91 -6.34	75.68 5.52 -16.09	70.49 4.32 -21.22	69.22 4.07 -24.49	67.87 3.80 -28.26	65.07 3.47 -29.53	63.91 2.98 -32.23
GLENWOOD_IC_3_G1 23689	85.71 2.78 -54.91	71.88 2.32 -45.68	54.78 2.39 -28.07	44.44 2.29 -17.81	43.67 2.27 -17.00	44.78 2.46 -16.18	39.97 2.93 -7.18	44.21 3.44 -6.41	47.77 3.38 -12.24	60.80 3.60 -23.54	65.38 3.70 -28.07	66.62 3.79 -29.27	66.45 3.98 -27.51	66.74 4.27 -24.03	70.31 4.50 -25.66	71.25 5.07 -21.30	73.65 6.05 -14.99	75.52 6.91 -6.34	75.68 5.52 -16.09	70.49 4.32 -21.22	69.22 4.07 -24.49	67.87 3.80 -28.26	65.07 3.47 -29.53	63.91 2.98 -32.23
GLENWOOD___4 23550	85.71 2.78 -54.91	71.88 2.32 -45.68	54.76 2.36 -28.07	44.41 2.26 -17.81	43.74 2.34 -17.00	44.86 2.54 -16.18	40.06 2.99 -7.21	44.35 3.57 -6.41	47.80 3.41 -12.23	60.79 3.60 -23.53	65.41 3.73 -28.07	66.66 3.83 -29.27	66.53 4.06 -27.51	66.82 4.34 -24.03	70.39 4.58 -25.66	71.34 5.16 -21.30	73.81 6.21 -14.99	75.65 7.04 -6.34	75.84 5.68 -16.09	70.58 4.41 -21.22	69.27 4.11 -24.49	67.87 3.83 -28.21	65.04 3.46 -29.49	63.78 3.01 -32.07
GLENWOOD___5 23614	85.71 2.78 -54.91	71.88 2.32 -45.68	54.76 2.36 -28.07	44.41 2.26 -17.81	43.74 2.34 -17.00	44.86 2.54 -16.18	40.06 2.99 -7.21	44.35 3.57 -6.41	47.80 3.41 -12.23	60.79 3.60 -23.53	65.41 3.73 -28.07	66.66 3.83 -29.27	66.53 4.06 -27.51	66.82 4.34 -24.03	70.39 4.58 -25.66	71.34 5.16 -21.30	73.81 6.21 -14.99	75.65 7.04 -6.34	75.84 5.68 -16.09	70.58 4.41 -21.22	69.27 4.11 -24.49	67.87 3.83 -28.21	65.04 3.46 -29.49	63.78 3.01 -32.07
GLOBAL GREEN_PORT_GT1 23814	86.61 3.67 -54.91	72.57 3.01 -45.68	55.34 2.94 -28.07	45.09 2.94 -17.81	44.21 2.81 -17.00	45.27 2.95 -16.18	40.48 3.43 -7.18	45.04 4.26 -6.41	48.90 4.50 -12.24	62.21 5.02 -23.54	67.17 5.48 -28.08	68.52 5.60 -29.35	74.99 6.19 -33.83	107.55 6.96 -62.15	113.22 7.35 -65.72	120.98 8.08 -68.02	143.68 9.58 -81.49	162.00 11.40 -88.33	165.27 9.52 -101.68	130.38 7.42 -78.01	113.45 6.87 -65.90	91.42 6.31 -49.29	66.94 5.33 -29.53	65.51 4.59 -32.23
GLOBE___DSASP 323697	27.89 -1.77 -1.62	23.71 -1.58 -1.40	23.30 -1.58 -0.55	23.19 -1.63 -0.49	23.07 -1.71 -0.37	24.67 -1.86 -0.39	27.88 -2.39 -0.41	28.22 -3.81 2.33	26.93 -3.47 1.76	28.01 -3.80 1.85	28.46 -3.16 2.00	29.56 -2.95 1.05	30.42 -3.36 1.19	33.69 -3.42 1.32	34.70 -4.06 1.40	37.33 -5.12 2.43	44.20 -6.31 2.10	49.75 -5.98 6.54	46.65 -5.41 2.02	39.11 -4.27 1.57	36.29 -3.54 0.84	32.00 -3.40 0.42	29.52 -2.63 -0.07	27.14 -1.89 -0.35
GOETHSLN___LBMP 323567	42.36 2.33 -12.00	36.24 2.01 -10.34	30.44 2.04 -4.08	29.85 1.92 -3.59	29.02 1.85 -2.76	31.00 2.01 -2.85	35.37 2.48 -3.03	37.36 2.99 0.00	36.64 3.02 -1.45	40.73 3.16 -3.90	40.70 3.26 -3.83	40.95 3.29 -4.10	42.25 3.53 -3.76	45.30 3.73 -3.13	47.13 3.93 -3.04	49.28 4.40 0.00	57.88 5.26 0.00	68.19 5.92 0.00	58.66 4.60 0.00	48.46 3.51 0.00	44.05 3.38 0.00	39.82 3.26 -0.74	35.75 3.08 -0.59	34.19 2.70 -2.80
GOLAH___69_KV_TB 1_2 80279	29.11 -0.22 -1.30	24.72 -0.29 -1.12	24.47 -0.29 -0.44	24.36 -0.37 -0.39	24.29 -0.41 -0.30	26.03 -0.42 -0.31	29.65 -0.54 -0.33	30.91 -1.31 2.15	29.23 -1.32 1.61	30.53 -1.48 1.65	30.78 -0.94 1.89	31.64 -0.74 1.18	32.61 -1.01 1.34	36.06 -0.88 1.49	37.30 -1.28 1.57	40.53 -1.88 2.46	48.13 -2.26 2.23	54.03 -2.37 5.87	50.60 -1.35 2.12	42.33 -1.08 1.54	39.01 -0.77 0.88	34.39 -0.97 0.46	31.50 -0.64 -0.06	28.74 -0.23 -0.28

GOODYEAR_LAKE_HYD 323669	32.85 1.04 -3.78	27.98 0.84 -3.26	26.44 0.83 -1.28	26.30 0.83 -1.13	26.13 0.85 -0.87	27.98 0.94 -0.90	31.95 1.13 -0.95	35.83 1.41 -0.06	33.93 1.25 -0.52	35.85 1.35 -0.85	34.96 1.34 0.00	34.92 1.31 -0.05	36.37 1.33 -0.07	39.99 1.42 -0.13	42.38 1.77 -0.47	47.44 1.93 -0.63	55.84 2.26 -0.96	66.28 2.80 -1.21	56.84 2.65 -0.12	47.47 2.16 -0.36	42.59 1.83 -0.09	37.67 1.58 -0.27	33.70 1.41 -0.21	30.68 1.18 -0.82
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	31.56 0.17 -3.37	26.88 0.10 -2.90	25.54 0.07 -1.14	25.39 0.05 -1.01	25.23 0.05 -0.77	27.01 0.08 -0.80	30.98 0.09 -1.02	35.69 0.52 -0.81	33.64 0.39 -1.10	35.61 0.40 -1.55	34.53 0.37 -0.55	34.64 0.40 -0.68	36.19 0.38 -0.84	40.02 0.46 -1.12	41.92 0.32 -1.44	47.15 0.31 -1.96	56.39 0.42 -3.35	66.72 0.56 -3.88	54.18 0.38 0.27	45.45 0.22 -0.28	40.86 0.20 0.01	36.12 0.07 -0.23	32.54 0.19 -0.27	29.79 0.20 -0.90
GOUDEY___7 23579	31.59 0.20 -3.37	26.88 0.10 -2.90	25.56 0.10 -1.14	25.42 0.07 -1.01	25.25 0.07 -0.77	27.04 0.10 -0.80	31.01 0.12 -1.02	35.72 0.55 -0.81	33.67 0.42 -1.10	35.64 0.44 -1.55	34.56 0.40 -0.55	34.68 0.44 -0.68	36.23 0.42 -0.84	40.06 0.50 -1.12	41.96 0.36 -1.44	47.19 0.36 -1.96	56.44 0.47 -3.35	66.78 0.62 -3.88	54.23 0.43 0.27	45.50 0.27 -0.28	40.90 0.24 0.01	36.16 0.11 -0.23	32.57 0.22 -0.27	29.82 0.23 -0.90
GOUDEY___8 23580	31.56 0.17 -3.37	26.88 0.10 -2.90	25.54 0.07 -1.14	25.39 0.05 -1.01	25.23 0.05 -0.77	27.01 0.08 -0.80	30.98 0.09 -1.02	35.69 0.52 -0.81	33.64 0.39 -1.10	35.61 0.40 -1.55	34.53 0.37 -0.55	34.64 0.40 -0.68	36.19 0.38 -0.84	40.02 0.46 -1.12	41.92 0.32 -1.44	47.15 0.31 -1.96	56.39 0.42 -3.35	66.72 0.56 -3.88	54.18 0.38 0.27	45.45 0.22 -0.28	40.86 0.20 0.01	36.12 0.07 -0.23	32.54 0.19 -0.27	29.79 0.20 -0.90
GOWANUS_GT1_1 24077	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_2 24078	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_3 24079	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_4 24080	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_5 24084	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_6 24111	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_7 24112	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT1_8 24113	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT2_1 24114	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT2_2 24115	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT2_3 24116	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02

GOWANUS_GT2_4 24117	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT2_5 24118	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT2_6 24119	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT2_7 24120	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT2_8 24121	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_1 24122	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_2 24123	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_3 24124	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_4 24125	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_5 24126	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_6 24127	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_7 24128	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT3_8 24129	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
GOWANUS_GT4_1 24130	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT4_2 24131	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86

GOWANUS_GT4_3 24132	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT4_4 24133	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT4_5 24134	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT4_6 24135	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT4_7 24136	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GOWANUS_GT4_8 24137	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GREENBSH_115KV_TB3 55895	44.17 0.93 -15.22	37.81 0.81 -13.11	30.34 0.85 -5.17	29.75 0.85 -4.56	28.78 0.88 -3.50	30.66 0.91 -3.61	34.72 1.02 -3.84	35.43 1.07 0.00	35.05 1.03 -1.86	37.89 1.08 -3.15	34.62 1.01 0.00	34.57 1.01 0.00	36.08 1.12 0.00	39.61 1.08 -0.10	41.36 1.20 0.00	46.27 1.39 0.00	54.14 1.53 0.00	64.14 1.87 0.00	55.74 1.68 0.00	46.39 1.44 0.00	42.05 1.38 0.00	37.95 1.18 -0.94	33.89 1.06 -0.75	33.24 0.98 -3.57
GREENDGE_115KV_TB5 80291	29.95 -0.03 -1.94	25.42 -0.14 -1.68	24.84 -0.15 -0.66	24.68 -0.24 -0.58	24.63 -0.22 -0.45	26.44 -0.16 -0.46	30.37 -0.12 -0.63	30.68 -0.48 3.20	28.88 -0.68 2.61	30.05 -0.74 2.87	30.72 -0.61 2.28	32.59 -0.64 0.33	33.82 -0.80 0.34	37.52 -0.65 0.27	38.99 -1.00 0.16	42.03 -1.30 1.54	51.66 -1.37 -0.41	52.16 -1.31 8.81	52.19 -0.70 1.18	42.92 -0.72 1.31	39.74 -0.49 0.44	34.92 -0.75 0.15	31.89 -0.32 -0.13	28.93 -0.20 -0.44
GREENIDGE___3 23582	29.95 -0.03 -1.94	25.42 -0.14 -1.68	24.84 -0.15 -0.66	24.68 -0.24 -0.58	24.63 -0.22 -0.45	26.44 -0.16 -0.46	30.37 -0.12 -0.63	30.68 -0.48 3.20	28.88 -0.68 2.61	30.05 -0.74 2.87	30.72 -0.61 2.28	32.59 -0.64 0.33	33.82 -0.80 0.34	37.52 -0.65 0.27	38.99 -1.00 0.16	42.03 -1.30 1.54	51.66 -1.37 -0.41	52.16 -1.31 8.81	52.19 -0.70 1.18	42.92 -0.72 1.31	39.74 -0.49 0.44	34.92 -0.75 0.15	31.89 -0.32 -0.13	28.93 -0.20 -0.44
GREENIDGE___4 23583	29.95 -0.03 -1.94	25.42 -0.14 -1.68	24.84 -0.15 -0.66	24.68 -0.24 -0.58	24.63 -0.22 -0.45	26.44 -0.16 -0.46	30.38 -0.12 -0.63	30.68 -0.48 3.20	28.83 -0.71 2.63	30.02 -0.74 2.90	30.72 -0.64 2.25	32.49 -0.74 0.33	33.86 -0.77 0.34	37.51 -0.65 0.27	39.00 -0.96 0.19	41.96 -1.35 1.57	51.57 -1.37 -0.32	51.95 -1.31 9.02	52.18 -0.65 1.24	42.86 -0.63 1.46	39.69 -0.49 0.49	34.84 -0.79 0.19	31.71 -0.48 -0.11	28.86 -0.23 -0.40
GREENLWN_69_KV_BK 3 55738	85.57 2.63 -54.91	71.74 2.17 -45.68	54.61 2.21 -28.07	44.24 2.09 -17.81	43.43 2.03 -17.00	44.52 2.20 -16.18	39.70 2.63 -7.21	43.97 3.20 -6.41	47.64 3.25 -12.23	60.62 3.43 -23.53	65.07 3.39 -28.07	66.61 3.79 -29.25	65.14 4.06 -26.12	64.84 4.23 -22.17	61.52 4.50 -16.88	61.00 5.07 -11.06	58.86 5.84 -0.40	57.16 6.54 11.65	56.63 5.24 2.68	58.17 4.45 -8.77	60.18 4.11 -15.41	63.19 3.76 -23.60	64.72 3.14 -29.49	63.49 2.73 -32.07
GREENWD_138_KV_38B11_REV_LBMP_J 345004	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86
GRISSOM___SOLAR 323813	49.13 3.17 -17.93	42.09 2.75 -15.45	32.95 2.53 -6.09	32.24 2.53 -5.37	31.24 2.71 -4.13	33.37 2.98 -4.26	37.97 3.58 -4.52	38.18 3.81 0.00	37.93 3.57 -2.20	40.72 3.50 -3.56	36.97 3.36 0.00	36.88 3.32 0.00	38.53 3.57 0.00	42.04 3.53 -0.06	44.09 3.94 0.00	49.46 4.58 0.00	57.93 5.31 0.00	69.74 7.47 0.00	61.58 7.51 0.00	51.51 6.56 0.00	46.41 5.74 0.00	41.74 4.80 -1.12	36.81 3.85 -0.88	36.04 3.13 -4.22
GROVEVILLE___HYD 323602	42.28 2.27 -11.98	36.07 1.86 -10.32	30.32 1.92 -4.07	29.75 1.83 -3.59	28.97 1.81 -2.76	30.94 1.96 -2.85	35.22 2.33 -3.02	37.12 2.75 0.00	36.61 2.99 -1.46	39.47 3.20 -2.62	36.91 3.29 0.00	36.78 3.22 0.00	38.49 3.53 0.00	42.33 3.77 -0.12	44.17 4.02 0.00	49.46 4.58 0.00	57.51 4.89 0.00	68.00 5.73 0.00	58.72 4.65 0.00	48.64 3.69 0.00	44.13 3.46 0.00	39.68 3.12 -0.74	35.52 2.86 -0.59	33.92 2.41 -2.82
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.19 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.35 -0.13 -0.83	33.51 -0.10 0.00	33.77 -0.03 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.75 -0.16 -0.76	45.61 -0.22 -0.96	55.02 -0.21 -2.62	64.50 -0.19 -2.41	53.92 -0.22 -0.07	45.33 -0.22 -0.61	40.72 -0.16 -0.22	35.82 -0.21 -0.22	32.13 -0.10 -0.15	28.86 -0.09 -0.26

HAMLTNNY_34_KV_TB 80303	29.06 -0.08 -1.11	24.73 -0.12 -0.96	24.58 -0.12 -0.38	24.50 -0.17 -0.33	24.51 -0.15 -0.26	26.24 -0.16 -0.26	30.44 -0.15 -0.73	35.14 0.03 -0.74	32.84 -0.10 -0.78	34.86 -0.07 -1.26	34.03 0.00 -0.42	34.22 0.03 -0.63	35.77 0.00 -0.80	39.68 0.08 -1.16	41.49 -0.04 -1.38	46.59 -0.09 -1.80	56.27 -0.05 -3.71	66.21 0.00 -3.94	54.11 -0.11 -0.15	45.55 -0.13 -0.73	40.85 -0.08 -0.26	35.89 -0.18 -0.25	32.19 -0.06 -0.17	28.92 -0.06 -0.29
HAMPSHIRE___PAPER_HYD 323593	26.74 -1.54 -0.26	22.84 -1.27 -0.22	23.12 -1.29 -0.09	23.25 -1.17 -0.08	23.34 -1.12 -0.06	25.05 -1.15 -0.06	28.88 -1.20 -0.21	33.03 -1.41 -0.07	30.75 -1.51 -0.10	32.30 -1.58 -0.22	31.93 -1.68 0.00	31.71 -1.91 -0.07	32.35 -2.13 0.48	36.34 -2.27 -0.17	31.38 -2.37 6.40	30.62 -2.65 11.61	43.52 -3.10 6.00	48.42 -3.55 10.30	44.02 -2.97 7.08	39.72 -2.25 2.98	37.89 -1.91 0.87	34.20 -1.68 -0.06	30.49 -1.63 -0.04	27.37 -1.38 -0.06
HARDSCRABBLE_WT_PWR 323673	29.01 0.98 0.00	24.70 0.81 0.00	25.15 0.83 0.00	25.17 0.83 0.00	25.23 0.83 0.00	27.05 0.91 0.00	30.94 1.07 0.00	35.60 1.24 0.00	33.28 1.13 0.00	34.91 1.25 0.00	34.82 1.21 0.00	34.73 1.17 0.00	36.21 1.19 -0.05	39.75 1.31 0.00	41.39 1.32 0.08	46.21 1.48 0.15	54.26 1.68 0.04	63.96 2.05 0.37	55.67 1.84 0.24	46.37 1.53 0.11	42.02 1.38 0.03	37.04 1.22 0.00	33.17 1.09 0.00	29.64 0.95 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	41.26 2.07 -11.16	35.20 1.70 -9.62	29.89 1.78 -3.79	29.36 1.68 -3.34	28.63 1.66 -2.57	30.59 1.80 -2.65	34.74 2.06 -2.82	36.81 2.44 0.00	35.98 2.48 -1.34	36.29 2.63 -0.01	36.33 2.72 0.00	36.28 2.72 0.00	37.90 2.94 0.00	40.88 3.11 0.67	43.48 3.33 0.00	48.69 3.81 0.00	57.20 4.58 0.00	67.50 5.23 0.00	58.23 4.16 0.00	48.14 3.19 0.00	43.72 3.05 0.00	39.30 2.79 -0.68	35.22 2.60 -0.54	33.48 2.21 -2.58
HARSNRAD_115KV_TB1 81005	28.50 -1.12 -1.59	24.19 -1.07 -1.37	23.77 -1.09 -0.54	23.67 -1.14 -0.48	23.55 -1.22 -0.37	25.21 -1.31 -0.38	28.59 -1.67 -0.40	29.31 -2.75 2.31	27.88 -2.54 1.74	29.00 -2.83 1.83	29.35 -2.29 1.98	30.46 -2.05 1.05	31.39 -2.38 1.19	34.81 -2.31 1.33	35.86 -2.89 1.40	38.55 -3.90 2.42	45.75 -4.79 2.07	50.51 -5.29 6.47	48.22 -3.84 2.01	40.33 -3.06 1.56	37.39 -2.44 0.84	32.90 -2.51 0.42	30.32 -1.83 -0.07	27.85 -1.18 -0.34
HARZA MOOSE___RIVER 24016	28.33 -0.03 -0.33	24.12 -0.05 -0.28	24.41 -0.02 -0.11	24.53 0.10 -0.10	24.63 0.15 -0.08	26.42 0.21 -0.08	30.43 0.36 -0.21	34.91 0.48 -0.06	32.52 0.26 -0.10	34.13 0.27 -0.20	33.78 0.17 0.00	33.55 -0.07 -0.05	34.64 -0.28 0.04	38.31 -0.27 -0.14	38.30 -0.28 1.57	41.61 -0.36 2.91	51.04 -0.42 1.16	59.57 -0.25 2.45	52.15 0.00 1.92	44.26 0.04 0.73	40.58 0.12 0.21	35.95 0.07 -0.05	32.12 0.00 -0.04	28.88 0.11 -0.08
HDSNBRDG_115KV_BRDG_TB1 355580	28.67 -0.28 -0.92	24.39 -0.29 -0.79	24.34 -0.29 -0.31	24.30 -0.32 -0.27	24.30 -0.32 -0.21	26.01 -0.34 -0.22	29.97 -0.36 -0.47	32.86 -0.48 1.02	30.97 -0.51 0.67	32.63 -0.50 0.53	32.15 -0.40 1.05	32.35 -0.37 0.84	33.57 -0.45 0.94	36.98 -0.46 1.00	38.37 -0.56 1.22	42.49 -0.67 1.72	50.47 -0.79 1.36	58.76 -0.87 2.64	52.41 -0.54 1.12	43.90 -0.49 0.56	39.90 -0.41 0.37	35.20 -0.47 0.15	31.85 -0.29 -0.05	28.61 -0.26 -0.18
HELLGATE_13_KV_LD 55870	42.64 2.61 -12.01	36.38 2.15 -10.34	30.61 2.21 -4.08	30.02 2.09 -3.59	29.17 2.00 -2.76	31.16 2.17 -2.85	35.52 2.63 -3.03	37.56 3.20 0.00	37.77 3.28 -2.33	40.96 3.40 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	47.34 4.06 -3.13	49.32 4.44 0.00	57.93 5.31 0.00	68.25 5.98 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.21 3.54 0.00	40.14 3.58 -0.74	36.00 3.34 -0.59	34.39 2.90 -2.80
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	42.64 2.61 -12.01	36.38 2.15 -10.34	30.61 2.21 -4.08	30.02 2.09 -3.59	29.17 2.00 -2.76	31.16 2.17 -2.85	35.52 2.63 -3.03	37.56 3.20 0.00	37.77 3.28 -2.33	40.96 3.40 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	47.34 4.06 -3.13	49.32 4.44 0.00	57.93 5.31 0.00	68.25 5.98 0.00	58.66 4.60 0.01	48.55 3.60 0.00	44.21 3.54 0.00	40.14 3.58 -0.74	36.00 3.34 -0.59	34.39 2.90 -2.80
HEMPSTEAD____ 23647	85.63 2.69 -54.91	71.81 2.24 -45.68	54.71 2.31 -28.07	44.37 2.21 -17.81	43.60 2.20 -17.00	44.70 2.38 -16.18	39.88 2.84 -7.18	44.11 3.33 -6.41	47.71 3.31 -12.24	60.70 3.50 -23.54	65.28 3.60 -28.07	66.52 3.69 -29.27	66.35 3.88 -27.51	66.59 4.12 -24.03	70.15 4.34 -25.66	71.07 4.89 -21.30	73.50 5.89 -14.99	75.28 6.67 -6.34	75.52 5.35 -16.09	70.31 4.13 -21.22	69.06 3.90 -24.49	67.77 3.69 -28.26	64.98 3.37 -29.53	63.82 2.90 -32.23
HEWLETT_69_KV_BK3 55828	85.71 2.78 -54.91	71.88 2.32 -45.68	54.90 2.51 -28.07	44.66 2.51 -17.81	43.84 2.44 -17.00	44.96 2.64 -16.18	40.15 3.08 -7.21	44.38 3.61 -6.41	47.99 3.60 -12.23	60.82 3.64 -23.53	65.41 3.73 -28.07	66.66 3.83 -29.27	66.56 4.09 -27.51	66.82 4.34 -24.03	70.19 4.38 -25.66	71.12 4.94 -21.30	73.60 6.00 -14.99	75.40 6.79 -6.34	75.62 5.46 -16.09	70.44 4.27 -21.22	69.39 4.23 -24.49	67.94 3.90 -28.21	65.23 3.66 -29.49	63.92 3.16 -32.07
HICKLING___1 23621	30.59 -0.14 -2.70	26.00 -0.21 -2.33	25.00 -0.24 -0.92	24.83 -0.32 -0.81	24.71 -0.32 -0.62	26.49 -0.29 -0.64	30.36 -0.33 -0.82	30.05 -1.00 3.33	28.31 -1.19 2.66	29.49 -1.25 2.93	29.80 -1.38 2.43	32.26 -1.21 0.09	33.57 -1.33 0.06	37.26 -1.23 -0.05	38.74 -1.61 -0.20	41.53 -1.97 1.37	51.53 -2.10 -1.02	50.83 -2.24 9.20	51.31 -1.73 1.03	41.98 -1.66 1.31	38.91 -1.38 0.37	34.21 -1.54 0.07	31.19 -1.06 -0.17	28.42 -0.86 -0.59
HICKLING___2 23622	30.59 -0.14 -2.70	26.00 -0.21 -2.33	25.00 -0.24 -0.92	24.83 -0.32 -0.81	24.71 -0.32 -0.62	26.49 -0.29 -0.64	30.36 -0.33 -0.82	30.05 -1.00 3.33	28.31 -1.19 2.66	29.49 -1.25 2.93	29.80 -1.38 2.43	32.26 -1.21 0.09	33.57 -1.33 0.06	37.26 -1.23 -0.05	38.74 -1.61 -0.20	41.53 -1.97 1.37	51.53 -2.10 -1.02	50.83 -2.24 9.20	51.31 -1.73 1.03	41.98 -1.66 1.31	38.91 -1.38 0.37	34.21 -1.54 0.07	31.19 -1.06 -0.17	28.42 -0.86 -0.59
HIGH FALLS___HY 23754	42.02 2.05 -11.94	35.82 1.65 -10.29	30.08 1.70 -4.06	29.52 1.61 -3.58	28.71 1.56 -2.75	30.67 1.70 -2.84	34.94 2.06 -3.01	36.88 2.51 0.00	36.16 2.54 -1.46	38.51 2.73 -2.12	36.44 2.82 0.00	36.38 2.82 0.00	38.00 3.04 0.00	41.67 3.27 0.04	43.64 3.49 0.00	48.87 3.99 0.00	57.41 4.79 0.00	67.75 5.48 0.00	58.45 4.38 0.00	48.32 3.37 0.00	43.72 3.05 0.00	39.36 2.79 -0.74	35.24 2.57 -0.59	33.65 2.15 -2.81
HIGH_RIVER___SOLAR 323847	45.78 1.40 -16.35	39.17 1.19 -14.09	31.02 1.14 -5.55	30.38 1.14 -4.90	29.36 1.20 -3.76	31.30 1.28 -3.88	35.48 1.49 -4.12	36.02 1.65 0.00	35.68 1.51 -2.00	38.50 1.52 -3.33	35.02 1.41 0.00	34.97 1.41 0.00	36.47 1.50 0.00	39.98 1.46 -0.08	41.80 1.65 0.00	46.81 1.93 0.00	54.88 2.26 0.00	65.20 2.93 0.00	56.82 2.76 0.00	47.38 2.43 0.00	42.90 2.24 0.00	38.78 1.93 -1.03	34.56 1.67 -0.81	33.97 1.41 -3.88

HILLBURN___GT 23639	41.44 2.05 -11.36	35.37 1.70 -9.79	29.96 1.77 -3.86	29.44 1.70 -3.40	28.68 1.66 -2.62	30.64 1.80 -2.70	34.77 2.09 -2.82	36.81 2.44 0.00	36.04 2.51 -1.37	36.03 2.66 0.29	36.37 2.76 0.00	36.38 2.82 0.00	37.93 2.97 0.00	40.77 3.11 0.78	43.48 3.33 0.00	48.69 3.81 0.00	57.19 4.58 0.00	67.44 5.17 0.00	58.07 4.00 0.00	47.96 3.01 0.00	43.64 2.97 0.00	39.36 2.80 -0.74	35.33 2.66 -0.59	33.77 2.27 -2.81
HILLSIDE_115KV_TB1 80332	30.26 -0.56 -2.79	25.74 -0.55 -2.41	24.71 -0.56 -0.95	24.56 -0.61 -0.84	24.41 -0.63 -0.64	26.17 -0.63 -0.66	29.97 -0.75 -0.85	29.78 -1.55 3.04	28.13 -1.64 2.39	29.31 -1.75 2.60	29.46 -1.88 2.27	31.80 -1.71 0.05	33.10 -1.85 0.01	36.76 -1.81 -0.12	38.22 -2.21 -0.28	41.09 -2.60 1.18	50.94 -2.84 -1.16	50.81 -3.18 8.28	50.49 -2.60 0.98	41.32 -2.43 1.20	38.20 -2.11 0.35	33.62 -2.15 0.05	30.62 -1.64 -0.18	27.93 -1.38 -0.61
HISHELDN_WT_PWR 323625	29.03 -0.90 -1.90	24.64 -0.88 -1.64	24.07 -0.90 -0.65	23.93 -0.97 -0.57	23.82 -1.02 -0.44	25.51 -1.07 -0.45	29.00 -1.34 -0.48	29.78 -2.13 2.45	28.20 -2.06 1.90	29.43 -2.22 2.01	29.57 -2.02 2.03	30.78 -1.98 0.80	32.00 -2.06 0.90	35.48 -2.00 0.96	36.59 -2.57 0.99	39.31 -3.45 2.11	47.21 -4.10 1.30	50.79 -4.54 6.94	49.18 -3.08 1.81	40.87 -2.52 1.56	37.72 -2.20 0.75	33.25 -2.22 0.35	30.56 -1.60 -0.08	27.89 -1.18 -0.38
HOLTSVILLE_IC_1 23690	86.16 3.22 -54.91	72.21 2.65 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.29 3.89 -12.24	61.34 4.14 -23.54	65.96 4.27 -28.08	67.10 4.19 -29.35	73.07 4.41 -33.70	105.70 4.73 -62.53	110.03 4.98 -64.90	117.37 5.43 -67.06	139.21 6.47 -80.12	156.33 7.41 -86.65	160.00 6.00 -99.93	126.61 4.81 -76.85	110.32 4.59 -65.06	88.94 4.26 -48.86	65.59 3.98 -29.53	64.39 3.47 -32.23
HOLTSVILLE_IC_10 23699	86.36 3.42 -54.91	72.38 2.82 -45.68	55.22 2.82 -28.07	44.85 2.70 -17.81	43.99 2.59 -17.00	45.15 2.82 -16.18	40.39 3.34 -7.18	44.83 4.05 -6.41	48.51 4.12 -12.24	61.57 4.37 -23.54	66.23 4.54 -28.08	67.41 4.50 -29.35	73.87 4.72 -34.19	104.06 5.07 -60.55	113.47 5.34 -67.98	121.41 5.88 -70.65	144.80 6.95 -85.24	163.20 7.97 -92.95	167.12 6.54 -106.51	131.37 5.21 -81.21	113.87 4.96 -68.24	90.88 4.59 -50.47	65.81 4.20 -29.53	64.60 3.67 -32.23
HOLTSVILLE_IC_2 23691	86.16 3.22 -54.91	72.21 2.65 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.29 3.89 -12.24	61.34 4.14 -23.54	65.96 4.27 -28.08	67.10 4.19 -29.35	73.07 4.41 -33.70	105.70 4.73 -62.53	110.03 4.98 -64.90	117.37 5.43 -67.06	139.21 6.47 -80.12	156.33 7.41 -86.65	160.00 6.00 -99.93	126.61 4.81 -76.85	110.32 4.59 -65.06	88.94 4.26 -48.86	65.59 3.98 -29.53	64.39 3.47 -32.23
HOLTSVILLE_IC_3 23692	86.16 3.22 -54.91	72.21 2.65 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.29 3.89 -12.24	61.34 4.14 -23.54	65.96 4.27 -28.08	67.10 4.19 -29.35	73.07 4.41 -33.70	105.70 4.73 -62.53	110.03 4.98 -64.90	117.37 5.43 -67.06	139.21 6.47 -80.12	156.33 7.41 -86.65	160.00 6.00 -99.93	126.61 4.81 -76.85	110.32 4.59 -65.06	88.94 4.26 -48.86	65.59 3.98 -29.53	64.39 3.47 -32.23
HOLTSVILLE_IC_4 23693	86.16 3.22 -54.91	72.21 2.65 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.29 3.89 -12.24	61.34 4.14 -23.54	65.96 4.27 -28.08	67.10 4.19 -29.35	73.07 4.41 -33.70	105.70 4.73 -62.53	110.03 4.98 -64.90	117.37 5.43 -67.06	139.21 6.47 -80.12	156.33 7.41 -86.65	160.00 6.00 -99.93	126.61 4.81 -76.85	110.32 4.59 -65.06	88.94 4.26 -48.86	65.59 3.98 -29.53	64.39 3.47 -32.23
HOLTSVILLE_IC_5 23694	86.16 3.22 -54.91	72.21 2.65 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.29 3.89 -12.24	61.34 4.14 -23.54	65.96 4.27 -28.08	67.10 4.19 -29.35	73.07 4.41 -33.70	105.70 4.73 -62.53	110.03 4.98 -64.90	117.37 5.43 -67.06	139.21 6.47 -80.12	156.33 7.41 -86.65	160.00 6.00 -99.93	126.61 4.81 -76.85	110.32 4.59 -65.06	88.94 4.26 -48.86	65.59 3.98 -29.53	64.39 3.47 -32.23
HOLTSVILLE_IC_6 23695	86.36 3.42 -54.91	72.38 2.82 -45.68	55.22 2.82 -28.07	44.85 2.70 -17.81	43.99 2.59 -17.00	45.15 2.82 -16.18	40.39 3.34 -7.18	44.83 4.05 -6.41	48.51 4.12 -12.24	61.57 4.37 -23.54	66.23 4.54 -28.08	67.41 4.50 -29.35	73.87 4.72 -34.19	104.06 5.07 -60.55	113.47 5.34 -67.98	121.41 5.88 -70.65	144.80 6.95 -85.24	163.20 7.97 -92.95	167.12 6.54 -106.51	131.37 5.21 -81.21	113.87 4.96 -68.24	90.88 4.59 -50.47	65.81 4.20 -29.53	64.60 3.67 -32.23
HOLTSVILLE_IC_7 23696	86.36 3.42 -54.91	72.38 2.82 -45.68	55.22 2.82 -28.07	44.85 2.70 -17.81	43.99 2.59 -17.00	45.15 2.82 -16.18	40.39 3.34 -7.18	44.83 4.05 -6.41	48.51 4.12 -12.24	61.57 4.37 -23.54	66.23 4.54 -28.08	67.41 4.50 -29.35	73.87 4.72 -34.19	104.06 5.07 -60.55	113.47 5.34 -67.98	121.41 5.88 -70.65	144.80 6.95 -85.24	163.20 7.97 -92.95	167.12 6.54 -106.51	131.37 5.21 -81.21	113.87 4.96 -68.24	90.88 4.59 -50.47	65.81 4.20 -29.53	64.60 3.67 -32.23
HOLTSVILLE_IC_8 23697	86.36 3.42 -54.91	72.38 2.82 -45.68	55.22 2.82 -28.07	44.85 2.70 -17.81	43.99 2.59 -17.00	45.15 2.82 -16.18	40.39 3.34 -7.18	44.83 4.05 -6.41	48.51 4.12 -12.24	61.57 4.37 -23.54	66.23 4.54 -28.08	67.41 4.50 -29.35	73.87 4.72 -34.19	104.06 5.07 -60.55	113.47 5.34 -67.98	121.41 5.88 -70.65	144.80 6.95 -85.24	163.20 7.97 -92.95	167.12 6.54 -106.51	131.37 5.21 -81.21	113.87 4.96 -68.24	90.88 4.59 -50.47	65.81 4.20 -29.53	64.60 3.67 -32.23
HOLTSVILLE_IC_9 23698	86.36 3.42 -54.91	72.38 2.82 -45.68	55.22 2.82 -28.07	44.85 2.70 -17.81	43.99 2.59 -17.00	45.15 2.82 -16.18	40.39 3.34 -7.18	44.83 4.05 -6.41	48.51 4.12 -12.24	61.57 4.37 -23.54	66.23 4.54 -28.08	67.41 4.50 -29.35	73.87 4.72 -34.19	104.06 5.07 -60.55	113.47 5.34 -67.98	121.41 5.88 -70.65	144.80 6.95 -85.24	163.20 7.97 -92.95	167.12 6.54 -106.51	131.37 5.21 -81.21	113.87 4.96 -68.24	90.88 4.59 -50.47	65.81 4.20 -29.53	64.60 3.67 -32.23
HOMER_HL_115KV_TB2 355744	28.46 -1.57 -2.00	24.16 -1.46 -1.73	23.52 -1.48 -0.68	23.40 -1.53 -0.60	23.28 -1.59 -0.46	24.94 -1.67 -0.48	28.40 -1.97 -0.51	30.41 -1.51 2.44	28.60 -1.70 1.85	29.93 -1.78 1.95	29.03 -2.55 2.03	30.44 -2.38 0.73	31.56 -2.59 0.82	35.08 -2.50 0.86	36.32 -2.97 0.86	39.31 -3.59 1.97	47.44 -4.16 1.02	50.78 -4.79 6.69	48.59 -3.78 1.69	40.16 -3.37 1.42	37.05 -2.93 0.69	32.58 -2.94 0.30	29.91 -2.28 -0.11	27.22 -1.89 -0.43
HOWARD_WT_PWR 323690	29.96 -0.31 -2.24	25.43 -0.38 -1.93	24.65 -0.44 -0.76	24.40 -0.61 -0.67	24.26 -0.66 -0.51	26.09 -0.58 -0.53	30.00 -0.54 -0.67	29.71 -1.03 3.63	28.02 -1.16 2.99	29.11 -1.21 3.34	29.80 -1.24 2.57	31.93 -1.24 0.39	33.26 -1.29 0.41	36.85 -1.23 0.36	38.12 -1.73 0.31	40.65 -2.29 1.94	50.12 -2.52 -0.03	49.05 -2.74 10.48	51.00 -1.68 1.39	41.77 -1.48 1.70	38.84 -1.26 0.56	34.13 -1.47 0.22	31.29 -0.90 -0.11	28.43 -0.72 -0.45

HQ_GEN_CEDARS 23644	26.91 -1.12 0.00	23.03 -0.86 0.00	23.45 -0.88 0.00	23.51 -0.83 0.00	23.60 -0.81 0.00	25.27 -0.86 0.00	28.91 -0.96 0.00	33.10 -1.27 0.00	30.91 -1.25 0.00	32.35 -1.31 0.00	32.23 -1.38 0.00	32.08 -1.48 0.00	32.44 -1.50 1.02	36.90 -1.54 0.00	25.22 -1.57 13.37	19.05 -1.80 24.03	37.03 -2.10 13.48	37.13 -2.55 22.59	37.09 -2.32 14.65	36.79 -1.62 6.55	37.32 -1.42 1.93	34.64 -1.18 0.00	30.89 -1.19 0.00	27.66 -1.03 0.00
HQ_GEN_CEDARS_PROXY 323590	26.91 -1.12 0.00	23.03 -0.86 0.00	23.45 -0.87 0.00	23.51 -0.83 0.00	23.60 -0.80 0.00	25.27 -0.86 0.00	28.91 -0.96 0.00	33.10 -1.27 0.00	30.91 -1.25 0.00	32.35 -1.31 0.00	32.23 -1.38 0.00	32.12 -1.44 0.00	32.44 -1.50 1.02	36.90 -1.54 0.00	25.22 -1.57 13.37	19.05 -1.80 24.03	37.03 -2.11 13.48	37.03 -2.56 22.69	37.03 -2.32 14.72	37.03 -1.66 6.26	37.03 -1.42 2.21	34.64 -1.18 0.00	30.89 -1.19 0.00	27.66 -1.03 0.00
HQ_GEN_IMPORT 323601	27.47 -0.56 0.00	23.43 -0.45 0.00	23.86 -0.46 0.00	23.90 -0.44 0.00	23.97 -0.44 0.00	25.67 -0.47 0.00	29.33 -0.54 0.00	33.65 -0.72 0.00	31.48 -0.68 0.00	32.95 -0.71 0.00	32.87 -0.74 0.00	32.79 -0.77 0.00	33.91 -0.80 0.25	23.00 -0.77 14.67	23.00 -0.80 16.35	23.00 -0.90 20.98	23.00 -1.05 28.57	23.00 -1.24 38.03	23.00 -1.08 29.99	23.00 -0.81 21.14	23.00 -0.69 16.98	23.00 -0.61 12.21	31.44 -0.64 0.00	28.14 -0.55 0.00
HQ_GEN_WHEEL 23651	27.47 -0.56 0.00	23.43 -0.45 0.00	23.86 -0.46 0.00	23.90 -0.44 0.00	23.97 -0.44 0.00	25.67 -0.47 0.00	29.33 -0.54 0.00	33.65 -0.72 0.00	31.48 -0.68 0.00	32.95 -0.71 0.00	32.87 -0.74 0.00	32.79 -0.77 0.00	33.91 -0.80 0.25	23.00 -0.77 14.67	23.00 -0.80 16.35	23.00 -0.90 20.98	23.00 -1.05 28.57	23.00 -1.24 38.03	23.00 -1.08 29.99	23.00 -0.81 21.14	23.00 -0.69 16.98	23.00 -0.61 12.21	31.44 -0.64 0.00	28.14 -0.55 0.00
HUDSON AVE_GT_3 23810	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.18 2.20 -2.85	35.55 2.66 -3.03	37.56 3.20 0.00	36.86 3.25 -1.45	41.00 3.43 -3.90	40.97 3.53 -3.83	41.22 3.56 -4.10	42.53 3.81 -3.76	45.60 4.04 -3.13	47.45 4.26 -3.04	49.59 4.71 0.00	58.25 5.63 0.00	68.62 6.35 0.00	59.10 5.03 0.00	48.86 3.91 0.00	44.37 3.70 0.00	40.07 3.51 -0.74	35.97 3.30 -0.59	34.33 2.84 -2.80
HUDSON AVE_GT_4 23540	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.18 2.20 -2.85	35.55 2.66 -3.03	37.56 3.20 0.00	36.86 3.25 -1.45	41.00 3.43 -3.90	40.97 3.53 -3.83	41.22 3.56 -4.10	42.53 3.81 -3.76	45.60 4.04 -3.13	47.45 4.26 -3.04	49.59 4.71 0.00	58.25 5.63 0.00	68.62 6.35 0.00	59.10 5.03 0.00	48.86 3.91 0.00	44.37 3.70 0.00	40.07 3.51 -0.74	35.97 3.30 -0.59	34.33 2.84 -2.80
HUDSON AVE_GT_5 23657	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.18 2.20 -2.85	35.55 2.66 -3.03	37.56 3.20 0.00	36.86 3.25 -1.45	41.00 3.43 -3.90	40.97 3.53 -3.83	41.22 3.56 -4.10	42.53 3.81 -3.76	45.60 4.04 -3.13	47.45 4.26 -3.04	49.59 4.71 0.00	58.25 5.63 0.00	68.62 6.35 0.00	59.10 5.03 0.00	48.86 3.91 0.00	44.37 3.70 0.00	40.07 3.51 -0.74	35.97 3.30 -0.59	34.33 2.84 -2.80
HUDSON_AVE_10 24168	42.50 2.47 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.93 2.00 -3.59	29.09 1.93 -2.76	31.10 2.12 -2.85	35.46 2.57 -3.03	37.50 3.13 0.00	36.77 3.15 -1.45	40.89 3.33 -3.90	40.94 3.50 -3.83	41.18 3.52 -4.10	42.43 3.71 -3.76	45.49 3.92 -3.13	47.37 4.18 -3.04	49.50 4.62 0.00	58.14 5.52 0.00	68.50 6.23 0.00	58.93 4.87 0.00	48.77 3.82 0.00	44.29 3.62 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.25 2.75 -2.80
HUDSON___115KV_TB 4 355613	44.19 1.37 -14.78	37.80 1.17 -12.74	30.51 1.17 -5.02	29.93 1.17 -4.43	29.03 1.22 -3.40	30.93 1.28 -3.51	35.06 1.46 -3.73	35.88 1.51 0.00	35.25 1.29 -1.81	38.06 1.38 -3.02	34.89 1.28 0.00	34.80 1.24 0.00	36.33 1.36 0.00	39.94 1.42 -0.08	41.72 1.57 0.00	46.63 1.75 0.00	54.72 2.10 0.00	65.07 2.80 0.00	56.72 2.65 0.00	47.29 2.34 0.00	42.91 2.24 0.00	38.42 1.68 -0.92	34.22 1.41 -0.73	33.48 1.32 -3.47
HUNTER MOUNT___DRP 323613	43.66 1.32 -14.31	37.34 1.12 -12.33	30.30 1.12 -4.86	29.74 1.12 -4.29	28.89 1.20 -3.29	30.79 1.25 -3.40	34.91 1.43 -3.61	35.91 1.55 0.00	35.13 1.22 -1.75	37.95 1.41 -2.88	34.89 1.28 0.00	34.73 1.17 0.00	36.29 1.33 0.00	39.96 1.46 -0.06	41.72 1.57 0.00	46.67 1.80 0.00	54.72 2.10 0.00	65.20 2.93 0.00	56.99 2.92 0.00	47.60 2.65 0.00	43.11 2.44 0.00	38.39 1.68 -0.89	34.13 1.35 -0.70	33.26 1.20 -3.36
HUNTINGTON_RES_REC 323705	85.94 3.00 -54.91	72.05 2.48 -45.68	54.88 2.48 -28.07	44.54 2.39 -17.81	43.67 2.27 -17.00	44.81 2.48 -16.18	40.00 2.96 -7.18	44.35 3.57 -6.41	48.03 3.63 -12.24	61.10 3.90 -23.54	65.65 3.93 -28.11	67.14 4.13 -29.46	82.52 4.37 -43.19	124.44 4.61 -81.39	170.04 4.86 -125.04	187.55 5.47 -137.20	239.02 6.42 -179.98	279.33 7.28 -209.77	288.41 5.89 -228.45	211.86 4.81 -162.09	172.41 4.51 -127.22	120.37 4.12 -80.43	65.26 3.66 -29.53	64.08 3.16 -32.23
HUNTLEY___63 23557	28.65 -1.04 -1.66	24.31 -1.00 -1.43	23.89 -1.00 -0.56	23.79 -1.05 -0.50	23.66 -1.12 -0.38	25.30 -1.23 -0.39	28.67 -1.61 -0.42	29.45 -2.58 2.34	28.02 -2.38 1.76	29.14 -2.66 1.86	29.47 -2.15 1.99	30.63 -1.91 1.02	31.57 -2.24 1.16	35.04 -2.11 1.28	36.07 -2.73 1.36	38.80 -3.68 2.40	46.01 -4.58 2.03	51.02 -4.67 6.58	48.46 -3.62 1.98	40.46 -2.92 1.57	37.52 -2.32 0.83	33.01 -2.40 0.41	30.42 -1.73 -0.07	27.90 -1.15 -0.35
HUNTLEY___64 23558	28.65 -1.04 -1.66	24.31 -1.00 -1.43	23.89 -1.00 -0.56	23.79 -1.05 -0.50	23.66 -1.12 -0.38	25.30 -1.23 -0.39	28.67 -1.61 -0.42	29.45 -2.58 2.34	28.02 -2.38 1.76	29.14 -2.66 1.86	29.47 -2.15 1.99	30.63 -1.91 1.02	31.57 -2.24 1.16	35.04 -2.11 1.28	36.07 -2.73 1.36	38.80 -3.68 2.40	46.01 -4.58 2.03	51.02 -4.67 6.58	48.46 -3.62 1.98	40.46 -2.92 1.57	37.52 -2.32 0.83	33.01 -2.40 0.41	30.42 -1.73 -0.07	27.90 -1.15 -0.35
HUNTLEY___65 23559	28.65 -1.04 -1.66	24.31 -1.00 -1.43	23.89 -1.00 -0.56	23.79 -1.05 -0.50	23.66 -1.12 -0.38	25.30 -1.23 -0.39	28.67 -1.61 -0.42	29.45 -2.58 2.34	28.02 -2.38 1.76	29.14 -2.66 1.86	29.47 -2.15 1.99	30.63 -1.91 1.02	31.57 -2.24 1.16	35.04 -2.11 1.28	36.07 -2.73 1.36	38.80 -3.68 2.40	46.01 -4.58 2.03	51.02 -4.67 6.58	48.46 -3.62 1.98	40.46 -2.92 1.57	37.52 -2.32 0.83	33.01 -2.40 0.41	30.42 -1.73 -0.07	27.90 -1.15 -0.35
HUNTLEY___66 23560	28.65 -1.04 -1.66	24.31 -1.00 -1.43	23.89 -1.00 -0.56	23.79 -1.05 -0.50	23.66 -1.12 -0.38	25.30 -1.23 -0.39	28.67 -1.61 -0.42	29.45 -2.58 2.34	28.02 -2.38 1.76	29.14 -2.66 1.86	29.47 -2.15 1.99	30.63 -1.91 1.02	31.57 -2.24 1.16	35.04 -2.11 1.28	36.07 -2.73 1.36	38.80 -3.68 2.40	46.01 -4.58 2.03	51.02 -4.67 6.58	48.46 -3.62 1.98	40.46 -2.92 1.57	37.52 -2.32 0.83	33.01 -2.40 0.41	30.42 -1.73 -0.07	27.90 -1.15 -0.35



HUNTLEY___67 23561	28.55 -1.18 -1.69	24.23 -1.12 -1.46	23.76 -1.14 -0.58	23.65 -1.19 -0.51	23.53 -1.27 -0.39	25.18 -1.36 -0.40	28.56 -1.73 -0.43	29.33 -2.68 2.36	27.87 -2.51 1.78	29.02 -2.76 1.88	29.26 -2.35 2.00	30.48 -2.08 1.00	31.41 -2.41 1.14	34.83 -2.34 1.26	35.89 -2.93 1.33	38.58 -3.90 2.40	45.87 -4.74 2.01	50.32 -5.29 6.66	48.21 -3.89 1.97	40.24 -3.15 1.57	37.29 -2.56 0.82	32.84 -2.58 0.40	30.26 -1.89 -0.08	27.76 -1.29 -0.36
HUNTLEY___68 23562	28.55 -1.18 -1.69	24.23 -1.12 -1.46	23.76 -1.14 -0.58	23.65 -1.19 -0.51	23.53 -1.27 -0.39	25.18 -1.36 -0.40	28.56 -1.73 -0.43	29.33 -2.68 2.36	27.87 -2.51 1.78	29.02 -2.76 1.88	29.26 -2.35 2.00	30.48 -2.08 1.00	31.41 -2.41 1.14	34.83 -2.34 1.26	35.89 -2.93 1.33	38.58 -3.90 2.40	45.87 -4.74 2.01	50.32 -5.29 6.66	48.21 -3.89 1.97	40.24 -3.15 1.57	37.29 -2.56 0.82	32.84 -2.58 0.40	30.26 -1.89 -0.08	27.76 -1.29 -0.36
HYLAND___LFG 323620	30.50 0.65 -1.82	25.81 0.36 -1.57	25.33 0.39 -0.62	25.15 0.27 -0.54	25.12 0.29 -0.42	26.96 0.39 -0.43	30.74 0.42 -0.46	31.39 -0.38 2.60	29.15 -0.96 2.04	30.16 -1.31 2.19	30.39 -1.14 2.08	31.55 -1.24 0.77	32.81 -1.29 0.86	35.11 -2.42 0.91	36.40 -2.81 0.94	39.77 -3.01 2.10	48.18 -3.31 1.13	51.61 -3.30 7.36	50.41 -1.89 1.76	42.42 -0.95 1.59	39.40 -0.53 0.74	34.54 -0.93 0.35	32.54 0.39 -0.08	29.55 0.49 -0.37
INDECK___CORINTH 23802	45.23 1.40 -15.80	38.72 1.22 -13.61	30.79 1.10 -5.37	30.16 1.10 -4.73	29.21 1.17 -3.64	31.17 1.28 -3.75	35.43 1.58 -3.98	36.15 1.79 0.00	35.77 1.67 -1.94	38.59 1.68 -3.25	34.86 1.24 0.00	34.83 1.27 0.00	36.36 1.40 0.00	39.57 1.04 -0.09	41.40 1.25 0.00	46.40 1.53 0.00	54.41 1.79 0.00	64.70 2.43 0.00	56.82 2.76 0.00	47.42 2.47 0.00	43.23 2.56 0.00	38.96 2.15 -0.99	34.60 1.73 -0.79	33.80 1.35 -3.76
INDECK___ILION 23567	28.70 0.67 0.00	24.44 0.55 0.00	24.88 0.56 0.00	24.87 0.54 0.00	24.97 0.56 0.00	26.74 0.60 0.00	30.58 0.72 0.00	35.23 0.86 0.00	32.93 0.77 0.00	34.50 0.84 0.00	34.42 0.81 0.00	34.36 0.81 0.00	35.82 0.80 -0.05	39.29 0.85 0.00	40.95 0.88 0.08	45.72 0.99 0.15	53.73 1.16 0.04	63.28 1.37 0.37	55.07 1.24 0.24	45.88 1.03 0.11	41.57 0.94 0.03	36.64 0.82 0.00	32.82 0.74 0.00	29.35 0.66 0.00
INDECK___OLEAN 23982	28.46 -1.57 -2.00	24.16 -1.46 -1.73	23.52 -1.48 -0.68	23.40 -1.53 -0.60	23.28 -1.59 -0.46	24.94 -1.67 -0.48	28.40 -1.97 -0.51	30.10 -1.82 2.44	28.31 -1.96 1.89	29.81 -1.85 2.00	29.02 -2.59 2.01	30.34 -2.48 0.73	31.59 -2.55 0.82	35.08 -2.50 0.86	36.30 -2.97 0.89	39.19 -3.68 2.01	47.41 -4.10 1.10	50.46 -4.92 6.89	48.53 -3.79 1.75	40.08 -3.33 1.55	36.93 -3.01 0.73	32.58 -2.90 0.34	29.89 -2.28 -0.08	27.14 -1.95 -0.40
INDECK___OSWEGO 23783	28.14 -0.67 -0.79	23.97 -0.60 -0.68	23.96 -0.63 -0.27	23.94 -0.63 -0.24	23.95 -0.63 -0.18	25.64 -0.68 -0.19	30.35 -0.75 -1.24	36.06 -0.72 -2.41	33.49 -0.77 -2.10	35.74 -0.81 -2.89	34.67 -0.74 -1.80	34.84 -0.74 -2.02	36.59 -0.80 -2.43	40.51 -1.15 -3.22	42.44 -1.29 -3.58	48.05 -1.48 -4.65	59.17 -1.74 -8.29	70.05 -2.00 -9.77	55.13 -1.73 -2.79	46.42 -1.44 -2.90	40.99 -1.22 -1.53	35.94 -0.89 -1.01	31.58 -0.74 -0.23	28.21 -0.66 -0.18
INDECK___YERKES 23781	28.68 -1.01 -1.66	24.34 -0.98 -1.43	23.91 -0.97 -0.56	23.81 -1.02 -0.50	23.69 -1.10 -0.38	25.33 -1.20 -0.39	28.70 -1.58 -0.42	29.49 -2.54 2.34	28.02 -2.35 1.79	29.13 -2.63 1.90	29.48 -2.15 1.98	30.46 -2.08 1.02	31.67 -2.13 1.16	35.12 -2.04 1.28	36.14 -2.65 1.36	38.71 -3.77 2.40	45.96 -4.63 2.03	50.50 -5.11 6.67	48.73 -3.35 1.98	40.73 -2.65 1.56	37.53 -2.32 0.83	33.08 -2.33 0.41	30.45 -1.70 -0.07	27.85 -1.18 -0.34
INDIAN POINT_GT_1 24139	42.09 2.19 -11.87	35.91 1.79 -10.23	30.23 1.87 -4.03	29.67 1.78 -3.55	28.87 1.73 -2.73	30.84 1.88 -2.82	35.07 2.21 -3.00	37.05 2.68 0.00	36.26 2.67 -1.43	40.61 2.83 -4.13	36.50 2.89 0.00	36.48 2.92 0.00	38.11 3.15 0.00	42.37 3.31 -0.63	43.60 3.45 0.00	48.83 3.95 0.00	57.30 4.68 0.00	67.63 5.36 0.00	58.29 4.22 0.00	48.23 3.28 0.00	43.80 3.13 0.00	39.53 2.97 -0.73	35.42 2.76 -0.58	33.84 2.38 -2.76
INDIAN POINT_GT_2 23659	42.09 2.19 -11.87	35.91 1.79 -10.23	30.23 1.87 -4.03	29.67 1.78 -3.55	28.87 1.73 -2.73	30.84 1.88 -2.82	35.07 2.21 -3.00	37.05 2.68 0.00	36.26 2.67 -1.43	40.61 2.83 -4.13	36.50 2.89 0.00	36.48 2.92 0.00	38.11 3.15 0.00	42.37 3.31 -0.63	43.60 3.45 0.00	48.83 3.95 0.00	57.30 4.68 0.00	67.63 5.36 0.00	58.29 4.22 0.00	48.23 3.28 0.00	43.80 3.13 0.00	39.53 2.97 -0.73	35.42 2.76 -0.58	33.84 2.38 -2.76
INDIAN POINT_GT_3 24019	42.09 2.19 -11.87	35.91 1.79 -10.23	30.23 1.87 -4.03	29.67 1.78 -3.55	28.87 1.73 -2.73	30.84 1.88 -2.82	35.07 2.21 -3.00	37.05 2.68 0.00	36.26 2.67 -1.43	40.61 2.83 -4.13	36.50 2.89 0.00	36.48 2.92 0.00	38.11 3.15 0.00	42.37 3.31 -0.63	43.60 3.45 0.00	48.83 3.95 0.00	57.30 4.68 0.00	67.63 5.36 0.00	58.29 4.22 0.00	48.23 3.28 0.00	43.80 3.13 0.00	39.53 2.97 -0.73	35.42 2.76 -0.58	33.84 2.38 -2.76
INDIAN POINT___2 23530	41.80 2.07 -11.69	35.68 1.72 -10.07	30.10 1.80 -3.97	29.57 1.73 -3.50	28.78 1.68 -2.69	30.72 1.80 -2.78	34.93 2.15 -2.91	36.88 2.51 0.00	36.15 2.57 -1.42	39.99 2.73 -3.60	36.40 2.79 0.00	36.41 2.85 0.00	37.97 3.01 0.00	42.06 3.15 -0.47	43.48 3.33 0.00	48.69 3.81 0.00	57.19 4.58 0.00	67.44 5.17 0.00	58.07 4.00 0.00	48.01 3.06 0.00	43.68 3.01 0.00	39.41 2.83 -0.76	35.38 2.70 -0.60	33.88 2.30 -2.89
INDIAN POINT___3 23531	42.01 2.10 -11.88	35.87 1.74 -10.23	30.16 1.80 -4.03	29.62 1.73 -3.56	28.82 1.68 -2.73	30.79 1.83 -2.82	35.01 2.15 -3.00	36.95 2.58 0.00	36.17 2.57 -1.44	41.15 2.73 -4.77	36.40 2.79 0.00	36.38 2.82 0.00	37.97 3.01 0.00	42.43 3.15 -0.84	43.48 3.33 0.00	48.65 3.77 0.00	57.14 4.53 0.00	67.38 5.11 0.00	58.07 4.00 0.00	48.05 3.10 0.00	43.68 3.01 0.00	39.38 2.83 -0.73	35.32 2.66 -0.58	33.78 2.32 -2.77
INGHAM_C_115KV_TB7 356103	29.15 1.12 0.00	24.82 0.93 0.00	25.25 0.92 0.00	25.26 0.92 0.00	25.36 0.95 0.00	27.16 1.02 0.00	31.06 1.19 0.00	35.74 1.37 0.00	33.41 1.25 0.00	35.01 1.35 0.00	34.92 1.31 0.00	34.87 1.31 0.00	36.31 1.29 -0.05	39.86 1.42 0.00	41.56 1.49 0.08	46.39 1.66 0.15	54.47 1.89 0.04	64.21 2.30 0.37	55.89 2.05 0.24	46.55 1.71 0.11	42.18 1.55 0.03	37.18 1.36 0.00	33.30 1.22 0.00	29.78 1.09 0.00
IP CORINTH___1 23988	45.37 1.54 -15.80	38.86 1.36 -13.61	30.93 1.24 -5.37	30.28 1.22 -4.73	29.36 1.32 -3.64	31.30 1.41 -3.75	35.58 1.73 -3.99	36.33 1.96 0.00	35.95 1.87 -1.93	38.75 1.85 -3.24	35.02 1.41 0.00	35.00 1.44 0.00	36.57 1.61 0.00	39.80 1.27 -0.09	41.60 1.45 0.00	46.63 1.75 0.00	54.67 2.05 0.00	65.07 2.80 0.00	57.10 3.03 0.00	47.69 2.74 0.00	43.44 2.77 0.00	39.13 2.33 -0.98	34.75 1.89 -0.78	33.92 1.52 -3.71

IP__TICONDEROGA 23804	46.56 2.75 -15.78	39.90 2.41 -13.60	31.87 2.19 -5.36	31.25 2.19 -4.72	30.40 2.37 -3.63	32.47 2.59 -3.75	36.98 3.14 -3.98	37.87 3.51 0.00	37.40 3.31 -1.93	40.16 3.26 -3.24	36.40 2.79 0.00	36.38 2.82 0.00	38.04 3.08 0.00	41.34 2.81 -0.09	43.20 3.05 0.00	48.47 3.59 0.00	56.88 4.26 0.00	67.94 5.67 0.00	59.64 5.57 0.00	49.99 5.03 0.00	45.47 4.80 0.00	40.92 4.12 -0.98	36.16 3.30 -0.77	35.03 2.64 -3.70
ISLIP_RES_REC 323679	86.53 3.59 -54.91	72.55 2.99 -45.68	55.36 2.97 -28.07	45.00 2.85 -17.81	44.13 2.73 -17.00	45.27 2.95 -16.18	40.57 3.52 -7.18	45.04 4.26 -6.41	48.74 4.34 -12.24	61.84 4.65 -23.54	66.50 4.81 -28.08	67.71 4.80 -29.35	73.59 5.04 -33.59	101.32 5.42 -57.46	110.05 5.70 -64.20	117.40 6.28 -66.24	139.00 7.42 -78.96	156.02 8.53 -85.22	159.53 7.03 -98.43	126.38 5.57 -75.85	110.28 5.28 -64.33	89.18 4.87 -48.49	66.04 4.43 -29.53	64.77 3.85 -32.23
JAMAICA__27_KV_LOAD 355505	42.72 2.69 -12.00	36.43 2.20 -10.34	30.69 2.29 -4.08	30.07 2.14 -3.59	29.24 2.07 -2.76	31.29 2.30 -2.85	35.64 2.75 -3.03	37.74 3.37 0.00	37.02 3.41 -1.45	41.16 3.60 -3.90	41.48 3.93 -3.94	41.73 3.96 -4.21	42.71 3.99 -3.76	45.83 4.27 -3.13	48.01 4.74 -3.12	49.90 5.03 0.00	58.67 6.05 0.00	69.12 6.85 0.00	59.48 5.41 0.00	49.22 4.27 0.00	44.74 4.07 0.00	40.36 3.80 -0.74	36.10 3.43 -0.59	34.45 2.96 -2.80
JANIS__SOLAR 323808	32.01 1.29 -2.69	27.21 1.00 -2.32	26.23 1.00 -0.91	26.09 0.95 -0.80	26.02 1.00 -0.62	27.92 1.15 -0.64	32.27 1.49 -0.91	41.10 1.96 -4.77	38.21 1.38 -4.67	41.04 1.45 -5.94	37.36 1.21 -2.54	35.44 1.14 -0.74	36.93 1.05 -0.92	40.94 1.27 -1.24	42.59 1.00 -1.43	49.38 1.12 -3.38	57.36 1.42 -3.32	79.99 2.24 -15.48	55.93 2.22 0.36	48.05 1.93 -1.16	42.44 1.87 0.10	37.41 1.47 -0.12	33.61 1.35 -0.18	30.53 1.15 -0.69
JARVIS____ 23743	28.31 0.28 0.00	24.10 0.21 0.00	24.54 0.22 0.00	24.58 0.24 0.00	24.65 0.24 0.00	26.40 0.26 0.00	30.16 0.30 0.00	34.75 0.38 0.00	32.51 0.35 0.00	34.03 0.37 0.00	33.98 0.37 0.00	33.93 0.37 0.00	35.37 0.35 -0.05	38.82 0.38 0.00	40.47 0.40 0.08	45.18 0.45 0.15	53.05 0.47 0.04	62.46 0.56 0.37	54.37 0.54 0.24	45.25 0.40 0.11	41.00 0.37 0.03	36.14 0.32 0.00	32.40 0.32 0.00	28.98 0.29 0.00
JENNISON__1 23625	32.83 1.65 -3.15	27.89 1.29 -2.71	26.68 1.29 -1.07	26.52 1.24 -0.94	26.45 1.32 -0.72	28.37 1.49 -0.75	32.76 1.91 -0.99	39.29 2.61 -2.31	36.66 2.06 -2.44	39.11 2.26 -3.19	36.76 2.05 -1.10	36.26 1.98 -0.72	37.64 1.78 -0.89	41.74 2.11 -1.19	43.33 1.77 -1.41	49.12 1.93 -2.32	58.21 2.21 -3.38	73.64 2.99 -8.38	56.64 2.76 0.19	47.81 2.25 -0.61	42.75 2.07 0.00	37.76 1.68 -0.26	33.89 1.54 -0.27	30.98 1.32 -0.97
JENNISON__2 23626	32.83 1.65 -3.15	27.89 1.29 -2.71	26.68 1.29 -1.07	26.52 1.24 -0.94	26.45 1.32 -0.72	28.37 1.49 -0.75	32.76 1.91 -0.99	39.29 2.61 -2.31	36.66 2.06 -2.44	39.11 2.26 -3.19	36.76 2.05 -1.10	36.26 1.98 -0.72	37.64 1.78 -0.89	41.74 2.11 -1.19	43.33 1.77 -1.41	49.12 1.93 -2.32	58.21 2.21 -3.38	73.64 2.99 -8.38	56.64 2.76 0.19	47.81 2.25 -0.61	42.75 2.07 0.00	37.76 1.68 -0.26	33.89 1.54 -0.27	30.98 1.32 -0.97
JERICHO_RISE_WT_PWR 323719	27.11 -0.92 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.68 -0.66 0.00	23.77 -0.63 0.00	25.54 -0.60 0.00	29.15 -0.72 0.00	33.47 -0.89 0.00	31.29 -0.87 0.00	32.68 -0.98 0.00	32.53 -1.08 0.00	32.32 -1.24 0.00	32.55 -1.36 1.05	36.94 -1.50 0.00	35.32 -1.57 3.27	37.19 -1.80 5.89	46.80 -2.00 3.82	57.67 -2.12 2.48	50.72 -1.73 1.61	43.34 -0.90 0.72	39.81 -0.65 0.21	35.14 -0.68 0.00	31.31 -0.77 0.00	28.06 -0.63 0.00
KATONAH__115KV_46KV_TB4 355592	42.57 2.38 -12.16	36.32 1.96 -10.48	30.45 1.99 -4.13	29.88 1.90 -3.64	29.08 1.88 -2.80	31.04 2.01 -2.89	35.35 2.42 -3.07	37.29 2.92 0.00	36.56 2.93 -1.48	40.18 3.13 -3.39	36.80 3.19 0.00	36.78 3.22 0.00	38.42 3.46 0.00	42.46 3.65 -0.37	44.01 3.85 0.00	49.28 4.40 0.00	57.72 5.10 0.00	68.25 5.98 0.00	58.93 4.87 0.00	48.73 3.78 0.00	44.25 3.58 0.00	39.87 3.30 -0.75	35.66 2.98 -0.60	34.09 2.55 -2.85
KCE_NY_1 323755	45.58 1.80 -15.75	38.99 1.53 -13.57	31.16 1.48 -5.35	30.51 1.46 -4.72	29.54 1.51 -3.63	31.52 1.65 -3.74	35.75 1.91 -3.97	36.53 2.17 0.00	36.12 2.03 -1.93	38.96 2.05 -3.25	35.43 1.81 0.00	35.40 1.84 0.00	36.95 1.99 0.00	40.45 1.92 -0.09	42.28 2.13 0.00	47.34 2.47 0.00	55.51 2.89 0.00	65.95 3.67 0.00	57.53 3.46 0.00	47.96 3.01 0.00	43.47 2.80 0.00	39.21 2.40 -0.99	34.92 2.05 -0.78	34.19 1.75 -3.75
KCE_NY_6_ESR 323823	28.85 -0.95 -1.77	24.48 -0.93 -1.53	23.98 -0.95 -0.60	23.87 -1.00 -0.53	23.74 -1.07 -0.41	25.41 -1.15 -0.42	28.85 -1.46 -0.45	29.86 -2.13 2.38	28.31 -2.03 1.83	29.48 -2.22 1.96	29.61 -2.02 1.98	30.67 -1.95 0.94	31.90 -1.99 1.07	35.40 -1.84 1.19	36.44 -2.45 1.26	39.08 -3.45 2.35	46.57 -4.16 1.89	50.74 -4.67 6.86	49.08 -3.08 1.91	40.88 -2.52 1.56	37.68 -2.20 0.80	33.21 -2.22 0.39	30.55 -1.60 -0.08	27.90 -1.15 -0.36
KEDC_PORT_JEFF_GT2 24210	86.21 3.28 -54.91	72.29 2.72 -45.68	55.12 2.72 -28.07	44.76 2.61 -17.81	43.92 2.51 -17.00	45.04 2.72 -16.18	40.27 3.23 -7.18	44.69 3.92 -6.41	48.38 3.99 -12.24	61.44 4.24 -23.54	66.06 4.37 -28.08	67.25 4.33 -29.36	74.43 4.51 -34.96	106.60 4.61 -63.55	117.85 4.86 -72.85	126.55 5.34 -76.33	152.25 6.31 -93.32	172.29 7.10 -102.92	176.71 5.73 -116.91	137.74 4.67 -88.11	118.41 4.47 -73.27	92.97 4.12 -53.03	65.68 4.07 -29.53	64.48 3.56 -32.23
KEDC_PORT_JEFF_GT3 24211	86.21 3.28 -54.91	72.29 2.72 -45.68	55.12 2.72 -28.07	44.76 2.61 -17.81	43.92 2.51 -17.00	45.04 2.72 -16.18	40.27 3.23 -7.18	44.69 3.92 -6.41	48.38 3.99 -12.24	61.44 4.24 -23.54	66.06 4.37 -28.08	67.25 4.33 -29.36	74.43 4.51 -34.96	106.60 4.61 -63.55	117.85 4.86 -72.85	126.55 5.34 -76.33	152.25 6.31 -93.32	172.29 7.10 -102.92	176.71 5.73 -116.91	137.74 4.67 -88.11	118.41 4.47 -73.27	92.97 4.12 -53.03	65.68 4.07 -29.53	64.48 3.56 -32.23
KEDC_GLWD_GT4 24219	85.65 2.72 -54.91	71.81 2.24 -45.68	54.71 2.31 -28.07	44.34 2.19 -17.81	43.74 2.34 -17.00	44.86 2.53 -16.18	40.03 2.99 -7.18	44.32 3.54 -6.41	47.71 3.31 -12.24	60.73 3.53 -23.54	65.31 3.63 -28.07	66.59 3.76 -29.27	66.45 3.98 -27.51	66.70 4.23 -24.03	70.27 4.46 -25.66	71.25 5.07 -21.30	73.65 6.05 -14.99	75.46 6.85 -6.34	75.68 5.52 -16.09	70.45 4.27 -21.22	69.15 3.99 -24.49	67.80 3.73 -28.26	64.98 3.37 -29.53	63.82 2.90 -32.23
KEDC_GLWD_GT5 24220	85.65 2.72 -54.91	71.81 2.24 -45.68	54.71 2.31 -28.07	44.34 2.19 -17.81	43.74 2.34 -17.00	44.86 2.53 -16.18	40.03 2.99 -7.18	44.32 3.54 -6.41	47.71 3.31 -12.24	60.73 3.53 -23.54	65.31 3.63 -28.07	66.59 3.76 -29.27	66.45 3.98 -27.51	66.70 4.23 -24.03	70.27 4.46 -25.66	71.25 5.07 -21.30	73.65 6.05 -14.99	75.46 6.85 -6.34	75.68 5.52 -16.09	70.45 4.27 -21.22	69.15 3.99 -24.49	67.80 3.73 -28.26	64.98 3.37 -29.53	63.82 2.90 -32.23

KENSICO____ 23655	42.28 2.27 -11.98	36.09 1.89 -10.32	30.34 1.95 -4.07	29.77 1.85 -3.59	28.97 1.81 -2.76	30.94 1.96 -2.84	35.22 2.33 -3.02	37.19 2.82 0.00	36.44 2.83 -1.45	40.63 2.96 -4.01	36.64 3.03 0.00	36.65 3.09 0.00	38.25 3.29 0.00	42.48 3.46 -0.58	43.81 3.65 0.00	49.01 4.13 0.00	57.51 4.89 0.00	67.88 5.60 0.00	58.50 4.43 0.00	48.41 3.46 0.00	43.96 3.29 0.00	39.64 3.08 -0.74	35.55 2.89 -0.58	33.98 2.50 -2.79
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	41.31 1.99 -11.29	35.19 1.58 -9.73	29.81 1.65 -3.83	29.25 1.53 -3.38	28.52 1.51 -2.60	30.46 1.65 -2.68	34.71 2.00 -2.85	36.77 2.41 0.00	35.95 2.41 -1.38	38.10 2.59 -1.85	36.27 2.66 0.00	36.21 2.65 0.00	37.83 2.87 0.00	41.43 3.08 0.09	43.44 3.29 0.00	48.65 3.77 0.00	57.14 4.53 0.00	67.50 5.23 0.00	58.34 4.27 0.00	48.28 3.33 0.00	43.68 3.01 0.00	39.21 2.69 -0.70	35.11 2.47 -0.56	33.42 2.07 -2.66
KIAC_JFK_GT1 23816	42.44 2.41 -12.00	36.19 1.96 -10.34	30.54 2.14 -4.08	29.93 2.00 -3.59	29.07 1.90 -2.76	31.10 2.12 -2.85	35.34 2.45 -3.03	37.39 3.02 0.00	36.70 3.09 -1.45	40.83 3.26 -3.90	41.14 3.60 -3.94	41.40 3.62 -4.21	42.36 3.64 -3.76	45.45 3.88 -3.13	47.56 4.30 -3.12	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.93 4.87 0.00	48.73 3.78 0.00	44.33 3.66 0.00	39.96 3.40 -0.74	35.78 3.11 -0.59	34.16 2.67 -2.80
KIAC_JFK_GT2 23817	42.44 2.41 -12.00	36.19 1.96 -10.34	30.54 2.14 -4.08	29.93 2.00 -3.59	29.07 1.90 -2.76	31.10 2.12 -2.85	35.34 2.45 -3.03	37.39 3.02 0.00	36.70 3.09 -1.45	40.83 3.26 -3.90	41.14 3.60 -3.94	41.40 3.62 -4.21	42.36 3.64 -3.76	45.45 3.88 -3.13	47.56 4.30 -3.12	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.93 4.87 0.00	48.73 3.78 0.00	44.33 3.66 0.00	39.96 3.40 -0.74	35.78 3.11 -0.59	34.16 2.67 -2.80
KIAC_JFK____ 323774	42.41 2.38 -12.00	36.19 1.96 -10.34	30.54 2.14 -4.08	29.93 2.00 -3.59	29.07 1.90 -2.76	31.10 2.12 -2.85	35.32 2.45 -3.00	37.36 2.99 0.00	36.71 3.09 -1.46	40.84 3.26 -3.92	41.15 3.60 -3.94	41.43 3.66 -4.21	42.36 3.64 -3.76	45.45 3.88 -3.13	47.57 4.30 -3.12	49.46 4.58 0.00	58.14 5.52 0.00	68.44 6.17 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.29 3.62 0.00	40.04 3.44 -0.78	35.81 3.11 -0.62	34.29 2.64 -2.96
KINTIGH____ 23543	28.47 -1.01 -1.45	24.18 -0.96 -1.25	23.87 -0.95 -0.49	23.77 -1.00 -0.43	23.69 -1.05 -0.33	25.36 -1.12 -0.34	28.80 -1.43 -0.37	29.38 -2.68 2.31	28.01 -2.41 1.74	29.17 -2.69 1.80	29.65 -1.95 2.01	30.63 -1.75 1.18	31.59 -2.03 1.34	34.95 -2.53 1.49	36.05 -3.32 1.57	39.00 -4.05 2.56	46.39 -4.48 2.18	51.42 -4.48 6.37	48.67 -3.24 2.15	40.74 -2.61 1.61	37.66 -2.11 0.90	33.21 -2.15 0.46	30.61 -1.54 -0.06	27.97 -1.03 -0.31
KNTFSRNC_46_KV_46KV_LOAD 80397	27.44 -0.59 0.00	23.53 -0.36 0.00	23.94 -0.39 0.00	24.00 -0.34 0.00	24.23 -0.17 0.00	26.03 -0.10 0.00	29.77 -0.09 0.00	34.20 -0.17 0.00	31.93 -0.23 0.00	33.36 -0.30 0.00	33.14 -0.47 0.00	32.89 -0.67 0.00	33.06 -0.84 1.07	37.52 -0.92 0.00	36.34 -1.00 2.81	38.66 -1.17 5.05	48.02 -1.21 3.39	59.65 -1.12 1.50	52.23 -0.87 0.98	44.61 0.09 0.44	40.79 0.24 0.13	35.93 0.11 0.00	31.92 -0.16 0.00	28.66 -0.03 0.00
LACHUTE__HYDRO 323717	46.56 2.75 -15.78	39.89 2.41 -13.60	31.87 2.19 -5.36	31.25 2.19 -4.72	30.40 2.37 -3.63	32.47 2.59 -3.75	36.98 3.13 -3.98	37.88 3.51 0.00	37.37 3.28 -1.93	40.17 3.26 -3.25	36.40 2.79 0.00	36.38 2.82 0.00	38.04 3.08 0.00	41.30 2.77 -0.09	43.20 3.05 0.00	48.47 3.59 0.00	56.88 4.26 0.00	67.94 5.67 0.00	59.64 5.57 0.00	49.98 5.03 0.00	45.47 4.80 0.00	40.93 4.12 -0.99	36.17 3.30 -0.79	35.08 2.64 -3.76
LAWRNCV_115KV_TB1 80681	26.38 -1.65 0.00	22.60 -1.29 0.00	23.01 -1.31 0.00	23.07 -1.27 0.00	23.18 -1.22 0.00	24.86 -1.28 0.00	28.46 -1.40 0.00	32.58 -1.79 0.00	30.42 -1.74 0.00	31.81 -1.85 0.00	31.66 -1.95 0.00	31.51 -2.05 0.00	31.89 -2.17 0.90	36.21 -2.23 0.00	27.13 -2.33 10.69	23.05 -2.60 19.23	38.67 -3.10 10.84	40.84 -3.67 17.76	39.31 -3.24 11.52	37.42 -2.38 5.15	37.08 -2.07 1.52	34.07 -1.76 0.00	30.35 -1.73 0.00	27.17 -1.52 0.00
LEDERLE____ 23769	41.67 2.13 -11.51	35.57 1.77 -9.92	30.08 1.85 -3.91	29.56 1.78 -3.45	28.79 1.73 -2.65	30.73 1.86 -2.73	34.95 2.18 -2.90	36.95 2.58 0.00	36.18 2.64 -1.38	35.76 2.76 0.66	36.47 2.86 0.00	36.45 2.89 0.00	38.04 3.08 0.00	40.76 3.23 0.91	43.60 3.45 0.00	48.83 3.95 0.00	57.30 4.68 0.00	67.63 5.36 0.00	58.23 4.16 0.00	48.14 3.19 0.00	43.76 3.09 0.00	39.43 2.90 -0.71	35.37 2.73 -0.56	33.71 2.35 -2.67
LIGHTHSE_115KV_TB6 355974	28.02 -0.73 -0.72	23.86 -0.64 -0.62	23.91 -0.66 -0.24	23.90 -0.66 -0.22	23.94 -0.63 -0.17	25.65 -0.65 -0.17	29.95 -0.66 -0.74	34.38 -0.69 -0.70	32.05 -0.80 -0.70	33.98 -0.81 -1.12	33.21 -0.81 -0.40	33.32 -0.84 -0.60	34.66 -0.98 -0.68	38.38 -1.15 -1.09	39.34 -1.24 -0.43	43.58 -1.44 -0.14	53.57 -1.63 -2.58	62.81 -1.74 -2.28	52.65 -1.35 0.07	44.54 -1.12 -0.71	40.19 -0.89 -0.41	35.38 -0.82 -0.38	31.51 -0.71 -0.14	28.22 -0.63 -0.16
LINDEN COGEN____ 23786	42.33 2.30 -12.00	36.21 1.98 -10.34	30.44 2.04 -4.08	29.83 1.90 -3.59	29.00 1.83 -2.76	31.00 2.01 -2.85	35.32 2.45 -3.00	37.29 2.92 0.00	36.64 3.02 -1.46	40.71 3.13 -3.92	40.70 3.26 -3.83	40.98 3.32 -4.10	42.22 3.50 -3.76	45.26 3.69 -3.13	47.13 3.94 -3.04	49.28 4.40 0.00	57.88 5.26 0.00	68.12 5.85 0.00	58.55 4.49 0.00	48.41 3.46 0.00	44.01 3.34 0.00	39.83 3.23 -0.78	35.78 3.08 -0.62	34.29 2.64 -2.96
LINDHRST_69_KV_BK1 356055	86.30 3.36 -54.91	72.33 2.77 -45.68	55.19 2.80 -28.07	44.83 2.68 -17.81	44.01 2.61 -17.00	45.14 2.82 -16.18	40.42 3.34 -7.21	44.80 4.02 -6.41	48.41 4.02 -12.23	61.46 4.27 -23.53	66.02 4.34 -28.07	67.13 4.30 -29.28	67.58 4.55 -28.07	70.84 4.88 -27.52	74.50 5.14 -29.21	76.02 5.70 -25.44	80.34 6.84 -20.88	83.73 7.85 -13.61	84.18 6.43 -23.68	76.29 5.08 -26.26	73.67 4.84 -28.16	70.34 4.44 -30.08	65.62 4.04 -29.49	64.35 3.59 -32.07
LIPA_MISC_IPP 23656	86.22 3.28 -54.91	72.26 2.70 -45.68	55.10 2.70 -28.07	44.73 2.58 -17.81	43.89 2.49 -17.00	45.01 2.69 -16.18	40.27 3.20 -7.21	44.69 3.92 -6.41	48.34 3.96 -12.23	61.43 4.24 -23.53	66.10 4.40 -28.08	67.21 4.30 -29.35	73.41 4.65 -33.79	105.77 5.07 -62.25	110.92 5.30 -65.47	118.39 5.79 -67.73	140.53 6.84 -81.07	158.12 8.03 -87.82	161.81 6.60 -101.14	127.82 5.21 -77.65	111.32 5.00 -65.64	89.52 4.59 -49.12	65.68 4.11 -29.49	64.35 3.59 -32.07
LISF__SOLAR 323691	86.30 3.36 -54.91	72.33 2.77 -45.68	55.17 2.77 -28.07	44.80 2.65 -17.81	43.94 2.54 -17.00	45.07 2.74 -16.18	40.33 3.29 -7.18	44.73 3.95 -6.41	48.42 4.02 -12.24	61.51 4.31 -23.54	66.16 4.47 -28.08	67.34 4.43 -29.35	73.60 4.75 -33.88	105.52 5.19 -61.90	111.61 5.42 -66.04	119.20 5.92 -68.40	141.64 7.00 -82.02	159.48 8.22 -88.99	163.20 6.76 -102.37	128.76 5.35 -78.47	112.03 5.12 -66.24	90.01 4.73 -49.46	65.84 4.23 -29.53	64.60 3.67 -32.23

LITTLE FALLS___HYD 24013	29.15 1.12 0.00	24.82 0.93 0.00	25.25 0.92 0.00	25.26 0.92 0.00	25.36 0.95 0.00	27.16 1.02 0.00	31.06 1.19 0.00	35.74 1.37 0.00	33.41 1.25 0.00	35.01 1.35 0.00	34.92 1.31 0.00	34.87 1.31 0.00	36.31 1.29 -0.05	39.86 1.42 0.00	41.56 1.49 0.08	46.39 1.66 0.15	54.47 1.89 0.04	64.21 2.30 0.37	55.89 2.05 0.24	46.55 1.71 0.11	42.18 1.55 0.03	37.18 1.36 0.00	33.30 1.22 0.00	29.78 1.09 0.00
LITTLRIV_115KV_TB1 356100	26.66 -1.37 0.00	22.81 -1.07 0.00	23.23 -1.09 0.00	23.32 -1.02 0.00	23.43 -0.98 0.00	25.14 -0.99 0.00	28.89 -1.05 -0.07	33.03 -1.37 -0.04	30.75 -1.45 -0.04	32.19 -1.55 -0.08	31.96 -1.65 0.00	31.78 -1.81 -0.03	32.21 -1.92 0.83	36.60 -1.92 -0.08	28.05 -1.97 10.13	24.32 -2.29 18.27	39.84 -2.74 10.04	42.44 -3.24 16.60	40.29 -2.81 10.96	38.20 -1.93 4.82	37.59 -1.67 1.41	34.41 -1.43 -0.02	30.62 -1.48 -0.01	27.37 -1.32 0.00
LI_NEWBRDGE___DRP 323616	85.57 2.63 -54.91	71.74 2.17 -45.68	54.63 2.24 -28.07	44.29 2.14 -17.81	43.50 2.10 -17.00	44.60 2.27 -16.18	39.79 2.72 -7.21	44.01 3.23 -6.41	47.64 3.25 -12.23	60.62 3.43 -23.53	65.14 3.46 -28.07	66.35 3.52 -29.27	66.21 3.74 -27.51	66.43 3.96 -24.03	69.99 4.18 -25.66	70.85 4.67 -21.30	73.23 5.63 -14.99	74.90 6.29 -6.34	75.24 5.08 -16.09	70.17 4.00 -21.22	68.94 3.78 -24.49	67.58 3.55 -28.21	64.85 3.27 -29.49	63.60 2.84 -32.07
LOCKPORT_115KV_TB60_63_64 80432	28.52 -1.09 -1.58	24.18 -1.07 -1.36	23.79 -1.07 -0.54	23.69 -1.12 -0.47	23.57 -1.20 -0.36	25.23 -1.28 -0.38	28.62 -1.64 -0.40	29.35 -2.72 2.30	27.92 -2.51 1.74	29.05 -2.79 1.82	29.39 -2.25 1.97	30.49 -2.01 1.06	31.42 -2.34 1.20	34.84 -2.27 1.33	35.90 -2.85 1.41	38.60 -3.86 2.42	45.80 -4.74 2.08	50.66 -5.17 6.44	48.32 -3.73 2.01	40.42 -2.97 1.56	37.43 -2.40 0.84	32.93 -2.47 0.42	30.35 -1.80 -0.07	27.88 -1.15 -0.34
LOCKPORT___CC1 323769	28.50 -1.12 -1.59	24.19 -1.07 -1.37	23.77 -1.09 -0.54	23.67 -1.14 -0.48	23.55 -1.22 -0.37	25.21 -1.31 -0.38	28.60 -1.67 -0.40	29.31 -2.75 2.31	27.85 -2.54 1.77	28.96 -2.83 1.87	29.33 -2.32 1.97	30.26 -2.25 1.05	31.43 -2.34 1.19	34.85 -2.27 1.33	35.86 -2.89 1.40	38.46 -3.99 2.42	45.65 -4.89 2.07	50.29 -5.42 6.56	48.44 -3.62 2.01	40.56 -2.83 1.56	37.39 -2.44 0.84	32.96 -2.44 0.42	30.35 -1.80 -0.07	27.76 -1.26 -0.33
LOCKPORT___CC2 323770	28.50 -1.12 -1.59	24.19 -1.07 -1.37	23.77 -1.09 -0.54	23.67 -1.14 -0.48	23.55 -1.22 -0.37	25.21 -1.31 -0.38	28.60 -1.67 -0.40	29.31 -2.75 2.31	27.85 -2.54 1.77	28.96 -2.83 1.87	29.33 -2.32 1.97	30.26 -2.25 1.05	31.43 -2.34 1.19	34.85 -2.27 1.33	35.86 -2.89 1.40	38.46 -3.99 2.42	45.65 -4.89 2.07	50.29 -5.42 6.56	48.44 -3.62 2.01	40.56 -2.83 1.56	37.39 -2.44 0.84	32.96 -2.44 0.42	30.35 -1.80 -0.07	27.76 -1.26 -0.33
LOCKPORT___CC3 323771	28.50 -1.12 -1.59	24.19 -1.07 -1.37	23.77 -1.09 -0.54	23.67 -1.14 -0.48	23.55 -1.22 -0.37	25.21 -1.31 -0.38	28.60 -1.67 -0.40	29.31 -2.75 2.31	27.85 -2.54 1.77	28.96 -2.83 1.87	29.33 -2.32 1.97	30.26 -2.25 1.05	31.43 -2.34 1.19	34.85 -2.27 1.33	35.86 -2.89 1.40	38.46 -3.99 2.42	45.65 -4.89 2.07	50.29 -5.42 6.56	48.44 -3.62 2.01	40.56 -2.83 1.56	37.39 -2.44 0.84	32.96 -2.44 0.42	30.35 -1.80 -0.07	27.76 -1.26 -0.33
LONG_LAKE_PHOENIX 24014	28.36 -0.48 -0.81	24.16 -0.43 -0.70	24.14 -0.46 -0.28	24.09 -0.49 -0.24	24.10 -0.49 -0.19	25.81 -0.52 -0.19	30.29 -0.57 -0.99	35.16 -0.58 -1.37	32.78 -0.64 -1.26	34.88 -0.64 -1.86	33.98 -0.57 -0.93	34.15 -0.57 -1.16	35.77 -0.63 -1.44	39.70 -0.69 -1.95	41.58 -0.80 -2.23	46.88 -0.90 -2.90	57.09 -1.05 -5.52	67.32 -1.12 -6.16	54.69 -0.97 -1.60	45.97 -0.85 -1.87	40.92 -0.69 -0.94	35.83 -0.64 -0.65	31.75 -0.51 -0.19	28.42 -0.46 -0.19
LOVETT___3 23632	41.58 1.99 -11.56	35.49 1.65 -9.96	30.00 1.75 -3.93	29.45 1.65 -3.46	28.70 1.64 -2.66	30.63 1.75 -2.74	34.81 2.03 -2.92	36.81 2.44 0.00	35.99 2.44 -1.39	35.40 2.56 0.82	36.23 2.62 0.00	36.24 2.68 0.00	37.83 2.87 0.00	40.43 2.96 0.97	43.28 3.13 0.00	48.47 3.59 0.00	56.93 4.31 0.00	67.13 4.86 0.00	57.85 3.78 0.00	47.83 2.88 0.00	43.48 2.81 0.00	39.22 2.69 -0.71	35.21 2.57 -0.56	33.61 2.24 -2.68
LOVETT___4 23642	41.58 1.99 -11.56	35.49 1.65 -9.96	30.00 1.75 -3.93	29.45 1.65 -3.46	28.70 1.64 -2.66	30.63 1.75 -2.74	34.81 2.03 -2.92	36.81 2.44 0.00	35.99 2.44 -1.39	35.40 2.56 0.82	36.23 2.62 0.00	36.24 2.68 0.00	37.83 2.87 0.00	40.43 2.96 0.97	43.28 3.13 0.00	48.47 3.59 0.00	56.93 4.31 0.00	67.13 4.86 0.00	57.85 3.78 0.00	47.83 2.88 0.00	43.48 2.81 0.00	39.22 2.69 -0.71	35.21 2.57 -0.56	33.61 2.24 -2.68
LOVETT___5 23593	41.58 1.99 -11.56	35.49 1.65 -9.96	30.00 1.75 -3.93	29.45 1.65 -3.46	28.70 1.64 -2.66	30.63 1.75 -2.74	34.81 2.03 -2.92	36.81 2.44 0.00	35.99 2.44 -1.39	35.40 2.56 0.82	36.23 2.62 0.00	36.24 2.68 0.00	37.83 2.87 0.00	40.43 2.96 0.97	43.28 3.13 0.00	48.47 3.59 0.00	56.93 4.31 0.00	67.13 4.86 0.00	57.85 3.78 0.00	47.83 2.88 0.00	43.48 2.81 0.00	39.22 2.69 -0.71	35.21 2.57 -0.56	33.61 2.24 -2.68
LOWER RAQUET___HYD 24057	26.21 -1.82 0.00	22.45 -1.43 0.00	22.87 -1.46 0.00	22.95 -1.39 0.00	23.06 -1.34 0.00	24.72 -1.41 0.00	28.38 -1.55 -0.07	32.48 -1.92 -0.04	30.30 -1.90 -0.04	31.73 -2.02 -0.09	31.50 -2.12 0.00	31.35 -2.25 -0.03	31.77 -2.38 0.81	36.03 -2.50 -0.09	27.87 -2.57 9.71	24.49 -2.87 17.52	39.59 -3.42 9.61	42.32 -4.05 15.90	39.98 -3.57 10.52	37.75 -2.61 4.59	37.09 -2.24 1.35	33.91 -1.93 -0.02	30.17 -1.92 -0.01	27.03 -1.66 0.00
LOWER___HUDSON 24059	44.97 1.48 -15.46	38.50 1.29 -13.32	30.86 1.29 -5.25	30.23 1.26 -4.63	29.25 1.29 -3.56	31.19 1.38 -3.67	35.34 1.58 -3.90	36.15 1.79 0.00	35.72 1.67 -1.89	38.59 1.72 -3.21	35.13 1.51 0.00	35.10 1.54 0.00	36.61 1.64 0.00	40.15 1.61 -0.10	42.00 1.85 0.00	46.99 2.11 0.00	55.14 2.53 0.00	65.32 3.05 0.00	56.88 2.81 0.00	47.29 2.34 0.00	42.86 2.19 0.00	38.62 1.83 -0.97	34.49 1.64 -0.77	33.84 1.46 -3.69
LOWVILLE_115KV_TB2 356335	27.82 -0.56 -0.35	23.71 -0.48 -0.30	24.01 -0.44 -0.12	24.20 -0.24 -0.10	24.31 -0.17 -0.08	26.09 -0.13 -0.08	30.12 0.00 -0.26	34.45 0.00 -0.08	32.06 -0.23 -0.13	33.65 -0.27 -0.26	33.24 -0.37 0.00	32.90 -0.74 -0.08	33.85 -1.01 0.10	37.52 -1.11 -0.19	36.54 -1.16 2.45	39.05 -1.30 4.53	49.20 -1.53 1.89	56.96 -1.56 3.76	50.08 -1.08 2.90	43.07 -0.76 1.12	39.78 -0.57 0.32	35.35 -0.54 -0.07	31.58 -0.55 -0.05	28.48 -0.29 -0.08
LUTHERFT_115KV_GLOB_FND_222 355753	45.55 1.77 -15.75	38.99 1.53 -13.57	31.13 1.46 -5.35	30.51 1.46 -4.72	29.54 1.51 -3.63	31.50 1.62 -3.74	35.75 1.91 -3.98	36.50 2.13 0.00	36.08 1.99 -1.92	38.92 2.02 -3.24	35.43 1.82 0.00	35.37 1.81 0.00	36.92 1.96 0.00	40.42 1.88 -0.09	42.24 2.09 0.00	47.30 2.42 0.00	55.46 2.84 0.00	65.88 3.61 0.00	57.47 3.41 0.00	47.92 2.97 0.00	43.48 2.81 0.00	39.16 2.36 -0.98	34.91 2.05 -0.77	34.11 1.72 -3.70

LUTHERNY_35_KV_BK2 355980	45.58 1.79 -15.75	38.99 1.53 -13.57	31.16 1.48 -5.35	30.51 1.46 -4.72	29.54 1.51 -3.63	31.52 1.65 -3.74	35.75 1.91 -3.98	36.50 2.13 0.00	36.11 2.03 -1.92	38.95 2.05 -3.24	35.43 1.82 0.00	35.41 1.85 0.00	36.96 1.99 0.00	40.45 1.92 -0.09	42.28 2.13 0.00	47.35 2.47 0.00	55.51 2.89 0.00	65.95 3.67 0.00	57.53 3.46 0.00	47.96 3.01 0.00	43.52 2.85 0.00	39.20 2.40 -0.98	34.91 2.05 -0.77	34.14 1.75 -3.70
LWR___OSWEGATCHIE_HYD 23850	26.74 -1.54 -0.26	22.84 -1.27 -0.22	23.12 -1.29 -0.09	23.25 -1.17 -0.08	23.34 -1.12 -0.06	25.05 -1.15 -0.06	28.88 -1.19 -0.21	33.00 -1.44 -0.07	30.75 -1.51 -0.11	32.30 -1.58 -0.22	31.93 -1.68 0.00	31.71 -1.91 -0.07	32.35 -2.13 0.48	36.34 -2.27 -0.17	31.39 -2.37 6.39	30.62 -2.65 11.61	43.52 -3.10 5.99	48.48 -3.55 10.25	44.04 -2.97 7.05	39.75 -2.20 2.99	37.89 -1.91 0.87	34.19 -1.68 -0.06	30.48 -1.64 -0.04	27.37 -1.38 -0.06
LYONS_FALL_HYD 23570	28.33 -0.03 -0.33	24.12 -0.05 -0.28	24.41 -0.02 -0.11	24.53 0.10 -0.10	24.63 0.15 -0.08	26.42 0.21 -0.08	30.43 0.36 -0.21	34.91 0.48 -0.06	32.51 0.26 -0.10	34.13 0.27 -0.20	33.78 0.17 0.00	33.55 -0.07 -0.05	34.64 -0.28 0.04	38.31 -0.27 -0.14	38.30 -0.28 1.57	41.60 -0.36 2.92	51.02 -0.42 1.17	59.55 -0.25 2.48	52.14 0.00 1.92	44.28 0.04 0.72	40.59 0.12 0.20	35.95 0.07 -0.06	32.12 0.00 -0.04	28.88 0.12 -0.08
MADISON___COUNTY_LFGE 323628	29.42 0.78 -0.61	25.03 0.62 -0.52	25.14 0.61 -0.21	25.13 0.61 -0.18	25.20 0.66 -0.14	27.01 0.73 -0.14	31.07 0.93 -0.28	35.49 1.17 0.05	33.18 0.93 -0.08	34.93 1.01 -0.26	34.24 0.97 0.34	34.23 0.91 0.23	35.52 0.80 0.25	39.18 0.96 0.23	40.47 0.96 0.64	44.80 0.99 1.07	53.45 1.21 0.38	63.44 1.62 0.45	54.67 1.57 0.96	45.92 1.26 0.29	41.64 1.18 0.20	36.75 0.97 0.04	33.00 0.87 -0.05	29.58 0.75 -0.14
MALONE___115KV_TB1 356076	27.02 -1.01 0.00	23.15 -0.74 0.00	23.57 -0.75 0.00	23.66 -0.68 0.00	23.75 -0.66 0.00	25.51 -0.63 0.00	29.18 -0.69 0.00	33.51 -0.86 0.00	31.29 -0.87 0.00	32.68 -0.98 0.00	32.54 -1.08 0.00	32.32 -1.24 0.00	32.59 -1.36 1.00	37.02 -1.42 0.00	33.79 -1.45 4.92	34.36 -1.66 8.85	45.35 -1.89 5.37	54.29 -2.05 5.93	48.44 -1.78 3.84	42.33 -0.90 1.72	39.47 -0.69 0.51	35.18 -0.64 0.00	31.28 -0.80 0.00	28.03 -0.66 0.00
MAPLEWOD_115KV_TB3 80458	44.71 1.32 -15.36	38.27 1.15 -13.23	30.68 1.14 -5.22	30.10 1.17 -4.60	29.13 1.20 -3.53	31.04 1.25 -3.65	35.17 1.43 -3.88	35.91 1.55 0.00	35.51 1.48 -1.88	38.39 1.55 -3.18	35.06 1.45 0.00	35.00 1.44 0.00	36.54 1.57 0.00	40.08 1.54 -0.10	41.88 1.73 0.00	46.85 1.97 0.00	54.88 2.26 0.00	65.07 2.80 0.00	56.61 2.54 0.00	47.06 2.11 0.00	42.66 1.99 0.00	38.49 1.72 -0.95	34.34 1.51 -0.75	33.61 1.32 -3.60
MAPLE_RIDGE_WT_1 323574	27.61 -0.42 0.00	23.55 -0.33 0.00	24.01 -0.32 0.00	24.05 -0.29 0.00	24.14 -0.27 0.00	25.85 -0.29 0.00	29.57 -0.30 0.00	33.61 -0.76 0.00	31.42 -0.74 0.00	32.82 -0.84 0.00	32.67 -0.94 0.00	32.48 -1.08 0.00	32.10 -1.19 1.68	37.13 -1.31 0.00	35.97 -1.37 2.82	38.31 -1.48 5.08	47.08 -1.74 3.80	61.14 -1.93 -0.80	53.02 -1.57 -0.52	44.06 -1.12 -0.23	39.80 -0.93 -0.07	35.03 -0.79 0.00	31.37 -0.71 0.00	28.12 -0.57 0.00
MAPLE_RIDGE_WT_2 323611	27.61 -0.42 0.00	23.55 -0.33 0.00	24.01 -0.32 0.00	24.05 -0.29 0.00	24.14 -0.27 0.00	25.85 -0.29 0.00	29.57 -0.30 0.00	33.61 -0.76 0.00	31.42 -0.74 0.00	32.82 -0.84 0.00	32.67 -0.94 0.00	32.48 -1.08 0.00	32.10 -1.19 1.68	37.13 -1.31 0.00	35.97 -1.37 2.82	38.31 -1.48 5.08	47.08 -1.74 3.80	61.14 -1.93 -0.80	53.02 -1.57 -0.52	44.06 -1.12 -0.23	39.80 -0.93 -0.07	35.03 -0.79 0.00	31.37 -0.71 0.00	28.12 -0.57 0.00
MARBLE_RIVER_WT_PWR 323696	27.19 -0.84 0.00	23.27 -0.62 0.00	23.69 -0.63 0.00	23.75 -0.58 0.00	23.89 -0.51 0.00	25.67 -0.47 0.00	29.30 -0.57 0.00	33.65 -0.72 0.00	31.45 -0.71 0.00	32.85 -0.81 0.00	32.71 -0.91 0.00	32.45 -1.11 0.00	32.63 -1.26 1.07	37.06 -1.38 0.00	36.10 -1.48 2.57	38.55 -1.71 4.62	47.61 -1.84 3.16	59.34 -1.93 1.01	51.85 -1.57 0.65	43.99 -0.67 0.29	40.14 -0.45 0.09	35.32 -0.50 0.00	31.44 -0.64 0.00	28.20 -0.49 0.00
MARSHVLE_115KV_TB1 80742	48.36 1.88 -18.45	41.38 1.60 -15.89	32.07 1.48 -6.27	31.35 1.48 -5.52	30.24 1.59 -4.25	32.27 1.75 -4.38	36.49 1.97 -4.66	36.12 1.75 0.00	35.80 1.38 -2.25	38.60 1.31 -3.63	34.79 1.18 0.00	34.63 1.07 0.00	36.12 1.15 0.00	39.57 1.08 -0.05	41.48 1.33 0.00	46.49 1.62 0.00	54.62 2.00 0.00	65.39 3.11 0.00	58.17 4.06 -0.05	48.92 3.87 -0.10	44.16 3.46 -0.04	39.88 2.90 -1.16	35.34 2.34 -0.91	34.86 1.86 -4.31
MARSH_HILL_WT_PWR 323713	29.92 -0.31 -2.20	25.40 -0.38 -1.89	24.63 -0.44 -0.75	24.39 -0.61 -0.66	24.23 -0.68 -0.51	26.08 -0.58 -0.52	29.98 -0.54 -0.65	29.90 -1.07 3.40	28.20 -1.19 2.77	29.33 -1.24 3.08	29.87 -1.28 2.46	31.88 -1.24 0.44	33.20 -1.29 0.47	36.78 -1.23 0.43	38.04 -1.73 0.39	40.67 -2.29 1.92	49.97 -2.52 0.13	49.75 -2.74 9.78	50.86 -1.73 1.48	41.72 -1.48 1.75	38.78 -1.30 0.59	34.11 -1.47 0.24	31.25 -0.93 -0.11	28.39 -0.75 -0.44
MCINTYRE_115KV_TB2 80467	26.99 -1.04 0.00	23.10 -0.79 0.00	23.52 -0.80 0.00	23.61 -0.73 0.00	23.72 -0.68 0.00	25.46 -0.68 0.00	29.15 -0.72 0.00	33.34 -1.03 0.00	31.00 -1.16 0.00	32.38 -1.28 0.00	32.23 -1.38 0.00	32.05 -1.51 0.00	32.44 -1.61 0.91	36.86 -1.58 0.00	27.67 -1.57 10.92	23.41 -1.84 19.63	39.35 -2.21 11.06	41.49 -2.62 18.16	40.07 -2.22 11.78	38.25 -1.44 5.26	37.90 -1.22 1.55	34.82 -1.00 0.00	30.96 -1.12 0.00	27.69 -1.00 0.00
MECO_____69_KV_BK1 80468	49.13 3.17 -17.93	42.09 2.75 -15.45	32.95 2.53 -6.09	32.24 2.53 -5.37	31.24 2.71 -4.13	33.38 2.98 -4.26	37.97 3.58 -4.53	38.22 3.85 0.00	37.92 3.57 -2.19	40.75 3.53 -3.55	36.97 3.36 0.00	36.88 3.32 0.00	38.53 3.57 0.00	42.04 3.54 -0.06	44.05 3.89 0.00	49.46 4.58 0.00	57.93 5.31 0.00	69.75 7.47 0.00	61.58 7.52 0.00	51.51 6.56 0.00	46.40 5.73 0.00	41.73 4.80 -1.11	36.81 3.85 -0.88	36.01 3.13 -4.19
MENANDS___115KV_TB5 355628	44.51 1.15 -15.33	38.10 1.00 -13.21	30.55 1.02 -5.21	29.95 1.02 -4.59	28.98 1.05 -3.53	30.87 1.10 -3.64	34.99 1.25 -3.87	35.71 1.34 0.00	35.32 1.29 -1.87	38.18 1.35 -3.18	34.89 1.28 0.00	34.83 1.28 0.00	36.36 1.40 0.00	39.88 1.35 -0.10	41.68 1.53 0.00	46.63 1.75 0.00	54.56 1.95 0.00	64.70 2.43 0.00	56.18 2.11 0.00	46.75 1.80 0.00	42.38 1.71 0.00	38.24 1.47 -0.95	34.15 1.32 -0.75	33.44 1.15 -3.60
MG INDUSTRY___DRP 24185	44.11 1.12 -14.95	37.75 0.98 -12.89	30.40 1.00 -5.08	29.81 1.00 -4.48	28.87 1.02 -3.44	30.76 1.07 -3.55	34.83 1.19 -3.77	35.61 1.24 0.00	35.11 1.13 -1.83	37.84 1.11 -3.07	34.59 0.97 0.00	34.50 0.94 0.00	35.98 1.01 0.00	39.49 0.96 -0.09	41.24 1.08 0.00	46.13 1.26 0.00	54.14 1.53 0.00	64.27 1.99 0.00	55.96 1.89 0.00	46.61 1.66 0.00	42.26 1.59 0.00	38.15 1.40 -0.93	34.03 1.22 -0.73	33.32 1.12 -3.51

MID___OSWEGATCHIE_HYD 23849	26.74 -1.54 -0.26	22.84 -1.27 -0.22	23.12 -1.29 -0.09	23.25 -1.17 -0.08	23.34 -1.12 -0.06	25.05 -1.15 -0.06	28.88 -1.19 -0.21	33.00 -1.44 -0.07	30.75 -1.51 -0.11	32.30 -1.58 -0.22	31.93 -1.68 0.00	31.71 -1.91 -0.07	32.35 -2.13 0.48	36.34 -2.27 -0.17	31.39 -2.37 6.39	30.62 -2.65 11.61	43.52 -3.10 5.99	48.48 -3.55 10.25	44.04 -2.97 7.05	39.75 -2.20 2.99	37.89 -1.91 0.87	34.19 -1.68 -0.06	30.48 -1.64 -0.04	27.37 -1.38 -0.06
MID___RAQUETTE_HYD 23851	26.21 -1.82 0.00	22.45 -1.43 0.00	22.87 -1.46 0.00	22.95 -1.39 0.00	23.04 -1.37 0.00	24.73 -1.41 0.00	28.38 -1.55 -0.07	32.48 -1.92 -0.04	30.30 -1.90 -0.04	31.73 -2.02 -0.09	31.49 -2.12 0.00	31.34 -2.25 -0.03	31.77 -2.38 0.81	36.07 -2.46 -0.09	27.87 -2.57 9.71	24.49 -2.87 17.51	39.59 -3.42 9.61	42.40 -4.05 15.83	40.02 -3.57 10.48	37.74 -2.61 4.60	37.04 -2.28 1.35	33.91 -1.93 -0.02	30.17 -1.92 -0.01	27.00 -1.69 0.00
MILLIKEN___1 23584	30.70 0.50 -2.16	26.13 0.38 -1.86	25.42 0.36 -0.73	25.30 0.32 -0.65	25.24 0.34 -0.50	27.04 0.39 -0.51	31.19 0.51 -0.82	39.63 0.89 -4.36	37.00 0.64 -4.20	39.76 0.67 -5.43	36.44 0.61 -2.22	34.86 0.64 -0.66	36.42 0.63 -0.83	40.34 0.73 -1.17	42.17 0.64 -1.37	48.68 0.67 -3.13	57.09 0.95 -3.53	78.61 1.31 -15.03	54.94 1.14 0.26	47.34 0.85 -1.54	41.58 0.85 -0.06	36.62 0.61 -0.19	32.93 0.64 -0.21	29.78 0.55 -0.54
MILLIKEN___2 23585	30.70 0.50 -2.16	26.13 0.38 -1.86	25.42 0.36 -0.73	25.30 0.32 -0.65	25.24 0.34 -0.50	27.04 0.39 -0.51	31.19 0.51 -0.82	39.63 0.89 -4.36	37.00 0.64 -4.20	39.76 0.67 -5.43	36.44 0.61 -2.22	34.86 0.64 -0.66	36.42 0.63 -0.83	40.34 0.73 -1.17	42.17 0.64 -1.37	48.68 0.67 -3.13	57.09 0.95 -3.53	78.61 1.31 -15.03	54.94 1.14 0.26	47.34 0.85 -1.54	41.58 0.85 -0.06	36.62 0.61 -0.19	32.93 0.64 -0.21	29.78 0.55 -0.54
MILLIKEN___DIESEL 23629	30.70 0.50 -2.16	26.13 0.38 -1.86	25.42 0.36 -0.73	25.30 0.32 -0.65	25.24 0.34 -0.50	27.04 0.39 -0.51	31.19 0.51 -0.82	39.63 0.89 -4.36	37.00 0.64 -4.20	39.76 0.67 -5.43	36.44 0.61 -2.22	34.86 0.64 -0.66	36.42 0.63 -0.83	40.34 0.73 -1.17	42.17 0.64 -1.37	48.68 0.67 -3.13	57.09 0.95 -3.53	78.61 1.31 -15.03	54.94 1.14 0.26	47.34 0.85 -1.54	41.58 0.85 -0.06	36.62 0.61 -0.19	32.93 0.64 -0.21	29.78 0.55 -0.54
MILLSEAT___LFGE 323607	28.92 -0.64 -1.53	24.51 -0.69 -1.32	24.16 -0.68 -0.52	24.04 -0.75 -0.46	23.95 -0.80 -0.35	25.66 -0.84 -0.36	29.18 -1.07 -0.39	30.14 -1.96 2.28	28.56 -1.87 1.74	29.68 -2.15 1.82	30.02 -1.65 1.95	30.90 -1.58 1.08	32.10 -1.64 1.22	35.58 -1.50 1.36	36.63 -2.09 1.43	39.40 -3.05 2.43	46.78 -3.73 2.11	51.93 -3.92 6.42	49.71 -2.32 2.03	41.64 -1.75 1.56	38.32 -1.50 0.85	33.67 -1.72 0.43	30.96 -1.19 -0.07	28.29 -0.72 -0.32
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	42.14 2.19 -11.93	35.98 1.82 -10.28	30.25 1.87 -4.05	29.71 1.80 -3.57	28.91 1.76 -2.75	30.85 1.88 -2.83	35.11 2.24 -3.01	37.08 2.72 0.00	36.30 2.70 -1.44	40.69 2.86 -4.17	36.54 2.92 0.00	36.51 2.95 0.00	38.11 3.15 0.00	42.38 3.31 -0.64	43.64 3.49 0.00	48.83 3.95 0.00	57.35 4.74 0.00	67.63 5.36 0.00	58.34 4.27 0.00	48.23 3.28 0.00	43.84 3.17 0.00	39.53 2.97 -0.74	35.45 2.79 -0.58	33.88 2.41 -2.78
MILLWOOD_13_KV_LOAD 356217	42.26 2.30 -11.93	36.05 1.89 -10.28	30.32 1.95 -4.05	29.78 1.87 -3.57	28.98 1.83 -2.75	30.93 1.96 -2.83	35.20 2.33 -3.01	37.19 2.82 0.00	36.43 2.83 -1.44	40.82 3.00 -4.17	36.67 3.06 0.00	36.65 3.09 0.00	38.28 3.32 0.00	42.58 3.50 -0.64	43.85 3.69 0.00	49.05 4.17 0.00	57.56 4.95 0.00	67.94 5.67 0.00	58.61 4.54 0.00	48.46 3.51 0.00	44.05 3.38 0.00	39.67 3.12 -0.74	35.55 2.89 -0.58	33.97 2.50 -2.78
MODEL_CITY_ENERGY 24167	28.27 -1.37 -1.61	23.99 -1.29 -1.39	23.58 -1.29 -0.55	23.48 -1.34 -0.48	23.36 -1.42 -0.37	25.00 -1.52 -0.38	28.33 -1.94 -0.41	28.96 -3.09 2.32	27.52 -2.86 1.78	28.62 -3.17 1.88	28.98 -2.66 1.97	29.93 -2.58 1.04	31.09 -2.69 1.18	34.47 -2.65 1.32	35.47 -3.29 1.39	38.02 -4.44 2.42	45.08 -5.47 2.07	49.64 -6.04 6.59	47.90 -4.16 2.00	40.11 -3.28 1.57	36.98 -2.85 0.84	32.64 -2.76 0.42	30.06 -2.08 -0.07	27.53 -1.49 -0.33
MODERN_LFGE___ 323580	28.27 -1.37 -1.61	23.99 -1.29 -1.39	23.58 -1.29 -0.55	23.48 -1.34 -0.48	23.36 -1.42 -0.37	25.00 -1.52 -0.38	28.33 -1.94 -0.41	28.96 -3.09 2.32	27.52 -2.86 1.78	28.62 -3.17 1.88	28.98 -2.66 1.97	29.93 -2.58 1.04	31.09 -2.69 1.18	34.47 -2.65 1.32	35.47 -3.29 1.39	38.02 -4.44 2.42	45.08 -5.47 2.07	49.64 -6.04 6.59	47.90 -4.16 2.00	40.11 -3.28 1.57	36.98 -2.85 0.84	32.64 -2.76 0.42	30.06 -2.08 -0.07	27.53 -1.49 -0.33
MOHAWK_PAPER___DRP 24187	44.71 1.32 -15.36	38.27 1.15 -13.23	30.68 1.14 -5.22	30.10 1.17 -4.60	29.13 1.20 -3.53	31.04 1.25 -3.65	35.17 1.43 -3.88	35.91 1.55 0.00	35.51 1.48 -1.88	38.39 1.55 -3.18	35.06 1.45 0.00	35.00 1.44 0.00	36.54 1.57 0.00	40.08 1.54 -0.10	41.88 1.73 0.00	46.85 1.97 0.00	54.88 2.26 0.00	65.07 2.80 0.00	56.61 2.54 0.00	47.06 2.11 0.00	42.66 1.99 0.00	38.49 1.72 -0.95	34.34 1.51 -0.75	33.61 1.32 -3.60
MOHICAN___35_KV_115KV_LD 80490	45.56 1.77 -15.77	39.03 1.55 -13.59	31.09 1.41 -5.36	30.47 1.41 -4.72	29.55 1.51 -3.63	31.50 1.62 -3.74	35.81 1.97 -3.98	36.57 2.20 0.00	36.18 2.09 -1.93	38.98 2.09 -3.24	35.29 1.68 0.00	35.27 1.71 0.00	36.85 1.89 0.00	40.15 1.61 -0.09	41.96 1.81 0.00	47.03 2.15 0.00	55.14 2.53 0.00	65.64 3.36 0.00	57.58 3.51 0.00	48.10 3.15 0.00	43.76 3.09 0.00	39.38 2.58 -0.98	34.97 2.12 -0.77	34.11 1.72 -3.70
MONGAUP___HYD 23641	40.58 1.88 -10.67	34.59 1.51 -9.20	29.51 1.56 -3.62	29.02 1.48 -3.20	28.32 1.46 -2.46	30.24 1.57 -2.53	34.41 1.88 -2.66	36.50 2.13 0.00	35.61 2.15 -1.30	36.25 2.22 -0.37	35.86 2.25 0.00	35.81 2.25 0.00	37.41 2.45 0.00	40.44 2.54 0.53	42.88 2.73 0.00	48.02 3.14 0.00	56.45 3.84 0.00	66.82 4.54 0.00	57.85 3.78 0.00	48.01 3.06 0.00	43.44 2.77 0.00	39.06 2.54 -0.70	34.94 2.31 -0.55	33.25 1.92 -2.64
MONTAUK___DIESEL 23721	86.36 3.42 -54.91	72.36 2.79 -45.68	55.12 2.72 -28.07	44.93 2.77 -17.81	44.04 2.64 -17.00	45.09 2.77 -16.18	40.27 3.20 -7.21	44.80 4.02 -6.41	48.70 4.31 -12.23	62.03 4.85 -23.53	67.04 5.34 -28.08	68.41 5.50 -29.35	74.95 6.15 -33.83	107.60 7.00 -62.16	113.21 7.35 -65.71	120.96 8.08 -68.01	143.61 9.52 -81.47	161.98 11.40 -88.31	165.30 9.57 -101.66	130.41 7.46 -77.99	113.44 6.87 -65.89	91.37 6.30 -49.24	66.87 5.29 -29.49	65.35 4.59 -32.07
MOONROAD_115KV_HARTFLD_TB1-2 355988	29.52 -0.39 -1.88	25.01 -0.50 -1.62	24.45 -0.51 -0.64	24.34 -0.56 -0.56	24.20 -0.63 -0.43	25.98 -0.60 -0.45	29.53 -0.81 -0.47	31.09 -0.89 2.38	29.40 -0.96 1.80	30.60 -1.18 1.88	30.46 -1.14 2.01	31.72 -1.01 0.83	32.77 -1.26 0.94	36.39 -1.04 1.01	37.68 -1.45 1.02	40.58 -2.20 2.10	48.59 -2.68 1.34	52.68 -3.05 6.54	50.23 -2.00 1.84	41.69 -1.71 1.55	38.68 -1.22 0.77	34.03 -1.43 0.36	31.27 -0.90 -0.08	28.55 -0.55 -0.40

MORTIMER_115KV_TB3 55949	28.90 -0.42 -1.29	24.52 -0.48 -1.11	24.30 -0.46 -0.44	24.21 -0.51 -0.39	24.16 -0.54 -0.30	25.89 -0.55 -0.31	29.50 -0.69 -0.32	30.78 -1.44 2.14	29.20 -1.35 1.61	30.50 -1.51 1.64	30.78 -0.94 1.89	31.60 -0.77 1.19	32.64 -0.98 1.35	36.09 -0.85 1.50	37.33 -1.24 1.58	40.66 -1.75 2.46	48.28 -2.10 2.23	54.18 -2.24 5.85	50.54 -1.41 2.12	42.29 -1.12 1.54	38.93 -0.85 0.89	34.28 -1.07 0.46	31.43 -0.71 -0.06	28.57 -0.40 -0.28
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.12 1.95 -2.76	31.13 2.14 -2.85	35.46 2.57 -3.03	37.46 3.09 0.00	36.73 3.12 -1.45	40.86 3.30 -3.90	33.37 3.36 3.60	33.10 3.39 3.85	42.57 3.64 -3.97	45.56 3.84 -3.27	41.31 4.02 2.85	49.41 4.53 0.00	57.98 5.37 0.00	68.38 6.10 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.25 3.58 0.00	39.96 3.40 -0.74	35.84 3.18 -0.59	34.25 2.75 -2.80
MUNSVILLE_WIND_PWR 323609	33.16 2.21 -2.92	28.17 1.77 -2.51	27.09 1.77 -0.99	26.91 1.70 -0.87	26.88 1.81 -0.67	28.87 2.04 -0.69	33.44 2.63 -0.95	41.27 3.37 -3.54	38.30 2.57 -3.57	41.04 2.79 -4.59	38.01 2.49 -1.91	36.64 2.35 -0.73	37.97 2.10 -0.91	42.15 2.50 -1.21	43.67 2.21 -1.31	50.00 2.42 -2.70	58.42 2.79 -3.01	77.25 3.86 -11.12	57.50 3.78 0.35	48.91 3.24 -0.72	43.57 3.01 0.11	38.43 2.47 -0.14	34.49 2.21 -0.20	31.34 1.86 -0.79
N SALMON___HYD 24042	27.02 -1.01 0.00	23.15 -0.74 0.00	23.57 -0.75 0.00	23.66 -0.68 0.00	23.75 -0.66 0.00	25.51 -0.63 0.00	29.18 -0.69 0.00	33.51 -0.86 0.00	31.29 -0.87 0.00	32.68 -0.98 0.00	32.53 -1.08 0.00	32.32 -1.24 0.00	32.59 -1.36 1.00	37.02 -1.42 0.00	33.79 -1.44 4.92	34.37 -1.66 8.85	45.35 -1.89 5.37	54.27 -2.05 5.95	48.42 -1.78 3.86	42.34 -0.90 1.72	39.55 -0.61 0.51	35.18 -0.64 0.00	31.28 -0.80 0.00	28.03 -0.66 0.00
N.AKRON___115KV_KNAPP 355671	28.93 -0.64 -1.54	24.52 -0.69 -1.33	24.17 -0.68 -0.52	24.07 -0.73 -0.46	23.98 -0.78 -0.35	25.67 -0.84 -0.37	29.18 -1.08 -0.39	30.09 -1.99 2.28	28.54 -1.90 1.72	29.71 -2.15 1.79	30.04 -1.61 1.96	31.11 -1.38 1.07	32.07 -1.68 1.22	35.55 -1.54 1.36	36.64 -2.09 1.43	39.44 -3.01 2.43	46.89 -3.63 2.10	52.05 -3.86 6.36	49.50 -2.54 2.03	41.41 -1.98 1.56	38.32 -1.50 0.85	33.64 -1.76 0.43	30.96 -1.19 -0.07	28.36 -0.66 -0.33
N.BELMOR_69_KV_BK1 55787	85.80 2.86 -54.91	71.93 2.36 -45.68	54.85 2.46 -28.07	44.51 2.36 -17.81	43.72 2.32 -17.00	44.83 2.51 -16.18	40.03 2.96 -7.21	44.32 3.54 -6.41	47.89 3.51 -12.23	60.89 3.70 -23.53	65.41 3.73 -28.07	66.62 3.79 -29.27	66.42 3.95 -27.51	66.70 4.23 -24.03	70.27 4.46 -25.66	71.20 5.03 -21.30	73.71 6.10 -14.99	75.52 6.91 -6.34	75.78 5.62 -16.09	70.53 4.36 -21.22	69.27 4.11 -24.49	67.90 3.87 -28.21	65.14 3.56 -29.49	63.83 3.07 -32.07
N.E_GEN_SANDY PD 24062	45.90 1.80 -16.07	45.62 1.51 -20.23	34.87 1.53 -9.01	31.60 1.51 -5.75	30.80 1.49 -4.91	31.00 1.59 -3.27	35.18 1.85 -3.47	36.50 2.13 0.00	35.87 2.03 -1.69	38.96 2.16 -3.15	35.56 1.95 0.00	35.57 2.01 0.00	37.06 2.10 0.00	40.77 2.15 -0.18	42.52 2.37 0.00	47.57 2.69 0.00	55.83 3.21 0.00	66.07 3.80 0.00	60.02 3.19 -2.76	47.80 2.56 -0.29	42.78 2.40 0.29	38.81 2.11 -0.88	34.73 1.96 -0.70	33.80 1.78 -3.33
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	41.61 2.05 -11.53	35.52 1.70 -9.94	30.04 1.80 -3.92	29.49 1.70 -3.45	28.72 1.66 -2.65	30.65 1.78 -2.74	34.87 2.09 -2.91	36.88 2.51 0.00	36.06 2.51 -1.39	35.54 2.63 0.74	36.33 2.72 0.00	36.31 2.75 0.00	37.93 2.97 0.00	40.58 3.08 0.94	43.40 3.25 0.00	48.60 3.72 0.00	57.09 4.47 0.00	67.32 5.04 0.00	58.02 3.95 0.00	47.96 3.01 0.00	43.56 2.89 0.00	39.29 2.76 -0.71	35.27 2.63 -0.56	33.63 2.27 -2.67
N.QUEENS_27_KV_LOAD 356247	42.79 2.75 -12.01	36.43 2.20 -10.34	30.71 2.31 -4.08	30.07 2.14 -3.59	29.22 2.05 -2.76	31.16 2.17 -2.85	35.49 2.60 -3.03	37.56 3.20 0.00	36.89 3.28 -1.45	40.96 3.40 -3.90	41.13 3.56 -3.95	41.41 3.62 -4.23	42.65 3.81 -3.87	45.64 4.00 -3.21	44.35 4.18 -0.03	49.37 4.49 0.00	57.98 5.37 0.00	68.31 6.04 0.00	58.76 4.70 0.01	48.64 3.69 0.00	44.25 3.58 0.00	40.29 3.73 -0.74	36.07 3.40 -0.59	34.59 3.10 -2.80
N.TROY___115KV_TB1 355778	44.98 1.49 -15.46	38.50 1.29 -13.32	30.86 1.29 -5.25	30.23 1.27 -4.63	29.26 1.29 -3.56	31.19 1.39 -3.67	35.35 1.58 -3.90	36.12 1.75 0.00	35.72 1.67 -1.89	38.58 1.72 -3.21	35.12 1.51 0.00	35.10 1.54 0.00	36.61 1.64 0.00	40.15 1.61 -0.10	42.00 1.85 0.00	46.99 2.11 0.00	55.09 2.47 0.00	65.32 3.05 0.00	56.88 2.81 0.00	47.29 2.34 0.00	42.87 2.20 0.00	38.61 1.83 -0.96	34.48 1.64 -0.76	33.78 1.46 -3.63
NARROWS_GT1_1 24228	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT1_2 24229	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT1_3 24230	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT1_4 24231	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT1_5 24232	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02

NARROWS_GT1_6 24233	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT1_7 24234	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT1_8 24235	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_1 24236	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_2 24237	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_3 24238	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_4 24239	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_5 24240	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_6 24241	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_7 24242	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NARROWS_GT2_8 24243	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.19 2.24 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.64 2.78 -3.00	37.72 3.30 -0.06	43.27 3.41 -7.71	41.14 3.57 -3.91	41.26 3.70 -3.95	41.54 3.76 -4.23	64.59 3.98 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.17 5.03 -0.07	48.86 3.91 0.00	44.54 3.87 0.00	40.58 3.80 -0.96	43.10 3.50 -7.52	34.72 3.01 -3.02
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	43.66 1.32 -14.31	37.34 1.12 -12.33	30.30 1.12 -4.86	29.74 1.12 -4.29	28.89 1.20 -3.29	30.79 1.25 -3.40	34.91 1.43 -3.61	35.91 1.55 0.00	35.13 1.22 -1.75	37.95 1.41 -2.88	34.89 1.28 0.00	34.73 1.17 0.00	36.29 1.33 0.00	39.96 1.46 -0.06	41.72 1.57 0.00	46.67 1.80 0.00	54.72 2.10 0.00	65.20 2.93 0.00	56.99 2.92 0.00	47.60 2.65 0.00	43.11 2.44 0.00	38.39 1.68 -0.89	34.13 1.35 -0.70	33.26 1.20 -3.36
NCHELSEA_115KV_TR2 355582	42.21 2.24 -11.94	36.02 1.84 -10.29	30.28 1.90 -4.06	29.71 1.80 -3.58	28.93 1.78 -2.75	30.88 1.91 -2.84	35.15 2.27 -3.01	37.05 2.68 0.00	36.29 2.67 -1.46	38.76 2.86 -2.24	36.50 2.89 0.00	36.45 2.89 0.00	38.07 3.11 0.00	41.75 3.31 0.00	43.68 3.53 0.00	48.92 4.04 0.00	57.41 4.79 0.00	67.88 5.60 0.00	58.61 4.54 0.00	48.55 3.60 0.00	44.05 3.38 0.00	39.61 3.04 -0.74	35.46 2.79 -0.59	33.88 2.38 -2.81
NEG CAPITAL___MECHNVIL 23645	45.54 1.85 -15.66	38.98 1.60 -13.50	31.18 1.53 -5.32	30.56 1.53 -4.69	29.57 1.56 -3.61	31.55 1.70 -3.72	35.81 2.00 -3.95	36.60 2.23 0.00	36.17 2.09 -1.92	39.05 2.16 -3.24	35.53 1.91 0.00	35.51 1.95 0.00	37.06 2.10 0.00	40.57 2.04 -0.10	42.44 2.29 0.00	47.53 2.65 0.00	55.72 3.10 0.00	66.20 3.93 0.00	57.75 3.68 0.00	48.10 3.15 0.00	43.60 2.93 0.00	39.31 2.51 -0.99	35.01 2.15 -0.78	34.23 1.81 -3.73
NEG CENTRAL_HIGH_ACRES 23767	28.48 -0.78 -1.24	24.19 -0.77 -1.06	23.97 -0.78 -0.42	23.86 -0.85 -0.37	23.86 -0.83 -0.28	25.54 -0.89 -0.29	29.16 -1.02 -0.31	31.07 -1.55 1.75	29.33 -1.54 1.29	30.68 -1.68 1.30	30.77 -1.28 1.56	31.33 -1.21 1.02	32.51 -1.29 1.16	35.96 -1.19 1.29	37.23 -1.57 1.36	40.74 -2.06 2.08	48.23 -2.47 1.92	54.87 -2.61 4.79	50.44 -1.73 1.89	42.18 -1.44 1.33	38.62 -1.26 0.79	34.02 -1.40 0.41	31.08 -1.06 -0.06	28.18 -0.77 -0.27



NEG CENTRAL___DRP 24199	29.30 -0.06 -1.33	24.91 -0.12 -1.14	24.63 -0.15 -0.45	24.54 -0.19 -0.40	24.54 -0.17 -0.31	26.29 -0.16 -0.32	30.35 -0.12 -0.61	33.55 -0.14 0.68	31.42 -0.32 0.41	33.13 -0.34 0.19	32.72 -0.24 0.66	33.36 -0.20 0.00	34.71 -0.31 -0.06	38.48 -0.19 -0.24	40.06 -0.40 -0.31	44.36 -0.54 -0.02	53.65 -0.53 -1.56	60.95 -0.44 0.89	53.11 -0.22 0.74	44.38 -0.31 0.25	40.33 -0.16 0.17	35.46 -0.36 0.00	32.09 -0.13 -0.13	28.92 -0.09 -0.32
NEG CENTRAL___INDECK 23768	30.22 0.36 -1.82	25.63 0.17 -1.57	25.12 0.17 -0.62	24.96 0.07 -0.55	24.90 0.07 -0.42	26.73 0.16 -0.43	30.48 0.15 -0.46	31.25 -0.51 2.60	29.25 -0.87 2.04	30.39 -1.08 2.19	30.72 -0.81 2.08	31.95 -0.84 0.77	33.23 -0.87 0.86	35.65 -1.88 0.91	36.89 -2.33 0.93	40.00 -2.78 2.10	48.28 -3.21 1.12	51.60 -3.30 7.37	50.25 -2.05 1.76	42.02 -1.35 1.59	38.92 -1.02 0.73	34.15 -1.32 0.35	32.22 0.06 -0.08	29.26 0.20 -0.37
NEG CENTRAL___SENECA 23627	29.50 0.00 -1.47	25.03 -0.12 -1.26	24.70 -0.12 -0.50	24.58 -0.19 -0.44	24.57 -0.17 -0.34	26.35 -0.13 -0.35	30.29 -0.09 -0.52	32.23 -0.31 1.83	30.25 -0.51 1.39	31.70 -0.57 1.39	31.69 -0.44 1.49	32.72 -0.37 0.47	33.93 -0.52 0.50	37.59 -0.38 0.47	39.14 -0.64 0.37	42.88 -0.90 1.10	51.78 -0.89 -0.06	56.94 -0.81 4.52	52.46 -0.38 1.23	43.58 -0.45 0.93	39.96 -0.24 0.47	35.13 -0.50 0.19	32.00 -0.19 -0.11	28.91 -0.11 -0.34
NEG CENTRAL___STATE_STREET 24147	29.40 0.06 -1.32	25.00 -0.02 -1.14	24.75 -0.02 -0.45	24.68 -0.05 -0.39	24.66 -0.05 -0.30	26.45 0.00 -0.31	30.62 0.06 -0.70	35.51 0.24 -0.91	33.20 0.06 -0.98	35.30 0.13 -1.51	34.15 0.17 -0.37	34.22 0.23 -0.42	35.70 0.17 -0.56	39.56 0.27 -0.85	41.33 0.16 -1.02	46.45 0.13 -1.43	55.80 0.21 -2.97	67.00 0.44 -4.29	54.18 0.32 0.21	45.67 0.18 -0.54	41.00 0.24 -0.08	36.05 0.07 -0.15	32.40 0.16 -0.16	29.14 0.11 -0.33
NEG MILLWOOD___DRP 24198	42.57 2.44 -12.10	36.30 1.98 -10.43	30.46 2.02 -4.11	29.91 1.95 -3.62	29.12 1.93 -2.79	31.05 2.04 -2.87	35.40 2.48 -3.05	37.32 2.96 0.00	36.59 2.96 -1.47	39.69 3.16 -2.87	36.87 3.26 0.00	36.85 3.29 0.00	38.49 3.53 0.00	42.37 3.73 -0.20	44.13 3.98 0.00	49.41 4.53 0.00	57.88 5.26 0.00	68.44 6.16 0.00	59.15 5.08 0.00	48.95 4.00 0.00	44.41 3.74 0.00	39.94 3.37 -0.75	35.72 3.05 -0.59	34.11 2.58 -2.84
NEG NORTH_FLCN_SEA 23793	27.47 -0.56 0.00	23.55 -0.33 0.00	23.96 -0.36 0.00	24.02 -0.32 0.00	24.28 -0.12 0.00	26.08 -0.05 0.00	29.80 -0.06 0.00	34.27 -0.10 0.00	32.00 -0.16 0.00	33.42 -0.24 0.00	33.21 -0.40 0.00	32.92 -0.64 0.00	33.05 -0.84 1.07	37.52 -0.92 0.00	36.43 -1.00 2.72	38.81 -1.17 4.90	48.10 -1.21 3.31	59.83 -1.12 1.33	52.34 -0.87 0.86	44.66 0.09 0.38	40.84 0.28 0.11	35.93 0.11 0.00	31.95 -0.13 0.00	28.69 0.00 0.00
NEG NORTH_KES_CHATEGAY 23792	27.16 -0.87 0.00	23.27 -0.62 0.00	23.67 -0.66 0.00	23.75 -0.58 0.00	23.84 -0.56 0.00	25.61 -0.52 0.00	29.24 -0.63 0.00	33.54 -0.82 0.00	31.36 -0.80 0.00	32.75 -0.91 0.00	32.57 -1.04 0.00	32.35 -1.21 0.00	32.58 -1.33 1.05	37.02 -1.42 0.00	35.41 -1.49 3.26	37.31 -1.71 5.86	46.96 -1.84 3.81	57.89 -1.93 2.45	50.91 -1.57 1.59	43.48 -0.76 0.71	39.89 -0.57 0.21	35.28 -0.54 0.00	31.41 -0.67 0.00	28.15 -0.55 0.00
NEG NORTH___ALICE_FALLS 23915	27.44 -0.59 0.00	23.53 -0.36 0.00	23.94 -0.39 0.00	24.00 -0.34 0.00	24.23 -0.17 0.00	26.03 -0.10 0.00	29.77 -0.09 0.00	34.20 -0.17 0.00	31.93 -0.23 0.00	33.36 -0.30 0.00	33.14 -0.47 0.00	32.89 -0.67 0.00	33.06 -0.84 1.07	37.52 -0.92 0.00	36.34 -1.00 2.81	38.66 -1.17 5.05	48.02 -1.21 3.39	59.65 -1.12 1.50	52.23 -0.87 0.98	44.61 0.09 0.44	40.79 0.24 0.13	35.93 0.11 0.00	31.92 -0.16 0.00	28.66 -0.03 0.00
NEG NORTH___LWR_SARANAC 23913	27.44 -0.59 0.00	23.53 -0.36 0.00	23.94 -0.39 0.00	24.00 -0.34 0.00	24.23 -0.17 0.00	26.03 -0.10 0.00	29.77 -0.09 0.00	34.20 -0.17 0.00	31.93 -0.23 0.00	33.36 -0.30 0.00	33.14 -0.47 0.00	32.89 -0.67 0.00	33.06 -0.84 1.07	37.52 -0.92 0.00	36.34 -1.00 2.81	38.66 -1.17 5.05	48.02 -1.21 3.39	59.65 -1.12 1.50	52.23 -0.87 0.98	44.61 0.09 0.44	40.79 0.24 0.13	35.93 0.11 0.00	31.92 -0.16 0.00	28.66 -0.03 0.00
NEG NORTH___PLATTSBURG 23628	27.44 -0.59 0.00	23.53 -0.36 0.00	23.93 -0.39 0.00	24.00 -0.34 0.00	24.23 -0.17 0.00	26.03 -0.10 0.00	29.77 -0.09 0.00	34.20 -0.17 0.00	31.94 -0.22 0.00	33.36 -0.30 0.00	33.14 -0.47 0.00	32.89 -0.67 0.00	33.06 -0.84 1.07	37.52 -0.92 0.00	36.34 -1.00 2.81	38.66 -1.17 5.05	48.02 -1.21 3.39	59.70 -1.06 1.51	52.22 -0.87 0.98	44.61 0.09 0.44	40.87 0.32 0.13	35.93 0.11 0.00	31.92 -0.16 0.00	28.66 -0.03 0.00
NEG WEST_LEA_LOCKPORT 23791	28.50 -1.12 -1.59	24.19 -1.07 -1.37	23.77 -1.09 -0.54	23.67 -1.14 -0.48	23.55 -1.22 -0.37	25.21 -1.31 -0.38	28.59 -1.67 -0.40	29.31 -2.75 2.31	27.88 -2.54 1.74	29.00 -2.83 1.83	29.35 -2.29 1.98	30.46 -2.05 1.05	31.39 -2.38 1.19	34.81 -2.31 1.33	35.86 -2.89 1.40	38.55 -3.90 2.42	45.75 -4.79 2.07	50.51 -5.29 6.47	48.22 -3.84 2.01	40.33 -3.06 1.56	37.39 -2.44 0.84	32.90 -2.51 0.42	30.32 -1.83 -0.07	27.85 -1.18 -0.34
NEG WEST___LANCASTR 23811	28.17 -1.74 -1.88	23.91 -1.60 -1.62	23.33 -1.63 -0.64	23.22 -1.68 -0.56	23.08 -1.76 -0.43	24.73 -1.86 -0.45	28.10 -2.24 -0.47	30.28 -1.75 2.34	28.50 -1.90 1.76	29.84 -1.99 1.83	28.80 -2.82 1.98	30.13 -2.58 0.84	31.19 -2.83 0.94	34.62 -2.81 1.02	35.78 -3.33 1.03	38.61 -4.17 2.09	46.36 -4.89 1.36	50.26 -5.60 6.41	47.90 -4.33 1.84	39.68 -3.73 1.54	36.69 -3.21 0.77	32.27 -3.19 0.36	29.69 -2.47 -0.08	27.11 -1.98 -0.40
NEG_PENN_ALLEGHNY 23528	31.66 0.25 -3.38	26.95 0.14 -2.91	25.62 0.15 -1.15	25.47 0.12 -1.01	25.28 0.10 -0.78	27.10 0.16 -0.80	31.08 0.18 -1.03	35.82 0.62 -0.83	33.80 0.48 -1.16	35.83 0.54 -1.63	34.69 0.50 -0.57	34.80 0.54 -0.70	36.36 0.53 -0.87	40.24 0.65 -1.15	42.05 0.48 -1.42	47.29 0.49 -1.92	56.49 0.63 -3.24	66.87 0.81 -3.79	54.24 0.60 0.43	45.25 0.40 0.11	40.89 0.37 0.14	36.20 0.25 -0.13	32.60 0.32 -0.20	29.79 0.29 -0.81
NEG___GEN_MONROE 24207	29.11 -0.22 -1.30	24.72 -0.29 -1.12	24.47 -0.29 -0.44	24.36 -0.37 -0.39	24.29 -0.41 -0.30	26.03 -0.42 -0.31	29.65 -0.54 -0.33	30.91 -1.31 2.15	29.23 -1.32 1.61	30.53 -1.48 1.65	30.78 -0.94 1.89	31.64 -0.74 1.18	32.61 -1.01 1.34	36.06 -0.88 1.49	37.30 -1.28 1.57	40.53 -1.88 2.46	48.13 -2.26 2.23	54.03 -2.37 5.87	50.60 -1.35 2.12	42.33 -1.08 1.54	39.01 -0.77 0.88	34.39 -0.97 0.46	31.50 -0.64 -0.06	28.74 -0.23 -0.28
NEPA___ENERGY 23901	29.01 -0.93 -1.90	24.62 -0.91 -1.64	24.07 -0.90 -0.65	23.96 -0.95 -0.57	23.82 -1.02 -0.44	25.52 -1.07 -0.45	29.00 -1.34 -0.48	30.33 -1.72 2.32	28.71 -1.70 1.75	29.93 -1.92 1.82	29.79 -1.85 1.98	31.09 -1.64 0.83	32.18 -1.85 0.93	35.71 -1.73 1.00	36.93 -2.21 1.01	39.98 -2.83 2.07	47.98 -3.31 1.32	52.17 -3.74 6.36	49.42 -2.81 1.83	40.94 -2.47 1.53	37.87 -2.03 0.76	33.35 -2.11 0.36	30.63 -1.54 -0.08	27.95 -1.15 -0.40

NEVERSINK___HYD 23608	39.87 1.37 -10.47	33.98 1.08 -9.02	29.00 1.12 -3.56	28.52 1.05 -3.13	27.84 1.02 -2.41	29.72 1.10 -2.49	33.88 1.37 -2.65	36.02 1.65 0.00	35.15 1.70 -1.29	37.08 1.85 -1.57	35.53 1.91 0.00	35.47 1.91 0.00	36.99 2.03 0.00	40.50 2.19 0.13	42.52 2.37 0.00	47.62 2.74 0.00	55.88 3.26 0.00	66.13 3.86 0.00	57.09 3.03 0.00	47.29 2.34 0.00	42.62 1.95 0.00	38.27 1.79 -0.66	34.21 1.60 -0.52	32.50 1.32 -2.49
NEWKRMKL_115KV_TB1 55635	44.37 1.01 -15.33	37.96 0.86 -13.21	30.43 0.90 -5.21	29.83 0.90 -4.59	28.89 0.95 -3.53	30.75 0.97 -3.64	34.81 1.08 -3.87	35.54 1.17 0.00	35.16 1.13 -1.87	38.01 1.18 -3.17	34.75 1.14 0.00	34.70 1.14 0.00	36.22 1.26 0.00	39.73 1.19 -0.10	41.52 1.37 0.00	46.45 1.57 0.00	54.35 1.74 0.00	64.39 2.12 0.00	55.96 1.89 0.00	46.57 1.62 0.00	42.21 1.55 0.00	38.10 1.33 -0.95	34.02 1.19 -0.75	33.32 1.03 -3.60
NEWTON___FALLS_HYD 23847	26.74 -1.54 -0.26	22.84 -1.27 -0.22	23.12 -1.29 -0.09	23.25 -1.17 -0.08	23.34 -1.12 -0.06	25.05 -1.15 -0.06	28.88 -1.19 -0.21	33.00 -1.44 -0.07	30.75 -1.51 -0.11	32.30 -1.58 -0.22	31.93 -1.68 0.00	31.71 -1.91 -0.07	32.35 -2.13 0.48	36.34 -2.27 -0.17	31.39 -2.37 6.39	30.62 -2.65 11.61	43.52 -3.10 5.99	48.48 -3.55 10.25	44.04 -2.97 7.05	39.75 -2.20 2.99	37.89 -1.91 0.87	34.19 -1.68 -0.06	30.48 -1.64 -0.04	27.37 -1.38 -0.06
NGRID_A1_DSASP 323792	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.35 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.36 -3.68 2.33	27.03 -3.35 1.79	28.03 -3.74 1.89	28.54 -3.09 1.98	29.39 -3.12 1.05	30.56 -3.22 1.19	33.85 -3.27 1.32	34.82 -3.93 1.39	37.29 -5.16 2.43	44.21 -6.32 2.10	48.66 -6.97 6.64	47.03 -5.03 2.01	39.47 -3.91 1.57	36.37 -3.46 0.84	32.14 -3.26 0.42	29.62 -2.53 -0.07	27.16 -1.86 -0.33
NGRID_A2_DSASP 323793	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.35 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.36 -3.68 2.33	27.03 -3.35 1.79	28.03 -3.74 1.89	28.54 -3.09 1.98	29.39 -3.12 1.05	30.56 -3.22 1.19	33.85 -3.27 1.32	34.82 -3.93 1.39	37.29 -5.16 2.43	44.21 -6.32 2.10	48.66 -6.97 6.64	47.03 -5.03 2.01	39.47 -3.91 1.57	36.37 -3.46 0.84	32.14 -3.26 0.42	29.62 -2.53 -0.07	27.16 -1.86 -0.33
NGRID_A4_DSASP 323807	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.35 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.36 -3.68 2.33	27.03 -3.35 1.79	28.03 -3.74 1.89	28.54 -3.09 1.98	29.39 -3.12 1.05	30.56 -3.22 1.19	33.85 -3.27 1.32	34.82 -3.93 1.39	37.29 -5.16 2.43	44.21 -6.32 2.10	48.66 -6.97 6.64	47.03 -5.03 2.01	39.47 -3.91 1.57	36.37 -3.46 0.84	32.14 -3.26 0.42	29.62 -2.53 -0.07	27.16 -1.86 -0.33
NIAGARA_115E_LBMP 323715	28.15 -1.51 -1.63	23.88 -1.41 -1.41	23.47 -1.41 -0.55	23.34 -1.49 -0.49	23.24 -1.54 -0.38	24.88 -1.65 -0.39	28.19 -2.09 -0.41	28.71 -3.33 2.33	27.32 -3.06 1.78	28.38 -3.40 1.89	28.78 -2.86 1.98	29.70 -2.82 1.04	30.89 -2.90 1.18	34.25 -3.28 1.31	35.20 -3.57 1.38	37.70 -4.76 2.42	44.77 -5.79 2.06	49.23 -6.41 6.63	47.53 -4.54 2.00	39.79 -3.60 1.57	36.74 -3.09 0.83	32.43 -2.97 0.42	29.87 -2.28 -0.07	27.36 -1.66 -0.33
NIAGARA_115W_LBMP 323714	27.89 -1.77 -1.62	23.71 -1.58 -1.40	23.30 -1.58 -0.55	23.19 -1.63 -0.49	23.07 -1.71 -0.37	24.67 -1.86 -0.39	27.88 -2.39 -0.41	28.25 -3.78 2.33	26.93 -3.44 1.79	27.97 -3.80 1.89	28.47 -3.16 1.99	29.32 -3.19 1.05	30.48 -3.29 1.19	33.77 -3.34 1.32	34.70 -4.05 1.40	37.15 -5.30 2.43	44.10 -6.42 2.10	48.54 -7.10 6.63	46.86 -5.19 2.02	39.33 -4.05 1.57	36.25 -3.58 0.84	32.03 -3.37 0.42	29.55 -2.60 -0.07	27.07 -1.95 -0.33
NIAGARA_230_LBMP 323716	28.20 -1.43 -1.60	23.95 -1.31 -1.38	23.55 -1.31 -0.54	23.45 -1.36 -0.48	23.33 -1.44 -0.37	24.97 -1.54 -0.38	28.30 -1.97 -0.40	28.81 -3.23 2.33	27.45 -2.93 1.78	28.52 -3.26 1.88	28.93 -2.69 1.99	29.87 -2.62 1.07	31.02 -2.73 1.21	34.36 -2.73 1.35	35.36 -3.37 1.42	37.94 -4.49 2.45	45.00 -5.47 2.14	49.57 -6.10 6.61	47.76 -4.27 2.04	40.00 -3.37 1.58	36.85 -2.97 0.85	32.56 -2.83 0.43	30.00 -2.15 -0.07	27.47 -1.55 -0.33
NIAGARA___115KV_198_GIBSON 55903	27.89 -1.77 -1.62	23.71 -1.58 -1.40	23.30 -1.58 -0.55	23.19 -1.63 -0.49	23.07 -1.71 -0.37	24.67 -1.86 -0.39	27.88 -2.39 -0.41	28.22 -3.81 2.33	26.93 -3.47 1.76	28.01 -3.80 1.85	28.46 -3.16 2.00	29.56 -2.95 1.05	30.42 -3.36 1.19	33.69 -3.42 1.32	34.70 -4.06 1.40	37.33 -5.12 2.43	44.20 -6.31 2.10	49.75 -5.98 6.54	46.65 -5.41 2.02	39.11 -4.27 1.57	36.29 -3.54 0.84	32.00 -3.40 0.42	29.52 -2.63 -0.07	27.14 -1.89 -0.35
NIAGARA____ 23760	28.23 -1.43 -1.63	23.98 -1.31 -1.40	23.56 -1.31 -0.55	23.46 -1.36 -0.49	23.34 -1.44 -0.37	24.98 -1.54 -0.39	28.30 -1.97 -0.41	28.81 -3.23 2.33	27.45 -2.93 1.78	28.51 -3.26 1.88	28.94 -2.69 1.98	29.89 -2.62 1.05	31.04 -2.73 1.19	34.38 -2.73 1.33	35.38 -3.37 1.40	37.95 -4.49 2.44	45.03 -5.47 2.12	49.56 -6.10 6.61	47.77 -4.27 2.02	40.00 -3.37 1.58	36.86 -2.97 0.84	32.57 -2.83 0.42	30.00 -2.15 -0.07	27.47 -1.55 -0.33
NINE_MILE_1 23575	27.83 -0.84 -0.64	23.72 -0.72 -0.55	23.79 -0.75 -0.22	23.77 -0.75 -0.19	23.79 -0.76 -0.15	25.45 -0.84 -0.15	26.64 -0.96 2.27	22.05 -1.03 11.29	22.14 -1.03 8.99	22.04 -1.08 10.55	22.83 -1.01 9.77	23.18 -1.01 9.37	22.90 -1.05 11.02	23.93 -1.15 13.36	23.46 -1.25 15.44	22.67 -1.44 20.77	22.00 -1.69 28.93	21.66 -1.93 38.68	36.16 -1.62 16.28	30.82 -1.39 12.74	32.10 -1.22 7.35	30.27 -1.15 4.40	30.70 -0.96 0.42	28.00 -0.83 -0.15
NINE_MILE_2 23744	27.83 -0.84 -0.63	23.72 -0.72 -0.55	23.79 -0.75 -0.22	23.77 -0.75 -0.19	23.79 -0.76 -0.15	25.45 -0.84 -0.15	26.60 -0.96 2.31	21.91 -1.03 11.43	22.02 -1.03 9.11	21.90 -1.08 10.68	22.74 -0.98 9.90	23.09 -0.97 9.49	22.76 -1.05 11.16	23.76 -1.15 13.53	23.26 -1.25 15.64	22.40 -1.44 21.04	21.62 -1.69 29.31	21.16 -1.93 39.19	35.95 -1.62 16.50	30.65 -1.39 12.91	32.00 -1.22 7.45	30.25 -1.11 4.46	30.69 -0.96 0.43	28.00 -0.83 -0.15
NM_CAPITAL___DRP 24208	44.40 1.07 -15.30	37.98 0.91 -13.19	30.47 0.95 -5.20	29.87 0.95 -4.58	28.90 0.98 -3.52	30.79 1.02 -3.63	34.86 1.13 -3.86	35.61 1.24 0.00	35.22 1.19 -1.87	38.08 1.25 -3.17	34.79 1.18 0.00	34.73 1.17 0.00	36.26 1.29 0.00	39.81 1.27 -0.10	41.56 1.41 0.00	46.49 1.62 0.00	54.41 1.79 0.00	64.45 2.18 0.00	56.01 1.95 0.00	46.61 1.66 0.00	42.26 1.59 0.00	38.13 1.36 -0.95	34.05 1.22 -0.75	33.37 1.09 -3.59
NM_CENTRAL___DRP 24181	28.67 -0.25 -0.89	24.41 -0.24 -0.77	24.36 -0.27 -0.30	24.31 -0.29 -0.27	24.32 -0.29 -0.20	26.03 -0.31 -0.21	30.03 -0.30 -0.46	33.13 -0.38 0.86	31.20 -0.42 0.54	32.88 -0.40 0.37	32.37 -0.34 0.91	32.59 -0.27 0.70	33.80 -0.38 0.77	37.25 -0.38 0.80	38.67 -0.48 1.00	42.86 -0.58 1.43	51.00 -0.68 0.93	59.44 -0.75 2.09	52.56 -0.43 1.08	44.01 -0.45 0.49	39.97 -0.37 0.33	35.30 -0.39 0.13	31.92 -0.22 -0.06	28.67 -0.20 -0.18

NM_FRONTIER___DRP 24179	27.89 -1.77 -1.62	23.71 -1.58 -1.40	23.30 -1.58 -0.55	23.19 -1.63 -0.49	23.07 -1.71 -0.37	24.67 -1.86 -0.39	27.88 -2.39 -0.41	28.22 -3.81 2.33	26.93 -3.47 1.76	28.01 -3.80 1.85	28.46 -3.16 2.00	29.56 -2.95 1.05	30.42 -3.36 1.19	33.69 -3.42 1.32	34.70 -4.06 1.40	37.33 -5.12 2.43	44.20 -6.31 2.10	49.75 -5.98 6.54	46.65 -5.41 2.02	39.11 -4.27 1.57	36.29 -3.54 0.84	32.00 -3.40 0.42	29.52 -2.63 -0.07	27.14 -1.89 -0.35
NM_ST_REGIS___HYD 24053	26.40 -1.63 0.00	22.60 -1.29 0.00	23.01 -1.31 0.00	23.10 -1.24 0.00	23.21 -1.20 0.00	24.91 -1.23 0.00	28.56 -1.37 -0.07	32.65 -1.72 0.00	30.49 -1.67 0.00	31.88 -1.78 0.00	31.73 -1.88 0.00	31.55 -2.01 0.00	31.94 -2.13 0.89	36.21 -2.23 0.00	28.99 -2.33 8.83	26.40 -2.60 15.88	40.52 -3.05 9.05	44.56 -3.61 14.10	41.79 -3.14 9.15	38.66 -2.20 4.09	37.55 -1.91 1.20	34.17 -1.65 0.00	30.41 -1.67 0.00	27.23 -1.46 0.00
NORTHPORT___1 23551	85.96 3.03 -54.91	72.07 2.51 -45.68	54.95 2.55 -28.07	44.61 2.46 -17.81	43.77 2.37 -17.00	44.88 2.56 -16.18	40.18 3.13 -7.18	44.52 3.75 -6.41	48.13 3.73 -12.24	61.17 3.97 -23.54	65.65 3.96 -28.07	66.46 3.63 -29.27	66.50 3.85 -27.69	66.39 4.07 -23.88	71.26 4.30 -26.81	72.27 4.75 -22.64	75.20 5.68 -16.89	77.50 6.54 -8.69	77.86 5.24 -18.55	71.85 4.05 -22.85	70.29 3.94 -25.68	68.37 3.69 -28.86	65.30 3.69 -29.53	64.19 3.27 -32.23
NORTHPORT___2 23552	85.96 3.03 -54.91	72.07 2.51 -45.68	54.95 2.55 -28.07	44.61 2.46 -17.81	43.77 2.37 -17.00	44.88 2.56 -16.18	40.18 3.13 -7.18	44.52 3.75 -6.41	48.13 3.73 -12.24	61.17 3.97 -23.54	65.65 3.96 -28.07	66.46 3.63 -29.27	66.50 3.85 -27.69	66.39 4.07 -23.88	71.26 4.30 -26.81	72.27 4.75 -22.64	75.20 5.68 -16.89	77.50 6.54 -8.69	77.86 5.24 -18.55	71.85 4.05 -22.85	70.29 3.94 -25.68	68.37 3.69 -28.86	65.30 3.69 -29.53	64.19 3.27 -32.23
NORTHPORT___3 23553	85.40 2.47 -54.91	71.62 2.05 -45.68	54.46 2.07 -28.07	44.12 1.97 -17.81	43.31 1.90 -17.00	44.39 2.06 -16.18	39.52 2.48 -7.18	43.76 2.99 -6.41	47.45 3.06 -12.24	60.46 3.26 -23.54	64.87 3.19 -28.06	66.45 3.63 -29.26	65.77 3.85 -26.96	65.77 4.00 -23.33	66.56 4.21 -22.19	66.89 4.75 -17.26	67.32 5.47 -9.23	67.62 6.11 0.76	67.62 4.87 -8.68	65.44 4.18 -16.31	65.44 3.87 -20.90	65.77 3.51 -26.44	64.55 2.95 -29.52	63.44 2.53 -32.22
NORTHPORT___4 23650	85.40 2.47 -54.91	71.62 2.05 -45.68	54.46 2.07 -28.07	44.12 1.97 -17.81	43.31 1.90 -17.00	44.39 2.06 -16.18	39.52 2.48 -7.18	43.76 2.99 -6.41	47.45 3.06 -12.24	60.46 3.26 -23.54	64.87 3.19 -28.06	66.45 3.63 -29.26	65.77 3.85 -26.96	65.77 4.00 -23.33	66.56 4.21 -22.19	66.89 4.75 -17.26	67.32 5.47 -9.23	67.62 6.11 0.76	67.62 4.87 -8.68	65.44 4.18 -16.31	65.44 3.87 -20.90	65.77 3.51 -26.44	64.55 2.95 -29.52	63.44 2.53 -32.22
NORTHPORT___IC 23718	85.99 3.06 -54.91	72.07 2.51 -45.68	54.95 2.55 -28.07	44.61 2.46 -17.81	43.77 2.37 -17.00	44.88 2.56 -16.18	40.21 3.14 -7.21	44.56 3.78 -6.41	48.15 3.76 -12.23	61.16 3.97 -23.53	65.68 4.00 -28.07	66.42 3.59 -29.27	66.50 3.85 -27.69	66.39 4.07 -23.88	71.26 4.30 -26.81	72.23 4.71 -22.64	75.19 5.68 -16.89	77.50 6.54 -8.69	77.97 5.35 -18.55	71.89 4.09 -22.85	70.29 3.94 -25.68	68.29 3.65 -28.82	65.26 3.69 -29.49	64.03 3.27 -32.07
NORTH___COUNTRY_ESR 323785	27.11 -0.92 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.68 -0.66 0.00	23.77 -0.63 0.00	25.54 -0.60 0.00	29.15 -0.72 0.00	33.47 -0.89 0.00	31.29 -0.87 0.00	32.68 -0.98 0.00	32.53 -1.08 0.00	32.32 -1.24 0.00	32.55 -1.36 1.05	36.94 -1.50 0.00	35.32 -1.57 3.27	37.19 -1.80 5.89	46.80 -2.00 3.82	57.67 -2.12 2.48	50.72 -1.73 1.61	43.34 -0.90 0.72	39.81 -0.65 0.21	35.14 -0.68 0.00	31.31 -0.77 0.00	28.06 -0.63 0.00
NPX_GEN_1385_PROXY 323591	76.49 2.24 -46.22	58.16 1.84 -32.43	48.42 1.85 -22.25	44.00 1.85 -17.81	43.16 1.76 -17.00	43.04 1.83 -15.07	39.79 2.75 -7.18	43.97 3.20 -6.41	47.48 3.09 -12.24	51.00 3.16 -14.18	46.00 3.03 -9.36	47.52 2.72 -11.24	49.00 2.87 -11.17	51.00 3.00 -9.56	58.82 3.17 -15.50	65.21 3.50 -16.83	72.94 4.21 -16.11	76.13 5.17 -8.69	76.94 4.33 -18.55	70.97 2.88 -23.14	64.30 2.77 -20.86	54.00 2.69 -15.49	42.89 2.79 -8.02	41.89 2.44 -10.76
NPX_GEN_CSC 323557	86.08 3.14 -54.91	72.14 2.58 -45.68	54.97 2.58 -28.07	44.63 2.48 -17.81	43.74 2.34 -17.00	44.86 2.53 -16.18	40.09 3.05 -7.18	44.45 3.68 -6.41	48.19 3.79 -12.24	61.30 4.10 -23.54	65.96 4.27 -28.08	67.17 4.26 -29.35	73.43 4.65 -33.82	105.87 5.15 -62.28	111.07 5.30 -65.62	118.57 5.79 -67.90	140.72 6.79 -81.32	158.43 8.04 -88.12	162.07 6.54 -101.46	128.27 5.17 -78.15	111.18 5.00 -65.51	89.68 4.62 -49.24	65.65 4.04 -29.53	64.39 3.47 -32.23
NSINS_S_GLNS_FALLS 23858	45.55 1.74 -15.78	39.01 1.53 -13.60	31.10 1.41 -5.36	30.45 1.39 -4.72	29.52 1.49 -3.63	31.48 1.59 -3.75	35.79 1.94 -3.98	36.57 2.20 0.00	36.15 2.06 -1.93	38.95 2.05 -3.24	35.26 1.65 0.00	35.24 1.68 0.00	36.82 1.85 0.00	40.11 1.58 -0.09	41.92 1.77 0.00	46.99 2.11 0.00	55.09 2.47 0.00	65.57 3.30 0.00	57.53 3.46 0.00	48.05 3.10 0.00	43.72 3.05 0.00	39.38 2.58 -0.98	34.97 2.12 -0.77	34.08 1.69 -3.70
NUCOR_STEEL___DRP 24197	29.38 0.08 -1.26	25.00 0.02 -1.09	24.75 0.00 -0.43	24.69 -0.02 -0.38	24.67 -0.02 -0.29	26.44 0.00 -0.30	30.60 0.03 -0.71	35.61 0.21 -1.03	33.27 0.03 -1.08	35.36 0.07 -1.63	34.19 0.10 -0.47	34.23 0.17 -0.50	35.72 0.10 -0.65	39.56 0.15 -0.97	41.34 0.04 -1.15	46.56 0.04 -1.64	55.96 0.11 -3.24	67.33 0.31 -4.74	54.41 0.22 -0.13	45.84 0.09 -0.79	41.07 0.16 -0.23	36.10 0.04 -0.24	32.37 0.13 -0.17	29.13 0.11 -0.32
NUMBER_THREE_WT_PWR 323818	27.74 -0.64 -0.35	23.66 -0.53 -0.30	23.96 -0.49 -0.12	24.15 -0.29 -0.11	24.26 -0.22 -0.08	26.01 -0.21 -0.08	30.07 -0.06 -0.26	34.39 -0.07 -0.09	32.00 -0.29 -0.13	33.59 -0.34 -0.27	33.17 -0.44 0.00	32.80 -0.84 -0.08	33.77 -1.08 0.11	37.41 -1.23 -0.20	36.36 -1.25 2.54	38.74 -1.44 4.70	49.00 -1.63 1.98	56.67 -1.68 3.93	49.81 -1.24 3.01	42.91 -0.90 1.14	39.65 -0.69 0.32	35.28 -0.61 -0.07	31.52 -0.61 -0.05	28.43 -0.34 -0.08
NYISO_LBMP_REFERENCE 24008	28.03 0.00 0.00	23.89 0.00 0.00	24.32 0.00 0.00	24.34 0.00 0.00	24.40 0.00 0.00	26.14 0.00 0.00	29.86 0.00 0.00	34.37 0.00 0.00	32.16 0.00 0.00	33.66 0.00 0.00	33.61 0.00 0.00	33.56 0.00 0.00	34.96 0.00 0.00	38.44 0.00 0.00	40.15 0.00 0.00	44.88 0.00 0.00	52.62 0.00 0.00	62.27 0.00 0.00	54.07 0.00 0.00	44.95 0.00 0.00	40.67 0.00 0.00	35.82 0.00 0.00	32.08 0.00 0.00	28.69 0.00 0.00
NYPA_BRENTWD____GT 24164	86.38 3.45 -54.91	72.43 2.87 -45.68	55.26 2.87 -28.07	44.92 2.77 -17.81	44.06 2.66 -17.00	45.20 2.88 -16.18	40.51 3.46 -7.18	44.90 4.12 -6.41	48.55 4.15 -12.24	61.61 4.41 -23.54	66.19 4.51 -28.07	67.21 4.36 -29.29	68.42 4.61 -28.84	76.33 4.96 -32.93	79.45 5.22 -34.08	81.38 5.38 -31.12	88.00 6.42 -28.97	93.26 7.41 -23.58	94.21 6.05 -34.09	82.83 4.72 -33.16	78.74 4.88 -33.20	73.01 4.51 -32.68	65.81 4.20 -29.53	64.60 3.67 -32.23

NYPA_GOWANUS____GT5 24156	42.86	36.47	30.75	30.19	29.32	31.29	35.64	37.72	43.27	41.14	41.23	41.54	64.59	45.84	48.95	49.74	89.77	68.74	59.11	48.86	44.49	40.58	43.07	34.72
	2.78	2.22	2.34	2.24	2.15	2.30	2.78	3.30	3.41	3.57	3.66	3.76	3.98	4.19	4.34	4.80	5.74	6.42	4.97	3.91	3.82	3.80	3.47	3.01
	-12.06	-10.36	-4.09	-3.61	-2.77	-2.85	-3.00	-0.06	-7.71	-3.91	-3.95	-4.23	-25.65	-3.21	-4.46	-0.06	-31.42	-0.06	-0.07	0.00	0.00	-0.96	-7.52	-3.02
NYPA_GOWANUS____GT6 24157	42.86	36.47	30.75	30.19	29.32	31.29	35.64	37.72	43.27	41.14	41.23	41.54	64.59	45.84	48.95	49.74	89.77	68.74	59.11	48.86	44.49	40.58	43.07	34.72
	2.78	2.22	2.34	2.24	2.15	2.30	2.78	3.30	3.41	3.57	3.66	3.76	3.98	4.19	4.34	4.80	5.74	6.42	4.97	3.91	3.82	3.80	3.47	3.01
	-12.06	-10.36	-4.09	-3.61	-2.77	-2.85	-3.00	-0.06	-7.71	-3.91	-3.95	-4.23	-25.65	-3.21	-4.46	-0.06	-31.42	-0.06	-0.07	0.00	0.00	-0.96	-7.52	-3.02
NYPA_HARLEM__RVR__GT1 24160	42.71	36.38	30.66	30.02	29.14	31.10	35.37	37.42	36.80	40.87	41.02	41.30	42.50	45.52	43.87	49.18	57.77	68.06	58.44	48.36	44.08	40.19	36.00	34.63
	2.66	2.15	2.26	2.09	1.98	2.12	2.51	3.06	3.18	3.30	3.46	3.52	3.67	3.88	3.98	4.31	5.16	5.79	4.38	3.41	3.42	3.58	3.30	2.98
	-12.01	-10.34	-4.08	-3.59	-2.76	-2.85	-2.99	0.01	-1.45	-3.91	-3.94	-4.22	-3.87	-3.20	0.26	0.01	0.01	0.01	0.01	0.01	0.01	-0.78	-0.62	-2.96
NYPA_HARLEM__RVR__GT2 24161	42.71	36.38	30.66	30.02	29.14	31.10	35.37	37.42	36.80	40.87	41.02	41.30	42.50	45.52	43.87	49.18	57.77	68.06	58.44	48.36	44.08	40.19	36.00	34.63
	2.66	2.15	2.26	2.09	1.98	2.12	2.51	3.06	3.18	3.30	3.46	3.52	3.67	3.88	3.98	4.31	5.16	5.79	4.38	3.41	3.42	3.58	3.30	2.98
	-12.01	-10.34	-4.08	-3.59	-2.76	-2.85	-2.99	0.01	-1.45	-3.91	-3.94	-4.22	-3.87	-3.20	0.26	0.01	0.01	0.01	0.01	0.01	0.01	-0.78	-0.62	-2.96
NYPA_KENT____GT 24152	42.76	36.43	30.70	30.11	29.27	31.23	35.58	37.67	41.01	41.11	41.19	41.48	30.23	45.72	48.26	49.58	76.18	68.53	58.92	48.68	44.37	40.43	40.09	34.64
	2.69	2.20	2.29	2.17	2.10	2.25	2.72	3.27	3.38	3.53	3.63	3.69	3.88	4.07	4.21	4.67	5.57	6.23	4.81	3.73	3.70	3.73	3.43	2.96
	-12.03	-10.35	-4.09	-3.60	-2.77	-2.85	-3.00	-0.03	-5.47	-3.91	-3.95	-4.23	8.62	-3.21	-3.89	-0.03	-17.99	-0.03	-0.04	0.00	0.00	-0.89	-4.57	-2.99
NYPA_POUCH1____GT 24155	42.78	36.40	30.68	30.16	29.30	31.26	35.56	37.58	43.15	41.04	41.12	41.45	64.49	45.72	48.83	49.60	89.61	68.62	59.01	48.73	44.41	40.47	43.00	34.63
	2.69	2.15	2.26	2.21	2.12	2.27	2.69	3.16	3.28	3.47	3.56	3.66	3.88	4.07	4.21	4.67	5.57	6.29	4.87	3.78	3.74	3.69	3.40	2.93
	-12.06	-10.36	-4.09	-3.61	-2.77	-2.85	-3.00	-0.06	-7.71	-3.91	-3.95	-4.23	-25.65	-3.21	-4.46	-0.06	-31.42	-0.06	-0.07	0.00	0.00	-0.96	-7.52	-3.02
NYPA_VERNON____GT2 24162	42.68	36.38	30.64	30.05	29.19	31.18	35.56	37.57	38.71	41.04	41.12	41.41	39.48	45.64	47.61	49.47	62.65	68.39	58.77	48.59	44.29	40.25	37.07	34.56
	2.63	2.15	2.24	2.12	2.02	2.20	2.69	3.20	3.31	3.47	3.56	3.63	3.81	4.00	4.14	4.58	5.47	6.11	4.70	3.64	3.62	3.62	3.37	2.90
	-12.01	-10.34	-4.08	-3.60	-2.76	-2.85	-3.00	-0.01	-3.24	-3.91	-3.95	-4.23	-0.71	-3.21	-3.33	-0.01	-4.56	-0.01	0.00	0.00	0.00	-0.81	-1.62	-2.97
NYPA_VERNON____GT3 24163	42.68	36.38	30.64	30.05	29.19	31.18	35.56	37.57	38.71	41.04	41.12	41.41	39.48	45.64	47.61	49.47	62.65	68.39	58.77	48.59	44.29	40.25	37.07	34.56
	2.63	2.15	2.24	2.12	2.02	2.20	2.69	3.20	3.31	3.47	3.56	3.63	3.81	4.00	4.14	4.58	5.47	6.11	4.70	3.64	3.62	3.62	3.37	2.90
	-12.01	-10.34	-4.08	-3.60	-2.76	-2.85	-3.00	-0.01	-3.24	-3.91	-3.95	-4.23	-0.71	-3.21	-3.33	-0.01	-4.56	-0.01	0.00	0.00	0.00	-0.81	-1.62	-2.97
NYPA____ASTORIA_CC1 323568	42.61	36.35	30.59	30.02	29.17	31.13	35.46	37.50	37.75	40.94	41.06	41.31	42.54	45.53	47.30	49.32	57.93	68.19	58.55	48.46	44.17	40.19	36.00	34.52
	2.58	2.13	2.19	2.09	2.00	2.14	2.60	3.13	3.25	3.37	3.50	3.52	3.70	3.88	4.01	4.44	5.31	5.92	4.49	3.51	3.50	3.58	3.30	2.87
	-12.00	-10.34	-4.08	-3.59	-2.76	-2.85	-3.00	0.00	-2.34	-3.91	-3.95	-4.23	-3.87	-3.21	-3.13	0.00	0.00	0.00	0.01	0.00	0.00	-0.78	-0.62	-2.96
NYPA____ASTORIA_CC2 323569	42.61	36.35	30.59	30.02	29.17	31.13	35.46	37.50	37.75	40.94	41.06	41.31	42.54	45.53	47.30	49.32	57.93	68.19	58.55	48.46	44.17	40.19	36.00	34.52
	2.58	2.13	2.19	2.09	2.00	2.14	2.60	3.13	3.25	3.37	3.50	3.52	3.70	3.88	4.01	4.44	5.31	5.92	4.49	3.51	3.50	3.58	3.30	2.87
	-12.00	-10.34	-4.08	-3.59	-2.76	-2.85	-3.00	0.00	-2.34	-3.91	-3.95	-4.23	-3.87	-3.21	-3.13	0.00	0.00	0.00	0.01	0.00	0.00	-0.78	-0.62	-2.96
NYPA____HOLTSVILL 23794	86.13	72.21	55.07	44.71	43.87	44.99	40.24	44.62	48.29	61.34	65.93	67.07	73.07	105.70	109.99	117.37	139.16	156.33	160.00	126.56	110.32	88.94	65.59	64.39
	3.19	2.65	2.68	2.55	2.46	2.67	3.20	3.85	3.89	4.14	4.24	4.16	4.41	4.73	4.94	5.43	6.42	7.41	6.00	4.76	4.59	4.26	3.98	3.47
	-54.91	-45.68	-28.07	-17.81	-17.00	-16.18	-7.18	-6.41	-12.24	-23.54	-28.08	-29.35	-33.70	-62.53	-64.90	-67.06	-80.12	-86.65	-99.93	-76.85	-65.06	-48.86	-29.53	-32.23
NYPA____HELLGATE_GT1 24158	42.71	36.38	30.66	30.02	29.14	31.10	35.37	37.42	36.80	40.87	41.02	41.27	42.50	45.48	44.44	49.18	57.77	68.06	58.44	48.36	44.08	40.19	36.00	34.63
	2.66	2.15	2.26	2.09	1.98	2.12	2.51	3.06	3.18	3.30	3.46	3.49	3.67	3.84	3.98	4.31	5.16	5.79	4.38	3.41	3.42	3.58	3.30	2.98
	-12.01	-10.34	-4.08	-3.59	-2.76	-2.85	-2.99	0.01	-1.45	-3.91	-3.94	-4.22	-3.87	-3.20	-0.31	0.01	0.01	0.01	0.01	0.01	0.01	-0.78	-0.62	-2.96
NYPA____HELLGATE_GT2 24159	42.71	36.38	30.66	30.02	29.14	31.10	35.37	37.42	36.80	40.87	41.02	41.27	42.50	45.48	44.44	49.18	57.77	68.06	58.44	48.36	44.08	40.19	36.00	34.63
	2.66	2.15	2.26	2.09	1.98	2.12	2.51	3.06	3.18	3.30	3.46	3.49	3.67	3.84	3.98	4.31	5.16	5.79	4.38	3.41	3.42	3.58	3.30	2.98
	-12.01	-10.34	-4.08	-3.59	-2.76	-2.85	-2.99	0.01	-1.45	-3.91	-3.94	-4.22	-3.87	-3.20	-0.31	0.01	0.01	0.01	0.01	0.01	0.01	-0.78	-0.62	-2.96
NYS_BARGE____HYD 23848	28.52	24.18	23.79	23.69	23.57	25.23	28.62	29.35	27.89	29.01	29.36	30.29	31.46	34.92	35.90	38.51	45.70	50.45	48.54	40.60	37.43	33.00	30.38	27.78
	-1.09	-1.07	-1.07	-1.12	-1.20	-1.28	-1.64	-2.72	-2.51	-2.79	-2.29	-2.22	-2.31	-2.19	-2.85	-3.95	-4.84	-5.29	-3.51	-2.79	-2.40	-2.40	-1.76	-1.23
	-1.58	-1.36	-0.54	-0.47	-0.36	-0.38	-0.40	2.30	1.76	1.86	1.96	1.06	1.20	1.33	1.41	2.42	2.08	6.53	2.01	1.56	0.84	0.42	-0.07	-0.32
OAK ORCHARD____HYD 24046	28.90	24.52	24.30	24.21	24.16	25.87	29.50	30.85	29.22	30.48	30.75	31.47	32.67	36.09	37.33	40.61	48.23	54.12	50.65	42.43	38.93	34.28	31.43	28.53
	-0.42	-0.48	-0.46	-0.51	-0.54	-0.58	-0.69	-1.38	-1.32	-1.51	-0.98	-0.90	-0.94	-0.85	-1.25	-1.80	-2.16	-2.24	-1.30	-0.99	-0.86	-1.07	-0.71	-0.43
	-1.29	-1.11	-0.44	-0.39	-0.30	-0.31	-0.32	2.14	1.62	1.67	1.88	1.19	1.35	1.50	1.58	2.47	2.23	5.91	2.12	1.54	0.89	0.46	-0.06	-0.27

OAKDALE___35_KV_LOAD 356122	31.53 0.17 -3.33	26.83 0.07 -2.87	25.53 0.07 -1.13	25.38 0.05 -1.00	25.22 0.05 -0.77	26.98 0.05 -0.79	30.97 0.09 -1.01	35.64 0.52 -0.75	33.60 0.39 -1.05	35.59 0.44 -1.49	34.51 0.40 -0.50	34.63 0.44 -0.64	36.18 0.42 -0.79	40.00 0.50 -1.06	41.84 0.32 -1.37	47.05 0.31 -1.85	56.25 0.42 -3.21	66.46 0.50 -3.69	54.08 0.32 0.31	45.37 0.18 -0.24	40.80 0.16 0.03	36.11 0.07 -0.21	32.54 0.19 -0.26	29.75 0.17 -0.89
OCC_CHEM___DRP 24175	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.34 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.32 -3.71 2.33	27.02 -3.38 1.76	28.08 -3.74 1.85	28.52 -3.09 2.00	29.63 -2.89 1.05	30.52 -3.25 1.19	33.81 -3.31 1.32	34.78 -3.98 1.39	37.42 -5.03 2.43	44.31 -6.21 2.10	49.81 -5.92 6.55	46.76 -5.30 2.01	39.20 -4.18 1.57	36.37 -3.46 0.84	32.07 -3.33 0.42	29.62 -2.53 -0.07	27.23 -1.81 -0.35
OH_GEN_PROXY 24063	28.24 -1.40 -1.61	23.96 -1.31 -1.39	23.56 -1.31 -0.55	23.46 -1.36 -0.48	23.33 -1.44 -0.37	24.98 -1.54 -0.38	28.33 -1.94 -0.41	28.88 -3.16 2.32	27.49 -2.89 1.78	28.59 -3.20 1.87	28.97 -2.66 1.99	29.91 -2.58 1.07	31.09 -2.66 1.21	34.40 -2.69 1.35	35.44 -3.29 1.42	38.08 -4.35 2.45	45.16 -5.31 2.14	49.77 -5.92 6.59	47.87 -4.16 2.04	40.38 -3.28 1.29	36.60 -2.93 1.14	32.60 -2.79 0.43	30.03 -2.12 -0.07	27.47 -1.55 -0.33
OLIN_CORP_DRP 24177	28.19 -1.49 -1.64	23.92 -1.39 -1.42	23.50 -1.39 -0.56	23.39 -1.44 -0.49	23.27 -1.51 -0.38	24.91 -1.62 -0.39	28.25 -2.03 -0.41	28.74 -3.30 2.33	27.38 -3.02 1.76	28.48 -3.33 1.85	28.87 -2.76 1.99	30.01 -2.52 1.03	30.89 -2.90 1.17	34.26 -2.88 1.30	35.25 -3.53 1.37	37.84 -4.62 2.41	44.99 -5.58 2.05	49.49 -6.23 6.56	47.43 -4.65 1.99	39.65 -3.73 1.57	36.79 -3.05 0.83	32.44 -2.97 0.41	29.91 -2.25 -0.07	27.49 -1.55 -0.35
OLIN_CORP_DSASP 323712	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.35 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.36 -3.68 2.33	27.03 -3.35 1.79	28.03 -3.74 1.89	28.54 -3.09 1.98	29.39 -3.12 1.05	30.56 -3.22 1.19	33.85 -3.27 1.32	34.82 -3.93 1.39	37.29 -5.16 2.43	44.21 -6.32 2.10	48.66 -6.97 6.64	47.03 -5.03 2.01	39.47 -3.91 1.57	36.37 -3.46 0.84	32.14 -3.26 0.42	29.62 -2.53 -0.07	27.16 -1.86 -0.33
ONEIDA_HERK_LFGE 323681	28.58 0.25 -0.30	24.34 0.19 -0.26	24.65 0.22 -0.10	24.72 0.29 -0.09	24.82 0.34 -0.07	26.60 0.39 -0.07	30.60 0.57 -0.17	35.10 0.69 -0.05	32.75 0.51 -0.08	34.36 0.54 -0.16	34.08 0.47 0.00	33.87 0.27 -0.04	35.10 0.14 0.01	38.70 0.15 -0.10	39.23 0.16 1.09	43.04 0.18 2.02	52.00 0.16 0.78	60.95 0.44 1.76	53.23 0.54 1.38	44.94 0.50 0.51	41.02 0.49 0.14	36.26 0.39 -0.05	32.43 0.32 -0.03	29.08 0.32 -0.07
ONEIDA___115KV_TB4 55905	29.42 0.78 -0.61	25.03 0.62 -0.52	25.14 0.61 -0.21	25.13 0.61 -0.18	25.20 0.66 -0.14	27.01 0.73 -0.14	31.07 0.93 -0.28	35.49 1.17 0.05	33.18 0.93 -0.08	34.93 1.01 -0.26	34.24 0.97 0.34	34.23 0.91 0.23	35.52 0.80 0.25	39.18 0.96 0.23	40.47 0.96 0.64	44.80 0.99 1.07	53.45 1.21 0.38	63.44 1.62 0.45	54.67 1.57 0.96	45.92 1.26 0.29	41.64 1.18 0.20	36.75 0.97 0.04	33.00 0.87 -0.05	29.58 0.75 -0.14
ONONDAGA_REF_OCCRA 23987	28.73 -0.25 -0.95	24.47 -0.24 -0.82	24.38 -0.27 -0.32	24.31 -0.32 -0.29	24.33 -0.29 -0.22	26.05 -0.31 -0.23	30.07 -0.33 -0.53	33.35 -0.38 0.64	31.39 -0.42 0.36	33.12 -0.40 0.14	32.58 -0.30 0.73	32.77 -0.27 0.52	34.06 -0.35 0.56	37.57 -0.35 0.53	39.11 -0.40 0.64	43.44 -0.49 0.94	51.81 -0.58 0.23	60.46 -0.62 1.19	52.88 -0.38 0.81	44.29 -0.40 0.25	40.13 -0.33 0.21	35.41 -0.36 0.06	31.94 -0.22 -0.08	28.69 -0.20 -0.20
ONONDAGA___COGEN 23986	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.19 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.35 -0.13 -0.83	33.51 -0.10 0.00	33.77 -0.03 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.75 -0.16 -0.76	45.61 -0.22 -0.96	55.02 -0.21 -2.62	64.50 -0.19 -2.41	53.92 -0.22 -0.07	45.33 -0.22 -0.61	40.72 -0.16 -0.22	35.82 -0.21 -0.22	32.13 -0.10 -0.15	28.86 -0.09 -0.26
ONTARIO___LFGE 23819	29.50 0.00 -1.47	25.03 -0.12 -1.26	24.70 -0.12 -0.50	24.58 -0.20 -0.44	24.57 -0.17 -0.34	26.35 -0.13 -0.35	30.29 -0.09 -0.52	32.19 -0.34 1.83	30.24 -0.52 1.40	31.68 -0.57 1.41	31.70 -0.44 1.47	32.62 -0.47 0.47	33.94 -0.52 0.50	37.63 -0.35 0.47	39.11 -0.64 0.39	42.81 -0.94 1.12	51.67 -0.95 0.00	56.80 -0.81 4.67	52.48 -0.32 1.27	43.57 -0.36 1.02	39.93 -0.24 0.50	35.06 -0.54 0.22	31.88 -0.29 -0.09	28.86 -0.14 -0.31
ORANGEVILLE_WT_PWR 323706	29.15 -0.84 -1.96	24.74 -0.84 -1.69	24.14 -0.85 -0.67	24.03 -0.90 -0.59	23.88 -0.98 -0.45	25.61 -0.99 -0.47	29.11 -1.25 -0.50	29.85 -2.03 2.49	28.26 -1.96 1.93	29.48 -2.12 2.06	29.62 -1.95 2.04	30.90 -1.91 0.75	32.14 -1.99 0.83	35.64 -1.92 0.88	36.76 -2.49 0.90	39.51 -3.32 2.05	47.60 -3.89 1.13	50.93 -4.30 7.05	49.39 -2.92 1.76	40.96 -2.43 1.56	37.82 -2.12 0.73	33.33 -2.15 0.34	30.62 -1.54 -0.08	27.94 -1.15 -0.39
ORANGEVILLE___ESR 323794	29.15 -0.84 -1.96	24.74 -0.84 -1.69	24.14 -0.85 -0.67	24.03 -0.90 -0.59	23.88 -0.98 -0.45	25.61 -0.99 -0.47	29.11 -1.25 -0.50	29.85 -2.03 2.49	28.26 -1.96 1.93	29.48 -2.12 2.06	29.62 -1.95 2.04	30.90 -1.91 0.75	32.14 -1.99 0.83	35.64 -1.92 0.88	36.76 -2.49 0.90	39.51 -3.32 2.05	47.60 -3.89 1.13	50.93 -4.30 7.05	49.39 -2.92 1.76	40.96 -2.43 1.56	37.82 -2.12 0.73	33.33 -2.15 0.34	30.62 -1.54 -0.08	27.94 -1.15 -0.39
OSWEGATCHIE___HYD 24044	26.74 -1.54 -0.26	22.84 -1.27 -0.22	23.12 -1.29 -0.09	23.25 -1.17 -0.08	23.34 -1.12 -0.06	25.05 -1.15 -0.06	28.88 -1.20 -0.21	33.03 -1.41 -0.07	30.75 -1.51 -0.10	32.30 -1.58 -0.22	31.93 -1.68 0.00	31.71 -1.91 -0.07	32.35 -2.13 0.48	36.34 -2.27 -0.17	31.38 -2.37 6.40	30.62 -2.65 11.61	43.52 -3.10 6.00	48.42 -3.55 10.30	44.02 -2.97 7.08	39.72 -2.25 2.98	37.89 -1.91 0.87	34.20 -1.68 -0.06	30.49 -1.63 -0.04	27.37 -1.38 -0.06
OSWEGO___5 23606	28.13 -0.64 -0.74	23.98 -0.55 -0.64	23.99 -0.58 -0.25	23.97 -0.58 -0.22	23.99 -0.59 -0.17	25.66 -0.65 -0.18	31.15 -0.72 -2.00	38.91 -0.72 -5.27	35.84 -0.74 -4.42	38.66 -0.77 -5.77	37.06 -0.71 -4.16	37.25 -0.71 -4.40	39.52 -0.74 -5.29	44.37 -0.81 -6.74	47.41 -0.92 -8.18	54.84 -1.08 -11.04	68.40 -1.26 -17.04	82.02 -1.43 -21.18	59.88 -1.24 -7.05	50.21 -1.03 -6.29	43.09 -0.93 -3.35	37.03 -0.86 -2.07	31.75 -0.71 -0.37	28.23 -0.63 -0.17
OSWEGO___6 23613	28.13 -0.64 -0.74	23.98 -0.55 -0.64	23.99 -0.58 -0.25	23.97 -0.58 -0.22	23.99 -0.59 -0.17	25.66 -0.65 -0.18	31.15 -0.72 -2.00	38.91 -0.72 -5.27	35.84 -0.74 -4.42	38.66 -0.77 -5.77	37.06 -0.71 -4.16	37.25 -0.71 -4.40	39.52 -0.74 -5.29	44.37 -0.81 -6.74	47.41 -0.92 -8.18	54.84 -1.08 -11.04	68.40 -1.26 -17.04	82.02 -1.43 -21.18	59.88 -1.24 -7.05	50.21 -1.03 -6.29	43.09 -0.93 -3.35	37.03 -0.86 -2.07	31.75 -0.71 -0.37	28.23 -0.63 -0.17

OUTOKUMPU-AB___DRP 24206	28.65 -1.04 -1.66	24.31 -1.00 -1.43	23.89 -1.00 -0.56	23.79 -1.05 -0.50	23.66 -1.12 -0.38	25.30 -1.23 -0.39	28.67 -1.61 -0.42	29.45 -2.58 2.34	28.02 -2.38 1.76	29.14 -2.66 1.86	29.47 -2.15 1.99	30.63 -1.91 1.02	31.57 -2.24 1.16	35.04 -2.11 1.28	36.07 -2.73 1.36	38.80 -3.68 2.40	46.01 -4.58 2.03	51.02 -4.67 6.58	48.46 -3.62 1.98	40.46 -2.92 1.57	37.52 -2.32 0.83	33.01 -2.40 0.41	30.42 -1.73 -0.07	27.90 -1.15 -0.35
OXBOW___BTM 323836	28.27 -1.40 -1.64	24.01 -1.29 -1.42	23.59 -1.29 -0.56	23.49 -1.34 -0.49	23.37 -1.42 -0.38	24.98 -1.54 -0.39	28.28 -2.00 -0.42	28.87 -3.16 2.34	27.48 -2.89 1.79	28.53 -3.23 1.89	28.97 -2.66 1.98	29.91 -2.62 1.03	31.10 -2.69 1.17	34.48 -2.65 1.30	35.44 -3.33 1.37	37.97 -4.49 2.42	45.03 -5.52 2.06	49.52 -6.10 6.65	47.80 -4.27 2.00	40.06 -3.33 1.57	36.91 -2.93 0.83	32.57 -2.83 0.42	30.00 -2.15 -0.07	27.48 -1.55 -0.34
OXBOW___ 24026	28.30 -1.37 -1.64	24.01 -1.29 -1.42	23.59 -1.29 -0.56	23.49 -1.34 -0.49	23.37 -1.42 -0.38	24.98 -1.54 -0.39	28.28 -2.00 -0.41	28.87 -3.16 2.34	27.50 -2.89 1.76	28.57 -3.23 1.85	29.00 -2.62 1.99	30.11 -2.42 1.03	31.03 -2.76 1.17	34.41 -2.73 1.30	35.44 -3.33 1.37	38.11 -4.35 2.42	45.14 -5.42 2.06	50.42 -5.29 6.56	47.58 -4.49 2.00	39.83 -3.55 1.57	36.91 -2.93 0.83	32.51 -2.90 0.41	30.00 -2.15 -0.07	27.55 -1.49 -0.35
OXY_CHEM_DSASP 323612	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.34 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.32 -3.71 2.33	27.02 -3.38 1.76	28.08 -3.74 1.85	28.52 -3.09 2.00	29.63 -3.25 1.05	30.52 -3.31 1.19	33.81 -3.98 1.32	34.78 -3.98 1.39	37.42 -5.03 2.43	44.31 -6.21 2.10	49.81 -5.92 6.55	46.76 -5.30 2.01	39.20 -4.18 1.57	36.37 -3.46 0.84	32.07 -3.33 0.42	29.62 -2.53 -0.07	27.23 -1.81 -0.35
OZONE_PARK_ESR 323760	42.86 2.83 -12.00	36.57 2.34 -10.34	30.81 2.41 -4.08	30.19 2.26 -3.59	29.36 2.20 -2.76	31.39 2.40 -2.85	35.79 2.90 -3.03	37.87 3.51 0.00	37.12 3.51 -1.45	41.26 3.70 -3.90	41.24 3.80 -3.83	41.52 3.86 -4.10	42.85 4.13 -3.76	45.95 4.38 -3.13	47.81 4.62 -3.04	50.04 5.16 0.00	58.77 6.16 0.00	69.25 6.97 0.00	59.58 5.51 0.00	49.31 4.36 0.00	44.78 4.11 0.00	40.43 3.87 -0.74	36.26 3.59 -0.59	34.62 3.13 -2.80
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.34 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.32 -3.71 2.33	27.02 -3.38 1.76	28.08 -3.74 1.85	28.52 -3.09 2.00	29.63 -3.25 1.05	30.52 -3.31 1.19	33.81 -3.98 1.32	34.78 -3.98 1.39	37.42 -5.03 2.43	44.31 -6.21 2.10	49.81 -5.92 6.55	46.76 -5.30 2.01	39.20 -4.18 1.57	36.37 -3.46 0.84	32.07 -3.33 0.42	29.62 -2.53 -0.07	27.23 -1.81 -0.35
PACKARD__115KV_DUPONT_184 80571	27.95 -1.71 -1.63	23.76 -1.53 -1.40	23.34 -1.53 -0.55	23.24 -1.58 -0.49	23.12 -1.66 -0.37	24.72 -1.80 -0.39	27.95 -2.33 -0.41	28.32 -3.71 2.33	27.02 -3.38 1.76	28.08 -3.74 1.85	28.52 -3.09 2.00	29.63 -3.25 1.05	30.52 -3.31 1.19	33.81 -3.98 1.32	34.78 -3.98 1.39	37.42 -5.03 2.43	44.31 -6.21 2.10	49.81 -5.92 6.55	46.76 -5.30 2.01	39.20 -4.18 1.57	36.37 -3.46 0.84	32.07 -3.33 0.42	29.62 -2.53 -0.07	27.23 -1.81 -0.35
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	42.70 2.66 -12.01	36.38 2.15 -10.34	30.64 2.24 -4.08	30.00 2.07 -3.59	29.14 1.98 -2.76	31.08 2.09 -2.85	35.40 2.51 -3.03	37.43 3.06 0.00	36.76 3.15 -1.45	40.79 3.23 -3.90	40.92 3.36 -3.95	41.18 3.39 -4.23	42.40 3.57 -3.87	45.41 3.77 -3.21	44.07 3.89 -0.03	49.14 4.26 0.00	57.72 5.10 0.00	68.00 5.73 0.00	58.49 4.43 0.01	48.37 3.42 0.00	44.05 3.38 0.00	40.07 3.51 -0.74	35.94 3.27 -0.59	34.45 2.96 -2.80
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	43.12 3.08 -12.01	36.71 2.48 -10.34	30.98 2.58 -4.08	30.34 2.41 -3.59	29.49 2.32 -2.76	31.42 2.43 -2.85	35.76 2.87 -3.03	37.84 3.47 0.00	37.14 3.54 -1.45	41.23 3.67 -3.90	41.33 3.76 -3.95	41.58 3.79 -4.23	42.86 4.02 -3.87	45.91 4.27 -3.21	44.59 4.42 -0.03	49.72 4.85 0.00	58.41 5.79 0.00	68.81 6.54 0.00	59.25 5.19 0.01	49.04 4.09 0.00	44.61 3.94 0.00	40.57 4.01 -0.74	36.36 3.69 -0.59	34.79 3.30 -2.80
PATROON__115KV_TB1 80586	44.51 1.09 -15.39	38.10 0.96 -13.26	30.52 0.97 -5.23	29.92 0.97 -4.61	28.97 1.02 -3.54	30.84 1.05 -3.65	34.91 1.16 -3.88	35.64 1.27 0.00	35.26 1.22 -1.88	38.12 1.28 -3.18	34.86 1.24 0.00	34.80 1.24 0.00	36.33 1.36 0.00	39.88 1.35 -0.10	41.64 1.49 0.00	46.58 1.71 0.00	54.51 1.89 0.00	64.64 2.37 0.00	56.12 2.05 0.00	46.70 1.75 0.00	42.38 1.71 0.00	38.24 1.47 -0.95	34.12 1.28 -0.76	33.42 1.12 -3.61
PATTRSNVILLE___SOLAR 323815	45.62 1.35 -16.24	39.03 1.15 -13.99	30.96 1.12 -5.52	30.32 1.12 -4.86	29.29 1.15 -3.74	31.22 1.23 -3.86	35.39 1.43 -4.10	35.95 1.58 0.00	35.63 1.48 -1.99	38.45 1.48 -3.31	34.99 1.38 0.00	34.94 1.38 0.00	36.43 1.47 0.00	39.98 1.46 -0.08	41.76 1.61 0.00	46.76 1.88 0.00	54.83 2.21 0.00	65.08 2.80 0.00	56.72 2.65 0.00	47.24 2.29 0.00	42.82 2.15 0.00	38.70 1.86 -1.02	34.49 1.60 -0.81	33.89 1.35 -3.85
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	28.50 -1.35 -1.82	24.16 -1.29 -1.57	23.63 -1.31 -0.62	23.52 -1.36 -0.54	23.38 -1.44 -0.42	25.05 -1.52 -0.43	28.44 -1.88 -0.46	30.24 -1.75 2.37	28.57 -1.80 1.79	29.83 -1.92 1.91	29.27 -2.35 1.99	30.53 -2.11 0.92	31.54 -2.38 1.04	35.01 -2.27 1.16	36.16 -2.77 1.22	38.92 -3.64 2.32	46.41 -4.37 1.84	50.59 -4.92 6.76	48.51 -3.68 1.88	40.26 -3.15 1.55	37.24 -2.64 0.79	32.76 -2.69 0.37	30.14 -2.02 -0.08	27.53 -1.55 -0.39
PAWLING_115_KV_BK3_REV_LBMP_H 345028	42.57 2.44 -12.10	36.30 1.98 -10.43	30.46 2.02 -4.11	29.91 1.95 -3.62	29.12 1.93 -2.79	31.05 2.04 -2.87	35.40 2.48 -3.05	37.32 2.96 0.00	36.59 2.96 -1.47	39.69 3.16 -2.87	36.87 3.26 0.00	36.85 3.29 0.00	38.49 3.53 0.00	42.37 3.73 -0.20	44.13 3.98 0.00	49.41 4.53 0.00	57.88 5.26 0.00	68.44 6.16 0.00	59.15 5.08 0.00	48.95 4.00 0.00	44.41 3.74 0.00	39.94 3.37 -0.75	35.72 3.05 -0.59	34.11 2.58 -2.84
PEEKSKILL___ 23653	42.06 2.16 -11.87	35.91 1.79 -10.23	30.23 1.87 -4.03	29.67 1.78 -3.55	28.87 1.73 -2.73	30.84 1.88 -2.82	35.04 2.21 -2.96	36.98 2.61 0.00	36.27 2.67 -1.44	40.63 2.83 -4.14	36.50 2.89 0.00	36.51 2.95 0.00	38.07 3.11 0.00	42.33 3.27 -0.63	43.61 3.45 0.00	48.83 3.95 0.00	57.35 4.74 0.00	67.63 5.36 0.00	58.29 4.22 0.00	48.19 3.24 0.00	43.80 3.13 0.00	39.57 2.97 -0.77	35.45 2.76 -0.61	34.00 2.38 -2.93
PGE MADISON___WINDPWR 24146	33.16 2.21 -2.92	28.17 1.77 -2.51	27.09 1.77 -0.99	26.91 1.70 -0.87	26.88 1.81 -0.67	28.87 2.04 -0.69	33.44 2.63 -0.95	41.27 3.37 -3.54	38.30 2.57 -3.57	41.04 2.79 -4.59	38.01 2.49 -1.91	36.64 2.35 -0.73	37.97 2.10 -0.91	42.15 2.50 -1.21	43.67 2.21 -1.31	50.00 2.42 -2.70	58.42 2.79 -3.01	77.25 3.86 -11.12	57.50 3.78 0.35	48.91 3.24 -0.72	43.57 3.01 0.11	38.43 2.47 -0.14	34.49 2.21 -0.20	31.34 1.86 -0.79

PIERCEFIELD___HYD 23852	26.21 -1.82 0.00	22.45 -1.43 0.00	22.87 -1.46 0.00	22.95 -1.39 0.00	23.04 -1.37 0.00	24.73 -1.41 0.00	28.38 -1.55 -0.07	32.48 -1.92 -0.04	30.30 -1.90 -0.04	31.73 -2.02 -0.09	31.49 -2.12 0.00	31.34 -2.25 -0.03	31.77 -2.38 0.81	36.07 -2.46 -0.09	27.87 -2.57 9.71	24.49 -2.87 17.51	39.59 -3.42 9.61	42.40 -4.05 15.83	40.02 -3.57 10.48	37.74 -2.61 4.60	37.04 -2.28 1.35	33.91 -1.93 -0.02	30.17 -1.92 -0.01	27.00 -1.69 0.00
PINELAWN_CC_1 323563	86.08 3.14 -54.91	72.14 2.58 -45.68	55.02 2.63 -28.07	44.66 2.51 -17.81	43.82 2.42 -17.00	44.93 2.61 -16.18	40.18 3.13 -7.18	44.52 3.75 -6.41	48.16 3.76 -12.24	61.20 4.00 -23.54	65.78 4.10 -28.07	66.93 4.09 -29.28	67.23 4.33 -27.93	69.93 4.61 -26.88	73.35 4.86 -28.34	74.73 5.43 -24.42	78.52 6.47 -19.43	81.50 7.41 -11.82	81.94 6.05 -21.82	74.73 4.76 -25.02	72.48 4.55 -27.26	69.71 4.22 -29.66	65.46 3.85 -29.53	64.25 3.33 -32.23
PJM_GEN_HTTP_PROXY 323702	42.47 2.44 -12.00	36.26 2.03 -10.34	30.49 2.09 -4.08	29.93 2.00 -3.59	29.09 1.93 -2.76	31.08 2.09 -2.85	35.40 2.54 -3.00	37.39 3.03 0.00	36.71 3.09 -1.46	40.84 3.26 -3.92	40.67 3.36 -3.70	40.98 3.46 -3.96	42.23 3.64 -3.63	45.32 3.84 -3.04	47.14 4.05 -2.93	49.41 4.53 0.00	58.04 5.42 0.00	68.38 6.11 0.00	58.77 4.70 0.00	48.93 3.69 -0.29	43.88 3.50 0.29	39.97 3.37 -0.78	35.85 3.15 -0.62	34.32 2.67 -2.96
PJM_GEN_KEystone 24065	31.98 0.39 -3.56	29.73 0.26 -5.58	27.10 0.32 -2.46	25.73 0.24 -1.15	26.00 0.19 -1.40	26.24 0.21 0.10	27.90 0.24 2.20	30.00 0.07 4.44	31.80 0.13 0.49	33.17 0.17 0.66	33.30 0.24 0.55	33.89 0.30 -0.03	35.30 0.35 0.01	38.41 0.42 0.46	40.44 0.32 0.03	44.42 0.23 0.68	52.87 0.42 0.17	60.20 0.38 2.45	53.50 0.27 0.84	44.53 0.00 0.43	40.15 0.12 0.64	36.21 0.14 -0.25	32.74 0.35 -0.31	29.10 0.35 -0.06
PJM_GEN_NEPTUNE_PROXY 323594	65.68 2.61 -35.04	55.38 2.17 -29.32	43.50 2.21 -16.96	37.71 2.14 -11.23	36.88 2.07 -10.41	38.40 2.25 -10.01	37.80 2.69 -5.25	41.01 3.20 -3.44	42.62 3.22 -7.25	51.52 3.40 -14.46	52.29 3.46 -15.21	52.95 3.52 -15.86	53.51 3.70 -14.84	55.62 3.92 -13.25	58.07 4.14 -13.78	60.94 4.62 -11.44	66.19 5.52 -8.05	71.96 6.29 -3.40	67.68 4.97 -8.64	60.55 3.91 -11.69	57.27 3.74 -12.86	54.87 3.51 -15.54	51.50 3.27 -16.14	50.18 2.81 -18.68
PJM_GEN_VFT_PROXY 323633	42.33 2.30 -12.00	36.21 1.98 -10.34	30.44 2.04 -4.08	29.83 1.90 -3.59	29.00 1.83 -2.76	31.00 2.01 -2.85	35.32 2.45 -3.00	37.29 2.92 0.00	36.64 3.02 -1.46	40.71 3.13 -3.92	40.70 3.26 -3.83	40.98 3.32 -4.10	42.22 3.50 -3.76	45.26 3.69 -3.13	47.13 3.94 -3.04	49.28 4.40 0.00	57.88 5.26 0.00	68.12 5.85 0.00	58.55 4.49 0.00	48.70 3.46 -0.29	43.72 3.34 0.29	39.83 3.23 -0.78	35.78 3.08 -0.62	34.29 2.64 -2.96
PLATSBURG_115KV_PMLD1 355749	27.47 -0.56 0.00	23.53 -0.36 0.00	23.94 -0.39 0.00	24.02 -0.32 0.00	24.28 -0.12 0.00	26.06 -0.08 0.00	29.77 -0.09 0.00	34.23 -0.14 0.00	31.97 -0.19 0.00	33.39 -0.27 0.00	33.21 -0.40 0.00	32.89 -0.67 0.00	33.05 -0.84 1.07	37.48 -0.96 0.00	36.39 -1.04 2.72	38.77 -1.21 4.90	48.05 -1.26 3.31	59.77 -1.18 1.32	52.29 -0.92 0.86	44.61 0.04 0.38	40.80 0.24 0.11	35.89 0.07 0.00	31.92 -0.16 0.00	28.66 -0.03 0.00
PLEASANTVLY___LBMP 24000	42.62 1.99 -12.60	36.39 1.65 -10.85	30.31 1.70 -4.28	29.74 1.63 -3.77	28.89 1.59 -2.90	30.85 1.73 -2.99	35.07 2.03 -3.18	36.81 2.44 0.00	36.11 2.41 -1.53	39.35 2.56 -3.14	36.17 2.55 0.00	36.11 2.55 0.00	37.72 2.76 0.00	41.54 2.84 -0.26	43.16 3.01 0.00	48.29 3.41 0.00	56.67 4.05 0.00	66.94 4.67 0.00	57.80 3.73 0.00	47.87 2.92 0.00	43.48 2.81 0.00	39.22 2.61 -0.78	35.17 2.47 -0.62	33.80 2.15 -2.95
PLSNTVLE_13_KV_13.8KVDIST 80602	42.42 2.30 -12.09	36.22 1.91 -10.42	30.38 1.95 -4.11	29.83 1.87 -3.62	28.99 1.81 -2.78	30.97 1.96 -2.87	35.28 2.36 -3.05	37.19 2.82 0.00	36.46 2.83 -1.47	40.21 3.00 -3.55	36.67 3.06 0.00	36.65 3.09 0.00	38.28 3.32 0.00	42.36 3.50 -0.42	43.85 3.69 0.00	49.01 4.13 0.00	57.56 4.95 0.00	67.88 5.60 0.00	58.56 4.49 0.00	48.46 3.51 0.00	44.00 3.33 0.00	39.69 3.12 -0.75	35.56 2.89 -0.59	34.01 2.50 -2.83
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	42.42 2.30 -12.09	36.22 1.91 -10.42	30.38 1.95 -4.11	29.83 1.87 -3.62	28.99 1.81 -2.78	30.97 1.96 -2.87	35.28 2.36 -3.05	37.19 2.82 0.00	36.46 2.83 -1.47	40.21 3.00 -3.55	36.67 3.06 0.00	36.65 3.09 0.00	38.28 3.32 0.00	42.36 3.50 -0.42	43.85 3.69 0.00	49.01 4.13 0.00	57.56 4.95 0.00	67.88 5.60 0.00	58.56 4.49 0.00	48.46 3.51 0.00	44.00 3.33 0.00	39.69 3.12 -0.75	35.56 2.89 -0.59	34.01 2.50 -2.83
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	42.46 2.16 -12.27	36.22 1.77 -10.57	30.32 1.82 -4.17	29.76 1.75 -3.67	28.96 1.73 -2.82	30.91 1.86 -2.91	35.17 2.21 -3.10	36.98 2.61 0.00	36.26 2.60 -1.50	39.04 2.76 -2.62	36.40 2.79 0.00	36.34 2.79 0.00	37.97 3.01 0.00	41.74 3.19 -0.11	43.52 3.37 0.00	48.69 3.81 0.00	57.14 4.53 0.00	67.57 5.29 0.00	58.39 4.33 0.00	48.37 3.42 0.00	43.88 3.21 0.00	39.48 2.90 -0.76	35.35 2.66 -0.60	33.87 2.30 -2.88
POLETTI____ 23519	42.47 2.44 -12.00	36.28 2.05 -10.34	30.52 2.12 -4.08	29.93 2.00 -3.59	29.09 1.93 -2.76	31.08 2.09 -2.85	35.43 2.54 -3.03	37.43 3.06 0.00	36.69 3.09 -1.44	40.81 3.26 -3.89	40.84 3.39 -3.83	41.08 3.42 -4.10	42.34 3.64 -3.74	45.39 3.84 -3.11	47.25 4.06 -3.04	49.35 4.49 0.02	57.97 5.37 0.02	68.30 6.04 0.02	58.76 4.70 0.02	48.62 3.69 0.02	44.15 3.50 0.02	39.93 3.37 -0.74	35.81 3.14 -0.59	34.22 2.73 -2.80
POMONA___ESR 323819	41.61 2.05 -11.53	35.52 1.70 -9.94	30.04 1.80 -3.92	29.49 1.70 -3.45	28.72 1.66 -2.65	30.65 1.78 -2.74	34.82 2.09 -2.86	36.81 2.44 0.00	36.03 2.48 -1.40	35.56 2.63 0.73	36.33 2.72 0.00	36.34 2.78 0.00	37.90 2.94 0.00	40.58 3.08 0.94	43.40 3.25 0.00	48.60 3.72 0.00	57.09 4.47 0.00	67.38 5.11 0.00	58.01 3.94 0.00	47.92 2.97 0.00	43.56 2.89 0.00	39.33 2.76 -0.75	35.31 2.63 -0.60	33.81 2.27 -2.85
PORT_JEFF_3 23555	86.16 3.22 -54.91	72.24 2.67 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.32 3.92 -12.24	61.37 4.17 -23.54	66.00 4.30 -28.08	67.11 4.19 -29.35	73.27 4.33 -33.97	105.62 4.53 -62.64	111.52 4.78 -66.59	119.16 5.25 -69.03	141.75 6.21 -82.93	159.29 6.91 -90.11	163.23 5.62 -103.54	128.82 4.63 -79.24	111.90 4.43 -66.80	89.68 4.12 -49.75	65.59 3.98 -29.53	64.42 3.50 -32.23
PORT_JEFF_4 23616	86.16 3.22 -54.91	72.24 2.67 -45.68	55.07 2.68 -28.07	44.73 2.58 -17.81	43.87 2.46 -17.00	44.99 2.67 -16.18	40.24 3.20 -7.18	44.62 3.85 -6.41	48.32 3.92 -12.24	61.37 4.17 -23.54	66.00 4.30 -28.08	67.11 4.19 -29.35	73.27 4.33 -33.97	105.62 4.53 -62.64	111.52 4.78 -66.59	119.16 5.25 -69.03	141.75 6.21 -82.93	159.29 6.91 -90.11	163.23 5.62 -103.54	128.82 4.63 -79.24	111.90 4.43 -66.80	89.68 4.12 -49.75	65.59 3.98 -29.53	64.42 3.50 -32.23

PORT_JEFF_IC 23713	86.24 3.31 -54.91	72.29 2.72 -45.68	55.12 2.72 -28.07	44.76 2.60 -17.81	43.92 2.51 -17.00	45.04 2.72 -16.18	40.30 3.23 -7.21	44.73 3.95 -6.41	48.38 3.99 -12.23	61.43 4.24 -23.53	66.10 4.40 -28.08	67.22 4.30 -29.36	74.43 4.51 -34.96	106.60 4.61 -63.55	117.86 4.86 -72.85	126.55 5.34 -76.33	152.25 6.31 -93.32	172.29 7.10 -102.92	176.76 5.79 -116.91	137.78 4.72 -88.11	118.41 4.47 -73.27	92.93 4.12 -52.99	65.62 4.04 -29.49	64.32 3.56 -32.07
PPL PILGRIM_ST_GT1 24216	86.38 3.45 -54.91	72.43 2.87 -45.68	55.26 2.87 -28.07	44.92 2.77 -17.81	44.06 2.66 -17.00	45.20 2.88 -16.18	40.51 3.46 -7.18	44.90 4.12 -6.41	48.55 4.15 -12.24	61.61 4.41 -23.54	66.19 4.51 -28.07	67.21 4.36 -29.29	68.42 4.61 -28.84	76.33 4.96 -32.93	79.45 5.22 -34.08	81.38 5.38 -31.12	88.00 6.42 -28.97	93.26 7.41 -23.58	94.21 6.05 -34.09	82.83 4.72 -33.16	78.74 4.88 -33.20	73.01 4.51 -32.68	65.81 4.20 -29.53	64.60 3.67 -32.23
PPL PILGRIM_ST_GT2 24217	86.38 3.45 -54.91	72.43 2.87 -45.68	55.26 2.87 -28.07	44.92 2.77 -17.81	44.06 2.66 -17.00	45.20 2.88 -16.18	40.51 3.46 -7.18	44.90 4.12 -6.41	48.55 4.15 -12.24	61.61 4.41 -23.54	66.19 4.51 -28.07	67.21 4.36 -29.29	68.42 4.61 -28.84	76.33 4.96 -32.93	79.45 5.22 -34.08	81.38 5.38 -31.12	88.00 6.42 -28.97	93.26 7.41 -23.58	94.21 6.05 -34.09	82.83 4.72 -33.16	78.74 4.88 -33.20	73.01 4.51 -32.68	65.81 4.20 -29.53	64.60 3.67 -32.23
PPL_SHRM_GT3 24213	86.13 3.19 -54.91	72.19 2.63 -45.68	55.00 2.60 -28.07	44.66 2.51 -17.81	43.79 2.39 -17.00	44.91 2.59 -16.18	40.12 3.08 -7.18	44.52 3.75 -6.41	48.22 3.83 -12.24	61.34 4.14 -23.54	66.00 4.30 -28.08	67.18 4.26 -29.35	73.72 4.65 -34.11	105.91 5.19 -62.28	112.99 5.38 -67.46	120.80 5.88 -70.05	143.88 6.89 -84.37	162.32 8.16 -91.89	166.11 6.65 -105.39	130.68 5.26 -80.47	113.45 5.08 -67.70	90.71 4.69 -50.20	65.68 4.07 -29.53	64.45 3.53 -32.23
PPL_SHRM_GT4 24214	86.13 3.19 -54.91	72.19 2.63 -45.68	55.00 2.60 -28.07	44.66 2.51 -17.81	43.79 2.39 -17.00	44.91 2.59 -16.18	40.12 3.08 -7.18	44.52 3.75 -6.41	48.22 3.83 -12.24	61.34 4.14 -23.54	66.00 4.30 -28.08	67.18 4.26 -29.35	73.72 4.65 -34.11	105.91 5.19 -62.28	112.99 5.38 -67.46	120.80 5.88 -70.05	143.88 6.89 -84.37	162.32 8.16 -91.89	166.11 6.65 -105.39	130.68 5.26 -80.47	113.45 5.08 -67.70	90.71 4.69 -50.20	65.68 4.07 -29.53	64.45 3.53 -32.23
PROJECT___ORANGE 1 24174	28.70 -0.22 -0.90	24.42 -0.24 -0.77	24.39 -0.24 -0.30	24.31 -0.29 -0.27	24.34 -0.27 -0.21	26.06 -0.29 -0.21	30.03 -0.30 -0.46	33.07 -0.38 0.92	31.15 -0.42 0.59	32.83 -0.40 0.43	32.35 -0.30 0.96	32.54 -0.27 0.75	33.78 -0.35 0.83	37.22 -0.35 0.87	38.59 -0.48 1.08	42.76 -0.58 1.53	50.90 -0.63 1.08	59.24 -0.75 2.28	52.54 -0.43 1.09	43.99 -0.45 0.52	40.00 -0.33 0.35	35.29 -0.39 0.14	31.92 -0.22 -0.06	28.67 -0.20 -0.18
PROJECT___ORANGE 2 24166	28.70 -0.22 -0.90	24.42 -0.24 -0.77	24.39 -0.24 -0.30	24.31 -0.29 -0.27	24.34 -0.27 -0.21	26.06 -0.29 -0.21	30.03 -0.30 -0.46	33.07 -0.38 0.92	31.15 -0.42 0.59	32.83 -0.40 0.43	32.35 -0.30 0.96	32.54 -0.27 0.75	33.78 -0.35 0.83	37.22 -0.35 0.87	38.59 -0.48 1.08	42.76 -0.58 1.53	50.90 -0.63 1.08	59.24 -0.75 2.28	52.54 -0.43 1.09	43.99 -0.45 0.52	40.00 -0.33 0.35	35.29 -0.39 0.14	31.92 -0.22 -0.06	28.67 -0.20 -0.18
PUCKETT___SOLAR 323809	32.04 0.70 -3.31	27.27 0.52 -2.85	25.96 0.51 -1.13	25.79 0.46 -0.99	25.65 0.49 -0.76	27.50 0.57 -0.79	31.63 0.75 -1.02	36.98 1.20 -1.41	34.73 0.90 -1.67	36.86 0.94 -2.26	35.22 0.77 -0.83	35.01 0.74 -0.71	36.54 0.70 -0.88	40.45 0.84 -1.17	42.11 0.60 -1.35	47.52 0.67 -1.97	56.60 0.89 -3.09	68.41 1.24 -4.89	54.92 1.24 0.40	45.94 0.99 0.00	41.48 0.94 0.13	36.68 0.72 -0.14	33.02 0.74 -0.20	30.16 0.63 -0.84
PYRITES___HYD 24023	26.80 -1.23 0.00	22.93 -0.96 0.00	23.35 -0.97 0.00	23.44 -0.90 0.00	23.57 -0.83 0.00	25.30 -0.84 0.00	29.06 -0.87 -0.07	33.24 -1.17 -0.04	30.91 -1.29 -0.04	32.40 -1.35 -0.08	32.13 -1.48 0.00	31.95 -1.64 -0.03	32.37 -1.75 0.84	36.79 -1.73 -0.08	28.13 -1.77 10.25	24.33 -2.06 18.49	39.98 -2.47 10.17	42.46 -2.99 16.83	40.42 -2.54 11.11	38.36 -1.71 4.89	37.74 -1.46 1.47	34.60 -1.22 0.00	30.77 -1.32 0.00	27.51 -1.18 0.00
QUAKERRD_115KV_BK1 80622	28.34 -0.93 -1.23	24.07 -0.88 -1.06	23.87 -0.88 -0.42	23.78 -0.92 -0.37	23.74 -0.95 -0.28	25.44 -0.99 -0.29	29.01 -1.16 -0.31	30.52 -1.82 2.03	28.88 -1.77 1.51	30.24 -1.88 1.53	30.37 -1.45 1.80	31.12 -1.28 1.16	32.14 -1.50 1.32	35.55 -1.42 1.47	36.80 -1.81 1.54	40.17 -2.33 2.37	47.70 -2.74 2.18	53.78 -2.99 5.50	49.83 -2.16 2.08	41.67 -1.80 1.48	38.34 -1.46 0.87	33.79 -1.58 0.45	30.92 -1.22 -0.06	28.07 -0.89 -0.27
QUENSBRY_115KV_TB8 356137	45.53 1.71 -15.79	39.00 1.50 -13.60	31.05 1.36 -5.36	30.43 1.36 -4.73	29.48 1.44 -3.63	31.45 1.57 -3.75	35.79 1.94 -3.98	36.53 2.17 0.00	36.15 2.06 -1.93	38.95 2.05 -3.24	35.26 1.65 0.00	35.20 1.64 0.00	36.78 1.82 0.00	40.03 1.50 -0.09	41.88 1.73 0.00	46.94 2.06 0.00	55.04 2.42 0.00	65.51 3.24 0.00	57.53 3.46 0.00	48.05 3.10 0.00	43.76 3.09 0.00	39.38 2.58 -0.98	34.94 2.09 -0.78	34.09 1.69 -3.70
RAMAPO___LBMP 323565	41.46 1.93 -11.49	35.39 1.60 -9.90	29.93 1.70 -3.90	29.39 1.61 -3.44	28.61 1.56 -2.65	30.57 1.70 -2.73	34.74 1.97 -2.90	36.74 2.37 0.00	35.92 2.38 -1.38	35.67 2.49 0.48	36.20 2.59 0.00	36.18 2.62 0.00	37.76 2.80 0.00	40.51 2.92 0.85	43.24 3.09 0.00	48.42 3.55 0.00	56.88 4.26 0.00	67.07 4.79 0.00	57.80 3.73 0.00	47.78 2.83 0.00	43.44 2.77 0.00	39.18 2.65 -0.70	35.14 2.50 -0.56	33.53 2.18 -2.66
RANKINE____ 23646	28.82 -0.98 -1.77	24.46 -0.96 -1.53	23.95 -0.97 -0.60	23.85 -1.02 -0.53	23.71 -1.10 -0.41	25.38 -1.18 -0.42	28.82 -1.49 -0.45	29.90 -2.10 2.38	28.37 -1.99 1.80	29.53 -2.22 1.91	29.60 -2.02 2.00	30.84 -1.78 0.94	31.83 -2.06 1.07	35.33 -1.92 1.19	36.40 -2.49 1.26	39.16 -3.37 2.35	46.62 -4.10 1.89	50.91 -4.61 6.76	48.86 -3.30 1.91	40.65 -2.74 1.56	37.68 -2.20 0.80	33.15 -2.29 0.38	30.52 -1.64 -0.08	27.95 -1.12 -0.38
RAVENSWOOD_GT2_1 24244	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.77 3.15 -1.45	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.41 4.53 0.00	58.04 5.42 0.00	68.38 6.10 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
RAVENSWOOD_GT2_2 24245	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.77 3.15 -1.45	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.41 4.53 0.00	58.04 5.42 0.00	68.38 6.10 0.00	58.88 4.81 0.00	48.68 3.73 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80



RAVENSWOOD_GT2_3 24246	42.56 2.52 -12.00	36.33 2.10 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.53 3.16 0.00	36.80 3.18 -1.45	40.93 3.37 -3.90	40.99 3.43 -3.95	41.24 3.46 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	47.38 4.10 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.93 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	40.04 3.47 -0.74	35.91 3.24 -0.59	34.30 2.81 -2.80
RAVENSWOOD_GT2_4 24247	42.56 2.52 -12.00	36.33 2.10 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.53 3.16 0.00	36.80 3.18 -1.45	40.93 3.37 -3.90	40.99 3.43 -3.95	41.24 3.46 -4.23	42.54 3.71 -3.87	45.57 3.92 -3.21	47.38 4.10 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.93 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	40.04 3.47 -0.74	35.91 3.24 -0.59	34.30 2.81 -2.80
RAVENSWOOD_GT3_1 24248	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.77 3.15 -1.45	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.46 4.58 0.00	58.04 5.42 0.00	68.44 6.16 0.00	58.88 4.81 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
RAVENSWOOD_GT3_2 24249	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.77 3.15 -1.45	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.46 4.58 0.00	58.04 5.42 0.00	68.44 6.16 0.00	58.88 4.81 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
RAVENSWOOD_GT3_3 24250	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.18 2.20 -2.85	35.55 2.66 -3.03	37.56 3.20 0.00	36.83 3.22 -1.45	40.96 3.40 -3.90	41.03 3.46 -3.95	41.31 3.52 -4.23	42.58 3.74 -3.87	45.61 3.96 -3.21	47.42 4.14 -3.13	49.55 4.67 0.00	58.20 5.58 0.00	68.56 6.29 0.00	58.99 4.92 0.00	48.82 3.87 0.00	44.33 3.66 0.00	40.07 3.51 -0.74	35.94 3.27 -0.59	34.33 2.84 -2.80
RAVENSWOOD_GT3_4 24251	42.58 2.55 -12.00	36.35 2.13 -10.34	30.59 2.19 -4.08	30.00 2.07 -3.59	29.17 2.00 -2.76	31.18 2.20 -2.85	35.55 2.66 -3.03	37.56 3.20 0.00	36.83 3.22 -1.45	40.96 3.40 -3.90	41.03 3.46 -3.95	41.31 3.52 -4.23	42.58 3.74 -3.87	45.61 3.96 -3.21	47.42 4.14 -3.13	49.55 4.67 0.00	58.20 5.58 0.00	68.56 6.29 0.00	58.99 4.92 0.00	48.82 3.87 0.00	44.33 3.66 0.00	40.07 3.51 -0.74	35.94 3.27 -0.59	34.33 2.84 -2.80
RAVENSWOOD_GT_1 23729	42.68 2.63 -12.01	36.38 2.15 -10.34	30.64 2.24 -4.08	30.05 2.12 -3.60	29.19 2.03 -2.76	31.18 2.20 -2.85	35.58 2.69 -3.03	37.64 3.26 -0.01	38.70 3.31 -3.23	41.03 3.47 -3.90	41.13 3.56 -3.95	41.38 3.59 -4.23	39.45 3.78 -0.71	45.64 4.00 -3.21	47.61 4.14 -3.33	49.46 4.58 -0.01	62.59 5.42 -4.56	68.38 6.10 -0.01	58.83 4.76 0.00	48.68 3.73 0.00	44.29 3.62 0.00	40.21 3.62 -0.77	37.04 3.37 -1.59	34.43 2.93 -2.81
RAVENSWOOD_GT_10 24258	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.68 3.15 -1.37	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.88 4.81 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
RAVENSWOOD_GT_11 24259	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.68 3.15 -1.37	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.88 4.81 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
RAVENSWOOD_GT_4 24252	42.53 2.49 -12.01	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.60	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 -0.01	36.77 3.15 -1.46	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	40.10 3.67 -1.46	45.53 3.88 -3.21	47.49 4.06 -3.28	49.46 4.58 -0.01	61.56 5.47 -3.47	68.44 6.16 -0.01	58.94 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	39.98 3.40 -0.76	36.64 3.21 -1.35	34.28 2.78 -2.81
RAVENSWOOD_GT_5 24254	42.53 2.49 -12.01	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.60	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 -0.01	36.77 3.15 -1.46	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	40.10 3.67 -1.46	45.53 3.88 -3.21	47.49 4.06 -3.28	49.46 4.58 -0.01	61.56 5.47 -3.47	68.44 6.16 -0.01	58.94 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	39.98 3.40 -0.76	36.64 3.21 -1.35	34.28 2.78 -2.81
RAVENSWOOD_GT_6 24253	42.53 2.49 -12.01	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.60	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 -0.01	36.77 3.15 -1.46	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	40.10 3.67 -1.46	45.53 3.88 -3.21	47.49 4.06 -3.28	49.46 4.58 -0.01	61.56 5.47 -3.47	68.44 6.16 -0.01	58.94 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	39.98 3.40 -0.76	36.64 3.21 -1.35	34.28 2.78 -2.81
RAVENSWOOD_GT_7 24255	42.53 2.49 -12.01	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.60	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 -0.01	36.77 3.15 -1.46	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	40.10 3.67 -1.46	45.53 3.88 -3.21	47.49 4.06 -3.28	49.46 4.58 -0.01	61.56 5.47 -3.47	68.44 6.16 -0.01	58.94 4.87 0.00	48.73 3.78 0.00	44.29 3.62 0.00	39.98 3.40 -0.76	36.64 3.21 -1.35	34.28 2.78 -2.81
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.68 3.15 -1.37	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.88 4.81 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80
RAVENSWOOD_GT_9 24257	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.50 3.13 0.00	36.68 3.15 -1.37	40.89 3.33 -3.90	40.96 3.39 -3.95	41.21 3.42 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.06 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.16 0.00	58.88 4.81 0.00	48.73 3.78 0.00	44.25 3.58 0.00	40.00 3.44 -0.74	35.87 3.21 -0.59	34.27 2.78 -2.80

RAVENSWOOD___1 23533	42.64 2.61 -12.00	36.38 2.15 -10.34	30.61 2.21 -4.08	30.02 2.09 -3.59	29.19 2.02 -2.76	31.15 2.17 -2.85	35.52 2.66 -3.00	37.57 3.20 0.00	37.78 3.28 -2.34	41.01 3.43 -3.91	41.09 3.53 -3.95	41.38 3.59 -4.23	42.61 3.78 -3.87	45.61 3.96 -3.21	47.38 4.10 -3.13	49.41 4.53 0.00	58.04 5.42 0.00	68.38 6.11 0.00	58.71 4.65 0.01	48.55 3.60 0.00	44.25 3.58 0.00	40.19 3.58 -0.78	36.04 3.34 -0.62	34.55 2.90 -2.96
RAVENSWOOD___2 23534	42.58 2.55 -12.00	36.31 2.08 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.57 -3.00	37.46 3.09 0.00	37.71 3.22 -2.34	40.94 3.37 -3.91	41.03 3.46 -3.95	41.31 3.52 -4.23	42.54 3.70 -3.87	45.53 3.88 -3.21	47.26 3.98 -3.13	49.14 4.27 0.00	57.67 5.05 0.00	67.88 5.61 0.00	58.28 4.22 0.01	48.28 3.33 0.00	44.17 3.50 0.00	40.12 3.51 -0.78	35.97 3.27 -0.62	34.49 2.84 -2.96
RAVENSWOOD___3 23535	42.53 2.49 -12.00	36.31 2.08 -10.34	30.57 2.16 -4.08	29.98 2.04 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.46 2.60 -3.00	37.46 3.09 0.00	36.78 3.15 -1.46	40.91 3.33 -3.91	40.96 3.39 -3.95	41.24 3.46 -4.23	42.51 3.67 -3.87	45.53 3.88 -3.21	47.34 4.05 -3.13	49.46 4.58 0.00	58.09 5.47 0.00	68.44 6.17 0.00	58.83 4.76 0.00	48.68 3.73 0.00	44.25 3.58 0.00	40.04 3.44 -0.78	35.91 3.21 -0.62	34.41 2.75 -2.96
RAVENSWOOD___4 23820	42.60 2.58 -11.99	36.35 2.13 -10.34	30.59 2.19 -4.07	30.02 2.09 -3.59	29.17 2.00 -2.76	31.15 2.17 -2.85	35.49 2.63 -3.00	37.52 3.16 0.01	36.90 3.28 -1.45	40.97 3.40 -3.91	41.06 3.50 -3.95	41.34 3.56 -4.23	45.70 3.74 -6.99	45.61 3.96 -3.21	47.19 4.10 -2.94	49.40 4.53 0.01	53.55 5.42 4.49	68.30 6.04 0.01	58.64 4.59 0.02	48.55 3.60 0.00	44.25 3.58 0.00	40.16 3.58 -0.76	35.02 3.30 0.37	34.51 2.87 -2.95
RCPL_TRUST___DRP 24196	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.53 3.16 0.00	36.80 3.18 -1.45	40.93 3.37 -3.90	40.78 3.46 -3.70	41.04 3.52 -3.96	42.33 3.74 -3.63	45.44 3.96 -3.04	47.26 4.18 -2.93	49.55 4.67 0.00	58.14 5.52 0.00	68.50 6.23 0.00	58.99 4.92 0.00	48.77 3.82 0.00	44.29 3.62 0.00	39.96 3.40 -0.74	35.84 3.18 -0.59	34.27 2.78 -2.80
RED___ROCHESTER 323720	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	31.06 -1.13 2.17	29.42 -1.09 1.65	30.69 -1.28 1.69	30.96 -0.74 1.91	31.71 -0.64 1.21	32.89 -0.70 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.93 -1.44 2.51	48.61 -1.74 2.28	54.55 -1.74 5.97	51.10 -0.81 2.16	42.77 -0.63 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.70 -0.26 -0.27
REGAN___SOLAR 323812	49.13 3.17 -17.93	42.09 2.75 -15.45	32.95 2.53 -6.09	32.24 2.53 -5.37	31.24 2.71 -4.13	33.37 2.98 -4.26	37.97 3.58 -4.52	38.18 3.81 0.00	37.93 3.57 -2.20	40.72 3.50 -3.56	36.97 3.36 0.00	36.88 3.32 0.00	38.53 3.57 0.00	42.04 3.53 -0.06	44.09 3.94 0.00	49.46 4.58 0.00	57.93 5.31 0.00	69.74 7.47 0.00	61.58 7.51 0.00	51.51 6.56 0.00	46.41 5.74 0.00	41.74 4.80 -1.12	36.81 3.85 -0.88	36.04 3.13 -4.22
RENSSELAER___COGEN 23796	44.20 0.95 -15.22	37.81 0.81 -13.11	30.34 0.85 -5.17	29.75 0.85 -4.56	28.78 0.88 -3.50	30.66 0.91 -3.61	34.72 1.02 -3.84	35.43 1.07 0.00	35.05 1.03 -1.86	37.87 1.04 -3.16	34.62 1.01 0.00	34.60 1.04 0.00	36.08 1.12 0.00	39.61 1.07 -0.10	41.36 1.20 0.00	46.27 1.39 0.00	54.14 1.53 0.00	64.14 1.87 0.00	55.69 1.62 0.00	46.35 1.40 0.00	42.05 1.38 0.00	38.00 1.22 -0.96	33.90 1.06 -0.76	33.30 0.98 -3.63
REPUBLIC___115KV_BARTNBRK 55605	46.84 3.03 -15.78	40.13 2.65 -13.60	32.12 2.43 -5.36	31.50 2.43 -4.72	30.65 2.61 -3.63	32.73 2.85 -3.75	37.31 3.46 -3.98	38.25 3.88 0.00	37.75 3.67 -1.93	40.50 3.60 -3.24	36.74 3.13 0.00	36.75 3.19 0.00	38.39 3.43 0.00	41.72 3.19 -0.09	43.64 3.49 0.00	48.92 4.04 0.00	57.41 4.79 0.00	68.56 6.29 0.00	60.23 6.16 0.00	50.48 5.53 0.00	45.88 5.21 0.00	41.35 4.55 -0.98	36.51 3.66 -0.77	35.32 2.93 -3.70
REVERE_CPPR_DRP 24186	29.44 0.90 -0.51	25.04 0.72 -0.44	25.23 0.73 -0.17	25.22 0.73 -0.15	25.30 0.78 -0.12	27.15 0.89 -0.12	31.28 1.16 -0.25	35.55 1.41 0.22	33.15 1.09 0.10	34.89 1.21 -0.01	34.48 1.14 0.27	34.39 1.01 0.18	35.62 0.87 0.22	39.32 1.04 0.16	40.32 1.04 0.87	44.44 1.08 1.51	53.27 1.26 0.61	62.55 1.81 1.53	54.68 1.78 1.18	45.99 1.44 0.40	41.84 1.38 0.21	36.91 1.11 0.02	33.09 0.96 -0.04	29.67 0.86 -0.12
REYNOLDS___115KV_TB3 80639	44.47 1.21 -15.23	38.06 1.05 -13.13	30.57 1.07 -5.17	29.97 1.07 -4.56	29.01 1.10 -3.51	30.90 1.15 -3.62	35.02 1.31 -3.84	35.74 1.37 0.00	35.37 1.35 -1.86	38.21 1.38 -3.17	34.89 1.28 0.00	34.83 1.28 0.00	36.36 1.40 0.00	39.93 1.38 -0.10	41.72 1.57 0.00	46.63 1.75 0.00	54.62 2.00 0.00	64.76 2.49 0.00	56.23 2.16 0.00	46.75 1.80 0.00	42.38 1.71 0.00	38.23 1.47 -0.95	34.14 1.32 -0.75	33.47 1.20 -3.57
RIVERBAY___ 323610	43.12 3.08 -12.01	36.71 2.48 -10.34	30.98 2.58 -4.08	30.34 2.41 -3.59	29.49 2.32 -2.76	31.42 2.43 -2.85	35.76 2.87 -3.03	37.84 3.47 0.00	37.14 3.54 -1.45	41.23 3.67 -3.90	41.33 3.76 -3.95	41.58 3.79 -4.23	42.86 4.02 -3.87	45.91 4.27 -3.21	44.59 4.42 -0.03	49.72 4.85 0.00	58.41 5.79 0.00	68.81 6.54 0.00	59.25 5.19 0.01	49.04 4.09 0.00	44.61 3.94 0.00	40.57 4.01 -0.74	36.36 3.69 -0.59	34.79 3.30 -2.80
RIVERSIDE___115KV_TB3 55908	44.40 1.07 -15.30	37.98 0.91 -13.19	30.47 0.95 -5.20	29.87 0.95 -4.58	28.90 0.98 -3.52	30.79 1.02 -3.63	34.86 1.13 -3.86	35.61 1.24 0.00	35.22 1.19 -1.87	38.08 1.25 -3.17	34.79 1.18 0.00	34.73 1.17 0.00	36.26 1.29 0.00	39.81 1.27 -0.10	41.56 1.41 0.00	46.49 1.62 0.00	54.41 1.79 0.00	64.45 2.18 0.00	56.01 1.95 0.00	46.61 1.66 0.00	42.26 1.59 0.00	38.13 1.36 -0.95	34.05 1.22 -0.75	33.37 1.09 -3.59
ROARING___BROOK_WT_PWR 323790	27.61 -0.42 0.00	23.55 -0.33 0.00	24.01 -0.32 0.00	24.05 -0.29 0.00	24.14 -0.27 0.00	25.85 -0.29 0.00	29.57 -0.30 0.00	33.61 -0.76 0.00	31.42 -0.74 0.00	32.82 -0.84 0.00	32.67 -0.94 0.00	32.48 -1.08 0.00	32.10 -1.19 1.68	37.13 -1.31 0.00	35.97 -1.37 2.82	38.31 -1.48 5.08	47.08 -1.74 3.80	61.14 -1.93 -0.80	53.02 -1.57 -0.52	44.06 -1.12 -0.23	39.80 -0.93 -0.07	35.03 -0.79 0.00	31.37 -0.71 0.00	28.12 -0.57 0.00
ROCHESRG___115KV_T4 355643	28.77 -0.53 -1.27	24.43 -0.55 -1.09	24.20 -0.56 -0.43	24.11 -0.61 -0.38	24.06 -0.63 -0.29	25.78 -0.65 -0.30	29.38 -0.81 -0.32	30.59 -1.58 2.20	29.00 -1.51 1.65	30.33 -1.65 1.68	30.56 -1.11 1.94	31.41 -0.91 1.24	32.40 -1.15 1.41	35.84 -1.04 1.57	37.06 -1.45 1.65	40.35 -1.97 2.55	47.92 -2.37 2.33	53.75 -2.55 5.97	50.20 -1.68 2.19	42.03 -1.35 1.58	38.70 -1.06 0.91	34.12 -1.22 0.48	31.27 -0.87 -0.06	28.45 -0.52 -0.27

ROCHESTER_9_IC 23652	28.92 -0.39 -1.28	24.56 -0.43 -1.10	24.32 -0.44 -0.43	24.23 -0.49 -0.38	24.21 -0.49 -0.29	25.92 -0.52 -0.30	29.53 -0.66 -0.32	30.82 -1.37 2.17	29.21 -1.32 1.63	30.55 -1.45 1.66	30.79 -0.91 1.92	31.64 -0.70 1.21	32.68 -0.91 1.38	36.14 -0.77 1.53	37.38 -1.16 1.61	40.67 -1.71 2.51	48.34 -2.00 2.28	54.24 -2.12 5.91	50.62 -1.30 2.16	42.36 -1.03 1.56	39.00 -0.77 0.90	34.35 -1.00 0.47	31.46 -0.67 -0.06	28.62 -0.34 -0.27
ROCKVIEW_13_KV_LD 356306	42.50 2.47 -12.00	36.28 2.05 -10.34	30.49 2.09 -4.08	29.93 2.00 -3.59	29.12 1.95 -2.76	31.10 2.12 -2.85	35.43 2.54 -3.03	37.43 3.06 0.00	36.67 3.06 -1.45	40.79 3.23 -3.90	36.94 3.33 0.00	36.92 3.36 0.00	38.56 3.60 0.00	42.79 3.81 -0.55	44.17 4.02 0.00	49.37 4.49 0.00	57.98 5.37 0.00	68.38 6.10 0.00	58.93 4.87 0.00	48.77 3.82 0.00	44.29 3.62 0.00	39.93 3.37 -0.74	35.78 3.11 -0.59	34.19 2.70 -2.80
ROME____115KV_TB2 80656	29.44 0.90 -0.51	25.04 0.72 -0.44	25.23 0.73 -0.17	25.22 0.73 -0.15	25.30 0.78 -0.12	27.15 0.89 -0.12	31.28 1.16 -0.25	35.55 1.41 0.22	33.15 1.09 0.10	34.89 1.21 -0.01	34.48 1.14 0.27	34.39 1.01 0.18	35.62 0.87 0.22	39.32 1.04 0.16	40.32 1.04 0.87	44.44 1.08 1.51	53.27 1.26 0.61	62.55 1.81 1.53	54.68 1.78 1.18	45.99 1.44 0.40	41.84 1.38 0.21	36.91 1.11 0.02	33.09 0.96 -0.04	29.67 0.86 -0.12
ROSETON____1 23587	41.80 1.88 -11.89	35.68 1.55 -10.24	29.97 1.61 -4.04	29.46 1.56 -3.56	28.65 1.51 -2.74	30.61 1.65 -2.82	34.84 1.97 -3.00	36.67 2.30 0.00	35.94 2.32 -1.46	38.36 2.46 -2.24	36.10 2.49 0.00	36.08 2.52 0.00	37.62 2.66 0.00	41.21 2.77 0.00	43.08 2.93 0.00	48.25 3.37 0.00	56.61 4.00 0.00	66.82 4.54 0.00	57.69 3.62 0.00	47.74 2.79 0.00	43.39 2.73 0.00	39.18 2.58 -0.78	35.11 2.41 -0.62	33.74 2.09 -2.96
ROSETON____2 23588	41.80 1.88 -11.89	35.68 1.55 -10.24	29.97 1.61 -4.04	29.46 1.56 -3.56	28.65 1.51 -2.74	30.61 1.65 -2.82	34.84 1.97 -3.00	36.67 2.30 0.00	35.94 2.32 -1.46	38.36 2.46 -2.24	36.10 2.49 0.00	36.08 2.52 0.00	37.62 2.66 0.00	41.21 2.77 0.00	43.08 2.93 0.00	48.25 3.37 0.00	56.61 4.00 0.00	66.82 4.54 0.00	57.69 3.62 0.00	47.74 2.79 0.00	43.39 2.73 0.00	39.18 2.58 -0.78	35.11 2.41 -0.62	33.74 2.09 -2.96
ROTTDAM_115KV_TB3 80664	45.20 1.21 -15.97	38.67 1.03 -13.76	30.77 1.02 -5.42	30.12 1.00 -4.78	29.10 1.02 -3.68	31.03 1.10 -3.79	35.18 1.28 -4.03	35.81 1.44 0.00	35.49 1.38 -1.95	38.33 1.41 -3.26	34.92 1.31 0.00	34.87 1.31 0.00	36.36 1.40 0.00	39.91 1.38 -0.09	41.68 1.53 0.00	46.63 1.75 0.00	54.67 2.05 0.00	64.83 2.55 0.00	56.39 2.32 0.00	46.93 1.98 0.00	42.54 1.87 0.00	38.42 1.61 -0.99	34.31 1.44 -0.78	33.67 1.23 -3.75
RUSSELL____1 23602	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	30.99 -1.20 2.17	29.38 -1.16 1.63	30.72 -1.28 1.66	30.96 -0.74 1.92	31.81 -0.54 1.21	32.85 -0.73 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.94 -1.44 2.51	48.66 -1.68 2.28	54.62 -1.74 5.91	50.94 -0.97 2.16	42.63 -0.76 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.76 -0.20 -0.27
RUSSELL____2 23532	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	30.99 -1.20 2.17	29.38 -1.16 1.63	30.72 -1.28 1.66	30.96 -0.74 1.92	31.81 -0.54 1.21	32.85 -0.73 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.94 -1.44 2.51	48.66 -1.68 2.28	54.62 -1.74 5.91	50.94 -0.97 2.16	42.63 -0.76 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.76 -0.20 -0.27
RUSSELL____3 23549	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	30.99 -1.20 2.17	29.38 -1.16 1.63	30.72 -1.28 1.66	30.96 -0.74 1.92	31.81 -0.54 1.21	32.85 -0.73 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.94 -1.44 2.51	48.66 -1.68 2.28	54.62 -1.74 5.91	50.94 -0.97 2.16	42.63 -0.76 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.76 -0.20 -0.27
RUSSELL____4 23556	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	30.99 -1.20 2.17	29.38 -1.16 1.63	30.72 -1.28 1.66	30.96 -0.74 1.92	31.81 -0.54 1.21	32.85 -0.73 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.94 -1.44 2.51	48.66 -1.68 2.28	54.62 -1.74 5.91	50.94 -0.97 2.16	42.63 -0.76 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.76 -0.20 -0.27
RUSSELL____STATION 23914	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	30.99 -1.20 2.17	29.38 -1.16 1.63	30.72 -1.28 1.66	30.96 -0.74 1.92	31.81 -0.54 1.21	32.85 -0.73 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.94 -1.44 2.51	48.66 -1.68 2.28	54.62 -1.74 5.91	50.94 -0.97 2.16	42.63 -0.76 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.76 -0.20 -0.27
S SALMON____HYD 24043	28.02 -0.73 -0.72	23.86 -0.64 -0.62	23.91 -0.66 -0.24	23.90 -0.66 -0.22	23.94 -0.63 -0.17	25.66 -0.65 -0.17	29.95 -0.66 -0.74	34.38 -0.69 -0.70	32.05 -0.80 -0.69	33.97 -0.81 -1.12	33.21 -0.81 -0.40	33.28 -0.87 -0.60	34.66 -0.98 -0.68	38.41 -1.12 -1.09	39.33 -1.25 -0.43	43.57 -1.44 -0.13	53.55 -1.63 -2.56	62.77 -1.74 -2.24	52.66 -1.35 0.06	44.61 -1.08 -0.74	40.20 -0.89 -0.42	35.39 -0.82 -0.39	31.51 -0.71 -0.14	28.23 -0.63 -0.17
S.PERRY__115KV_TB1 80734	30.22 0.36 -1.82	25.62 0.17 -1.57	25.11 0.17 -0.62	24.96 0.07 -0.55	24.90 0.07 -0.42	26.73 0.16 -0.43	30.47 0.15 -0.46	31.25 -0.52 2.60	29.27 -0.87 2.02	30.43 -1.08 2.15	30.71 -0.81 2.10	32.08 -0.70 0.77	33.23 -0.87 0.86	35.61 -1.92 0.91	36.87 -2.37 0.91	40.07 -2.74 2.07	48.41 -3.16 1.05	51.85 -3.24 7.19	50.20 -2.16 1.71	42.00 -1.48 1.47	39.00 -0.98 0.69	35.29 -0.21 0.32	32.24 0.06 -0.10	29.34 0.26 -0.39
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	28.63 -1.09 -1.69	24.30 -1.05 -1.46	23.83 -1.07 -0.58	23.73 -1.12 -0.51	23.60 -1.20 -0.39	25.26 -1.28 -0.40	28.65 -1.64 -0.43	29.43 -2.58 2.36	27.96 -2.41 1.78	29.12 -2.66 1.88	29.39 -2.22 2.00	30.58 -1.98 1.00	31.55 -2.27 1.14	34.98 -2.19 1.26	36.01 -2.81 1.33	38.76 -3.72 2.40	46.03 -4.58 2.01	50.57 -5.04 6.66	48.42 -3.68 1.97	40.37 -3.01 1.57	37.41 -2.44 0.82	32.95 -2.47 0.40	30.36 -1.80 -0.08	27.85 -1.21 -0.36
SAWYER____23_KV_LOAD 55526	28.63 -1.09 -1.69	24.30 -1.05 -1.46	23.83 -1.07 -0.58	23.73 -1.12 -0.51	23.60 -1.20 -0.39	25.26 -1.28 -0.40	28.65 -1.64 -0.43	29.43 -2.58 2.36	27.96 -2.41 1.78	29.12 -2.66 1.88	29.39 -2.22 2.00	30.58 -1.98 1.00	31.55 -2.27 1.14	34.98 -2.19 1.26	36.01 -2.81 1.33	38.76 -3.72 2.40	46.03 -4.58 2.01	50.57 -5.04 6.66	48.42 -3.68 1.97	40.37 -3.01 1.57	37.41 -2.44 0.82	32.95 -2.47 0.40	30.36 -1.80 -0.08	27.85 -1.21 -0.36

SELKIRK__I 23801	44.11 1.12 -14.95	37.75 0.98 -12.89	30.40 1.00 -5.08	29.81 1.00 -4.48	28.87 1.02 -3.44	30.76 1.07 -3.55	34.83 1.20 -3.77	35.64 1.27 0.00	35.12 1.13 -1.83	37.85 1.11 -3.08	34.59 0.98 0.00	34.53 0.97 0.00	35.98 1.01 0.00	39.49 0.96 -0.09	41.24 1.08 0.00	46.13 1.25 0.00	54.14 1.53 0.00	64.26 1.99 0.00	55.91 1.84 0.00	46.62 1.66 0.00	42.25 1.58 0.00	38.16 1.40 -0.94	34.05 1.22 -0.75	33.38 1.12 -3.57
SELKIRK__II 23799	44.16 0.98 -15.15	37.80 0.86 -13.05	30.34 0.87 -5.15	29.75 0.87 -4.54	28.79 0.90 -3.49	30.67 0.94 -3.60	34.73 1.04 -3.82	35.54 1.17 0.00	35.11 1.09 -1.86	37.94 1.15 -3.14	34.72 1.11 0.00	34.67 1.11 0.00	36.15 1.19 0.00	39.69 1.15 -0.09	41.44 1.28 0.00	46.36 1.48 0.00	54.30 1.68 0.00	64.26 1.99 0.00	55.85 1.78 0.00	46.43 1.48 0.00	42.09 1.42 0.00	38.06 1.29 -0.96	33.96 1.12 -0.76	33.31 1.00 -3.62
SENECA OSWGO__HYD 24041	28.36 -0.48 -0.81	24.16 -0.43 -0.70	24.14 -0.46 -0.28	24.09 -0.49 -0.24	24.10 -0.49 -0.19	25.81 -0.52 -0.19	30.28 -0.57 -0.99	35.16 -0.58 -1.37	32.77 -0.64 -1.26	34.87 -0.64 -1.85	33.97 -0.57 -0.93	34.15 -0.57 -1.16	35.80 -0.59 -1.44	39.70 -0.69 -1.95	41.57 -0.80 -2.22	46.86 -0.90 -2.88	57.06 -1.05 -5.50	67.22 -1.19 -6.13	54.74 -0.92 -1.60	46.01 -0.81 -1.87	40.92 -0.69 -0.94	35.83 -0.64 -0.65	31.75 -0.51 -0.19	28.42 -0.46 -0.19
SENECA__115KV_TB3 355854	28.88 -0.93 -1.77	24.48 -0.93 -1.53	24.00 -0.92 -0.60	23.89 -0.97 -0.53	23.76 -1.05 -0.41	25.43 -1.12 -0.42	28.88 -1.43 -0.45	29.96 -2.03 2.38	28.43 -1.93 1.80	29.59 -2.15 1.91	29.66 -1.95 2.00	30.90 -1.71 0.94	31.90 -1.99 1.07	35.40 -1.85 1.19	36.48 -2.41 1.26	39.21 -3.32 2.35	46.67 -4.05 1.89	51.03 -4.48 6.76	48.97 -3.19 1.91	40.74 -2.65 1.56	37.76 -2.11 0.80	33.22 -2.22 0.38	30.59 -1.57 -0.08	28.01 -1.06 -0.38
SENECA__ENERGY 23797	29.16 -0.19 -1.32	24.79 -0.24 -1.14	24.51 -0.27 -0.45	24.42 -0.32 -0.40	24.42 -0.29 -0.30	26.19 -0.26 -0.31	30.27 -0.24 -0.65	34.32 -0.28 -0.23	32.14 -0.42 -0.40	34.01 -0.44 -0.79	33.12 -0.34 0.15	33.43 -0.34 -0.21	34.88 -0.38 -0.30	38.70 -0.27 -0.53	40.31 -0.48 -0.64	44.89 -0.67 -0.68	54.11 -0.69 -2.18	63.67 -0.62 -2.02	53.11 -0.38 0.58	44.53 -0.41 0.01	40.27 -0.28 0.12	35.34 -0.50 -0.02	31.91 -0.29 -0.12	28.76 -0.23 -0.30
SHOEMAKER__GT 23640	40.27 -10.67	34.37 -9.20	29.29 -3.62	28.82 -3.20	28.13 -2.46	30.03 -2.53	34.17 -2.66	36.29 0.00	35.42 -1.30	36.08 -0.37	35.70 0.00	35.67 0.00	37.23 0.00	40.29 0.53	42.68 0.00	47.79 0.00	56.09 0.00	66.26 0.00	57.26 0.00	47.42 0.00	42.99 0.00	38.67 -0.70	34.62 -0.55	33.02 -2.64
SHOEMAKR_138KV_BK 111 55601	40.15 1.57 -10.55	34.27 1.29 -9.09	29.25 1.34 -3.58	28.79 1.29 -3.16	28.10 1.27 -2.43	30.00 1.36 -2.51	34.17 1.64 -2.66	36.33 1.96 0.00	35.40 1.96 -1.28	36.16 2.09 -0.42	35.73 2.12 0.00	35.67 2.11 0.00	37.24 2.27 0.00	40.32 2.38 0.51	42.68 2.53 0.00	47.79 2.92 0.00	56.09 3.47 0.00	66.26 3.99 0.00	57.26 3.19 0.00	47.42 2.47 0.00	42.99 2.32 0.00	38.62 2.15 -0.65	34.59 1.99 -0.52	32.88 1.72 -2.47
SHOREHAM_IC_1 23715	86.13 3.19 -54.91	72.19 2.63 -45.68	55.00 2.60 -28.07	44.66 2.51 -17.81	43.79 2.39 -17.00	44.91 2.59 -16.18	40.12 3.08 -7.18	44.52 3.75 -6.41	48.22 3.83 -12.24	61.34 4.14 -23.54	66.00 4.30 -28.08	67.18 4.26 -29.35	73.72 4.65 -34.11	105.91 5.19 -62.28	112.99 5.38 -67.46	120.80 5.88 -70.05	143.88 6.89 -84.37	162.32 8.16 -91.89	166.11 6.65 -105.39	130.68 5.26 -80.47	113.45 5.08 -67.70	90.71 4.69 -50.20	65.68 4.07 -29.53	64.45 3.53 -32.23
SHOREHAM_IC_2 23716	86.13 3.19 -54.91	72.19 2.63 -45.68	55.00 2.60 -28.07	44.66 2.51 -17.81	43.79 2.39 -17.00	44.91 2.59 -16.18	40.12 3.08 -7.18	44.52 3.75 -6.41	48.22 3.83 -12.24	61.34 4.14 -23.54	66.00 4.30 -28.08	67.18 4.26 -29.35	73.72 4.65 -34.11	105.91 5.19 -62.28	112.99 5.38 -67.46	120.80 5.88 -70.05	143.88 6.89 -84.37	162.32 8.16 -91.89	166.11 6.65 -105.39	130.68 5.26 -80.47	113.45 5.08 -67.70	90.71 4.69 -50.20	65.68 4.07 -29.53	64.45 3.53 -32.23
SISSONVILLE____ 23735	26.21 -1.82 0.00	22.45 -1.43 0.00	22.87 -1.46 0.00	22.95 -1.39 0.00	23.04 -1.37 0.00	24.73 -1.41 0.00	28.38 -1.55 -0.07	32.48 -1.92 -0.04	30.30 -1.90 -0.04	31.73 -2.02 -0.09	31.49 -2.12 0.00	31.34 -2.25 -0.03	31.77 -2.38 0.81	36.07 -2.46 -0.09	27.87 -2.57 9.71	24.49 -2.87 17.51	39.59 -3.42 9.61	42.40 -4.05 15.83	40.02 -3.57 10.48	37.74 -2.61 4.60	37.04 -2.28 1.35	33.91 -1.93 -0.02	30.17 -1.92 -0.01	27.00 -1.69 0.00
SITHE_IND_GS1 24169	27.80 -0.87 -0.64	23.70 -0.74 -0.55	23.76 -0.78 -0.22	23.75 -0.78 -0.19	23.77 -0.78 -0.15	25.43 -0.86 -0.15	26.80 -0.96 2.11	22.64 -1.07 10.66	22.64 -1.03 8.49	22.64 -1.08 9.94	23.36 -1.01 9.24	23.70 -1.01 8.85	23.51 -1.05 10.40	24.68 -1.15 12.61	24.30 -1.29 14.57	23.81 -1.48 19.59	23.64 -1.74 27.24	23.81 -2.00 36.47	37.05 -1.68 15.34	31.53 -1.44 11.98	32.49 -1.26 6.92	30.53 -1.15 4.14	30.73 -0.96 0.39	27.98 -0.86 -0.15
SITHE_IND_GS2 24170	27.80 -0.87 -0.64	23.70 -0.74 -0.55	23.76 -0.78 -0.22	23.75 -0.78 -0.19	23.77 -0.78 -0.15	25.43 -0.86 -0.15	26.80 -0.96 2.11	22.64 -1.07 10.66	22.64 -1.03 8.49	22.64 -1.08 9.94	23.36 -1.01 9.24	23.70 -1.01 8.85	23.51 -1.05 10.40	24.68 -1.15 12.61	24.30 -1.29 14.57	23.81 -1.48 19.59	23.64 -1.74 27.24	23.81 -2.00 36.47	37.05 -1.68 15.34	31.53 -1.44 11.98	32.49 -1.26 6.92	30.53 -1.15 4.14	30.73 -0.96 0.39	27.98 -0.86 -0.15
SITHE_IND_GS3 24171	27.80 -0.87 -0.64	23.70 -0.74 -0.55	23.76 -0.78 -0.22	23.75 -0.78 -0.19	23.77 -0.78 -0.15	25.43 -0.86 -0.15	26.80 -0.96 2.11	22.64 -1.07 10.66	22.64 -1.03 8.49	22.64 -1.08 9.94	23.36 -1.01 9.24	23.70 -1.01 8.85	23.51 -1.05 10.40	24.68 -1.15 12.61	24.30 -1.29 14.57	23.81 -1.48 19.59	23.64 -1.74 27.24	23.81 -2.00 36.47	37.05 -1.68 15.34	31.53 -1.44 11.98	32.49 -1.26 6.92	30.53 -1.15 4.14	30.73 -0.96 0.39	27.98 -0.86 -0.15
SITHE_IND_GS4 24172	27.80 -0.87 -0.64	23.70 -0.74 -0.55	23.76 -0.78 -0.22	23.75 -0.78 -0.19	23.77 -0.78 -0.15	25.43 -0.86 -0.15	26.80 -0.96 2.11	22.64 -1.07 10.66	22.64 -1.03 8.49	22.64 -1.08 9.94	23.36 -1.01 9.24	23.70 -1.01 8.85	23.51 -1.05 10.40	24.68 -1.15 12.61	24.30 -1.29 14.57	23.81 -1.48 19.59	23.64 -1.74 27.24	23.81 -2.00 36.47	37.05 -1.68 15.34	31.53 -1.44 11.98	32.49 -1.26 6.92	30.53 -1.15 4.14	30.73 -0.96 0.39	27.98 -0.86 -0.15
SITHE__BATAVIA 24024	29.16 -0.37 -1.49	24.72 -0.45 -1.28	24.39 -0.44 -0.51	24.27 -0.51 -0.45	24.21 -0.54 -0.34	25.94 -0.55 -0.35	29.50 -0.75 -0.38	30.60 -1.51 2.25	28.96 -1.48 1.72	30.11 -1.75 1.80	30.43 -1.24 1.94	31.29 -1.18 1.10	32.46 -1.26 1.25	36.02 -1.04 1.38	37.09 -1.61 1.46	39.97 -2.47 2.44	47.49 -3.00 2.13	52.89 -3.05 6.34	50.40 -1.62 2.05	42.23 -1.17 1.55	38.88 -0.93 0.85	34.13 -1.25 0.44	31.34 -0.80 -0.06	28.60 -0.40 -0.31

SITHE___INDEPEND 23800	27.80 -0.87 -0.64	23.70 -0.74 -0.55	23.76 -0.78 -0.22	23.75 -0.78 -0.19	23.77 -0.78 -0.15	25.43 -0.86 -0.15	26.80 -0.96 2.11	22.64 -1.07 10.66	22.65 -1.03 8.48	22.65 -1.08 9.93	23.36 -1.01 9.24	23.73 -0.97 8.85	23.47 -1.08 10.40	24.64 -1.19 12.61	24.31 -1.28 14.56	23.82 -1.48 19.58	23.66 -1.74 27.22	23.83 -1.99 36.45	37.02 -1.68 15.37	31.48 -1.44 12.04	32.47 -1.26 6.94	30.52 -1.15 4.16	30.72 -0.96 0.40	27.97 -0.86 -0.14
SITHE___MASSENA 23902	27.08 -0.95 0.00	23.19 -0.69 0.00	23.60 -0.73 0.00	23.66 -0.68 0.00	23.75 -0.66 0.00	25.46 -0.68 0.00	29.09 -0.78 0.00	33.30 -1.07 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.43 -1.18 0.00	32.32 -1.24 0.00	32.66 -1.26 1.05	37.17 -1.27 0.00	24.96 -1.32 13.87	18.46 -1.48 24.94	36.85 -1.79 13.98	36.55 -2.12 23.61	36.81 -1.94 15.31	36.79 -1.35 6.81	37.53 -1.14 2.01	34.86 -0.97 0.00	31.12 -0.96 0.00	27.86 -0.83 0.00
SITHE___OGDNSBRG 24021	27.02 -1.01 0.00	23.12 -0.76 0.00	23.55 -0.78 0.00	23.63 -0.71 0.00	23.75 -0.66 0.00	25.46 -0.68 0.00	29.15 -0.72 0.00	33.34 -1.03 0.00	31.03 -1.13 0.00	32.41 -1.25 0.00	32.27 -1.34 0.00	32.08 -1.48 0.00	32.49 -1.54 0.93	36.94 -1.50 0.00	27.22 -1.53 11.41	22.62 -1.75 20.51	38.97 -2.10 11.55	40.67 -2.55 19.05	39.55 -2.16 12.36	38.04 -1.39 5.52	37.86 -1.18 1.63	34.82 -1.00 0.00	30.99 -1.09 0.00	27.74 -0.95 0.00
SITHE___STERLING 23777	29.42 0.78 -0.61	25.03 0.62 -0.52	25.14 0.61 -0.21	25.13 0.61 -0.18	25.20 0.66 -0.14	27.01 0.73 -0.14	31.07 0.93 -0.28	35.49 1.17 0.05	33.17 0.93 -0.08	34.92 1.01 -0.25	34.24 0.98 0.34	34.23 0.91 0.23	35.52 0.80 0.25	39.18 0.96 0.23	40.46 0.96 0.65	44.78 0.99 1.08	53.43 1.21 0.40	63.38 1.62 0.51	54.68 1.57 0.95	45.94 1.26 0.27	41.65 1.18 0.20	36.76 0.97 0.03	33.00 0.87 -0.05	29.58 0.74 -0.14
SLEIGHT___34_KV_TB1 80719	28.85 -0.42 -1.24	24.53 -0.43 -1.07	24.31 -0.44 -0.42	24.20 -0.51 -0.37	24.20 -0.49 -0.29	25.93 -0.50 -0.29	29.73 -0.54 -0.40	32.10 -0.93 1.34	30.26 -0.96 0.93	31.79 -1.04 0.83	31.65 -0.67 1.29	32.23 -0.54 0.79	33.38 -0.70 0.88	36.93 -0.58 0.93	38.36 -0.88 0.91	42.25 -1.21 1.42	50.24 -1.42 0.95	57.69 -1.43 3.15	51.55 -0.92 1.59	43.14 -0.81 1.00	39.42 -0.61 0.64	34.68 -0.82 0.31	31.61 -0.55 -0.08	28.60 -0.37 -0.28
SOUTH CAIRO___GT 23612	43.94 1.60 -14.31	37.56 1.34 -12.33	30.50 1.31 -4.86	29.94 1.31 -4.29	29.09 1.39 -3.29	31.02 1.49 -3.40	35.18 1.70 -3.61	36.19 1.82 0.00	35.39 1.48 -1.75	38.22 1.68 -2.88	35.16 1.55 0.00	34.94 1.38 0.00	36.50 1.54 0.00	40.20 1.69 -0.06	42.04 1.89 0.00	47.03 2.15 0.00	55.20 2.58 0.00	65.88 3.61 0.00	57.58 3.51 0.00	48.14 3.19 0.00	43.56 2.89 0.00	38.75 2.04 -0.89	34.42 1.64 -0.70	33.46 1.41 -3.36
SOUTH HAMPTN___IC 23720	86.47 3.53 -54.91	72.45 2.89 -45.68	55.26 2.87 -28.07	44.95 2.80 -17.81	44.06 2.66 -17.00	45.17 2.85 -16.18	40.42 3.37 -7.18	44.90 4.12 -6.41	48.67 4.28 -12.24	61.87 4.68 -23.54	66.67 4.97 -28.08	67.91 5.00 -29.35	74.24 5.45 -33.83	106.68 6.07 -62.17	112.19 6.34 -65.70	119.83 6.96 -68.00	142.27 8.21 -81.45	160.27 9.71 -88.29	163.76 8.06 -101.64	129.22 6.29 -77.98	112.49 5.94 -65.88	90.54 5.44 -49.28	66.33 4.72 -29.53	65.00 4.07 -32.23
SOUTHDOW___115KV_TB1 355954	29.64 -0.31 -1.92	25.11 -0.43 -1.66	24.54 -0.44 -0.65	24.43 -0.49 -0.58	24.29 -0.56 -0.44	26.07 -0.52 -0.46	29.66 -0.69 -0.49	31.42 -0.55 2.40	29.67 -0.68 1.82	30.92 -0.84 1.90	30.66 -0.94 2.01	31.95 -0.81 0.80	33.02 -1.05 0.90	36.71 -0.77 0.96	37.98 -1.20 0.97	40.89 -1.93 2.06	48.97 -2.42 1.23	52.94 -2.74 6.59	50.52 -1.78 1.76	41.97 -1.53 1.45	38.89 -1.06 0.72	34.17 -1.33 0.33	31.38 -0.80 -0.10	28.61 -0.49 -0.41
SOUTHOLD_69_KV_BK 2 55809	86.61 3.67 -54.91	72.57 3.01 -45.68	55.34 2.94 -28.07	45.10 2.94 -17.81	44.21 2.81 -17.00	45.27 2.95 -16.18	40.51 3.43 -7.21	45.07 4.30 -6.41	48.92 4.53 -12.23	62.20 5.02 -23.53	67.17 5.48 -28.08	68.52 5.60 -29.35	74.98 6.19 -33.83	107.59 7.00 -62.15	113.22 7.35 -65.72	120.98 8.08 -68.02	143.68 9.58 -81.49	162.06 11.46 -88.33	165.32 9.57 -101.68	130.42 7.46 -78.01	113.49 6.91 -65.90	91.37 6.30 -49.25	66.90 5.33 -29.49	65.38 4.62 -32.07
SOUTHOLD___IC 23719	86.61 3.67 -54.91	72.57 3.01 -45.68	55.34 2.94 -28.07	45.09 2.94 -17.81	44.21 2.81 -17.00	45.27 2.95 -16.18	40.48 3.43 -7.18	45.04 4.26 -6.41	48.90 4.50 -12.24	62.21 5.02 -23.54	67.17 5.48 -28.08	68.52 5.60 -29.35	74.99 6.19 -33.83	107.55 6.96 -62.15	113.22 7.35 -65.72	120.98 8.08 -68.02	143.68 9.58 -81.49	162.00 11.40 -88.33	165.27 9.52 -101.68	130.38 7.42 -78.01	113.45 6.87 -65.90	91.42 6.31 -49.29	66.94 5.33 -29.53	65.51 4.59 -32.23
SOUTH_FORK_WT_PWR 323839	86.30 3.36 -54.91	72.31 2.75 -45.68	55.07 2.68 -28.07	44.88 2.73 -17.81	43.99 2.59 -17.00	45.01 2.69 -16.18	40.15 3.11 -7.18	44.69 3.92 -6.41	48.61 4.21 -12.24	61.98 4.78 -23.54	66.97 5.28 -28.08	68.38 5.47 -29.35	74.91 6.12 -33.83	107.56 6.96 -62.16	113.17 7.31 -65.71	120.92 8.03 -68.01	143.55 9.47 -81.47	161.92 11.34 -88.31	165.19 9.46 -101.66	130.32 7.37 -77.99	113.39 6.83 -65.89	91.37 6.27 -49.28	66.90 5.29 -29.53	65.45 4.53 -32.23
SPIERFLS_115KV_TB 1 80737	45.37 1.54 -15.80	38.86 1.36 -13.61	30.93 1.24 -5.37	30.28 1.22 -4.73	29.36 1.32 -3.64	31.30 1.41 -3.75	35.58 1.73 -3.99	36.33 1.96 0.00	35.95 1.87 -1.93	38.75 1.85 -3.24	35.02 1.41 0.00	35.00 1.44 0.00	36.57 1.61 0.00	39.80 1.27 -0.09	41.60 1.45 0.00	46.63 1.75 0.00	54.67 2.05 0.00	65.07 2.80 0.00	57.10 3.03 0.00	47.69 2.74 0.00	43.44 2.77 0.00	39.13 2.33 -0.98	34.75 1.89 -0.78	33.92 1.52 -3.71
ST LAWRENCE____ 23600	27.22 -0.81 0.00	23.24 -0.64 0.00	23.67 -0.66 0.00	23.70 -0.63 0.00	23.79 -0.61 0.00	25.48 -0.65 0.00	29.12 -0.75 0.00	33.37 -1.00 0.00	31.20 -0.96 0.00	32.65 -1.01 0.00	32.53 -1.08 0.00	32.45 -1.11 0.00	32.71 -1.15 1.10	37.29 -1.15 0.00	37.77 -1.20 1.18	41.48 -1.35 2.05	49.19 -1.58 1.85	62.32 -1.87 -1.92	53.69 -1.62 -1.24	44.27 -1.21 -0.53	39.81 -1.02 -0.16	34.93 -0.89 0.00	31.18 -0.90 0.00	27.92 -0.77 0.00
STATE_CA_115KV_115_LB 55624	44.52 1.09 -15.40	38.11 0.96 -13.27	30.53 0.97 -5.23	29.92 0.97 -4.61	28.97 1.02 -3.54	30.84 1.05 -3.66	34.94 1.19 -3.89	35.64 1.27 0.00	35.29 1.25 -1.88	38.12 1.28 -3.18	34.86 1.24 0.00	34.80 1.24 0.00	36.33 1.36 0.00	39.88 1.35 -0.10	41.64 1.49 0.00	46.58 1.71 0.00	54.51 1.89 0.00	64.64 2.37 0.00	56.12 2.05 0.00	46.70 1.75 0.00	42.38 1.71 0.00	38.25 1.47 -0.96	34.12 1.28 -0.76	33.42 1.12 -3.61
STATE_ST_34_KV_LOAD 55959	29.40 0.06 -1.32	25.00 -0.02 -1.14	24.75 -0.02 -0.45	24.68 -0.05 -0.39	24.66 -0.05 -0.30	26.45 0.00 -0.31	30.62 0.06 -0.70	35.51 0.24 -0.91	33.20 0.06 -0.98	35.30 0.13 -1.51	34.15 0.17 -0.37	34.22 0.23 -0.42	35.70 0.17 -0.56	39.56 0.27 -0.85	41.33 0.16 -1.02	46.45 0.13 -1.43	55.80 0.21 -2.97	67.00 0.44 -4.29	54.18 0.32 0.21	45.67 0.18 -0.54	41.00 0.24 -0.08	36.05 0.07 -0.15	32.40 0.16 -0.16	29.14 0.11 -0.33

STATION 5_MISC_HYD 23604	28.92 -0.39 -1.28	24.56 -0.43 -1.10	24.32 -0.44 -0.43	24.23 -0.49 -0.38	24.21 -0.49 -0.29	25.92 -0.52 -0.30	29.53 -0.66 -0.32	30.89 -1.31 2.17	29.26 -1.25 1.65	30.52 -1.45 1.69	30.79 -0.91 1.91	31.51 -0.84 1.21	32.71 -0.87 1.38	36.14 -0.77 1.53	37.38 -1.17 1.61	40.66 -1.71 2.51	48.29 -2.05 2.28	54.18 -2.12 5.97	50.72 -1.19 2.16	42.50 -0.90 1.56	39.00 -0.77 0.90	34.35 -1.00 0.47	31.46 -0.68 -0.06	28.56 -0.40 -0.27
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	29.16 -0.14 -1.27	24.74 -0.24 -1.09	24.54 -0.22 -0.43	24.42 -0.29 -0.38	24.43 -0.27 -0.29	26.18 -0.26 -0.30	30.01 -0.27 -0.42	32.16 -0.62 1.59	30.30 -0.71 1.16	31.78 -0.77 1.10	31.78 -0.40 1.42	32.52 -0.27 0.77	33.65 -0.45 0.86	37.27 -0.27 0.90	38.72 -0.56 0.87	42.49 -0.90 1.49	50.68 -1.05 0.89	57.37 -1.00 3.91	52.02 -0.49 1.57	43.45 -0.45 1.06	39.76 -0.28 0.63	34.94 -0.57 0.30	31.84 -0.32 -0.08	28.86 -0.11 -0.29
STA_56_34_KV_BUS2_REV_LBMP_B 345033	28.79 -0.50 -1.27	24.45 -0.53 -1.09	24.22 -0.54 -0.43	24.13 -0.58 -0.38	24.09 -0.61 -0.29	25.81 -0.63 -0.30	29.44 -0.75 -0.32	30.80 -1.44 2.12	29.22 -1.35 1.59	30.53 -1.51 1.62	30.76 -0.97 1.87	31.60 -0.77 1.19	32.63 -0.98 1.35	36.09 -0.85 1.50	37.33 -1.24 1.58	40.67 -1.75 2.46	48.33 -2.05 2.24	54.32 -2.18 5.78	50.54 -1.41 2.12	42.30 -1.12 1.53	38.89 -0.89 0.89	34.25 -1.11 0.46	31.37 -0.77 -0.06	28.50 -0.46 -0.27
STA_56____34_KV_BUS2 355983	28.79 -0.50 -1.27	24.45 -0.53 -1.09	24.22 -0.54 -0.43	24.13 -0.58 -0.38	24.09 -0.61 -0.29	25.81 -0.63 -0.30	29.44 -0.75 -0.32	30.80 -1.44 2.12	29.22 -1.35 1.59	30.53 -1.51 1.62	30.76 -0.97 1.87	31.60 -0.77 1.19	32.63 -0.98 1.35	36.09 -0.85 1.50	37.33 -1.24 1.58	40.67 -1.75 2.46	48.33 -2.05 2.24	54.32 -2.18 5.78	50.54 -1.41 2.12	42.30 -1.12 1.53	38.89 -0.89 0.89	34.25 -1.11 0.46	31.37 -0.77 -0.06	28.50 -0.46 -0.27
STA_67____115KV_BK2 355882	28.86 -0.45 -1.28	24.51 -0.48 -1.10	24.30 -0.46 -0.43	24.18 -0.54 -0.38	24.16 -0.54 -0.29	25.87 -0.58 -0.30	29.47 -0.72 -0.32	30.72 -1.48 2.18	29.15 -1.38 1.63	30.45 -1.55 1.66	30.72 -0.97 1.92	31.57 -0.77 1.22	32.57 -1.01 1.38	36.02 -0.88 1.54	37.25 -1.28 1.61	40.57 -1.80 2.51	48.18 -2.16 2.28	54.05 -2.30 5.92	50.45 -1.46 2.16	42.22 -1.17 1.56	38.87 -0.89 0.90	34.27 -1.07 0.47	31.40 -0.74 -0.06	28.56 -0.40 -0.27
STA_7____115KV_9TRANS 80674	29.06 -0.25 -1.28	24.66 -0.33 -1.10	24.44 -0.32 -0.43	24.33 -0.39 -0.38	24.31 -0.39 -0.29	26.02 -0.42 -0.30	29.68 -0.51 -0.32	30.99 -1.20 2.17	29.38 -1.16 1.63	30.72 -1.28 1.66	30.96 -0.74 1.92	31.81 -0.54 1.21	32.85 -0.73 1.38	36.37 -0.54 1.53	37.62 -0.92 1.61	40.94 -1.44 2.51	48.66 -1.68 2.28	54.62 -1.74 5.91	50.94 -0.97 2.16	42.63 -0.76 1.56	39.24 -0.53 0.90	34.53 -0.82 0.47	31.62 -0.51 -0.06	28.76 -0.20 -0.27
STA_82____115KV_TB1 80780	28.90 -0.42 -1.29	24.52 -0.48 -1.11	24.30 -0.46 -0.44	24.21 -0.51 -0.39	24.16 -0.54 -0.30	25.87 -0.58 -0.31	29.50 -0.69 -0.32	30.77 -1.44 2.15	29.16 -1.38 1.61	30.50 -1.51 1.65	30.74 -0.97 1.90	31.59 -0.77 1.20	32.63 -0.98 1.36	36.05 -0.88 1.51	37.32 -1.24 1.59	40.60 -1.80 2.48	48.27 -2.10 2.25	54.10 -2.30 5.87	50.48 -1.46 2.13	42.24 -1.17 1.54	38.93 -0.85 0.89	34.28 -1.07 0.47	31.40 -0.74 -0.06	28.57 -0.40 -0.28
STEEL____WIND 323596	28.85 -0.95 -1.77	24.48 -0.93 -1.53	23.98 -0.95 -0.60	23.87 -1.00 -0.53	23.74 -1.07 -0.41	25.41 -1.15 -0.42	28.85 -1.46 -0.45	29.86 -2.13 2.38	28.31 -2.03 1.83	29.48 -2.22 1.96	29.61 -2.02 1.98	30.67 -1.95 0.94	31.90 -1.99 1.07	35.40 -1.84 1.19	36.44 -2.45 1.26	39.08 -3.45 2.35	46.57 -4.16 1.89	50.74 -4.67 6.86	49.08 -3.08 1.91	40.88 -2.52 1.56	37.68 -2.20 0.80	33.21 -2.22 0.39	30.55 -1.60 -0.08	27.90 -1.15 -0.36
STEPHTWN_115KV_BK_2 55603	44.51 1.26 -15.22	38.07 1.07 -13.11	30.59 1.09 -5.17	29.99 1.10 -4.56	29.05 1.15 -3.50	30.95 1.20 -3.61	35.08 1.37 -3.84	35.85 1.48 0.00	35.43 1.42 -1.86	38.26 1.45 -3.15	34.99 1.38 0.00	34.97 1.41 0.00	36.50 1.54 0.00	40.04 1.50 -0.10	41.80 1.65 0.00	46.76 1.88 0.00	54.78 2.16 0.00	65.01 2.74 0.00	56.50 2.43 0.00	47.02 2.07 0.00	42.66 1.99 0.00	38.45 1.68 -0.94	34.27 1.44 -0.75	33.55 1.29 -3.57
STEUBEN_REC_LFGE 323667	30.15 -0.22 -2.35	25.60 -0.31 -2.02	24.76 -0.36 -0.80	24.51 -0.54 -0.70	24.36 -0.59 -0.54	26.22 -0.47 -0.56	30.13 -0.45 -0.72	29.26 -0.79 4.32	27.61 -0.96 3.59	28.51 -1.08 4.07	29.53 -1.14 2.94	32.35 -0.97 0.24	33.54 -1.19 0.23	37.22 -1.08 0.14	38.52 -1.61 0.03	40.87 -2.06 1.94	50.96 -2.26 -0.61	47.66 -2.30 12.31	51.39 -1.51 1.16	41.92 -1.39 1.64	39.18 -1.06 0.43	34.48 -1.22 0.12	31.46 -0.77 -0.15	28.64 -0.57 -0.53
STILLWATER____SOLAR 323814	45.48 1.74 -15.71	38.93 1.51 -13.54	31.10 1.43 -5.34	30.48 1.44 -4.70	29.51 1.49 -3.62	31.46 1.59 -3.73	35.71 1.88 -3.96	36.47 2.10 0.00	36.05 1.96 -1.92	38.89 1.99 -3.24	35.36 1.75 0.00	35.34 1.78 0.00	36.85 1.89 0.00	40.34 1.81 -0.09	42.16 2.01 0.00	47.21 2.33 0.00	55.35 2.73 0.00	65.76 3.49 0.00	57.37 3.30 0.00	47.83 2.88 0.00	43.39 2.73 0.00	39.14 2.33 -0.99	34.85 1.99 -0.78	34.12 1.69 -3.74
STONY____BROOK 24151	86.27 3.33 -54.91	72.33 2.77 -45.68	55.17 2.77 -28.07	44.80 2.65 -17.81	43.94 2.54 -17.00	45.07 2.74 -16.18	40.33 3.29 -7.18	44.73 3.95 -6.41	48.42 4.02 -12.24	61.51 4.31 -23.54	66.13 4.44 -28.09	67.36 4.43 -29.37	75.23 4.65 -35.62	108.00 4.80 -64.76	122.28 5.06 -77.07	131.74 5.61 -81.25	159.57 6.63 -100.32	181.36 7.53 -111.56	186.10 6.11 -125.93	143.99 4.94 -94.09	122.97 4.68 -77.63	95.40 4.33 -55.24	65.75 4.14 -29.53	64.51 3.59 -32.23
STURGEON_POOL_HYD 23609	42.23 1.85 -12.35	36.01 1.48 -10.64	30.08 1.56 -4.19	29.49 1.46 -3.70	28.66 1.42 -2.84	30.61 1.54 -2.93	34.83 1.85 -3.12	36.84 2.47 0.00	36.02 2.35 -1.51	38.67 2.69 -2.32	36.37 2.76 0.00	36.31 2.75 0.00	37.93 2.97 0.00	41.71 3.27 0.00	43.48 3.33 0.00	48.65 3.77 0.00	57.14 4.53 0.00	67.38 5.11 0.00	58.12 4.06 0.00	48.05 3.10 0.00	43.64 2.97 0.00	39.17 2.58 -0.77	35.13 2.44 -0.61	33.66 2.07 -2.90
ST_LAW_115_BK7_LBMP 345037	27.13 -0.90 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.66 -0.68 0.00	23.72 -0.68 0.00	25.43 -0.70 0.00	29.03 -0.84 0.00	33.27 -1.10 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.47 -1.14 0.00	32.35 -1.21 0.00	32.62 -1.26 1.08	37.17 -1.27 0.00	37.94 -1.29 0.92	41.73 -1.48 1.67	49.34 -1.69 1.59	62.52 -2.05 -2.30	53.72 -1.84 -1.49	44.31 -1.31 -0.66	39.73 -1.14 -0.20	34.86 -0.97 0.00	31.12 -0.96 0.00	27.83 -0.86 0.00
ST_LAW_115_BK8_LBMP 345038	27.13 -0.90 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.66 -0.68 0.00	23.72 -0.68 0.00	25.43 -0.70 0.00	29.03 -0.84 0.00	33.27 -1.10 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.47 -1.14 0.00	32.35 -1.21 0.00	32.62 -1.26 1.08	37.17 -1.27 0.00	37.94 -1.29 0.92	41.73 -1.48 1.67	49.34 -1.69 1.59	62.52 -2.05 -2.30	53.72 -1.84 -1.49	44.31 -1.31 -0.66	39.73 -1.14 -0.20	34.86 -0.97 0.00	31.12 -0.96 0.00	27.83 -0.86 0.00

ST_LAW_230_BK5_LBMP 345035	27.22 -0.81 0.00	23.24 -0.64 0.00	23.67 -0.66 0.00	23.70 -0.63 0.00	23.79 -0.61 0.00	25.48 -0.65 0.00	29.12 -0.75 0.00	33.37 -1.00 0.00	31.20 -0.96 0.00	32.65 -1.01 0.00	32.53 -1.08 0.00	32.45 -1.11 0.00	32.70 -1.15 1.11	37.29 -1.15 0.00	37.53 -1.20 1.42	40.97 -1.35 2.57	48.95 -1.58 2.09	61.80 -1.87 -1.40	53.35 -1.62 -0.91	44.14 -1.21 -0.40	39.77 -1.02 -0.12	34.93 -0.89 0.00	31.18 -0.90 0.00	27.92 -0.77 0.00
ST_LAW_230_BK6_LBMP 345036	27.22 -0.81 0.00	23.24 -0.64 0.00	23.67 -0.66 0.00	23.70 -0.63 0.00	23.79 -0.61 0.00	25.48 -0.65 0.00	29.12 -0.75 0.00	33.37 -1.00 0.00	31.20 -0.96 0.00	32.65 -1.01 0.00	32.53 -1.08 0.00	32.45 -1.11 0.00	32.70 -1.15 1.11	37.29 -1.15 0.00	37.53 -1.20 1.42	40.97 -1.35 2.57	48.95 -1.58 2.09	61.80 -1.87 -1.40	53.35 -1.62 -0.91	44.14 -1.21 -0.40	39.77 -1.02 -0.12	34.93 -0.89 0.00	31.18 -0.90 0.00	27.92 -0.77 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	40.98 1.88 -11.07	34.98 1.55 -9.54	29.72 1.63 -3.76	29.19 1.53 -3.32	28.47 1.51 -2.55	30.39 1.62 -2.63	34.51 1.85 -2.79	36.57 2.20 0.00	35.71 2.22 -1.33	36.16 2.36 -0.14	36.03 2.42 0.00	35.98 2.42 0.00	37.59 2.62 0.00	40.55 2.73 0.62	43.08 2.93 0.00	48.20 3.32 0.00	56.62 4.00 0.00	66.82 4.55 0.00	57.64 3.57 0.00	47.69 2.74 0.00	43.35 2.68 0.00	39.01 2.51 -0.68	34.96 2.34 -0.54	33.29 2.04 -2.56
SWANROAD_115KV_TB1 355699	28.20 -1.46 -1.62	23.93 -1.36 -1.40	23.51 -1.36 -0.55	23.39 -1.44 -0.49	23.26 -1.51 -0.37	24.90 -1.62 -0.39	28.24 -2.03 -0.41	28.78 -3.26 2.32	27.42 -2.99 1.75	28.52 -3.30 1.84	28.87 -2.76 1.99	30.00 -2.52 1.04	30.92 -2.87 1.18	34.25 -2.88 1.31	35.28 -3.49 1.38	37.88 -4.58 2.42	44.97 -5.58 2.07	49.59 -6.16 6.52	47.47 -4.60 2.00	39.70 -3.69 1.57	36.82 -3.01 0.84	32.43 -2.97 0.41	29.94 -2.21 -0.07	27.49 -1.55 -0.35
SYNERGY___BIOGAS 323694	29.16 -0.37 -1.49	24.72 -0.45 -1.28	24.39 -0.44 -0.51	24.27 -0.51 -0.45	24.21 -0.54 -0.34	25.94 -0.55 -0.35	29.50 -0.75 -0.38	30.60 -1.51 2.25	28.96 -1.48 1.72	30.11 -1.75 1.80	30.43 -1.24 1.94	31.29 -1.18 1.10	32.46 -1.26 1.25	36.02 -1.04 1.38	37.09 -1.61 1.46	39.97 -2.47 2.44	47.49 -3.00 2.13	52.89 -3.05 6.34	50.40 -1.62 2.05	42.23 -1.17 1.55	38.88 -0.93 0.85	34.13 -1.25 0.44	31.34 -0.80 -0.06	28.60 -0.40 -0.31
SYRACUSE___ENERGY_ST1 323597	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.19 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.35 -0.13 -0.83	33.51 -0.10 0.00	33.77 -0.03 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.75 -0.16 -0.76	45.61 -0.22 -0.96	55.02 -0.21 -2.62	64.50 -0.19 -2.41	53.92 -0.22 -0.07	45.33 -0.22 -0.61	40.72 -0.16 -0.22	35.82 -0.21 -0.22	32.13 -0.10 -0.15	28.86 -0.09 -0.26
SYRACUSE___ENERGY_ST2 323598	28.94 -0.11 -1.02	24.63 -0.14 -0.88	24.50 -0.17 -0.35	24.45 -0.19 -0.31	24.47 -0.17 -0.24	26.20 -0.18 -0.24	30.38 -0.18 -0.69	34.57 -0.07 -0.27	32.40 -0.16 -0.40	34.35 -0.13 -0.83	33.51 -0.10 0.00	33.77 -0.03 -0.24	35.21 -0.10 -0.35	38.98 -0.08 -0.62	40.75 -0.16 -0.76	45.61 -0.22 -0.96	55.02 -0.21 -2.62	64.50 -0.19 -2.41	53.92 -0.22 -0.07	45.33 -0.22 -0.61	40.72 -0.16 -0.22	35.82 -0.21 -0.22	32.13 -0.10 -0.15	28.86 -0.09 -0.26
SYRACUSE___POWER 24017	28.76 -0.22 -0.95	24.47 -0.24 -0.82	24.38 -0.27 -0.32	24.33 -0.29 -0.29	24.36 -0.27 -0.22	26.08 -0.29 -0.23	30.10 -0.30 -0.53	33.39 -0.34 0.64	31.42 -0.39 0.36	33.15 -0.37 0.14	32.58 -0.30 0.73	32.81 -0.23 0.52	34.09 -0.31 0.56	37.57 -0.35 0.53	39.11 -0.40 0.64	43.44 -0.49 0.94	51.81 -0.58 0.23	60.46 -0.62 1.19	52.88 -0.38 0.81	44.29 -0.40 0.25	40.17 -0.28 0.21	35.41 -0.36 0.06	31.97 -0.19 -0.08	28.69 -0.20 -0.20
TALLMAN___138KV_BK151 55660	41.54 2.05 -11.46	35.43 1.67 -9.87	29.99 1.78 -3.89	29.45 1.68 -3.43	28.68 1.64 -2.64	30.64 1.78 -2.72	34.82 2.06 -2.89	36.84 2.47 0.00	36.05 2.51 -1.38	35.77 2.63 0.51	36.30 2.69 0.00	36.31 2.75 0.00	37.90 2.94 0.00	40.66 3.08 0.86	43.40 3.25 0.00	48.60 3.72 0.00	57.09 4.47 0.00	67.32 5.04 0.00	58.02 3.95 0.00	47.96 3.01 0.00	43.56 2.89 0.00	39.28 2.76 -0.70	35.27 2.63 -0.56	33.61 2.27 -2.65
TEALLAVE_115KV_TB7 355573	28.67 -0.25 -0.89	24.41 -0.24 -0.77	24.36 -0.27 -0.30	24.31 -0.29 -0.27	24.32 -0.29 -0.20	26.03 -0.31 -0.21	30.03 -0.30 -0.46	33.13 -0.38 0.86	31.20 -0.42 0.54	32.88 -0.40 0.37	32.37 -0.34 0.91	32.59 -0.27 0.70	33.80 -0.38 0.77	37.25 -0.38 0.80	38.67 -0.48 1.00	42.86 -0.58 1.43	51.00 -0.68 0.93	59.44 -0.75 2.09	52.56 -0.43 1.08	44.01 -0.45 0.49	39.97 -0.37 0.33	35.30 -0.39 0.13	31.92 -0.22 -0.06	28.67 -0.20 -0.18
TELGRAPH_34_KV_EAST 80808	28.76 -0.81 -1.54	24.38 -0.84 -1.33	24.02 -0.83 -0.52	23.92 -0.88 -0.46	23.83 -0.93 -0.35	25.51 -0.99 -0.37	28.97 -1.28 -0.39	29.85 -2.23 2.28	28.35 -2.09 1.72	29.51 -2.36 1.79	29.84 -1.82 1.96	30.91 -1.58 1.07	31.85 -1.89 1.22	35.35 -1.73 1.36	36.39 -2.33 1.43	39.22 -3.23 2.43	46.57 -3.95 2.10	51.68 -4.23 6.36	49.12 -2.92 2.03	41.10 -2.29 1.56	38.03 -1.79 0.85	33.43 -1.97 0.43	30.77 -1.38 -0.07	28.19 -0.83 -0.33
TEMPLE___115KV_TB 2 55572	28.70 -0.22 -0.90	24.42 -0.24 -0.77	24.39 -0.24 -0.30	24.31 -0.29 -0.27	24.34 -0.27 -0.21	26.06 -0.29 -0.21	30.03 -0.30 -0.46	33.07 -0.38 0.92	31.15 -0.42 0.59	32.83 -0.40 0.43	32.35 -0.30 0.96	32.54 -0.27 0.75	33.78 -0.35 0.83	37.22 -0.35 0.87	38.59 -0.48 1.08	42.76 -0.58 1.53	50.90 -0.63 1.08	59.24 -0.75 2.28	52.54 -0.43 1.09	43.99 -0.45 0.52	40.00 -0.33 0.35	35.29 -0.39 0.14	31.92 -0.22 -0.06	28.67 -0.20 -0.18
TIANA___69_KV_BK 1 55817	86.44 3.50 -54.91	72.45 2.89 -45.68	55.27 2.87 -28.07	44.93 2.77 -17.81	44.04 2.64 -17.00	45.17 2.85 -16.18	40.42 3.34 -7.21	44.90 4.12 -6.41	48.63 4.25 -12.23	61.80 4.61 -23.53	66.57 4.87 -28.08	67.78 4.87 -29.35	74.11 5.31 -33.83	106.48 5.88 -62.16	111.97 6.10 -65.72	119.58 6.69 -68.02	142.04 7.95 -81.48	160.00 9.40 -88.33	163.53 7.79 -101.68	129.07 6.11 -78.01	112.34 5.78 -65.90	90.33 5.27 -49.25	66.13 4.56 -29.49	64.72 3.96 -32.07
TILDEN___115KV_TB1 80814	28.76 -0.22 -0.95	24.47 -0.24 -0.82	24.38 -0.27 -0.32	24.33 -0.29 -0.29	24.36 -0.27 -0.22	26.08 -0.29 -0.23	30.10 -0.30 -0.53	33.39 -0.34 0.64	31.42 -0.39 0.36	33.15 -0.37 0.14	32.58 -0.30 0.73	32.81 -0.23 0.52	34.09 -0.31 0.56	37.57 -0.35 0.53	39.11 -0.40 0.64	43.44 -0.49 0.94	51.81 -0.58 0.23	60.46 -0.62 1.19	52.88 -0.38 0.81	44.29 -0.40 0.25	40.17 -0.28 0.21	35.41 -0.36 0.06	31.97 -0.19 -0.08	28.69 -0.20 -0.20
TRIGEN___CC 323695	85.66 2.72 -54.91	71.81 2.25 -45.68	54.71 2.31 -28.07	44.37 2.21 -17.81	43.57 2.17 -17.00	44.67 2.35 -16.18	39.88 2.81 -7.21	44.11 3.33 -6.41	47.70 3.31 -12.23	60.69 3.50 -23.53	65.25 3.56 -28.07	66.45 3.62 -29.27	66.32 3.85 -27.51	66.55 4.07 -24.03	70.11 4.30 -25.66	71.03 4.85 -21.30	73.39 5.79 -14.99	75.21 6.60 -6.34	75.46 5.30 -16.09	70.31 4.14 -21.22	69.06 3.90 -24.49	67.69 3.65 -28.21	64.94 3.37 -29.49	63.72 2.96 -32.07

TRINITY__115KV__4 BK 55933	44.28 0.98 -15.27	37.88 0.84 -13.15	30.39 0.88 -5.19	29.81 0.90 -4.57	28.85 0.93 -3.51	30.70 0.94 -3.63	34.76 1.05 -3.85	35.47 1.10 0.00	35.12 1.09 -1.86	37.97 1.14 -3.16	34.69 1.08 0.00	34.63 1.07 0.00	36.15 1.19 0.00	39.69 1.15 -0.10	41.44 1.28 0.00	46.36 1.48 0.00	54.25 1.63 0.00	64.27 1.99 0.00	55.85 1.78 0.00	46.48 1.53 0.00	42.13 1.46 0.00	38.02 1.25 -0.95	33.95 1.12 -0.75	33.28 1.00 -3.58
UNION__PROCESSING_DRP 323587	28.90 -0.42 -1.29	24.52 -0.48 -1.11	24.30 -0.46 -0.44	24.21 -0.51 -0.39	24.16 -0.54 -0.30	25.89 -0.55 -0.31	29.50 -0.69 -0.32	30.78 -1.44 2.14	29.20 -1.35 1.61	30.50 -1.51 1.64	30.78 -0.94 1.89	31.60 -0.77 1.19	32.64 -0.98 1.35	36.09 -0.85 1.50	37.33 -1.24 1.58	40.66 -1.75 2.46	48.28 -2.10 2.23	54.18 -2.24 5.85	50.54 -1.41 2.12	42.29 -1.12 1.54	38.93 -0.85 0.89	34.28 -1.07 0.46	31.43 -0.71 -0.06	28.57 -0.40 -0.28
UPPER HUDSON__HYD 24058	45.37 1.54 -15.80	38.86 1.36 -13.61	30.93 1.24 -5.37	30.28 1.22 -4.73	29.36 1.32 -3.64	31.30 1.41 -3.75	35.58 1.73 -3.98	36.33 1.96 0.00	35.96 1.86 -1.94	38.76 1.85 -3.25	35.02 1.41 0.00	35.00 1.44 0.00	36.57 1.61 0.00	39.80 1.27 -0.09	41.59 1.44 0.00	46.63 1.75 0.00	54.67 2.05 0.00	65.08 2.80 0.00	57.09 3.03 0.00	47.69 2.74 0.00	43.44 2.77 0.00	39.14 2.33 -0.99	34.76 1.89 -0.79	33.97 1.52 -3.76
UPPER RAQUET__HYD 24056	26.21 -1.82 0.00	22.45 -1.43 0.00	22.87 -1.46 0.00	22.95 -1.39 0.00	23.06 -1.34 0.00	24.72 -1.41 0.00	28.38 -1.55 -0.07	32.48 -1.92 -0.04	30.30 -1.90 -0.04	31.73 -2.02 -0.09	31.50 -2.12 0.00	31.35 -2.25 -0.03	31.77 -2.38 0.81	36.03 -2.50 -0.09	27.87 -2.57 9.71	24.49 -2.87 17.52	39.59 -3.42 9.61	42.32 -4.05 15.90	39.98 -3.57 10.52	37.75 -2.61 4.59	37.09 -2.24 1.35	33.91 -1.93 -0.02	30.17 -1.92 -0.01	27.03 -1.66 0.00
VALLEY44_115KV_TB2 355964	28.47 -1.54 -1.98	24.14 -1.46 -1.71	23.54 -1.46 -0.67	23.42 -1.51 -0.59	23.27 -1.59 -0.46	24.96 -1.65 -0.47	28.39 -1.97 -0.50	30.36 -1.62 2.39	28.58 -1.77 1.81	29.88 -1.88 1.89	29.05 -2.55 2.01	30.45 -2.35 0.76	31.53 -2.59 0.84	35.05 -2.50 0.89	36.29 -2.97 0.89	39.25 -3.64 1.99	47.32 -4.21 1.09	50.86 -4.86 6.55	48.51 -3.84 1.72	40.11 -3.42 1.42	37.04 -2.93 0.70	32.57 -2.94 0.31	29.91 -2.28 -0.10	27.28 -1.84 -0.42
VALLEY__115KV_TB 1-4 80826	28.93 0.90 0.00	24.63 0.74 0.00	25.08 0.75 0.00	25.07 0.73 0.00	25.16 0.76 0.00	26.95 0.81 0.00	30.85 0.99 0.00	35.50 1.13 0.00	33.19 1.03 0.00	34.80 1.14 0.00	34.72 1.11 0.00	34.67 1.11 0.00	36.10 1.08 -0.05	39.63 1.19 0.00	41.31 1.24 0.08	46.08 1.35 0.15	54.10 1.53 0.04	63.78 1.87 0.37	55.51 1.68 0.24	46.19 1.35 0.11	41.90 1.26 0.03	36.90 1.07 0.00	33.07 0.99 0.00	29.55 0.86 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	33.22 1.96 -3.23	28.22 1.55 -2.78	27.00 1.58 -1.10	26.84 1.53 -0.97	26.73 1.59 -0.74	28.68 1.78 -0.77	33.16 2.30 -1.00	39.36 3.13 -1.87	36.78 2.57 -2.05	39.26 2.89 -2.71	37.00 2.66 -0.73	36.86 2.58 -0.72	38.16 2.31 -0.89	42.38 2.77 -1.18	43.47 2.09 -1.23	48.96 2.29 -1.79	58.36 2.63 -3.11	72.04 3.18 -6.59	57.08 2.87 -0.15	47.67 2.29 -0.43	42.77 1.99 -0.11	37.91 1.72 -0.37	33.91 1.54 -0.29	31.17 1.32 -1.16
VISCHER__FERRY HYD 24020	44.97 1.48 -15.46	38.50 1.29 -13.32	30.86 1.29 -5.25	30.23 1.26 -4.63	29.25 1.29 -3.56	31.19 1.38 -3.67	35.34 1.58 -3.90	36.15 1.79 0.00	35.72 1.67 -1.89	38.59 1.72 -3.21	35.13 1.51 0.00	35.10 1.54 0.00	36.61 1.64 0.00	40.15 1.61 -0.10	42.00 1.85 0.00	46.99 2.11 0.00	55.14 2.53 0.00	65.32 3.05 0.00	56.88 2.81 0.00	47.29 2.34 0.00	42.86 2.19 0.00	38.62 1.83 -0.97	34.49 1.64 -0.77	33.84 1.46 -3.69
V_A_10_SYNC_DSASP 323832	28.47 -1.01 -1.45	24.18 -0.96 -1.25	23.87 -0.95 -0.49	23.77 -1.00 -0.43	23.69 -1.05 -0.33	25.36 -1.12 -0.34	28.80 -1.43 -0.37	29.48 -2.58 2.31	28.05 -2.35 1.76	29.13 -2.69 1.83	29.62 -1.98 2.01	30.47 -1.91 1.18	31.63 -1.99 1.34	34.99 -1.96 1.49	36.09 -2.49 1.57	38.95 -3.37 2.56	46.34 -4.10 2.18	51.28 -4.54 6.45	48.89 -3.03 2.15	40.96 -2.38 1.61	37.65 -2.12 0.90	33.28 -2.08 0.46	30.60 -1.54 -0.06	27.90 -1.09 -0.30
V_CMM_10_SYNC_DSASP 323787	27.22 -0.81 0.00	23.27 -0.62 0.00	23.69 -0.63 0.00	23.75 -0.58 0.00	23.82 -0.59 0.00	25.54 -0.60 0.00	29.15 -0.72 0.00	33.41 -0.96 0.00	31.23 -0.93 0.00	32.68 -0.98 0.00	32.57 -1.04 0.00	32.48 -1.08 0.00	32.76 -1.12 1.08	37.32 -1.12 0.00	38.11 -1.12 0.92	41.91 -1.30 1.67	49.50 -1.53 1.59	62.77 -1.81 -2.30	53.94 -1.62 -1.49	44.45 -1.17 -0.66	39.89 -0.98 -0.20	35.00 -0.82 0.00	31.25 -0.83 0.00	27.94 -0.75 0.00
V_CMP_10_SYNC_DSASP 323788	27.47 -0.56 0.00	23.53 -0.36 0.00	23.93 -0.39 0.00	24.02 -0.32 0.00	24.28 -0.12 0.00	26.06 -0.08 0.00	29.77 -0.09 0.00	34.23 -0.14 0.00	31.97 -0.19 0.00	33.39 -0.27 0.00	33.21 -0.40 0.00	32.89 -0.67 0.00	33.05 -0.84 1.07	37.48 -0.96 0.00	36.39 -1.04 2.72	38.77 -1.21 4.90	48.05 -1.26 3.31	59.76 -1.19 1.33	52.29 -0.92 0.86	44.61 0.04 0.38	40.84 0.29 0.11	35.89 0.07 0.00	31.92 -0.16 0.00	28.69 0.00 0.00
V_D_10_SYNC_DSASP 323841	27.11 -0.92 0.00	23.19 -0.69 0.00	23.62 -0.71 0.00	23.68 -0.66 0.00	23.77 -0.63 0.00	25.46 -0.68 0.00	29.09 -0.78 0.00	33.30 -1.07 0.00	31.13 -1.03 0.00	32.55 -1.11 0.00	32.47 -1.14 0.00	32.35 -1.21 0.00	32.66 -1.26 1.05	37.17 -1.27 0.00	38.72 -1.29 0.15	43.12 -1.48 0.27	50.06 -1.74 0.83	63.87 -2.12 -3.71	54.58 -1.89 -2.41	44.72 -1.31 -1.07	39.89 -1.10 -0.32	34.89 -0.93 0.00	31.12 -0.96 0.00	27.86 -0.83 0.00
V_E_10_SYNC_DSASP 323830	33.16 2.21 -2.92	28.17 1.77 -2.51	27.09 1.77 -0.99	26.91 1.70 -0.87	26.88 1.81 -0.67	28.87 2.04 -0.69	33.44 2.63 -0.95	41.27 3.37 -3.54	38.30 2.57 -3.57	41.04 2.79 -4.59	38.01 2.49 -1.91	36.64 2.35 -0.73	37.97 2.10 -0.91	42.15 2.50 -1.21	43.67 2.21 -1.31	50.00 2.42 -2.70	58.42 2.79 -3.01	77.25 3.86 -11.12	57.50 3.78 0.35	48.91 3.24 -0.72	43.57 3.01 0.11	38.43 2.47 -0.14	34.49 2.21 -0.20	31.34 1.86 -0.79
V_F_30_NSYNC__DSASP 323816	45.55 1.77 -15.75	38.99 1.53 -13.57	31.13 1.46 -5.35	30.51 1.46 -4.72	29.54 1.51 -3.63	31.50 1.62 -3.74	35.75 1.91 -3.97	36.50 2.13 0.00	36.08 2.02 -1.93	38.92 2.20 -3.25	35.43 1.81 0.00	35.37 1.81 0.00	36.92 1.96 0.00	40.42 1.88 -0.09	42.24 2.09 0.00	47.30 2.42 0.00	55.46 2.84 0.00	65.88 3.61 0.00	57.48 3.41 0.00	47.92 2.97 0.00	43.44 2.77 0.00	39.18 2.36 -0.99	34.92 2.05 -0.78	34.16 1.72 -3.75
V_F_30_SYNC_DSASP 323786	44.51 1.09 -15.39	38.10 0.96 -13.26	30.52 0.97 -5.23	29.92 0.97 -4.61	28.97 1.02 -3.54	30.84 1.05 -3.65	34.91 1.16 -3.88	35.64 1.27 0.00	35.26 1.22 -1.88	38.12 1.28 -3.18	34.86 1.24 0.00	34.80 1.24 0.00	36.33 1.36 0.00	39.88 1.35 -0.10	41.64 1.49 0.00	46.58 1.71 0.00	54.51 1.89 0.00	64.64 2.37 0.00	56.12 2.05 0.00	46.70 1.75 0.00	42.38 1.71 0.00	38.24 1.47 -0.95	34.12 1.28 -0.76	33.42 1.12 -3.61



V_XM10_SYNC_DSASP 323789	27.47 -0.56 0.00	23.53 -0.36 0.00	23.93 -0.39 0.00	24.02 -0.32 0.00	24.28 -0.12 0.00	26.06 -0.08 0.00	29.77 -0.09 0.00	34.23 -0.14 0.00	31.97 -0.19 0.00	33.39 -0.27 0.00	33.21 -0.40 0.00	32.89 -0.67 0.00	33.05 -0.84 1.07	37.48 -0.96 0.00	36.39 -1.04 2.72	38.77 -1.21 4.90	48.05 -1.26 3.31	59.76 -1.19 1.33	52.29 -0.92 0.86	44.61 0.04 0.38	40.84 0.29 0.11	35.89 0.07 0.00	31.92 -0.16 0.00	28.69 0.00 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	41.67 2.10 -11.54	35.55 1.72 -9.94	30.07 1.82 -3.92	29.54 1.75 -3.45	28.77 1.71 -2.66	30.71 1.83 -2.74	34.90 2.12 -2.91	36.91 2.54 0.00	36.12 2.57 -1.39	35.60 2.69 0.75	36.40 2.79 0.00	36.38 2.82 0.00	38.00 3.04 0.00	40.69 3.19 0.94	43.52 3.37 0.00	48.74 3.86 0.00	57.20 4.58 0.00	67.50 5.23 0.00	58.12 4.06 0.00	48.05 3.10 0.00	43.68 3.01 0.00	39.36 2.83 -0.71	35.33 2.69 -0.56	33.69 2.32 -2.67
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	42.53 2.49 -12.00	36.31 2.08 -10.34	30.54 2.14 -4.08	29.95 2.02 -3.59	29.14 1.98 -2.76	31.13 2.14 -2.85	35.49 2.60 -3.03	37.53 3.16 0.00	36.80 3.18 -1.45	40.93 3.37 -3.90	40.78 3.46 -3.70	41.04 3.52 -3.96	42.33 3.74 -3.63	45.44 3.96 -3.04	47.26 4.18 -2.93	49.55 4.67 0.00	58.14 5.52 0.00	68.50 6.23 0.00	58.99 4.92 0.00	48.77 3.82 0.00	44.29 3.62 0.00	39.96 3.40 -0.74	35.84 3.18 -0.59	34.27 2.78 -2.80
W50THST__13_KV_LOAD 356117	42.70 2.66 -12.00	36.45 2.22 -10.34	30.69 2.29 -4.08	30.10 2.17 -3.59	29.29 2.12 -2.76	31.31 2.33 -2.85	35.73 2.84 -3.03	37.77 3.40 0.00	37.02 3.41 -1.45	41.23 3.67 -3.90	41.08 3.76 -3.70	41.35 3.83 -3.96	42.68 4.09 -3.63	45.82 4.34 -3.04	47.62 4.54 -2.93	49.86 4.98 0.00	58.56 5.95 0.00	68.94 6.66 0.00	59.37 5.30 0.00	49.13 4.18 0.00	44.57 3.90 0.00	40.18 3.62 -0.74	36.00 3.34 -0.59	34.45 2.96 -2.80
WADING RIVER_IC_1 23522	86.08 3.14 -54.91	72.14 2.58 -45.68	54.97 2.58 -28.07	44.61 2.46 -17.81	43.74 2.34 -17.00	44.86 2.53 -16.18	40.06 3.02 -7.18	44.45 3.68 -6.41	48.19 3.79 -12.24	61.30 4.10 -23.54	65.96 4.27 -28.08	67.17 4.26 -29.35	73.43 4.65 -33.81	105.87 5.15 -62.28	111.09 5.34 -65.60	118.58 5.83 -67.87	140.73 6.84 -81.28	158.44 8.09 -88.07	162.07 6.59 -101.41	127.99 5.21 -77.83	111.44 5.00 -65.77	89.67 4.62 -49.22	65.65 4.04 -29.53	64.39 3.47 -32.23
WADING RIVER_IC_2 23547	86.08 3.14 -54.91	72.14 2.58 -45.68	54.97 2.58 -28.07	44.61 2.46 -17.81	43.74 2.34 -17.00	44.86 2.53 -16.18	40.06 3.02 -7.18	44.45 3.68 -6.41	48.19 3.79 -12.24	61.30 4.10 -23.54	65.96 4.27 -28.08	67.17 4.26 -29.35	73.43 4.65 -33.81	105.87 5.15 -62.28	111.09 5.34 -65.60	118.58 5.83 -67.87	140.73 6.84 -81.28	158.44 8.09 -88.07	162.07 6.59 -101.41	127.99 5.21 -77.83	111.44 5.00 -65.77	89.67 4.62 -49.22	65.65 4.04 -29.53	64.39 3.47 -32.23
WADING RIVER_IC_3 23601	86.08 3.14 -54.91	72.14 2.58 -45.68	54.97 2.58 -28.07	44.61 2.46 -17.81	43.74 2.34 -17.00	44.86 2.53 -16.18	40.06 3.02 -7.18	44.45 3.68 -6.41	48.19 3.79 -12.24	61.30 4.10 -23.54	65.96 4.27 -28.08	67.17 4.26 -29.35	73.43 4.65 -33.81	105.87 5.15 -62.28	111.09 5.34 -65.60	118.58 5.83 -67.87	140.73 6.84 -81.28	158.44 8.09 -88.07	162.07 6.59 -101.41	127.99 5.21 -77.83	111.44 5.00 -65.77	89.67 4.62 -49.22	65.65 4.04 -29.53	64.39 3.47 -32.23
WALDENNY_12_KV_BK2 80841	28.89 -0.90 -1.76	24.49 -0.91 -1.51	24.00 -0.92 -0.60	23.89 -0.97 -0.53	23.76 -1.05 -0.40	25.46 -1.10 -0.42	28.87 -1.43 -0.44	29.94 -2.06 2.37	28.40 -1.96 1.79	29.57 -2.19 1.91	29.70 -1.92 2.00	30.96 -1.64 0.95	31.96 -1.92 1.08	35.47 -1.77 1.20	36.51 -2.37 1.27	39.25 -3.28 2.36	46.71 -4.00 1.91	51.06 -4.48 6.73	49.01 -3.14 1.92	40.79 -2.61 1.56	37.79 -2.07 0.80	33.25 -2.19 0.39	30.59 -1.57 -0.08	28.03 -1.03 -0.37
WALDEN__HYDRO 24148	41.38 1.93 -11.42	35.30 1.58 -9.84	29.86 1.65 -3.88	29.31 1.56 -3.42	28.57 1.54 -2.63	30.52 1.67 -2.71	34.75 2.00 -2.88	36.74 2.37 0.00	35.94 2.38 -1.40	37.75 2.52 -1.56	36.20 2.59 0.00	36.14 2.58 0.00	37.76 2.80 0.00	41.21 2.96 0.19	43.28 3.13 0.00	48.47 3.59 0.00	56.93 4.31 0.00	67.19 4.92 0.00	58.07 4.00 0.00	48.05 3.10 0.00	43.68 3.01 0.00	39.29 2.76 -0.71	35.21 2.57 -0.56	33.56 2.18 -2.69
WARRENSBURG____ 23737	45.37 1.54 -15.80	38.86 1.36 -13.61	30.93 1.24 -5.37	30.28 1.22 -4.73	29.36 1.32 -3.64	31.30 1.41 -3.75	35.58 1.73 -3.98	36.33 1.96 0.00	35.96 1.86 -1.94	38.76 1.85 -3.25	35.02 1.41 0.00	35.00 1.44 0.00	36.57 1.61 0.00	39.80 1.27 -0.09	41.59 1.44 0.00	46.63 1.75 0.00	54.67 2.05 0.00	65.08 2.80 0.00	57.09 3.03 0.00	47.69 2.74 0.00	43.44 2.77 0.00	39.14 2.33 -0.99	34.76 1.89 -0.79	33.97 1.52 -3.76
WATERSIDE____6 8 9 23538	42.60 2.58 -11.99	36.35 2.13 -10.34	30.59 2.19 -4.07	30.00 2.07 -3.59	29.17 2.00 -2.76	31.16 2.17 -2.85	35.52 2.63 -3.03	37.56 3.20 0.01	36.89 3.28 -1.45	40.96 3.40 -3.90	41.06 3.50 -3.95	41.31 3.52 -4.23	45.69 3.74 -6.99	45.57 3.92 -3.21	47.19 4.10 -2.94	49.36 4.49 0.01	53.50 5.37 4.49	68.30 6.04 0.01	58.71 4.65 0.01	48.59 3.64 0.00	44.25 3.58 0.00	40.12 3.58 -0.72	34.99 3.30 0.40	34.35 2.87 -2.79
WATKINRD_115KV_LN8_ILLION 55919	28.70 0.67 0.00	24.44 0.55 0.00	24.88 0.56 0.00	24.87 0.54 0.00	24.97 0.56 0.00	26.74 0.60 0.00	30.58 0.72 0.00	35.23 0.86 0.00	32.93 0.77 0.00	34.50 0.84 0.00	34.42 0.81 0.00	34.36 0.81 0.00	35.82 0.80 -0.05	39.29 0.85 0.00	40.95 0.88 0.08	45.72 0.99 0.15	53.73 1.16 0.04	63.28 1.37 0.37	55.07 1.24 0.24	45.88 1.03 0.11	41.57 0.94 0.03	36.64 0.82 0.00	32.82 0.74 0.00	29.35 0.66 0.00
WATSON__69_KV_BK 1 55734	86.66 3.73 -54.91	72.65 3.08 -45.68	55.49 3.09 -28.07	45.12 2.97 -17.81	44.26 2.86 -17.00	45.41 3.08 -16.18	40.74 3.67 -7.21	45.21 4.43 -6.41	48.83 4.44 -12.23	61.90 4.71 -23.53	66.56 4.87 -28.08	67.64 4.77 -29.31	70.73 5.07 -30.69	86.55 5.46 -42.65	91.73 5.74 -45.84	95.91 6.19 -44.83	108.57 7.47 -48.49	118.51 8.59 -47.64	120.36 7.08 -59.21	100.40 5.62 -49.83	91.47 5.45 -45.35	79.61 4.98 -38.81	66.10 4.52 -29.49	64.72 3.96 -32.07
WDELAWARE__HYD 323627	39.74 1.18 -10.54	33.87 0.91 -9.08	28.88 0.97 -3.58	28.37 0.87 -3.15	27.68 0.85 -2.42	29.58 0.94 -2.50	33.69 1.16 -2.66	35.81 1.44 0.00	34.97 1.51 -1.30	36.90 1.65 -1.59	35.29 1.68 0.00	35.24 1.68 0.00	36.78 1.82 0.00	40.27 1.96 0.13	42.28 2.13 0.00	47.34 2.47 0.00	55.56 2.94 0.00	65.70 3.42 0.00	56.77 2.70 0.00	46.98 2.02 0.00	42.38 1.71 0.00	38.06 1.57 -0.66	34.02 1.41 -0.53	32.35 1.15 -2.51
WEST BABYLON__IC 23714	86.47 3.53 -54.91	72.48 2.91 -45.68	55.31 2.92 -28.07	44.95 2.80 -17.81	44.11 2.71 -17.00	45.25 2.93 -16.18	40.57 3.49 -7.21	44.97 4.19 -6.41	48.57 4.18 -12.23	61.63 4.44 -23.53	66.19 4.50 -28.07	67.30 4.46 -29.28	67.97 4.72 -28.28	72.40 5.07 -28.89	76.07 5.34 -30.58	77.75 5.83 -27.04	82.82 7.05 -23.15	86.71 8.03 -16.41	87.32 6.65 -26.60	78.40 5.26 -28.19	75.29 5.04 -29.57	71.24 4.62 -30.80	65.78 4.20 -29.49	64.49 3.73 -32.07

WEST CANADA___HYD 24049	28.31 0.28 0.00	24.10 0.21 0.00	24.54 0.22 0.00	24.58 0.24 0.00	24.65 0.24 0.00	26.40 0.26 0.00	30.16 0.30 0.00	34.75 0.38 0.00	32.51 0.35 0.00	34.03 0.37 0.00	33.98 0.37 0.00	33.93 0.37 0.00	35.37 0.35 -0.05	38.82 0.38 0.00	40.47 0.40 0.08	45.18 0.45 0.15	53.05 0.47 0.04	62.46 0.56 0.37	54.37 0.54 0.24	45.25 0.40 0.11	41.00 0.37 0.03	36.14 0.32 0.00	32.40 0.32 0.00	28.98 0.29 0.00
WESTERN_NY_WIND 24143	29.15 -0.39 -1.51	24.69 -0.50 -1.30	24.38 -0.46 -0.51	24.25 -0.54 -0.45	24.17 -0.59 -0.35	25.89 -0.60 -0.36	29.47 -0.78 -0.38	30.49 -1.62 2.26	28.88 -1.58 1.70	30.07 -1.82 1.77	30.35 -1.31 1.95	31.43 -1.04 1.09	32.36 -1.36 1.24	35.91 -1.15 1.37	37.02 -1.69 1.45	39.93 -2.51 2.43	47.50 -3.00 2.12	52.86 -3.11 6.30	50.08 -1.95 2.04	41.96 -1.44 1.56	38.80 -1.02 0.85	34.03 -1.36 0.43	31.25 -0.90 -0.07	28.61 -0.40 -0.32
WESTOVER___LESR 323668	31.59 0.20 -3.37	26.88 0.10 -2.90	25.56 0.10 -1.14	25.42 0.07 -1.01	25.25 0.07 -0.77	27.04 0.10 -0.80	31.01 0.12 -1.02	35.72 0.55 -0.81	33.67 0.42 -1.10	35.64 0.44 -1.55	34.56 0.40 -0.55	34.68 0.44 -0.68	36.23 0.42 -0.84	40.06 0.50 -1.12	41.96 0.36 -1.44	47.19 0.36 -1.96	56.44 0.47 -3.35	66.78 0.62 -3.88	54.23 0.43 0.27	45.50 0.27 -0.28	40.90 0.24 0.01	36.16 0.11 -0.23	32.57 0.22 -0.27	29.82 0.23 -0.90
WETHRSFD_WT_PWR 323626	29.20 -0.81 -1.98	24.78 -0.81 -1.71	24.17 -0.83 -0.67	24.06 -0.88 -0.59	23.91 -0.95 -0.46	25.61 -0.99 -0.47	29.14 -1.23 -0.50	29.87 -1.99 2.50	28.29 -1.93 1.94	29.51 -2.09 2.07	29.65 -1.91 2.05	30.95 -1.88 0.73	32.19 -1.96 0.81	35.66 -1.92 0.86	36.82 -2.45 0.88	39.58 -3.27 2.03	47.65 -3.89 1.08	50.96 -4.24 7.08	49.46 -2.87 1.74	41.01 -2.38 1.56	37.87 -2.07 0.73	33.37 -2.11 0.33	30.66 -1.51 -0.08	27.97 -1.12 -0.40
WHAVSTOR_138KV_BK127 55557	41.57 1.99 -11.55	35.49 1.65 -9.95	30.00 1.75 -3.92	29.48 1.68 -3.46	28.70 1.64 -2.66	30.63 1.75 -2.74	34.81 2.03 -2.92	36.81 2.44 0.00	36.03 2.48 -1.39	35.42 2.56 0.80	36.27 2.66 0.00	36.24 2.68 0.00	37.83 2.87 0.00	40.44 2.96 0.96	43.28 3.13 0.00	48.47 3.59 0.00	56.93 4.31 0.00	67.13 4.86 0.00	57.85 3.78 0.00	47.83 2.88 0.00	43.48 2.81 0.00	39.22 2.69 -0.71	35.21 2.57 -0.56	33.61 2.24 -2.68
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	41.57 1.99 -11.55	35.49 1.65 -9.95	30.00 1.75 -3.92	29.48 1.68 -3.46	28.70 1.64 -2.66	30.63 1.75 -2.74	34.81 2.03 -2.92	36.81 2.44 0.00	36.03 2.48 -1.39	35.42 2.56 0.80	36.27 2.66 0.00	36.24 2.68 0.00	37.83 2.87 0.00	40.44 2.96 0.96	43.28 3.13 0.00	48.47 3.59 0.00	56.93 4.31 0.00	67.13 4.86 0.00	57.85 3.78 0.00	47.83 2.88 0.00	43.48 2.81 0.00	39.22 2.69 -0.71	35.21 2.57 -0.56	33.61 2.24 -2.68
WHITEHAL_115KV_TB1 80871	45.74 1.93 -15.78	39.18 1.70 -13.60	31.22 1.53 -5.36	30.60 1.53 -4.72	29.70 1.66 -3.63	31.69 1.80 -3.75	36.06 2.21 -3.98	36.84 2.47 0.00	36.43 2.35 -1.93	39.19 2.29 -3.24	35.46 1.85 0.00	35.44 1.88 0.00	37.03 2.06 0.00	40.30 1.77 -0.09	42.16 2.01 0.00	47.26 2.38 0.00	55.41 2.79 0.00	66.13 3.86 0.00	58.07 4.00 0.00	48.59 3.64 0.00	44.21 3.54 0.00	39.77 2.97 -0.98	35.23 2.37 -0.77	34.29 1.89 -3.70
WHITEPLN_13_KV_LOAD 356215	42.70 2.69 -11.98	36.43 2.22 -10.32	30.65 2.26 -4.07	30.07 2.14 -3.59	29.24 2.07 -2.76	31.25 2.27 -2.84	35.63 2.75 -3.02	37.67 3.30 0.00	36.89 3.28 -1.45	41.17 3.50 -4.01	37.17 3.56 0.00	37.22 3.66 0.00	38.88 3.92 0.00	43.17 4.15 -0.58	44.53 4.38 0.00	49.81 4.94 0.00	58.46 5.84 0.00	68.94 6.66 0.00	59.42 5.35 0.00	49.13 4.18 0.00	44.61 3.94 0.00	40.18 3.62 -0.74	36.00 3.34 -0.58	34.35 2.87 -2.79
WM_FLOYD_69_KV_BK2 356380	86.38 3.45 -54.91	72.41 2.84 -45.68	55.22 2.82 -28.07	44.85 2.70 -17.81	44.01 2.61 -17.00	45.14 2.82 -16.18	40.42 3.34 -7.21	44.87 4.09 -6.41	48.51 4.12 -12.23	61.59 4.41 -23.53	66.26 4.57 -28.08	67.41 4.50 -29.35	73.76 4.86 -33.94	105.41 5.30 -61.67	112.09 5.54 -66.40	119.74 6.06 -68.81	142.43 7.21 -82.61	160.39 8.41 -89.71	164.17 6.97 -103.12	129.45 5.53 -78.97	112.52 5.25 -66.60	90.26 4.84 -49.60	65.87 4.30 -29.49	64.52 3.76 -32.07
WOODARD__115KV_TB2 355635	28.66 -0.28 -0.91	24.41 -0.26 -0.79	24.34 -0.29 -0.31	24.29 -0.32 -0.27	24.30 -0.32 -0.21	26.01 -0.34 -0.22	30.05 -0.36 -0.55	33.62 -0.38 0.37	31.60 -0.42 0.14	33.38 -0.40 -0.13	32.77 -0.34 0.51	32.97 -0.30 0.29	34.29 -0.38 0.29	37.86 -0.38 0.19	39.41 -0.48 0.26	43.86 -0.58 0.44	52.51 -0.63 -0.53	61.31 -0.75 0.22	52.89 -0.49 0.69	44.36 -0.49 0.10	40.12 -0.41 0.14	35.38 -0.43 0.01	31.89 -0.29 -0.09	28.64 -0.26 -0.20
YORK___WARBASSE 23770	42.86 2.78 -12.06	36.47 2.22 -10.36	30.75 2.34 -4.09	30.16 2.21 -3.61	29.32 2.15 -2.77	31.29 2.30 -2.85	35.67 2.78 -3.03	37.76 3.33 -0.06	43.27 3.41 -7.70	41.13 3.57 -3.90	41.26 3.70 -3.95	41.55 3.76 -4.23	64.59 3.99 -25.65	45.84 4.19 -3.21	48.95 4.34 -4.46	49.74 4.80 -0.06	89.77 5.74 -31.42	68.80 6.48 -0.06	59.22 5.08 -0.07	48.91 3.96 0.00	44.53 3.86 0.00	40.54 3.80 -0.92	43.06 3.50 -7.49	34.56 3.01 -2.86