

# Time Weighted/Integrated Real Time LBMP- Generator

Generator Data		07/16/2024																							
Name	PTID	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
59TH STREET_GT_1	24138	106.95	33.04	28.44	27.06	27.54	29.15	44.03	68.05	43.39	42.45	39.90	41.78	41.79	42.48	40.97	41.35	296.31	481.06	69.67	164.42	52.64	47.12	34.29	40.58
		0.78	2.56	2.40	2.33	2.31	2.40	2.25	2.30	4.27	3.87	4.24	4.64	4.59	4.77	4.61	4.57	33.55	50.75	4.77	2.54	2.91	3.35	2.98	1.90
		-100.32	-4.29	-0.85	0.00	0.00	-1.20	-17.61	-44.85	-1.96	-5.87	-2.66	-0.80	0.00	0.00	-0.55	-2.38	0.00	-31.27	-26.85	-138.64	-22.74	-11.30	-3.12	-21.49
74TH STREET_GT_1	24260	106.94	33.06	28.46	27.09	27.56	29.17	44.06	68.16	43.46	42.91	40.11	41.89	41.86	42.54	41.04	41.43	296.80	481.95	69.75	164.45	52.69	47.21	34.40	40.62
		0.80	2.59	2.43	2.36	2.32	2.42	2.30	2.34	4.34	3.94	4.26	4.69	4.66	4.84	4.67	4.65	34.03	51.63	4.85	2.60	2.97	3.45	3.09	1.96
		-100.29	-4.29	-0.85	0.00	0.00	-1.20	-17.60	-44.92	-1.96	-6.26	-2.84	-0.85	0.00	0.00	-0.55	-2.38	0.00	-31.27	-26.84	-138.61	-22.73	-11.30	-3.12	-21.48
74TH STREET_GT_2	24261	106.94	33.06	28.46	27.09	27.56	29.17	44.06	68.16	43.46	42.91	40.11	41.89	41.86	42.54	41.04	41.43	296.80	481.95	69.75	164.45	52.69	47.21	34.40	40.62
		0.80	2.59	2.43	2.36	2.32	2.42	2.30	2.34	4.34	3.94	4.26	4.69	4.66	4.84	4.67	4.65	34.03	51.63	4.85	2.60	2.97	3.45	3.09	1.96
		-100.29	-4.29	-0.85	0.00	0.00	-1.20	-17.60	-44.92	-1.96	-6.26	-2.84	-0.85	0.00	0.00	-0.55	-2.38	0.00	-31.27	-26.84	-138.61	-22.73	-11.30	-3.12	-21.48
ADK HUDSON___FALLS	24011	23.87	28.86	27.08	26.53	26.85	27.43	28.70	29.43	40.72	35.21	35.25	39.04	40.09	40.63	41.20	40.71	287.28	579.18	44.79	46.90	33.69	37.33	30.76	21.56
		0.54	2.07	1.76	1.80	1.62	1.70	1.81	1.83	3.25	2.50	2.24	2.70	2.90	2.93	2.92	2.95	24.52	38.42	2.43	1.61	1.88	2.28	1.89	1.06
		-17.48	-0.60	-0.13	0.00	0.00	-0.19	-2.72	-6.71	-0.30	0.00	0.00	0.00	0.00	0.00	-2.46	-3.37	0.00	-141.71	-4.30	-22.05	-4.83	-2.59	-0.68	-3.32
ADK RESOURCE___RCVRY	23798	23.79	28.87	27.09	26.58	26.90	27.48	28.83	29.63	41.10	35.43	35.46	39.34	40.44	41.01	41.51	41.00	290.46	586.21	45.04	47.06	33.78	37.51	30.95	21.55
		0.52	2.08	1.77	1.85	1.66	1.75	1.95	2.04	3.63	2.72	2.45	3.00	3.25	3.30	3.29	3.33	27.69	44.88	2.68	1.78	1.97	2.46	2.07	1.07
		-17.41	-0.60	-0.13	0.00	0.00	-0.18	-2.71	-6.69	-0.30	0.00	0.00	0.00	0.00	0.00	-2.40	-3.28	0.00	-142.28	-4.30	-22.05	-4.83	-2.59	-0.68	-3.31
ADK S GLENS___FALLS	24028	23.87	28.86	27.08	26.53	26.85	27.43	28.70	29.43	40.72	35.21	35.25	39.04	40.09	40.63	41.20	40.71	287.28	579.18	44.79	46.90	33.69	37.33	30.76	21.56
		0.54	2.07	1.76	1.80	1.62	1.70	1.81	1.83	3.25	2.50	2.24	2.70	2.90	2.93	2.92	2.95	24.52	38.42	2.43	1.61	1.88	2.28	1.89	1.06
		-17.48	-0.60	-0.13	0.00	0.00	-0.19	-2.72	-6.71	-0.30	0.00	0.00	0.00	0.00	0.00	-2.46	-3.37	0.00	-141.71	-4.30	-22.05	-4.83	-2.59	-0.68	-3.32
ADK_NYS___DAM	23527	28.91	28.63	27.00	26.45	27.00	27.58	29.25	30.79	40.40	34.79	34.96	38.68	39.73	40.36	42.06	42.36	280.12	536.06	46.87	57.13	35.05	37.86	31.00	22.39
		0.48	1.66	1.65	1.72	1.76	1.80	1.73	1.61	2.87	2.08	1.95	2.34	2.53	2.65	2.63	2.59	17.35	28.02	2.53	1.51	1.83	2.15	1.95	1.12
		-22.58	-0.78	-0.16	0.00	0.00	-0.23	-3.36	-8.28	-0.37	0.00	0.00	0.00	0.00	0.00	-3.63	-5.38	0.00	-109.00	-6.30	-32.38	-6.24	-3.24	-0.86	-4.10
AIR_PRODUCTS___DRP	24190	24.52	27.52	26.04	25.50	26.01	26.49	27.73	28.71	38.59	33.48	33.85	37.27	38.18	38.78	31.13	27.67	270.49	498.08	43.67	47.45	32.83	36.01	29.71	21.27
		0.26	0.70	0.72	0.77	0.77	0.75	0.67	0.67	1.11	0.77	0.83	0.93	0.98	1.07	1.05	1.10	7.73	12.63	1.00	0.56	0.66	0.77	0.79	0.56
		-18.41	-0.64	-0.14	0.00	0.00	-0.20	-2.90	-7.14	-0.32	0.00	0.00	0.00	0.00	0.00	5.73	7.82	0.00	-86.41	-4.62	-23.64	-5.18	-2.78	-0.73	-3.53
AKWESSNE_115KV_BK	355683	5.71	25.62	24.74	24.86	24.57	25.76	28.28	20.20	35.89	31.61	31.70	35.02	35.83	36.26	32.01	3.35	248.89	382.92	36.42	22.17	25.83	31.35	27.29	17.61
		-0.14	-0.57	-0.54	-0.55	-0.51	-0.55	-0.60	-0.70	-1.27	-1.10	-1.31	-1.32	-1.37	-1.44	-1.32	-1.54	-11.57	-16.12	-1.63	-1.07	-1.16	-1.11	-0.90	-0.61
		0.00	0.00	-0.10	-0.68	0.15	-0.77	-4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	29.51	2.31	0.00	0.00	0.00	0.00	0.00	0.00	-1.04
ALBANY_1_SOLAR	323833	21.71	27.86	26.45	25.93	26.45	26.93	27.80	28.08	38.94	33.56	33.85	36.94	37.62	38.24	30.92	27.58	268.03	482.17	43.51	46.97	32.75	36.06	29.86	21.13
		0.33	1.14	1.14	1.20	1.22	1.21	1.09	0.90	1.50	0.85	0.84	0.59	0.42	0.53	0.58	0.65	5.27	12.20	0.93	0.53	0.68	0.87	0.99	0.84
		-15.52	-0.54	-0.12	0.00	0.00	-0.17	-2.55	-6.29	-0.28	0.00	0.00	0.00	0.00	0.00	5.47	7.46	0.00	-70.92	-4.53	-23.20	-5.08	-2.72	-0.68	-3.11
ALBANY_2_SOLAR	323834	21.72	27.86	26.44	25.92	26.44	26.92	27.80	28.08	38.93	33.56	33.85	36.92	37.60	38.22	30.91	27.58	267.99	481.82	43.50	46.96	32.73	36.04	29.84	21.13
		0.33	1.14	1.13	1.19	1.21	1.20	1.08	0.89	1.48	0.85	0.83	0.58	0.41	0.52	0.56	0.64	5.23	11.86	0.91	0.52	0.66	0.86	0.97	0.84
		-15.54	-0.54	-0.12	0.00	0.00	-0.17	-2.55	-6.29	-0.28	0.00	0.00	0.00	0.00	0.00	5.46	7.45	0.00	-70.91	-4.53	-23.20	-5.08	-2.72	-0.68	-3.11
ALBANY___1	23571	24.52	27.52	26.04	25.50	26.01	26.49	27.73	28.71	38.59	33.48	33.85	37.27	38.18	38.78	31.13	27.67	270.49	498.08	43.67	47.45	32.83	36.01	29.71	21.27
		0.26	0.70	0.72	0.77	0.77	0.75	0.67	0.67	1.11	0.77	0.83	0.93	0.98	1.07	1.05	1.10	7.73	12.63	1.00	0.56	0.66	0.77	0.79	0.56
		-18.41	-0.64	-0.14	0.00	0.00	-0.20	-2.90	-7.14	-0.32	0.00	0.00	0.00	0.00	0.00	5.73	7.82	0.00	-86.41	-4.62	-23.64	-5.18	-2.78	-0.73	-3.53



ALBANY___2 23572	24.52 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.73 0.67 -2.90	28.71 0.67 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.83 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.49 7.73 0.00	498.08 12.63 -86.41	43.67 1.00 -4.62	47.45 0.56 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
ALBANY___3 23573	24.52 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.73 0.67 -2.90	28.71 0.67 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.83 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.49 7.73 0.00	498.08 12.63 -86.41	43.67 1.00 -4.62	47.45 0.56 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
ALBANY___4 23574	24.52 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.73 0.67 -2.90	28.71 0.67 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.83 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.49 7.73 0.00	498.08 12.63 -86.41	43.67 1.00 -4.62	47.45 0.56 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
ALBANY___LFGE 323615	24.64 0.34 -18.45	27.85 1.02 -0.64	26.34 1.02 -0.14	25.79 1.06 0.00	26.31 1.07 0.00	26.80 1.05 -0.20	28.02 0.98 -2.88	28.96 0.96 -7.10	39.15 1.67 -0.32	33.97 1.27 0.00	34.35 1.34 0.00	37.84 1.50 0.00	38.79 1.60 0.00	39.43 1.72 0.00	38.28 1.66 -0.81	37.20 1.70 -1.10	275.41 12.64 0.00	521.31 19.72 -102.55	44.22 1.59 -4.58	47.65 0.93 -23.47	33.22 1.09 -5.14	36.48 1.27 -2.76	30.10 1.19 -0.72	21.47 0.77 -3.51
ALCOA_PA_115KV_PL-6C 55860	5.69 -0.17 0.00	25.52 -0.66 0.00	24.70 -0.65 -0.17	25.56 -0.65 -1.49	25.54 -0.62 -0.92	27.30 -0.66 -2.41	32.05 -0.71 -8.59	20.11 -0.79 0.00	35.72 -1.44 0.00	31.51 -1.20 0.00	31.52 -1.49 0.00	34.83 -1.52 0.00	35.63 -1.56 0.00	36.08 -1.63 0.00	30.89 -1.47 3.45	0.20 -1.56 32.64	247.45 -12.11 3.20	382.16 -16.88 0.00	36.32 -1.74 0.00	22.12 -1.12 0.00	25.84 -1.15 0.00	31.27 -1.19 0.00	27.19 -1.01 0.00	18.83 -0.70 -2.35
ALCOA_RYNLDS___DRP 24188	5.69 -0.17 0.00	25.52 -0.66 0.00	24.70 -0.65 -0.17	25.56 -0.65 -1.49	25.54 -0.62 -0.92	27.30 -0.66 -2.41	32.05 -0.71 -8.59	20.11 -0.79 0.00	35.72 -1.44 0.00	31.51 -1.20 0.00	31.52 -1.49 0.00	34.83 -1.52 0.00	35.63 -1.56 0.00	36.08 -1.63 0.00	30.89 -1.47 3.45	0.20 -1.56 32.64	247.45 -12.11 3.20	382.16 -16.88 0.00	36.32 -1.74 0.00	22.12 -1.12 0.00	25.84 -1.15 0.00	31.27 -1.19 0.00	27.19 -1.01 0.00	18.83 -0.70 -2.35
ALCOA___DSASP 323711	5.69 -0.16 0.00	25.52 -0.66 0.00	24.71 -0.64 -0.17	25.56 -0.65 -1.49	25.54 -0.62 -0.92	27.30 -0.66 -2.41	32.04 -0.71 -8.59	20.11 -0.79 0.00	35.72 -1.44 0.00	31.51 -1.20 0.00	31.52 -1.49 0.00	34.82 -1.52 0.00	35.63 -1.56 0.00	36.08 -1.63 0.00	30.89 -1.47 3.45	0.19 -1.57 32.64	247.46 -12.10 3.20	382.17 -16.87 0.00	36.32 -1.74 0.00	22.12 -1.12 0.00	25.84 -1.15 0.00	31.27 -1.20 0.00	27.19 -1.01 0.00	18.83 -0.70 -2.35
ALLEGHENY___COGEN 23514	4.11 -0.52 1.22	24.86 -0.56 0.78	24.44 -0.74 0.00	23.93 -0.81 0.00	24.41 -0.82 0.00	24.85 -0.69 0.00	23.61 -0.55 0.00	20.80 -0.10 0.00	37.01 -0.15 0.00	32.53 -0.19 0.00	32.63 -0.38 0.00	33.90 -2.45 0.00	34.11 -3.09 0.00	38.00 -2.88 -3.17	32.46 -3.35 0.00	33.88 -3.60 -3.09	236.87 -26.22 -0.32	361.49 -42.66 -5.10	35.07 -2.98 0.00	22.33 -0.91 0.00	26.38 -0.61 0.00	33.16 0.69 0.00	28.71 0.52 0.00	17.36 0.19 0.00
ALTAMONT_115KV_TB 2 55880	23.40 0.29 -17.26	27.71 0.92 -0.60	26.22 0.90 -0.13	25.67 0.94 0.00	26.17 0.94 0.00	26.67 0.93 -0.19	27.82 0.88 -2.78	28.60 0.85 -6.85	38.94 1.47 -0.31	33.86 1.15 0.00	34.23 1.21 0.00	37.68 1.33 0.00	38.56 1.37 0.00	39.15 1.44 0.00	34.10 1.39 3.10	31.57 1.42 4.24	273.36 10.60 0.00	490.32 16.76 -74.51	43.20 1.39 -3.75	43.19 0.81 -19.13	32.71 0.96 -4.77	36.21 1.13 -2.62	29.94 1.06 -0.69	21.26 0.70 -3.39
ALTONA_WT_PWR 323606	5.78 -0.07 0.00	26.04 -0.14 0.00	25.03 -0.15 0.00	23.17 -0.18 1.38	20.79 -0.04 4.41	20.98 -0.26 4.30	20.70 -0.32 3.14	20.39 -0.51 0.00	36.27 -0.89 0.00	31.83 -0.88 0.00	31.68 -1.33 0.00	34.85 -1.49 0.00	35.68 -1.52 0.00	36.16 -1.55 0.00	31.97 -1.45 2.39	3.68 -1.52 29.20	250.10 -10.44 2.22	383.26 -15.78 0.00	36.35 -1.71 0.00	22.25 -0.99 0.00	25.95 -1.03 0.00	31.51 -0.95 0.00	27.71 -0.48 0.00	14.32 -0.60 2.26
AMERICAN_REF_FUEL 24010	4.24 -0.84 0.78	23.91 -1.79 0.49	23.23 -1.95 0.00	22.85 -1.88 0.00	23.16 -2.08 0.00	23.62 -1.92 0.00	22.29 -1.87 0.00	19.68 -1.22 0.00	34.98 -2.18 0.00	31.00 -1.71 0.00	31.02 -1.99 0.00	33.53 -2.81 0.00	34.02 -3.18 0.00	33.57 -3.48 0.66	32.38 -3.43 0.00	29.98 -3.75 0.66	237.74 -24.98 0.05	365.68 -37.91 -4.54	35.58 -2.48 0.00	22.20 -1.04 0.00	25.65 -1.34 0.00	30.83 -1.64 0.00	26.59 -1.60 0.00	16.26 -0.91 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	4.18 -0.69 0.99	24.81 -0.75 0.63	24.02 -1.16 0.00	23.37 -1.36 0.00	23.83 -1.40 0.00	24.25 -1.30 0.00	22.88 -1.29 0.00	20.43 -0.47 0.00	36.52 -0.64 0.00	32.46 -0.25 0.00	32.42 -0.59 0.00	35.06 -1.29 0.00	34.94 -2.25 0.00	34.68 -2.31 0.72	33.58 -2.23 0.00	32.05 -1.66 0.69	253.37 -9.32 0.07	389.18 -15.11 -5.24	37.48 -0.57 0.00	23.59 0.35 0.00	27.67 0.69 0.00	32.82 0.36 0.00	28.00 -0.19 0.00	17.04 -0.14 0.00
ARTHUR KILL_GT_1 23520	46.49 0.83 -39.80	38.53 2.43 -9.92	28.28 2.24 -0.85	26.90 2.16 0.00	27.37 2.14 0.00	28.99 2.24 -1.20	37.01 2.15 -10.69	43.80 2.23 -20.67	43.24 4.10 -1.98	42.61 3.63 -6.26	42.74 3.95 -5.78	44.74 4.28 -4.12	43.26 4.27 -1.80	44.05 4.54 -1.79	43.61 4.40 -3.40	44.37 4.40 -5.57	294.14 31.39 0.00	478.80 48.48 -31.27	85.88 4.49 -43.33	112.41 2.23 -86.94	55.59 2.57 -26.03	50.65 3.00 -15.18	37.38 2.80 -6.39	45.54 1.80 -26.56
ARTHUR_KILL_2 23512	46.47 0.81 -39.80	38.41 2.31 -9.92	28.17 2.14 -0.85	26.79 2.07 0.00	27.27 2.03 0.00	28.89 2.14 -1.20	36.90 2.04 -10.69	43.71 2.14 -20.67	43.07 3.94 -1.98	42.46 3.49 -6.26	42.59 3.80 -5.78	44.57 4.10 -4.12	43.08 4.09 -1.80	43.86 4.36 -1.79	43.43 4.22 -3.40	44.20 4.23 -5.57	292.83 30.07 0.00	476.75 46.43 -31.27	85.66 4.28 -43.33	112.29 2.11 -86.94	55.45 2.43 -26.03	50.46 2.82 -15.18	37.23 2.65 -6.39	45.47 1.73 -26.56
ARTHUR_KILL_3 23513	46.38 0.73 -39.79	38.30 2.23 -9.88	28.12 2.08 -0.85	26.76 2.03 0.00	27.22 1.98 0.00	28.83 2.08 -1.20	36.79 1.93 -10.70	43.92 2.01 -21.01	42.84 3.70 -1.98	42.18 3.40 -6.08	43.00 3.81 -6.18	46.32 4.19 -5.79	47.29 4.12 -5.98	44.76 4.24 -2.80	43.98 4.10 -4.07	44.07 4.09 -5.58	292.44 29.68 0.00	475.08 44.76 -31.27	71.27 4.25 -28.97	103.02 2.18 -77.60	48.22 2.52 -18.71	46.20 2.92 -10.81	36.08 2.66 -5.23	43.25 1.71 -24.36



ARTHUR_KILL_COGEN 323718	46.49 0.83 -39.80	38.53 2.43 -9.92	28.28 2.24 -0.85	26.90 2.16 0.00	27.37 2.14 0.00	28.99 2.24 -1.20	37.01 2.15 -10.69	43.80 2.23 -20.67	43.24 4.10 -1.98	42.61 3.63 -6.26	42.74 3.95 -5.78	44.74 4.28 -4.12	43.26 4.27 -1.80	44.05 4.54 -1.79	43.61 4.40 -3.40	44.37 4.40 -5.57	294.14 31.39 0.00	478.80 48.48 -31.27	85.88 4.49 -43.33	112.41 2.23 -86.94	55.59 2.57 -26.03	50.65 3.00 -15.18	37.38 2.80 -6.39	45.54 1.80 -26.56
ASHOKAN____ 23654	6.47 0.62 0.00	28.15 1.96 0.00	27.04 1.86 0.00	26.59 1.86 0.00	27.11 1.88 0.00	27.44 1.90 0.00	25.99 1.83 0.00	22.65 1.75 0.00	40.23 3.08 0.00	35.19 2.48 0.00	35.65 2.64 0.00	39.29 2.95 0.00	40.26 3.07 0.00	41.00 3.29 0.00	35.56 3.42 3.67	33.57 3.62 4.45	289.55 26.79 0.00	496.06 41.77 -55.25	50.07 3.93 -8.09	67.73 2.58 -41.91	35.77 2.77 -6.01	38.40 3.09 -2.86	31.28 2.58 -0.51	18.72 1.54 0.00
ASTORIA_EAST_ENERGY_CC1 323581	106.97 0.83 -100.29	32.93 2.46 -4.29	28.32 2.29 -0.85	26.92 2.19 0.00	27.41 2.18 0.00	29.01 2.27 -1.20	43.89 2.12 -17.60	67.93 2.11 -44.92	43.03 3.91 -1.96	42.36 3.39 -6.26	39.70 3.85 -2.84	41.44 4.25 -0.86	41.52 4.32 0.00	42.30 4.58 -0.01	40.78 4.42 -0.55	41.20 4.40 -2.39	294.22 31.46 0.00	478.50 48.18 -31.28	69.38 4.48 -26.85	164.11 2.24 -138.62	52.28 2.55 -22.74	46.73 2.96 -11.31	34.14 2.83 -3.13	40.54 1.88 -21.48
ASTORIA_EAST_ENERGY_CC2 323582	106.97 0.83 -100.29	32.93 2.46 -4.29	28.32 2.29 -0.85	26.92 2.19 0.00	27.41 2.18 0.00	29.01 2.27 -1.20	43.89 2.12 -17.60	67.93 2.11 -44.92	43.03 3.91 -1.96	42.36 3.39 -6.26	39.70 3.85 -2.84	41.44 4.25 -0.86	41.52 4.32 0.00	42.30 4.58 -0.01	40.78 4.42 -0.55	41.20 4.40 -2.39	294.22 31.46 0.00	478.50 48.18 -31.28	69.38 4.47 -26.85	164.11 2.24 -138.62	52.28 2.55 -22.74	46.73 2.96 -11.31	34.14 2.83 -3.13	40.54 1.88 -21.48
ASTORIA_GT2_1 24094	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT2_2 24095	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT2_3 24096	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT2_4 24097	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT3_1 24098	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT3_2 24099	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT3_3 24100	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT3_4 24101	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT4_1 24102	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT4_2 24103	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT4_3 24104	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48



ASTORIA_GT4_4 24105	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.30 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.47 4.27 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.43 -0.55	41.21 4.42 -2.39	294.27 31.51 0.00	478.76 48.44 -31.28	69.41 4.51 -26.85	164.12 2.26 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.16 2.84 -3.13	40.55 1.89 -21.48
ASTORIA_GT_1 23523	106.99 0.85 -100.29	33.02 2.54 -4.29	28.40 2.36 -0.85	26.99 2.26 0.00	27.48 2.25 0.00	29.09 2.34 -1.20	43.96 2.19 -17.60	68.00 2.18 -44.92	43.16 4.04 -1.96	42.49 3.52 -6.26	39.83 3.98 -2.84	41.59 4.39 -0.86	41.66 4.47 0.00	42.45 4.73 -0.01	40.92 4.56 -0.55	41.33 4.55 -2.39	295.29 32.53 0.00	480.26 49.94 -31.28	69.54 4.64 -26.85	164.20 2.34 -138.62	52.39 2.66 -22.74	46.87 3.10 -11.31	34.26 2.94 -3.13	40.60 1.94 -21.48
ASTORIA_GT_10 24110	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.22 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	67.99 2.17 -44.92	43.09 3.97 -1.96	42.46 3.48 -6.26	39.67 3.82 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.05 4.34 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.07 30.31 0.00	476.46 46.14 -31.27	66.14 4.26 -23.83	103.00 2.16 -77.60	34.75 2.47 -5.29	30.63 2.86 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
ASTORIA_GT_11 24225	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.22 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	67.99 2.17 -44.92	43.09 3.97 -1.96	42.46 3.48 -6.26	39.67 3.82 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.05 4.34 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.07 30.31 0.00	476.46 46.14 -31.27	66.14 4.26 -23.83	103.00 2.16 -77.60	34.75 2.47 -5.29	30.63 2.86 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
ASTORIA_GT_12 24226	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.22 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	67.99 2.17 -44.92	43.09 3.97 -1.96	42.46 3.48 -6.26	39.67 3.82 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.05 4.34 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.07 30.31 0.00	476.46 46.14 -31.27	66.14 4.26 -23.83	103.00 2.16 -77.60	34.75 2.47 -5.29	30.63 2.86 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
ASTORIA_GT_13 24227	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.22 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	67.99 2.17 -44.92	43.09 3.97 -1.96	42.46 3.48 -6.26	39.67 3.82 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.05 4.34 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.07 30.31 0.00	476.46 46.14 -31.27	66.14 4.26 -23.83	103.00 2.16 -77.60	34.75 2.47 -5.29	30.63 2.86 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
ASTORIA_GT_5 24106	106.99 0.85 -100.29	33.02 2.54 -4.29	28.40 2.36 -0.85	26.99 2.26 0.00	27.48 2.24 0.00	29.09 2.34 -1.20	43.96 2.19 -17.60	68.00 2.18 -44.92	43.17 4.05 -1.96	42.49 3.52 -6.26	39.83 3.98 -2.84	41.59 4.39 -0.86	41.67 4.47 0.00	42.44 4.72 -0.01	40.93 4.56 -0.55	41.34 4.55 -2.39	295.23 32.47 0.00	480.31 49.99 -31.28	69.55 4.65 -26.85	164.21 2.35 -138.62	52.39 2.66 -22.74	46.87 3.10 -11.31	34.25 2.93 -3.13	40.61 1.94 -21.48
ASTORIA_GT_7 24107	106.99 0.85 -100.29	33.02 2.54 -4.29	28.40 2.36 -0.85	26.99 2.26 0.00	27.48 2.24 0.00	29.09 2.34 -1.20	43.96 2.19 -17.60	68.00 2.18 -44.92	43.17 4.05 -1.96	42.49 3.52 -6.26	39.83 3.98 -2.84	41.59 4.39 -0.86	41.67 4.47 0.00	42.44 4.72 -0.01	40.93 4.56 -0.55	41.34 4.55 -2.39	295.23 32.47 0.00	480.31 49.99 -31.28	69.55 4.65 -26.85	164.21 2.35 -138.62	52.39 2.66 -22.74	46.87 3.10 -11.31	34.25 2.93 -3.13	40.61 1.94 -21.48
ASTORIA_GT_8 24108	106.99 0.85 -100.29	33.02 2.54 -4.29	28.40 2.36 -0.85	26.99 2.26 0.00	27.48 2.24 0.00	29.09 2.34 -1.20	43.96 2.19 -17.60	68.00 2.18 -44.92	43.17 4.05 -1.96	42.49 3.52 -6.26	39.83 3.98 -2.84	41.59 4.39 -0.86	41.67 4.47 0.00	42.44 4.72 -0.01	40.93 4.56 -0.55	41.34 4.55 -2.39	295.23 32.47 0.00	480.31 49.99 -31.28	69.55 4.65 -26.85	164.21 2.35 -138.62	52.39 2.66 -22.74	46.87 3.10 -11.31	34.25 2.93 -3.13	40.61 1.94 -21.48
ASTORIA___2 24149	106.98 0.84 -100.29	32.94 2.46 -4.29	28.33 2.29 -0.85	26.93 2.20 0.00	27.42 2.19 0.00	29.03 2.28 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.05 3.93 -1.96	42.39 3.42 -6.26	39.72 3.87 -2.84	41.46 4.26 -0.86	41.54 4.34 0.00	42.32 4.60 -0.01	40.80 4.44 -0.55	41.22 4.43 -2.39	294.32 31.56 0.00	478.85 48.53 -31.28	69.39 4.49 -26.85	164.11 2.25 -138.62	52.29 2.56 -22.74	46.75 2.97 -11.31	34.15 2.84 -3.13	40.54 1.88 -21.48
ASTORIA___3 23516	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.21 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	68.00 2.18 -44.92	43.09 3.97 -1.96	42.46 3.49 -6.26	39.66 3.81 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.06 4.35 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.11 30.35 0.00	476.40 46.08 -31.27	66.13 4.25 -23.83	102.99 2.15 -77.60	34.74 2.46 -5.29	30.62 2.85 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
ASTORIA___4 23517	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.22 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	67.99 2.17 -44.92	43.09 3.97 -1.96	42.46 3.48 -6.26	39.67 3.82 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.05 4.34 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.05 30.29 0.00	476.46 46.14 -31.27	66.14 4.26 -23.83	103.00 2.16 -77.60	34.75 2.47 -5.29	30.63 2.86 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
ASTORIA___5 23518	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.21 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	68.00 2.18 -44.92	43.09 3.97 -1.96	42.46 3.49 -6.26	39.66 3.81 -2.84	41.33 4.14 -0.85	41.33 4.13 0.00	42.06 4.35 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.11 30.35 0.00	476.40 46.08 -31.27	66.13 4.25 -23.83	102.99 2.15 -77.60	34.74 2.46 -5.29	30.62 2.85 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
AST_ENERGY_2_CC3 323677	106.89 0.73 -100.30	32.76 2.29 -4.29	28.19 2.15 -0.85	26.82 2.09 0.00	27.28 2.05 0.00	28.89 2.14 -1.20	43.79 2.01 -17.61	67.86 2.08 -44.89	42.96 3.84 -1.96	42.27 3.49 -6.08	39.61 3.84 -2.75	41.39 4.22 -0.82	41.37 4.17 0.00	42.03 4.32 0.00	40.56 4.20 -0.55	40.97 4.19 -2.38	293.21 30.45 0.00	476.65 46.33 -31.27	69.24 4.34 -26.85	164.15 2.29 -138.62	52.34 2.61 -22.74	46.79 3.02 -11.30	34.04 2.73 -3.12	40.41 1.75 -21.49
AST_ENERGY_2_CC4 323678	106.89 0.73 -100.30	32.76 2.29 -4.29	28.19 2.15 -0.85	26.82 2.09 0.00	27.28 2.05 0.00	28.89 2.14 -1.20	43.79 2.01 -17.61	67.86 2.08 -44.89	42.96 3.84 -1.96	42.27 3.49 -6.08	39.61 3.84 -2.75	41.39 4.22 -0.82	41.37 4.17 0.00	42.03 4.32 0.00	40.56 4.20 -0.55	40.97 4.19 -2.38	293.21 30.45 0.00	476.65 46.33 -31.27	69.24 4.34 -26.85	164.15 2.29 -138.62	52.34 2.61 -22.74	46.79 3.02 -11.30	34.04 2.73 -3.12	40.41 1.75 -21.49



ATHENS_STG_1 23668	29.26 0.36 -23.04	28.28 1.10 -0.99	26.45 1.09 -0.18	25.84 1.11 0.00	26.33 1.09 0.00	26.90 1.09 -0.26	28.97 1.03 -3.78	31.25 1.03 -9.32	39.44 1.86 -0.42	34.29 1.58 0.00	34.79 1.78 0.00	38.31 1.97 0.00	39.19 1.99 0.00	39.78 2.07 0.00	37.79 1.98 0.00	36.90 2.00 -0.50	277.27 14.51 0.00	451.95 22.12 -30.79	40.51 2.01 -0.45	26.04 1.18 -1.61	33.34 1.34 -5.02	37.25 1.55 -3.23	30.46 1.44 -0.83	22.69 0.90 -4.61
ATHENS_STG_2 23670	29.26 0.36 -23.04	28.28 1.10 -0.99	26.45 1.09 -0.18	25.84 1.11 0.00	26.33 1.09 0.00	26.90 1.09 -0.26	28.97 1.03 -3.78	31.25 1.03 -9.32	39.44 1.86 -0.42	34.29 1.58 0.00	34.79 1.78 0.00	38.31 1.97 0.00	39.19 1.99 0.00	39.78 2.07 0.00	37.79 1.98 0.00	36.90 2.00 -0.50	277.27 14.51 0.00	451.95 22.12 -30.79	40.51 2.01 -0.45	26.04 1.18 -1.61	33.34 1.34 -5.02	37.25 1.55 -3.23	30.46 1.44 -0.83	22.69 0.90 -4.61
ATHENS_STG_3 23677	29.26 0.36 -23.04	28.28 1.10 -0.99	26.45 1.09 -0.18	25.84 1.11 0.00	26.33 1.09 0.00	26.90 1.09 -0.26	28.97 1.03 -3.78	31.25 1.03 -9.32	39.44 1.86 -0.42	34.29 1.58 0.00	34.79 1.78 0.00	38.31 1.97 0.00	39.19 1.99 0.00	39.78 2.07 0.00	37.79 1.98 0.00	36.90 2.00 -0.50	277.27 14.51 0.00	451.95 22.12 -30.79	40.51 2.01 -0.45	26.04 1.18 -1.61	33.34 1.34 -5.02	37.25 1.55 -3.23	30.46 1.44 -0.83	22.69 0.90 -4.61
AUBURN___LFGE 323710	6.12 -0.09 -0.36	26.50 0.08 -0.22	25.14 -0.03 0.01	24.39 -0.04 0.30	24.48 -0.13 0.63	24.81 0.01 0.74	23.12 0.09 1.13	21.16 0.27 0.00	37.54 0.38 0.00	33.31 0.60 0.00	33.43 0.42 0.00	36.84 0.45 -0.05	37.68 0.48 0.00	38.21 0.38 -0.13	36.93 0.50 -0.62	34.77 0.25 -0.12	265.24 2.46 -0.01	401.00 1.96 0.00	38.60 0.55 0.00	23.80 0.56 0.00	27.61 0.60 -0.03	33.09 0.57 -0.06	28.65 0.46 0.00	16.89 0.23 0.52
BABYLON_RES_REC 323704	108.71 0.80 -102.05	42.86 2.33 -14.34	57.32 2.28 -29.85	54.39 2.24 -27.42	51.69 2.21 -24.24	41.22 2.29 -13.38	44.08 2.15 -17.77	68.16 2.10 -45.17	48.12 4.01 -6.95	58.90 3.72 -22.47	55.88 4.07 -18.80	56.03 4.32 -15.36	80.77 4.31 -39.27	111.01 4.52 -68.78	121.42 4.41 -81.20	89.73 4.39 -50.94	350.70 30.89 -57.05	612.24 49.30 -163.90	118.90 4.63 -76.22	179.85 2.41 -154.19	73.12 2.91 -43.21	49.30 3.30 -13.53	36.69 2.85 -5.65	55.86 1.85 -36.83
BABYLON__69_KV_BK2 356345	108.85 0.94 -102.05	43.47 2.94 -14.34	57.84 2.81 -29.85	54.87 2.73 -27.42	52.18 2.70 -24.24	41.71 2.79 -13.38	44.55 2.62 -17.77	68.62 2.56 -45.17	49.01 4.90 -6.95	65.99 4.56 -28.72	61.68 4.89 -23.78	61.74 5.34 -20.06	94.40 5.28 -51.92	132.50 5.50 -89.28	144.51 5.35 -103.35	111.82 5.28 -72.14	356.44 37.43 -56.25	614.88 59.78 -156.05	150.32 5.64 -106.63	187.09 3.02 -160.83	85.91 3.64 -55.28	52.06 4.15 -15.45	37.68 3.62 -5.87	57.02 2.33 -37.50
BALL_HILL_WT_PWR 323825	4.23 -0.70 0.92	24.61 -1.00 0.58	23.92 -1.26 0.00	23.41 -1.32 0.00	23.83 -1.41 0.00	24.26 -1.29 0.00	22.93 -1.24 0.00	20.34 -0.56 0.00	36.41 -0.76 0.00	32.33 -0.38 0.00	32.38 -0.63 0.00	35.05 -1.30 0.00	35.31 -1.89 0.00	34.77 -1.99 0.96	33.73 -2.08 0.00	31.47 -2.02 0.91	251.03 -11.64 0.09	385.01 -19.09 -5.06	37.20 -0.86 0.00	23.28 0.04 0.00	27.11 0.13 0.00	32.31 -0.15 0.00	27.74 -0.45 0.00	16.89 -0.28 0.00
BARON_WINDS___WT_PWR 323822	3.57 -0.71 1.57	24.21 -0.98 0.99	24.08 -1.10 0.00	23.53 -1.20 0.00	24.10 -1.13 0.00	24.44 -1.11 0.00	23.22 -0.94 0.00	20.44 -0.46 0.00	36.81 -0.35 0.00	32.79 0.08 0.00	32.91 -0.10 0.00	35.47 -0.89 -0.01	35.66 -1.53 0.00	30.83 -1.65 5.23	34.38 -1.58 -0.15	27.67 -1.66 5.07	251.56 -10.67 0.53	388.24 -17.56 -6.76	37.37 -0.68 0.00	23.53 0.29 0.00	27.45 0.45 -0.01	32.70 0.22 -0.01	28.12 -0.07 0.00	17.05 -0.13 0.00
BARRETT_IC_1 23704	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_10 23701	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_11 23702	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_12 23703	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_2 23705	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_3 23706	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_4 23707	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45



BARRETT_IC_5 23708	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_6 23709	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_7 23710	108.74 0.84 -102.05	42.99 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.08 2.01 -45.17	47.91 3.81 -6.95	55.16 3.51 -18.94	53.30 3.87 -16.42	53.73 4.27 -13.12	73.09 4.21 -31.69	81.68 4.28 -39.70	87.99 4.16 -48.03	58.51 4.12 -20.00	306.91 29.25 -14.90	527.42 45.97 -82.40	79.94 4.29 -37.60	168.90 2.25 -143.41	61.13 2.66 -31.49	48.20 3.12 -12.61	36.58 2.86 -5.54	55.49 1.87 -36.44
BARRETT_IC_8 23711	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT_IC_9 23700	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT___1 23545	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BARRETT___2 23546	108.75 0.85 -102.06	43.00 2.47 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.26 2.34 -13.38	44.05 2.13 -17.77	68.07 2.00 -45.17	47.92 3.81 -6.95	55.16 3.50 -18.94	53.30 3.87 -16.42	53.72 4.26 -13.12	73.09 4.20 -31.69	81.69 4.28 -39.70	87.99 4.16 -48.03	58.51 4.11 -20.00	306.93 29.27 -14.89	527.41 45.96 -82.40	79.94 4.28 -37.60	168.90 2.25 -143.41	61.13 2.65 -31.49	48.20 3.12 -12.62	36.58 2.85 -5.54	55.49 1.87 -36.45
BATAVIA__115KV_TB1 55881	4.72 -0.48 0.66	25.23 -0.54 0.42	24.45 -0.73 0.00	23.97 -0.76 0.00	24.34 -0.89 0.00	24.84 -0.71 0.00	23.51 -0.65 0.00	20.77 -0.13 0.00	36.95 -0.21 0.00	32.78 0.07 0.00	32.67 -0.34 0.00	35.09 -1.25 0.00	36.10 -1.11 -0.01	35.89 -1.48 0.34	34.04 -1.77 0.00	31.99 -2.02 0.38	249.46 -13.32 -0.02	378.60 -20.45 -0.01	37.21 -0.84 0.00	23.27 0.03 0.00	27.00 0.01 0.00	32.85 0.38 0.00	28.23 0.04 0.00	17.20 0.02 0.00
BAYONEEC___CTG1 323682	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG10 323750	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG2 323683	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG3 323684	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG4 323685	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG5 323686	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG6 323687	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49



BAYONEEC___CTG7 323688	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG8 323689	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BAYONEEC___CTG9 323749	106.90 0.74 -100.30	32.79 2.31 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.04 -17.61	67.43 2.09 -44.44	42.98 3.86 -1.96	42.31 3.52 -6.08	39.67 3.91 -2.75	41.46 4.29 -0.82	41.40 4.21 0.00	42.06 4.35 0.00	40.60 4.24 -0.55	41.00 4.22 -2.38	293.36 30.60 0.00	476.76 46.44 -31.27	69.26 4.36 -26.85	103.13 2.29 -77.60	48.32 2.62 -18.71	46.31 3.04 -10.81	34.07 2.76 -3.12	40.44 1.77 -21.49
BEACON___LESR 323632	24.81 0.36 -18.60	27.88 1.05 -0.64	26.36 1.03 -0.14	25.83 1.10 0.00	26.37 1.14 0.00	26.84 1.10 -0.20	28.12 1.04 -2.91	29.14 1.06 -7.19	39.31 1.83 -0.33	34.05 1.33 0.00	34.34 1.33 0.00	37.98 1.63 0.00	38.84 1.64 0.00	39.50 1.79 0.00	26.97 1.75 10.58	21.70 1.76 14.45	276.04 13.28 0.00	508.09 21.38 -87.66	44.62 1.90 -4.67	48.15 0.97 -23.94	33.32 1.09 -5.24	36.49 1.21 -2.81	30.07 1.15 -0.73	21.53 0.79 -3.56
BEAVER RIVER___HYD 24048	5.64 -0.21 0.00	25.59 -0.60 0.00	24.12 -0.78 0.28	3.87 -1.07 19.79	-32.03 -0.63 56.63	-32.82 -0.56 57.80	-29.89 -0.46 53.60	20.77 -0.13 0.00	37.02 -0.14 0.00	32.59 -0.12 0.00	32.59 -0.42 0.00	35.71 -0.66 -0.03	36.49 -0.70 0.00	37.16 -0.55 0.00	11.36 -0.69 23.76	-65.67 -0.40 99.66	238.19 -2.23 22.34	397.33 -1.72 0.00	37.28 -0.78 0.00	22.59 -0.65 0.00	26.44 -0.56 -0.02	31.82 -0.68 -0.04	27.06 -1.14 0.00	-17.02 -0.89 33.30
BEEBEE_GT_13 23619	5.01 -0.37 0.48	25.36 -0.53 0.30	24.50 -0.68 0.00	24.04 -0.69 0.00	24.44 -0.79 0.00	24.89 -0.66 0.00	23.54 -0.63 0.00	20.68 -0.22 0.00	36.82 -0.34 0.00	32.67 -0.04 0.00	32.87 -0.14 0.00	35.80 -0.55 0.00	36.76 -0.44 0.00	37.05 -0.69 -0.02	34.96 -0.84 0.00	33.28 -1.13 -0.01	256.56 -6.21 -0.01	388.83 -10.22 0.00	37.79 -0.26 0.00	23.43 0.19 0.00	27.05 0.07 0.00	32.54 0.08 0.00	28.03 -0.16 0.00	17.09 -0.09 0.00
BENSHRST_27_KV_BENSHRST_1 355998	107.06 0.88 -100.33	40.61 2.71 -11.71	28.56 2.52 -0.85	27.16 2.43 0.00	27.66 2.42 0.00	29.28 2.54 -1.20	44.19 2.42 -17.60	68.30 2.48 -44.92	43.72 4.57 -1.99	43.04 4.06 -6.26	46.96 4.41 -9.54	51.64 4.76 -10.54	66.56 4.77 -24.60	84.45 5.02 -41.73	80.53 4.86 -39.86	117.09 4.83 -77.86	297.28 34.52 0.00	483.20 52.88 -31.27	86.31 4.92 -43.34	134.16 2.53 -108.39	76.54 2.91 -46.64	76.78 3.40 -40.91	45.17 3.17 -13.81	62.60 2.04 -43.39
BETHLEHEM___GRP 23843	24.52 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.73 0.67 -2.90	28.71 0.67 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.83 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.49 7.73 0.00	498.08 12.63 -86.41	43.67 1.00 -4.62	47.45 0.56 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
BETHLEHEM___GS1 323560	24.53 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.72 0.66 -2.90	28.71 0.68 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.84 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.50 7.74 0.00	498.07 12.62 -86.41	43.66 0.99 -4.62	47.45 0.57 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
BETHLEHEM___GS2 323561	24.53 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.72 0.66 -2.90	28.71 0.68 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.84 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.50 7.74 0.00	498.07 12.62 -86.41	43.66 0.99 -4.62	47.45 0.57 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
BETHLEHEM___GS3 323562	24.53 0.26 -18.41	27.52 0.70 -0.64	26.04 0.72 -0.14	25.50 0.77 0.00	26.01 0.77 0.00	26.49 0.75 -0.20	27.72 0.66 -2.90	28.71 0.68 -7.14	38.59 1.11 -0.32	33.48 0.77 0.00	33.85 0.84 0.00	37.27 0.93 0.00	38.18 0.98 0.00	38.78 1.07 0.00	31.13 1.05 5.73	27.67 1.10 7.82	270.50 7.74 0.00	498.07 12.62 -86.41	43.66 0.99 -4.62	47.45 0.57 -23.64	32.83 0.66 -5.18	36.01 0.77 -2.78	29.71 0.79 -0.73	21.27 0.56 -3.53
BETHLEHEM___STEEL 23779	4.26 -0.70 0.90	24.53 -1.09 0.57	23.88 -1.30 0.00	23.42 -1.31 0.00	23.80 -1.44 0.00	24.25 -1.30 0.00	22.92 -1.25 0.00	20.27 -0.63 0.00	36.22 -0.94 0.00	32.17 -0.54 0.00	32.24 -0.77 0.00	34.85 -1.49 0.00	35.29 -1.91 0.00	34.71 -2.08 0.91	33.68 -2.13 0.00	31.17 -2.33 0.89	248.89 -13.78 0.09	382.01 -21.98 -4.95	37.01 -1.04 0.00	23.10 -0.14 0.00	26.83 -0.15 0.00	32.07 -0.40 0.00	27.58 -0.61 0.00	16.82 -0.36 0.00
BETHLHEM_115KV_TB1 79974	24.37 0.26 -18.25	27.55 0.74 -0.63	26.08 0.75 -0.14	25.53 0.80 0.00	26.03 0.79 0.00	26.52 0.78 -0.20	27.74 0.70 -2.88	28.71 0.71 -7.10	38.66 1.18 -0.32	33.57 0.86 0.00	33.93 0.92 0.00	37.37 1.02 0.00	38.26 1.07 0.00	38.86 1.15 0.00	31.54 1.12 5.39	28.20 1.16 7.36	271.01 8.25 0.00	495.95 13.37 -83.53	43.73 1.09 -4.58	47.34 0.62 -23.47	32.85 0.73 -5.14	36.07 0.85 -2.76	29.77 0.85 -0.72	21.29 0.60 -3.51
BETHPAGE_CC_5 323564	108.72 0.81 -102.05	42.94 2.41 -14.34	57.40 2.37 -29.85	54.46 2.32 -27.42	51.78 2.30 -24.24	41.30 2.38 -13.38	44.15 2.22 -17.77	68.23 2.17 -45.17	48.20 4.09 -6.95	57.16 3.76 -20.69	54.24 4.13 -17.10	54.63 4.52 -13.76	77.22 4.56 -35.46	109.95 4.78 -67.46	120.75 4.64 -80.29	88.83 4.60 -49.83	365.08 32.58 -69.73	642.03 51.47 -191.52	115.79 4.80 -72.94	181.62 2.54 -155.84	70.87 3.02 -40.86	48.79 3.45 -12.88	36.74 2.97 -5.58	55.74 1.92 -36.64
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	4.25 -0.69 0.91	24.58 -1.03 0.58	23.94 -1.24 0.00	23.47 -1.26 0.00	23.85 -1.38 0.00	24.31 -1.23 0.00	22.98 -1.18 0.00	20.33 -0.57 0.00	36.35 -0.81 0.00	32.31 -0.40 0.00	32.39 -0.63 0.00	35.03 -1.31 0.00	35.48 -1.72 0.00	34.97 -1.87 0.86	33.87 -1.94 0.00	31.41 -2.15 0.84	250.40 -12.28 0.09	384.32 -19.74 -5.02	37.21 -0.84 0.00	23.22 -0.02 0.00	26.97 -0.01 0.00	32.21 -0.25 0.00	27.70 -0.49 0.00	16.89 -0.29 0.00



BINGHAMTON___COGEN 23790	5.46 -0.13 0.26	26.11 0.09 0.17	25.20 0.01 0.00	24.70 -0.03 0.00	25.25 0.01 0.00	25.62 0.07 0.00	24.28 0.11 0.00	21.20 0.30 0.00	37.88 0.72 0.00	33.52 0.81 0.00	33.84 0.83 0.00	37.10 0.74 -0.02	37.82 0.62 0.00	38.37 0.66 0.00	36.65 0.57 -0.28	34.97 0.57 0.00	267.97 5.21 0.00	415.77 5.88 -10.84	38.86 0.80 0.00	23.93 0.69 0.00	27.80 0.80 -0.01	33.30 0.81 -0.03	28.76 0.57 0.00	17.51 0.33 0.00
BIXINCNT_115KV_LOAD 355685	4.00 -0.84 1.02	24.44 -1.10 0.64	23.86 -1.32 0.00	23.37 -1.35 0.00	23.84 -1.39 0.00	24.39 -1.16 0.00	23.06 -1.10 0.00	20.45 -0.45 0.00	36.86 -0.30 0.00	32.83 0.12 0.00	32.84 -0.17 0.00	35.27 -1.07 0.00	35.71 -1.48 0.00	35.57 -1.55 0.59	34.11 -1.70 0.00	31.98 -1.85 0.56	252.32 -10.38 0.06	386.56 -17.85 -5.36	37.40 -0.65 0.00	23.44 0.20 0.00	27.33 0.34 0.00	32.60 0.14 0.00	27.97 -0.23 0.00	17.02 -0.15 0.00
BLACK RIVER___HYD 24047	5.57 -0.28 0.00	25.66 -0.52 0.00	24.22 -0.76 0.19	10.04 -1.05 13.63	-14.33 -0.60 38.96	-14.74 -0.50 39.79	-13.13 -0.28 37.01	20.90 0.01 0.00	37.28 0.12 0.00	32.92 0.20 0.00	32.88 -0.13 0.00	35.96 -0.43 -0.05	36.85 -0.35 0.00	37.63 -0.08 0.00	19.57 -0.32 15.92	-34.43 -0.50 68.32	247.55 0.08 15.29	401.94 2.89 0.00	37.62 -0.43 0.00	22.78 -0.46 0.00	26.72 -0.30 -0.03	32.05 -0.48 -0.06	27.21 -0.98 0.00	-6.58 -0.83 22.93
BLACKRVR_115KV_TB2 79977	5.57 -0.28 0.00	25.66 -0.52 0.00	24.22 -0.76 0.19	10.04 -1.05 13.63	-14.33 -0.60 38.96	-14.74 -0.50 39.79	-13.13 -0.28 37.01	20.90 0.01 0.00	37.27 0.12 0.00	32.91 0.20 0.00	32.88 -0.13 0.00	35.96 -0.43 -0.05	36.85 -0.35 0.00	37.63 -0.08 0.00	19.57 -0.32 15.92	-34.43 -0.50 68.32	247.57 0.10 15.29	401.94 2.89 0.00	37.61 -0.44 0.00	22.78 -0.46 0.00	26.72 -0.29 -0.03	32.05 -0.48 -0.06	27.20 -0.99 0.00	-6.58 -0.83 22.93
BLISS_WT_PWR 323608	3.94 -0.90 1.02	24.36 -1.19 0.64	23.76 -1.42 0.00	23.28 -1.45 0.00	23.75 -1.49 0.00	24.31 -1.23 0.00	23.01 -1.15 0.00	20.42 -0.48 0.00	36.87 -0.29 0.00	32.85 0.14 0.00	32.85 -0.16 0.00	35.30 -1.05 0.00	35.70 -1.50 0.00	35.56 -1.56 0.59	34.09 -1.72 0.00	31.96 -1.87 0.56	252.03 -10.68 0.06	386.50 -17.90 -5.36	37.41 -0.65 0.00	23.45 0.21 0.00	27.32 0.33 0.00	32.59 0.12 0.00	27.96 -0.23 0.00	17.00 -0.18 0.00
BLUESTONE___WT_PWR 323821	5.70 -0.73 -0.57	26.89 0.34 -0.36	25.55 0.37 0.00	24.90 0.17 0.00	25.65 0.41 0.00	26.83 1.29 0.00	25.49 1.33 0.00	22.17 1.28 0.00	39.38 2.22 0.00	34.78 2.07 0.00	34.99 1.97 0.00	38.15 1.78 -0.02	38.25 1.05 0.00	38.06 0.35 0.00	36.36 0.31 -0.24	34.69 0.30 0.00	267.09 4.33 0.00	421.19 5.73 -16.42	38.66 0.31 -0.30	25.40 0.58 -1.58	28.39 1.34 -0.07	34.38 1.90 -0.02	29.90 1.71 0.00	18.25 1.07 0.00
BLUE_CIRC_CHEM_DRP 24182	22.02 0.28 -15.89	27.64 0.91 -0.55	26.23 0.92 -0.13	25.71 0.98 0.00	26.22 0.98 0.00	26.70 0.97 -0.18	27.64 0.88 -2.60	28.07 0.77 -6.41	38.72 1.27 -0.29	33.50 0.79 0.00	33.78 0.77 0.00	36.83 0.49 0.00	37.46 0.26 0.00	38.06 0.35 0.00	30.95 0.36 5.22	27.70 0.43 7.13	265.87 3.10 0.00	476.86 7.18 -70.64	43.04 0.48 -4.51	46.60 0.26 -23.10	32.39 0.35 -5.06	35.62 0.44 -2.71	29.54 0.66 -0.68	21.04 0.69 -3.17
BOC_GAS_DRP 24189	23.47 0.27 -17.35	27.57 0.79 -0.60	26.11 0.79 -0.13	25.56 0.83 0.00	26.06 0.83 0.00	26.55 0.82 -0.19	27.72 0.76 -2.80	28.53 0.74 -6.90	38.75 1.28 -0.31	33.71 1.00 0.00	34.10 1.09 0.00	37.53 1.19 0.00	38.39 1.20 0.00	38.98 1.27 0.00	33.52 1.22 3.51	30.84 1.24 4.79	271.54 8.78 0.00	480.42 13.84 -67.54	43.01 1.21 -3.75	43.08 0.70 -19.13	32.60 0.81 -4.80	36.06 0.96 -2.64	29.81 0.93 -0.69	21.22 0.64 -3.41
BOONVILLE_115KV_TB1 79983	5.90 0.04 0.00	26.52 0.33 0.00	25.32 0.24 0.10	29.37 0.09 -4.54	42.40 0.30 -16.86	41.42 0.37 -15.50	31.59 0.40 -7.02	21.42 0.52 0.00	38.16 1.01 0.00	33.57 0.85 0.00	33.68 0.67 0.00	36.97 0.61 -0.01	37.78 0.58 0.00	38.45 0.74 0.00	48.26 0.65 -11.80	84.92 0.88 -49.64	286.59 5.49 -18.33	407.46 8.42 0.00	38.47 0.42 0.00	23.38 0.14 0.00	27.28 0.28 -0.01	32.87 0.39 -0.02	28.13 -0.06 0.00	30.40 -0.14 -13.37
BORALEX_4TH_BRANCH 23824	28.91 0.48 -22.58	28.63 1.66 -0.78	27.00 1.66 -0.16	26.45 1.72 0.00	27.00 1.76 0.00	27.58 1.80 -0.23	29.25 1.73 -3.36	30.79 1.61 -8.28	40.41 2.87 -0.37	34.79 2.08 0.00	34.96 1.95 0.00	38.68 2.34 0.00	39.72 2.53 0.00	40.37 2.66 0.00	42.06 2.63 -3.63	42.36 2.59 -5.38	280.11 17.35 0.00	536.10 28.06 -109.00	46.88 2.53 -6.30	57.13 1.50 -32.38	35.05 1.83 -6.24	37.86 2.15 -3.24	31.00 1.95 -0.86	22.39 1.12 -4.10
BOWLINE___1 23526	-124.14 0.60 130.60	22.24 1.82 5.76	25.54 1.70 1.34	26.39 1.66 0.00	26.86 1.63 0.00	25.33 1.68 1.90	-2.05 1.56 27.77	-46.00 1.63 68.52	37.11 3.05 3.10	35.51 2.79 0.00	36.22 3.21 0.00	39.89 3.55 0.00	40.75 3.56 0.00	41.41 3.71 0.00	39.89 3.58 -0.50	41.19 3.60 -3.20	289.34 26.58 0.00	469.48 40.36 -30.07	74.16 3.73 -32.38	192.17 2.04 -166.88	58.76 2.35 -29.43	50.09 2.69 -14.95	31.83 2.32 -1.32	-15.25 1.47 33.89
BOWLINE___2 23595	-124.22 0.59 130.67	22.22 1.79 5.76	25.53 1.69 1.34	26.38 1.65 0.00	26.86 1.62 0.00	25.32 1.67 1.90	-2.10 1.54 27.80	-46.09 1.61 68.59	37.05 2.99 3.10	35.45 2.74 0.00	36.16 3.15 0.00	39.83 3.49 0.00	40.70 3.50 0.00	41.35 3.64 0.00	39.84 3.53 -0.50	41.12 3.54 -3.19	288.88 26.11 0.00	468.87 39.76 -30.07	74.02 3.67 -32.29	191.70 2.01 -166.45	58.62 2.31 -29.33	50.00 2.64 -14.89	31.79 2.29 -1.31	-15.30 1.44 33.92
BRADY___115KV_TB2 356060	5.70 -0.15 0.00	25.61 -0.57 0.00	23.64 -0.57 0.97	0.95 -0.60 23.18	-27.00 -0.53 51.70	-34.25 -0.56 59.24	-59.22 -0.60 82.78	20.17 -0.73 0.00	35.77 -1.39 0.00	31.48 -1.23 0.00	31.49 -1.52 0.00	34.78 -1.57 0.00	35.55 -1.65 0.00	36.06 -1.65 0.00	29.40 -1.24 5.17	-5.14 -1.33 38.21	247.15 -10.82 4.79	384.20 -14.85 0.00	36.31 -1.74 0.00	22.15 -1.09 0.00	26.01 -0.98 0.00	31.50 -0.96 0.00	27.33 -0.86 0.00	-21.84 -0.65 38.37
BRANSCOMB___SOLAR 323811	24.42 0.48 -18.08	28.55 1.74 -0.63	26.89 1.57 -0.13	26.35 1.62 0.00	26.78 1.54 0.00	27.33 1.59 -0.19	28.58 1.62 -2.80	29.34 1.54 -6.90	40.16 2.68 -0.31	34.80 2.08 0.00	34.92 1.91 0.00	38.56 2.21 0.00	39.57 2.37 0.00	40.14 2.44 0.00	41.20 2.42 -2.97	40.88 2.43 -4.06	283.12 20.35 0.00	568.17 32.40 -136.73	44.85 2.37 -4.43	47.46 1.50 -22.72	33.76 1.80 -4.97	37.27 2.14 -2.67	30.72 1.83 -0.70	21.65 1.06 -3.41
BRENTWOD_69_KV_W. BRTWOOD 56703	108.83 0.92 -102.05	43.32 2.80 -14.34	57.67 2.64 -29.85	54.72 2.57 -27.42	52.04 2.56 -24.24	41.55 2.63 -13.38	44.41 2.48 -17.77	68.47 2.41 -45.17	48.72 4.61 -6.95	77.09 4.25 -40.13	61.37 4.47 -23.88	61.41 4.91 -20.16	93.54 4.72 -51.62	125.92 4.89 -83.31	136.88 4.75 -96.32	104.78 4.70 -65.69	336.41 32.64 -41.01	579.23 52.84 -127.35	142.29 4.96 -99.28	179.85 2.59 -154.02	83.73 3.19 -53.55	51.58 3.62 -15.49	37.49 3.30 -6.00	58.11 2.19 -38.74



BRISTLHL_115KV_TB1 79998	5.68 -0.17 0.00	25.71 -0.48 0.00	24.63 -0.53 0.02	22.95 -0.55 1.23	21.32 -0.56 3.36	21.51 -0.53 3.50	20.14 -0.46 3.57	20.63 -0.27 0.00	36.70 -0.46 0.00	32.40 -0.31 0.00	32.70 -0.31 0.00	36.04 -0.41 -0.10	36.80 -0.40 0.00	37.32 -0.39 0.00	35.62 -0.29 -0.10	29.17 -0.38 4.85	258.80 -2.86 1.10	393.72 -5.32 0.00	37.76 -0.29 0.00	23.17 -0.07 0.00	26.92 -0.14 -0.07	32.34 -0.25 -0.12	27.86 -0.33 0.00	14.97 -0.17 2.04
BROOKHAVEN___DRP 24191	108.83 0.92 -102.05	43.21 2.68 -14.34	57.54 2.50 -29.85	54.57 2.43 -27.42	51.88 2.41 -24.24	41.40 2.47 -13.38	44.28 2.35 -17.77	68.39 2.32 -45.17	48.62 4.51 -6.95	72.87 4.24 -35.91	89.28 4.57 -51.70	87.73 5.00 -46.38	165.50 4.95 -123.35	253.24 5.16 -210.37	275.53 5.02 -234.70	236.88 4.89 -197.60	359.89 33.16 -63.97	593.39 55.22 -139.12	328.17 5.35 -284.77	222.17 2.69 -196.24	155.14 3.37 -124.79	62.51 3.84 -26.21	38.29 3.28 -6.82	57.61 2.15 -38.28
BROOKLYN_NAVY_YARD 23515	106.91 0.76 -100.30	32.86 2.39 -4.29	28.27 2.23 -0.85	26.88 2.15 0.00	27.36 2.13 0.00	28.97 2.22 -1.20	43.86 2.09 -17.61	67.95 2.17 -44.89	43.11 3.99 -1.96	42.41 3.62 -6.08	39.76 4.00 -2.75	41.53 4.36 -0.82	41.51 4.31 0.00	42.21 4.50 0.00	40.73 4.37 -0.55	41.13 4.34 -2.38	294.44 31.68 0.00	478.30 47.98 -31.27	69.40 4.50 -26.85	164.27 2.40 -138.62	52.47 2.75 -22.74	46.97 3.20 -11.30	34.15 2.84 -3.12	40.48 1.81 -21.49
BROOKLYN___ARMY_DRP 323595	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.46 31.69 0.00	478.95 48.63 -31.27	85.89 4.51 -43.34	133.90 2.28 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
BROOKVLE_69_KV_TB1 55790	108.77 0.86 -102.05	43.21 2.68 -14.34	57.68 2.65 -29.85	54.71 2.57 -27.42	52.01 2.53 -24.24	41.55 2.62 -13.38	44.39 2.46 -17.77	68.49 2.42 -45.17	48.71 4.60 -6.95	55.79 4.13 -18.94	53.99 4.56 -16.42	54.54 5.07 -13.12	81.78 5.14 -39.44	172.11 5.37 -129.03	193.69 5.19 -152.68	155.89 5.12 -116.38	513.41 36.85 -213.80	933.46 57.35 -477.07	192.59 5.35 -149.19	213.03 2.88 -186.91	89.52 3.40 -59.13	48.96 3.89 -12.61	37.07 3.34 -5.54	55.73 2.10 -36.44
BROOME_2_LFGE 323671	5.47 -0.12 0.26	26.11 0.09 0.17	25.19 0.01 0.00	24.70 -0.03 0.00	25.24 0.01 0.00	25.62 0.07 0.00	24.28 0.12 0.00	21.20 0.30 0.00	37.88 0.72 0.00	33.51 0.80 0.00	33.84 0.83 0.00	37.10 0.74 -0.02	37.82 0.62 0.00	38.36 0.65 0.00	36.65 0.57 -0.28	34.96 0.57 0.00	268.02 5.26 0.00	415.76 5.87 -10.84	38.86 0.80 0.00	23.93 0.69 0.00	27.79 0.79 -0.01	33.30 0.80 -0.03	28.76 0.57 0.00	17.51 0.33 0.00
BROOME___LFGE 323600	5.47 -0.12 0.26	26.11 0.09 0.17	25.19 0.01 0.00	24.70 -0.03 0.00	25.24 0.01 0.00	25.62 0.07 0.00	24.28 0.12 0.00	21.20 0.30 0.00	37.88 0.72 0.00	33.51 0.80 0.00	33.84 0.83 0.00	37.10 0.74 -0.02	37.82 0.62 0.00	38.36 0.65 0.00	36.65 0.57 -0.28	34.96 0.57 0.00	268.02 5.26 0.00	415.76 5.87 -10.84	38.86 0.80 0.00	23.93 0.69 0.00	27.79 0.79 -0.01	33.30 0.80 -0.03	28.76 0.57 0.00	17.51 0.33 0.00
BROWNFLS_115KV_TB_3_5 80003	5.58 -0.27 0.00	25.17 -1.02 0.00	23.54 -1.13 0.50	3.30 -1.36 20.06	-28.26 -1.07 52.42	-31.21 -1.04 55.71	-37.93 -0.94 61.15	20.21 -0.69 0.00	36.07 -1.09 0.00	31.82 -0.89 0.00	31.79 -1.22 0.00	34.96 -1.41 -0.02	35.73 -1.47 0.00	36.38 -1.33 0.00	18.17 -1.30 16.34	-42.02 -1.18 75.24	238.74 -8.66 15.37	387.83 -11.22 0.00	36.44 -1.62 0.00	22.19 -1.05 0.00	26.04 -0.96 -0.01	31.39 -1.10 -0.03	26.84 -1.35 0.00	-17.41 -1.04 33.54
BROWNSV1_27_KV_LOAD 356125	106.98 0.82 -100.30	33.21 2.74 -4.29	28.60 2.57 -0.85	27.22 2.49 0.00	27.69 2.45 0.00	29.30 2.55 -1.20	44.19 2.42 -17.61	68.23 2.45 -44.89	43.64 4.52 -1.96	42.90 4.11 -6.08	40.26 4.50 -2.75	42.12 4.95 -0.82	42.10 4.90 0.00	42.78 5.06 0.00	41.28 4.92 -0.55	41.67 4.89 -2.38	298.64 35.87 0.00	484.85 54.53 -31.27	70.04 5.14 -26.85	164.64 2.78 -138.62	52.88 3.16 -22.74	47.45 3.68 -11.30	34.59 3.28 -3.12	40.73 2.07 -21.49
BURROWS___LYONSDAL 23803	5.84 -0.02 0.00	26.32 0.13 0.00	25.05 0.01 0.14	21.64 -0.18 2.91	19.27 0.10 6.07	18.53 0.17 7.19	13.43 0.21 10.94	21.30 0.41 0.00	37.96 0.80 0.00	33.37 0.66 0.00	33.46 0.45 0.00	36.71 0.35 -0.02	37.49 0.30 0.00	38.14 0.43 0.00	36.34 0.32 -0.21	32.86 0.64 2.19	266.72 3.96 0.00	405.52 6.47 0.00	38.22 0.16 0.00	23.19 -0.05 0.00	27.07 0.07 -0.01	32.62 0.13 -0.02	27.85 -0.34 0.00	10.50 -0.33 6.35
CAITHNESS_CC_1 323624	108.82 0.91 -102.05	43.19 2.66 -14.34	57.53 2.49 -29.85	54.56 2.42 -27.42	51.86 2.39 -24.24	41.40 2.47 -13.38	44.26 2.33 -17.77	68.36 2.30 -45.17	48.56 4.44 -6.95	72.73 4.17 -35.84	88.99 4.49 -51.49	87.44 4.90 -46.19	164.87 4.86 -122.81	252.14 5.06 -209.37	274.32 4.90 -233.61	235.75 4.80 -196.56	358.73 32.67 -63.30	591.53 53.79 -138.69	326.53 5.15 -283.32	221.04 2.63 -195.17	154.52 3.29 -124.24	62.35 3.75 -26.13	38.23 3.23 -6.81	57.58 2.12 -38.28
CALPINE BETH_PAGE_GT4 24209	108.72 0.81 -102.05	42.93 2.40 -14.34	57.42 2.39 -29.85	54.47 2.33 -27.42	51.79 2.30 -24.24	41.30 2.38 -13.38	44.16 2.23 -17.77	68.24 2.17 -45.17	48.17 4.06 -6.95	56.70 3.74 -20.25	54.06 4.11 -16.94	54.46 4.50 -13.61	77.46 4.53 -35.73	116.83 4.76 -74.36	128.89 4.64 -88.44	96.29 4.58 -57.31	382.02 32.53 -86.72	675.50 51.31 -225.15	124.26 4.80 -81.41	185.22 2.52 -159.45	72.80 3.00 -42.81	48.71 3.43 -12.81	36.72 2.96 -5.57	55.67 1.90 -36.58
CALPINE_BETH_PAGE_GT_4 323586	108.71 0.80 -102.05	42.93 2.40 -14.34	57.42 2.38 -29.85	54.47 2.33 -27.42	51.79 2.31 -24.24	41.31 2.38 -13.38	44.15 2.23 -17.77	68.24 2.17 -45.17	48.17 4.06 -6.95	56.69 3.73 -20.25	54.06 4.10 -16.94	54.45 4.50 -13.61	77.46 4.53 -35.73	116.83 4.76 -74.36	128.89 4.64 -88.44	96.28 4.58 -57.31	382.04 32.56 -86.73	675.52 51.32 -225.16	124.24 4.79 -81.41	185.23 2.53 -159.45	72.80 3.00 -42.82	48.71 3.43 -12.82	36.72 2.96 -5.57	55.67 1.90 -36.59
CALPINE_BP_GT1 23823	108.71 0.80 -102.05	42.93 2.40 -14.34	57.42 2.38 -29.85	54.47 2.33 -27.42	51.79 2.31 -24.24	41.31 2.38 -13.38	44.15 2.23 -17.77	68.24 2.17 -45.17	48.17 4.06 -6.95	56.69 3.73 -20.25	54.06 4.10 -16.94	54.45 4.50 -13.61	77.46 4.53 -35.73	116.83 4.76 -74.36	128.89 4.64 -88.44	96.28 4.58 -57.31	382.04 32.56 -86.73	675.52 51.32 -225.16	124.24 4.79 -81.41	185.23 2.53 -159.45	72.80 3.00 -42.82	48.71 3.43 -12.82	36.72 2.96 -5.57	55.67 1.90 -36.59
CALSPAN___DRP 24200	4.26 -0.70 0.90	24.53 -1.09 0.57	23.88 -1.30 0.00	23.42 -1.31 0.00	23.80 -1.44 0.00	24.25 -1.30 0.00	22.92 -1.25 0.00	20.27 -0.63 0.00	36.22 -0.94 0.00	32.17 -0.54 0.00	32.24 -0.77 0.00	34.85 -1.49 0.00	35.29 -1.91 0.00	34.71 -2.08 0.91	33.68 -2.13 0.00	31.17 -2.33 0.89	248.89 -13.78 0.09	382.01 -21.98 -4.95	37.01 -1.04 0.00	23.10 -0.14 0.00	26.83 -0.15 0.00	32.07 -0.40 0.00	27.58 -0.61 0.00	16.82 -0.36 0.00



CALVERTON___SOLAR 323806	108.84 0.93 -102.05	43.24 2.71 -14.34	57.56 2.53 -29.85	54.60 2.45 -27.42	51.91 2.43 -24.24	41.43 2.50 -13.38	44.31 2.38 -17.77	68.43 2.36 -45.17	48.72 4.61 -6.95	73.00 4.35 -35.94	89.49 4.70 -51.79	87.95 5.14 -46.47	165.88 5.10 -123.58	253.84 5.34 -210.79	276.16 5.18 -235.16	237.46 5.03 -198.04	361.08 34.10 -64.22	595.28 56.95 -139.28	328.97 5.54 -285.38	222.67 2.78 -196.65	155.48 3.47 -125.02	62.65 3.94 -26.25	38.37 3.36 -6.82	57.65 2.19 -38.29
CANDIGU_WT_PWR 323617	3.57 -0.71 1.57	24.21 -0.98 0.99	24.08 -1.10 0.00	23.53 -1.20 0.00	24.10 -1.13 0.00	24.44 -1.11 0.00	23.22 -0.94 0.00	20.44 -0.46 0.00	36.81 -0.35 0.00	32.79 0.08 0.00	32.91 -0.10 0.00	35.47 -0.89 -0.01	35.66 -1.53 0.00	30.83 -1.65 5.23	34.38 -1.58 -0.15	27.67 -1.66 5.07	251.56 -10.67 0.53	388.24 -17.56 -6.76	37.37 -0.68 0.00	23.53 0.29 0.00	27.45 0.45 -0.01	32.70 0.22 -0.01	28.12 -0.07 0.00	17.05 -0.13 0.00
CARR STREET_E_SYR 24060	5.71 -0.14 0.00	25.85 -0.33 0.00	24.77 -0.40 0.02	23.89 -0.42 0.42	23.94 -0.43 0.87	24.12 -0.39 1.03	22.28 -0.32 1.57	20.77 -0.13 0.00	37.00 -0.16 0.00	32.69 -0.02 0.00	33.00 -0.01 0.00	36.31 -0.07 -0.03	37.14 -0.06 0.00	37.69 -0.02 0.00	36.19 -0.02 -0.40	34.25 -0.15 0.00	261.73 -1.02 0.00	396.48 -2.57 0.00	38.02 -0.03 0.00	23.34 0.10 0.00	27.06 0.05 -0.02	32.47 -0.02 -0.04	28.06 -0.13 0.00	16.40 -0.06 0.72
CARTHAGE___PAPER 23857	5.64 -0.21 0.00	25.77 -0.41 0.00	24.34 -0.62 0.23	7.81 -0.90 16.02	-21.01 -0.45 45.79	-21.58 -0.37 46.76	-19.49 -0.22 43.42	20.94 0.04 0.00	37.31 0.16 0.00	32.86 0.15 0.00	32.82 -0.19 0.00	35.93 -0.45 -0.04	36.79 -0.40 0.00	37.53 -0.18 0.00	16.51 -0.35 18.95	-46.29 -0.24 80.44	244.83 0.09 18.02	401.30 2.26 0.00	37.60 -0.45 0.00	22.78 -0.46 0.00	26.70 -0.31 -0.03	32.10 -0.42 -0.05	27.27 -0.92 0.00	-10.54 -0.78 26.95
CASSADAGA_WT_PWR 323784	4.22 -0.63 1.00	25.06 -0.49 0.63	24.32 -0.86 0.00	23.70 -1.03 0.00	24.18 -1.06 0.00	24.63 -0.92 0.00	23.14 -1.02 0.00	20.58 -0.32 0.00	36.76 -0.40 0.00	32.74 0.03 0.00	32.62 -0.39 0.00	35.23 -1.12 0.00	34.97 -2.23 0.00	34.77 -2.27 0.68	33.64 -2.17 0.00	32.31 -1.44 0.64	254.87 -7.83 0.06	391.24 -13.09 -5.28	37.63 -0.43 0.00	23.70 0.46 0.00	27.92 0.93 0.00	33.12 0.65 0.00	28.18 -0.02 0.00	17.12 -0.06 0.00
CE_DUNWOOD___DRP 24194	110.41 0.66 -103.90	32.74 2.06 -4.50	28.03 1.94 -0.91	26.61 1.88 0.00	27.09 1.85 0.00	28.75 1.92 -1.28	44.75 1.81 -18.79	69.11 1.87 -46.35	42.73 3.48 -2.09	35.85 3.14 0.00	36.53 3.52 0.00	40.22 3.88 0.00	41.07 3.87 0.00	41.75 4.04 0.00	40.27 3.91 -0.55	40.77 3.91 -2.47	291.50 28.73 0.00	473.98 43.74 -31.20	69.46 4.07 -27.34	166.60 2.22 -141.14	52.85 2.54 -23.32	47.01 2.93 -11.62	33.97 2.58 -3.20	41.73 1.62 -22.92
CE_MILLWOOD___DRP 24193	168.15 0.64 -161.66	38.40 1.98 -10.23	27.99 1.86 -0.95	26.54 1.81 0.00	27.01 1.78 0.00	28.73 1.84 -1.34	45.55 1.73 -19.65	71.18 1.79 -48.49	42.69 3.34 -2.19	35.73 3.02 0.00	36.40 3.39 0.00	40.10 3.75 0.00	40.95 3.75 0.00	41.62 3.91 0.00	40.15 3.79 -0.54	40.78 3.79 -2.59	290.61 27.85 0.00	472.53 42.44 -31.05	70.09 3.95 -28.09	170.39 2.16 -145.00	53.69 2.48 -24.22	47.41 2.84 -12.11	34.00 2.50 -3.31	42.73 1.57 -23.98
CE_NYC2_DRP 24202	106.92 0.78 -100.29	32.86 2.39 -4.29	28.26 2.23 -0.85	26.89 2.16 0.00	27.37 2.13 0.00	28.98 2.24 -1.20	43.90 2.13 -17.60	68.02 2.20 -44.92	43.14 4.02 -1.96	42.52 3.55 -6.26	39.73 3.88 -2.84	41.40 4.20 -0.85	41.38 4.19 0.00	42.09 4.38 0.00	40.62 4.26 -0.55	41.04 4.26 -2.38	293.30 30.53 0.00	476.86 46.55 -31.27	66.18 4.30 -23.83	103.03 2.19 -77.60	34.78 2.50 -5.29	30.68 2.91 4.70	30.47 2.71 0.43	40.46 1.80 -21.48
CE_NYC_DRP 24195	106.90 0.75 -100.30	32.84 2.36 -4.29	28.25 2.22 -0.85	26.88 2.15 0.00	27.35 2.11 0.00	28.96 2.21 -1.20	43.85 2.08 -17.61	67.93 2.15 -44.88	43.09 3.97 -1.96	42.36 3.61 -6.04	39.73 3.98 -2.73	41.54 4.37 -0.82	41.51 4.32 0.00	42.18 4.47 0.00	40.71 4.35 -0.55	41.11 4.33 -2.38	294.18 31.41 0.00	478.16 47.85 -31.27	69.39 4.49 -26.85	164.24 2.37 -138.63	52.44 2.71 -22.74	46.91 3.14 -11.30	34.13 2.82 -3.12	40.47 1.80 -21.49
CHAFFEE___LFGE 323603	4.21 -0.68 0.96	24.64 -0.94 0.61	24.03 -1.15 0.00	23.56 -1.17 0.00	23.93 -1.30 0.00	24.40 -1.15 0.00	23.07 -1.10 0.00	20.42 -0.48 0.00	36.49 -0.67 0.00	32.42 -0.29 0.00	32.50 -0.51 0.00	35.17 -1.17 0.00	35.61 -1.59 0.00	35.20 -1.75 0.75	33.96 -1.84 0.00	31.63 -2.05 0.73	251.00 -11.68 0.07	385.74 -18.45 -5.15	37.35 -0.70 0.00	23.31 0.07 0.00	27.07 0.08 0.00	32.32 -0.14 0.00	27.78 -0.41 0.00	16.91 -0.27 0.00
CHATEAUG_35_KV_LOAD 355732	5.76 -0.10 0.00	25.87 -0.32 0.00	24.77 -0.34 0.07	21.17 -0.35 3.20	16.45 -0.22 8.57	16.09 -0.45 9.01	14.16 -0.50 9.50	20.22 -0.67 0.00	35.94 -1.22 0.00	31.60 -1.12 0.00	31.54 -1.47 0.00	34.81 -1.53 0.00	35.65 -1.55 0.00	36.12 -1.59 0.00	31.38 -1.48 2.96	1.94 -1.42 31.04	250.32 -9.69 2.74	384.76 -14.28 0.00	36.57 -1.48 0.00	22.32 -0.92 0.00	26.02 -0.97 0.00	31.53 -0.93 0.00	27.55 -0.64 0.00	11.13 -0.68 5.37
CHATEAUG_WT_PWR 323614	5.76 -0.09 0.00	25.89 -0.30 0.00	24.89 -0.29 0.00	23.05 -0.31 1.37	20.69 -0.18 4.37	20.88 -0.40 4.27	20.58 -0.47 3.12	20.27 -0.63 0.00	36.07 -1.09 0.00	31.72 -0.99 0.00	31.62 -1.39 0.00	34.83 -1.51 0.00	35.69 -1.51 0.00	36.18 -1.53 0.00	32.01 -1.43 2.37	3.78 -1.48 29.13	250.17 -10.39 2.20	383.39 -15.66 0.00	36.41 -1.65 0.00	22.25 -0.99 0.00	25.95 -1.04 0.00	31.47 -0.99 0.00	27.58 -0.62 0.00	14.26 -0.68 2.24
CHAT_HIGH_FALL_HYD 323578	5.76 -0.10 0.00	25.87 -0.32 0.00	24.77 -0.34 0.07	21.17 -0.35 3.20	16.45 -0.22 8.57	16.09 -0.45 9.01	14.16 -0.50 9.50	20.22 -0.67 0.00	35.94 -1.22 0.00	31.60 -1.12 0.00	31.54 -1.47 0.00	34.81 -1.53 0.00	35.65 -1.55 0.00	36.12 -1.59 0.00	31.38 -1.48 2.96	1.94 -1.42 31.04	250.32 -9.69 2.74	384.76 -14.28 0.00	36.57 -1.48 0.00	22.32 -0.92 0.00	26.02 -0.97 0.00	31.53 -0.93 0.00	27.55 -0.64 0.00	11.13 -0.68 5.37
CHAUTAUQUA___LFGE 323629	4.24 -0.66 0.95	24.82 -0.76 0.60	24.10 -1.08 0.00	23.52 -1.21 0.00	23.98 -1.26 0.00	24.40 -1.15 0.00	23.06 -1.10 0.00	20.51 -0.38 0.00	36.72 -0.43 0.00	32.63 -0.08 0.00	32.67 -0.34 0.00	35.41 -0.94 0.00	35.49 -1.70 0.00	35.10 -1.77 0.83	33.97 -1.84 0.00	32.03 -1.58 0.79	254.35 -8.33 0.08	389.64 -14.55 -5.15	37.58 -0.48 0.00	23.58 0.34 0.00	27.58 0.60 0.00	32.78 0.31 0.00	28.05 -0.14 0.00	17.06 -0.12 0.00
CHERRYST_13_KV_LD 356241	106.93 0.77 -100.30	32.94 2.47 -4.29	28.35 2.32 -0.85	26.98 2.25 0.00	27.45 2.21 0.00	29.07 2.32 -1.20	43.98 2.20 -17.61	68.03 2.26 -44.88	43.31 4.19 -1.96	42.56 3.81 -6.04	39.94 4.20 -2.73	41.77 4.61 -0.82	41.74 4.55 0.00	42.43 4.72 0.00	40.93 4.58 -0.55	41.32 4.54 -2.38	295.80 33.04 0.00	480.46 50.14 -31.27	69.60 4.70 -26.85	164.35 2.49 -138.63	52.57 2.85 -22.74	47.06 3.29 -11.30	34.26 2.95 -3.12	40.53 1.87 -21.49



CHESTROR_138KV_BK263 355645	-89.18 0.53 95.56	23.62 1.60 4.17	25.85 1.50 0.83	26.19 1.46 0.00	26.67 1.43 0.00	25.86 1.48 1.17	8.46 1.39 17.10	-19.83 1.45 42.18	37.95 2.69 1.91	35.16 2.45 0.00	35.80 2.79 0.00	39.44 3.09 0.00	40.30 3.11 0.00	40.97 3.27 0.00	39.40 3.15 -0.43	53.22 3.17 -15.66	286.37 23.61 0.00	464.29 35.96 -29.28	167.43 3.33 -126.05	671.75 1.88 -646.63	164.31 2.17 -135.15	106.64 2.48 -71.70	42.22 2.13 -11.90	-2.36 1.32 20.86
CH_MIDHUDSON___DRP 24192	32.32 0.58 -25.89	28.89 1.81 -0.90	27.03 1.70 -0.15	26.40 1.67 0.00	26.89 1.65 0.00	27.45 1.70 -0.21	28.81 1.63 -3.02	30.02 1.67 -7.45	40.60 3.10 -0.34	35.49 2.78 0.00	36.12 3.11 0.00	39.82 3.48 0.00	40.73 3.53 0.00	41.41 3.70 0.00	39.87 3.63 -0.44	39.58 3.64 -1.54	289.84 27.08 0.00	472.72 41.24 -32.43	60.19 3.84 -18.29	120.19 2.16 -94.79	42.67 2.47 -13.21	41.53 2.86 -6.20	32.11 2.49 -1.44	22.38 1.52 -3.68
CH_MISC_IPPS 23765	19.17 0.58 -12.73	28.44 1.82 -0.44	26.87 1.69 0.00	26.38 1.65 0.00	26.86 1.63 0.00	27.22 1.68 0.00	25.78 1.61 0.00	22.57 1.67 0.00	40.27 3.10 0.00	35.52 2.81 0.00	36.19 3.18 0.00	39.91 3.57 0.00	40.83 3.63 0.00	41.48 3.77 0.00	39.98 3.77 -0.40	39.79 3.79 -1.61	291.28 28.52 0.00	474.24 43.54 -31.65	60.19 4.05 -18.09	119.26 2.28 -93.74	42.87 2.64 -13.24	41.82 3.10 -6.25	32.15 2.67 -1.28	18.80 1.62 0.00
CH_RES_BVR_FALLS 23983	5.76 -0.09 0.00	25.89 -0.29 0.00	24.91 -0.30 -0.02	24.85 -0.38 -0.51	25.97 -0.33 -1.06	26.48 -0.32 -1.26	25.80 -0.28 -1.91	20.62 -0.27 0.00	36.67 -0.49 0.00	32.25 -0.47 0.00	32.43 -0.59 0.00	35.69 -0.65 0.00	36.37 -0.83 0.00	36.74 -0.97 0.00	34.79 -1.03 0.00	43.83 -0.98 -10.41	257.50 -5.26 0.00	392.76 -6.28 0.00	37.28 -0.78 0.00	22.61 -0.63 0.00	26.34 -0.65 0.00	31.83 -0.63 0.00	27.64 -0.55 0.00	17.59 -0.41 -0.83
CH_RES_NIAGARA 23895	4.23 -0.85 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.66 -2.07 0.00	22.96 -2.27 0.00	23.42 -2.13 0.00	22.08 -2.09 0.00	19.48 -1.42 0.00	34.60 -2.56 0.00	30.65 -2.06 0.00	30.67 -2.34 0.00	33.11 -3.23 0.00	33.63 -3.57 0.00	33.20 -3.81 0.70	32.04 -3.77 0.00	29.62 -4.09 0.68	235.24 -27.44 0.09	361.02 -42.51 -4.48	35.12 -2.93 0.00	21.91 -1.33 0.00	25.30 -1.68 0.00	30.44 -2.03 0.00	26.28 -1.91 0.00	16.13 -1.05 0.00
CH_RES_SYRACUSE 23985	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.96 0.25 0.00	33.24 0.23 0.00	36.63 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.83 0.28 -0.74	34.51 0.12 0.00	263.74 0.98 0.00	399.30 0.26 0.00	38.34 0.29 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.24 -0.07	28.31 0.12 0.00	16.62 0.08 0.64
CLINTON_WT_PWR 323605	5.76 -0.09 0.00	25.89 -0.30 0.00	24.89 -0.29 0.00	23.05 -0.31 1.37	20.69 -0.18 4.37	20.88 -0.40 4.27	20.58 -0.47 3.12	20.27 -0.63 0.00	36.07 -1.09 0.00	31.72 -0.99 0.00	31.62 -1.39 0.00	34.83 -1.51 0.00	35.69 -1.51 0.00	36.18 -1.53 0.00	32.01 -1.43 2.37	3.78 -1.48 29.13	250.17 -10.39 2.20	383.39 -15.66 0.00	36.41 -1.65 0.00	22.25 -0.99 0.00	25.95 -1.04 0.00	31.47 -0.99 0.00	27.58 -0.62 0.00	14.26 -0.68 2.24
CLINTON___LFGE 323618	5.82 -0.04 0.00	26.24 0.05 0.00	25.21 0.05 0.02	22.86 0.00 1.87	19.86 0.13 5.51	19.93 -0.06 5.56	19.17 -0.12 4.87	20.57 -0.33 0.00	36.64 -0.52 0.00	32.05 -0.66 0.00	31.85 -1.16 0.00	35.00 -1.35 0.00	35.80 -1.39 0.00	36.37 -1.34 0.00	32.02 -1.26 2.52	3.36 -1.40 29.63	250.52 -9.91 2.34	385.02 -14.02 0.00	36.60 -1.46 0.00	22.37 -0.87 0.00	26.15 -0.84 0.00	31.76 -0.70 0.00	27.98 -0.21 0.00	13.59 -0.43 3.17
COBBLENY_34_KV_TB1 80064	4.24 -0.66 0.96	24.63 -0.94 0.61	24.03 -1.15 0.00	23.55 -1.18 0.00	23.93 -1.30 0.00	24.40 -1.14 0.00	23.06 -1.10 0.00	20.41 -0.49 0.00	36.46 -0.70 0.00	32.41 -0.30 0.00	32.49 -0.52 0.00	35.13 -1.21 0.00	35.61 -1.59 0.00	35.18 -1.77 0.75	33.96 -1.84 0.00	31.61 -2.06 0.73	251.13 -11.55 0.07	385.60 -18.60 -5.15	37.32 -0.73 0.00	23.29 0.05 0.00	27.07 0.08 0.00	32.31 -0.16 0.00	27.76 -0.43 0.00	16.91 -0.27 0.00
COFFEEN___115KV_TB3 355620	5.61 -0.24 0.00	25.83 -0.36 0.00	24.40 -0.60 0.19	10.64 -0.88 13.21	-12.96 -0.45 37.75	-13.34 -0.33 38.56	-11.83 -0.12 35.87	21.03 0.13 0.00	37.52 0.36 0.00	33.18 0.47 0.00	33.12 0.11 0.00	36.18 -0.21 -0.05	37.11 -0.09 0.00	37.98 0.27 0.00	20.53 0.10 15.38	-32.02 -0.25 66.17	249.85 1.90 14.81	405.31 6.27 0.00	37.92 -0.13 0.00	23.01 -0.23 0.00	27.02 0.00 -0.03	32.38 -0.14 -0.06	27.49 -0.71 0.00	-5.71 -0.66 22.22
COLDSPRG_115KV_BK1 355956	4.20 -0.57 1.08	25.19 -0.31 0.68	24.59 -0.59 0.00	24.02 -0.71 0.00	24.52 -0.71 0.00	25.01 -0.54 0.00	23.59 -0.58 0.00	20.91 0.01 0.00	37.52 0.36 0.00	33.45 0.74 0.00	33.49 0.48 0.00	36.22 -0.13 0.00	36.40 -0.79 0.00	36.47 -0.81 0.43	34.65 -1.16 0.00	33.01 -0.98 0.40	258.89 -3.84 0.04	396.34 -8.18 -5.49	38.05 0.00 0.00	23.87 0.63 0.00	28.16 1.17 0.00	33.46 1.00 0.00	28.57 0.38 0.00	17.36 0.18 0.00
COLONIE_LFGE___ 323577	25.55 0.40 -19.30	28.17 1.32 -0.67	26.59 1.26 -0.14	26.05 1.32 0.00	26.55 1.32 0.00	27.09 1.34 -0.20	28.42 1.30 -2.96	29.44 1.25 -7.30	39.68 2.19 -0.33	34.36 1.65 0.00	34.63 1.62 0.00	38.23 1.88 0.00	39.21 2.02 0.00	39.81 2.10 0.00	42.11 2.08 -4.22	42.24 2.07 -5.76	278.16 15.40 0.00	546.63 24.51 -123.08	44.79 2.03 -4.71	48.60 1.23 -24.13	33.75 1.48 -5.28	37.03 1.74 -2.83	30.49 1.55 -0.75	21.71 0.92 -3.61
COOPERNY_115KV_TB1 80082	-39.63 0.37 45.85	25.41 1.16 1.93	25.94 1.08 0.33	25.78 1.06 0.00	26.27 1.04 0.00	26.16 1.07 0.46	18.40 1.01 6.77	5.25 1.06 16.71	38.37 1.96 0.75	34.51 1.80 0.00	35.09 2.08 0.00	38.64 2.29 0.00	39.50 2.31 0.00	40.11 2.40 0.00	38.10 2.28 0.00	35.89 2.29 0.80	279.96 17.19 0.00	446.27 25.99 -21.24	34.84 2.44 5.65	-3.75 1.41 28.40	18.64 1.62 9.96	28.53 1.84 5.77	28.21 1.57 1.54	9.88 0.97 8.26
COPENHAGEN_WT_PWR 323753	5.49 -0.36 0.00	25.54 -0.65 0.00	24.09 -0.91 0.18	11.02 -1.25 12.46	-11.12 -0.75 35.60	-11.45 -0.63 36.37	-10.06 -0.37 33.86	20.87 -0.03 0.00	37.20 0.04 0.00	32.82 0.11 0.00	32.82 -0.19 0.00	35.91 -0.48 -0.05	36.75 -0.45 0.00	37.46 -0.25 0.00	20.73 -0.66 14.43	-28.78 -0.81 62.36	248.17 -0.64 13.95	400.53 1.49 0.00	37.45 -0.60 0.00	22.59 -0.65 0.00	26.51 -0.51 -0.03	31.77 -0.76 -0.06	26.94 -1.25 0.00	-4.78 -1.00 20.96
CORNELL_____ 23752	10.12 -0.05 -4.32	29.35 0.43 -2.73	25.52 0.34 -0.01	25.01 0.28 0.00	25.55 0.31 0.00	25.95 0.40 0.00	24.63 0.46 0.00	21.48 0.58 0.00	38.27 1.10 0.00	33.81 1.10 0.00	34.04 1.03 0.00	37.31 0.94 -0.03	38.08 0.89 0.00	38.92 0.92 -0.29	37.16 0.96 -0.38	35.57 0.89 -0.28	270.78 7.99 -0.03	416.68 9.97 -7.67	39.24 1.19 0.00	24.24 0.99 0.00	28.21 1.20 -0.02	33.76 1.26 -0.04	29.12 0.93 0.00	17.73 0.55 0.00



CORONA__69_KV_TB1 355595	108.77 0.86 -102.05	43.24 2.72 -14.34	57.60 2.57 -29.85	54.63 2.49 -27.42	51.94 2.47 -24.24	41.48 2.55 -13.38	44.29 2.36 -17.77	68.37 2.30 -45.17	48.46 4.35 -6.95	55.63 3.97 -18.94	53.77 4.33 -16.42	54.25 4.79 -13.12	77.24 4.78 -35.27	124.65 4.94 -81.99	138.17 4.78 -97.58	104.77 4.73 -65.64	405.79 33.95 -109.09	721.39 53.06 -269.29	133.47 4.97 -90.44	189.93 2.68 -164.01	74.69 3.12 -44.58	48.75 3.67 -12.61	36.96 3.23 -5.54	55.68 2.06 -36.44
CORTLAND__115KV_TB3 80093	7.33 -0.04 -1.52	27.49 0.34 -0.96	25.43 0.26 0.01	24.61 0.22 0.33	24.79 0.25 0.70	25.04 0.32 0.83	23.28 0.37 1.26	21.39 0.49 0.00	38.09 0.93 0.00	33.59 0.88 0.00	33.82 0.81 0.00	37.12 0.75 -0.03	37.90 0.70 0.00	38.61 0.78 -0.12	36.93 0.74 -0.38	35.35 0.83 -0.12	269.42 6.64 -0.01	413.70 8.12 -6.53	38.92 0.86 0.00	23.95 0.71 0.00	27.87 0.87 -0.02	33.47 0.97 -0.04	28.90 0.71 0.00	17.02 0.41 0.57
COXSACKIE__GT 23611	17.40 0.56 -10.99	28.77 2.20 -0.38	27.29 2.11 0.00	26.86 2.13 0.00	27.40 2.17 0.00	27.75 2.21 0.00	26.29 2.12 0.00	22.75 1.85 0.00	40.29 3.12 0.00	34.72 2.01 0.00	34.98 1.96 0.00	38.35 2.01 0.00	39.24 2.04 0.00	39.98 2.27 0.00	32.69 2.33 5.45	29.74 2.32 6.97	282.44 19.68 0.00	505.06 39.66 -66.36	47.30 2.98 -6.27	57.39 1.83 -32.33	34.77 2.23 -5.55	37.97 2.71 -2.80	31.16 2.33 -0.64	18.65 1.48 0.00
CPV_VALLEY__CC1 323721	-65.94 0.46 72.26	24.51 1.37 3.04	25.95 1.28 0.51	25.98 1.25 0.00	26.46 1.22 0.00	26.09 1.26 0.72	14.77 1.19 10.58	-3.95 1.25 26.10	38.29 2.31 1.18	34.82 2.10 0.00	35.45 2.44 0.00	39.04 2.70 0.00	39.90 2.70 0.00	40.54 2.83 0.00	38.91 2.73 -0.37	36.94 2.75 0.20	283.09 20.33 0.00	455.54 30.93 -25.57	35.72 2.86 5.20	-0.97 1.62 25.83	17.70 1.85 11.13	27.95 2.09 6.60	28.02 1.81 1.98	5.41 1.15 12.91
CPV_VALLEY__CC2 323722	-65.94 0.46 72.26	24.51 1.37 3.04	25.95 1.28 0.51	25.98 1.25 0.00	26.46 1.22 0.00	26.09 1.26 0.72	14.77 1.19 10.58	-3.95 1.25 26.10	38.29 2.31 1.18	34.82 2.10 0.00	35.45 2.44 0.00	39.04 2.70 0.00	39.90 2.70 0.00	40.54 2.83 0.00	38.91 2.73 -0.37	36.94 2.75 0.20	283.09 20.33 0.00	455.54 30.93 -25.57	35.72 2.86 5.20	-0.97 1.62 25.83	17.70 1.85 11.13	27.95 2.09 6.60	28.02 1.81 1.98	5.41 1.15 12.91
CRESCENT__HYD 24018	25.55 0.40 -19.30	28.17 1.32 -0.67	26.59 1.26 -0.14	26.05 1.32 0.00	26.55 1.32 0.00	27.09 1.34 -0.20	28.42 1.30 -2.96	29.44 1.25 -7.30	39.68 2.19 -0.33	34.36 1.65 0.00	34.63 1.62 0.00	38.23 1.88 0.00	39.21 2.02 0.00	39.81 2.10 0.00	42.11 2.08 -4.22	42.24 2.07 -5.76	278.16 15.40 0.00	546.63 24.51 -123.08	44.79 2.03 -4.71	48.60 1.23 -24.13	33.75 1.48 -5.28	37.03 1.74 -2.83	30.49 1.55 -0.75	21.71 0.92 -3.61
CRICKET__VALLEY_CC1 323756	67.13 0.53 -60.74	30.17 1.51 -2.47	26.95 1.42 -0.35	26.15 1.42 0.00	26.66 1.42 0.00	27.50 1.46 -0.49	32.83 1.43 -7.24	40.24 1.48 -17.87	40.70 2.73 -0.81	35.08 2.37 0.00	35.62 2.61 0.00	39.31 2.97 0.00	40.27 3.07 0.00	40.93 3.22 0.00	39.74 3.15 -0.77	39.47 3.17 -1.91	285.91 23.14 0.00	469.50 35.38 -35.07	61.81 3.21 -20.55	131.50 1.83 -106.43	44.41 2.08 -15.34	42.14 2.38 -7.30	32.28 2.10 -1.99	27.30 1.29 -8.84
CRICKET__VALLEY_CC2 323757	67.13 0.53 -60.74	30.17 1.51 -2.47	26.95 1.42 -0.35	26.15 1.42 0.00	26.66 1.42 0.00	27.50 1.46 -0.49	32.83 1.43 -7.24	40.24 1.48 -17.87	40.70 2.73 -0.81	35.08 2.37 0.00	35.62 2.61 0.00	39.31 2.97 0.00	40.27 3.07 0.00	40.93 3.22 0.00	39.74 3.15 -0.77	39.47 3.17 -1.91	285.91 23.14 0.00	469.50 35.38 -35.07	61.81 3.21 -20.55	131.50 1.83 -106.43	44.41 2.08 -15.34	42.14 2.38 -7.30	32.28 2.10 -1.99	27.30 1.29 -8.84
CRICKET__VALLEY_CC3 323758	67.13 0.53 -60.74	30.17 1.51 -2.47	26.95 1.42 -0.35	26.15 1.42 0.00	26.66 1.42 0.00	27.50 1.46 -0.49	32.83 1.43 -7.24	40.24 1.48 -17.87	40.70 2.73 -0.81	35.08 2.37 0.00	35.62 2.61 0.00	39.31 2.97 0.00	40.27 3.07 0.00	40.93 3.22 0.00	39.74 3.15 -0.77	39.47 3.17 -1.91	285.91 23.14 0.00	469.50 35.38 -35.07	61.81 3.21 -20.55	131.50 1.83 -106.43	44.41 2.08 -15.34	42.14 2.38 -7.30	32.28 2.10 -1.99	27.30 1.29 -8.84
CRUCIBLE__METL_DRP 24180	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.95 0.24 0.00	33.24 0.23 0.00	36.62 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.84 0.28 -0.74	34.51 0.11 0.00	263.72 0.96 0.00	399.30 0.26 0.00	38.34 0.28 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.25 -0.07	28.30 0.11 0.00	16.61 0.08 0.64
DAHOWA__HYDRO 323763	24.21 0.51 -17.85	28.69 1.89 -0.62	27.00 1.68 -0.13	26.46 1.73 0.00	26.86 1.63 0.00	27.42 1.69 -0.19	28.67 1.74 -2.77	29.40 1.68 -6.83	40.41 2.94 -0.31	35.00 2.29 0.00	35.09 2.08 0.00	38.78 2.43 0.00	39.81 2.61 0.00	40.38 2.67 0.00	41.24 2.65 -2.78	40.86 2.67 -3.79	285.05 22.29 0.00	573.06 35.39 -138.63	44.94 2.51 -4.39	47.30 1.60 -22.46	33.80 1.90 -4.92	37.37 2.27 -2.64	30.81 1.92 -0.69	21.66 1.11 -3.38
DANC__LFGE 323619	5.57 -0.28 0.00	25.59 -0.59 0.00	24.28 -0.78 0.12	15.38 -0.99 8.36	0.71 -0.70 23.83	0.55 -0.63 24.36	0.93 -0.43 22.80	20.74 -0.16 0.00	36.96 -0.21 0.00	32.62 -0.09 0.00	32.72 -0.29 0.00	35.92 -0.48 -0.06	36.74 -0.45 0.00	37.40 -0.31 0.00	26.08 -0.53 9.20	-7.77 -0.69 41.47	251.51 -2.00 9.26	397.34 -1.70 0.00	37.52 -0.54 0.00	22.79 -0.45 0.00	26.63 -0.40 -0.04	31.92 -0.62 -0.08	27.25 -0.95 0.00	2.42 -0.71 14.05
DANSKAMMER__1 23586	19.17 0.58 -12.73	28.44 1.82 -0.44	26.87 1.69 0.00	26.38 1.65 0.00	26.86 1.63 0.00	27.22 1.68 0.00	25.78 1.61 0.00	22.57 1.67 0.00	40.27 3.10 0.00	35.52 2.81 0.00	36.19 3.18 0.00	39.91 3.57 0.00	40.83 3.63 0.00	41.48 3.77 0.00	39.98 3.77 -0.40	39.79 3.79 -1.61	291.28 28.52 0.00	474.24 43.54 -31.65	60.19 4.05 -18.09	119.26 2.28 -93.74	42.87 2.64 -13.24	41.82 3.10 -6.25	32.15 2.67 -1.28	18.80 1.62 0.00
DANSKAMMER__2 23589	19.17 0.58 -12.73	28.44 1.82 -0.44	26.87 1.69 0.00	26.38 1.65 0.00	26.86 1.63 0.00	27.22 1.68 0.00	25.78 1.61 0.00	22.57 1.67 0.00	40.27 3.10 0.00	35.52 2.81 0.00	36.19 3.18 0.00	39.91 3.57 0.00	40.83 3.63 0.00	41.48 3.77 0.00	39.98 3.77 -0.40	39.79 3.79 -1.61	291.28 28.52 0.00	474.24 43.54 -31.65	60.19 4.05 -18.09	119.26 2.28 -93.74	42.87 2.64 -13.24	41.82 3.10 -6.25	32.15 2.67 -1.28	18.80 1.62 0.00
DANSKAMMER__3 23590	19.17 0.58 -12.73	28.44 1.82 -0.44	26.87 1.69 0.00	26.38 1.65 0.00	26.86 1.63 0.00	27.22 1.68 0.00	25.78 1.61 0.00	22.57 1.67 0.00	40.27 3.10 0.00	35.52 2.81 0.00	36.19 3.18 0.00	39.91 3.57 0.00	40.83 3.63 0.00	41.48 3.77 0.00	39.98 3.77 -0.40	39.79 3.79 -1.61	291.28 28.52 0.00	474.24 43.54 -31.65	60.19 4.05 -18.09	119.26 2.28 -93.74	42.87 2.64 -13.24	41.82 3.10 -6.25	32.15 2.67 -1.28	18.80 1.62 0.00



DANSKAMMER___4 23591	19.17 0.58 -12.73	28.44 1.82 -0.44	26.87 1.69 0.00	26.38 1.65 0.00	26.86 1.63 0.00	27.22 1.68 0.00	25.78 1.61 0.00	22.57 1.67 0.00	40.27 3.10 0.00	35.52 2.81 0.00	36.19 3.18 0.00	39.91 3.57 0.00	40.83 3.63 0.00	41.48 3.77 0.00	39.98 3.77 -0.40	39.79 3.79 -1.61	291.28 28.52 0.00	474.24 43.54 -31.65	60.19 4.05 -18.09	119.26 2.28 -93.74	42.87 2.64 -13.24	41.82 3.10 -6.25	32.15 2.67 -1.28	18.80 1.62 0.00
DANSKAMMER___DIESEL 23592	19.17 0.59 -12.73	28.44 1.82 -0.44	26.88 1.69 0.00	26.38 1.65 0.00	26.86 1.63 0.00	27.22 1.68 0.00	25.78 1.61 0.00	22.57 1.67 0.00	40.27 3.11 0.00	35.53 2.82 0.00	36.19 3.18 0.00	39.92 3.57 0.00	40.83 3.63 0.00	41.48 3.77 0.00	39.98 3.77 -0.40	39.79 3.79 -1.61	291.27 28.51 0.00	474.24 43.54 -31.65	60.19 4.04 -18.09	119.26 2.28 -93.74	42.87 2.65 -13.24	41.82 3.10 -6.25	32.15 2.67 -1.28	18.80 1.62 0.00
DARBY___SOLAR 323810	24.40 0.47 -18.07	28.56 1.74 -0.63	26.89 1.57 -0.13	26.34 1.61 0.00	26.76 1.53 0.00	27.32 1.58 -0.19	28.56 1.60 -2.80	29.35 1.55 -6.90	40.17 2.70 -0.31	34.80 2.08 0.00	34.91 1.90 0.00	38.55 2.21 0.00	39.57 2.38 0.00	40.13 2.43 0.00	41.19 2.42 -2.96	40.88 2.44 -4.04	283.18 20.42 0.00	568.25 32.39 -136.82	44.82 2.33 -4.43	47.43 1.49 -22.71	33.73 1.78 -4.97	37.24 2.11 -2.66	30.69 1.80 -0.70	21.64 1.05 -3.41
DASHVILLE___HYD 23610	6.46 0.60 0.00	27.93 1.74 0.00	26.83 1.64 0.00	26.33 1.60 0.00	26.81 1.57 0.00	27.16 1.62 0.00	25.71 1.55 0.00	22.53 1.63 0.00	40.25 3.09 0.00	35.58 2.87 0.00	36.32 3.30 0.00	40.09 3.75 0.00	41.00 3.80 0.00	41.65 3.94 0.00	38.49 3.87 1.19	37.37 3.92 0.94	291.02 28.25 0.00	480.11 41.25 -39.81	52.70 4.02 -10.62	80.82 2.36 -55.21	36.24 2.61 -6.65	38.39 2.99 -2.93	31.27 2.55 -0.53	18.70 1.52 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	108.88 0.97 -102.05	43.43 2.90 -14.34	57.72 2.69 -29.85	54.78 2.63 -27.42	52.16 2.68 -24.24	41.60 2.67 -13.38	44.52 2.59 -17.77	68.71 2.64 -45.17	49.45 5.34 -6.95	73.98 5.29 -35.99	90.64 5.73 -51.90	89.22 6.30 -46.58	167.29 6.20 -123.89	255.55 6.47 -211.36	277.86 6.25 -235.79	239.01 5.98 -198.64	367.29 39.89 -64.63	604.29 65.69 -139.55	330.49 6.22 -286.21	223.61 3.07 -197.30	156.15 3.84 -125.33	63.11 4.35 -26.29	38.67 3.65 -6.82	57.82 2.35 -38.29
DELAWARE___LFGE 323621	6.05 0.20 0.00	27.10 0.91 0.00	26.07 0.88 0.00	25.62 0.89 0.00	26.13 0.90 0.00	26.50 0.95 0.00	25.10 0.93 0.00	21.81 0.91 0.00	38.79 1.64 0.00	34.23 1.52 0.00	34.65 1.64 0.00	38.10 1.75 -0.01	38.92 1.72 0.00	39.45 1.74 0.00	37.48 1.55 -0.12	35.94 1.54 0.00	274.80 12.04 0.00	442.49 17.24 -26.20	40.09 1.66 -0.38	26.30 1.06 -1.99	28.34 1.27 -0.08	33.96 1.48 -0.01	29.44 1.25 0.00	17.94 0.76 0.00
DERFIELD_115KV_TB7 355931	5.92 0.06 0.00	26.42 0.24 0.00	25.39 0.23 0.02	25.69 0.22 -0.74	28.16 0.23 -2.69	28.26 0.23 -2.49	25.59 0.24 -1.18	21.15 0.25 0.00	37.60 0.44 0.00	33.08 0.37 0.00	33.40 0.39 0.00	36.75 0.40 0.00	37.61 0.41 0.00	38.15 0.44 0.00	38.04 0.41 -1.83	42.97 0.45 -8.12	267.62 3.23 -1.63	403.67 4.63 0.00	38.46 0.40 0.00	23.48 0.24 0.00	27.26 0.27 0.00	32.79 0.33 0.00	28.47 0.28 0.00	18.58 0.18 -1.22
DOGLEVILLE___HYD 23807	6.09 0.23 0.00	27.28 1.09 0.00	26.19 1.02 0.02	26.48 1.01 -0.74	28.95 1.03 -2.69	29.15 1.12 -2.49	26.43 1.08 -1.18	21.86 0.97 0.00	38.71 1.55 0.00	33.84 1.13 0.00	33.95 0.94 0.00	37.38 1.04 0.00	38.32 1.12 0.00	39.01 1.30 0.00	39.07 1.43 -1.83	44.36 1.84 -8.12	281.25 16.86 -1.63	420.21 21.17 0.00	39.37 1.31 0.00	24.24 1.00 0.00	28.29 1.31 0.00	33.96 1.50 0.00	29.50 1.31 0.00	19.16 0.76 -1.22
DUNKIRK___115KV_TB_200 55889	4.24 -0.67 0.95	24.78 -0.80 0.60	24.07 -1.11 0.00	23.51 -1.22 0.00	23.97 -1.27 0.00	24.39 -1.16 0.00	23.05 -1.11 0.00	20.49 -0.40 0.00	36.70 -0.46 0.00	32.61 -0.10 0.00	32.67 -0.34 0.00	35.38 -0.97 0.00	35.55 -1.65 0.00	35.13 -1.74 0.85	33.98 -1.83 0.00	31.98 -1.61 0.81	254.21 -8.47 0.08	389.24 -14.94 -5.14	37.53 -0.53 0.00	23.53 0.29 0.00	27.52 0.53 0.00	32.71 0.25 0.00	28.01 -0.18 0.00	17.04 -0.14 0.00
DUNKIRK___1 23563	4.24 -0.67 0.95	24.78 -0.80 0.60	24.07 -1.11 0.00	23.51 -1.22 0.00	23.97 -1.27 0.00	24.39 -1.16 0.00	23.05 -1.11 0.00	20.49 -0.40 0.00	36.70 -0.46 0.00	32.61 -0.10 0.00	32.67 -0.34 0.00	35.38 -0.97 0.00	35.55 -1.65 0.00	35.13 -1.74 0.85	33.98 -1.83 0.00	31.98 -1.61 0.81	254.21 -8.47 0.08	389.24 -14.94 -5.14	37.53 -0.53 0.00	23.53 0.29 0.00	27.52 0.53 0.00	32.71 0.25 0.00	28.01 -0.18 0.00	17.04 -0.14 0.00
DUNKIRK___2 23564	4.24 -0.67 0.95	24.78 -0.80 0.60	24.07 -1.11 0.00	23.51 -1.22 0.00	23.97 -1.27 0.00	24.39 -1.16 0.00	23.05 -1.11 0.00	20.49 -0.40 0.00	36.70 -0.46 0.00	32.61 -0.10 0.00	32.67 -0.34 0.00	35.38 -0.97 0.00	35.55 -1.65 0.00	35.13 -1.74 0.85	33.98 -1.83 0.00	31.98 -1.61 0.81	254.21 -8.47 0.08	389.24 -14.94 -5.14	37.53 -0.53 0.00	23.53 0.29 0.00	27.52 0.53 0.00	32.71 0.25 0.00	28.01 -0.18 0.00	17.04 -0.14 0.00
DUNKIRK___3 23565	4.24 -0.68 0.93	24.67 -0.92 0.59	23.98 -1.20 0.00	23.46 -1.27 0.00	23.90 -1.33 0.00	24.33 -1.22 0.00	23.00 -1.16 0.00	20.40 -0.50 0.00	36.53 -0.63 0.00	32.47 -0.24 0.00	32.54 -0.47 0.00	35.23 -1.12 0.00	35.50 -1.70 0.00	34.99 -1.81 0.92	33.92 -1.89 0.00	31.72 -1.81 0.87	252.76 -9.92 0.09	386.91 -17.24 -5.11	37.33 -0.72 0.00	23.37 0.13 0.00	27.26 0.27 0.00	32.46 -0.01 0.00	27.84 -0.35 0.00	16.95 -0.23 0.00
DUNKIRK___4 23566	4.24 -0.68 0.93	24.67 -0.92 0.59	23.98 -1.20 0.00	23.46 -1.27 0.00	23.90 -1.33 0.00	24.33 -1.22 0.00	23.00 -1.16 0.00	20.40 -0.50 0.00	36.53 -0.63 0.00	32.47 -0.24 0.00	32.54 -0.47 0.00	35.23 -1.12 0.00	35.50 -1.70 0.00	34.99 -1.81 0.92	33.92 -1.89 0.00	31.72 -1.81 0.87	252.76 -9.92 0.09	386.91 -17.24 -5.11	37.33 -0.72 0.00	23.37 0.13 0.00	27.26 0.27 0.00	32.46 -0.01 0.00	27.84 -0.35 0.00	16.95 -0.23 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	106.78 0.68 -100.24	32.63 2.15 -4.29	28.05 2.02 -0.85	26.69 1.96 0.00	27.17 1.93 0.00	28.76 2.01 -1.20	43.64 1.89 -17.59	66.24 1.95 -43.39	42.75 3.64 -1.96	35.99 3.28 0.00	36.66 3.65 0.00	40.36 4.02 0.00	41.20 4.00 0.00	41.86 4.16 0.00	40.40 4.04 -0.55	40.81 4.03 -2.38	292.31 29.55 0.00	475.36 45.04 -31.27	69.09 4.20 -26.84	164.10 2.28 -138.58	52.33 2.61 -22.73	46.78 3.01 -11.29	33.97 2.67 -3.12	40.33 1.69 -21.46
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	-24.16 0.57 30.58	26.60 1.74 1.33	26.55 1.62 0.25	26.30 1.57 0.00	26.78 1.55 0.00	26.78 1.60 0.36	20.42 1.51 5.26	9.49 1.58 12.98	39.50 2.93 0.59	35.38 2.67 0.00	36.05 3.05 0.00	39.74 3.39 0.00	40.61 3.42 0.00	41.27 3.57 0.00	39.66 3.50 -0.34	39.71 3.52 -1.79	289.10 26.34 0.00	469.55 40.11 -30.40	58.19 3.72 -16.42	110.44 2.11 -85.09	41.27 2.44 -11.85	40.85 2.82 -5.56	31.28 2.41 -0.68	12.24 1.48 6.42



E179THST_138_KV_TB4_REV_LBMP_J 345001	106.95 0.81 -100.29	32.89 2.41 -4.29	28.28 2.25 -0.85	26.90 2.16 0.00	27.39 2.15 0.00	28.99 2.25 -1.20	43.89 2.12 -17.60	67.93 2.11 -44.92	42.96 3.84 -1.96	42.33 3.35 -6.26	39.61 3.76 -2.84	41.34 4.15 -0.85	41.42 4.22 0.00	42.20 4.48 0.00	40.67 4.31 -0.55	41.09 4.31 -2.38	293.39 30.62 0.00	477.42 47.10 -31.27	69.26 4.37 -26.84	164.10 2.24 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.11 2.79 -3.13	40.49 1.83 -21.48
E179THST_13_KV_LOAD 356214	107.00 0.86 -100.29	33.09 2.61 -4.29	28.46 2.43 -0.85	27.07 2.34 0.00	27.55 2.32 0.00	29.17 2.42 -1.20	44.05 2.28 -17.60	68.08 2.26 -44.92	43.26 4.13 -1.96	42.57 3.60 -6.26	39.87 4.02 -2.84	41.64 4.44 -0.85	41.73 4.53 0.00	42.50 4.79 0.00	40.98 4.62 -0.55	41.38 4.59 -2.38	295.72 32.95 0.00	480.95 50.63 -31.27	69.60 4.70 -26.84	164.30 2.44 -138.62	52.53 2.80 -22.74	47.04 3.26 -11.31	34.34 3.03 -3.13	40.63 1.97 -21.48
EAST HAMPTON___GT 23717	108.84 0.94 -102.05	43.26 2.73 -14.34	57.55 2.51 -29.85	54.64 2.49 -27.42	52.11 2.63 -24.24	41.43 2.50 -13.38	44.40 2.47 -17.77	68.70 2.64 -45.17	49.58 5.47 -6.95	74.35 5.65 -35.99	91.02 6.10 -51.91	89.60 6.67 -46.59	167.52 6.41 -123.91	255.76 6.65 -211.40	278.01 6.36 -235.83	239.08 6.00 -198.68	365.47 38.04 -64.67	601.05 62.43 -139.58	329.99 5.67 -286.27	223.24 2.65 -197.35	155.79 3.45 -125.35	62.73 3.97 -26.30	38.35 3.33 -6.82	57.67 2.20 -38.29
EAST RIVER___6 23660	106.92 0.76 -100.30	32.84 2.36 -4.29	28.25 2.21 -0.85	26.86 2.13 0.00	27.31 2.07 0.00	28.97 2.22 -1.20	43.89 2.12 -17.61	67.95 2.18 -44.88	43.12 4.00 -1.96	42.40 3.65 -6.04	39.78 4.04 -2.73	41.59 4.42 -0.82	41.59 4.39 0.00	42.27 4.56 0.00	40.78 4.43 -0.55	41.18 4.40 -2.38	294.30 31.54 0.00	477.97 47.65 -31.27	69.42 4.52 -26.85	164.22 2.35 -138.63	52.45 2.72 -22.74	46.92 3.15 -11.30	34.13 2.82 -3.12	40.46 1.79 -21.49
EAST RIVER___7 23524	106.92 0.76 -100.30	32.84 2.36 -4.29	28.25 2.21 -0.85	26.86 2.13 0.00	27.31 2.07 0.00	28.97 2.22 -1.20	43.89 2.12 -17.61	67.95 2.18 -44.88	43.12 4.00 -1.96	42.40 3.65 -6.04	39.78 4.04 -2.73	41.59 4.42 -0.82	41.59 4.39 0.00	42.27 4.56 0.00	40.78 4.43 -0.55	41.18 4.40 -2.38	294.30 31.54 0.00	477.97 47.65 -31.27	69.42 4.52 -26.85	164.22 2.35 -138.63	52.45 2.72 -22.74	46.92 3.15 -11.30	34.13 2.82 -3.12	40.46 1.79 -21.49
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	110.41 0.66 -103.90	32.74 2.06 -4.50	28.03 1.94 -0.91	26.61 1.88 0.00	27.09 1.85 0.00	28.75 1.92 -1.28	44.75 1.81 -18.79	69.11 1.87 -46.35	42.73 3.48 -2.09	35.85 3.14 0.00	36.53 3.52 0.00	40.22 3.88 0.00	41.07 3.87 0.00	41.75 4.04 0.00	40.27 3.91 -0.55	40.77 3.91 -2.47	291.50 28.73 0.00	473.98 43.74 -31.20	69.46 4.07 -27.34	166.60 2.22 -141.14	52.85 2.54 -23.32	47.01 2.93 -11.62	33.97 2.58 -3.20	41.73 1.62 -22.92
EAST_HAMPTON___DIESEL 23722	108.83 0.92 -102.05	43.18 2.65 -14.34	57.48 2.44 -29.85	54.57 2.43 -27.42	52.06 2.58 -24.24	41.36 2.44 -13.38	44.34 2.41 -17.77	68.66 2.59 -45.17	49.54 5.43 -6.95	74.36 5.66 -35.99	91.05 6.12 -51.91	89.61 6.68 -46.59	167.51 6.40 -123.91	255.75 6.64 -211.40	277.99 6.34 -235.83	239.05 5.97 -198.68	365.07 37.64 -64.67	600.44 61.82 -139.58	329.89 5.57 -286.27	223.18 2.59 -197.35	155.71 3.37 -125.35	62.64 3.87 -26.30	38.26 3.25 -6.82	57.62 2.15 -38.29
EAST_POINT___SOLAR 323840	19.02 0.47 -12.70	28.55 1.92 -0.44	26.96 1.78 0.00	26.47 1.74 0.00	27.03 1.79 0.00	27.43 1.88 0.00	25.96 1.80 0.00	22.44 1.55 0.00	39.19 2.03 0.00	33.98 1.27 0.00	34.10 1.08 0.00	37.36 1.01 0.00	38.45 1.25 0.00	39.32 1.61 0.00	38.68 1.65 -1.22	38.18 2.12 -1.66	285.96 23.19 0.00	562.51 30.70 -132.77	40.20 2.15 0.00	25.00 1.76 0.00	29.38 2.39 0.00	35.38 2.92 0.00	30.67 2.32 -0.16	18.52 1.34 0.00
EAST_PULASKI___ESR 323781	5.63 -0.22 0.00	25.67 -0.51 0.00	24.50 -0.62 0.07	19.76 -0.72 4.25	12.60 -0.61 12.03	12.63 -0.58 12.34	12.00 -0.45 11.71	20.66 -0.24 0.00	36.76 -0.40 0.00	32.46 -0.25 0.00	32.67 -0.34 0.00	35.97 -0.46 -0.09	36.76 -0.43 0.00	37.37 -0.35 0.00	31.67 -0.36 3.78	13.31 -0.52 20.56	255.54 -2.67 4.56	394.84 -4.20 0.00	37.65 -0.40 0.00	23.01 -0.23 0.00	26.79 -0.25 -0.06	32.16 -0.42 -0.11	27.59 -0.60 0.00	9.65 -0.40 7.12
EAST_RIVER___1 323558	106.90 0.74 -100.30	32.84 2.36 -4.29	28.25 2.21 -0.85	26.88 2.15 0.00	27.35 2.11 0.00	28.96 2.21 -1.20	43.85 2.08 -17.61	67.93 2.15 -44.88	43.09 3.97 -1.96	42.36 3.61 -6.04	39.72 3.98 -2.73	41.53 4.36 -0.82	41.51 4.32 0.00	42.18 4.47 0.00	40.70 4.35 -0.55	41.11 4.33 -2.38	294.20 31.43 0.00	478.10 47.78 -31.27	69.37 4.47 -26.85	164.24 2.37 -138.63	52.43 2.71 -22.74	46.91 3.14 -11.30	34.13 2.82 -3.12	40.47 1.80 -21.49
EAST_RIVER___2 323559	106.92 0.76 -100.30	32.84 2.36 -4.29	28.25 2.21 -0.85	26.86 2.13 0.00	27.31 2.07 0.00	28.97 2.22 -1.20	43.89 2.12 -17.61	67.95 2.18 -44.88	43.12 4.00 -1.96	42.40 3.65 -6.04	39.78 4.04 -2.73	41.59 4.42 -0.82	41.59 4.39 0.00	42.27 4.56 0.00	40.78 4.43 -0.55	41.18 4.40 -2.38	294.30 31.54 0.00	477.97 47.65 -31.27	69.42 4.52 -26.85	164.22 2.35 -138.63	52.45 2.72 -22.74	46.92 3.15 -11.30	34.13 2.82 -3.12	40.46 1.79 -21.49
EAST___DELAWARE_HYD 23607	-18.45 0.40 24.70	26.17 1.02 1.04	25.92 0.91 0.18	25.60 0.87 0.00	26.07 0.84 0.00	26.17 0.87 0.25	21.34 0.84 3.66	12.95 1.09 9.03	39.55 2.80 0.41	35.28 2.57 0.00	35.93 2.92 0.00	39.61 3.26 0.00	40.38 3.18 0.00	40.08 2.37 0.00	37.49 1.67 0.00	36.18 1.78 0.00	276.76 14.00 0.00	450.70 22.02 -29.63	45.73 1.97 -5.70	54.34 1.10 -30.00	29.49 1.33 -1.17	34.65 2.19 0.00	29.72 1.80 0.27	13.75 1.03 4.47
EIGHT_POINT___WT_PWR 323820	2.69 -1.01 2.15	23.58 -1.24 1.36	23.76 -1.42 0.00	23.27 -1.46 0.00	23.87 -1.36 0.00	24.06 -1.49 0.00	22.88 -1.28 0.00	20.17 -0.72 0.00	36.67 -0.49 0.00	32.86 0.15 0.00	32.79 -0.22 0.00	34.95 -1.41 -0.01	34.67 -2.53 0.00	38.11 -2.65 -3.05	33.56 -2.40 -0.15	34.83 -2.56 -2.99	245.78 -17.30 -0.31	380.56 -24.80 -6.32	37.18 -0.87 0.00	23.70 0.46 0.00	27.69 0.69 -0.01	32.91 0.43 -0.01	28.31 0.12 0.00	17.09 -0.08 0.00
ELBRIDGE_115KV_TB2 80188	5.71 -0.14 0.00	25.92 -0.27 0.00	24.83 -0.34 0.02	24.04 -0.36 0.33	24.15 -0.40 0.68	24.40 -0.33 0.81	22.67 -0.26 1.24	20.82 -0.07 0.00	37.03 -0.13 0.00	32.76 0.05 0.00	33.01 0.00 0.00	36.36 -0.05 -0.06	37.16 -0.04 0.00	37.63 -0.08 0.00	36.55 -0.05 -0.79	34.22 -0.18 0.00	261.72 -1.04 0.00	396.12 -2.93 0.00	38.05 0.00 0.00	23.40 0.16 0.00	27.15 0.12 -0.04	32.58 0.05 -0.07	28.16 -0.03 0.00	16.59 -0.01 0.57
ELEC_TRO_TEK 24086	108.71 0.81 -102.05	42.99 2.46 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.27 2.34 -13.38	44.12 2.19 -17.77	68.21 2.14 -45.17	48.19 4.09 -6.95	55.38 3.72 -18.94	53.54 4.10 -16.42	53.99 4.53 -13.12	77.45 4.53 -35.73	129.57 4.72 -87.14	143.99 4.57 -103.60	110.09 4.51 -71.19	415.62 32.32 -120.53	741.51 50.47 -292.00	139.63 4.71 -96.86	192.27 2.52 -166.52	76.12 2.96 -46.17	48.49 3.41 -12.61	36.71 2.99 -5.54	55.54 1.91 -36.44



ELLENBURG_WT_PWR 323604	5.76 -0.09 0.00	25.89 -0.30 0.00	24.89 -0.29 0.00	23.05 -0.31 1.37	20.69 -0.18 4.37	20.88 -0.40 4.27	20.58 -0.47 3.12	20.27 -0.63 0.00	36.07 -1.09 0.00	31.72 -0.99 0.00	31.62 -1.39 0.00	34.83 -1.51 0.00	35.69 -1.51 0.00	36.18 -1.53 0.00	32.01 -1.43 2.37	3.78 -1.48 29.13	250.17 -10.39 2.20	383.39 -15.66 0.00	36.41 -1.65 0.00	22.25 -0.99 0.00	25.95 -1.04 0.00	31.47 -0.99 0.00	27.58 -0.62 0.00	14.26 -0.68 2.24
ELM_ST_23_KV_LD_REV_LBMP_A 345012	4.27 -0.72 0.86	24.42 -1.22 0.55	23.76 -1.42 0.00	23.31 -1.42 0.00	23.68 -1.56 0.00	24.14 -1.41 0.00	22.80 -1.37 0.00	20.16 -0.74 0.00	35.97 -1.19 0.00	31.94 -0.77 0.00	32.00 -1.01 0.00	34.59 -1.76 0.00	35.04 -2.16 0.00	34.36 -2.36 0.99	33.42 -2.39 0.00	30.86 -2.60 0.94	246.75 -15.91 0.10	378.83 -25.02 -4.81	36.69 -1.36 0.00	22.91 -0.33 0.00	26.57 -0.41 0.00	31.79 -0.68 0.00	27.36 -0.83 0.00	16.70 -0.48 0.00
EMPIRE_CC_1 323656	35.08 0.37 -28.85	28.30 0.91 -1.19	26.32 0.95 -0.18	25.77 1.04 0.00	26.28 1.05 0.00	26.84 1.04 -0.26	28.91 0.94 -3.81	31.22 0.93 -9.40	39.20 1.62 -0.42	33.84 1.13 0.00	34.20 1.19 0.00	37.71 1.37 0.00	38.66 1.47 0.00	39.29 1.58 0.00	40.68 1.53 -3.34	40.98 1.55 -5.04	273.16 10.40 0.00	471.48 16.91 -55.52	46.90 1.49 -7.36	61.94 0.83 -37.86	35.11 1.01 -7.11	37.33 1.20 -3.67	30.32 1.15 -0.98	22.57 0.75 -4.65
EMPIRE_CC_2 323658	35.08 0.37 -28.85	28.30 0.91 -1.19	26.32 0.95 -0.18	25.77 1.04 0.00	26.28 1.05 0.00	26.84 1.04 -0.26	28.91 0.94 -3.81	31.22 0.93 -9.40	39.20 1.62 -0.42	33.84 1.13 0.00	34.20 1.19 0.00	37.71 1.37 0.00	38.66 1.47 0.00	39.29 1.58 0.00	40.68 1.53 -3.34	40.98 1.55 -5.04	273.16 10.40 0.00	471.48 16.91 -55.52	46.90 1.49 -7.36	61.94 0.83 -37.86	35.11 1.01 -7.11	37.33 1.20 -3.67	30.32 1.15 -0.98	22.57 0.75 -4.65
ENORWICH_115KV_TB1 80156	7.15 -0.18 -1.47	28.48 1.36 -0.93	26.42 1.24 0.00	25.86 1.13 0.00	26.60 1.36 0.00	27.35 1.80 0.00	26.03 1.86 0.00	22.65 1.76 0.00	40.25 3.09 0.00	35.45 2.74 0.00	35.59 2.58 0.00	38.82 2.45 -0.02	39.31 2.12 0.00	39.72 1.87 -0.14	37.98 1.88 -0.29	36.43 1.90 -0.13	280.96 18.18 -0.01	439.10 26.34 -13.72	40.28 2.23 0.00	25.15 1.91 0.00	29.73 2.73 -0.01	35.79 3.30 -0.03	30.78 2.59 0.00	18.69 1.51 0.00
ERIE_ST_34_KV_TB1-2 80199	4.28 -0.66 0.91	24.68 -0.93 0.57	24.02 -1.16 0.00	23.54 -1.19 0.00	23.93 -1.30 0.00	24.40 -1.14 0.00	23.07 -1.09 0.00	20.40 -0.50 0.00	36.50 -0.66 0.00	32.47 -0.24 0.00	32.59 -0.42 0.00	35.28 -1.06 0.00	35.80 -1.40 0.00	35.41 -1.49 0.81	34.20 -1.61 0.00	31.80 -1.82 0.78	253.04 -9.64 0.07	388.09 -15.97 -5.02	37.52 -0.53 0.00	23.39 0.15 0.00	27.17 0.18 0.00	32.41 -0.05 0.00	27.84 -0.35 0.00	16.96 -0.21 0.00
ERIE_WT_PWR 323693	4.24 -0.71 0.90	24.55 -1.07 0.57	23.90 -1.28 0.00	23.44 -1.29 0.00	23.81 -1.43 0.00	24.27 -1.27 0.00	22.93 -1.23 0.00	20.30 -0.60 0.00	36.27 -0.89 0.00	32.22 -0.50 0.00	32.25 -0.76 0.00	34.89 -1.45 0.00	35.29 -1.91 0.00	34.72 -2.07 0.91	33.68 -2.13 0.00	31.19 -2.32 0.89	248.66 -14.01 0.09	382.05 -21.94 -4.95	37.06 -1.00 0.00	23.15 -0.09 0.00	26.87 -0.12 0.00	32.10 -0.36 0.00	27.63 -0.57 0.00	16.83 -0.34 0.00
ESPRGFLD_115KV_TB1 80157	6.12 0.27 0.00	27.40 1.22 0.00	26.30 1.12 0.00	25.80 1.08 0.00	26.34 1.11 0.00	26.77 1.22 0.00	25.41 1.24 0.00	22.09 1.19 0.00	39.18 2.02 0.00	34.61 1.90 0.00	34.89 1.88 0.00	38.23 1.89 0.00	39.06 1.86 0.00	39.60 1.89 0.00	38.35 1.66 -0.88	37.32 1.73 -1.20	278.28 15.51 0.00	517.58 20.49 -98.06	40.14 2.09 0.00	24.67 1.43 0.00	28.76 1.77 0.00	34.60 2.14 0.00	29.86 1.67 0.00	18.13 0.95 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	9.28 -0.05 -3.48	28.79 0.40 -2.20	25.50 0.31 -0.01	24.99 0.26 0.00	25.52 0.29 0.00	25.93 0.38 0.00	24.60 0.44 0.00	21.45 0.56 0.00	38.20 1.04 0.00	33.75 1.04 0.00	33.99 0.98 0.00	37.26 0.89 -0.03	38.03 0.84 0.00	38.81 0.86 -0.24	37.10 0.89 -0.40	35.48 0.84 -0.24	270.30 7.51 -0.02	416.09 9.37 -7.67	39.16 1.10 0.00	24.18 0.93 0.00	28.14 1.14 -0.02	33.68 1.18 -0.04	29.06 0.87 0.00	17.70 0.52 0.00
ETNA____115KV_TB2 80207	9.28 -0.05 -3.48	28.79 0.40 -2.20	25.50 0.31 -0.01	24.99 0.26 0.00	25.52 0.29 0.00	25.93 0.38 0.00	24.60 0.44 0.00	21.45 0.56 0.00	38.20 1.04 0.00	33.75 1.04 0.00	33.99 0.98 0.00	37.26 0.89 -0.03	38.03 0.84 0.00	38.81 0.86 -0.24	37.10 0.89 -0.40	35.48 0.84 -0.24	270.30 7.51 -0.02	416.09 9.37 -7.67	39.16 1.10 0.00	24.18 0.93 0.00	28.14 1.14 -0.02	33.68 1.18 -0.04	29.06 0.87 0.00	17.70 0.52 0.00
EUCLID____115KV_TB2 356179	5.69 -0.16 0.00	25.77 -0.42 0.00	24.68 -0.47 0.02	23.81 -0.50 0.42	23.85 -0.50 0.89	24.03 -0.47 1.05	22.15 -0.41 1.60	20.68 -0.22 0.00	36.82 -0.34 0.00	32.53 -0.18 0.00	32.83 -0.18 0.00	36.09 -0.28 -0.03	36.93 -0.26 0.00	37.47 -0.24 0.00	35.92 -0.23 -0.34	34.06 -0.34 0.00	260.42 -2.34 0.00	394.56 -4.48 0.00	37.84 -0.22 0.00	23.21 -0.03 0.00	26.92 -0.09 -0.02	32.31 -0.19 -0.03	27.93 -0.26 0.00	16.30 -0.14 0.74
E_CANADA_CAP_HY 24051	17.42 0.40 -11.17	28.13 1.56 -0.39	26.62 1.43 0.00	26.13 1.40 0.00	26.68 1.45 0.00	27.05 1.50 0.00	25.66 1.50 0.00	22.25 1.36 0.00	39.26 2.10 0.00	34.51 1.80 0.00	34.55 1.54 0.00	37.85 1.50 0.00	38.78 1.58 0.00	39.39 1.68 0.00	38.50 1.55 -1.14	37.74 1.80 -1.55	280.69 17.93 0.00	546.24 22.83 -124.37	40.13 2.07 0.00	24.70 1.46 0.00	28.84 1.85 0.00	34.79 2.33 0.00	30.16 1.83 -0.14	18.22 1.05 0.00
E_CANADA_MHWK_HY 24050	6.09 0.23 0.00	27.28 1.09 0.00	26.19 1.02 0.02	26.48 1.01 -0.74	28.95 1.03 -2.69	29.15 1.12 -2.49	26.43 1.08 -1.18	21.86 0.97 0.00	38.71 1.55 0.00	33.84 1.13 0.00	33.95 0.94 0.00	37.38 1.04 0.00	38.32 1.12 0.00	39.01 1.30 0.00	39.07 1.43 -1.83	44.36 1.84 -8.12	281.25 16.86 -1.63	420.21 21.17 0.00	39.37 1.31 0.00	24.24 1.00 0.00	28.29 1.31 0.00	33.96 1.50 0.00	29.50 1.31 0.00	19.16 0.76 -1.22
E_FISHKILL____LBMP 23776	75.87 0.57 -69.45	30.62 1.73 -2.70	27.11 1.63 -0.30	26.33 1.61 0.00	26.82 1.58 0.00	27.60 1.64 -0.42	31.84 1.55 -6.13	37.62 1.60 -15.12	40.80 2.96 -0.68	35.35 2.63 0.00	35.97 2.95 0.00	39.62 3.28 0.00	40.49 3.29 0.00	41.14 3.43 0.00	39.72 3.34 -0.57	39.30 3.34 -1.56	287.23 24.46 0.00	468.31 37.25 -32.01	63.58 3.45 -22.07	139.38 1.92 -114.22	46.28 2.20 -17.09	43.23 2.52 -8.24	32.71 2.24 -2.28	26.06 1.40 -7.48
FALCON____SEABRD_CC1 323796	5.81 -0.05 0.00	26.21 0.02 0.00	25.21 0.02 0.00	23.30 -0.01 1.42	20.86 0.13 4.50	21.09 -0.06 4.39	20.82 -0.13 3.21	20.53 -0.37 0.00	36.51 -0.65 0.00	31.91 -0.80 0.00	31.63 -1.38 0.00	34.66 -1.68 0.00	35.43 -1.77 0.00	35.91 -1.80 0.00	31.69 -1.68 2.44	3.27 -1.76 29.37	248.29 -12.20 2.27	380.63 -18.42 0.00	36.06 -1.99 0.00	22.09 -1.15 0.00	25.78 -1.20 0.00	31.42 -1.05 0.00	27.87 -0.32 0.00	13.96 -0.47 2.75



FALCON___SEABRD_CC2 323797	5.81 -0.05 0.00	26.21 0.02 0.00	25.21 0.02 0.00	23.30 -0.01 1.42	20.86 0.13 4.50	21.09 -0.06 4.39	20.82 -0.13 3.21	20.53 -0.37 0.00	36.51 -0.65 0.00	31.91 -0.80 0.00	31.63 -1.38 0.00	34.66 -1.68 0.00	35.43 -1.77 0.00	35.91 -1.80 0.00	31.69 -1.68 2.44	3.27 -1.76 29.37	248.29 -12.20 2.27	380.63 -18.42 0.00	36.06 -1.99 0.00	22.09 -1.15 0.00	25.78 -1.20 0.00	31.42 -1.05 0.00	27.87 -0.32 0.00	13.96 -0.47 2.75
FAR ROCKAWAY___4 23548	108.79 0.88 -102.05	43.49 2.96 -14.34	57.84 2.81 -29.85	54.86 2.72 -27.42	52.18 2.70 -24.24	41.72 2.79 -13.38	44.53 2.60 -17.77	68.59 2.53 -45.17	48.89 4.78 -6.95	55.98 4.32 -18.94	54.03 4.59 -16.42	54.52 5.06 -13.12	76.75 4.98 -34.57	116.85 4.99 -74.15	129.04 4.84 -88.39	96.35 4.78 -57.18	388.78 34.39 -91.63	687.49 53.80 -234.65	123.73 5.03 -80.64	186.12 2.69 -160.20	72.27 3.13 -42.15	48.94 3.86 -12.61	37.12 3.39 -5.54	55.77 2.15 -36.44
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	106.90 0.74 -100.30	32.85 2.38 -4.29	28.26 2.23 -0.85	26.89 2.16 0.00	27.37 2.13 0.00	28.97 2.22 -1.20	43.87 2.10 -17.61	67.94 2.16 -44.89	43.10 3.98 -1.96	42.41 3.62 -6.08	39.76 4.00 -2.75	41.54 4.37 -0.82	41.52 4.32 0.00	42.19 4.48 0.00	40.71 4.36 -0.55	41.11 4.33 -2.38	294.25 31.48 0.00	478.27 47.95 -31.27	69.40 4.50 -26.85	164.25 2.38 -138.62	52.44 2.72 -22.74	46.91 3.14 -11.30	34.15 2.84 -3.12	40.48 1.81 -21.49
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	106.91 0.75 -100.30	32.89 2.41 -4.29	28.29 2.26 -0.85	26.92 2.19 0.00	27.39 2.16 0.00	29.00 2.25 -1.20	43.90 2.12 -17.61	67.96 2.17 -44.89	43.13 4.01 -1.96	42.43 3.65 -6.08	39.79 4.02 -2.75	41.58 4.41 -0.82	41.56 4.36 0.00	42.23 4.52 0.00	40.75 4.39 -0.55	41.15 4.37 -2.38	294.54 31.78 0.00	478.67 48.35 -31.27	69.44 4.55 -26.85	164.28 2.41 -138.62	52.48 2.75 -22.74	46.96 3.19 -11.30	34.18 2.88 -3.12	40.50 1.83 -21.49
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	106.89 0.74 -100.30	32.83 2.35 -4.29	28.24 2.21 -0.85	26.88 2.15 0.00	27.34 2.11 0.00	28.96 2.21 -1.20	43.85 2.08 -17.61	67.92 2.14 -44.89	43.07 3.95 -1.96	42.38 3.59 -6.08	39.72 3.96 -2.75	41.50 4.34 -0.82	41.48 4.28 0.00	42.14 4.43 0.00	40.67 4.31 -0.55	41.07 4.30 -2.38	293.98 31.22 0.00	477.77 47.45 -31.27	69.35 4.45 -26.85	164.22 2.35 -138.62	52.41 2.69 -22.74	46.88 3.11 -11.30	34.12 2.81 -3.12	40.46 1.79 -21.49
FARRAGUT___LBMP 323566	106.89 0.74 -100.30	32.81 2.34 -4.29	28.23 2.19 -0.85	26.85 2.12 0.00	27.33 2.09 0.00	28.93 2.18 -1.20	43.83 2.06 -17.61	67.90 2.12 -44.89	43.03 3.91 -1.96	42.34 3.55 -6.08	39.69 3.92 -2.75	41.47 4.30 -0.82	41.44 4.24 0.00	42.10 4.39 0.00	40.63 4.28 -0.55	41.04 4.26 -2.38	293.65 30.89 0.00	477.37 47.05 -31.27	69.31 4.41 -26.85	164.19 2.33 -138.62	52.39 2.67 -22.74	46.84 3.08 -11.30	34.09 2.78 -3.12	40.45 1.78 -21.49
FENNER___WINDPWR 24204	6.71 0.01 -0.85	27.16 0.44 -0.54	25.55 0.39 0.03	25.72 0.35 -0.64	28.37 0.43 -2.70	28.45 0.53 -2.38	25.29 0.57 -0.56	21.50 0.60 0.00	38.27 1.11 0.00	33.71 1.00 0.00	33.82 0.81 0.00	37.08 0.71 -0.02	37.91 0.71 0.00	38.51 0.80 0.00	39.04 0.79 -2.45	43.67 0.93 -8.34	270.81 5.79 -2.25	406.32 7.28 0.00	38.57 0.52 0.00	23.65 0.41 0.00	27.60 0.60 -0.02	33.37 0.88 -0.03	28.82 0.63 0.00	18.83 0.36 -1.29
FIBERTEK___ENERGY 23856	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.95 0.24 0.00	33.24 0.23 0.00	36.62 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.84 0.28 -0.74	34.51 0.11 0.00	263.72 0.96 0.00	399.30 0.26 0.00	38.34 0.28 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.25 -0.07	28.30 0.11 0.00	16.61 0.08 0.64
FITZPATRICK____ 23598	5.61 -0.24 0.00	25.36 -0.83 0.00	24.33 -0.85 0.00	23.86 -0.87 0.00	24.35 -0.89 0.00	24.68 -0.86 0.00	23.37 -0.79 0.00	20.30 -0.59 0.00	36.13 -1.03 0.00	31.87 -0.84 0.00	32.15 -0.87 0.00	35.03 -1.01 0.31	36.18 -1.02 0.00	36.66 -1.05 0.00	30.71 -0.99 4.11	33.37 -1.02 0.00	255.18 -7.58 0.00	386.83 -12.22 0.00	37.07 -0.98 0.00	22.73 -0.51 0.00	26.13 -0.65 0.20	31.26 -0.83 0.37	27.41 -0.78 0.00	16.74 -0.44 0.00
FLOWRFLD_69_KV_BK1 356044	108.91 1.00 -102.05	43.45 2.92 -14.34	57.76 2.73 -29.85	54.78 2.63 -27.42	51.99 2.51 -24.24	41.52 2.60 -13.38	44.39 2.46 -17.77	68.47 2.40 -45.17	48.74 4.63 -6.95	75.80 4.34 -38.75	101.55 4.66 -63.88	99.21 5.00 -57.87	197.08 5.00 -154.89	310.27 5.18 -267.39	337.76 5.03 -296.92	296.20 4.95 -256.85	386.01 34.10 -89.15	607.85 55.28 -153.52	410.97 5.20 -367.72	267.43 2.70 -241.49	186.79 3.39 -156.41	67.25 3.87 -30.91	38.73 3.32 -7.23	57.99 2.23 -38.59
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	27.05 0.61 -20.59	28.82 1.93 -0.71	26.97 1.79 0.00	26.48 1.75 0.00	26.96 1.73 0.00	27.33 1.78 0.00	25.87 1.71 0.00	22.66 1.76 0.00	40.44 3.28 0.00	35.68 2.97 0.00	36.35 3.34 0.00	40.09 3.74 0.00	41.01 3.81 0.00	41.69 3.98 0.00	40.19 3.95 -0.43	39.96 3.97 -1.60	292.65 29.89 0.00	476.50 45.68 -31.77	60.94 4.24 -18.64	122.21 2.40 -96.57	43.51 2.77 -13.76	42.22 3.23 -6.51	32.40 2.78 -1.43	18.87 1.69 0.00
FORT ORANGE____ 23900	24.03 0.30 -17.88	27.78 0.98 -0.62	26.31 0.99 -0.14	25.76 1.03 0.00	26.28 1.05 0.00	26.77 1.03 -0.19	27.92 0.93 -2.82	28.70 0.84 -6.97	38.75 1.27 -0.31	33.53 0.82 0.00	33.89 0.88 0.00	37.27 0.93 0.00	38.20 1.00 0.00	38.83 1.12 0.00	27.03 1.16 9.94	22.01 1.20 13.58	271.20 8.43 0.00	499.05 14.79 -85.21	43.95 1.23 -4.66	47.81 0.68 -23.89	33.00 0.78 -5.23	36.19 0.92 -2.80	29.85 0.93 -0.73	21.28 0.66 -3.45
FORT_DRUM_COGEN 23780	5.57 -0.28 0.00	25.66 -0.53 0.00	24.22 -0.76 0.20	9.60 -1.05 14.08	-15.61 -0.61 40.24	-16.04 -0.50 41.09	-14.34 -0.30 38.21	20.90 0.00 0.00	37.26 0.10 0.00	32.89 0.18 0.00	32.86 -0.15 0.00	35.95 -0.44 -0.04	36.81 -0.38 0.00	37.60 -0.11 0.00	18.97 -0.35 16.49	-36.68 -0.49 70.59	246.91 -0.05 15.80	401.68 2.64 0.00	37.59 -0.46 0.00	22.76 -0.48 0.00	26.71 -0.31 -0.03	32.03 -0.49 -0.06	27.20 -0.99 0.00	-7.34 -0.83 23.68
FOX_HILLS___ESR 323835	107.01 0.83 -100.33	40.34 2.44 -11.71	28.30 2.26 -0.85	26.92 2.19 0.00	27.40 2.16 0.00	29.02 2.27 -1.20	43.94 2.17 -17.60	68.07 2.26 -44.92	43.29 4.14 -1.99	42.63 3.65 -6.26	46.53 3.98 -9.54	51.18 4.30 -10.54	66.08 4.29 -24.60	83.96 4.53 -41.73	80.07 4.40 -39.86	116.66 4.40 -77.86	294.02 31.26 0.00	478.46 48.14 -31.27	85.84 4.46 -43.34	133.86 2.23 -108.39	76.20 2.56 -46.64	76.35 2.98 -40.91	44.80 2.80 -13.81	62.40 1.84 -43.39
FPL FAR_ROCK_GT1 24212	108.79 0.88 -102.05	43.49 2.96 -14.34	57.84 2.81 -29.85	54.86 2.72 -27.42	52.19 2.71 -24.24	41.72 2.79 -13.38	44.53 2.60 -17.77	68.59 2.53 -45.17	48.89 4.78 -6.95	55.98 4.32 -18.94	54.03 4.59 -16.42	54.52 5.05 -13.12	76.75 4.98 -34.57	116.86 5.00 -74.15	129.04 4.84 -88.39	96.35 4.78 -57.18	388.81 34.41 -91.63	687.50 53.81 -234.65	123.72 5.02 -80.65	186.13 2.69 -160.20	72.27 3.13 -42.15	48.94 3.86 -12.62	37.12 3.39 -5.54	55.78 2.15 -36.45



FPL FAR_ROCK_GT2 23815	108.79 0.88 -102.05	43.49 2.96 -14.34	57.84 2.81 -29.85	54.86 2.72 -27.42	52.19 2.71 -24.24	41.72 2.79 -13.38	44.53 2.60 -17.77	68.59 2.53 -45.17	48.89 4.78 -6.95	55.98 4.32 -18.94	54.03 4.59 -16.42	54.52 5.05 -13.12	76.75 4.98 -34.57	116.86 5.00 -74.15	129.04 4.84 -88.39	96.35 4.78 -57.18	388.81 53.81 -91.63	687.50 53.81 -234.65	123.72 5.02 -80.65	186.13 2.69 -160.20	72.27 3.13 -42.15	48.94 3.86 -12.62	37.12 3.39 -5.54	55.78 2.15 -36.45
FRANKLIN_FALL_HYD 24054	5.74 -0.11 0.00	25.81 -0.37 0.00	24.55 -0.40 0.24	16.76 -0.43 7.54	6.42 -0.30 18.51	4.83 -0.48 20.25	-0.93 -0.51 24.59	20.27 -0.62 0.00	36.06 -1.10 0.00	31.75 -0.96 0.00	31.70 -1.30 0.00	35.03 -1.31 0.00	35.83 -1.37 0.00	36.34 -1.37 0.00	30.24 -1.20 4.37	-2.47 -1.26 35.62	250.05 -8.66 4.05	386.66 -12.39 0.00	36.70 -1.35 0.00	22.40 -0.85 0.00	26.15 -0.84 0.00	31.68 -0.78 0.00	27.60 -0.60 0.00	3.98 -0.65 12.55
FREEPORT_EQUS_GT1 23764	108.78 0.88 -102.05	43.15 2.62 -14.34	57.59 2.55 -29.85	54.62 2.48 -27.42	51.93 2.45 -24.24	41.46 2.53 -13.38	44.29 2.36 -17.77	68.38 2.31 -45.17	48.49 4.38 -6.95	55.70 4.04 -18.94	53.75 4.32 -16.42	54.14 4.68 -13.12	77.03 4.70 -35.14	122.81 4.89 -80.20	136.04 4.75 -95.48	102.80 4.70 -63.70	401.56 33.71 -105.09	713.52 53.11 -261.37	131.22 4.97 -88.20	189.04 2.66 -163.14	74.14 3.12 -44.03	48.75 3.67 -12.62	36.95 3.23 -5.54	55.71 2.08 -36.45
FREEPORT___CT2 23818	108.78 0.88 -102.05	43.15 2.62 -14.34	57.59 2.55 -29.85	54.62 2.48 -27.42	51.93 2.45 -24.24	41.46 2.53 -13.38	44.29 2.36 -17.77	68.38 2.31 -45.17	48.49 4.38 -6.95	55.70 4.04 -18.94	53.75 4.32 -16.42	54.14 4.68 -13.12	77.03 4.70 -35.14	122.81 4.89 -80.20	136.04 4.75 -95.48	102.80 4.70 -63.70	401.56 33.71 -105.09	713.52 53.11 -261.37	131.22 4.97 -88.20	189.04 2.66 -163.14	74.14 3.12 -44.03	48.75 3.67 -12.62	36.95 3.23 -5.54	55.71 2.08 -36.45
FRESHKLS_33_KV_LOAD 356253	46.49 0.83 -39.80	38.53 2.43 -9.92	28.28 2.25 -0.85	26.90 2.17 0.00	27.38 2.14 0.00	28.99 2.24 -1.20	37.01 2.15 -10.69	43.80 2.23 -20.67	43.24 4.11 -1.98	42.61 3.64 -6.26	42.74 3.95 -5.78	44.75 4.29 -4.12	43.26 4.27 -1.80	44.03 4.53 -1.79	43.61 4.40 -3.40	44.36 4.39 -5.57	294.10 31.34 0.00	478.81 48.50 -31.27	85.88 4.49 -43.33	112.42 2.24 -86.94	55.59 2.57 -26.03	50.65 3.00 -15.18	37.37 2.79 -6.39	45.57 1.83 -26.56
FULTON COGEN____ 23766	5.68 -0.17 0.00	25.71 -0.48 0.00	24.63 -0.53 0.02	22.95 -0.55 1.23	21.32 -0.56 3.36	21.51 -0.53 3.50	20.14 -0.46 3.57	20.63 -0.27 0.00	36.70 -0.46 0.00	32.40 -0.31 0.00	32.70 -0.31 0.00	36.04 -0.41 -0.10	36.80 -0.40 0.00	37.32 -0.39 0.00	35.62 -0.29 -0.10	29.17 -0.38 4.85	258.80 -2.86 1.10	393.72 -5.32 0.00	37.76 -0.29 0.00	23.17 -0.07 0.00	26.92 -0.14 -0.07	32.34 -0.25 -0.12	27.86 -0.33 0.00	14.97 -0.17 2.04
FULTON___LFGE 323630	19.55 0.76 -12.94	29.86 3.22 -0.45	28.18 3.00 0.00	27.72 2.99 0.00	28.30 3.06 0.00	28.72 3.17 0.00	27.15 2.99 0.00	23.35 2.45 0.00	40.71 3.55 0.00	34.68 1.97 0.00	33.96 0.94 0.00	37.16 0.81 0.00	38.18 0.98 0.00	39.03 1.32 0.00	38.44 1.40 -1.23	39.18 3.11 -1.68	308.24 45.48 0.00	591.18 58.03 -134.11	42.26 4.20 0.00	26.53 3.30 0.00	31.15 4.16 0.00	37.38 4.91 0.00	32.33 3.99 -0.16	19.45 2.27 0.00
G.F.CEMENT___DRP 24184	23.87 0.54 -17.48	28.86 2.07 -0.60	27.08 1.76 -0.13	26.53 1.80 0.00	26.85 1.62 0.00	27.43 1.70 -0.19	28.70 1.81 -2.72	29.43 1.83 -6.71	40.72 3.25 -0.30	35.21 2.50 0.00	35.25 2.24 0.00	39.04 2.70 0.00	40.09 2.90 0.00	40.63 2.93 0.00	41.20 2.92 -2.46	40.71 2.95 -3.37	287.28 24.52 0.00	579.18 38.42 -141.71	44.79 2.43 -4.30	46.90 1.61 -22.05	33.69 1.88 -4.83	37.33 2.28 -2.59	30.76 1.89 -0.68	21.56 1.06 -3.32
GARDENVILLE___LBMP 24039	4.24 -0.71 0.90	24.47 -1.15 0.57	23.82 -1.36 0.00	23.36 -1.37 0.00	23.74 -1.50 0.00	24.19 -1.35 0.00	22.85 -1.31 0.00	20.22 -0.68 0.00	36.11 -1.05 0.00	32.08 -0.63 0.00	32.14 -0.87 0.00	34.73 -1.61 0.00	35.16 -2.04 0.00	34.38 -2.24 1.09	33.54 -2.27 0.00	30.91 -2.45 1.04	247.93 -14.72 0.11	380.63 -23.33 -4.92	36.86 -1.19 0.00	23.03 -0.21 0.00	26.74 -0.24 0.00	31.97 -0.50 0.00	27.50 -0.69 0.00	16.77 -0.41 0.00
GARDNVLA_35_KV_LD 355827	4.27 -0.69 0.90	24.59 -1.03 0.57	23.93 -1.25 0.00	23.47 -1.26 0.00	23.84 -1.39 0.00	24.30 -1.25 0.00	22.96 -1.20 0.00	20.32 -0.58 0.00	36.30 -0.86 0.00	32.25 -0.46 0.00	32.33 -0.68 0.00	34.97 -1.37 0.00	35.41 -1.79 0.00	34.87 -1.98 0.86	33.78 -2.03 0.00	31.35 -2.22 0.83	249.82 -12.87 0.08	383.56 -20.44 -4.95	37.16 -0.90 0.00	23.19 -0.05 0.00	26.93 -0.05 0.00	32.17 -0.30 0.00	27.67 -0.52 0.00	16.87 -0.31 0.00
GELCKHM___115KV_LOAD 80723	5.72 -0.13 0.00	25.88 -0.31 0.00	24.78 -0.38 0.02	23.93 -0.40 0.40	23.99 -0.41 0.83	24.18 -0.38 0.98	22.36 -0.30 1.50	20.77 -0.12 0.00	36.98 -0.18 0.00	32.69 -0.02 0.00	32.98 -0.03 0.00	36.30 -0.08 -0.04	37.13 -0.07 0.00	37.67 -0.04 0.00	36.26 -0.03 -0.48	34.23 -0.16 0.00	261.71 -1.05 0.00	396.46 -2.58 0.00	38.03 -0.03 0.00	23.34 0.10 0.00	27.06 0.05 -0.02	32.48 -0.02 -0.04	28.07 -0.12 0.00	16.42 -0.05 0.70
GENERAL___MILLS 23808	4.26 -0.70 0.90	24.53 -1.09 0.57	23.88 -1.30 0.00	23.42 -1.31 0.00	23.80 -1.44 0.00	24.25 -1.30 0.00	22.92 -1.25 0.00	20.27 -0.63 0.00	36.22 -0.94 0.00	32.17 -0.54 0.00	32.24 -0.77 0.00	34.85 -1.49 0.00	35.29 -1.91 0.00	34.71 -2.08 0.91	33.68 -2.13 0.00	31.17 -2.33 0.89	248.89 -13.78 0.09	382.01 -21.98 -4.95	37.01 -1.04 0.00	23.10 -0.14 0.00	26.83 -0.15 0.00	32.07 -0.40 0.00	27.58 -0.61 0.00	16.82 -0.36 0.00
GE_PLASTICS___DRP 24183	23.60 0.25 -17.50	27.47 0.68 -0.60	26.01 0.69 -0.13	25.47 0.74 0.00	25.97 0.74 0.00	26.46 0.72 -0.19	27.63 0.66 -2.80	28.45 0.65 -6.91	38.57 1.09 -0.31	33.48 0.77 0.00	33.86 0.85 0.00	37.23 0.88 0.00	38.08 0.88 0.00	38.67 0.96 0.00	30.64 0.94 6.11	27.04 0.99 8.35	269.47 6.71 0.00	484.87 11.18 -74.65	43.13 0.90 -4.18	45.10 0.51 -21.35	32.58 0.61 -4.99	35.89 0.72 -2.71	29.65 0.76 -0.70	21.18 0.59 -3.42
GILBOA___1 23756	14.66 0.29 -8.52	27.54 1.06 -0.30	26.28 1.09 0.00	25.91 1.18 0.00	26.41 1.17 0.00	26.66 1.12 0.00	25.21 1.04 0.00	21.81 0.91 0.00	38.71 1.55 0.00	34.03 1.32 0.00	34.46 1.46 0.00	37.94 1.60 0.00	38.81 1.61 0.00	39.31 1.60 0.00	37.22 1.41 0.00	35.83 1.44 0.00	272.94 10.18 0.00	440.65 15.20 -26.40	37.57 1.39 1.87	14.27 0.87 9.84	27.65 1.04 0.38	33.74 1.28 0.00	29.48 1.18 -0.10	17.92 0.74 0.00
GILBOA___2 23757	14.66 0.29 -8.52	27.54 1.06 -0.30	26.28 1.09 0.00	25.91 1.18 0.00	26.41 1.17 0.00	26.66 1.12 0.00	25.21 1.04 0.00	21.81 0.91 0.00	38.71 1.55 0.00	34.03 1.32 0.00	34.46 1.46 0.00	37.94 1.60 0.00	38.81 1.61 0.00	39.31 1.60 0.00	37.22 1.41 0.00	35.83 1.44 0.00	272.94 10.18 0.00	440.65 15.20 -26.40	37.57 1.39 1.87	14.27 0.87 9.84	27.65 1.04 0.38	33.74 1.28 0.00	29.48 1.18 -0.10	17.92 0.74 0.00



GILBOA___3 23758	14.66 0.29 -8.52	27.54 1.06 -0.30	26.28 1.09 0.00	25.91 1.18 0.00	26.41 1.17 0.00	26.66 1.12 0.00	25.21 1.04 0.00	21.81 0.91 0.00	38.71 1.55 0.00	34.03 1.32 0.00	34.46 1.46 0.00	37.94 1.60 0.00	38.81 1.61 0.00	39.31 1.60 0.00	37.22 1.41 0.00	35.83 1.44 0.00	272.94 10.18 0.00	440.65 15.20 -26.40	37.57 1.39 1.87	14.27 0.87 9.84	27.65 1.04 0.38	33.74 1.28 0.00	29.48 1.18 -0.10	17.92 0.74 0.00
GILBOA___4 23759	14.66 0.29 -8.52	27.54 1.06 -0.30	26.28 1.09 0.00	25.91 1.18 0.00	26.41 1.17 0.00	26.66 1.12 0.00	25.21 1.04 0.00	21.81 0.91 0.00	38.71 1.55 0.00	34.03 1.32 0.00	34.46 1.46 0.00	37.94 1.60 0.00	38.81 1.61 0.00	39.31 1.60 0.00	37.22 1.41 0.00	35.83 1.44 0.00	272.94 10.18 0.00	440.65 15.20 -26.40	37.57 1.39 1.87	14.27 0.87 9.84	27.65 1.04 0.38	33.74 1.28 0.00	29.48 1.18 -0.10	17.92 0.74 0.00
GILBOA___ 23599	14.66 0.29 -8.52	27.54 1.06 -0.30	26.28 1.09 0.00	25.91 1.18 0.00	26.41 1.17 0.00	26.67 1.12 0.00	25.21 1.05 0.00	21.81 0.91 0.00	38.71 1.55 0.00	34.03 1.32 0.00	34.47 1.45 0.00	37.95 1.60 0.00	38.81 1.61 0.00	39.31 1.60 0.00	37.22 1.41 0.00	35.83 1.44 0.00	272.95 10.19 0.00	440.65 15.20 -26.40	37.58 1.40 1.87	14.27 0.88 9.84	27.65 1.04 0.38	33.74 1.28 0.00	29.48 1.18 -0.10	17.92 0.74 0.00
GINNA___ 23603	4.89 -0.55 0.42	24.38 -1.54 0.27	23.53 -1.65 0.00	23.10 -1.63 0.00	23.50 -1.74 0.00	23.91 -1.64 0.00	22.64 -1.52 0.00	19.86 -1.03 0.00	35.35 -1.81 0.00	31.39 -1.32 0.00	31.59 -1.42 0.00	34.56 -1.79 0.00	35.47 -1.73 0.00	35.78 -1.95 -0.01	33.79 -2.02 0.00	32.15 -2.25 0.00	247.27 -15.49 0.00	375.51 -23.54 0.00	36.46 -1.60 0.00	22.55 -0.69 0.00	26.02 -0.97 0.00	31.26 -1.20 0.00	26.94 -1.25 0.00	16.41 -0.77 0.00
GLEN PARK___ 23778	5.59 -0.27 0.00	25.74 -0.44 0.00	24.31 -0.68 0.19	10.44 -0.97 13.32	-13.36 -0.53 38.07	-13.75 -0.42 38.88	-12.21 -0.20 36.17	20.96 0.06 0.00	37.39 0.23 0.00	33.06 0.35 0.00	33.00 -0.01 0.00	36.07 -0.32 -0.05	36.97 -0.23 0.00	37.83 0.12 0.00	20.21 -0.07 15.52	-32.69 -0.36 66.73	248.86 1.03 14.94	403.81 4.77 0.00	37.78 -0.27 0.00	22.92 -0.32 0.00	26.90 -0.12 -0.03	32.25 -0.27 -0.06	27.37 -0.82 0.00	-5.97 -0.74 22.41
GLENDALE_27_KV_LOAD 356172	106.96 0.82 -100.29	33.03 2.55 -4.29	28.42 2.38 -0.85	27.03 2.30 0.00	27.51 2.27 0.00	29.14 2.39 -1.20	44.05 2.28 -17.60	68.16 2.34 -44.92	43.41 4.29 -1.96	42.78 3.80 -6.26	39.99 4.14 -2.84	41.67 4.48 -0.85	41.67 4.47 0.00	42.40 4.69 0.00	40.89 4.54 -0.55	41.31 4.53 -2.38	295.40 32.64 0.00	480.10 49.79 -31.27	67.10 4.63 -24.41	105.38 2.39 -79.75	37.85 2.73 -8.13	34.07 3.18 1.57	31.40 2.94 -0.26	40.58 1.91 -21.48
GLENWOOD_IC_1_G5 23712	108.72 0.81 -102.05	43.01 2.49 -14.34	57.57 2.54 -29.85	54.61 2.46 -27.42	51.91 2.43 -24.24	41.44 2.52 -13.38	44.28 2.35 -17.77	68.38 2.31 -45.17	48.52 4.41 -6.95	55.50 3.84 -18.94	53.68 4.24 -16.42	54.19 4.72 -13.12	82.90 4.78 -40.93	188.59 5.00 -145.88	213.06 4.83 -172.42	173.72 4.77 -134.55	548.29 34.22 -251.31	1003.85 53.31 -551.50	213.25 4.97 -170.23	221.01 2.65 -195.11	94.48 3.14 -64.35	48.66 3.59 -12.61	36.82 3.09 -5.54	55.58 1.96 -36.44
GLENWOOD_IC_2_G1 23688	108.73 0.82 -102.05	43.06 2.54 -14.34	57.48 2.45 -29.85	54.52 2.37 -27.42	51.83 2.35 -24.24	41.36 2.43 -13.38	44.20 2.27 -17.77	68.31 2.24 -45.17	48.36 4.25 -6.95	55.51 3.85 -18.94	53.69 4.25 -16.42	54.17 4.70 -13.12	91.48 4.73 -49.55	285.91 4.93 -243.27	327.06 4.74 -286.51	278.67 4.68 -239.60	764.56 33.67 -468.12	1433.10 52.35 -981.70	334.80 4.88 -291.86	268.40 2.63 -242.53	124.59 3.12 -94.48	48.67 3.59 -12.62	36.83 3.10 -5.54	55.60 1.97 -36.45
GLENWOOD_IC_3_G1 23689	108.73 0.82 -102.05	43.06 2.54 -14.34	57.48 2.45 -29.85	54.52 2.37 -27.42	51.83 2.35 -24.24	41.36 2.43 -13.38	44.20 2.27 -17.77	68.31 2.24 -45.17	48.36 4.25 -6.95	55.51 3.85 -18.94	53.69 4.25 -16.42	54.17 4.70 -13.12	91.48 4.73 -49.55	285.91 4.93 -243.27	327.06 4.74 -286.51	278.67 4.68 -239.60	764.56 33.67 -468.12	1433.10 52.35 -981.70	334.80 4.88 -291.86	268.40 2.63 -242.53	124.59 3.12 -94.48	48.67 3.59 -12.62	36.83 3.10 -5.54	55.60 1.97 -36.45
GLENWOOD___4 23550	108.73 0.82 -102.05	43.08 2.55 -14.34	57.57 2.54 -29.85	54.61 2.46 -27.42	51.91 2.43 -24.24	41.44 2.52 -13.38	44.28 2.35 -17.77	68.38 2.31 -45.17	48.52 4.41 -6.95	55.56 3.91 -18.94	53.76 4.33 -16.42	54.27 4.80 -13.12	82.99 4.86 -40.93	188.67 5.08 -145.88	213.14 4.91 -172.42	173.79 4.85 -134.55	548.89 34.82 -251.31	1004.79 54.25 -551.50	213.33 5.05 -170.23	221.06 2.71 -195.11	94.54 3.21 -64.35	48.74 3.67 -12.61	36.89 3.17 -5.54	55.62 2.00 -36.44
GLENWOOD___5 23614	108.73 0.82 -102.05	43.08 2.55 -14.34	57.57 2.54 -29.85	54.61 2.46 -27.42	51.91 2.43 -24.24	41.44 2.52 -13.38	44.28 2.35 -17.77	68.38 2.31 -45.17	48.52 4.41 -6.95	55.56 3.91 -18.94	53.76 4.33 -16.42	54.27 4.80 -13.12	82.99 4.86 -40.93	188.67 5.08 -145.88	213.14 4.91 -172.42	173.79 4.85 -134.55	548.89 34.82 -251.31	1004.79 54.25 -551.50	213.33 5.05 -170.23	221.06 2.71 -195.11	94.54 3.21 -64.35	48.74 3.67 -12.61	36.89 3.17 -5.54	55.62 2.00 -36.44
GLOBAL GREEN_PORT_GT1 23814	108.89 0.99 -102.05	43.50 2.98 -14.34	57.78 2.74 -29.85	54.85 2.70 -27.42	52.27 2.79 -24.24	41.65 2.73 -13.38	44.59 2.66 -17.77	68.84 2.77 -45.17	49.42 5.31 -6.95	73.93 5.22 -35.99	90.61 5.68 -51.92	89.19 6.26 -46.59	167.21 6.07 -123.93	255.38 6.21 -211.45	277.71 6.01 -235.89	238.85 5.72 -198.73	364.50 37.03 -64.71	599.72 61.07 -139.61	330.02 5.62 -286.34	223.32 2.66 -197.42	156.00 3.63 -125.38	63.10 4.33 -26.30	38.63 3.62 -6.82	57.81 2.34 -38.29
GLOBE___DSASP 323697	4.23 -0.86 0.76	23.66 -2.05 0.48	22.98 -2.20 0.00	22.61 -2.13 0.00	22.91 -2.32 0.00	23.37 -2.18 0.00	22.03 -2.14 0.00	19.43 -1.46 0.00	34.51 -2.65 0.00	30.57 -2.14 0.00	30.60 -2.42 0.00	33.04 -3.30 0.00	33.55 -3.65 0.00	33.13 -3.88 0.70	31.97 -3.84 0.00	29.56 -4.15 0.68	234.71 -27.96 0.08	360.17 -43.35 -4.48	35.04 -3.01 0.00	21.86 -1.38 0.00	25.24 -1.74 0.00	30.37 -2.10 0.00	26.22 -1.97 0.00	16.09 -1.09 0.00
GOETHSLN___LBMP 323567	46.35 0.73 -39.77	32.70 2.22 -4.29	28.11 2.08 -0.85	26.75 2.02 0.00	27.22 1.98 0.00	28.82 2.07 -1.20	36.79 1.93 -10.70	43.91 2.00 -21.01	42.81 3.69 -1.96	42.17 3.39 -6.08	39.57 3.81 -2.75	41.36 4.19 -0.82	41.31 4.11 0.00	41.94 4.23 0.00	40.46 4.10 -0.55	40.86 4.08 -2.38	292.41 29.65 0.00	475.19 44.87 -31.27	69.15 4.25 -26.85	103.03 2.19 -77.60	48.22 2.52 -18.71	46.19 2.92 -10.81	33.97 2.66 -3.12	32.04 1.70 -13.16
GOLAH___69_KV_TB 1_2 80279	4.99 -0.37 0.49	25.42 -0.45 0.31	24.56 -0.62 0.00	24.10 -0.63 0.00	24.50 -0.73 0.00	24.96 -0.58 0.00	23.62 -0.54 0.00	20.77 -0.12 0.00	36.97 -0.19 0.00	32.78 0.06 0.00	32.96 -0.06 0.00	35.77 -0.57 0.00	36.73 -0.47 0.00	37.04 -0.70 -0.03	34.89 -0.92 0.00	33.23 -1.18 -0.02	256.03 -6.74 0.00	388.04 -11.01 0.00	37.80 -0.25 0.00	23.48 0.24 0.00	27.16 0.17 0.00	32.73 0.27 0.00	28.18 -0.02 0.00	17.17 0.00 0.00



GOODYEAR_LAKE_HYD 323669	6.08 0.22 0.00	27.26 1.07 0.00	26.19 1.02 0.00	25.72 0.99 0.00	26.25 1.01 0.00	26.66 1.12 0.00	25.28 1.11 0.00	21.98 1.09 0.00	39.11 1.95 0.00	34.55 1.84 0.00	34.97 1.96 0.00	38.39 2.04 0.00	39.22 2.02 0.00	39.75 2.04 0.00	38.02 1.82 -0.38	36.73 1.81 -0.52	277.40 14.64 0.00	467.02 20.25 -47.73	40.07 2.01 0.00	24.56 1.32 0.00	28.58 1.59 0.00	34.34 1.88 0.00	29.72 1.53 0.00	18.08 0.90 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	5.40 -0.15 0.31	26.08 0.09 0.20	25.19 0.01 0.00	24.69 -0.04 0.00	25.25 0.01 0.00	25.62 0.07 0.00	24.28 0.11 0.00	21.21 0.31 0.00	37.90 0.74 0.00	33.53 0.82 0.00	33.85 0.84 0.00	37.11 0.74 -0.02	37.80 0.60 0.00	38.35 0.64 0.00	36.63 0.54 -0.27	34.95 0.55 0.00	268.00 5.24 0.00	415.43 5.63 -10.75	38.85 0.79 0.00	23.94 0.70 0.00	27.81 0.81 -0.01	33.30 0.81 -0.03	28.76 0.57 0.00	17.51 0.33 0.00
GOUDEY___7 23579	5.40 -0.14 0.31	26.11 0.12 0.20	25.21 0.03 0.00	24.72 -0.01 0.00	25.26 0.03 0.00	25.63 0.08 0.00	24.30 0.14 0.00	21.23 0.33 0.00	37.94 0.78 0.00	33.57 0.86 0.00	33.89 0.88 0.00	37.15 0.78 -0.02	37.86 0.66 0.00	38.40 0.69 0.00	36.69 0.61 -0.27	35.02 0.62 0.00	268.39 5.62 0.00	416.03 6.23 -10.75	38.91 0.85 0.00	23.97 0.73 0.00	27.85 0.85 -0.01	33.34 0.85 -0.03	28.79 0.60 0.00	17.52 0.34 0.00
GOUDEY___8 23580	5.40 -0.15 0.31	26.08 0.09 0.20	25.19 0.01 0.00	24.69 -0.04 0.00	25.25 0.01 0.00	25.62 0.07 0.00	24.28 0.11 0.00	21.21 0.31 0.00	37.90 0.74 0.00	33.53 0.82 0.00	33.85 0.84 0.00	37.11 0.74 -0.02	37.80 0.60 0.00	38.35 0.64 0.00	36.63 0.54 -0.27	34.95 0.55 0.00	268.00 5.24 0.00	415.43 5.63 -10.75	38.85 0.79 0.00	23.94 0.70 0.00	27.81 0.81 -0.01	33.30 0.81 -0.03	28.76 0.57 0.00	17.51 0.33 0.00
GOWANUS_GT1_1 24077	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_2 24078	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_3 24079	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_4 24080	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_5 24084	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_6 24111	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_7 24112	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT1_8 24113	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.26 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT2_1 24114	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT2_2 24115	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT2_3 24116	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39



GOWANUS_GT2_4 24117	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT2_5 24118	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT2_6 24119	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT2_7 24120	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT2_8 24121	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_1 24122	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_2 24123	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_3 24124	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_4 24125	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_5 24126	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_6 24127	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_7 24128	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT3_8 24129	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.41 31.65 0.00	478.84 48.52 -31.27	85.88 4.49 -43.34	133.88 2.25 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
GOWANUS_GT4_1 24130	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT4_2 24131	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39



GOWANUS_GT4_3 24132	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT4_4 24133	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT4_5 24134	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT4_6 24135	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT4_7 24136	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GOWANUS_GT4_8 24137	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.73 4.47 -77.86	294.39 31.63 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GREENBSH_115KV_TB3 55895	24.74 0.28 -18.60	27.63 0.80 -0.64	26.13 0.81 -0.14	25.60 0.87 0.00	26.11 0.87 0.00	26.60 0.85 -0.20	27.85 0.77 -2.91	28.85 0.76 -7.19	38.75 1.26 -0.33	33.59 0.88 0.00	33.95 0.93 0.00	37.37 1.02 0.00	38.28 1.09 0.00	38.90 1.19 0.00	26.39 1.16 10.58	21.15 1.20 14.45	271.21 8.44 0.00	500.67 13.96 -87.66	43.86 1.13 -4.67	47.81 0.64 -23.94	32.97 0.75 -5.24	36.14 0.87 -2.81	29.80 0.88 -0.73	21.36 0.62 -3.56
GREENIDGE_115KV_TB5 80291	3.40 -0.36 2.09	24.49 -0.38 1.32	24.64 -0.54 0.00	24.14 -0.59 0.00	24.64 -0.60 0.00	25.03 -0.52 0.00	23.76 -0.41 0.00	20.84 -0.05 0.00	37.09 -0.06 0.00	32.92 0.21 0.00	33.14 0.13 0.00	36.10 -0.26 -0.02	36.71 -0.48 0.00	38.74 -0.47 -1.50	35.85 -0.18 -0.22	35.21 -0.65 -1.46	259.27 -3.65 -0.15	395.84 -8.75 -5.55	38.24 0.19 0.00	23.95 0.70 0.00	27.71 0.72 -0.01	33.06 0.58 -0.02	28.50 0.31 0.00	17.34 0.16 0.00
GREENIDGE___3 23582	3.40 -0.36 2.09	24.49 -0.38 1.32	24.64 -0.54 0.00	24.14 -0.59 0.00	24.64 -0.60 0.00	25.03 -0.52 0.00	23.76 -0.41 0.00	20.84 -0.05 0.00	37.09 -0.06 0.00	32.92 0.21 0.00	33.14 0.13 0.00	36.10 -0.26 -0.02	36.71 -0.48 0.00	38.74 -0.47 -1.50	35.85 -0.18 -0.22	35.21 -0.65 -1.46	259.27 -3.65 -0.15	395.84 -8.75 -5.55	38.24 0.19 0.00	23.95 0.70 0.00	27.71 0.72 -0.01	33.06 0.58 -0.02	28.50 0.31 0.00	17.34 0.16 0.00
GREENIDGE___4 23583	3.40 -0.37 2.09	24.49 -0.38 1.32	24.64 -0.54 0.00	24.14 -0.59 0.00	24.64 -0.60 0.00	25.02 -0.52 0.00	23.76 -0.41 0.00	20.84 -0.05 0.00	37.10 -0.06 0.00	32.93 0.22 0.00	33.15 0.14 0.00	36.11 -0.25 -0.02	36.71 -0.49 0.00	38.74 -0.47 -1.50	35.85 -0.19 -0.22	35.21 -0.65 -1.46	259.18 -3.73 -0.15	395.89 -8.70 -5.55	38.25 0.19 0.00	23.95 0.71 0.00	27.71 0.72 -0.01	33.07 0.58 -0.02	28.51 0.32 0.00	17.34 0.16 0.00
GREENLWN_69_KV_BK 3 55738	108.70 0.80 -102.05	42.90 2.37 -14.34	57.26 2.23 -29.85	54.36 2.22 -27.42	51.72 2.24 -24.24	41.24 2.32 -13.38	44.09 2.16 -17.77	68.13 2.06 -45.17	47.99 3.88 -6.95	52.24 3.61 -15.92	45.67 4.02 -8.64	46.47 4.34 -5.78	53.84 4.35 -12.29	55.99 4.58 -13.70	60.83 4.52 -20.50	32.26 4.45 6.60	315.79 31.10 -21.93	567.46 49.06 -119.36	40.29 4.60 2.37	143.80 2.40 -118.15	44.48 2.98 -14.51	45.42 3.34 -9.61	36.26 2.81 -5.26	55.14 1.84 -36.12
GREENWD_138_KV_38B11_REV_LBMP_J 345004	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.46 31.69 0.00	478.95 48.63 -31.27	85.89 4.51 -43.34	133.90 2.28 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39
GRISSOM___SOLAR 323813	19.55 0.76 -12.94	29.86 3.22 -0.45	28.18 3.00 0.00	27.72 2.99 0.00	28.30 3.06 0.00	28.72 3.17 0.00	27.15 2.99 0.00	23.35 2.45 0.00	40.71 3.55 0.00	34.68 1.97 0.00	33.96 0.94 0.00	37.16 0.81 0.00	38.18 0.98 0.00	39.03 1.32 0.00	38.44 1.40 -1.23	39.18 3.11 -1.68	308.24 45.48 0.00	591.18 58.03 -134.11	42.26 4.20 0.00	26.53 3.30 0.00	31.15 4.16 0.00	37.38 4.91 0.00	32.33 3.99 -0.16	19.45 2.27 0.00
GROVEVILLE___HYD 323602	27.05 0.61 -20.59	28.82 1.93 -0.71	26.97 1.79 0.00	26.48 1.75 0.00	26.96 1.73 0.00	27.33 1.78 0.00	25.87 1.71 0.00	22.66 1.76 0.00	40.44 3.28 0.00	35.68 2.97 0.00	36.35 3.34 0.00	40.09 3.74 0.00	41.01 3.81 0.00	41.69 3.98 0.00	40.19 3.95 -0.43	39.96 3.97 -1.60	292.65 29.89 0.00	476.50 45.68 -31.77	60.94 4.24 -18.64	122.21 2.40 -96.57	43.51 2.77 -13.76	42.22 3.23 -6.51	32.40 2.78 -1.43	18.87 1.69 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.95 0.24 0.00	33.24 0.23 0.00	36.62 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.84 0.28 -0.74	34.51 0.11 0.00	263.72 0.96 0.00	399.30 0.26 0.00	38.34 0.28 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.25 -0.07	28.30 0.11 0.00	16.61 0.08 0.64



HAMLTNNY_34_KV_TB 80303	5.74 -0.11 0.00	26.09 -0.09 0.00	25.00 -0.16 0.02	24.21 -0.20 0.32	24.33 -0.23 0.68	24.59 -0.15 0.80	22.85 -0.09 1.22	20.98 0.08 0.00	37.32 0.16 0.00	33.05 0.34 0.00	33.29 0.28 0.00	36.68 0.28 -0.06	37.52 0.33 0.00	38.02 0.31 0.00	36.89 0.32 -0.76	34.53 0.13 0.00	264.07 1.31 0.00	399.75 0.71 0.00	38.39 0.34 0.00	23.63 0.39 0.00	27.40 0.38 -0.04	32.88 0.34 -0.07	28.40 0.20 0.00	16.73 0.12 0.57
HAMPSHIRE___PAPER_HYD 323593	5.58 -0.28 0.00	25.17 -1.02 0.00	23.55 -1.13 0.50	3.30 -1.36 20.06	-28.26 -1.07 52.42	-31.21 -1.04 55.71	-37.93 -0.94 61.15	20.21 -0.69 0.00	36.07 -1.09 0.00	31.82 -0.89 0.00	31.79 -1.22 0.00	34.95 -1.41 -0.02	35.73 -1.47 0.00	36.38 -1.33 0.00	18.17 -1.30 16.34	-42.02 -1.18 75.24	238.74 -8.66 15.37	387.82 -11.22 0.00	36.44 -1.62 0.00	22.19 -1.05 0.00	26.04 -0.97 -0.01	31.39 -1.10 -0.03	26.84 -1.35 0.00	-17.41 -1.04 33.54
HARDSCRABBLE_WT_PWR 323673	6.07 0.21 0.00	27.16 0.97 0.00	26.08 0.91 0.02	26.36 0.90 -0.74	28.84 0.91 -2.69	29.03 0.99 -2.49	26.31 0.97 -1.18	21.77 0.87 0.00	38.60 1.44 0.00	33.80 1.09 0.00	33.97 0.96 0.00	37.39 1.05 0.00	38.32 1.12 0.00	38.97 1.26 0.00	38.99 1.35 -1.83	44.19 1.68 -8.12	279.14 14.74 -1.63	417.71 18.67 0.00	39.29 1.23 0.00	24.15 0.91 0.00	28.15 1.17 0.00	33.79 1.33 0.00	29.34 1.15 0.00	19.07 0.67 -1.22
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	-97.88 0.61 104.34	23.52 1.93 4.60	26.04 1.80 0.95	26.47 1.74 0.00	26.95 1.72 0.00	25.99 1.78 1.34	6.27 1.67 19.56	-25.65 1.73 48.27	38.21 3.23 2.18	35.70 2.99 0.00	36.41 3.40 0.00	40.16 3.82 0.00	41.09 3.89 0.00	41.81 4.09 0.00	40.23 3.97 -0.45	44.85 4.00 -6.45	292.94 30.18 0.00	473.94 45.84 -29.06	96.73 4.20 -54.48	305.61 2.35 -280.02	84.40 2.70 -54.71	64.11 3.09 -28.56	34.85 2.61 -4.05	-5.10 1.60 23.88
HARSNRAD_115KV_TB1 81005	4.33 -0.78 0.74	24.06 -1.66 0.47	23.35 -1.83 0.00	22.94 -1.79 0.00	23.27 -1.97 0.00	23.73 -1.81 0.00	22.41 -1.76 0.00	19.79 -1.10 0.00	35.21 -1.95 0.00	31.24 -1.47 0.00	31.26 -1.75 0.00	33.72 -2.62 0.00	34.20 -2.93 0.06	33.02 -3.27 1.43	32.52 -3.28 0.01	29.60 -3.56 1.24	238.93 -23.40 0.43	367.58 -35.82 -4.35	35.76 -2.30 0.00	22.33 -0.91 0.00	25.86 -1.12 0.00	31.10 -1.37 0.00	26.81 -1.38 0.00	16.39 -0.79 0.00
HARZA MOOSE___RIVER 24016	5.84 -0.02 0.00	26.32 0.13 0.00	25.05 0.01 0.14	21.64 -0.18 2.91	19.27 0.10 6.07	18.53 0.17 7.19	13.43 0.21 10.94	21.30 0.41 0.00	37.96 0.80 0.00	33.37 0.66 0.00	33.46 0.45 0.00	36.71 0.35 -0.02	37.49 0.30 0.00	38.14 0.43 0.00	36.34 0.32 -0.21	32.86 0.64 2.19	266.72 3.96 0.00	405.52 6.47 0.00	38.22 0.16 0.00	23.19 -0.05 0.00	27.07 0.07 -0.01	32.62 0.13 -0.02	27.85 -0.34 0.00	10.50 -0.33 6.35
HDSNBRDG_115KV_BRDG_TB1 355580	5.71 -0.14 0.00	25.88 -0.31 0.00	24.78 -0.38 0.02	23.92 -0.40 0.41	23.98 -0.40 0.85	24.17 -0.37 1.01	22.33 -0.30 1.53	20.78 -0.12 0.00	37.02 -0.13 0.00	32.72 0.01 0.00	33.03 0.02 0.00	36.32 -0.05 -0.03	37.17 -0.03 0.00	37.71 0.00 0.00	36.22 0.01 -0.40	34.27 -0.13 0.00	261.98 -0.79 0.00	396.76 -2.29 0.00	38.06 0.00 0.00	23.37 0.12 0.00	27.08 0.08 -0.02	32.51 0.00 -0.04	28.09 -0.10 0.00	16.43 -0.04 0.71
HELLGATE_13_KV_LD 55870	106.94 0.79 -100.29	32.87 2.40 -4.29	28.27 2.24 -0.85	26.89 2.16 0.00	27.37 2.14 0.00	28.99 2.24 -1.20	43.90 2.13 -17.60	68.00 2.18 -44.92	43.11 3.99 -1.96	42.48 3.51 -6.26	39.69 3.84 -2.84	41.37 4.18 -0.85	41.38 4.18 0.00	42.10 4.39 0.00	40.62 4.26 -0.55	41.04 4.26 -2.38	293.33 30.57 0.00	476.91 46.59 -31.27	67.62 4.30 -25.26	132.07 2.18 -106.65	43.09 2.50 -13.60	38.29 2.90 -2.92	32.17 2.71 -1.26	40.46 1.80 -21.48
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	106.94 0.79 -100.29	32.87 2.40 -4.29	28.27 2.24 -0.85	26.89 2.16 0.00	27.37 2.14 0.00	28.99 2.24 -1.20	43.90 2.13 -17.60	68.00 2.18 -44.92	43.11 3.99 -1.96	42.48 3.51 -6.26	39.69 3.84 -2.84	41.37 4.18 -0.85	41.38 4.18 0.00	42.10 4.39 0.00	40.62 4.26 -0.55	41.04 4.26 -2.38	293.33 30.57 0.00	476.91 46.59 -31.27	67.62 4.30 -25.26	132.07 2.18 -106.65	43.09 2.50 -13.60	38.29 2.90 -2.92	32.17 2.71 -1.26	40.46 1.80 -21.48
HEMPSTEAD____ 23647	108.72 0.81 -102.05	42.96 2.43 -14.34	57.41 2.37 -29.85	54.45 2.31 -27.42	51.76 2.28 -24.24	41.29 2.36 -13.38	44.13 2.21 -17.77	68.24 2.17 -45.17	48.25 4.14 -6.95	55.41 3.75 -18.94	53.57 4.13 -16.42	54.02 4.55 -13.12	78.85 4.58 -37.07	144.69 4.80 -102.18	161.68 4.65 -121.22	126.40 4.60 -87.41	449.64 32.86 -154.02	808.95 51.47 -358.44	158.49 4.79 -115.65	199.63 2.55 -173.84	80.83 3.01 -50.82	48.54 3.46 -12.62	36.73 3.00 -5.54	55.54 1.92 -36.45
HEWLETT_69_KV_BK3 55828	108.78 0.87 -102.05	43.33 2.81 -14.34	57.68 2.65 -29.85	54.71 2.57 -27.42	52.03 2.55 -24.24	41.56 2.64 -13.38	44.38 2.45 -17.77	68.45 2.38 -45.17	48.62 4.51 -6.95	55.77 4.11 -18.94	53.88 4.44 -16.42	54.36 4.89 -13.12	76.62 4.85 -34.57	116.80 4.94 -74.15	128.99 4.79 -88.39	96.31 4.74 -57.18	388.39 34.00 -91.63	686.90 53.21 -234.65	123.68 4.98 -80.64	186.10 2.67 -160.20	72.25 3.11 -42.15	48.80 3.73 -12.61	37.01 3.28 -5.54	55.71 2.09 -36.44
HICKLING___1 23621	2.98 -0.45 2.43	24.23 -0.42 1.54	24.62 -0.56 0.00	24.08 -0.65 0.00	24.69 -0.55 0.00	25.03 -0.52 0.00	23.78 -0.38 0.00	20.90 0.00 0.00	37.57 0.41 0.00	33.42 0.71 0.00	33.69 0.68 0.00	36.70 0.34 -0.02	37.17 -0.02 0.00	38.05 0.00 -0.34	35.98 -0.05 -0.22	34.59 -0.15 -0.34	263.60 0.80 -0.04	405.01 -2.13 -8.09	38.51 0.46 0.00	24.02 0.78 0.00	27.95 0.95 -0.01	33.29 0.80 -0.02	28.64 0.45 0.00	17.38 0.20 0.00
HICKLING___2 23622	2.98 -0.45 2.43	24.23 -0.42 1.54	24.62 -0.56 0.00	24.08 -0.65 0.00	24.69 -0.55 0.00	25.03 -0.52 0.00	23.78 -0.38 0.00	20.90 0.00 0.00	37.57 0.41 0.00	33.42 0.71 0.00	33.69 0.68 0.00	36.70 0.34 -0.02	37.17 -0.02 0.00	38.05 0.00 -0.34	35.98 -0.05 -0.22	34.59 -0.15 -0.34	263.60 0.80 -0.04	405.01 -2.13 -8.09	38.51 0.46 0.00	24.02 0.78 0.00	27.95 0.95 -0.01	33.29 0.80 -0.02	28.64 0.45 0.00	17.38 0.20 0.00
HIGH FALLS___HY 23754	-2.31 0.62 8.78	27.81 1.93 0.30	26.96 1.78 0.00	26.43 1.70 0.00	26.90 1.67 0.00	27.27 1.73 0.00	25.83 1.66 0.00	22.67 1.77 0.00	40.59 3.43 0.00	35.91 3.20 0.00	36.65 3.64 0.00	40.43 4.09 0.00	41.32 4.13 0.00	41.84 4.13 0.00	39.04 4.01 0.78	38.02 4.05 0.42	294.08 31.32 0.00	482.21 46.56 -36.60	52.75 4.45 -10.24	79.13 2.60 -53.29	36.03 2.98 -6.06	38.62 3.55 -2.60	31.50 2.95 -0.36	18.89 1.71 0.00
HIGH_RIVER___SOLAR 323847	21.49 0.39 -15.26	28.13 1.41 -0.53	26.50 1.31 0.00	26.04 1.31 0.00	26.55 1.32 0.00	26.90 1.35 0.00	25.49 1.33 0.00	22.14 1.24 0.00	38.97 1.81 0.00	34.08 1.37 0.00	34.09 1.07 0.00	37.45 1.10 0.00	38.40 1.21 0.00	38.98 1.27 0.00	38.54 1.37 -1.35	37.73 1.49 -1.85	279.82 17.06 0.00	571.09 25.21 -146.84	43.78 1.95 -3.78	43.89 1.31 -19.34	32.88 1.65 -4.23	36.70 1.97 -2.27	30.44 1.65 -0.60	18.15 0.97 0.00



HILLBURN___GT 23639	-109.48 0.63 115.96	22.93 1.90 5.16	25.85 1.77 1.10	26.44 1.72 0.00	26.92 1.68 0.00	25.73 1.75 1.56	2.94 1.61 22.83	-33.74 1.70 56.34	37.81 3.19 2.55	35.67 2.95 0.00	36.41 3.40 0.00	40.12 3.78 0.00	41.00 3.81 0.00	41.67 3.96 0.00	40.11 3.83 -0.47	43.65 3.84 -5.42	291.28 28.52 0.00	471.81 43.26 -29.51	90.30 3.99 -48.26	273.62 2.16 -248.22	77.04 2.52 -47.53	60.04 2.90 -24.68	33.91 2.49 -3.23	-9.14 1.54 27.86
HILLSIDE_115KV_TB1 80332	3.13 -0.46 2.27	24.11 -0.64 1.44	24.43 -0.75 0.00	23.92 -0.81 0.00	24.52 -0.71 0.00	24.87 -0.68 0.00	23.62 -0.55 0.00	20.73 -0.16 0.00	37.26 0.10 0.00	33.11 0.40 0.00	33.41 0.40 0.00	36.50 0.14 -0.02	37.00 -0.19 0.00	37.84 -0.17 -0.30	35.78 -0.26 -0.23	34.46 -0.23 -0.30	262.84 0.05 -0.03	403.40 -4.03 -8.38	38.19 0.13 0.00	23.71 0.47 0.00	27.58 0.58 -0.01	32.84 0.35 -0.02	28.30 0.11 0.00	17.19 0.01 0.00
HISHELDN_WT_PWR 323625	3.95 -0.82 1.09	24.23 -1.27 0.69	23.72 -1.46 0.00	23.22 -1.51 0.00	23.64 -1.59 0.00	24.07 -1.48 0.00	22.79 -1.37 0.00	20.13 -0.77 0.00	36.11 -1.05 0.00	32.11 -0.60 0.00	32.12 -0.89 0.00	34.52 -1.82 0.00	34.80 -2.40 0.00	32.66 -2.54 2.52	33.15 -2.66 0.00	29.25 -2.75 2.40	245.68 -16.83 0.25	378.86 -25.53 -5.34	36.72 -1.33 0.00	23.05 -0.19 0.00	26.79 -0.19 0.00	31.97 -0.49 0.00	27.53 -0.66 0.00	16.74 -0.43 0.00
HOLTSVILLE_IC_1 23690	108.80 0.89 -102.05	43.16 2.63 -14.34	57.50 2.47 -29.85	54.55 2.40 -27.42	51.85 2.37 -24.24	41.38 2.45 -13.38	44.24 2.31 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.48 4.06 -35.71	88.57 4.36 -51.20	87.02 4.76 -45.91	163.94 4.71 -122.04	250.52 4.89 -207.91	272.56 4.73 -232.02	234.09 4.65 -195.04	356.76 31.79 -62.21	588.81 51.79 -137.97	324.14 4.87 -281.22	219.19 2.53 -193.42	153.61 3.17 -123.45	62.11 3.62 -26.02	38.13 3.14 -6.80	57.52 2.08 -38.26
HOLTSVILLE_IC_10 23699	108.86 0.95 -102.05	43.36 2.83 -14.34	57.69 2.65 -29.85	54.72 2.58 -27.42	52.00 2.52 -24.24	41.53 2.61 -13.38	44.39 2.46 -17.77	68.48 2.41 -45.17	48.77 4.66 -6.95	73.87 4.37 -36.79	91.63 4.70 -53.92	89.94 5.12 -48.48	171.44 5.09 -129.16	264.30 5.26 -221.32	287.58 5.08 -246.70	248.39 4.99 -209.01	369.29 33.93 -72.60	599.12 55.19 -144.89	343.79 5.15 -300.59	235.41 2.69 -209.48	161.18 3.46 -130.73	63.49 3.95 -27.07	38.49 3.40 -6.90	57.79 2.23 -38.38
HOLTSVILLE_IC_2 23691	108.80 0.89 -102.05	43.16 2.63 -14.34	57.50 2.47 -29.85	54.55 2.40 -27.42	51.85 2.37 -24.24	41.38 2.45 -13.38	44.24 2.31 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.48 4.06 -35.71	88.57 4.36 -51.20	87.02 4.76 -45.91	163.94 4.71 -122.04	250.52 4.89 -207.91	272.56 4.73 -232.02	234.09 4.65 -195.04	356.76 31.79 -62.21	588.81 51.79 -137.97	324.14 4.87 -281.22	219.19 2.53 -193.42	153.61 3.17 -123.45	62.11 3.62 -26.02	38.13 3.14 -6.80	57.52 2.08 -38.26
HOLTSVILLE_IC_3 23692	108.80 0.89 -102.05	43.16 2.63 -14.34	57.50 2.47 -29.85	54.55 2.40 -27.42	51.85 2.37 -24.24	41.38 2.45 -13.38	44.24 2.31 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.48 4.06 -35.71	88.57 4.36 -51.20	87.02 4.76 -45.91	163.94 4.71 -122.04	250.52 4.89 -207.91	272.56 4.73 -232.02	234.09 4.65 -195.04	356.76 31.79 -62.21	588.81 51.79 -137.97	324.14 4.87 -281.22	219.19 2.53 -193.42	153.61 3.17 -123.45	62.11 3.62 -26.02	38.13 3.14 -6.80	57.52 2.08 -38.26
HOLTSVILLE_IC_4 23693	108.80 0.89 -102.05	43.16 2.63 -14.34	57.50 2.47 -29.85	54.55 2.40 -27.42	51.85 2.37 -24.24	41.38 2.45 -13.38	44.24 2.31 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.48 4.06 -35.71	88.57 4.36 -51.20	87.02 4.76 -45.91	163.94 4.71 -122.04	250.52 4.89 -207.91	272.56 4.73 -232.02	234.09 4.65 -195.04	356.76 31.79 -62.21	588.81 51.79 -137.97	324.14 4.87 -281.22	219.19 2.53 -193.42	153.61 3.17 -123.45	62.11 3.62 -26.02	38.13 3.14 -6.80	57.52 2.08 -38.26
HOLTSVILLE_IC_5 23694	108.80 0.89 -102.05	43.16 2.63 -14.34	57.50 2.47 -29.85	54.55 2.40 -27.42	51.85 2.37 -24.24	41.38 2.45 -13.38	44.24 2.31 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.48 4.06 -35.71	88.57 4.36 -51.20	87.02 4.76 -45.91	163.94 4.71 -122.04	250.52 4.89 -207.91	272.56 4.73 -232.02	234.09 4.65 -195.04	356.76 31.79 -62.21	588.81 51.79 -137.97	324.14 4.87 -281.22	219.19 2.53 -193.42	153.61 3.17 -123.45	62.11 3.62 -26.02	38.13 3.14 -6.80	57.52 2.08 -38.26
HOLTSVILLE_IC_6 23695	108.86 0.95 -102.05	43.36 2.83 -14.34	57.69 2.65 -29.85	54.72 2.58 -27.42	52.00 2.52 -24.24	41.53 2.61 -13.38	44.39 2.46 -17.77	68.48 2.41 -45.17	48.77 4.66 -6.95	73.87 4.37 -36.79	91.63 4.70 -53.92	89.94 5.12 -48.48	171.44 5.09 -129.16	264.30 5.26 -221.32	287.58 5.08 -246.70	248.39 4.99 -209.01	369.29 33.93 -72.60	599.12 55.19 -144.89	343.79 5.15 -300.59	235.41 2.69 -209.48	161.18 3.46 -130.73	63.49 3.95 -27.07	38.49 3.40 -6.90	57.79 2.23 -38.38
HOLTSVILLE_IC_7 23696	108.86 0.95 -102.05	43.36 2.83 -14.34	57.69 2.65 -29.85	54.72 2.58 -27.42	52.00 2.52 -24.24	41.53 2.61 -13.38	44.39 2.46 -17.77	68.48 2.41 -45.17	48.77 4.66 -6.95	73.87 4.37 -36.79	91.63 4.70 -53.92	89.94 5.12 -48.48	171.44 5.09 -129.16	264.30 5.26 -221.32	287.58 5.08 -246.70	248.39 4.99 -209.01	369.29 33.93 -72.60	599.12 55.19 -144.89	343.79 5.15 -300.59	235.41 2.69 -209.48	161.18 3.46 -130.73	63.49 3.95 -27.07	38.49 3.40 -6.90	57.79 2.23 -38.38
HOLTSVILLE_IC_8 23697	108.86 0.95 -102.05	43.36 2.83 -14.34	57.69 2.65 -29.85	54.72 2.58 -27.42	52.00 2.52 -24.24	41.53 2.61 -13.38	44.39 2.46 -17.77	68.48 2.41 -45.17	48.77 4.66 -6.95	73.87 4.37 -36.79	91.63 4.70 -53.92	89.94 5.12 -48.48	171.44 5.09 -129.16	264.30 5.26 -221.32	287.58 5.08 -246.70	248.39 4.99 -209.01	369.29 33.93 -72.60	599.12 55.19 -144.89	343.79 5.15 -300.59	235.41 2.69 -209.48	161.18 3.46 -130.73	63.49 3.95 -27.07	38.49 3.40 -6.90	57.79 2.23 -38.38
HOLTSVILLE_IC_9 23698	108.86 0.95 -102.05	43.36 2.83 -14.34	57.69 2.65 -29.85	54.72 2.58 -27.42	52.00 2.52 -24.24	41.53 2.61 -13.38	44.39 2.46 -17.77	68.48 2.41 -45.17	48.77 4.66 -6.95	73.87 4.37 -36.79	91.63 4.70 -53.92	89.94 5.12 -48.48	171.44 5.09 -129.16	264.30 5.26 -221.32	287.58 5.08 -246.70	248.39 4.99 -209.01	369.29 33.93 -72.60	599.12 55.19 -144.89	343.79 5.15 -300.59	235.41 2.69 -209.48	161.18 3.46 -130.73	63.49 3.95 -27.07	38.49 3.40 -6.90	57.79 2.23 -38.38
HOMER_HL_115KV_TB2 355744	4.01 -0.70 1.14	24.64 -0.83 0.72	24.20 -0.98 0.00	23.68 -1.05 0.00	24.22 -1.02 0.00	24.69 -0.86 0.00	23.25 -0.91 0.00	20.44 -0.46 0.00	36.81 -0.35 0.00	32.77 0.06 0.00	32.82 -0.19 0.00	35.43 -0.91 0.00	35.88 -1.32 0.00	36.24 -1.26 0.21	34.30 -1.51 0.00	32.65 -1.56 0.19	254.43 -8.32 0.02	388.83 -15.88 -5.66	37.18 -0.87 0.00	23.27 0.03 0.00	27.17 0.19 0.00	32.43 -0.03 0.00	27.82 -0.38 0.00	16.95 -0.23 0.00
HOWARD_WT_PWR 323690	2.46 -1.03 2.37	23.48 -1.21 1.50	23.78 -1.40 0.00	23.29 -1.44 0.00	23.88 -1.35 0.00	24.08 -1.47 0.00	22.90 -1.26 0.00	20.18 -0.72 0.00	36.68 -0.48 0.00	32.90 0.19 0.00	32.80 -0.21 0.00	34.99 -1.36 -0.01	34.67 -2.52 0.00	37.83 -2.66 -2.79	33.52 -2.46 -0.16	34.50 -2.63 -2.73	245.32 -17.73 -0.29	380.00 -25.49 -6.45	37.18 -0.87 0.00	23.72 0.49 0.00	27.71 0.72 -0.01	32.95 0.47 -0.02	28.34 0.15 0.00	17.11 -0.07 0.00



HQ_GEN_CEDARS 23644	5.64 -0.21 0.00	25.33 -0.86 0.00	23.32 -0.82 1.04	-0.14 -0.83 24.03	-28.39 -0.80 52.83	-36.27 -0.85 60.96	-63.58 -0.89 86.86	19.95 -0.95 0.00	35.45 -1.72 0.00	31.29 -1.42 0.00	31.25 -1.75 0.00	34.54 -1.80 0.00	35.33 -1.86 0.00	35.80 -1.91 0.00	29.92 -1.73 4.15	-2.35 -1.82 34.92	244.89 -14.02 3.85	379.18 -19.87 0.00	36.01 -2.05 0.00	21.93 -1.31 0.00	25.62 -1.36 0.00	31.03 -1.44 0.00	26.96 -1.23 0.00	-23.40 -0.84 39.74
HQ_GEN_CEDARS_PROXY 323590	-0.43 -0.21 6.07	25.33 -0.86 0.00	23.32 -0.82 1.04	-0.14 -0.83 24.03	-28.39 -0.80 52.83	-36.27 -0.85 60.96	-63.58 -0.89 86.86	19.95 -0.95 0.00	37.14 -1.71 -1.69	31.29 -1.42 0.00	31.25 -1.76 0.00	34.54 -1.80 0.00	35.34 -1.86 0.00	35.79 -1.92 0.00	29.92 -1.73 4.15	-2.35 -1.82 34.92	244.88 -14.03 3.85	379.19 -19.86 0.00	36.00 -2.05 0.00	21.93 -1.31 0.00	25.62 -1.37 0.00	31.03 -1.44 0.00	26.96 -1.23 0.00	-22.18 -0.84 38.51
HQ_GEN_IMPORT 323601	-0.94 -0.13 6.66	25.73 -0.45 0.00	24.81 -0.40 -0.03	24.42 -0.40 -0.09	24.36 -0.38 0.50	24.96 -0.42 0.17	25.02 -0.44 -1.29	16.13 -0.56 4.20	40.28 -1.02 -4.14	31.81 -0.90 0.00	32.00 -1.01 0.00	35.29 -1.06 0.00	36.12 -1.08 0.00	36.59 -1.12 0.00	0.00 -1.06 34.75	0.00 -1.07 33.33	0.00 -7.98 254.78	268.42 -11.36 119.26	36.93 -1.13 0.00	22.51 -0.73 0.00	26.18 -0.81 0.00	31.58 -0.88 0.00	27.46 -0.73 0.00	20.67 -0.49 -3.98
HQ_GEN_WHEEL 23651	-0.94 -0.13 6.66	25.73 -0.45 0.00	24.81 -0.40 -0.03	24.42 -0.40 -0.09	24.36 -0.38 0.50	24.96 -0.42 0.17	25.02 -0.44 -1.29	16.13 -0.56 4.20	40.28 -1.02 -4.14	31.81 -0.90 0.00	32.00 -1.01 0.00	35.29 -1.06 0.00	36.12 -1.08 0.00	36.59 -1.12 0.00	0.00 -1.06 34.75	0.00 -1.07 33.33	0.00 -7.98 254.78	268.42 -11.36 119.26	36.93 -1.13 0.00	22.51 -0.73 0.00	26.18 -0.81 0.00	31.58 -0.88 0.00	27.46 -0.73 0.00	20.67 -0.49 -3.98
HUDSON AVE_GT_3 23810	106.91 0.75 -100.30	32.89 2.41 -4.29	28.29 2.26 -0.85	26.92 2.19 0.00	27.39 2.16 0.00	29.00 2.25 -1.20	43.90 2.13 -17.61	67.96 2.18 -44.89	43.15 4.03 -1.96	42.44 3.66 -6.08	39.81 4.04 -2.75	41.61 4.44 -0.82	41.58 4.38 0.00	42.25 4.54 0.00	40.77 4.41 -0.55	41.17 4.39 -2.38	294.70 31.94 0.00	478.96 48.64 -31.27	69.46 4.56 -26.85	164.29 2.42 -138.62	52.49 2.77 -22.74	46.97 3.21 -11.30	34.19 2.88 -3.12	40.50 1.83 -21.49
HUDSON AVE_GT_4 23540	106.91 0.75 -100.30	32.89 2.41 -4.29	28.29 2.26 -0.85	26.92 2.19 0.00	27.39 2.16 0.00	29.00 2.25 -1.20	43.90 2.13 -17.61	67.96 2.18 -44.89	43.15 4.03 -1.96	42.44 3.66 -6.08	39.81 4.04 -2.75	41.61 4.44 -0.82	41.58 4.38 0.00	42.25 4.54 0.00	40.77 4.41 -0.55	41.17 4.39 -2.38	294.70 31.94 0.00	478.96 48.64 -31.27	69.46 4.56 -26.85	164.29 2.42 -138.62	52.49 2.77 -22.74	46.97 3.21 -11.30	34.19 2.88 -3.12	40.50 1.83 -21.49
HUDSON AVE_GT_5 23657	106.91 0.75 -100.30	32.89 2.41 -4.29	28.29 2.26 -0.85	26.92 2.19 0.00	27.39 2.16 0.00	29.00 2.25 -1.20	43.90 2.13 -17.61	67.96 2.18 -44.89	43.15 4.03 -1.96	42.44 3.66 -6.08	39.81 4.04 -2.75	41.61 4.44 -0.82	41.58 4.38 0.00	42.25 4.54 0.00	40.77 4.41 -0.55	41.17 4.39 -2.38	294.70 31.94 0.00	478.96 48.64 -31.27	69.46 4.56 -26.85	164.29 2.42 -138.62	52.49 2.77 -22.74	46.97 3.21 -11.30	34.19 2.88 -3.12	40.50 1.83 -21.49
HUDSON_AVE_10 24168	106.91 0.76 -100.30	32.86 2.39 -4.29	28.27 2.23 -0.85	26.88 2.15 0.00	27.36 2.13 0.00	28.97 2.22 -1.20	43.86 2.09 -17.61	67.95 2.17 -44.89	43.11 3.99 -1.96	42.41 3.62 -6.08	39.76 4.00 -2.75	41.54 4.37 -0.82	41.51 4.31 0.00	42.20 4.49 0.00	40.73 4.37 -0.55	41.13 4.35 -2.38	294.42 31.66 0.00	478.36 48.04 -31.27	69.40 4.51 -26.85	164.26 2.40 -138.62	52.47 2.75 -22.74	46.97 3.20 -11.30	34.14 2.83 -3.12	40.48 1.81 -21.49
HUDSON___115KV_TB 4 355613	21.10 0.39 -14.85	28.15 1.45 -0.51	26.72 1.42 -0.12	26.19 1.46 0.00	26.71 1.47 0.00	27.19 1.47 -0.17	28.00 1.38 -2.45	28.18 1.24 -6.05	39.44 2.00 -0.27	34.05 1.35 0.00	34.37 1.35 0.00	37.76 1.42 0.00	38.70 1.50 0.00	39.40 1.69 0.00	30.25 1.72 7.27	26.61 1.72 9.51	276.20 13.44 0.00	498.90 24.75 -75.10	45.48 2.13 -5.29	51.69 1.26 -27.18	33.78 1.47 -5.33	36.97 1.72 -2.78	30.44 1.57 -0.68	21.19 1.02 -2.99
HUNTER MOUNT___DRP 323613	17.26 0.42 -10.99	28.14 1.57 -0.38	26.71 1.53 0.00	26.30 1.57 0.00	26.84 1.60 0.00	27.15 1.60 0.00	25.69 1.53 0.00	22.24 1.34 0.00	39.35 2.20 0.00	34.13 1.42 0.00	34.38 1.37 0.00	37.76 1.41 0.00	38.67 1.48 0.00	39.38 1.67 0.00	32.08 1.72 5.45	29.18 1.76 6.97	276.94 14.18 0.00	492.21 26.80 -66.36	46.45 2.13 -6.27	56.89 1.33 -32.33	34.09 1.56 -5.55	37.10 1.84 -2.80	30.48 1.65 -0.64	18.27 1.09 0.00
HUNTINGTON_RES_REC 323705	108.65 0.75 -102.05	42.85 2.32 -14.34	57.21 2.18 -29.85	54.35 2.20 -27.42	51.86 2.38 -24.24	41.39 2.46 -13.38	44.24 2.31 -17.77	68.29 2.23 -45.17	48.36 4.25 -6.95	84.00 3.99 -47.30	141.86 4.37 -104.49	137.22 4.72 -96.15	301.87 4.75 -259.93	498.87 4.99 -456.17	543.50 4.89 -502.80	492.21 4.82 -452.99	459.45 33.53 -163.16	646.40 53.55 -193.80	685.72 5.03 -642.64	406.06 2.64 -380.18	291.72 3.29 -261.44	82.75 3.71 -46.59	39.89 3.12 -8.58	58.75 2.06 -39.52
HUNTLEY___63 23557	4.34 -0.72 0.80	24.34 -1.34 0.50	23.64 -1.54 0.00	23.21 -1.52 0.00	23.54 -1.69 0.00	24.02 -1.52 0.00	22.68 -1.48 0.00	20.05 -0.85 0.00	35.69 -1.47 0.00	31.64 -1.07 0.00	31.66 -1.35 0.00	34.22 -2.12 0.00	34.70 -2.50 0.00	34.24 -2.77 0.69	33.01 -2.80 0.00	30.61 -3.09 0.69	243.15 -19.58 0.03	373.35 -30.28 -4.59	36.28 -1.77 0.00	22.64 -0.60 0.00	26.23 -0.76 0.00	31.46 -1.01 0.00	27.12 -1.07 0.00	16.61 -0.57 0.00
HUNTLEY___64 23558	4.34 -0.72 0.80	24.34 -1.34 0.50	23.64 -1.54 0.00	23.21 -1.52 0.00	23.54 -1.69 0.00	24.02 -1.52 0.00	22.68 -1.48 0.00	20.05 -0.85 0.00	35.69 -1.47 0.00	31.64 -1.07 0.00	31.66 -1.35 0.00	34.22 -2.12 0.00	34.70 -2.50 0.00	34.24 -2.77 0.69	33.01 -2.80 0.00	30.61 -3.09 0.69	243.15 -19.58 0.03	373.35 -30.28 -4.59	36.28 -1.77 0.00	22.64 -0.60 0.00	26.23 -0.76 0.00	31.46 -1.01 0.00	27.12 -1.07 0.00	16.61 -0.57 0.00
HUNTLEY___65 23559	4.34 -0.72 0.80	24.34 -1.34 0.50	23.64 -1.54 0.00	23.21 -1.52 0.00	23.54 -1.69 0.00	24.02 -1.52 0.00	22.68 -1.48 0.00	20.05 -0.85 0.00	35.69 -1.47 0.00	31.64 -1.07 0.00	31.66 -1.35 0.00	34.22 -2.12 0.00	34.70 -2.50 0.00	34.24 -2.77 0.69	33.01 -2.80 0.00	30.61 -3.09 0.69	243.15 -19.58 0.03	373.35 -30.28 -4.59	36.28 -1.77 0.00	22.64 -0.60 0.00	26.23 -0.76 0.00	31.46 -1.01 0.00	27.12 -1.07 0.00	16.61 -0.57 0.00
HUNTLEY___66 23560	4.34 -0.72 0.80	24.34 -1.34 0.50	23.64 -1.54 0.00	23.21 -1.52 0.00	23.54 -1.69 0.00	24.02 -1.52 0.00	22.68 -1.48 0.00	20.05 -0.85 0.00	35.69 -1.47 0.00	31.64 -1.07 0.00	31.66 -1.35 0.00	34.22 -2.12 0.00	34.70 -2.50 0.00	34.24 -2.77 0.69	33.01 -2.80 0.00	30.61 -3.09 0.69	243.15 -19.58 0.03	373.35 -30.28 -4.59	36.28 -1.77 0.00	22.64 -0.60 0.00	26.23 -0.76 0.00	31.46 -1.01 0.00	27.12 -1.07 0.00	16.61 -0.57 0.00



HUNTLEY___67 23561	4.28 -0.75 0.83	24.25 -1.41 0.52	23.59 -1.59 0.00	23.16 -1.57 0.00	23.51 -1.73 0.00	23.97 -1.57 0.00	22.62 -1.54 0.00	19.99 -0.91 0.00	35.62 -1.54 0.00	31.60 -1.11 0.00	31.65 -1.36 0.00	34.21 -2.13 0.00	34.69 -2.50 0.00	34.07 -2.73 0.91	33.09 -2.72 0.00	30.56 -2.97 0.87	243.95 -18.71 0.10	374.57 -29.17 -4.70	36.31 -1.75 0.00	22.65 -0.59 0.00	26.24 -0.74 0.00	31.45 -1.02 0.00	27.08 -1.11 0.00	16.56 -0.62 0.00
HUNTLEY___68 23562	4.28 -0.75 0.83	24.25 -1.41 0.52	23.59 -1.59 0.00	23.16 -1.57 0.00	23.51 -1.73 0.00	23.97 -1.57 0.00	22.62 -1.54 0.00	19.99 -0.91 0.00	35.62 -1.54 0.00	31.60 -1.11 0.00	31.65 -1.36 0.00	34.21 -2.13 0.00	34.69 -2.50 0.00	34.07 -2.73 0.91	33.09 -2.72 0.00	30.56 -2.97 0.87	243.95 -18.71 0.10	374.57 -29.17 -4.70	36.31 -1.75 0.00	22.65 -0.59 0.00	26.24 -0.74 0.00	31.45 -1.02 0.00	27.08 -1.11 0.00	16.56 -0.62 0.00
HYLAND___LFGE 323620	4.14 -0.49 1.22	24.96 -0.45 0.78	24.54 -0.64 0.00	24.02 -0.71 0.00	24.51 -0.72 0.00	24.96 -0.59 0.00	23.72 -0.45 0.00	20.89 -0.01 0.00	37.11 -0.05 0.00	32.52 -0.20 0.00	32.59 -0.42 0.00	33.88 -2.47 0.00	34.17 -3.02 0.00	38.13 -2.75 -3.17	32.47 -3.34 0.00	33.88 -3.61 -3.09	236.86 -26.23 -0.32	361.48 -42.66 -5.10	35.06 -2.99 0.00	22.40 -0.85 0.00	26.55 -0.44 0.00	33.38 0.91 0.00	28.88 0.69 0.00	17.46 0.29 0.00
INDECK___CORINTH 23802	23.66 0.52 -17.29	28.76 1.97 -0.60	26.88 1.57 -0.13	26.33 1.60 0.00	26.49 1.25 0.00	27.06 1.33 -0.18	28.30 1.44 -2.69	29.03 1.48 -6.65	40.13 2.67 -0.30	34.74 2.02 0.00	34.75 1.74 0.00	38.49 2.14 0.00	39.52 2.32 0.00	39.99 2.27 0.00	40.42 2.31 -2.30	39.90 2.36 -3.14	282.82 20.06 0.00	572.85 30.47 -143.34	44.02 1.72 -4.25	46.19 1.18 -21.76	33.19 1.44 -4.77	36.72 1.70 -2.55	30.23 1.36 -0.67	21.28 0.81 -3.29
INDECK___ILION 23567	6.00 0.14 0.00	26.81 0.62 0.00	25.75 0.58 0.02	26.04 0.58 -0.74	28.51 0.58 -2.69	28.66 0.63 -2.49	25.96 0.62 -1.18	21.47 0.58 0.00	38.13 0.97 0.00	33.45 0.74 0.00	33.69 0.68 0.00	37.09 0.74 0.00	37.98 0.79 0.00	38.59 0.87 0.00	38.55 0.91 -1.83	43.62 1.10 -8.12	273.83 9.44 -1.63	411.30 12.25 0.00	38.92 0.87 0.00	23.85 0.61 0.00	27.75 0.76 0.00	33.34 0.87 0.00	28.94 0.75 0.00	18.84 0.44 -1.22
INDECK___OLEAN 23982	3.99 -0.72 1.14	24.63 -0.83 0.72	24.19 -0.99 0.00	23.69 -1.04 0.00	24.22 -1.02 0.00	24.69 -0.86 0.00	23.26 -0.90 0.00	20.44 -0.45 0.00	36.82 -0.34 0.00	32.79 0.08 0.00	32.84 -0.17 0.00	35.47 -0.87 0.00	35.88 -1.31 0.00	36.25 -1.24 0.21	34.30 -1.51 0.00	32.67 -1.54 0.19	254.36 -8.38 0.02	389.02 -15.69 -5.66	37.20 -0.85 0.00	23.29 0.04 0.00	27.18 0.19 0.00	32.43 -0.03 0.00	27.82 -0.37 0.00	16.95 -0.23 0.00
INDECK___OSWEGO 23783	5.62 -0.24 0.00	25.53 -0.66 0.00	24.44 -0.71 0.03	22.11 -0.76 1.87	19.28 -0.76 5.20	19.45 -0.73 5.37	18.28 -0.63 5.26	20.46 -0.44 0.00	36.39 -0.77 0.00	32.12 -0.59 0.00	32.41 -0.60 0.00	35.74 -0.73 -0.13	36.47 -0.72 0.00	37.00 -0.71 0.00	34.87 -0.67 0.27	25.68 -0.72 7.99	255.72 -5.19 1.85	390.18 -8.86 0.00	37.40 -0.65 0.00	22.92 -0.32 0.00	26.66 -0.42 -0.09	32.04 -0.58 -0.16	27.57 -0.62 0.00	13.72 -0.35 3.11
INDECK___YERKES 23781	4.30 -0.76 0.80	24.38 -1.30 0.50	23.67 -1.51 0.00	23.24 -1.49 0.00	23.57 -1.67 0.00	24.05 -1.50 0.00	22.72 -1.45 0.00	20.07 -0.82 0.00	35.74 -1.41 0.00	31.68 -1.04 0.00	31.68 -1.34 0.00	34.28 -2.06 0.00	34.71 -2.49 0.00	34.26 -2.76 0.69	33.01 -2.80 0.00	30.62 -3.09 0.69	243.07 -19.66 0.03	373.53 -30.11 -4.59	36.32 -1.74 0.00	22.67 -0.57 0.00	26.24 -0.74 0.00	31.47 -0.99 0.00	27.14 -1.06 0.00	16.62 -0.56 0.00
INDIAN POINT_GT_1 24139	211.11 0.64 -204.62	42.54 1.95 -14.40	28.02 1.83 -1.00	26.51 1.78 0.00	26.99 1.75 0.00	28.78 1.82 -1.41	46.53 1.70 -20.66	73.64 1.76 -50.98	42.75 3.29 -2.30	35.70 2.99 0.00	36.38 3.37 0.00	40.07 3.73 0.00	40.93 3.73 0.00	41.60 3.89 0.00	40.11 3.77 -0.53	40.85 3.77 -2.68	290.47 27.70 0.00	472.21 42.30 -30.87	70.72 3.93 -28.74	173.67 2.15 -148.28	54.47 2.47 -25.02	47.84 2.83 -12.54	34.09 2.48 -3.42	43.95 1.56 -25.21
INDIAN POINT_GT_2 23659	211.11 0.64 -204.62	42.54 1.95 -14.40	28.02 1.83 -1.00	26.51 1.78 0.00	26.99 1.75 0.00	28.78 1.82 -1.41	46.53 1.70 -20.66	73.64 1.76 -50.98	42.75 3.29 -2.30	35.70 2.99 0.00	36.38 3.37 0.00	40.07 3.73 0.00	40.93 3.73 0.00	41.60 3.89 0.00	40.11 3.77 -0.53	40.85 3.77 -2.68	290.47 27.70 0.00	472.21 42.30 -30.87	70.72 3.93 -28.74	173.67 2.15 -148.28	54.47 2.47 -25.02	47.84 2.83 -12.54	34.09 2.48 -3.42	43.95 1.56 -25.21
INDIAN POINT_GT_3 24019	211.11 0.64 -204.62	42.54 1.95 -14.40	28.02 1.83 -1.00	26.51 1.78 0.00	26.99 1.75 0.00	28.78 1.82 -1.41	46.53 1.70 -20.66	73.64 1.76 -50.98	42.75 3.29 -2.30	35.70 2.99 0.00	36.38 3.37 0.00	40.07 3.73 0.00	40.93 3.73 0.00	41.60 3.89 0.00	40.11 3.77 -0.53	40.85 3.77 -2.68	290.47 27.70 0.00	472.21 42.30 -30.87	70.72 3.93 -28.74	173.67 2.15 -148.28	54.47 2.47 -25.02	47.84 2.83 -12.54	34.09 2.48 -3.42	43.95 1.56 -25.21
INDIAN POINT___2 23530	87.08 0.63 -80.60	28.69 1.90 -0.60	28.31 1.78 -1.35	26.46 1.73 0.00	26.94 1.70 0.00	29.21 1.76 -1.91	53.73 1.64 -27.93	91.53 1.72 -68.92	43.47 3.20 -3.11	35.64 2.92 0.00	36.33 3.32 0.00	40.01 3.67 0.00	40.87 3.67 0.00	41.53 3.82 0.00	40.02 3.70 -0.51	41.06 3.70 -2.96	290.03 27.26 0.00	470.77 41.41 -30.32	72.64 3.84 -30.74	183.85 2.10 -158.50	56.89 2.42 -27.49	49.13 2.77 -13.89	34.51 2.42 -3.90	52.79 1.53 -34.09
INDIAN POINT___3 23531	95.21 0.62 -88.74	30.71 1.90 -2.63	27.99 1.79 -1.03	26.47 1.73 0.00	26.94 1.70 0.00	28.76 1.76 -1.45	47.02 1.65 -21.20	74.93 1.72 -52.31	42.71 3.19 -2.36	35.62 2.91 0.00	36.30 3.29 0.00	39.98 3.63 0.00	40.84 3.64 0.00	41.49 3.78 0.00	40.01 3.67 -0.53	40.76 3.67 -2.69	289.68 26.91 0.00	471.04 41.10 -30.90	70.67 3.81 -28.80	173.95 2.08 -148.62	54.47 2.40 -25.08	47.79 2.75 -12.58	34.04 2.41 -3.44	44.56 1.51 -25.87
INGHAM_C_115KV_TB7 356103	6.09 0.23 0.00	27.28 1.09 0.00	26.19 1.02 0.02	26.48 1.01 -0.74	28.95 1.03 -2.69	29.15 1.12 -2.49	26.43 1.08 -1.18	21.86 0.97 0.00	38.71 1.55 0.00	33.84 1.13 0.00	33.95 0.94 0.00	37.38 1.04 0.00	38.32 1.12 0.00	39.01 1.30 0.00	39.07 1.43 -1.83	44.36 1.84 -8.12	281.26 16.86 -1.63	420.22 21.18 0.00	39.37 1.31 0.00	24.24 1.00 0.00	28.29 1.31 0.00	33.96 1.50 0.00	29.49 1.30 0.00	19.16 0.76 -1.22
IP CORINTH___1 23988	23.66 0.52 -17.29	28.77 1.99 -0.60	26.94 1.63 -0.13	26.40 1.67 0.00	26.63 1.39 0.00	27.20 1.47 -0.18	28.43 1.58 -2.69	29.14 1.60 -6.65	40.34 2.88 -0.30	34.92 2.21 0.00	34.94 1.94 0.00	38.69 2.34 0.00	39.72 2.52 0.00	40.20 2.49 0.00	40.62 2.51 -2.30	40.08 2.54 -3.14	284.22 21.46 0.00	574.85 32.47 -143.34	44.25 1.95 -4.25	46.32 1.31 -21.76	33.35 1.59 -4.77	36.91 1.90 -2.55	30.39 1.53 -0.67	21.38 0.91 -3.29



IP__TICONDEROGA 23804	23.80 0.54 -17.41	29.17 2.39 -0.60	27.56 2.25 -0.13	27.18 2.45 0.00	27.60 2.37 0.00	28.17 2.44 -0.18	29.73 2.86 -2.71	30.65 3.06 -6.69	42.68 5.22 -0.30	36.58 3.87 0.00	36.65 3.64 0.00	40.87 4.53 0.00	42.08 4.89 0.00	42.67 4.96 0.00	43.20 4.99 -2.40	42.66 4.98 -3.28	302.26 39.50 0.00	608.12 66.79 -142.28	45.99 3.63 -4.30	47.64 2.35 -22.05	34.29 2.48 -4.83	38.49 3.43 -2.59	31.82 2.95 -0.68	21.95 1.47 -3.31
ISLIP_RES_REC 323679	108.90 0.99 -102.05	43.54 3.01 -14.34	57.85 2.81 -29.85	54.87 2.73 -27.42	52.15 2.67 -24.24	41.69 2.76 -13.38	44.56 2.63 -17.77	68.64 2.57 -45.17	49.09 4.98 -6.95	73.89 4.68 -36.50	88.62 5.04 -50.57	87.15 5.49 -45.32	163.24 5.50 -120.55	249.70 5.69 -206.29	271.67 5.51 -230.35	233.19 5.39 -193.41	369.82 37.17 -69.88	603.69 60.12 -144.53	322.26 5.61 -278.59	229.89 2.97 -203.68	152.98 3.75 -122.24	62.51 4.26 -25.78	38.63 3.65 -6.79	57.90 2.37 -38.35
JAMAICA__27_KV_LOAD 355505	106.96 0.81 -100.30	33.14 2.67 -4.29	28.52 2.48 -0.85	27.10 2.37 0.00	27.58 2.35 0.00	29.20 2.45 -1.20	44.07 2.30 -17.61	68.20 2.41 -44.89	43.53 4.41 -1.96	42.78 3.99 -6.08	40.12 4.35 -2.75	41.87 4.70 -0.82	41.87 4.68 0.00	42.65 4.94 0.00	41.16 4.80 -0.55	41.55 4.77 -2.38	297.55 34.79 0.00	483.05 52.74 -31.27	69.86 4.96 -26.85	164.57 2.70 -138.62	52.85 3.13 -22.74	47.48 3.72 -11.30	34.52 3.22 -3.12	40.68 2.02 -21.49
JANIS__SOLAR 323808	8.13 -0.10 -2.38	28.55 0.85 -1.50	25.92 0.74 0.00	25.38 0.65 0.00	26.01 0.77 0.00	26.57 1.02 0.00	25.25 1.09 0.00	21.99 1.09 0.00	39.07 1.92 0.00	34.42 1.71 0.00	34.58 1.57 0.00	37.72 1.36 -0.03	38.38 1.19 0.00	39.03 1.14 -0.19	37.37 1.22 -0.34	35.87 1.29 -0.18	274.39 11.61 -0.02	425.70 15.66 -11.00	39.58 1.53 0.00	24.66 1.41 0.00	28.95 1.95 -0.02	34.74 2.24 -0.03	29.90 1.71 0.00	18.17 0.99 0.00
JARVIS____ 23743	5.92 0.06 0.00	26.42 0.24 0.00	25.39 0.23 0.02	25.69 0.22 -0.74	28.16 0.22 -2.69	28.26 0.23 -2.49	25.59 0.24 -1.18	21.15 0.25 0.00	37.61 0.45 0.00	33.08 0.37 0.00	33.40 0.39 0.00	36.75 0.40 0.00	37.61 0.41 0.00	38.15 0.44 0.00	38.05 0.41 -1.83	42.97 0.45 -8.12	267.63 3.24 -1.63	403.68 4.64 0.00	38.46 0.40 0.00	23.48 0.24 0.00	27.26 0.27 0.00	32.79 0.33 0.00	28.47 0.28 0.00	18.58 0.18 -1.22
JENNISON__1 23625	6.05 -0.38 -0.57	27.23 0.68 -0.36	25.83 0.65 0.00	25.24 0.51 0.00	25.93 0.70 0.00	26.78 1.23 0.00	25.43 1.26 0.00	22.13 1.24 0.00	39.36 2.20 0.00	34.75 2.03 0.00	34.98 1.97 0.00	38.24 1.88 -0.02	38.63 1.44 0.00	38.78 1.07 0.00	37.06 1.02 -0.24	35.43 1.03 0.00	272.66 9.90 0.00	428.65 13.19 -16.42	39.48 1.13 -0.30	25.86 1.04 -1.58	28.68 1.62 -0.07	34.55 2.06 -0.02	29.91 1.72 0.00	18.22 1.04 0.00
JENNISON__2 23626	6.05 -0.38 -0.57	27.23 0.68 -0.36	25.83 0.65 0.00	25.24 0.51 0.00	25.93 0.70 0.00	26.78 1.23 0.00	25.43 1.26 0.00	22.13 1.24 0.00	39.36 2.20 0.00	34.75 2.03 0.00	34.98 1.97 0.00	38.24 1.88 -0.02	38.63 1.44 0.00	38.78 1.07 0.00	37.06 1.02 -0.24	35.43 1.03 0.00	272.66 9.90 0.00	428.65 13.19 -16.42	39.48 1.13 -0.30	25.86 1.04 -1.58	28.68 1.62 -0.07	34.55 2.06 -0.02	29.91 1.72 0.00	18.22 1.04 0.00
JERICO_RISE_WT_PWR 323719	5.73 -0.12 0.00	25.78 -0.40 0.00	24.71 -0.40 0.07	21.07 -0.42 3.24	16.30 -0.29 8.65	15.93 -0.51 9.10	13.97 -0.57 9.62	20.17 -0.73 0.00	35.90 -1.26 0.00	31.59 -1.12 0.00	31.54 -1.48 0.00	34.79 -1.55 0.00	35.64 -1.55 0.00	36.12 -1.59 0.00	31.36 -1.48 2.97	1.80 -1.52 31.07	249.32 -10.68 2.76	383.40 -15.65 0.00	36.42 -1.63 0.00	22.22 -1.02 0.00	25.93 -1.06 0.00	31.42 -1.05 0.00	27.46 -0.74 0.00	11.01 -0.74 5.43
KATONAH__115KV_46KV_TB4 355592	82.33 0.66 -75.81	31.47 2.12 -3.17	27.69 1.98 -0.52	26.66 1.93 0.00	27.14 1.91 0.00	28.25 1.97 -0.73	36.79 1.87 -10.75	49.35 1.93 -26.53	41.95 3.59 -1.20	35.97 3.26 0.00	36.64 3.63 0.00	40.39 4.04 0.00	41.31 4.11 0.00	42.02 4.31 0.00	40.56 4.20 -0.55	40.56 4.21 -1.96	293.84 31.08 0.00	478.11 47.23 -31.83	66.07 4.41 -23.61	147.76 2.44 -122.08	48.71 2.78 -18.95	44.91 3.19 -9.25	33.45 2.76 -2.50	32.01 1.70 -13.12
KCE_NY_1 323755	23.92 0.49 -17.58	28.59 1.79 -0.61	26.95 1.63 -0.13	26.36 1.63 0.00	26.84 1.60 0.00	27.38 1.65 -0.19	28.55 1.65 -2.73	29.21 1.57 -6.74	40.24 2.78 -0.30	34.90 2.19 0.00	35.06 2.04 0.00	38.76 2.41 0.00	39.78 2.58 0.00	40.34 2.63 0.00	40.99 2.63 -2.55	40.48 2.60 -3.48	284.21 21.45 0.00	572.88 32.94 -140.89	44.86 2.48 -4.32	46.96 1.59 -22.12	33.73 1.90 -4.84	37.30 2.23 -2.60	30.78 1.90 -0.68	21.62 1.11 -3.33
KCE_NY_6_ESR 323823	4.24 -0.71 0.90	24.55 -1.07 0.57	23.90 -1.28 0.00	23.44 -1.29 0.00	23.81 -1.43 0.00	24.27 -1.27 0.00	22.93 -1.23 0.00	20.30 -0.60 0.00	36.27 -0.89 0.00	32.22 -0.50 0.00	32.25 -0.76 0.00	34.89 -1.45 0.00	35.29 -1.91 0.00	34.72 -2.07 0.91	33.68 -2.13 0.00	31.19 -2.32 0.89	248.66 -14.01 0.09	382.05 -21.94 -4.95	37.06 -1.00 0.00	23.15 -0.09 0.00	26.87 -0.12 0.00	32.10 -0.36 0.00	27.63 -0.57 0.00	16.83 -0.34 0.00
KEDC_PORT_JEFF_GT2 24210	108.86 0.96 -102.05	43.30 2.77 -14.34	57.62 2.59 -29.85	54.65 2.50 -27.42	51.92 2.43 -24.24	41.45 2.52 -13.38	44.31 2.38 -17.77	68.39 2.32 -45.17	48.58 4.47 -6.95	74.38 4.18 -37.50	95.70 4.45 -58.24	93.57 4.68 -52.55	182.12 4.63 -140.29	283.57 4.80 -241.06	308.65 4.64 -268.20	268.47 4.57 -229.50	372.06 31.15 -78.15	597.27 50.85 -147.37	372.24 4.78 -329.41	247.05 2.45 -221.35	171.88 3.11 -141.79	64.76 3.56 -28.74	38.31 3.09 -7.04	57.78 2.14 -38.46
KEDC_PORT_JEFF_GT3 24211	108.86 0.96 -102.05	43.30 2.77 -14.34	57.62 2.59 -29.85	54.65 2.50 -27.42	51.92 2.43 -24.24	41.45 2.52 -13.38	44.31 2.38 -17.77	68.39 2.32 -45.17	48.58 4.47 -6.95	74.38 4.18 -37.50	95.70 4.45 -58.24	93.57 4.68 -52.55	182.12 4.63 -140.29	283.57 4.80 -241.06	308.65 4.64 -268.20	268.47 4.57 -229.50	372.06 31.15 -78.15	597.27 50.85 -147.37	372.24 4.78 -329.41	247.05 2.45 -221.35	171.88 3.11 -141.79	64.76 3.56 -28.74	38.31 3.09 -7.04	57.78 2.14 -38.46
KEDC_GLWD_GT4 24219	108.72 0.81 -102.05	43.02 2.49 -14.34	57.57 2.54 -29.85	54.61 2.46 -27.42	51.91 2.43 -24.24	41.44 2.52 -13.38	44.28 2.35 -17.77	68.38 2.31 -45.17	48.51 4.40 -6.95	55.49 3.83 -18.94	53.67 4.24 -16.42	54.19 4.72 -13.12	82.90 4.78 -40.93	188.59 5.00 -145.88	213.06 4.83 -172.42	173.71 4.77 -134.55	548.32 34.25 -251.31	1003.87 53.32 -551.50	213.24 4.96 -170.23	221.01 2.66 -195.11	94.48 3.14 -64.35	48.66 3.58 -12.62	36.82 3.10 -5.54	55.58 1.95 -36.45
KEDC_GLWD_GT5 24220	108.72 0.81 -102.05	43.02 2.49 -14.34	57.57 2.54 -29.85	54.61 2.46 -27.42	51.91 2.43 -24.24	41.44 2.52 -13.38	44.28 2.35 -17.77	68.38 2.31 -45.17	48.51 4.40 -6.95	55.49 3.83 -18.94	53.67 4.24 -16.42	54.19 4.72 -13.12	82.90 4.78 -40.93	188.59 5.00 -145.88	213.06 4.83 -172.42	173.71 4.77 -134.55	548.32 34.25 -251.31	1003.87 53.32 -551.50	213.24 4.96 -170.23	221.01 2.66 -195.11	94.48 3.14 -64.35	48.66 3.58 -12.62	36.82 3.10 -5.54	55.58 1.95 -36.45



KENSICO____ 23655	110.41 0.66 -103.90	32.74 2.06 -4.50	28.03 1.94 -0.91	26.61 1.88 0.00	27.09 1.85 0.00	28.75 1.92 -1.28	44.75 1.81 -18.79	69.11 1.87 -46.35	42.73 3.48 -2.09	35.85 3.14 0.00	36.53 3.52 0.00	40.22 3.88 0.00	41.07 3.87 0.00	41.75 4.04 0.00	40.27 3.91 -0.55	40.77 3.91 -2.47	291.50 28.73 0.00	473.98 43.74 -31.20	69.46 4.07 -27.34	166.60 2.22 -141.14	52.85 2.54 -23.32	47.01 2.93 -11.62	33.97 2.58 -3.20	41.73 1.62 -22.92
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	-8.99 0.60 15.44	27.54 1.89 0.53	26.93 1.75 0.00	26.40 1.67 0.00	26.88 1.65 0.00	27.25 1.70 0.00	25.80 1.63 0.00	22.62 1.73 0.00	40.53 3.37 0.00	35.79 3.08 0.00	36.48 3.47 0.00	40.22 3.88 0.00	41.11 3.91 0.00	41.57 3.86 0.00	39.18 3.72 0.35	38.25 3.76 -0.09	291.85 29.09 0.00	475.89 43.95 -32.89	51.58 4.14 -9.39	74.61 2.43 -48.94	34.84 2.80 -5.06	37.92 3.40 -2.05	31.20 2.83 -0.18	18.83 1.66 0.00
KIAC_JFK_GT1 23816	106.91 0.76 -100.30	32.86 2.38 -4.29	28.25 2.21 -0.85	26.84 2.11 0.00	27.32 2.09 0.00	28.93 2.18 -1.20	43.82 2.05 -17.61	67.96 2.18 -44.89	43.11 3.99 -1.96	42.41 3.62 -6.08	39.73 3.96 -2.75	41.44 4.27 -0.82	41.44 4.25 0.00	42.19 4.48 0.00	40.72 4.36 -0.55	41.14 4.35 -2.38	294.30 31.54 0.00	478.22 47.90 -31.27	69.37 4.47 -26.85	164.27 2.41 -138.62	52.50 2.78 -22.74	47.06 3.29 -11.30	34.17 2.86 -3.12	40.48 1.81 -21.49
KIAC_JFK_GT2 23817	106.91 0.76 -100.30	32.86 2.38 -4.29	28.25 2.21 -0.85	26.84 2.11 0.00	27.32 2.09 0.00	28.93 2.18 -1.20	43.82 2.05 -17.61	67.96 2.18 -44.89	43.11 3.99 -1.96	42.41 3.62 -6.08	39.73 3.96 -2.75	41.44 4.27 -0.82	41.44 4.25 0.00	42.19 4.48 0.00	40.72 4.36 -0.55	41.14 4.35 -2.38	294.30 31.54 0.00	478.22 47.90 -31.27	69.37 4.47 -26.85	164.27 2.41 -138.62	52.50 2.78 -22.74	47.06 3.29 -11.30	34.17 2.86 -3.12	40.48 1.81 -21.49
KIAC_JFK____ 323774	106.92 0.77 -100.30	32.86 2.38 -4.29	28.24 2.21 -0.85	26.84 2.11 0.00	27.32 2.09 0.00	28.93 2.18 -1.20	43.82 2.05 -17.61	67.96 2.18 -44.89	43.11 3.99 -1.96	42.41 3.62 -6.08	39.73 3.96 -2.75	41.43 4.26 -0.82	41.44 4.24 0.00	42.19 4.48 0.00	40.71 4.35 -0.55	41.13 4.35 -2.38	294.32 31.56 0.00	478.20 47.88 -31.27	69.36 4.46 -26.85	164.27 2.40 -138.62	52.50 2.78 -22.74	47.07 3.30 -11.30	34.17 2.86 -3.12	40.48 1.81 -21.49
KINTIGH____ 23543	4.61 -0.63 0.62	24.52 -1.27 0.39	23.77 -1.41 0.00	23.35 -1.38 0.00	23.72 -1.52 0.00	24.18 -1.37 0.00	22.82 -1.34 0.00	20.10 -0.80 0.00	35.78 -1.38 0.00	31.71 -1.00 0.00	31.79 -1.22 0.00	34.44 -1.90 0.00	35.10 -2.10 0.00	34.84 -2.41 0.46	33.39 -2.42 0.00	31.23 -2.71 0.45	245.27 -17.44 0.06	371.81 -27.23 0.00	36.33 -1.72 0.00	22.59 -0.65 0.00	26.11 -0.88 0.00	31.46 -1.01 0.00	27.13 -1.06 0.00	16.58 -0.60 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	5.82 -0.04 0.00	26.24 0.05 0.00	25.21 0.05 0.02	22.86 0.00 1.87	19.86 0.14 5.51	19.93 -0.06 5.56	19.17 -0.12 4.87	20.57 -0.32 0.00	36.64 -0.52 0.00	32.05 -0.66 0.00	31.85 -1.16 0.00	34.99 -1.35 0.00	35.81 -1.39 0.00	36.37 -1.34 0.00	32.02 -1.26 2.52	3.37 -1.40 29.63	250.51 -9.91 2.34	385.02 -14.02 0.00	36.60 -1.45 0.00	22.37 -0.87 0.00	26.15 -0.84 0.00	31.76 -0.70 0.00	27.98 -0.21 0.00	13.59 -0.43 3.17
LACHUTE____HYDRO 323717	23.80 0.54 -17.41	29.18 2.39 -0.60	27.56 2.25 -0.13	27.18 2.45 0.00	27.60 2.37 0.00	28.17 2.44 -0.18	29.73 2.85 -2.71	30.65 3.06 -6.69	42.68 5.22 -0.30	36.58 3.87 0.00	36.65 3.64 0.00	40.87 4.53 0.00	42.08 4.89 0.00	42.67 4.96 0.00	43.20 4.99 -2.40	42.66 4.98 -3.28	302.25 39.49 0.00	608.13 66.80 -142.28	45.99 3.63 -4.30	47.64 2.35 -22.05	34.29 2.48 -4.83	38.49 3.43 -2.59	31.82 2.95 -0.68	21.95 1.46 -3.31
LAWRNCV_115KV_TB1 80681	5.56 -0.29 0.00	24.98 -1.21 0.00	23.17 -1.20 0.81	2.25 -1.24 21.24	-25.03 -1.15 49.12	-30.95 -1.21 55.29	-50.51 -1.20 73.48	19.71 -1.19 0.00	35.02 -2.14 0.00	30.90 -1.81 0.00	30.84 -2.17 0.00	34.07 -2.27 0.00	34.85 -2.35 0.00	35.34 -2.37 0.00	26.21 -2.11 7.49	-13.48 -2.16 45.73	239.15 -16.67 6.94	375.57 -23.47 0.00	35.53 -2.52 0.00	21.64 -1.61 0.00	25.33 -1.66 -0.01	30.69 -1.79 -0.01	26.59 -1.61 0.00	-19.18 -1.13 35.23
LEDERLE____ 23769	-118.16 0.65 124.66	22.66 2.00 5.53	25.81 1.87 1.24	26.54 1.81 0.00	27.01 1.78 0.00	25.63 1.84 1.75	0.21 1.70 25.66	-40.64 1.78 63.31	37.64 3.34 2.86	35.79 3.08 0.00	36.54 3.53 0.00	40.27 3.93 0.00	41.16 3.96 0.00	41.83 4.12 0.00	40.28 3.99 -0.49	42.48 3.99 -4.10	292.37 29.61 0.00	473.92 45.04 -29.84	81.11 4.16 -38.90	225.81 2.30 -200.27	66.50 2.65 -36.86	54.44 3.03 -18.94	32.89 2.60 -2.11	-12.52 1.61 31.32
LIGHTHSE_115KV_TB6 355974	5.63 -0.23 0.00	25.67 -0.52 0.00	24.47 -0.64 0.08	18.82 -0.76 5.16	10.00 -0.62 14.62	9.98 -0.59 14.98	9.55 -0.46 14.15	20.68 -0.22 0.00	36.82 -0.34 0.00	32.50 -0.21 0.00	32.70 -0.31 0.00	35.97 -0.44 -0.07	36.79 -0.41 0.00	37.39 -0.31 0.00	30.31 -0.38 5.12	8.70 -0.55 25.14	254.56 -2.62 5.58	395.38 -3.67 0.00	37.61 -0.44 0.00	22.98 -0.26 0.00	26.76 -0.28 -0.05	32.09 -0.47 -0.09	27.51 -0.68 0.00	8.06 -0.47 8.65
LINDEN COGEN____ 23786	46.35 0.73 -39.77	32.69 2.21 -4.29	28.10 2.07 -0.85	26.74 2.01 0.00	27.21 1.97 0.00	28.81 2.06 -1.20	36.77 1.91 -10.70	43.90 1.99 -21.01	42.80 3.68 -1.96	42.17 3.38 -6.08	39.55 3.78 -2.75	41.34 4.17 -0.82	41.29 4.09 0.00	41.93 4.22 0.00	40.44 4.08 -0.55	40.84 4.06 -2.38	292.31 29.55 0.00	475.07 44.76 -31.27	69.13 4.23 -26.85	103.01 2.17 -77.60	48.20 2.50 -18.71	46.17 2.89 -10.81	33.95 2.64 -3.12	32.04 1.70 -13.16
LINDHRST_69_KV_BK1 356055	108.83 0.92 -102.05	43.33 2.80 -14.34	57.72 2.68 -29.85	54.76 2.62 -27.42	52.07 2.59 -24.24	41.59 2.67 -13.38	44.44 2.51 -17.77	68.51 2.45 -45.17	48.79 4.68 -6.95	60.31 4.34 -23.26	57.28 4.69 -19.57	57.55 5.12 -16.09	83.71 5.11 -41.40	116.93 5.33 -73.89	127.90 5.19 -86.90	95.85 5.14 -56.31	360.68 36.49 -61.42	628.38 58.09 -171.25	126.87 5.47 -83.35	181.83 2.93 -155.66	76.17 3.50 -45.68	50.29 4.00 -13.83	37.34 3.47 -5.68	56.31 2.22 -36.91
LIPA_MISC_IPP 23656	108.83 0.92 -102.05	43.21 2.68 -14.34	57.54 2.50 -29.85	54.57 2.43 -27.42	51.88 2.41 -24.24	41.40 2.47 -13.38	44.28 2.35 -17.77	68.39 2.32 -45.17	48.62 4.51 -6.95	72.87 4.24 -35.91	89.28 4.57 -51.70	87.73 5.00 -46.38	165.50 4.95 -123.35	253.24 5.16 -210.37	275.53 5.02 -234.70	236.88 4.89 -197.60	359.89 33.16 -63.97	593.39 55.22 -139.12	328.17 5.35 -284.77	222.17 2.69 -196.24	155.14 3.37 -124.79	62.51 3.84 -26.21	38.29 3.28 -6.82	57.61 2.15 -38.28
LISF____SOLAR 323691	108.84 0.93 -102.05	43.29 2.76 -14.34	57.61 2.57 -29.85	54.64 2.50 -27.42	51.96 2.48 -24.24	41.48 2.55 -13.38	44.36 2.43 -17.77	68.45 2.39 -45.17	48.74 4.62 -6.95	73.16 4.34 -36.11	89.90 4.68 -52.21	88.32 5.11 -46.86	166.94 5.07 -124.68	255.87 5.29 -212.87	278.39 5.15 -237.44	239.60 5.01 -200.20	362.86 34.21 -65.89	596.35 56.91 -140.40	331.97 5.53 -288.38	225.24 2.81 -199.19	156.63 3.50 -126.15	62.87 3.99 -26.41	38.43 3.40 -6.84	57.70 2.22 -38.30



LITTLE FALLS___HYD 24013	6.09 0.23 0.00	27.28 1.09 0.00	26.19 1.02 0.02	26.48 1.01 -0.74	28.95 1.03 -2.69	29.15 1.12 -2.49	26.43 1.08 -1.18	21.86 0.97 0.00	38.71 1.55 0.00	33.84 1.13 0.00	33.95 0.94 0.00	37.38 1.04 0.00	38.32 1.12 0.00	39.01 1.30 0.00	39.07 1.43 -1.83	44.36 1.84 -8.12	281.26 16.86 -1.63	420.22 21.18 0.00	39.37 1.31 0.00	24.24 1.00 0.00	28.29 1.31 0.00	33.96 1.50 0.00	29.49 1.30 0.00	19.16 0.76 -1.22
LITTLRIV_115KV_TB1 356100	5.63 -0.22 0.00	25.30 -0.88 0.00	23.51 -0.90 0.78	3.01 -0.94 20.79	-24.10 -0.83 48.51	-29.68 -0.87 54.36	-47.99 -0.87 71.28	19.96 -0.93 0.00	35.43 -1.73 0.00	31.19 -1.52 0.00	31.15 -1.86 0.00	34.41 -1.95 -0.01	35.15 -2.05 0.00	35.71 -2.00 0.00	26.36 -1.54 7.92	-14.72 -1.62 47.49	242.12 -13.20 7.44	380.65 -18.40 0.00	35.90 -2.16 0.00	21.91 -1.33 0.00	25.75 -1.25 -0.01	31.20 -1.27 -0.01	27.00 -1.19 0.00	-18.21 -0.89 34.50
LI_NEWBRDGE___DRP 323616	108.69 0.78 -102.05	42.86 2.33 -14.34	57.25 2.22 -29.85	54.31 2.16 -27.42	51.63 2.15 -24.24	41.14 2.22 -13.38	44.00 2.07 -17.77	68.10 2.04 -45.17	47.98 3.87 -6.95	55.20 3.55 -18.94	53.34 3.91 -16.42	53.76 4.29 -13.12	72.72 4.28 -31.24	78.75 4.48 -36.56	84.50 4.34 -44.35	55.31 4.29 -16.62	301.02 30.33 -7.93	515.48 47.87 -68.57	76.21 4.46 -33.69	167.48 2.35 -141.89	60.31 2.81 -30.52	48.30 3.22 -12.61	36.54 2.81 -5.54	55.44 1.82 -36.44
LOCKPORT_115KV_TB60_63_64 80432	4.36 -0.76 0.73	24.18 -1.54 0.46	23.46 -1.72 0.00	23.04 -1.68 0.00	23.37 -1.87 0.00	23.85 -1.70 0.00	22.52 -1.65 0.00	19.89 -1.01 0.00	35.38 -1.78 0.00	31.39 -1.32 0.00	31.40 -1.61 0.00	33.89 -2.46 0.00	34.50 -2.72 -0.02	34.19 -3.07 0.46	32.72 -3.09 0.00	30.50 -3.40 0.50	240.66 -22.13 -0.02	369.58 -33.82 -4.36	35.95 -2.10 0.00	22.45 -0.79 0.00	26.00 -0.98 0.00	31.27 -1.20 0.00	26.94 -1.25 0.00	16.47 -0.71 0.00
LOCKPORT___CC1 323769	4.29 -0.82 0.74	24.06 -1.66 0.47	23.35 -1.83 0.00	22.94 -1.79 0.00	23.27 -1.97 0.00	23.73 -1.81 0.00	22.42 -1.75 0.00	19.80 -1.09 0.00	35.24 -1.92 0.00	31.26 -1.45 0.00	31.27 -1.74 0.00	33.77 -2.57 0.00	34.22 -2.91 0.06	33.05 -3.23 1.43	32.53 -3.27 0.01	29.61 -3.55 1.24	238.80 -23.54 0.43	367.72 -35.68 -4.35	35.79 -2.27 0.00	22.36 -0.89 0.00	25.87 -1.11 0.00	31.11 -1.35 0.00	26.82 -1.37 0.00	16.39 -0.79 0.00
LOCKPORT___CC2 323770	4.29 -0.82 0.74	24.06 -1.66 0.47	23.35 -1.83 0.00	22.94 -1.79 0.00	23.27 -1.97 0.00	23.73 -1.81 0.00	22.42 -1.75 0.00	19.80 -1.09 0.00	35.24 -1.92 0.00	31.26 -1.45 0.00	31.27 -1.74 0.00	33.77 -2.57 0.00	34.22 -2.91 0.06	33.05 -3.23 1.43	32.53 -3.27 0.01	29.61 -3.55 1.24	238.80 -23.54 0.43	367.72 -35.68 -4.35	35.79 -2.27 0.00	22.36 -0.89 0.00	25.87 -1.11 0.00	31.11 -1.35 0.00	26.82 -1.37 0.00	16.39 -0.79 0.00
LOCKPORT___CC3 323771	4.29 -0.82 0.74	24.06 -1.66 0.47	23.35 -1.83 0.00	22.94 -1.79 0.00	23.27 -1.97 0.00	23.73 -1.81 0.00	22.42 -1.75 0.00	19.80 -1.09 0.00	35.24 -1.92 0.00	31.26 -1.45 0.00	31.27 -1.74 0.00	33.77 -2.57 0.00	34.22 -2.91 0.06	33.05 -3.23 1.43	32.53 -3.27 0.01	29.61 -3.55 1.24	238.80 -23.54 0.43	367.72 -35.68 -4.35	35.79 -2.27 0.00	22.36 -0.89 0.00	25.87 -1.11 0.00	31.11 -1.35 0.00	26.82 -1.37 0.00	16.39 -0.79 0.00
LONG_LAKE_PHOENIX 24014	5.68 -0.17 0.00	25.71 -0.48 0.00	24.63 -0.53 0.02	22.95 -0.55 1.23	21.32 -0.56 3.36	21.51 -0.53 3.50	20.14 -0.46 3.57	20.63 -0.27 0.00	36.70 -0.46 0.00	32.40 -0.31 0.00	32.70 -0.31 0.00	36.04 -0.41 -0.10	36.80 -0.40 0.00	37.32 -0.39 0.00	35.62 -0.29 -0.10	29.17 -0.38 4.85	258.80 -2.86 1.10	393.72 -5.32 0.00	37.76 -0.29 0.00	23.17 -0.07 0.00	26.92 -0.14 -0.07	32.34 -0.25 -0.12	27.86 -0.33 0.00	14.97 -0.17 2.04
LOVETT___3 23632	-121.15 0.61 127.61	22.38 1.84 5.64	25.62 1.73 1.29	26.41 1.68 0.00	26.89 1.65 0.00	25.43 1.70 1.82	-0.98 1.57 26.71	-43.36 1.65 65.91	37.26 3.08 2.98	35.54 2.83 0.00	36.26 3.25 0.00	39.95 3.60 0.00	40.81 3.61 0.00	41.47 3.76 0.00	39.94 3.64 -0.49	41.71 3.64 -3.67	289.65 26.89 0.00	469.95 40.96 -29.95	77.65 3.79 -35.80	209.73 2.07 -184.41	62.69 2.38 -33.33	52.22 2.72 -17.04	32.28 2.35 -1.73	-13.94 1.48 32.60
LOVETT___4 23642	-121.15 0.61 127.61	22.38 1.84 5.64	25.62 1.73 1.29	26.41 1.68 0.00	26.89 1.65 0.00	25.43 1.70 1.82	-0.98 1.57 26.71	-43.36 1.65 65.91	37.26 3.08 2.98	35.54 2.83 0.00	36.26 3.25 0.00	39.95 3.60 0.00	40.81 3.61 0.00	41.47 3.76 0.00	39.94 3.64 -0.49	41.71 3.64 -3.67	289.65 26.89 0.00	469.95 40.96 -29.95	77.65 3.79 -35.80	209.73 2.07 -184.41	62.69 2.38 -33.33	52.22 2.72 -17.04	32.28 2.35 -1.73	-13.94 1.48 32.60
LOVETT___5 23593	-121.15 0.61 127.61	22.38 1.84 5.64	25.62 1.73 1.29	26.41 1.68 0.00	26.89 1.65 0.00	25.43 1.70 1.82	-0.98 1.57 26.71	-43.36 1.65 65.91	37.26 3.08 2.98	35.54 2.83 0.00	36.26 3.25 0.00	39.95 3.60 0.00	40.81 3.61 0.00	41.47 3.76 0.00	39.94 3.64 -0.49	41.71 3.64 -3.67	289.65 26.89 0.00	469.95 40.96 -29.95	77.65 3.79 -35.80	209.73 2.07 -184.41	62.69 2.38 -33.33	52.22 2.72 -17.04	32.28 2.35 -1.73	-13.94 1.48 32.60
LOWER RAQUET___HYD 24057	5.54 -0.32 0.00	24.86 -1.33 0.00	23.12 -1.32 0.74	3.01 -1.37 20.36	-23.97 -1.27 47.94	-29.26 -1.32 53.49	-46.36 -1.31 69.22	19.63 -1.27 0.00	34.90 -2.26 0.00	30.77 -1.94 0.00	30.71 -2.30 0.00	33.92 -2.43 -0.01	34.69 -2.50 0.00	35.19 -2.52 0.00	25.16 -2.23 8.42	-17.03 -2.26 49.16	237.35 -17.49 7.92	374.32 -24.73 0.00	35.37 -2.68 0.00	21.54 -1.70 0.00	25.24 -1.75 -0.01	30.58 -1.90 -0.01	26.46 -1.73 0.00	-17.84 -1.21 33.80
LOWER___HUDSON 24059	25.55 0.40 -19.30	28.17 1.32 -0.67	26.59 1.26 -0.14	26.05 1.32 0.00	26.55 1.32 0.00	27.09 1.34 -0.20	28.42 1.30 -2.96	29.44 1.25 -7.30	39.68 2.19 -0.33	34.36 1.65 0.00	34.63 1.62 0.00	38.23 1.88 0.00	39.21 2.02 0.00	39.81 2.10 0.00	42.11 2.08 -4.22	42.24 2.07 -5.76	278.16 15.40 0.00	546.63 24.51 -123.08	44.79 2.03 -4.71	48.60 1.23 -24.13	33.75 1.48 -5.28	37.03 1.74 -2.83	30.49 1.55 -0.75	21.71 0.92 -3.61
LOWVILLE_115KV_TB2 356335	5.74 -0.12 0.00	25.94 -0.25 0.00	24.54 -0.43 0.21	39.86 -0.73 -15.85	80.25 -0.25 -55.27	77.40 -0.19 -52.04	53.44 -0.14 -29.41	21.10 0.20 0.00	37.58 0.42 0.00	33.04 0.33 0.00	33.05 0.04 0.00	36.21 -0.16 -0.02	36.93 -0.27 0.00	37.56 -0.15 0.00	70.71 -0.33 -35.23	172.75 0.23 -138.13	304.09 1.39 -39.94	402.17 3.13 0.00	37.76 -0.30 0.00	22.85 -0.39 0.00	26.70 -0.30 -0.02	32.16 -0.33 -0.03	27.31 -0.88 0.00	48.72 -0.70 -32.24
LUTHERFT_115KV_GLOB_FND_222 355753	23.92 0.48 -17.58	28.56 1.77 -0.61	26.93 1.61 -0.13	26.36 1.63 0.00	26.81 1.58 0.00	27.36 1.63 -0.19	28.52 1.63 -2.73	29.19 1.55 -6.74	40.21 2.74 -0.30	34.87 2.16 0.00	35.05 2.04 0.00	38.72 2.38 0.00	39.73 2.54 0.00	40.31 2.60 0.00	40.94 2.58 -2.55	40.44 2.57 -3.48	283.79 21.03 0.00	572.40 32.46 -140.89	44.83 2.46 -4.32	46.93 1.56 -22.12	33.69 1.86 -4.84	37.27 2.21 -2.60	30.76 1.88 -0.68	21.62 1.11 -3.33



LUTHERNY_35_KV_BK2 355980	23.92 0.49 -17.58	28.59 1.79 -0.61	26.95 1.64 -0.13	26.36 1.63 0.00	26.83 1.60 0.00	27.38 1.65 -0.19	28.55 1.65 -2.73	29.21 1.57 -6.74	40.24 2.78 -0.30	34.91 2.20 0.00	35.06 2.05 0.00	38.76 2.42 0.00	39.78 2.58 0.00	40.34 2.63 0.00	40.99 2.63 -2.55	40.48 2.60 -3.48	284.22 21.46 0.00	572.88 32.95 -140.89	44.86 2.48 -4.32	46.96 1.59 -22.12	33.73 1.90 -4.84	37.30 2.23 -2.60	30.78 1.90 -0.68	21.62 1.11 -3.33
LWR___OSWEGATCHIE_HYD 23850	5.58 -0.27 0.00	25.17 -1.02 0.00	23.54 -1.13 0.50	3.30 -1.36 20.06	-28.26 -1.07 52.42	-31.21 -1.04 55.71	-37.93 -0.94 61.15	20.21 -0.69 0.00	36.07 -1.09 0.00	31.82 -0.89 0.00	31.79 -1.22 0.00	34.96 -1.41 -0.02	35.73 -1.47 0.00	36.38 -1.33 0.00	18.17 -1.30 16.34	-42.02 -1.18 75.24	238.74 -8.66 15.37	387.83 -11.22 0.00	36.44 -1.62 0.00	22.19 -1.05 0.00	26.04 -0.96 -0.01	31.39 -1.10 -0.03	26.84 -1.35 0.00	-17.41 -1.04 33.54
LYONS_FALL_HYD 23570	5.84 -0.02 0.00	26.32 0.13 0.00	25.05 0.01 0.14	21.64 -0.18 2.91	19.27 0.11 6.07	18.53 0.17 7.19	13.43 0.21 10.94	21.30 0.41 0.00	37.96 0.80 0.00	33.37 0.66 0.00	33.46 0.45 0.00	36.71 0.35 -0.02	37.49 0.30 0.00	38.14 0.43 0.00	36.34 0.32 -0.21	32.86 0.64 2.19	266.71 3.95 0.00	405.51 6.47 0.00	38.22 0.16 0.00	23.19 -0.05 0.00	27.07 0.07 -0.01	32.62 0.13 -0.02	27.85 -0.34 0.00	10.50 -0.33 6.35
MADISON___COUNTY_LFGE 323628	5.95 0.10 0.00	26.90 0.71 0.00	25.79 0.65 0.04	26.60 0.59 -1.28	30.92 0.67 -5.02	30.82 0.75 -4.52	26.54 0.78 -1.59	21.67 0.77 0.00	38.60 1.44 0.00	34.00 1.29 0.00	34.03 1.02 0.00	37.30 0.94 -0.02	38.16 0.96 0.00	38.84 1.13 0.00	40.89 1.16 -3.93	50.15 1.34 -14.42	274.17 7.55 -3.85	409.02 9.98 0.00	38.78 0.73 0.00	23.76 0.52 0.00	27.70 0.71 -0.01	33.59 1.10 -0.02	29.00 0.81 0.00	20.13 0.47 -2.48
MALONE___115KV_TB1 356076	5.74 -0.11 0.00	25.81 -0.37 0.00	24.55 -0.40 0.24	16.76 -0.43 7.54	6.42 -0.30 18.51	4.83 -0.48 20.25	-0.93 -0.51 24.59	20.27 -0.62 0.00	36.06 -1.10 0.00	31.75 -0.96 0.00	31.70 -1.30 0.00	35.03 -1.31 0.00	35.83 -1.37 0.00	36.34 -1.37 0.00	30.24 -1.20 4.37	-2.47 -1.26 35.62	250.05 -8.66 4.05	386.66 -12.39 0.00	36.70 -1.35 0.00	22.40 -0.85 0.00	26.15 -0.84 0.00	31.68 -0.78 0.00	27.60 -0.60 0.00	3.98 -0.65 12.55
MAPLEWOD_115KV_TB3 80458	25.13 0.39 -18.89	28.07 1.23 -0.65	26.52 1.20 -0.14	25.97 1.24 0.00	26.48 1.24 0.00	26.99 1.25 -0.20	28.27 1.18 -2.93	29.26 1.14 -7.23	39.49 2.00 -0.33	34.26 1.55 0.00	34.61 1.60 0.00	38.15 1.80 0.00	39.12 1.93 0.00	39.77 2.06 0.00	42.37 2.00 -4.56	42.65 2.03 -6.22	278.20 15.43 0.00	525.92 24.01 -102.87	44.70 1.98 -4.67	48.33 1.17 -23.92	33.61 1.39 -5.24	36.90 1.63 -2.81	30.41 1.48 -0.74	21.68 0.92 -3.58
MAPLE_RIDGE_WT_1 323574	5.77 -0.08 0.00	25.95 -0.24 0.00	24.95 -0.25 -0.02	24.74 -0.39 -0.40	25.75 -0.32 -0.83	26.24 -0.29 -0.98	25.45 -0.21 -1.50	20.72 -0.17 0.00	36.86 -0.31 0.00	32.39 -0.32 0.00	32.58 -0.43 0.00	35.89 -0.46 0.00	36.55 -0.65 0.00	36.95 -0.76 0.00	34.99 -0.82 0.00	42.50 -0.74 -8.84	258.90 -3.87 0.00	394.53 -4.52 0.00	37.47 -0.58 0.00	22.73 -0.51 0.00	26.41 -0.58 0.00	31.89 -0.58 0.00	27.65 -0.54 0.00	17.42 -0.42 -0.66
MAPLE_RIDGE_WT_2 323611	5.77 -0.08 0.00	25.95 -0.24 0.00	24.95 -0.25 -0.02	24.74 -0.39 -0.40	25.75 -0.32 -0.83	26.24 -0.29 -0.98	25.45 -0.21 -1.50	20.72 -0.17 0.00	36.86 -0.31 0.00	32.39 -0.32 0.00	32.58 -0.43 0.00	35.89 -0.46 0.00	36.55 -0.65 0.00	36.95 -0.76 0.00	34.99 -0.82 0.00	42.50 -0.74 -8.84	258.90 -3.87 0.00	394.53 -4.52 0.00	37.47 -0.58 0.00	22.73 -0.51 0.00	26.41 -0.58 0.00	31.89 -0.58 0.00	27.65 -0.54 0.00	17.42 -0.42 -0.66
MARBLE_RIVER_WT_PWR 323696	5.76 -0.10 0.00	25.89 -0.30 0.00	24.89 -0.29 0.00	23.04 -0.31 1.37	20.68 -0.19 4.37	20.86 -0.42 4.26	20.56 -0.49 3.11	20.27 -0.63 0.00	36.07 -1.09 0.00	31.70 -1.01 0.00	31.63 -1.38 0.00	34.84 -1.50 0.00	35.69 -1.51 0.00	36.17 -1.54 0.00	32.00 -1.44 2.37	3.78 -1.49 29.13	250.14 -10.42 2.20	383.43 -15.62 0.00	36.40 -1.66 0.00	22.25 -0.99 0.00	25.95 -1.04 0.00	31.47 -0.99 0.00	27.56 -0.63 0.00	14.25 -0.69 2.24
MARSHVLE_115KV_TB1 80742	17.86 0.41 -11.60	28.24 1.65 -0.40	26.71 1.52 0.00	26.22 1.49 0.00	26.76 1.52 0.00	27.14 1.60 0.00	25.74 1.57 0.00	22.31 1.42 0.00	39.34 2.18 0.00	34.52 1.81 0.00	34.53 1.52 0.00	37.83 1.48 0.00	38.77 1.57 0.00	39.42 1.71 0.00	38.58 1.61 -1.16	37.90 1.93 -1.58	282.20 19.44 0.00	550.39 24.63 -126.71	40.18 2.13 0.00	24.77 1.53 0.00	28.95 1.97 0.00	34.90 2.44 0.00	30.26 1.93 -0.14	18.28 1.10 0.00
MARSH_HILL_WT_PWR 323713	2.69 -1.01 2.15	23.58 -1.24 1.36	23.76 -1.42 0.00	23.27 -1.46 0.00	23.87 -1.36 0.00	24.06 -1.49 0.00	22.88 -1.28 0.00	20.17 -0.72 0.00	36.67 -0.49 0.00	32.86 0.15 0.00	32.79 -0.22 0.00	34.94 -1.41 -0.01	34.67 -2.53 0.00	38.11 -2.65 -3.05	33.56 -2.40 -0.15	34.83 -2.56 -2.99	245.78 -17.30 -0.31	380.52 -24.84 -6.32	37.18 -0.87 0.00	23.70 0.46 0.00	27.69 0.69 -0.01	32.91 0.43 -0.01	28.31 0.12 0.00	17.09 -0.08 0.00
MCINTYRE_115KV_TB2 80467	5.71 -0.15 0.00	25.63 -0.55 0.00	23.78 -0.57 0.83	2.65 -0.60 21.48	-24.70 -0.51 49.43	-30.75 -0.53 55.76	-51.00 -0.57 74.60	20.17 -0.73 0.00	35.76 -1.40 0.00	31.42 -1.29 0.00	31.41 -1.60 0.00	34.72 -1.63 0.00	35.43 -1.77 0.00	36.00 -1.71 0.00	27.48 -1.12 7.21	-11.66 -1.24 44.82	245.50 -10.59 6.68	384.49 -14.55 0.00	36.20 -1.85 0.00	22.12 -1.12 0.00	26.06 -0.93 0.00	31.61 -0.87 -0.01	27.37 -0.82 0.00	-19.08 -0.65 35.61
MECO_____69_KV_BK1 80468	19.55 0.76 -12.94	29.86 3.23 -0.45	28.19 3.00 0.00	27.71 2.98 0.00	28.30 3.06 0.00	28.72 3.18 0.00	27.15 2.99 0.00	23.35 2.45 0.00	40.71 3.55 0.00	34.68 1.97 0.00	33.96 0.94 0.00	37.16 0.81 0.00	38.18 0.98 0.00	39.03 1.32 0.00	38.44 1.40 -1.23	39.18 3.11 -1.68	308.24 45.48 0.00	591.17 58.02 -134.11	42.26 4.20 0.00	26.53 3.29 0.00	31.15 4.17 0.00	37.38 4.91 0.00	32.33 3.98 -0.16	19.45 2.27 0.00
MENANDS___115KV_TB5 355628	25.15 0.34 -18.95	27.87 1.03 -0.66	26.35 1.03 -0.14	25.81 1.08 0.00	26.32 1.08 0.00	26.83 1.08 -0.20	28.11 1.00 -2.94	29.13 0.98 -7.26	39.19 1.71 -0.33	33.99 1.28 0.00	34.35 1.34 0.00	37.86 1.52 0.00	38.80 1.61 0.00	39.44 1.73 0.00	41.37 1.69 -3.87	41.38 1.70 -5.28	275.19 12.43 0.00	518.37 19.68 -99.65	44.37 1.62 -4.69	48.21 0.94 -24.03	33.35 1.11 -5.26	36.58 1.30 -2.82	30.15 1.22 -0.74	21.56 0.79 -3.59
MG INDUSTRY___DRP 24185	22.02 0.28 -15.89	27.64 0.91 -0.55	26.23 0.92 -0.13	25.71 0.98 0.00	26.22 0.98 0.00	26.70 0.97 -0.18	27.64 0.88 -2.60	28.07 0.77 -6.41	38.72 1.27 -0.29	33.50 0.79 0.00	33.78 0.77 0.00	36.83 0.49 0.00	37.46 0.26 0.00	38.06 0.35 0.00	30.95 0.36 5.22	27.70 0.43 7.13	265.87 3.10 0.00	476.86 7.18 -70.64	43.04 0.48 -4.51	46.60 0.26 -23.10	32.39 0.35 -5.06	35.62 0.44 -2.71	29.54 0.66 -0.68	21.04 0.69 -3.17



MID___OSWEGATCHIE_HYD 23849	5.58 -0.27 0.00	25.17 -1.02 0.00	23.54 -1.13 0.50	3.30 -1.36 20.06	-28.26 -1.07 52.42	-31.21 -1.04 55.71	-37.93 -0.94 61.15	20.21 -0.69 0.00	36.07 -1.09 0.00	31.82 -0.89 0.00	31.79 -1.22 0.00	34.96 -1.41 -0.02	35.73 -1.47 0.00	36.38 -1.33 0.00	18.17 -1.30 16.34	-42.02 -1.18 75.24	238.74 -8.66 15.37	387.83 -11.22 0.00	36.44 -1.62 0.00	22.19 -1.05 0.00	26.04 -0.96 -0.01	31.39 -1.10 -0.03	26.84 -1.35 0.00	-17.41 -1.04 33.54
MID___RAQUETTE_HYD 23851	5.54 -0.31 0.00	24.86 -1.33 0.00	23.12 -1.32 0.74	3.01 -1.37 20.36	-23.97 -1.27 47.94	-29.26 -1.32 53.49	-46.36 -1.31 69.22	19.63 -1.27 0.00	34.90 -2.26 0.00	30.77 -1.94 0.00	30.71 -2.30 0.00	33.92 -2.43 -0.01	34.69 -2.50 0.00	35.19 -2.52 0.00	25.16 -2.23 8.42	-17.02 -2.26 49.16	237.35 -17.50 7.92	374.32 -24.73 0.00	35.37 -2.68 0.00	21.54 -1.70 0.00	25.24 -1.75 -0.01	30.58 -1.90 -0.01	26.46 -1.73 0.00	-17.84 -1.21 33.80
MILLIKEN___1 23584	8.62 -0.04 -2.81	28.39 0.42 -1.78	25.51 0.32 0.00	25.00 0.27 0.00	25.52 0.29 0.00	25.93 0.38 0.00	24.60 0.44 0.00	21.46 0.57 0.00	38.18 1.02 0.00	33.78 1.07 0.00	33.97 0.95 0.00	37.27 0.90 -0.03	38.07 0.87 0.00	38.78 0.86 -0.21	37.18 0.91 -0.46	35.41 0.81 -0.20	270.15 7.36 -0.02	414.75 8.92 -6.78	39.16 1.10 0.00	24.18 0.94 0.00	28.13 1.12 -0.02	33.59 1.09 -0.04	29.00 0.81 0.00	17.24 0.50 0.44
MILLIKEN___2 23585	8.62 -0.04 -2.81	28.39 0.42 -1.78	25.51 0.32 0.00	25.00 0.27 0.00	25.52 0.29 0.00	25.93 0.38 0.00	24.60 0.44 0.00	21.46 0.57 0.00	38.18 1.02 0.00	33.78 1.07 0.00	33.97 0.95 0.00	37.27 0.90 -0.03	38.07 0.87 0.00	38.78 0.86 -0.21	37.18 0.91 -0.46	35.41 0.81 -0.20	270.15 7.36 -0.02	414.75 8.92 -6.78	39.16 1.10 0.00	24.18 0.94 0.00	28.13 1.12 -0.02	33.59 1.09 -0.04	29.00 0.81 0.00	17.24 0.50 0.44
MILLIKEN___DIESEL 23629	8.62 -0.04 -2.81	28.39 0.42 -1.78	25.51 0.32 0.00	25.00 0.27 0.00	25.52 0.29 0.00	25.93 0.38 0.00	24.60 0.44 0.00	21.46 0.57 0.00	38.18 1.02 0.00	33.78 1.07 0.00	33.97 0.95 0.00	37.27 0.90 -0.03	38.07 0.87 0.00	38.78 0.86 -0.21	37.18 0.91 -0.46	35.41 0.81 -0.20	270.15 7.36 -0.02	414.75 8.92 -6.78	39.16 1.10 0.00	24.18 0.94 0.00	28.13 1.12 -0.02	33.59 1.09 -0.04	29.00 0.81 0.00	17.24 0.50 0.44
MILLSEAT___LFGE 323607	4.57 -0.60 0.68	24.89 -0.87 0.43	24.13 -1.05 0.00	23.67 -1.06 0.00	24.02 -1.21 0.00	24.52 -1.03 0.00	23.19 -0.97 0.00	20.50 -0.40 0.00	36.48 -0.68 0.00	32.35 -0.36 0.00	32.29 -0.72 0.00	34.77 -1.57 0.00	35.61 -1.60 -0.01	35.38 -1.95 0.38	33.62 -2.19 0.00	31.54 -2.45 0.41	246.55 -16.23 -0.02	378.50 -24.55 -4.01	36.84 -1.21 0.00	23.04 -0.20 0.00	26.69 -0.29 0.00	32.35 -0.11 0.00	27.83 -0.36 0.00	16.96 -0.21 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	168.15 0.64 -161.66	38.40 1.98 -10.23	27.99 1.86 -0.95	26.54 1.81 0.00	27.01 1.78 0.00	28.73 1.84 -1.34	45.55 1.73 -19.65	71.18 1.79 -48.49	42.69 3.34 -2.19	35.73 3.02 0.00	36.40 3.39 0.00	40.10 3.75 0.00	40.95 3.75 0.00	41.62 3.91 0.00	40.15 3.79 -0.54	40.78 3.79 -2.59	290.61 27.85 0.00	472.53 42.44 -31.05	70.09 3.95 -28.09	170.39 2.16 -145.00	53.69 2.48 -24.22	47.41 2.84 -12.11	34.00 2.50 -3.31	42.73 1.57 -23.98
MILLWOOD_13_KV_LOAD 356217	168.18 0.66 -161.66	38.50 2.08 -10.23	28.09 1.95 -0.95	26.62 1.89 0.00	27.10 1.87 0.00	28.82 1.93 -1.34	45.64 1.82 -19.65	71.26 1.87 -48.49	42.85 3.51 -2.19	35.88 3.17 0.00	36.57 3.56 0.00	40.28 3.94 0.00	41.14 3.95 0.00	41.82 4.12 0.00	40.36 4.01 -0.54	40.98 3.99 -2.59	292.28 29.52 0.00	474.89 44.79 -31.05	70.33 4.18 -28.09	170.53 2.29 -145.00	53.85 2.64 -24.22	47.60 3.02 -12.11	34.14 2.64 -3.31	42.81 1.65 -23.98
MODEL_CITY_ENERGY 24167	4.27 -0.83 0.76	23.98 -1.73 0.48	23.30 -1.89 0.00	22.89 -1.84 0.00	23.21 -2.03 0.00	23.68 -1.87 0.00	22.35 -1.81 0.00	19.73 -1.16 0.00	35.09 -2.07 0.00	31.11 -1.61 0.00	31.14 -1.87 0.00	33.64 -2.71 0.00	34.16 -3.05 -0.01	33.77 -3.36 0.58	32.46 -3.35 0.00	30.15 -3.66 0.59	238.45 -24.29 0.02	366.69 -36.81 -4.46	35.69 -2.37 0.00	22.28 -0.96 0.00	25.75 -1.24 0.00	30.96 -1.50 0.00	26.69 -1.50 0.00	16.32 -0.86 0.00
MODERN_LFGE___ 323580	4.27 -0.83 0.76	23.98 -1.73 0.48	23.30 -1.89 0.00	22.89 -1.84 0.00	23.21 -2.03 0.00	23.68 -1.87 0.00	22.35 -1.81 0.00	19.73 -1.16 0.00	35.09 -2.07 0.00	31.11 -1.61 0.00	31.14 -1.87 0.00	33.64 -2.71 0.00	34.16 -3.05 -0.01	33.77 -3.36 0.58	32.46 -3.35 0.00	30.15 -3.66 0.59	238.45 -24.29 0.02	366.69 -36.81 -4.46	35.69 -2.37 0.00	22.28 -0.96 0.00	25.75 -1.24 0.00	30.96 -1.50 0.00	26.69 -1.50 0.00	16.32 -0.86 0.00
MOHAWK_PAPER___DRP 24187	25.13 0.39 -18.89	28.07 1.23 -0.65	26.52 1.20 -0.14	25.97 1.24 0.00	26.48 1.24 0.00	26.99 1.25 -0.20	28.27 1.18 -2.93	29.26 1.14 -7.23	39.49 2.00 -0.33	34.26 1.55 0.00	34.61 1.60 0.00	38.15 1.80 0.00	39.12 1.93 0.00	39.77 2.06 0.00	42.37 2.00 -4.56	42.65 2.03 -6.22	278.20 15.43 0.00	525.92 24.01 -102.87	44.70 1.98 -4.67	48.33 1.17 -23.92	33.61 1.39 -5.24	36.90 1.63 -2.81	30.41 1.48 -0.74	21.68 0.92 -3.58
MOHICAN___35_KV_115KV_LD 80490	23.87 0.54 -17.48	28.86 2.07 -0.60	27.08 1.76 -0.13	26.53 1.80 0.00	26.85 1.62 0.00	27.43 1.70 -0.19	28.70 1.81 -2.72	29.43 1.83 -6.71	40.72 3.25 -0.30	35.21 2.50 0.00	35.25 2.24 0.00	39.04 2.70 0.00	40.09 2.90 0.00	40.63 2.93 0.00	41.20 2.92 -2.46	40.71 2.95 -3.37	287.28 24.52 0.00	579.18 38.42 -141.71	44.79 2.43 -4.30	46.90 1.61 -22.05	33.69 1.88 -4.83	37.33 2.28 -2.59	30.76 1.89 -0.68	21.56 1.06 -3.32
MONGAUP___HYD 23641	-83.74 0.56 90.15	24.12 1.84 3.91	26.13 1.70 0.75	26.37 1.64 0.00	26.86 1.62 0.00	26.16 1.67 1.06	10.20 1.60 15.57	-15.91 1.60 38.41	38.25 2.82 1.74	35.16 2.45 0.00	35.62 2.61 0.00	38.97 2.62 0.00	39.68 2.49 0.00	40.49 2.78 0.00	38.90 2.67 -0.41	28.88 2.51 8.02	281.95 19.19 0.00	456.65 30.67 -26.94	-22.37 2.91 63.34	-298.53 1.81 323.58	-47.67 2.38 77.03	-6.71 2.84 42.01	22.21 2.55 8.53	-0.28 1.54 19.00
MONTAUK___DIESEL 23721	108.85 0.94 -102.05	43.26 2.73 -14.34	57.55 2.51 -29.85	54.64 2.49 -27.42	52.11 2.63 -24.24	41.43 2.50 -13.38	44.40 2.47 -17.77	68.70 2.64 -45.17	49.58 5.47 -6.95	74.35 5.65 -35.99	91.02 6.10 -51.91	89.60 6.67 -46.58	167.52 6.42 -123.91	255.76 6.64 -211.40	278.01 6.36 -235.83	239.08 6.00 -198.68	365.44 38.02 -64.67	601.01 62.39 -139.57	330.00 5.67 -286.27	223.23 2.64 -197.35	155.79 3.45 -125.35	62.73 3.97 -26.29	38.35 3.34 -6.82	57.67 2.20 -38.29
MOONROAD_115KV_HARTFLD_TB1-2 355988	4.22 -0.63 1.00	25.07 -0.49 0.63	24.32 -0.86 0.00	23.70 -1.03 0.00	24.18 -1.05 0.00	24.63 -0.92 0.00	23.14 -1.03 0.00	20.58 -0.32 0.00	36.74 -0.42 0.00	32.73 0.02 0.00	32.61 -0.40 0.00	35.20 -1.14 0.00	34.97 -2.23 0.00	34.77 -2.27 0.68	33.64 -2.17 0.00	32.31 -1.45 0.64	254.92 -7.77 0.06	391.14 -13.19 -5.28	37.60 -0.45 0.00	23.69 0.45 0.00	27.92 0.93 0.00	33.12 0.65 0.00	28.17 -0.03 0.00	17.11 -0.07 0.00



MORTIMER_115KV_TB3 55949	5.00 -0.38 0.48	25.30 -0.58 0.30	24.45 -0.73 0.00	23.99 -0.73 0.00	24.39 -0.84 0.00	24.84 -0.71 0.00	23.49 -0.67 0.00	20.64 -0.26 0.00	36.74 -0.42 0.00	32.60 -0.11 0.00	32.79 -0.23 0.00	35.69 -0.65 0.00	36.64 -0.55 0.00	36.93 -0.80 -0.03	34.86 -0.95 0.00	33.19 -1.22 -0.01	255.77 -7.00 -0.01	387.63 -11.42 0.00	37.68 -0.37 0.00	23.36 0.11 0.00	26.98 -0.01 0.00	32.45 -0.01 0.00	27.97 -0.22 0.00	17.05 -0.13 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	106.86 0.73 -100.27	32.77 2.30 -4.29	28.19 2.16 -0.85	26.82 2.09 0.00	27.30 2.06 0.00	28.90 2.15 -1.20	43.79 2.03 -17.60	67.93 2.09 -44.94	42.98 3.86 -1.96	42.61 3.48 -6.42	39.75 3.83 -2.91	41.40 4.19 -0.87	41.34 4.14 0.00	42.02 4.31 0.00	40.56 4.20 -0.55	40.96 4.18 -2.38	293.12 30.36 0.00	476.61 46.30 -31.27	69.23 4.33 -26.84	164.14 2.30 -138.61	52.36 2.64 -22.73	46.81 3.05 -11.30	34.06 2.75 -3.12	40.42 1.76 -21.48
MUNSVILLE_WIND_PWR 323609	7.15 -0.17 -1.47	28.61 1.50 -0.93	26.55 1.36 0.00	25.98 1.25 0.00	26.75 1.51 0.00	27.52 1.97 0.00	26.20 2.03 0.00	22.81 1.91 0.00	40.53 3.37 0.00	35.68 2.97 0.00	35.82 2.81 0.00	39.07 2.70 -0.02	39.54 2.34 0.00	39.92 2.07 -0.14	38.17 2.07 -0.29	36.61 2.08 -0.13	283.26 20.48 -0.01	442.11 29.35 -13.72	40.46 2.40 0.00	25.29 2.05 0.00	29.94 2.93 -0.01	36.04 3.55 -0.03	30.96 2.77 0.00	18.78 1.61 0.00
N SALMON___HYD 24042	5.74 -0.11 0.00	25.81 -0.37 0.00	24.54 -0.40 0.24	16.76 -0.43 7.54	6.42 -0.30 18.51	4.82 -0.48 20.25	-0.93 -0.51 24.59	20.27 -0.62 0.00	36.05 -1.11 0.00	31.75 -0.96 0.00	31.70 -1.31 0.00	35.03 -1.32 0.00	35.83 -1.36 0.00	36.34 -1.37 0.00	30.24 -1.20 4.37	-2.48 -1.26 35.62	250.05 -8.66 4.05	386.65 -12.39 0.00	36.70 -1.35 0.00	22.39 -0.85 0.00	26.15 -0.84 0.00	31.68 -0.78 0.00	27.59 -0.60 0.00	3.98 -0.65 12.55
N.AKRON___115KV_KNAPP 355671	4.54 -0.61 0.70	24.73 -1.02 0.45	23.98 -1.20 0.00	23.52 -1.20 0.00	23.87 -1.36 0.00	24.37 -1.18 0.00	23.04 -1.13 0.00	20.36 -0.54 0.00	36.22 -0.93 0.00	32.13 -0.58 0.00	32.09 -0.92 0.00	34.63 -1.72 0.00	35.42 -1.79 -0.01	35.13 -2.17 0.41	33.50 -2.31 0.00	31.33 -2.62 0.45	245.92 -16.86 -0.02	377.70 -25.59 -4.25	36.73 -1.33 0.00	22.95 -0.29 0.00	26.59 -0.39 0.00	32.11 -0.35 0.00	27.63 -0.56 0.00	16.86 -0.32 0.00
N.BELMOR_69_KV_BK1 55787	108.77 0.86 -102.05	43.11 2.58 -14.34	57.54 2.51 -29.85	54.58 2.43 -27.42	51.88 2.41 -24.24	41.40 2.48 -13.38	44.25 2.33 -17.77	68.34 2.28 -45.17	48.43 4.32 -6.95	55.63 3.97 -18.94	53.74 4.31 -16.42	54.16 4.70 -13.12	77.52 4.73 -35.59	128.13 4.95 -85.47	142.26 4.79 -101.65	108.52 4.74 -69.38	413.56 33.98 -116.82	737.18 53.51 -284.63	137.84 5.01 -94.78	191.62 2.67 -165.70	75.80 3.16 -45.66	48.74 3.67 -12.61	36.92 3.20 -5.54	55.68 2.05 -36.44
N.E_GEN_SANDY PD 24062	77.14 0.49 -70.80	118.12 1.39 -90.55	57.84 1.33 -31.33	35.81 1.39 -9.69	30.18 1.41 -3.53	35.19 1.44 -8.20	39.98 1.39 -14.42	52.18 1.38 -29.90	52.39 2.49 -12.74	34.05 1.98 0.63	35.10 2.09 0.00	39.02 2.40 -0.27	39.73 2.54 0.00	40.37 2.66 0.00	42.06 2.60 -3.64	46.75 2.61 -9.75	281.26 18.50 0.00	336.04 28.99 91.99	93.54 2.61 -52.87	161.14 1.51 -136.39	56.80 1.77 -28.05	56.71 2.06 -22.18	44.41 1.85 -14.37	48.45 1.12 -30.15
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	-119.63 0.63 126.12	22.52 1.92 5.59	25.71 1.80 1.27	26.47 1.74 0.00	26.94 1.71 0.00	25.52 1.76 1.79	-0.39 1.63 26.18	-42.00 1.70 64.60	37.43 3.19 2.92	35.64 2.93 0.00	36.39 3.38 0.00	40.10 3.75 0.00	40.97 3.78 0.00	41.65 3.94 0.00	40.12 3.82 -0.49	42.14 3.83 -3.91	291.15 28.38 0.00	471.99 43.05 -29.90	79.57 3.99 -37.53	218.72 2.19 -193.29	64.81 2.51 -35.30	53.44 2.87 -18.11	32.61 2.48 -1.94	-13.23 1.55 31.95
N.QUEENS_27_KV_LOAD 356247	106.99 0.85 -100.29	33.02 2.54 -4.29	28.40 2.36 -0.85	26.99 2.26 0.00	27.48 2.24 0.00	29.09 2.34 -1.20	43.96 2.19 -17.60	68.00 2.18 -44.92	43.17 4.05 -1.96	42.49 3.52 -6.26	39.83 3.98 -2.84	41.59 4.39 -0.86	41.67 4.47 0.00	42.44 4.72 -0.01	40.93 4.56 -0.55	41.34 4.55 -2.39	295.23 32.47 0.00	480.31 49.99 -31.28	69.55 4.65 -26.85	164.21 2.35 -138.62	52.39 2.66 -22.74	46.87 3.10 -11.31	34.25 2.93 -3.13	40.61 1.94 -21.48
N.TROY___115KV_TB1 355778	25.55 0.40 -19.30	28.17 1.32 -0.67	26.59 1.26 -0.14	26.05 1.32 0.00	26.55 1.32 0.00	27.09 1.34 -0.20	28.43 1.30 -2.96	29.45 1.25 -7.30	39.68 2.19 -0.33	34.36 1.65 0.00	34.63 1.62 0.00	38.23 1.89 0.00	39.21 2.02 0.00	39.81 2.10 0.00	42.11 2.08 -4.22	42.24 2.07 -5.76	278.16 15.39 0.00	546.63 24.50 -123.08	44.80 2.03 -4.71	48.60 1.23 -24.13	33.75 1.48 -5.28	37.04 1.74 -2.83	30.49 1.56 -0.75	21.71 0.92 -3.61
NARROWS_GT1_1 24228	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT1_2 24229	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT1_3 24230	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT1_4 24231	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT1_5 24232	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39



NARROWS_GT1_6 24233	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT1_7 24234	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT1_8 24235	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_1 24236	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_2 24237	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_3 24238	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_4 24239	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_5 24240	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_6 24241	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_7 24242	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NARROWS_GT2_8 24243	107.02 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.72 3.74 -6.26	46.63 4.08 -9.54	51.27 4.38 -10.54	66.17 4.38 -24.60	84.08 4.64 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.51 31.74 0.00	478.90 48.58 -31.27	85.89 4.50 -43.34	133.89 2.27 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.87 -43.39
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	17.26 0.42 -10.99	28.14 1.57 -0.38	26.71 1.53 0.00	26.30 1.57 0.00	26.84 1.60 0.00	27.15 1.60 0.00	25.69 1.53 0.00	22.24 1.34 0.00	39.35 2.20 0.00	34.13 1.42 0.00	34.38 1.37 0.00	37.76 1.41 0.00	38.67 1.48 0.00	39.38 1.67 0.00	32.08 1.72 5.45	29.18 1.76 6.97	276.94 14.18 0.00	492.21 26.80 -66.36	46.45 2.13 -6.27	56.89 1.33 -32.33	34.09 1.56 -5.55	37.10 1.84 -2.80	30.48 1.65 -0.64	18.27 1.09 0.00
NCHELSEA_115KV_TR2 355582	21.63 0.60 -15.18	28.56 1.85 -0.52	26.91 1.73 0.00	26.42 1.69 0.00	26.90 1.66 0.00	27.26 1.72 0.00	25.81 1.65 0.00	22.59 1.70 0.00	40.33 3.18 0.00	35.58 2.87 0.00	36.25 3.24 0.00	39.97 3.63 0.00	40.89 3.70 0.00	41.55 3.84 0.00	40.05 3.83 -0.41	39.85 3.85 -1.60	291.72 28.96 0.00	474.99 44.24 -31.70	60.41 4.11 -18.25	120.09 2.32 -94.54	43.05 2.68 -13.38	41.92 3.14 -6.32	32.22 2.70 -1.33	18.82 1.64 0.00
NEG CAPITAL___MECHNVIL 23645	24.49 0.50 -18.14	28.62 1.80 -0.63	26.97 1.66 -0.14	26.41 1.68 0.00	26.87 1.64 0.00	27.42 1.68 -0.19	28.64 1.68 -2.81	29.41 1.59 -6.92	40.31 2.84 -0.31	34.94 2.23 0.00	35.13 2.12 0.00	38.82 2.47 0.00	39.88 2.69 0.00	40.43 2.72 0.00	41.53 2.71 -3.01	41.23 2.72 -4.12	284.77 22.01 0.00	569.35 34.01 -136.29	45.14 2.64 -4.44	47.67 1.66 -22.76	33.95 1.98 -4.98	37.47 2.33 -2.67	30.87 1.98 -0.70	21.76 1.16 -3.42
NEG CENTRAL_HIGH_ACRES 23767	5.12 -0.40 0.33	25.13 -0.85 0.21	24.21 -0.97 0.00	23.75 -0.98 0.00	24.16 -1.07 0.00	24.59 -0.96 0.00	23.28 -0.88 0.00	20.39 -0.50 0.00	36.30 -0.85 0.00	32.22 -0.49 0.00	32.45 -0.57 0.00	35.47 -0.87 0.00	36.37 -0.83 0.00	36.77 -0.95 -0.01	34.72 -1.09 0.00	33.04 -1.36 0.00	254.23 -8.54 0.00	385.63 -13.41 0.00	37.41 -0.65 0.00	23.15 -0.10 0.00	26.72 -0.27 0.00	32.08 -0.38 0.00	27.66 -0.53 0.00	16.85 -0.33 0.00



NEG CENTRAL___DRP 24199	5.16 -0.23 0.47	25.64 -0.25 0.30	24.79 -0.38 0.01	24.04 -0.41 0.28	24.21 -0.45 0.58	24.50 -0.36 0.69	22.86 -0.25 1.05	20.92 0.03 0.00	37.26 0.10 0.00	33.04 0.33 0.00	33.31 0.30 0.00	36.47 0.09 -0.04	37.24 0.04 0.00	38.09 0.04 -0.34	36.44 0.17 -0.46	34.56 -0.17 -0.33	262.47 -0.33 -0.03	396.34 -2.71 0.00	38.41 0.36 0.00	23.83 0.59 0.00	27.61 0.60 -0.02	33.05 0.54 -0.04	28.50 0.31 0.00	16.85 0.16 0.49
NEG CENTRAL___INDECK 23768	4.06 -0.56 1.23	24.65 -0.76 0.78	24.25 -0.93 0.00	23.74 -0.99 0.00	24.23 -1.01 0.00	24.66 -0.89 0.00	23.41 -0.75 0.00	20.62 -0.28 0.00	36.81 -0.35 0.00	32.56 -0.16 0.00	32.72 -0.29 0.00	34.57 -1.77 0.00	35.00 -2.20 0.00	38.83 -2.06 -3.19	33.41 -2.40 0.00	34.83 -2.67 -3.10	244.24 -18.85 -0.33	373.22 -30.93 -5.11	36.15 -1.91 0.00	22.87 -0.37 0.00	26.81 -0.18 0.00	32.93 0.46 0.00	28.38 0.19 0.00	17.19 0.01 0.00
NEG CENTRAL___SENECA 23627	4.65 -0.29 0.91	25.37 -0.24 0.57	24.79 -0.39 0.00	24.29 -0.44 0.00	24.77 -0.46 0.00	25.17 -0.37 0.00	23.91 -0.25 0.00	20.97 0.07 0.00	37.37 0.21 0.00	33.17 0.46 0.00	33.42 0.41 0.00	36.49 0.13 -0.02	37.19 0.00 0.00	38.28 0.02 -0.54	36.24 0.19 -0.25	34.69 -0.24 -0.53	262.47 -0.35 -0.06	395.95 -3.10 0.00	38.57 0.51 0.00	24.03 0.79 0.00	27.81 0.81 -0.01	33.23 0.74 -0.02	28.63 0.44 0.00	17.41 0.23 0.00
NEG CENTRAL___STATE_STREET 24147	6.12 -0.09 -0.36	26.50 0.08 -0.22	25.14 -0.03 0.01	24.39 -0.04 0.30	24.48 -0.13 0.63	24.81 0.01 0.74	23.12 0.09 1.13	21.16 0.27 0.00	37.54 0.38 0.00	33.31 0.60 0.00	33.43 0.42 0.00	36.84 0.45 -0.05	37.68 0.48 0.00	38.21 0.38 -0.13	36.93 0.50 -0.62	34.77 0.25 -0.12	265.24 2.46 -0.01	401.00 1.96 0.00	38.60 0.55 0.00	23.80 0.56 0.00	27.61 0.60 -0.03	33.09 0.57 -0.06	28.65 0.46 0.00	16.89 0.23 0.52
NEG MILLWOOD___DRP 24198	54.62 0.66 -48.11	30.29 2.14 -1.96	27.47 2.00 -0.28	26.68 1.95 0.00	27.16 1.93 0.00	27.93 1.99 -0.39	31.84 1.91 -5.77	37.08 1.96 -14.23	41.45 3.65 -0.64	36.01 3.30 0.00	36.70 3.68 0.00	40.47 4.13 0.00	41.40 4.20 0.00	42.12 4.41 0.00	40.64 4.34 -0.49	40.47 4.34 -1.73	295.29 32.53 0.00	480.53 49.57 -31.91	63.55 4.64 -20.85	133.78 2.60 -107.93	45.97 2.96 -16.02	43.59 3.42 -7.71	33.04 2.93 -1.93	26.00 1.78 -7.04
NEG NORTH_FLCN_SEA 23793	5.81 -0.05 0.00	26.20 0.02 0.00	25.21 0.02 0.00	23.31 -0.01 1.42	20.87 0.13 4.50	21.09 -0.06 4.39	20.82 -0.14 3.21	20.53 -0.36 0.00	36.51 -0.65 0.00	31.91 -0.81 0.00	31.63 -1.38 0.00	34.66 -1.68 0.00	35.43 -1.76 0.00	35.91 -1.80 0.00	31.69 -1.68 2.44	3.27 -1.76 29.37	248.29 -12.21 2.27	380.62 -18.43 0.00	36.06 -1.99 0.00	22.09 -1.15 0.00	25.78 -1.21 0.00	31.42 -1.05 0.00	27.87 -0.32 0.00	13.96 -0.47 2.75
NEG NORTH_KES_CHATEGAY 23792	5.76 -0.10 0.00	25.87 -0.32 0.00	24.77 -0.34 0.07	21.17 -0.35 3.20	16.45 -0.22 8.57	16.09 -0.45 9.01	14.16 -0.50 9.50	20.22 -0.67 0.00	35.94 -1.22 0.00	31.60 -1.12 0.00	31.54 -1.47 0.00	34.81 -1.53 0.00	35.65 -1.55 0.00	36.12 -1.59 0.00	31.38 -1.48 2.96	1.94 -1.42 31.04	250.32 -9.69 2.74	384.76 -14.28 0.00	36.57 -1.48 0.00	22.32 -0.92 0.00	26.02 -0.97 0.00	31.53 -0.93 0.00	27.55 -0.64 0.00	11.13 -0.68 5.37
NEG NORTH___ALICE_FALLS 23915	5.82 -0.04 0.00	26.24 0.05 0.00	25.21 0.05 0.02	22.86 0.00 1.87	19.86 0.14 5.51	19.93 -0.06 5.56	19.17 -0.12 4.87	20.57 -0.32 0.00	36.64 -0.52 0.00	32.05 -0.66 0.00	31.85 -1.16 0.00	34.99 -1.35 0.00	35.81 -1.39 0.00	36.37 -1.34 0.00	32.02 -1.26 2.52	3.37 -1.40 29.63	250.51 -9.91 2.34	385.02 -14.02 0.00	36.60 -1.45 0.00	22.37 -0.87 0.00	26.15 -0.84 0.00	31.76 -0.70 0.00	27.98 -0.21 0.00	13.59 -0.43 3.17
NEG NORTH___LWR_SARANAC 23913	5.82 -0.04 0.00	26.24 0.05 0.00	25.21 0.05 0.02	22.86 0.00 1.87	19.86 0.14 5.51	19.93 -0.06 5.56	19.17 -0.12 4.87	20.57 -0.32 0.00	36.64 -0.52 0.00	32.05 -0.66 0.00	31.85 -1.16 0.00	34.99 -1.35 0.00	35.81 -1.39 0.00	36.37 -1.34 0.00	32.02 -1.26 2.52	3.37 -1.40 29.63	250.51 -9.91 2.34	385.02 -14.02 0.00	36.60 -1.45 0.00	22.37 -0.87 0.00	26.15 -0.84 0.00	31.76 -0.70 0.00	27.98 -0.21 0.00	13.59 -0.43 3.17
NEG NORTH___PLATTSBURG 23628	5.82 -0.04 0.00	26.24 0.05 0.00	25.21 0.05 0.02	22.86 0.00 1.87	19.86 0.13 5.51	19.93 -0.06 5.56	19.17 -0.12 4.87	20.57 -0.33 0.00	36.64 -0.52 0.00	32.05 -0.66 0.00	31.85 -1.16 0.00	35.00 -1.35 0.00	35.80 -1.39 0.00	36.37 -1.34 0.00	32.02 -1.26 2.52	3.36 -1.40 29.63	250.52 -9.91 2.34	385.02 -14.02 0.00	36.60 -1.46 0.00	22.37 -0.87 0.00	26.15 -0.84 0.00	31.76 -0.70 0.00	27.98 -0.21 0.00	13.59 -0.43 3.17
NEG WEST_LEA_LOCKPORT 23791	4.33 -0.78 0.74	24.06 -1.66 0.47	23.35 -1.83 0.00	22.94 -1.79 0.00	23.27 -1.97 0.00	23.73 -1.81 0.00	22.41 -1.76 0.00	19.79 -1.10 0.00	35.21 -1.95 0.00	31.24 -1.47 0.00	31.26 -1.75 0.00	33.72 -2.62 0.00	34.20 -2.93 0.06	33.02 -3.27 1.43	32.52 -3.28 0.01	29.60 -3.56 1.24	238.93 -23.40 0.43	367.58 -35.82 -4.35	35.76 -2.30 0.00	22.33 -0.91 0.00	25.86 -1.12 0.00	31.10 -1.37 0.00	26.81 -1.38 0.00	16.39 -0.79 0.00
NEG WEST___LANCASTR 23811	4.18 -0.71 0.96	24.49 -1.09 0.61	23.91 -1.27 0.00	23.44 -1.29 0.00	23.85 -1.39 0.00	24.30 -1.25 0.00	22.95 -1.21 0.00	20.25 -0.65 0.00	36.26 -0.89 0.00	32.22 -0.49 0.00	32.33 -0.68 0.00	35.01 -1.33 0.00	35.53 -1.67 0.00	35.36 -1.63 0.72	34.05 -1.76 0.00	31.75 -1.95 0.70	251.45 -11.24 0.07	385.35 -18.98 -5.28	37.14 -0.91 0.00	23.14 -0.10 0.00	26.91 -0.08 0.00	32.13 -0.33 0.00	27.63 -0.56 0.00	16.85 -0.33 0.00
NEG_PENN_ALLEGHNY 23528	5.47 -0.11 0.27	26.17 0.16 0.17	25.25 0.06 0.00	24.75 0.02 0.00	25.30 0.06 0.00	25.67 0.12 0.00	24.34 0.17 0.00	21.26 0.36 0.00	37.98 0.83 0.00	33.61 0.90 0.00	33.94 0.93 0.00	37.22 0.86 -0.02	37.94 0.75 0.00	38.50 0.79 0.00	36.79 0.71 -0.27	35.09 0.70 0.00	269.09 6.33 0.00	417.34 7.47 -10.83	39.02 0.96 0.00	24.02 0.78 0.00	27.90 0.90 -0.01	33.41 0.93 -0.03	28.85 0.66 0.00	17.56 0.38 0.00
NEG___GEN_MONROE 24207	4.99 -0.37 0.49	25.42 -0.45 0.31	24.56 -0.62 0.00	24.10 -0.63 0.00	24.50 -0.73 0.00	24.96 -0.58 0.00	23.62 -0.54 0.00	20.77 -0.12 0.00	36.97 -0.19 0.00	32.78 0.06 0.00	32.96 -0.06 0.00	35.77 -0.57 0.00	36.73 -0.47 0.00	37.04 -0.70 -0.03	34.89 -0.92 0.00	33.23 -1.18 -0.02	256.03 -6.74 -0.01	388.04 -11.01 0.00	37.80 -0.25 0.00	23.48 0.24 0.00	27.16 0.17 0.00	32.73 0.27 0.00	28.18 -0.02 0.00	17.17 0.00 0.00
NEPA___ENERGY 23901	4.23 -0.66 0.97	24.66 -0.92 0.61	24.03 -1.15 0.00	23.49 -1.24 0.00	23.99 -1.24 0.00	24.40 -1.14 0.00	23.11 -1.06 0.00	20.47 -0.42 0.00	36.79 -0.37 0.00	32.75 0.04 0.00	32.92 -0.09 0.00	35.72 -0.62 0.00	36.04 -1.15 0.00	35.68 -1.22 0.81	34.44 -1.37 0.00	32.37 -1.25 0.77	256.75 -5.93 0.08	391.63 -12.75 -5.34	37.63 -0.42 0.00	23.53 0.29 0.00	27.41 0.43 0.00	32.59 0.13 0.00	27.97 -0.22 0.00	16.99 -0.19 0.00



NEVERSINK___HYD 23608	-19.08 0.45 25.38	26.37 1.26 1.07	26.15 1.15 0.18	25.83 1.10 0.00	26.30 1.07 0.00	26.40 1.11 0.26	21.47 1.07 3.76	12.87 1.25 9.28	39.61 2.87 0.42	35.35 2.64 0.00	36.00 2.99 0.00	39.68 3.33 0.00	40.42 3.23 0.00	40.08 2.37 0.00	37.67 1.86 0.00	36.36 1.96 0.00	278.17 15.41 0.00	452.50 24.09 -29.37	45.88 2.18 -5.65	54.18 1.24 -29.70	29.65 1.51 -1.16	34.95 2.49 0.00	29.97 2.06 0.28	13.78 1.19 4.59
NEWKRMKL_115KV_TB1 55635	24.60 0.31 -18.44	27.75 0.93 -0.64	26.25 0.93 -0.14	25.71 0.98 0.00	26.21 0.97 0.00	26.71 0.96 -0.20	27.93 0.88 -2.88	28.89 0.87 -7.12	38.98 1.50 -0.32	33.83 1.12 0.00	34.20 1.19 0.00	37.67 1.33 0.00	38.61 1.41 0.00	39.23 1.53 0.00	35.80 1.48 1.50	33.88 1.52 2.04	274.00 11.24 0.00	513.54 17.64 -96.85	44.07 1.42 -4.59	47.60 0.82 -23.53	33.10 0.96 -5.15	36.35 1.12 -2.76	29.98 1.07 -0.72	21.42 0.72 -3.52
NEWTON___FALLS_HYD 23847	5.58 -0.27 0.00	25.17 -1.02 0.00	23.54 -1.13 0.50	3.30 -1.36 20.06	-28.26 -1.07 52.42	-31.21 -1.04 55.71	-37.93 -0.94 61.15	20.21 -0.69 0.00	36.07 -1.09 0.00	31.82 -0.89 0.00	31.79 -1.22 0.00	34.96 -1.41 -0.02	35.73 -1.47 0.00	36.38 -1.33 0.00	18.17 -1.30 16.34	-42.02 -1.18 75.24	238.74 -8.66 15.37	387.83 -11.22 0.00	36.44 -1.62 0.00	22.19 -1.05 0.00	26.04 -0.96 -0.01	31.39 -1.10 -0.03	26.84 -1.35 0.00	-17.41 -1.04 33.54
NGRID_A1_DSASP 323792	4.18 -0.90 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.67 -2.06 0.00	22.97 -2.27 0.00	23.42 -2.12 0.00	22.09 -2.08 0.00	19.49 -1.41 0.00	34.63 -2.53 0.00	30.67 -2.04 0.00	30.69 -2.32 0.00	33.18 -3.17 0.00	33.64 -3.55 0.00	33.22 -3.79 0.70	32.05 -3.77 0.00	29.63 -4.08 0.68	235.05 -27.62 0.09	361.20 -42.33 -4.48	35.16 -2.90 0.00	21.94 -1.30 0.00	25.31 -1.67 0.00	30.45 -2.01 0.00	26.29 -1.90 0.00	16.13 -1.05 0.00
NGRID_A2_DSASP 323793	4.18 -0.90 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.67 -2.06 0.00	22.97 -2.27 0.00	23.42 -2.12 0.00	22.09 -2.08 0.00	19.49 -1.41 0.00	34.63 -2.53 0.00	30.67 -2.04 0.00	30.69 -2.32 0.00	33.18 -3.17 0.00	33.64 -3.55 0.00	33.22 -3.79 0.70	32.05 -3.77 0.00	29.63 -4.08 0.68	235.05 -27.62 0.09	361.20 -42.33 -4.48	35.16 -2.90 0.00	21.94 -1.30 0.00	25.31 -1.67 0.00	30.45 -2.01 0.00	26.29 -1.90 0.00	16.13 -1.05 0.00
NGRID_A4_DSASP 323807	4.18 -0.90 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.67 -2.06 0.00	22.97 -2.27 0.00	23.42 -2.12 0.00	22.09 -2.08 0.00	19.49 -1.41 0.00	34.63 -2.53 0.00	30.67 -2.04 0.00	30.69 -2.32 0.00	33.18 -3.17 0.00	33.64 -3.55 0.00	33.22 -3.79 0.70	32.05 -3.77 0.00	29.63 -4.08 0.68	235.05 -27.62 0.09	361.20 -42.33 -4.48	35.16 -2.90 0.00	21.94 -1.30 0.00	25.31 -1.67 0.00	30.45 -2.01 0.00	26.29 -1.90 0.00	16.13 -1.05 0.00
NIAGARA_115E_LBMP 323715	4.23 -0.85 0.77	23.87 -1.83 0.49	23.20 -1.99 0.00	22.81 -1.92 0.00	23.12 -2.12 0.00	23.58 -1.97 0.00	22.25 -1.91 0.00	19.65 -1.25 0.00	34.92 -2.24 0.00	30.94 -1.77 0.00	30.97 -2.04 0.00	33.47 -2.88 0.00	33.96 -3.24 0.00	33.53 -3.55 0.64	32.31 -3.50 0.00	29.94 -3.81 0.64	237.27 -25.45 0.04	365.00 -38.55 -4.50	35.52 -2.53 0.00	22.17 -1.07 0.00	25.61 -1.38 0.00	30.79 -1.68 0.00	26.55 -1.64 0.00	16.24 -0.94 0.00
NIAGARA_115W_LBMP 323714	4.18 -0.92 0.76	23.66 -2.05 0.48	22.98 -2.20 0.00	22.62 -2.11 0.00	22.91 -2.32 0.00	23.37 -2.18 0.00	22.03 -2.13 0.00	19.44 -1.45 0.00	34.54 -2.62 0.00	30.59 -2.12 0.00	30.61 -2.40 0.00	33.10 -3.24 0.00	33.57 -3.63 0.00	33.15 -3.86 0.70	31.97 -3.84 0.00	29.57 -4.15 0.68	234.53 -28.15 0.08	360.34 -43.18 -4.48	35.08 -2.98 0.00	21.89 -1.35 0.00	25.26 -1.73 0.00	30.38 -2.09 0.00	26.23 -1.96 0.00	16.09 -1.09 0.00
NIAGARA_230_LBMP 323716	4.28 -0.83 0.74	24.01 -1.70 0.47	23.33 -1.85 0.00	22.94 -1.79 0.00	23.26 -1.98 0.00	23.72 -1.83 0.00	22.37 -1.80 0.00	19.73 -1.16 0.00	35.10 -2.06 0.00	31.10 -1.61 0.00	31.14 -1.87 0.00	33.68 -2.66 0.00	34.18 -3.01 0.00	33.75 -3.26 0.70	32.59 -3.22 0.00	30.20 -3.51 0.68	239.37 -23.30 0.09	368.08 -35.37 -4.41	35.72 -2.33 0.00	22.27 -0.98 0.00	25.71 -1.28 0.00	30.89 -1.58 0.00	26.65 -1.55 0.00	16.30 -0.88 0.00
NIAGARA___115KV_198_GIBSON 55903	4.23 -0.86 0.76	23.66 -2.05 0.48	22.98 -2.20 0.00	22.61 -2.13 0.00	22.91 -2.32 0.00	23.37 -2.18 0.00	22.03 -2.14 0.00	19.43 -1.46 0.00	34.51 -2.65 0.00	30.57 -2.14 0.00	30.60 -2.42 0.00	33.04 -3.30 0.00	33.55 -3.65 0.00	33.13 -3.88 0.70	31.97 -3.84 0.00	29.56 -4.15 0.68	234.71 -27.96 0.08	360.17 -43.35 -4.48	35.04 -3.01 0.00	21.86 -1.38 0.00	25.24 -1.74 0.00	30.37 -2.10 0.00	26.22 -1.97 0.00	16.09 -1.09 0.00
NIAGARA___ 23760	4.28 -0.83 0.75	24.01 -1.70 0.47	23.33 -1.85 0.00	22.94 -1.79 0.00	23.26 -1.98 0.00	23.72 -1.83 0.00	22.37 -1.80 0.00	19.73 -1.16 0.00	35.10 -2.06 0.00	31.10 -1.61 0.00	31.14 -1.87 0.00	33.68 -2.66 0.00	34.18 -3.01 0.00	33.77 -3.26 0.68	32.59 -3.22 0.00	30.21 -3.51 0.67	239.38 -23.30 0.08	368.12 -35.37 -4.45	35.72 -2.33 0.00	22.27 -0.98 0.00	25.71 -1.28 0.00	30.89 -1.58 0.00	26.65 -1.55 0.00	16.30 -0.88 0.00
NINE_MILE_1 23575	5.61 -0.24 0.00	25.36 -0.83 0.00	24.33 -0.86 0.00	23.86 -0.87 0.00	24.34 -0.89 0.00	24.68 -0.87 0.00	23.37 -0.79 0.00	20.30 -0.59 0.00	36.13 -1.03 0.00	31.87 -0.84 0.00	32.15 -0.87 0.00	35.02 -1.01 0.31	36.18 -1.02 0.00	36.66 -1.05 0.00	30.65 -1.00 4.16	33.37 -1.02 0.00	255.18 -7.59 0.00	386.77 -12.27 0.00	37.07 -0.98 0.00	22.73 -0.51 0.00	26.13 -0.65 0.21	31.26 -0.83 0.38	27.41 -0.78 0.00	16.74 -0.44 0.00
NINE_MILE_2 23744	5.61 -0.24 0.00	25.36 -0.83 0.00	24.33 -0.86 0.00	23.86 -0.87 0.00	24.34 -0.89 0.00	24.68 -0.87 0.00	23.37 -0.79 0.00	20.30 -0.59 0.00	36.13 -1.03 0.00	31.87 -0.84 0.00	32.15 -0.87 0.00	35.02 -1.01 0.32	36.18 -1.02 0.00	36.66 -1.05 0.00	30.59 -0.99 4.22	33.37 -1.02 0.00	255.18 -7.58 0.00	386.83 -12.22 0.00	37.08 -0.97 0.00	22.73 -0.51 0.00	26.13 -0.65 0.21	31.25 -0.83 0.39	27.41 -0.78 0.00	16.74 -0.44 0.00
NM_CAPITAL___DRP 24208	25.20 0.33 -19.02	27.81 0.96 -0.66	26.29 0.96 -0.14	25.75 1.02 0.00	26.26 1.02 0.00	26.76 1.01 -0.20	28.06 0.94 -2.95	29.11 0.92 -7.29	39.08 1.59 -0.33	33.89 1.18 0.00	34.25 1.24 0.00	37.74 1.40 0.00	38.69 1.49 0.00	39.31 1.60 0.00	40.17 1.55 -2.80	39.81 1.58 -3.83	274.17 11.41 0.00	512.83 18.19 -95.60	44.27 1.50 -4.71	48.25 0.87 -24.14	33.29 1.02 -5.29	36.49 1.20 -2.83	30.07 1.13 -0.74	21.53 0.74 -3.60
NM_CENTRAL___DRP 24181	5.73 -0.13 0.00	25.91 -0.27 0.00	24.83 -0.34 0.02	23.93 -0.36 0.44	23.95 -0.37 0.91	24.13 -0.33 1.08	22.25 -0.26 1.65	20.82 -0.08 0.00	37.09 -0.07 0.00	32.79 0.08 0.00	33.09 0.07 0.00	36.39 0.01 -0.03	37.24 0.04 0.00	37.78 0.07 0.00	36.29 0.08 -0.40	34.34 -0.06 0.00	262.48 -0.28 0.00	397.40 -1.65 0.00	38.12 0.07 0.00	23.40 0.16 0.00	27.12 0.11 -0.02	32.56 0.05 -0.04	28.13 -0.06 0.00	16.40 -0.02 0.76



NM_FRONTIER___DRP 24179	4.23 -0.86 0.76	23.66 -2.05 0.48	22.98 -2.20 0.00	22.61 -2.13 0.00	22.91 -2.32 0.00	23.37 -2.18 0.00	22.03 -2.14 0.00	19.43 -1.46 0.00	34.51 -2.65 0.00	30.57 -2.14 0.00	30.60 -2.42 0.00	33.04 -3.30 0.00	33.55 -3.65 0.00	33.13 -3.88 0.70	31.97 -3.84 0.00	29.56 -4.15 0.68	234.71 -27.96 0.08	360.17 -43.35 -4.48	35.04 -3.01 0.00	21.86 -1.38 0.00	25.24 -1.74 0.00	30.37 -2.10 0.00	26.22 -1.97 0.00	16.09 -1.09 0.00
NM_ST_REGIS___HYD 24053	5.60 -0.26 0.00	25.12 -1.07 0.00	23.47 -1.07 0.64	5.89 -1.12 17.71	-17.65 -1.01 41.88	-22.19 -1.09 46.64	-36.96 -1.09 60.03	19.80 -1.10 0.00	35.20 -1.96 0.00	31.03 -1.69 0.00	30.96 -2.05 0.00	34.21 -2.14 0.00	35.00 -2.20 0.00	35.49 -2.21 0.00	26.16 -1.97 7.69	-13.97 -2.00 46.37	240.53 -15.11 7.12	377.57 -21.48 0.00	35.72 -2.34 0.00	21.77 -1.47 0.00	25.48 -1.51 -0.01	30.87 -1.60 -0.01	26.77 -1.42 0.00	-13.31 -1.06 29.43
NORTHPORT___1 23551	108.71 0.80 -102.05	42.83 2.31 -14.34	57.24 2.21 -29.85	54.32 2.17 -27.42	51.63 2.16 -24.24	41.14 2.22 -13.38	43.98 2.05 -17.77	68.03 1.96 -45.17	47.88 3.77 -6.95	53.94 3.43 -17.80	50.07 3.69 -13.37	50.64 4.06 -10.23	51.18 4.02 -9.97	51.74 4.21 -9.82	51.26 4.10 -11.35	49.98 4.06 -11.52	230.72 27.74 59.78	544.32 45.24 -100.03	39.25 4.20 3.00	88.31 2.16 -62.91	65.29 2.68 -35.62	48.45 3.03 -12.96	36.40 2.66 -5.55	55.28 1.78 -36.32
NORTHPORT___2 23552	108.71 0.80 -102.05	42.83 2.31 -14.34	57.24 2.21 -29.85	54.32 2.17 -27.42	51.63 2.16 -24.24	41.14 2.22 -13.38	43.98 2.05 -17.77	68.03 1.96 -45.17	47.88 3.77 -6.95	53.94 3.43 -17.80	50.07 3.69 -13.37	50.64 4.06 -10.23	51.13 4.02 -9.92	51.74 4.21 -9.82	51.26 4.10 -11.35	49.98 4.06 -11.52	230.72 27.74 59.78	461.56 45.24 -17.27	39.23 4.20 3.03	88.31 2.16 -62.91	55.09 2.68 -25.42	46.93 3.03 -11.44	36.28 2.66 -5.43	55.28 1.78 -36.32
NORTHPORT___3 23553	108.69 0.79 -102.05	42.83 2.30 -14.34	57.20 2.17 -29.85	54.30 2.16 -27.42	51.65 2.17 -24.24	41.18 2.25 -13.38	44.02 2.09 -17.77	68.05 1.98 -45.17	47.81 3.70 -6.95	54.33 3.44 -18.18	50.20 3.84 -13.35	50.65 4.08 -10.23	51.29 4.05 -10.04	53.26 4.26 -11.29	53.09 4.21 -13.07	51.65 4.14 -13.11	234.89 28.63 56.50	468.13 45.30 -23.78	41.11 4.24 1.19	89.03 2.20 -63.59	55.60 2.79 -25.82	47.02 3.13 -11.43	36.23 2.61 -5.43	55.29 1.75 -36.36
NORTHPORT___4 23650	108.69 0.79 -102.05	42.83 2.30 -14.34	57.20 2.17 -29.85	54.30 2.16 -27.42	51.65 2.17 -24.24	41.18 2.25 -13.38	44.02 2.09 -17.77	68.05 1.98 -45.17	47.81 3.70 -6.95	54.33 3.44 -18.18	50.20 3.84 -13.35	50.65 4.08 -10.23	51.29 4.05 -10.04	53.26 4.26 -11.29	53.09 4.21 -13.07	51.65 4.14 -13.11	234.89 28.63 56.50	468.13 45.30 -23.78	41.11 4.24 1.19	89.03 2.20 -63.59	55.60 2.79 -25.82	47.02 3.13 -11.43	36.23 2.61 -5.43	55.29 1.75 -36.36
NORTHPORT___IC 23718	108.71 0.80 -102.05	42.83 2.31 -14.34	57.24 2.21 -29.85	54.32 2.17 -27.42	51.63 2.16 -24.24	41.14 2.22 -13.38	43.98 2.05 -17.77	68.03 1.96 -45.17	47.89 3.78 -6.95	53.94 3.43 -17.80	50.07 3.70 -13.36	50.65 4.07 -10.23	51.14 4.02 -9.92	51.74 4.21 -9.82	51.26 4.10 -11.35	49.98 4.07 -11.52	230.70 27.72 59.78	461.57 45.26 -17.26	39.24 4.21 3.03	88.31 2.16 -62.91	55.09 2.68 -25.42	46.92 3.03 -11.43	36.28 2.66 -5.43	55.27 1.77 -36.32
NORTH___COUNTRY_ESR 323785	5.73 -0.12 0.00	25.78 -0.40 0.00	24.71 -0.40 0.07	21.07 -0.42 3.24	16.30 -0.29 8.65	15.93 -0.51 9.10	13.97 -0.57 9.62	20.17 -0.73 0.00	35.90 -1.26 0.00	31.59 -1.12 0.00	31.54 -1.48 0.00	34.79 -1.55 0.00	35.64 -1.55 0.00	36.12 -1.59 0.00	31.36 -1.48 2.97	1.80 -1.52 31.07	249.32 -10.68 2.76	383.40 -15.65 0.00	36.42 -1.63 0.00	22.22 -1.02 0.00	25.93 -1.06 0.00	31.42 -1.05 0.00	27.46 -0.74 0.00	11.01 -0.74 5.43
NPX_GEN_1385_PROXY 323591	102.55 0.71 -95.99	42.37 1.84 -14.34	56.94 1.90 -29.85	54.16 2.01 -27.42	51.53 2.05 -24.24	41.01 2.08 -13.38	43.90 1.97 -17.77	67.80 1.73 -45.17	49.76 3.96 -8.64	53.97 3.46 -17.80	50.08 3.70 -13.37	50.77 4.20 -10.23	51.40 4.24 -9.96	52.21 4.68 -9.82	51.71 4.55 -11.35	50.37 4.45 -11.52	234.50 31.52 59.78	539.09 55.09 -84.96	39.34 4.29 3.01	88.74 2.58 -62.91	99.71 3.50 -69.23	49.10 3.95 -12.68	37.20 3.48 -5.53	56.66 1.93 -37.55
NPX_GEN_CSC 323557	102.74 0.90 -95.99	43.09 2.56 -14.34	57.42 2.38 -29.85	54.46 2.32 -27.42	51.76 2.28 -24.24	41.28 2.35 -13.38	44.17 2.24 -17.77	68.30 2.23 -45.17	50.20 4.40 -8.64	72.82 4.16 -35.95	89.34 4.50 -51.83	87.79 4.94 -46.51	165.80 4.91 -123.69	253.83 5.14 -210.99	276.19 5.00 -235.38	237.46 4.82 -198.25	359.29 32.27 -64.26	593.55 55.21 -139.30	329.19 5.47 -285.67	207.75 2.66 -181.85	155.44 3.32 -125.13	62.50 3.77 -26.27	38.21 3.20 -6.82	58.78 2.09 -39.51
NSINS_S_GLNS_FALLS 23858	23.80 0.54 -17.40	28.86 2.08 -0.60	27.06 1.75 -0.13	26.51 1.78 0.00	26.80 1.57 0.00	27.39 1.65 -0.18	28.64 1.76 -2.71	29.35 1.77 -6.69	40.63 3.17 -0.30	35.16 2.45 0.00	35.21 2.20 0.00	38.97 2.63 0.00	40.02 2.83 0.00	40.55 2.84 0.00	41.06 2.85 -2.40	40.56 2.89 -3.28	286.63 23.87 0.00	578.17 36.79 -142.33	44.63 2.30 -4.28	46.72 1.54 -21.94	33.62 1.83 -4.80	37.23 2.19 -2.58	30.67 1.80 -0.68	21.52 1.03 -3.31
NUCOR_STEEL___DRP 24197	6.16 -0.08 -0.38	26.51 0.08 -0.24	25.14 -0.03 0.01	24.39 -0.04 0.31	24.46 -0.13 0.64	24.79 0.01 0.76	23.09 0.08 1.16	21.16 0.26 0.00	37.51 0.35 0.00	33.28 0.57 0.00	33.40 0.39 0.00	36.84 0.45 -0.05	37.67 0.47 0.00	38.06 0.35 0.00	36.86 0.39 -0.66	34.57 0.18 0.00	264.69 1.92 0.00	400.40 1.36 0.00	38.51 0.46 0.00	23.73 0.48 0.00	27.53 0.51 -0.03	33.02 0.49 -0.06	28.62 0.43 0.00	16.85 0.21 0.54
NUMBER_THREE_WT_PWR 323818	5.72 -0.14 0.00	25.88 -0.31 0.00	24.47 -0.50 0.22	1.36 -0.81 22.56	-41.92 -0.32 66.84	-41.92 -0.26 67.21	-34.02 -0.20 57.98	21.06 0.16 0.00	37.51 0.35 0.00	32.97 0.27 0.00	32.99 -0.02 0.00	36.15 -0.22 -0.02	36.86 -0.34 0.00	37.49 -0.22 0.00	4.57 -0.43 30.80	-90.92 0.13 125.45	234.70 0.75 28.81	401.42 2.38 0.00	37.66 -0.39 0.00	22.79 -0.46 0.00	26.62 -0.38 -0.02	32.07 -0.42 -0.03	27.22 -0.97 0.00	-21.65 -0.76 38.07
NYISO_LBMP_REFERENCE 24008	5.85 0.00 0.00	26.19 0.00 0.00	25.18 0.00 0.00	24.73 0.00 0.00	25.24 0.00 0.00	25.55 0.00 0.00	24.16 0.00 0.00	20.90 0.00 0.00	37.16 0.00 0.00	32.71 0.00 0.00	33.01 0.00 0.00	36.34 0.00 0.00	37.20 0.00 0.00	37.71 0.00 0.00	35.81 0.00 0.00	34.40 0.00 0.00	262.76 0.00 0.00	399.04 0.00 0.00	38.05 0.00 0.00	23.24 0.00 0.00	26.99 0.00 0.00	32.46 0.00 0.00	28.19 0.00 0.00	17.18 0.00 0.00
NYPA_BRENTWD____GT 24164	108.83 0.92 -102.05	43.32 2.79 -14.34	57.68 2.64 -29.85	54.72 2.58 -27.42	52.04 2.56 -24.24	41.55 2.63 -13.38	44.41 2.48 -17.77	68.47 2.40 -45.17	48.72 4.60 -6.95	77.08 4.24 -40.13	61.37 4.47 -23.89	61.41 4.91 -20.16	93.54 4.73 -51.62	125.92 4.90 -83.31	136.88 4.75 -96.32	104.78 4.70 -65.69	336.43 32.66 -41.01	579.24 52.84 -127.36	142.29 4.95 -99.28	179.86 2.60 -154.02	83.73 3.19 -53.55	51.58 3.62 -15.49	37.49 3.30 -6.00	58.12 2.19 -38.75



NYPA_GOWANUS____GT5 24156	107.01 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.71 3.73 -6.26	46.63 4.07 -9.54	51.25 4.37 -10.54	66.16 4.37 -24.60	84.06 4.62 -41.73	80.15 4.48 -39.86	116.72 4.46 -77.86	294.41 31.65 0.00	478.79 48.47 -31.27	85.87 4.48 -43.34	133.88 2.25 -108.39	76.25 2.62 -46.64	76.42 3.04 -40.91	44.88 2.88 -13.81	62.43 1.87 -43.39
NYPA_GOWANUS____GT6 24157	107.01 0.83 -100.33	40.39 2.49 -11.71	28.35 2.32 -0.85	26.97 2.25 0.00	27.47 2.24 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.37 4.22 -1.99	42.71 3.73 -6.26	46.63 4.07 -9.54	51.25 4.37 -10.54	66.16 4.37 -24.60	84.06 4.62 -41.73	80.15 4.48 -39.86	116.72 4.46 -77.86	294.41 31.65 0.00	478.79 48.47 -31.27	85.87 4.48 -43.34	133.88 2.25 -108.39	76.25 2.62 -46.64	76.42 3.04 -40.91	44.88 2.88 -13.81	62.43 1.87 -43.39
NYPA_HARLEM__RVR__GT1 24160	106.97 0.83 -100.29	32.93 2.45 -4.29	28.32 2.28 -0.85	26.92 2.19 0.00	27.41 2.18 0.00	29.02 2.27 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.03 3.91 -1.96	42.34 3.37 -6.26	39.66 3.81 -2.84	41.40 4.20 -0.85	41.48 4.28 0.00	42.25 4.53 0.00	40.74 4.38 -0.55	41.15 4.37 -2.38	293.96 31.20 0.00	478.15 47.83 -31.27	69.33 4.43 -26.84	164.10 2.24 -138.62	52.27 2.55 -22.74	46.73 2.95 -11.31	34.13 2.81 -3.13	40.53 1.87 -21.48
NYPA_HARLEM__RVR__GT2 24161	106.97 0.83 -100.29	32.93 2.45 -4.29	28.32 2.28 -0.85	26.92 2.19 0.00	27.41 2.18 0.00	29.02 2.27 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.03 3.91 -1.96	42.34 3.37 -6.26	39.66 3.81 -2.84	41.40 4.20 -0.85	41.48 4.28 0.00	42.25 4.53 0.00	40.74 4.38 -0.55	41.15 4.37 -2.38	293.96 31.20 0.00	478.15 47.83 -31.27	69.33 4.43 -26.84	164.10 2.24 -138.62	52.27 2.55 -22.74	46.73 2.95 -11.31	34.13 2.81 -3.13	40.53 1.87 -21.48
NYPA_KENT____GT 24152	106.97 0.80 -100.31	37.20 2.45 -8.56	28.32 2.28 -0.85	26.94 2.21 0.00	27.43 2.19 0.00	29.05 2.30 -1.20	43.96 2.19 -17.60	68.08 2.26 -44.92	43.28 4.14 -1.98	42.62 3.64 -6.26	43.68 3.98 -6.69	47.06 4.28 -6.43	55.63 4.28 -14.16	66.23 4.51 -24.01	63.35 4.37 -23.17	82.93 4.36 -44.17	293.88 31.12 0.00	477.79 47.47 -31.27	77.74 4.39 -35.29	125.20 2.22 -99.73	60.00 2.57 -30.45	58.26 2.98 -22.82	39.03 2.80 -8.05	53.10 1.83 -34.09
NYPA_POUCH1____GT 24155	107.01 0.83 -100.33	40.34 2.44 -11.71	28.30 2.26 -0.85	26.91 2.19 0.00	27.40 2.16 0.00	29.02 2.27 -1.20	43.94 2.17 -17.60	68.07 2.25 -44.92	43.29 4.14 -1.99	42.63 3.65 -6.26	46.53 3.98 -9.54	51.17 4.29 -10.54	66.08 4.29 -24.60	83.98 4.54 -41.73	80.07 4.40 -39.86	116.66 4.40 -77.86	294.08 31.32 0.00	478.49 48.18 -31.27	85.84 4.45 -43.34	133.85 2.22 -108.39	76.20 2.57 -46.64	76.35 2.98 -40.91	44.81 2.81 -13.81	62.39 1.82 -43.39
NYPA_VERNON____GT2 24162	106.93 0.79 -100.29	34.01 2.42 -5.41	28.29 2.25 -0.85	26.91 2.18 0.00	27.39 2.16 0.00	29.01 2.26 -1.20	43.93 2.16 -17.60	68.04 2.22 -44.92	43.19 4.06 -1.97	42.55 3.58 -6.26	40.77 3.91 -3.85	42.87 4.22 -2.32	45.13 4.21 -3.72	48.43 4.41 -6.30	46.58 4.29 -6.49	52.03 4.27 -13.35	293.53 30.77 0.00	477.05 46.73 -31.27	69.64 4.33 -27.25	116.52 2.20 -91.08	43.77 2.53 -14.25	40.13 2.94 -4.73	33.21 2.74 -2.28	43.78 1.81 -24.79
NYPA_VERNON____GT3 24163	106.93 0.79 -100.29	34.01 2.42 -5.41	28.29 2.25 -0.85	26.91 2.18 0.00	27.39 2.16 0.00	29.01 2.26 -1.20	43.93 2.16 -17.60	68.04 2.22 -44.92	43.19 4.06 -1.97	42.55 3.58 -6.26	40.77 3.91 -3.85	42.87 4.22 -2.32	45.13 4.21 -3.72	48.43 4.41 -6.30	46.58 4.29 -6.49	52.03 4.27 -13.35	293.53 30.77 0.00	477.05 46.73 -31.27	69.64 4.33 -27.25	116.52 2.20 -91.08	43.77 2.53 -14.25	40.13 2.94 -4.73	33.21 2.74 -2.28	43.78 1.81 -24.79
NYPA____ASTORIA_CC1 323568	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.21 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	68.00 2.18 -44.92	43.09 3.97 -1.96	42.46 3.49 -6.26	39.66 3.81 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.06 4.35 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.13 30.37 0.00	476.40 46.08 -31.27	66.13 4.25 -23.83	102.99 2.15 -77.60	34.75 2.47 -5.29	30.62 2.85 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
NYPA____ASTORIA_CC2 323569	106.93 0.79 -100.29	32.85 2.37 -4.29	28.25 2.21 -0.85	26.87 2.14 0.00	27.35 2.12 0.00	28.97 2.22 -1.20	43.88 2.12 -17.60	68.00 2.18 -44.92	43.09 3.97 -1.96	42.46 3.49 -6.26	39.66 3.81 -2.84	41.33 4.14 -0.85	41.33 4.14 0.00	42.06 4.35 0.00	40.57 4.22 -0.55	40.99 4.21 -2.38	293.13 30.37 0.00	476.40 46.08 -31.27	66.13 4.25 -23.83	102.99 2.15 -77.60	34.75 2.47 -5.29	30.62 2.85 4.70	30.44 2.68 0.43	40.44 1.78 -21.48
NYPA____HOLTSVILL 23794	108.81 0.90 -102.05	43.15 2.62 -14.34	57.49 2.46 -29.85	54.53 2.39 -27.42	51.84 2.36 -24.24	41.37 2.44 -13.38	44.24 2.31 -17.77	68.32 2.26 -45.17	48.45 4.34 -6.95	72.47 4.05 -35.71	88.56 4.35 -51.20	87.00 4.75 -45.91	163.93 4.70 -122.04	250.51 4.88 -207.91	272.54 4.72 -232.02	234.09 4.65 -195.04	356.71 31.74 -62.21	588.66 51.65 -137.97	324.14 4.87 -281.22	219.19 2.53 -193.42	153.60 3.16 -123.45	62.10 3.61 -26.02	38.12 3.14 -6.80	57.52 2.07 -38.26
NYPA____HELLGATE_GT1 24158	106.97 0.83 -100.29	32.93 2.45 -4.29	28.32 2.28 -0.85	26.92 2.19 0.00	27.41 2.18 0.00	29.02 2.27 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.03 3.91 -1.96	42.34 3.37 -6.26	39.66 3.81 -2.84	41.40 4.20 -0.85	41.48 4.28 0.00	42.25 4.53 0.00	40.74 4.38 -0.55	41.15 4.37 -2.38	293.96 31.20 0.00	478.15 47.83 -31.27	69.33 4.43 -26.84	164.10 2.24 -138.62	52.27 2.55 -22.74	46.73 2.95 -11.31	34.12 2.80 -3.13	40.52 1.86 -21.48
NYPA____HELLGATE_GT2 24159	106.97 0.83 -100.29	32.93 2.45 -4.29	28.32 2.28 -0.85	26.92 2.19 0.00	27.41 2.18 0.00	29.02 2.27 -1.20	43.90 2.13 -17.60	67.94 2.12 -44.92	43.03 3.91 -1.96	42.34 3.37 -6.26	39.66 3.81 -2.84	41.40 4.20 -0.85	41.48 4.28 0.00	42.25 4.53 0.00	40.74 4.38 -0.55	41.15 4.37 -2.38	293.96 31.20 0.00	478.15 47.83 -31.27	69.33 4.43 -26.84	164.10 2.24 -138.62	52.27 2.55 -22.74	46.73 2.95 -11.31	34.12 2.80 -3.13	40.52 1.86 -21.48
NYS_BARGE____HYD 23848	4.33 -0.79 0.73	24.18 -1.54 0.46	23.47 -1.72 0.00	23.05 -1.68 0.00	23.37 -1.87 0.00	23.85 -1.70 0.00	22.52 -1.64 0.00	19.90 -1.00 0.00	35.41 -1.76 0.00	31.40 -1.31 0.00	31.43 -1.58 0.00	33.94 -2.40 0.00	34.50 -2.71 -0.02	34.21 -3.04 0.46	32.73 -3.09 0.00	30.51 -3.39 0.50	240.45 -22.34 -0.02	369.72 -33.68 -4.36	35.99 -2.07 0.00	22.48 -0.76 0.00	26.01 -0.98 0.00	31.28 -1.18 0.00	26.96 -1.24 0.00	16.47 -0.71 0.00
OAK ORCHARD____HYD 24046	4.99 -0.39 0.48	25.31 -0.57 0.30	24.45 -0.73 0.00	24.00 -0.73 0.00	24.40 -0.84 0.00	24.84 -0.71 0.00	23.50 -0.67 0.00	20.64 -0.25 0.00	36.76 -0.40 0.00	32.61 -0.11 0.00	32.80 -0.21 0.00	35.73 -0.61 0.00	36.65 -0.55 0.00	36.94 -0.79 -0.03	34.87 -0.94 0.00	33.19 -1.22 -0.01	255.66 -7.11 -0.01	387.77 -11.28 0.00	37.71 -0.35 0.00	23.37 0.13 0.00	26.98 -0.01 0.00	32.47 0.01 0.00	27.98 -0.21 0.00	17.05 -0.13 0.00



OAKDALE___35_KV_LOAD 356122	5.36 -0.14 0.35	26.02 0.06 0.22	25.16 -0.02 0.00	24.67 -0.06 0.00	25.21 -0.02 0.00	25.58 0.03 0.00	24.24 0.08 0.00	21.17 0.27 0.00	37.81 0.65 0.00	33.45 0.74 0.00	33.77 0.75 0.00	37.02 0.66 -0.02	37.73 0.53 0.00	38.27 0.56 0.00	36.56 0.49 -0.27	34.88 0.48 0.00	267.37 4.61 0.00	414.89 4.83 -11.01	38.76 0.71 0.00	23.87 0.63 0.00	27.73 0.73 -0.01	33.21 0.72 -0.03	28.69 0.50 0.00	17.47 0.29 0.00
OCC_CHEM___DRP 24175	4.23 -0.85 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.66 -2.07 0.00	22.96 -2.27 0.00	23.42 -2.13 0.00	22.08 -2.09 0.00	19.48 -1.42 0.00	34.60 -2.56 0.00	30.65 -2.06 0.00	30.67 -2.34 0.00	33.11 -3.23 0.00	33.63 -3.57 0.00	33.20 -3.81 0.70	32.04 -3.77 0.00	29.62 -4.09 0.68	235.24 -27.44 0.09	361.02 -42.51 -4.48	35.12 -2.93 0.00	21.91 -1.33 0.00	25.30 -1.68 0.00	30.44 -2.03 0.00	26.28 -1.91 0.00	16.13 -1.05 0.00
OH_GEN_PROXY 24063	-1.75 -0.80 6.80	24.07 -1.65 0.47	23.39 -1.80 0.00	22.99 -1.74 0.00	23.32 -1.92 0.00	23.77 -1.77 0.00	22.43 -1.74 0.00	19.78 -1.11 0.00	36.90 -1.95 -1.69	31.21 -1.51 0.00	31.25 -1.77 0.00	33.80 -2.54 0.00	34.31 -2.89 0.00	33.96 -3.12 0.63	32.73 -3.08 0.00	30.41 -3.38 0.61	240.41 -22.27 0.08	369.49 -33.98 -4.43	35.82 -2.23 0.00	22.32 -0.92 0.00	25.78 -1.20 0.00	30.96 -1.50 0.00	26.71 -1.48 0.00	17.56 -0.84 -1.23
OLIN_CORP_DRP 24177	4.27 -0.80 0.78	23.90 -1.79 0.49	23.23 -1.95 0.00	22.84 -1.89 0.00	23.16 -2.08 0.00	23.62 -1.93 0.00	22.28 -1.88 0.00	19.67 -1.23 0.00	34.96 -2.20 0.00	30.98 -1.73 0.00	31.00 -2.01 0.00	33.47 -2.87 0.00	34.01 -3.19 0.00	33.55 -3.50 0.66	32.38 -3.43 0.00	29.97 -3.77 0.66	237.86 -24.86 0.05	365.49 -38.09 -4.54	35.54 -2.51 0.00	22.17 -1.07 0.00	25.64 -1.35 0.00	30.81 -1.65 0.00	26.58 -1.61 0.00	16.27 -0.91 0.00
OLIN_CORP_DSASP 323712	4.18 -0.90 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.67 -2.06 0.00	22.97 -2.27 0.00	23.42 -2.12 0.00	22.09 -2.08 0.00	19.49 -1.41 0.00	34.63 -2.53 0.00	30.67 -2.04 0.00	30.69 -2.32 0.00	33.18 -3.17 0.00	33.64 -3.55 0.00	33.22 -3.79 0.70	32.05 -3.77 0.00	29.63 -4.08 0.68	235.05 -27.62 0.09	361.20 -42.33 -4.48	35.16 -2.90 0.00	21.94 -1.30 0.00	25.31 -1.67 0.00	30.45 -2.01 0.00	26.29 -1.90 0.00	16.13 -1.05 0.00
ONEIDA_HERK_LFGE 323681	5.89 0.03 0.00	26.52 0.33 0.00	25.32 0.24 0.10	29.14 0.10 -4.30	41.52 0.31 -15.97	40.60 0.36 -14.69	31.21 0.39 -6.66	21.41 0.52 0.00	38.14 0.98 0.00	33.55 0.84 0.00	33.67 0.66 0.00	36.96 0.61 -0.01	37.78 0.58 0.00	38.44 0.73 0.00	47.64 0.65 -11.18	82.31 0.87 -47.05	285.51 5.46 -17.29	407.26 8.21 0.00	38.48 0.43 0.00	23.40 0.15 0.00	27.29 0.29 -0.01	32.88 0.40 -0.02	28.17 -0.02 0.00	29.66 -0.12 -12.61
ONEIDA___115KV_TB4 55905	5.95 0.10 0.00	26.90 0.71 0.00	25.79 0.65 0.04	26.60 0.59 -1.28	30.92 0.67 -5.02	30.82 0.75 -4.52	26.54 0.78 -1.59	21.67 0.77 0.00	38.60 1.44 0.00	34.00 1.29 0.00	34.03 1.02 0.00	37.30 0.94 -0.02	38.16 0.96 0.00	38.84 1.13 0.00	40.89 1.16 -3.93	50.15 1.34 -14.42	274.17 7.55 -3.85	409.02 9.98 0.00	38.78 0.73 0.00	23.76 0.52 0.00	27.70 0.71 -0.01	33.59 1.10 -0.02	29.00 0.81 0.00	20.13 0.47 -2.48
ONONDAGA_REF_OCCRA 23987	5.76 -0.10 0.00	26.05 -0.14 0.00	24.96 -0.21 0.02	24.09 -0.25 0.39	24.17 -0.25 0.81	24.38 -0.21 0.96	22.55 -0.14 1.46	20.92 0.02 0.00	37.29 0.13 0.00	32.96 0.24 0.00	33.28 0.27 0.00	36.63 0.25 -0.04	37.48 0.28 0.00	38.05 0.34 0.00	36.64 0.33 -0.50	34.53 0.13 0.00	263.84 1.08 0.00	399.89 0.85 0.00	38.36 0.30 0.00	23.56 0.31 0.00	27.31 0.29 -0.02	32.76 0.25 -0.05	28.29 0.10 0.00	16.57 0.07 0.68
ONONDAGA___COGEN 23986	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.95 0.24 0.00	33.24 0.23 0.00	36.62 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.84 0.28 -0.74	34.51 0.11 0.00	263.72 0.96 0.00	399.30 0.26 0.00	38.34 0.28 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.25 -0.07	28.30 0.11 0.00	16.61 0.08 0.64
ONTARIO___LFGE 23819	4.66 -0.29 0.91	25.37 -0.24 0.57	24.79 -0.39 0.00	24.29 -0.44 0.00	24.78 -0.46 0.00	25.18 -0.37 0.00	23.91 -0.25 0.00	20.97 0.07 0.00	37.37 0.21 0.00	33.17 0.46 0.00	33.43 0.41 0.00	36.50 0.14 -0.02	37.19 -0.01 0.00	38.28 0.02 -0.54	36.24 0.19 -0.25	34.69 -0.24 -0.53	262.41 -0.41 -0.06	395.95 -3.09 0.00	38.57 0.52 0.00	24.03 0.79 0.00	27.81 0.81 -0.01	33.23 0.74 -0.02	28.64 0.45 0.00	17.41 0.23 0.00
ORANGEVILLE_WT_PWR 323706	3.85 -0.83 1.17	24.18 -1.27 0.74	23.75 -1.43 0.00	23.23 -1.50 0.00	23.67 -1.56 0.00	24.09 -1.46 0.00	22.82 -1.34 0.00	20.15 -0.74 0.00	36.21 -0.94 0.00	32.23 -0.48 0.00	32.22 -0.79 0.00	34.58 -1.76 0.00	34.83 -2.36 0.00	32.14 -2.51 3.06	33.18 -2.63 0.00	28.76 -2.70 2.93	246.02 -16.44 0.31	379.57 -25.02 -5.54	36.78 -1.27 0.00	23.13 -0.11 0.00	26.91 -0.07 0.00	32.09 -0.37 0.00	27.62 -0.58 0.00	16.78 -0.40 0.00
ORANGEVILLE___ESR 323794	3.85 -0.83 1.17	24.18 -1.27 0.74	23.75 -1.43 0.00	23.23 -1.50 0.00	23.67 -1.56 0.00	24.09 -1.46 0.00	22.82 -1.34 0.00	20.15 -0.74 0.00	36.21 -0.94 0.00	32.23 -0.48 0.00	32.22 -0.79 0.00	34.58 -1.76 0.00	34.83 -2.36 0.00	32.14 -2.51 3.06	33.18 -2.63 0.00	28.76 -2.70 2.93	246.02 -16.44 0.31	379.57 -25.02 -5.54	36.78 -1.27 0.00	23.13 -0.11 0.00	26.91 -0.07 0.00	32.09 -0.37 0.00	27.62 -0.58 0.00	16.78 -0.40 0.00
OSWEGATCHIE___HYD 24044	5.58 -0.28 0.00	25.17 -1.02 0.00	23.55 -1.13 0.50	3.30 -1.36 20.06	-28.26 -1.07 52.42	-31.21 -1.04 55.71	-37.93 -0.94 61.15	20.21 -0.69 0.00	36.07 -1.09 0.00	31.82 -0.89 0.00	31.79 -1.22 0.00	34.95 -1.41 -0.02	35.73 -1.47 0.00	36.38 -1.33 0.00	18.17 -1.30 16.34	-42.02 -1.18 75.24	238.74 -8.66 15.37	387.82 -11.22 0.00	36.44 -1.62 0.00	22.19 -1.05 0.00	26.04 -0.97 -0.01	31.39 -1.10 -0.03	26.84 -1.35 0.00	-17.41 -1.04 33.54
OSWEGO___5 23606	5.65 -0.21 0.00	25.55 -0.64 0.00	24.51 -0.68 0.00	24.03 -0.70 0.00	24.51 -0.73 0.00	24.86 -0.69 0.00	23.54 -0.63 0.00	20.46 -0.44 0.00	36.41 -0.75 0.00	32.13 -0.58 0.00	32.41 -0.60 0.00	35.86 -0.72 -0.23	36.46 -0.74 0.00	36.96 -0.75 0.00	38.19 -0.72 -3.10	33.64 -0.75 0.00	257.14 -5.62 0.00	389.48 -9.56 0.00	37.36 -0.69 0.00	22.92 -0.33 0.00	26.71 -0.43 -0.15	32.18 -0.57 -0.28	27.63 -0.57 0.00	16.86 -0.32 0.00
OSWEGO___6 23613	5.65 -0.21 0.00	25.55 -0.64 0.00	24.51 -0.68 0.00	24.03 -0.70 0.00	24.51 -0.73 0.00	24.86 -0.69 0.00	23.54 -0.63 0.00	20.46 -0.44 0.00	36.41 -0.75 0.00	32.13 -0.58 0.00	32.41 -0.60 0.00	35.86 -0.72 -0.23	36.46 -0.74 0.00	36.96 -0.75 0.00	38.19 -0.72 -3.10	33.64 -0.75 0.00	257.14 -5.62 0.00	389.48 -9.56 0.00	37.36 -0.69 0.00	22.92 -0.33 0.00	26.71 -0.43 -0.15	32.18 -0.57 -0.28	27.63 -0.57 0.00	16.86 -0.32 0.00



OUTOKUMPU-AB___DRP 24206	4.34 -0.72 0.80	24.34 -1.34 0.50	23.64 -1.54 0.00	23.21 -1.52 0.00	23.54 -1.69 0.00	24.02 -1.52 0.00	22.68 -1.48 0.00	20.05 -0.85 0.00	35.69 -1.47 0.00	31.64 -1.07 0.00	31.66 -1.35 0.00	34.22 -2.12 0.00	34.70 -2.50 0.00	34.24 -2.77 0.69	33.01 -2.80 0.00	30.61 -3.09 0.69	243.15 -19.58 0.03	373.35 -30.28 -4.59	36.28 -1.77 0.00	22.64 -0.60 0.00	26.23 -0.76 0.00	31.46 -1.01 0.00	27.12 -1.07 0.00	16.61 -0.57 0.00
OXBOW___BTM 323836	4.24 -0.83 0.78	24.00 -1.69 0.49	23.31 -1.87 0.00	22.91 -1.82 0.00	23.22 -2.02 0.00	23.69 -1.86 0.00	22.36 -1.80 0.00	19.75 -1.15 0.00	35.14 -2.02 0.00	31.15 -1.57 0.00	31.17 -1.85 0.00	33.72 -2.63 0.00	34.11 -3.10 0.00	33.65 -3.36 0.70	32.44 -3.37 0.00	30.04 -3.66 0.69	238.44 -24.28 0.05	366.41 -37.17 -4.54	35.65 -2.40 0.00	22.25 -0.99 0.00	25.72 -1.27 0.00	30.89 -1.57 0.00	26.68 -1.51 0.00	16.36 -0.82 0.00
OXBOW___ 24026	4.28 -0.79 0.78	24.00 -1.69 0.49	23.31 -1.87 0.00	22.90 -1.83 0.00	23.22 -2.02 0.00	23.69 -1.86 0.00	22.35 -1.81 0.00	19.73 -1.16 0.00	35.12 -2.04 0.00	31.13 -1.58 0.00	31.15 -1.87 0.00	33.66 -2.69 0.00	34.09 -3.11 0.00	33.63 -3.39 0.70	32.44 -3.37 0.00	30.03 -3.68 0.69	238.56 -24.16 0.05	366.26 -37.32 -4.54	35.62 -2.43 0.00	22.22 -1.03 0.00	25.71 -1.27 0.00	30.88 -1.59 0.00	26.67 -1.52 0.00	16.36 -0.82 0.00
OXY_CHEM_DSASP 323612	4.23 -0.85 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.66 -2.07 0.00	22.96 -2.27 0.00	23.42 -2.13 0.00	22.08 -2.09 0.00	19.48 -1.42 0.00	34.60 -2.56 0.00	30.65 -2.06 0.00	30.67 -2.34 0.00	33.11 -3.23 0.00	33.63 -3.57 0.00	33.20 -3.81 0.70	32.04 -3.77 0.00	29.62 -4.09 0.68	235.24 -27.44 0.09	361.02 -42.51 -4.48	35.12 -2.93 0.00	21.91 -1.33 0.00	25.30 -1.68 0.00	30.44 -2.03 0.00	26.28 -1.91 0.00	16.13 -1.05 0.00
OZONE_PARK_ESR 323760	106.99 0.84 -100.30	33.23 2.76 -4.29	28.61 2.58 -0.85	27.23 2.50 0.00	27.70 2.47 0.00	29.32 2.57 -1.20	44.19 2.42 -17.61	68.24 2.46 -44.89	43.65 4.53 -1.96	42.90 4.11 -6.08	40.26 4.50 -2.75	42.12 4.95 -0.82	42.10 4.90 0.00	42.78 5.06 0.00	41.28 4.92 -0.55	41.67 4.89 -2.38	298.69 35.92 0.00	484.95 54.63 -31.27	70.06 5.16 -26.85	164.64 2.78 -138.62	52.90 3.17 -22.74	47.47 3.71 -11.30	34.62 3.31 -3.12	40.75 2.08 -21.49
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	4.23 -0.85 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.66 -2.07 0.00	22.96 -2.27 0.00	23.42 -2.13 0.00	22.08 -2.09 0.00	19.48 -1.42 0.00	34.60 -2.56 0.00	30.65 -2.06 0.00	30.67 -2.34 0.00	33.11 -3.23 0.00	33.63 -3.57 0.00	33.20 -3.81 0.70	32.04 -3.77 0.00	29.62 -4.09 0.68	235.24 -27.44 0.09	361.02 -42.51 -4.48	35.12 -2.93 0.00	21.91 -1.33 0.00	25.30 -1.68 0.00	30.44 -2.03 0.00	26.28 -1.91 0.00	16.13 -1.05 0.00
PACKARD__115KV_DUPONT_184 80571	4.23 -0.85 0.76	23.71 -1.99 0.48	23.04 -2.14 0.00	22.66 -2.07 0.00	22.96 -2.27 0.00	23.42 -2.13 0.00	22.08 -2.09 0.00	19.48 -1.42 0.00	34.60 -2.56 0.00	30.65 -2.06 0.00	30.67 -2.34 0.00	33.11 -3.23 0.00	33.63 -3.57 0.00	33.20 -3.81 0.70	32.04 -3.77 0.00	29.62 -4.09 0.68	235.24 -27.44 0.09	361.02 -42.51 -4.48	35.12 -2.93 0.00	21.91 -1.33 0.00	25.30 -1.68 0.00	30.44 -2.03 0.00	26.28 -1.91 0.00	16.13 -1.05 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	106.96 0.82 -100.29	32.89 2.41 -4.29	28.28 2.25 -0.85	26.90 2.16 0.00	27.38 2.15 0.00	28.99 2.24 -1.20	43.88 2.12 -17.60	67.91 2.09 -44.92	42.96 3.84 -1.96	42.30 3.33 -6.26	39.59 3.74 -2.84	41.34 4.14 -0.85	41.41 4.21 0.00	42.18 4.46 0.00	40.67 4.31 -0.55	41.09 4.31 -2.38	293.39 30.62 0.00	477.42 47.10 -31.27	69.25 4.36 -26.84	164.09 2.24 -138.62	52.29 2.56 -22.74	46.75 2.98 -11.31	34.11 2.79 -3.13	40.49 1.83 -21.48
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	107.04 0.90 -100.29	33.33 2.85 -4.29	28.71 2.67 -0.85	27.29 2.56 0.00	27.78 2.55 0.00	29.40 2.65 -1.20	44.26 2.49 -17.60	68.26 2.43 -44.92	43.52 4.40 -1.96	42.65 3.68 -6.26	40.08 4.23 -2.84	41.72 4.53 -0.85	41.91 4.71 0.00	42.73 5.02 0.00	41.23 4.87 -0.55	41.67 4.89 -2.38	297.69 34.92 0.00	483.45 53.13 -31.27	69.91 5.01 -26.84	164.50 2.64 -138.62	52.78 3.05 -22.74	47.33 3.56 -11.31	34.59 3.27 -3.13	40.78 2.12 -21.48
PATROON__115KV_TB1 80586	24.64 0.34 -18.45	27.85 1.03 -0.64	26.35 1.03 -0.14	25.80 1.07 0.00	26.31 1.07 0.00	26.80 1.06 -0.20	28.02 0.98 -2.88	28.96 0.96 -7.10	39.15 1.67 -0.32	33.97 1.27 0.00	34.35 1.34 0.00	37.84 1.50 0.00	38.79 1.60 0.00	39.42 1.71 0.00	38.28 1.66 -0.81	37.20 1.69 -1.10	275.37 12.61 0.00	521.32 19.73 -102.55	44.23 1.59 -4.58	47.65 0.94 -23.47	33.21 1.09 -5.14	36.48 1.27 -2.76	30.10 1.19 -0.72	21.47 0.77 -3.51
PATTRSNVILLE___SOLAR 323815	21.75 0.37 -15.53	28.06 1.34 -0.54	26.55 1.25 -0.12	25.99 1.26 0.00	26.49 1.26 0.00	27.00 1.29 -0.17	27.87 1.26 -2.45	28.09 1.16 -6.04	39.27 1.84 -0.27	34.18 1.48 0.00	34.29 1.28 0.00	37.72 1.38 0.00	38.66 1.46 0.00	39.24 1.53 0.00	38.75 1.57 -1.37	37.94 1.67 -1.87	279.20 16.44 0.00	571.82 24.41 -148.37	43.82 1.93 -3.84	44.19 1.26 -19.69	32.85 1.56 -4.31	36.62 1.85 -2.31	30.36 1.57 -0.61	21.09 0.93 -2.99
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	4.25 -0.68 0.92	24.60 -1.01 0.58	23.97 -1.21 0.00	23.49 -1.24 0.00	23.89 -1.34 0.00	24.35 -1.20 0.00	23.01 -1.15 0.00	20.33 -0.57 0.00	36.38 -0.78 0.00	32.35 -0.36 0.00	32.44 -0.57 0.00	35.12 -1.22 0.00	35.64 -1.56 0.00	35.30 -1.63 0.79	34.08 -1.73 0.00	31.69 -1.95 0.76	251.83 -10.87 0.07	386.16 -17.97 -5.08	37.29 -0.76 0.00	23.25 0.01 0.00	27.02 0.03 0.00	32.26 -0.20 0.00	27.73 -0.46 0.00	16.90 -0.28 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	54.62 0.66 -48.11	30.29 2.14 -1.96	27.47 2.00 -0.28	26.68 1.95 0.00	27.16 1.93 0.00	27.93 1.99 -0.39	31.84 1.91 -5.77	37.08 1.96 -14.23	41.45 3.65 -0.64	36.01 3.30 0.00	36.70 3.68 0.00	40.47 4.13 0.00	41.40 4.20 0.00	42.12 4.41 0.00	40.64 4.34 -0.49	40.47 4.34 -1.73	295.29 32.53 0.00	480.53 49.57 -31.91	63.55 4.64 -20.85	133.78 2.60 -107.93	45.97 2.96 -16.02	43.59 3.42 -7.71	33.04 2.93 -1.93	26.00 1.78 -7.04
PEEKSKILL___ 23653	211.11 0.64 -204.62	42.54 1.95 -14.40	28.01 1.83 -1.00	26.51 1.78 0.00	26.99 1.75 0.00	28.78 1.82 -1.41	46.53 1.70 -20.66	73.64 1.76 -50.98	42.75 3.29 -2.30	35.70 2.98 0.00	36.38 3.37 0.00	40.07 3.72 0.00	40.93 3.73 0.00	41.60 3.89 0.00	40.12 3.77 -0.53	40.85 3.78 -2.68	290.49 27.73 0.00	472.17 42.25 -30.87	70.71 3.92 -28.74	173.67 2.15 -148.28	54.47 2.47 -25.02	47.84 2.83 -12.54	34.09 2.48 -3.42	43.95 1.56 -25.21
PGE MADISON___WINDPWR 24146	7.15 -0.17 -1.47	28.61 1.50 -0.93	26.55 1.36 0.00	25.98 1.25 0.00	26.75 1.51 0.00	27.52 1.97 0.00	26.20 2.03 0.00	22.81 1.91 0.00	40.53 3.37 0.00	35.68 2.97 0.00	35.82 2.81 0.00	39.07 2.70 -0.02	39.54 2.34 0.00	39.92 2.07 -0.14	38.17 2.07 -0.29	36.61 2.08 -0.13	283.26 20.48 -0.01	442.11 29.35 -13.72	40.46 2.40 0.00	25.29 2.05 0.00	29.94 2.93 -0.01	36.04 3.55 -0.03	30.96 2.77 0.00	18.78 1.61 0.00



PIERCEFIELD___HYD 23852	5.54 -0.31 0.00	24.86 -1.33 0.00	23.12 -1.32 0.74	3.01 -1.37 20.36	-23.97 -1.27 47.94	-29.26 -1.32 53.49	-46.36 -1.31 69.22	19.63 -1.27 0.00	34.90 -2.26 0.00	30.77 -1.94 0.00	30.71 -2.30 0.00	33.92 -2.43 -0.01	34.69 -2.50 0.00	35.19 -2.52 0.00	25.16 -2.23 8.42	-17.02 -2.26 49.16	237.35 -17.50 7.92	374.32 -24.73 0.00	35.37 -2.68 0.00	21.54 -1.70 0.00	25.24 -1.75 -0.01	30.58 -1.90 -0.01	26.46 -1.73 0.00	-17.84 -1.21 33.80
PINELAWN_CC_1 323563	108.71 0.80 -102.05	42.86 2.33 -14.34	57.32 2.28 -29.85	54.39 2.24 -27.42	51.69 2.21 -24.24	41.22 2.29 -13.38	44.08 2.15 -17.77	68.16 2.10 -45.17	48.12 4.01 -6.95	58.90 3.72 -22.47	55.88 4.07 -18.80	56.03 4.32 -15.36	80.77 4.31 -39.27	111.01 4.52 -68.78	121.42 4.41 -81.20	89.73 4.39 -50.94	350.70 30.89 -57.05	612.24 49.30 -163.90	118.90 4.63 -76.22	179.85 2.41 -154.19	73.12 2.91 -43.21	49.30 3.30 -13.53	36.69 2.85 -5.65	55.86 1.85 -36.83
PJM_GEN_HTTP_PROXY 323702	100.22 0.71 -93.65	32.75 2.28 -4.29	28.17 2.14 -0.85	26.80 2.07 0.00	27.28 2.04 0.00	28.88 2.13 -1.20	43.78 2.00 -17.61	67.39 2.08 -44.42	47.10 3.84 -6.10	42.07 3.49 -5.87	39.54 3.87 -2.66	41.38 4.25 -0.80	41.38 4.19 0.00	42.06 4.35 0.00	40.58 4.23 -0.55	40.99 4.21 -2.38	293.45 30.69 0.00	357.79 46.73 87.99	69.26 4.36 -26.85	164.20 2.33 -138.64	52.39 2.66 -22.74	46.82 3.05 -11.30	34.04 2.73 -3.12	44.28 1.75 -25.36
PJM_GEN_KEystone 24065	-108.53 0.01 114.40	22.12 0.37 4.43	24.08 0.25 1.35	24.93 0.20 0.00	25.42 0.19 0.00	23.91 0.27 1.91	-4.00 0.24 28.40	-49.45 0.54 70.88	40.08 1.21 -1.71	34.42 1.28 -0.43	34.66 1.46 -0.19	37.77 1.37 -0.06	38.40 1.20 0.00	38.79 1.24 0.16	37.22 1.13 -0.28	37.07 1.12 -1.56	272.16 9.41 0.02	311.65 12.79 100.19	56.72 1.45 -17.21	108.67 0.96 -84.47	43.36 1.10 -15.27	50.75 1.15 -17.14	20.59 0.88 8.48	-13.05 0.56 30.79
PJM_GEN_NEPTUNE_PROXY 323594	101.71 0.78 -95.08	39.92 2.31 -11.42	43.80 2.20 -16.42	41.59 2.15 -14.71	40.37 2.13 -13.01	35.49 2.20 -7.74	43.98 2.05 -17.77	67.35 2.02 -44.43	49.94 3.83 -8.95	46.41 3.52 -10.17	45.73 3.89 -8.83	47.66 4.27 -7.05	58.24 4.26 -16.79	61.81 4.45 -19.65	64.23 4.32 -24.10	48.71 4.27 -10.05	298.77 30.24 -5.76	381.03 47.55 65.57	74.17 4.43 -31.68	166.79 2.34 -141.21	58.29 2.80 -28.51	47.98 3.20 -12.32	35.75 2.79 -4.76	52.81 1.81 -33.82
PJM_GEN_VFT_PROXY 323633	39.69 0.73 -33.10	32.69 2.21 -4.29	28.10 2.07 -0.85	26.74 2.01 0.00	27.21 1.97 0.00	28.81 2.06 -1.20	36.77 1.91 -10.70	43.47 1.99 -20.58	46.94 3.68 -6.10	42.17 3.38 -6.08	39.55 3.78 -2.75	41.34 4.17 -0.82	41.29 4.09 0.00	41.93 4.22 0.00	40.44 4.08 -0.55	40.84 4.06 -2.38	292.31 29.55 0.00	355.81 44.76 87.99	69.13 4.23 -26.85	103.01 2.17 -77.60	48.20 2.50 -18.71	46.17 2.89 -10.81	33.95 2.64 -3.12	35.90 1.70 -17.02
PLATSBURG_115KV_PMLD1 355749	5.80 -0.06 0.00	26.18 -0.01 0.00	25.18 0.00 0.00	23.28 -0.03 1.41	20.84 0.11 4.50	21.07 -0.08 4.39	20.80 -0.15 3.21	20.51 -0.38 0.00	36.50 -0.66 0.00	31.95 -0.76 0.00	31.73 -1.28 0.00	34.86 -1.48 0.00	35.66 -1.53 0.00	36.15 -1.56 0.00	31.92 -1.45 2.44	3.49 -1.55 29.36	250.01 -10.48 2.27	383.11 -15.93 0.00	36.31 -1.75 0.00	22.24 -1.00 0.00	25.95 -1.04 0.00	31.55 -0.92 0.00	27.86 -0.33 0.00	14.38 -0.49 2.31
PLEASANTVLY___LBMP 24000	69.37 0.56 -62.95	30.44 1.69 -2.56	27.14 1.59 -0.36	26.31 1.58 0.00	26.79 1.55 0.00	27.67 1.61 -0.51	33.17 1.53 -7.48	40.93 1.58 -18.46	40.90 2.91 -0.83	35.28 2.57 0.00	35.88 2.87 0.00	39.55 3.20 0.00	40.42 3.23 0.00	41.08 3.37 0.00	39.73 3.28 -0.64	39.43 3.28 -1.75	286.78 24.02 0.00	468.82 36.65 -33.12	62.86 3.38 -21.43	136.11 1.89 -110.98	45.04 2.16 -15.89	42.49 2.48 -7.54	32.44 2.19 -2.06	27.68 1.37 -9.13
PLSNTVLE_13_KV_13.8KVDIST 80602	95.80 0.65 -89.29	31.97 2.06 -3.73	27.77 1.94 -0.66	26.61 1.88 0.00	27.09 1.85 0.00	28.38 1.92 -0.93	39.53 1.83 -13.54	56.18 1.87 -33.41	42.15 3.48 -1.51	35.85 3.14 0.00	36.50 3.49 0.00	40.22 3.88 0.00	41.08 3.89 0.00	41.77 4.06 0.00	40.31 3.95 -0.55	40.43 3.94 -2.10	291.76 29.00 0.00	474.72 44.14 -31.54	67.31 4.11 -25.15	155.45 2.26 -129.95	50.29 2.57 -20.73	45.63 2.96 -10.22	33.61 2.60 -2.82	35.34 1.63 -16.52
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	95.80 0.65 -89.29	31.97 2.06 -3.73	27.77 1.94 -0.66	26.61 1.88 0.00	27.09 1.85 0.00	28.38 1.92 -0.93	39.53 1.83 -13.54	56.18 1.87 -33.41	42.15 3.48 -1.51	35.85 3.14 0.00	36.50 3.49 0.00	40.22 3.88 0.00	41.08 3.89 0.00	41.77 4.06 0.00	40.31 3.95 -0.55	40.43 3.94 -2.10	291.76 29.00 0.00	474.72 44.14 -31.54	67.31 4.11 -25.15	155.45 2.26 -129.95	50.29 2.57 -20.73	45.63 2.96 -10.22	33.61 2.60 -2.82	35.34 1.63 -16.52
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	34.51 0.60 -28.06	29.03 1.87 -0.97	27.09 1.75 -0.16	26.45 1.72 0.00	26.93 1.70 0.00	27.52 1.75 -0.22	29.11 1.68 -3.27	30.69 1.73 -8.07	40.72 3.20 -0.36	35.59 2.88 0.00	36.22 3.21 0.00	39.94 3.60 0.00	40.86 3.67 0.00	41.57 3.86 0.00	40.09 3.77 -0.51	39.84 3.82 -1.63	291.44 28.68 0.00	476.26 43.99 -33.23	60.44 4.09 -18.30	120.35 2.31 -94.80	42.95 2.64 -13.33	41.78 3.03 -6.28	32.28 2.61 -1.48	22.76 1.59 -3.99
POLETTI_____ 23519	106.89 0.73 -100.30	32.77 2.29 -4.29	28.19 2.16 -0.85	26.82 2.09 0.00	27.29 2.05 0.00	28.89 2.14 -1.20	43.79 2.01 -17.61	67.87 2.09 -44.89	42.97 3.85 -1.96	42.27 3.48 -6.08	39.61 3.85 -2.75	41.39 4.23 -0.82	41.36 4.17 0.00	42.03 4.32 0.00	40.57 4.21 -0.55	40.97 4.19 -2.38	293.20 30.43 0.00	476.67 46.35 -31.27	69.25 4.35 -26.85	164.16 2.29 -138.62	52.34 2.62 -22.74	46.80 3.03 -11.30	34.04 2.73 -3.12	40.41 1.75 -21.49
POMONA___ESR 323819	-119.64 0.63 126.12	22.52 1.92 5.59	25.71 1.79 1.27	26.47 1.74 0.00	26.94 1.71 0.00	25.52 1.76 1.79	-0.39 1.63 26.18	-42.00 1.70 64.60	37.42 3.18 2.92	35.64 2.93 0.00	36.39 3.38 0.00	40.10 3.75 0.00	40.98 3.78 0.00	41.65 3.94 0.00	40.12 3.82 -0.49	42.14 3.83 -3.91	291.18 28.42 0.00	471.95 43.02 -29.90	79.57 3.98 -37.53	218.72 2.20 -193.29	64.81 2.52 -35.30	53.44 2.87 -18.11	32.60 2.48 -1.94	-13.23 1.55 31.95
PORT_JEFF_3 23555	108.82 0.92 -102.05	43.20 2.67 -14.34	57.54 2.50 -29.85	54.58 2.43 -27.42	51.86 2.39 -24.24	41.39 2.47 -13.38	44.26 2.32 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.90 4.05 -36.13	89.99 4.29 -52.69	88.27 4.61 -47.32	167.63 4.52 -125.92	257.34 4.65 -214.98	280.02 4.47 -239.73	241.20 4.41 -202.39	358.64 30.10 -65.78	588.29 49.14 -140.11	334.14 4.60 -291.48	225.27 2.37 -199.65	157.35 3.01 -127.35	62.53 3.47 -26.60	38.09 3.05 -6.85	57.56 2.07 -38.31
PORT_JEFF_4 23616	108.82 0.92 -102.05	43.20 2.67 -14.34	57.54 2.50 -29.85	54.58 2.43 -27.42	51.86 2.39 -24.24	41.39 2.47 -13.38	44.26 2.32 -17.77	68.33 2.27 -45.17	48.47 4.36 -6.95	72.90 4.05 -36.13	89.99 4.29 -52.69	88.27 4.61 -47.32	167.63 4.52 -125.92	257.34 4.65 -214.98	280.02 4.47 -239.73	241.20 4.41 -202.39	358.64 30.10 -65.78	588.29 49.14 -140.11	334.14 4.60 -291.48	225.27 2.37 -199.65	157.35 3.01 -127.35	62.53 3.47 -26.60	38.09 3.05 -6.85	57.56 2.07 -38.31



PORT_JEFF_IC 23713	108.86 0.96 -102.05	43.30 2.77 -14.34	57.62 2.59 -29.85	54.65 2.50 -27.42	51.91 2.44 -24.24	41.44 2.52 -13.38	44.31 2.38 -17.77	68.39 2.32 -45.17	48.59 4.48 -6.95	74.39 4.18 -37.50	95.70 4.45 -58.24	93.58 4.69 -52.55	182.12 4.63 -140.28	283.57 4.80 -241.06	308.65 4.64 -268.20	268.47 4.57 -229.50	372.02 31.11 -78.15	597.31 50.90 -147.37	372.24 4.78 -329.41	247.04 2.44 -221.35	171.88 3.11 -141.79	64.76 3.56 -28.74	38.32 3.09 -7.04	57.78 2.14 -38.45
PPL PILGRIM_ST_GT1 24216	108.83 0.92 -102.05	43.32 2.79 -14.34	57.68 2.64 -29.85	54.72 2.58 -27.42	52.04 2.56 -24.24	41.55 2.63 -13.38	44.41 2.48 -17.77	68.47 2.40 -45.17	48.72 4.60 -6.95	77.08 4.24 -40.13	61.37 4.47 -23.89	61.41 4.91 -20.16	93.54 4.73 -51.62	125.92 4.90 -83.31	136.88 4.75 -96.32	104.78 4.70 -65.69	336.43 32.66 -41.01	579.24 52.84 -127.36	142.29 4.95 -99.28	179.86 2.60 -154.02	83.73 3.19 -53.55	51.58 3.62 -15.49	37.49 3.30 -6.00	58.12 2.19 -38.75
PPL PILGRIM_ST_GT2 24217	108.83 0.92 -102.05	43.32 2.79 -14.34	57.68 2.64 -29.85	54.72 2.58 -27.42	52.04 2.56 -24.24	41.55 2.63 -13.38	44.41 2.48 -17.77	68.47 2.40 -45.17	48.72 4.60 -6.95	77.08 4.24 -40.13	61.37 4.47 -23.89	61.41 4.91 -20.16	93.54 4.73 -51.62	125.92 4.90 -83.31	136.88 4.75 -96.32	104.78 4.70 -65.69	336.43 32.66 -41.01	579.24 52.84 -127.36	142.29 4.95 -99.28	179.86 2.60 -154.02	83.73 3.19 -53.55	51.58 3.62 -15.49	37.49 3.30 -6.00	58.12 2.19 -38.75
PPL_SHRM_GT3 24213	108.81 0.90 -102.05	43.12 2.59 -14.34	57.44 2.41 -29.85	54.48 2.34 -27.42	51.79 2.31 -24.24	41.31 2.38 -13.38	44.19 2.26 -17.77	68.32 2.25 -45.17	48.55 4.43 -6.95	73.28 4.18 -36.39	91.00 4.53 -53.46	89.38 4.99 -48.05	170.09 4.96 -127.93	261.64 5.21 -218.72	284.70 5.07 -243.82	245.56 4.88 -206.29	362.27 31.15 -68.36	593.36 52.53 -141.79	340.29 5.33 -296.90	229.68 2.72 -203.72	159.77 3.39 -129.40	63.20 3.84 -26.90	38.33 3.27 -6.88	57.64 2.12 -38.34
PPL_SHRM_GT4 24214	108.81 0.90 -102.05	43.12 2.59 -14.34	57.44 2.41 -29.85	54.48 2.34 -27.42	51.79 2.31 -24.24	41.31 2.38 -13.38	44.19 2.26 -17.77	68.32 2.25 -45.17	48.55 4.43 -6.95	73.28 4.18 -36.39	91.00 4.53 -53.46	89.38 4.99 -48.05	170.09 4.96 -127.93	261.64 5.21 -218.72	284.70 5.07 -243.82	245.56 4.88 -206.29	362.27 31.15 -68.36	593.36 52.53 -141.79	340.29 5.33 -296.90	229.68 2.72 -203.72	159.77 3.39 -129.40	63.20 3.84 -26.90	38.33 3.27 -6.88	57.64 2.12 -38.34
PROJECT___ORANGE 1 24174	5.72 -0.13 0.00	25.93 -0.25 0.00	24.84 -0.33 0.02	23.95 -0.35 0.42	23.99 -0.35 0.89	24.17 -0.32 1.06	22.31 -0.25 1.61	20.83 -0.06 0.00	37.12 -0.04 0.00	32.81 0.09 0.00	33.12 0.11 0.00	36.43 0.06 -0.03	37.27 0.08 0.00	37.82 0.11 0.00	36.33 0.12 -0.40	34.37 -0.03 0.00	262.74 -0.02 0.00	397.80 -1.25 0.00	38.16 0.11 0.00	23.42 0.18 0.00	27.15 0.14 -0.02	32.59 0.09 -0.04	28.16 -0.04 0.00	16.43 -0.01 0.74
PROJECT___ORANGE 2 24166	5.72 -0.13 0.00	25.93 -0.25 0.00	24.84 -0.33 0.02	23.95 -0.35 0.42	23.99 -0.35 0.89	24.17 -0.32 1.06	22.31 -0.25 1.61	20.83 -0.06 0.00	37.12 -0.04 0.00	32.81 0.09 0.00	33.12 0.11 0.00	36.43 0.06 -0.03	37.27 0.08 0.00	37.82 0.11 0.00	36.33 0.12 -0.40	34.37 -0.03 0.00	262.74 -0.02 0.00	397.80 -1.25 0.00	38.16 0.11 0.00	23.42 0.18 0.00	27.15 0.14 -0.02	32.59 0.09 -0.04	28.16 -0.04 0.00	16.43 -0.01 0.74
PUCKETT___SOLAR 323809	5.67 -0.18 0.00	26.54 0.35 0.00	25.46 0.28 0.00	24.94 0.21 0.00	25.53 0.30 0.00	26.05 0.50 0.00	24.70 0.54 0.00	21.53 0.63 0.00	38.34 1.18 0.00	33.85 1.14 0.00	34.12 1.11 0.00	37.27 0.91 -0.02	37.89 0.69 0.00	38.35 0.64 0.00	36.68 0.61 -0.26	35.17 0.78 0.00	269.01 6.25 0.00	420.06 8.44 -12.57	39.03 0.98 0.00	24.10 0.86 0.00	28.14 1.14 -0.01	33.80 1.31 -0.02	29.22 1.03 0.00	17.78 0.60 0.00
PYRITES___HYD 24023	5.67 -0.18 0.00	25.49 -0.70 0.00	23.67 -0.72 0.79	3.06 -0.75 20.91	-24.09 -0.65 48.68	-29.74 -0.67 54.62	-48.41 -0.68 71.89	20.10 -0.80 0.00	35.65 -1.51 0.00	31.36 -1.35 0.00	31.31 -1.70 0.00	34.58 -1.77 -0.01	35.32 -1.87 0.00	35.89 -1.82 0.00	26.79 -1.25 7.77	-13.97 -1.36 47.00	243.93 -11.53 7.30	383.08 -15.96 0.00	36.10 -1.95 0.00	22.05 -1.19 0.00	25.96 -1.03 -0.01	31.47 -1.01 -0.01	27.22 -0.97 0.00	-18.28 -0.76 34.70
QUAKERRD_115KV_BK1 80622	5.02 -0.42 0.41	24.92 -1.01 0.26	24.05 -1.13 0.00	23.60 -1.13 0.00	24.01 -1.22 0.00	24.42 -1.12 0.00	23.12 -1.04 0.00	20.27 -0.63 0.00	36.07 -1.09 0.00	32.00 -0.71 0.00	32.20 -0.81 0.00	35.17 -1.17 0.00	36.07 -1.13 0.00	36.41 -1.31 -0.01	34.43 -1.39 0.00	32.76 -1.64 0.00	252.17 -10.59 0.00	382.49 -16.55 0.00	37.09 -0.96 0.00	22.94 -0.30 0.00	26.50 -0.49 0.00	31.84 -0.62 0.00	27.46 -0.73 0.00	16.75 -0.43 0.00
QUENSBRY_115KV_TB8 356137	23.73 0.54 -17.34	28.89 2.10 -0.60	27.07 1.76 -0.13	26.52 1.79 0.00	26.79 1.56 0.00	27.37 1.64 -0.18	28.65 1.79 -2.70	29.39 1.83 -6.67	40.75 3.29 -0.30	35.23 2.52 0.00	35.26 2.25 0.00	39.08 2.74 0.00	40.14 2.95 0.00	40.66 2.96 0.00	41.11 2.96 -2.35	40.59 2.99 -3.21	287.79 25.03 0.00	578.52 36.58 -142.89	44.37 2.07 -4.25	46.40 1.40 -21.76	33.45 1.69 -4.77	37.04 2.02 -2.55	30.52 1.66 -0.67	21.49 1.01 -3.30
RAMAPO___LBMP 323565	-118.36 0.60 124.81	22.36 1.77 5.60	25.63 1.66 1.22	26.34 1.61 0.00	26.81 1.58 0.00	25.46 1.63 1.72	0.52 1.51 25.16	-39.58 1.59 62.07	37.34 2.98 2.80	35.45 2.74 0.00	36.18 3.17 0.00	39.85 3.51 0.00	40.71 3.51 0.00	41.35 3.64 0.00	39.82 3.53 -0.48	41.25 3.54 -3.32	288.91 26.15 0.00	468.57 39.81 -29.71	74.90 3.68 -33.17	196.21 2.02 -170.95	59.78 2.33 -30.47	50.65 2.67 -15.52	31.99 2.30 -1.50	-12.08 1.44 30.70
RANKINE____ 23646	4.26 -0.70 0.90	24.53 -1.09 0.57	23.88 -1.30 0.00	23.42 -1.31 0.00	23.80 -1.44 0.00	24.25 -1.30 0.00	22.92 -1.25 0.00	20.27 -0.63 0.00	36.22 -0.94 0.00	32.17 -0.54 0.00	32.24 -0.77 0.00	34.85 -1.49 0.00	35.29 -1.91 0.00	34.71 -2.08 0.91	33.68 -2.13 0.00	31.17 -2.33 0.89	248.89 -13.78 0.09	382.01 -21.98 -4.95	37.01 -1.04 0.00	23.10 -0.14 0.00	26.83 -0.15 0.00	32.07 -0.40 0.00	27.58 -0.61 0.00	16.82 -0.36 0.00
RAVENSWOOD_GT2_1 24244	106.88 0.74 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.82 2.05 -17.60	67.92 2.11 -44.92	43.01 3.89 -1.96	42.49 3.51 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.57 4.21 -0.55	40.98 4.20 -2.38	293.20 30.44 0.00	476.72 46.40 -31.27	69.24 4.34 -26.84	164.15 2.29 -138.61	52.35 2.63 -22.73	46.80 3.04 -11.30	34.06 2.75 -3.12	40.42 1.76 -21.48
RAVENSWOOD_GT2_2 24245	106.88 0.74 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.82 2.05 -17.60	67.92 2.11 -44.92	43.01 3.89 -1.96	42.49 3.51 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.57 4.21 -0.55	40.98 4.20 -2.38	293.20 30.44 0.00	476.72 46.40 -31.27	69.24 4.34 -26.84	164.15 2.29 -138.61	52.35 2.63 -22.73	46.80 3.04 -11.30	34.06 2.75 -3.12	40.42 1.76 -21.48



RAVENSWOOD_GT2_3 24246	106.88 0.74 -100.29	32.81 2.34 -4.29	28.23 2.19 -0.85	26.85 2.12 0.00	27.33 2.09 0.00	28.93 2.19 -1.20	43.83 2.07 -17.60	67.94 2.12 -44.92	43.04 3.92 -1.96	42.52 3.54 -6.26	39.74 3.89 -2.84	41.44 4.25 -0.85	41.40 4.21 0.00	42.08 4.37 0.00	40.60 4.25 -0.55	41.01 4.23 -2.38	293.46 30.70 0.00	477.07 46.75 -31.27	69.27 4.38 -26.84	164.17 2.32 -138.61	52.36 2.64 -22.73	46.83 3.07 -11.30	34.08 2.77 -3.12	40.44 1.78 -21.48
RAVENSWOOD_GT2_4 24247	106.88 0.74 -100.29	32.81 2.34 -4.29	28.23 2.19 -0.85	26.85 2.12 0.00	27.33 2.09 0.00	28.93 2.19 -1.20	43.83 2.07 -17.60	67.94 2.12 -44.92	43.04 3.92 -1.96	42.52 3.54 -6.26	39.74 3.89 -2.84	41.44 4.25 -0.85	41.40 4.21 0.00	42.08 4.37 0.00	40.60 4.25 -0.55	41.01 4.23 -2.38	293.46 30.70 0.00	477.07 46.75 -31.27	69.27 4.38 -26.84	164.17 2.32 -138.61	52.36 2.64 -22.73	46.83 3.07 -11.30	34.08 2.77 -3.12	40.44 1.78 -21.48
RAVENSWOOD_GT3_1 24248	106.89 0.75 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.32 2.08 0.00	28.92 2.17 -1.20	43.82 2.06 -17.60	67.92 2.11 -44.92	43.01 3.89 -1.96	42.49 3.51 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.57 4.21 -0.55	40.98 4.20 -2.38	293.23 30.47 0.00	476.72 46.40 -31.27	69.24 4.34 -26.84	164.15 2.29 -138.61	52.35 2.63 -22.73	46.81 3.04 -11.30	34.06 2.75 -3.12	40.42 1.76 -21.48
RAVENSWOOD_GT3_2 24249	106.89 0.75 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.32 2.08 0.00	28.92 2.17 -1.20	43.82 2.06 -17.60	67.92 2.11 -44.92	43.01 3.89 -1.96	42.49 3.51 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.57 4.21 -0.55	40.98 4.20 -2.38	293.23 30.47 0.00	476.72 46.40 -31.27	69.24 4.34 -26.84	164.15 2.29 -138.61	52.35 2.63 -22.73	46.81 3.04 -11.30	34.06 2.75 -3.12	40.42 1.76 -21.48
RAVENSWOOD_GT3_3 24250	106.90 0.76 -100.29	32.86 2.38 -4.29	28.27 2.23 -0.85	26.89 2.16 0.00	27.37 2.13 0.00	28.97 2.23 -1.20	43.87 2.10 -17.60	67.97 2.16 -44.92	43.10 3.98 -1.96	42.58 3.61 -6.26	39.81 3.96 -2.84	41.52 4.32 -0.85	41.48 4.28 0.00	42.17 4.45 0.00	40.67 4.32 -0.55	41.08 4.30 -2.38	294.02 31.26 0.00	477.91 47.60 -31.27	69.36 4.46 -26.84	164.22 2.36 -138.61	52.42 2.70 -22.73	46.90 3.13 -11.30	34.14 2.83 -3.12	40.47 1.81 -21.48
RAVENSWOOD_GT3_4 24251	106.90 0.76 -100.29	32.86 2.38 -4.29	28.27 2.23 -0.85	26.89 2.16 0.00	27.37 2.13 0.00	28.97 2.23 -1.20	43.87 2.10 -17.60	67.97 2.16 -44.92	43.10 3.98 -1.96	42.58 3.61 -6.26	39.81 3.96 -2.84	41.52 4.32 -0.85	41.48 4.28 0.00	42.17 4.45 0.00	40.67 4.32 -0.55	41.08 4.30 -2.38	294.02 31.26 0.00	477.91 47.60 -31.27	69.36 4.46 -26.84	164.22 2.36 -138.61	52.42 2.70 -22.73	46.90 3.13 -11.30	34.14 2.83 -3.12	40.47 1.81 -21.48
RAVENSWOOD_GT_1 23729	106.93 0.79 -100.29	34.01 2.42 -5.41	28.29 2.25 -0.85	26.91 2.18 0.00	27.39 2.16 0.00	29.01 2.26 -1.20	43.93 2.16 -17.60	68.04 2.22 -44.92	43.19 4.07 -1.97	42.56 3.58 -6.26	40.77 3.91 -3.85	42.89 4.23 -2.32	45.13 4.22 -3.72	48.43 4.42 -6.30	46.59 4.29 -6.49	52.03 4.28 -13.35	293.51 30.75 0.00	477.11 46.79 -31.27	69.65 4.34 -27.25	116.53 2.21 -91.08	43.77 2.53 -14.25	40.13 2.94 -4.73	33.21 2.74 -2.28	43.78 1.80 -24.79
RAVENSWOOD_GT_10 24258	106.88 0.74 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.05 -17.60	67.92 2.11 -44.92	43.02 3.89 -1.96	42.49 3.52 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.58 4.22 -0.55	40.98 4.20 -2.38	293.29 30.53 0.00	476.72 46.40 -31.27	69.25 4.35 -26.84	159.18 2.30 -133.64	52.07 2.64 -22.44	46.81 3.04 -11.30	34.06 2.76 -3.12	40.42 1.76 -21.48
RAVENSWOOD_GT_11 24259	106.88 0.74 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.05 -17.60	67.92 2.11 -44.92	43.02 3.89 -1.96	42.49 3.52 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.58 4.22 -0.55	40.98 4.20 -2.38	293.29 30.53 0.00	476.72 46.40 -31.27	69.25 4.35 -26.84	159.18 2.30 -133.64	52.07 2.64 -22.44	46.81 3.04 -11.30	34.06 2.76 -3.12	40.42 1.76 -21.48
RAVENSWOOD_GT_4 24252	106.88 0.74 -100.29	33.64 2.31 -5.14	28.21 2.17 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.91 2.16 -1.20	43.80 2.04 -17.60	67.91 2.10 -44.91	42.99 3.87 -1.96	42.49 3.51 -6.26	40.50 3.88 -3.61	42.54 4.23 -1.96	44.21 4.18 -2.83	46.86 4.34 -4.80	45.10 4.22 -5.07	49.34 4.20 -10.74	293.39 30.62 0.00	476.86 46.55 -31.27	69.58 4.38 -27.15	127.98 2.32 -102.42	45.93 2.67 -16.27	41.84 3.08 -6.29	33.44 2.77 -2.48	42.95 1.76 -24.00
RAVENSWOOD_GT_5 24254	106.88 0.74 -100.29	33.64 2.31 -5.14	28.21 2.17 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.91 2.16 -1.20	43.80 2.04 -17.60	67.91 2.10 -44.91	42.99 3.87 -1.96	42.49 3.51 -6.26	40.50 3.88 -3.61	42.54 4.23 -1.96	44.21 4.18 -2.83	46.86 4.34 -4.80	45.10 4.22 -5.07	49.34 4.20 -10.74	293.39 30.62 0.00	476.86 46.55 -31.27	69.58 4.38 -27.15	127.98 2.32 -102.42	45.93 2.67 -16.27	41.84 3.08 -6.29	33.44 2.77 -2.48	42.95 1.76 -24.00
RAVENSWOOD_GT_6 24253	106.88 0.74 -100.29	33.64 2.31 -5.14	28.21 2.17 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.91 2.16 -1.20	43.80 2.04 -17.60	67.91 2.10 -44.91	42.99 3.87 -1.96	42.49 3.51 -6.26	40.50 3.88 -3.61	42.54 4.23 -1.96	44.21 4.18 -2.83	46.86 4.34 -4.80	45.10 4.22 -5.07	49.34 4.20 -10.74	293.39 30.62 0.00	476.86 46.55 -31.27	69.58 4.38 -27.15	127.98 2.32 -102.42	45.93 2.67 -16.27	41.84 3.08 -6.29	33.44 2.77 -2.48	42.95 1.76 -24.00
RAVENSWOOD_GT_7 24255	106.88 0.74 -100.29	33.64 2.31 -5.14	28.21 2.17 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.91 2.16 -1.20	43.80 2.04 -17.60	67.91 2.10 -44.91	42.99 3.87 -1.96	42.49 3.51 -6.26	40.50 3.88 -3.61	42.54 4.23 -1.96	44.21 4.18 -2.83	46.86 4.34 -4.80	45.10 4.22 -5.07	49.34 4.20 -10.74	293.39 30.62 0.00	476.86 46.55 -31.27	69.58 4.38 -27.15	127.98 2.32 -102.42	45.93 2.67 -16.27	41.84 3.08 -6.29	33.44 2.77 -2.48	42.95 1.76 -24.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	106.88 0.74 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.05 -17.60	67.92 2.11 -44.92	43.02 3.89 -1.96	42.49 3.52 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.58 4.22 -0.55	40.98 4.20 -2.38	293.29 30.53 0.00	476.72 46.40 -31.27	69.25 4.35 -26.84	159.18 2.30 -133.64	52.07 2.64 -22.44	46.81 3.04 -11.30	34.06 2.76 -3.12	40.42 1.76 -21.48
RAVENSWOOD_GT_9 24257	106.88 0.74 -100.29	32.79 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.31 2.08 0.00	28.92 2.17 -1.20	43.81 2.05 -17.60	67.92 2.11 -44.92	43.02 3.89 -1.96	42.49 3.52 -6.26	39.71 3.87 -2.84	41.41 4.22 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.58 4.22 -0.55	40.98 4.20 -2.38	293.29 30.53 0.00	476.72 46.40 -31.27	69.25 4.35 -26.84	159.18 2.30 -133.64	52.07 2.64 -22.44	46.81 3.04 -11.30	34.06 2.76 -3.12	40.42 1.76 -21.48



RAVENSWOOD___1 23533	106.92 0.78 -100.29	32.86 2.39 -4.29	28.26 2.23 -0.85	26.89 2.16 0.00	27.37 2.13 0.00	28.99 2.24 -1.20	43.90 2.13 -17.60	68.02 2.20 -44.92	43.15 4.03 -1.96	42.54 3.57 -6.26	39.74 3.89 -2.84	41.39 4.20 -0.85	41.38 4.19 0.00	42.11 4.40 0.00	40.62 4.26 -0.55	41.04 4.26 -2.38	293.32 30.56 0.00	476.84 46.53 -31.27	66.20 4.30 -23.84	103.15 2.19 -77.72	34.88 2.52 -5.37	30.76 2.91 4.61	30.51 2.72 0.41	40.45 1.79 -21.48
RAVENSWOOD___2 23534	106.92 0.78 -100.29	32.80 2.32 -4.29	28.20 2.17 -0.85	26.82 2.10 0.00	27.31 2.07 0.00	28.92 2.17 -1.20	43.84 2.08 -17.60	67.97 2.16 -44.92	43.06 3.94 -1.96	42.46 3.48 -6.26	39.61 3.76 -2.84	41.17 3.98 -0.85	41.12 3.92 0.00	41.84 4.13 0.00	40.39 4.03 -0.55	40.81 4.03 -2.38	291.09 28.33 0.00	473.48 43.16 -31.27	65.82 3.97 -23.79	102.57 1.97 -77.36	34.40 2.28 -5.13	30.23 2.63 4.87	30.26 2.54 0.47	40.39 1.73 -21.48
RAVENSWOOD___3 23535	106.88 0.74 -100.29	32.80 2.32 -4.29	28.21 2.17 -0.85	26.84 2.11 0.00	27.32 2.08 0.00	28.92 2.17 -1.20	43.82 2.05 -17.60	67.92 2.11 -44.92	43.01 3.89 -1.96	42.49 3.52 -6.26	39.71 3.86 -2.84	41.41 4.21 -0.85	41.37 4.18 0.00	42.05 4.34 0.00	40.58 4.22 -0.55	40.98 4.20 -2.38	293.31 30.55 0.00	476.70 46.38 -31.27	69.24 4.35 -26.84	164.15 2.29 -138.61	52.35 2.63 -22.73	46.81 3.04 -11.30	34.06 2.75 -3.12	40.43 1.77 -21.48
RAVENSWOOD___4 23820	106.91 0.78 -100.28	31.74 2.36 -3.19	28.24 2.21 -0.85	26.87 2.14 0.00	27.34 2.11 0.00	28.96 2.21 -1.20	43.88 2.11 -17.60	68.00 2.18 -44.92	43.11 4.00 -1.96	42.52 3.55 -6.26	38.72 3.87 -1.84	39.92 4.17 0.59	37.70 4.16 3.66	35.88 4.38 6.21	34.75 4.25 5.30	30.21 4.23 8.42	293.17 30.41 0.00	476.59 46.27 -31.27	62.75 4.27 -20.43	89.59 2.18 -64.17	25.85 2.49 3.63	21.28 2.89 14.08	27.77 2.70 3.12	37.18 1.78 -18.22
RCPL_TRUST___DRP 24196	106.89 0.72 -100.32	32.80 2.32 -4.29	28.21 2.18 -0.85	26.84 2.11 0.00	27.32 2.08 0.00	28.92 2.17 -1.20	43.82 2.04 -17.61	67.86 2.11 -44.85	43.04 3.91 -1.96	42.13 3.56 -5.87	39.60 3.94 -2.66	41.47 4.33 -0.80	41.46 4.26 0.00	42.13 4.42 0.00	40.65 4.29 -0.55	41.06 4.28 -2.38	293.96 31.20 0.00	477.77 47.45 -31.27	69.34 4.44 -26.85	164.24 2.37 -138.64	52.42 2.69 -22.74	46.87 3.11 -11.30	34.08 2.77 -3.12	40.44 1.77 -21.49
RED___ROCHESTER 323720	5.04 -0.34 0.48	25.52 -0.36 0.30	24.64 -0.55 0.00	24.18 -0.55 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.06 -0.10 0.00	32.91 0.20 0.00	33.12 0.11 0.00	36.10 -0.24 0.00	37.11 -0.09 0.00	37.38 -0.35 -0.02	35.25 -0.56 0.00	33.56 -0.85 -0.01	258.65 -4.12 0.00	392.26 -6.79 0.00	38.15 0.10 0.00	23.66 0.42 0.00	27.29 0.30 0.00	32.83 0.36 0.00	28.27 0.08 0.00	17.21 0.03 0.00
REGAN___SOLAR 323812	19.55 0.76 -12.94	29.86 3.22 -0.45	28.18 3.00 0.00	27.72 2.99 0.00	28.30 3.06 0.00	28.72 3.17 0.00	27.15 2.99 0.00	23.35 2.45 0.00	40.71 3.55 0.00	34.68 1.97 0.00	33.96 0.94 0.00	37.16 0.81 0.00	38.18 0.98 0.00	39.03 1.32 0.00	38.44 1.40 -1.23	39.18 3.11 -1.68	308.24 45.48 0.00	591.18 58.03 -134.11	42.26 4.20 0.00	26.53 3.30 0.00	31.15 4.16 0.00	37.38 4.91 0.00	32.33 3.99 -0.16	19.45 2.27 0.00
RENSSELAER___COGEN 23796	24.74 0.28 -18.60	27.63 0.80 -0.64	26.13 0.81 -0.14	25.59 0.86 0.00	26.11 0.87 0.00	26.60 0.85 -0.20	27.85 0.77 -2.91	28.84 0.76 -7.19	38.75 1.26 -0.33	33.59 0.88 0.00	33.94 0.93 0.00	37.36 1.02 0.00	38.28 1.09 0.00	38.90 1.19 0.00	26.39 1.16 10.58	21.14 1.20 14.45	271.24 8.48 0.00	500.67 13.96 -87.66	43.85 1.13 -4.67	47.82 0.64 -23.94	32.97 0.74 -5.24	36.14 0.87 -2.81	29.81 0.88 -0.73	21.35 0.62 -3.56
REPUBLIC_115KV_BARTNBRK 55605	23.85 0.59 -17.41	29.41 2.62 -0.60	27.82 2.51 -0.13	27.43 2.70 0.00	27.87 2.63 0.00	28.45 2.71 -0.18	29.98 3.11 -2.71	30.88 3.29 -6.69	43.12 5.66 -0.30	37.02 4.31 0.00	37.08 4.07 0.00	41.37 5.02 0.00	42.55 5.35 0.00	43.15 5.44 0.00	43.70 5.49 -2.40	43.14 5.46 -3.28	304.88 42.11 0.00	611.89 70.56 -142.28	46.33 3.97 -4.30	47.85 2.56 -22.05	34.53 2.72 -4.83	38.89 3.84 -2.59	32.15 3.28 -0.68	22.14 1.66 -3.31
REVERE_CPPR_DRP 24186	5.99 0.14 0.00	27.07 0.88 0.00	25.93 0.81 0.06	27.80 0.71 -2.36	34.99 0.81 -8.94	34.61 0.90 -8.16	28.50 0.95 -3.39	21.82 0.93 0.00	38.93 1.78 0.00	34.26 1.55 0.00	34.29 1.28 0.00	37.61 1.25 -0.02	38.46 1.26 0.00	39.23 1.51 0.00	43.88 1.53 -6.54	60.81 1.79 -24.62	277.65 8.26 -6.63	410.56 11.52 0.00	38.88 0.83 0.00	23.79 0.55 0.00	27.74 0.74 -0.01	33.60 1.11 -0.02	28.96 0.77 0.00	22.19 0.44 -4.57
REYNOLDS_115KV_TB3 80639	25.74 0.34 -19.55	27.87 1.01 -0.68	26.34 1.01 -0.15	25.81 1.08 0.00	26.32 1.09 0.00	26.83 1.08 -0.21	28.19 1.01 -3.02	29.32 0.98 -7.44	39.20 1.70 -0.34	33.95 1.24 0.00	34.31 1.30 0.00	37.82 1.47 0.00	38.77 1.57 0.00	39.39 1.68 0.00	44.32 1.63 -6.87	45.44 1.65 -9.39	274.51 11.75 0.00	512.62 18.84 -94.72	44.47 1.60 -4.82	48.85 0.91 -24.69	33.48 1.09 -5.41	36.64 1.28 -2.90	30.16 1.21 -0.76	21.64 0.78 -3.68
RIVERBAY____ 323610	107.04 0.90 -100.29	33.33 2.85 -4.29	28.71 2.67 -0.85	27.29 2.56 0.00	27.78 2.55 0.00	29.40 2.65 -1.20	44.26 2.49 -17.60	68.26 2.43 -44.92	43.52 4.40 -1.96	42.65 3.68 -6.26	40.08 4.23 -2.84	41.72 4.53 -0.85	41.91 4.71 0.00	42.73 5.02 0.00	41.23 4.87 -0.55	41.67 4.89 -2.38	297.69 34.92 0.00	483.45 53.13 -31.27	69.91 5.01 -26.84	164.50 2.64 -138.62	52.78 3.05 -22.74	47.33 3.56 -11.31	34.59 3.27 -3.13	40.78 2.12 -21.48
RIVERSIDE_115KV_TB3 55908	25.20 0.33 -19.02	27.81 0.96 -0.66	26.29 0.96 -0.14	25.75 1.02 0.00	26.26 1.02 0.00	26.76 1.01 -0.20	28.06 0.94 -2.95	29.11 0.92 -7.29	39.08 1.59 -0.33	33.89 1.18 0.00	34.25 1.24 0.00	37.74 1.40 0.00	38.69 1.49 0.00	39.31 1.60 0.00	40.17 1.55 -2.80	39.81 1.58 -3.83	274.17 11.41 0.00	512.83 18.19 -95.60	44.27 1.50 -4.71	48.25 0.87 -24.14	33.29 1.02 -5.29	36.49 1.20 -2.83	30.07 1.13 -0.74	21.53 0.74 -3.60
ROARING___BROOK_WT_PWR 323790	5.77 -0.08 0.00	25.95 -0.24 0.00	24.95 -0.25 -0.02	24.74 -0.39 -0.40	25.75 -0.32 -0.83	26.24 -0.29 -0.98	25.45 -0.21 -1.50	20.72 -0.17 0.00	36.86 -0.31 0.00	32.39 -0.32 0.00	32.58 -0.43 0.00	35.89 -0.46 0.00	36.55 -0.65 0.00	36.95 -0.76 0.00	34.99 -0.82 0.00	42.50 -0.74 -8.84	258.90 -3.87 0.00	394.53 -4.52 0.00	37.47 -0.58 0.00	22.73 -0.51 0.00	26.41 -0.58 0.00	31.89 -0.58 0.00	27.65 -0.54 0.00	17.42 -0.42 -0.66
ROCHESRG_115KV_T4 355643	4.99 -0.40 0.47	25.18 -0.70 0.30	24.34 -0.84 0.00	23.89 -0.84 0.00	24.29 -0.95 0.00	24.72 -0.82 0.00	23.39 -0.78 0.00	20.53 -0.36 0.00	36.55 -0.61 0.00	32.41 -0.31 0.00	32.59 -0.42 0.00	35.49 -0.86 0.00	36.39 -0.81 0.00	36.68 -1.05 -0.02	34.65 -1.16 0.00	32.99 -1.42 -0.01	254.19 -8.57 -0.01	385.43 -13.61 0.00	37.45 -0.61 0.00	23.20 -0.04 0.00	26.80 -0.18 0.00	32.24 -0.22 0.00	27.80 -0.39 0.00	16.96 -0.22 0.00



ROCHESTER_9_IC 23652	5.01 -0.37 0.48	25.36 -0.53 0.30	24.50 -0.68 0.00	24.04 -0.69 0.00	24.44 -0.79 0.00	24.89 -0.66 0.00	23.54 -0.63 0.00	20.68 -0.22 0.00	36.82 -0.34 0.00	32.67 -0.04 0.00	32.87 -0.14 0.00	35.80 -0.55 0.00	36.76 -0.44 0.00	37.05 -0.69 -0.02	34.96 -0.84 0.00	33.28 -1.13 -0.01	256.56 -6.21 -0.01	388.83 -10.22 0.00	37.79 -0.26 0.00	23.43 0.19 0.00	27.05 0.07 0.00	32.54 0.08 0.00	28.03 -0.16 0.00	17.09 -0.09 0.00
ROCKVIEW_13_KV_LD 356306	106.81 0.72 -100.24	32.74 2.27 -4.29	28.17 2.13 -0.85	26.79 2.07 0.00	27.27 2.03 0.00	28.85 2.10 -1.20	43.74 1.99 -17.59	66.34 2.05 -43.39	42.94 3.82 -1.96	36.17 3.46 0.00	36.85 3.84 0.00	40.55 4.21 0.00	41.41 4.21 0.00	42.09 4.38 0.00	40.62 4.26 -0.55	41.03 4.25 -2.38	294.13 31.37 0.00	478.05 47.73 -31.27	69.35 4.46 -26.84	164.25 2.44 -138.58	52.51 2.80 -22.73	46.98 3.22 -11.29	34.14 2.84 -3.12	40.42 1.78 -21.46
ROME____115KV_TB2 80656	5.99 0.14 0.00	27.07 0.88 0.00	25.93 0.81 0.06	27.80 0.71 -2.36	34.99 0.81 -8.94	34.61 0.90 -8.16	28.50 0.95 -3.39	21.82 0.93 0.00	38.93 1.78 0.00	34.26 1.55 0.00	34.29 1.28 0.00	37.61 1.25 -0.02	38.46 1.26 0.00	39.23 1.51 0.00	43.88 1.53 -6.54	60.81 1.79 -24.62	277.65 8.26 -6.63	410.56 11.52 0.00	38.88 0.83 0.00	23.79 0.55 0.00	27.74 0.74 -0.01	33.60 1.11 -0.02	28.96 0.77 0.00	22.19 0.44 -4.57
ROSETON____1 23587	-55.15 0.53 61.54	25.69 1.63 2.13	26.72 1.54 0.00	26.24 1.51 0.00	26.72 1.48 0.00	27.08 1.53 0.00	25.61 1.45 0.00	22.40 1.50 0.00	39.93 2.77 0.00	35.18 2.47 0.00	35.81 2.80 0.00	39.45 3.10 0.00	40.29 3.09 0.00	40.95 3.24 0.00	39.44 3.14 -0.48	38.19 3.13 -0.66	285.76 22.99 0.00	464.65 34.85 -30.76	41.81 3.23 -0.53	28.86 1.82 -3.80	22.53 2.10 6.55	30.48 2.39 4.37	28.76 2.12 1.55	18.51 1.33 0.00
ROSETON____2 23588	-55.15 0.53 61.54	25.69 1.63 2.13	26.72 1.54 0.00	26.24 1.51 0.00	26.72 1.48 0.00	27.08 1.53 0.00	25.61 1.45 0.00	22.40 1.50 0.00	39.93 2.77 0.00	35.18 2.47 0.00	35.81 2.80 0.00	39.45 3.10 0.00	40.29 3.09 0.00	40.95 3.24 0.00	39.44 3.14 -0.48	38.19 3.13 -0.66	285.76 22.99 0.00	464.65 34.85 -30.76	41.81 3.23 -0.53	28.86 1.82 -3.80	22.53 2.10 6.55	30.48 2.39 4.37	28.76 2.12 1.55	18.51 1.33 0.00
ROTTDAM_115KV_TB3 80664	22.41 0.34 -16.22	27.90 1.16 -0.56	26.39 1.09 -0.12	25.83 1.10 0.00	26.32 1.08 0.00	26.82 1.10 -0.17	27.79 1.07 -2.56	28.23 1.03 -6.30	39.22 1.78 -0.28	34.14 1.43 0.00	34.43 1.42 0.00	37.94 1.60 0.00	38.86 1.67 0.00	39.44 1.73 0.00	38.92 1.71 -1.41	38.06 1.74 -1.92	277.01 14.25 0.00	572.97 21.78 -152.15	43.54 1.76 -3.72	43.37 1.10 -19.03	32.74 1.31 -4.44	36.42 1.54 -2.41	30.17 1.34 -0.63	21.11 0.81 -3.12
RUSSELL____1 23602	5.06 -0.32 0.48	25.52 -0.37 0.30	24.64 -0.54 0.00	24.17 -0.56 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.04 -0.12 0.00	32.90 0.19 0.00	33.11 0.10 0.00	36.08 -0.26 0.00	37.10 -0.09 0.00	37.36 -0.37 -0.02	35.25 -0.56 0.00	33.55 -0.86 -0.01	258.75 -4.02 -0.01	392.27 -6.77 0.00	38.13 0.08 0.00	23.64 0.40 0.00	27.29 0.30 0.00	32.82 0.35 0.00	28.25 0.07 0.00	17.21 0.03 0.00
RUSSELL____2 23532	5.06 -0.32 0.48	25.52 -0.37 0.30	24.64 -0.54 0.00	24.17 -0.56 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.04 -0.12 0.00	32.90 0.19 0.00	33.11 0.10 0.00	36.08 -0.26 0.00	37.10 -0.09 0.00	37.36 -0.37 -0.02	35.25 -0.56 0.00	33.55 -0.86 -0.01	258.75 -4.02 -0.01	392.27 -6.77 0.00	38.13 0.08 0.00	23.64 0.40 0.00	27.29 0.30 0.00	32.82 0.35 0.00	28.25 0.07 0.00	17.21 0.03 0.00
RUSSELL____3 23549	5.06 -0.32 0.48	25.52 -0.37 0.30	24.64 -0.54 0.00	24.17 -0.56 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.04 -0.12 0.00	32.90 0.19 0.00	33.11 0.10 0.00	36.08 -0.26 0.00	37.10 -0.09 0.00	37.36 -0.37 -0.02	35.25 -0.56 0.00	33.55 -0.86 -0.01	258.75 -4.02 -0.01	392.27 -6.77 0.00	38.13 0.08 0.00	23.64 0.40 0.00	27.29 0.30 0.00	32.82 0.35 0.00	28.25 0.07 0.00	17.21 0.03 0.00
RUSSELL____4 23556	5.06 -0.32 0.48	25.52 -0.37 0.30	24.64 -0.54 0.00	24.17 -0.56 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.04 -0.12 0.00	32.90 0.19 0.00	33.11 0.10 0.00	36.08 -0.26 0.00	37.10 -0.09 0.00	37.36 -0.37 -0.02	35.25 -0.56 0.00	33.55 -0.86 -0.01	258.75 -4.02 -0.01	392.27 -6.77 0.00	38.13 0.08 0.00	23.64 0.40 0.00	27.29 0.30 0.00	32.82 0.35 0.00	28.25 0.07 0.00	17.21 0.03 0.00
RUSSELL____STATION 23914	5.06 -0.32 0.48	25.52 -0.37 0.30	24.64 -0.54 0.00	24.17 -0.56 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.04 -0.12 0.00	32.90 0.19 0.00	33.11 0.10 0.00	36.08 -0.26 0.00	37.10 -0.09 0.00	37.36 -0.37 -0.02	35.25 -0.56 0.00	33.55 -0.86 -0.01	258.75 -4.02 -0.01	392.27 -6.77 0.00	38.13 0.08 0.00	23.64 0.40 0.00	27.29 0.30 0.00	32.82 0.35 0.00	28.25 0.07 0.00	17.21 0.03 0.00
S SALMON____HYD 24043	5.63 -0.23 0.00	25.67 -0.52 0.00	24.46 -0.64 0.08	18.82 -0.76 5.16	10.00 -0.62 14.62	9.98 -0.59 14.98	9.55 -0.46 14.15	20.68 -0.22 0.00	36.82 -0.34 0.00	32.50 -0.21 0.00	32.70 -0.31 0.00	35.98 -0.44 -0.07	36.79 -0.41 0.00	37.40 -0.31 0.00	30.31 -0.38 5.12	8.70 -0.55 25.14	254.55 -2.63 5.58	395.37 -3.67 0.00	37.62 -0.43 0.00	22.98 -0.26 0.00	26.76 -0.28 -0.05	32.09 -0.46 -0.09	27.52 -0.67 0.00	8.06 -0.47 8.65
S.PERRY__115KV_TB1 80734	4.07 -0.56 1.23	24.64 -0.76 0.78	24.26 -0.92 0.00	23.74 -0.99 0.00	24.23 -1.01 0.00	24.66 -0.89 0.00	23.40 -0.76 0.00	20.62 -0.28 0.00	36.79 -0.36 0.00	32.55 -0.16 0.00	32.70 -0.31 0.00	34.54 -1.81 0.00	35.00 -2.20 0.00	38.82 -2.07 -3.19	33.41 -2.40 0.00	34.84 -2.66 -3.10	244.34 -18.75 -0.33	372.94 -31.22 -5.11	36.13 -1.92 0.00	22.86 -0.38 0.00	26.80 -0.18 0.00	32.93 0.46 0.00	28.38 0.19 0.00	17.19 0.02 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	4.30 -0.73 0.83	24.33 -1.33 0.52	23.66 -1.52 0.00	23.24 -1.49 0.00	23.58 -1.65 0.00	24.04 -1.50 0.00	22.69 -1.47 0.00	20.05 -0.85 0.00	35.73 -1.43 0.00	31.71 -1.00 0.00	31.76 -1.25 0.00	34.34 -2.01 0.00	34.82 -2.37 0.00	34.21 -2.60 0.90	33.21 -2.59 0.00	30.68 -2.85 0.87	244.86 -17.80 0.10	376.02 -27.72 -4.69	36.46 -1.60 0.00	22.74 -0.50 0.00	26.36 -0.63 0.00	31.57 -0.89 0.00	27.18 -1.01 0.00	16.61 -0.57 0.00
SAWYER____23_KV_LOAD 55526	4.30 -0.73 0.83	24.33 -1.33 0.52	23.66 -1.52 0.00	23.24 -1.49 0.00	23.58 -1.65 0.00	24.04 -1.50 0.00	22.69 -1.47 0.00	20.05 -0.85 0.00	35.73 -1.43 0.00	31.71 -1.00 0.00	31.76 -1.25 0.00	34.34 -2.01 0.00	34.82 -2.37 0.00	34.21 -2.60 0.90	33.21 -2.59 0.00	30.68 -2.85 0.87	244.86 -17.80 0.10	376.02 -27.72 -4.69	36.46 -1.60 0.00	22.74 -0.50 0.00	26.36 -0.63 0.00	31.57 -0.89 0.00	27.18 -1.01 0.00	16.61 -0.57 0.00



SELKIRK___I 23801	22.03	27.64	26.22	25.71	26.22	26.70	27.64	28.07	38.72	33.50	33.78	36.82	37.46	38.06	30.95	27.70	265.87	476.85	43.04	46.60	32.39	35.61	29.54	21.04
	0.28	0.90	0.92	0.98	0.98	0.97	0.88	0.77	1.27	0.79	0.77	0.48	0.27	0.35	0.36	0.44	3.11	7.17	0.47	0.26	0.35	0.44	0.66	0.69
	-15.89	-0.55	-0.13	0.00	0.00	-0.18	-2.60	-6.41	-0.29	0.00	0.00	0.00	0.00	0.00	5.22	7.13	0.00	-70.64	-4.51	-23.10	-5.06	-2.71	-0.68	-3.17
SELKIRK___II 23799	23.60	27.47	26.00	25.47	25.97	26.46	27.63	28.45	38.57	33.48	33.86	37.22	38.08	38.67	30.64	27.04	269.47	484.87	43.13	45.10	32.58	35.89	29.66	21.18
	0.25	0.68	0.69	0.74	0.74	0.72	0.66	0.65	1.09	0.77	0.85	0.88	0.89	0.96	0.94	0.99	6.71	11.18	0.90	0.51	0.61	0.72	0.76	0.59
	-17.50	-0.60	-0.13	0.00	0.00	-0.19	-2.80	-6.91	-0.31	0.00	0.00	0.00	0.00	0.00	6.11	8.35	0.00	-74.65	-4.18	-21.35	-4.99	-2.71	-0.70	-3.42
SENECA OSWGO___HYD 24041	5.69	25.71	24.63	22.95	21.32	21.51	20.14	20.63	36.70	32.40	32.70	36.04	36.80	37.32	35.62	29.17	258.79	393.77	37.76	23.17	26.92	32.34	27.86	14.96
	-0.17	-0.47	-0.53	-0.55	-0.56	-0.53	-0.45	-0.27	-0.46	-0.31	-0.31	-0.40	-0.40	-0.39	-0.29	-0.38	-2.87	-5.27	-0.29	-0.07	-0.13	-0.25	-0.33	-0.18
	0.00	0.00	0.02	1.23	3.36	3.50	3.57	0.00	0.00	0.00	0.00	-0.10	0.00	0.00	-0.10	4.85	1.10	0.00	0.00	0.00	-0.07	-0.12	0.00	2.04
SENECA___115KV_TB3 355854	4.27	24.58	23.93	23.46	23.83	24.30	22.96	20.31	36.29	32.25	32.31	34.95	35.37	34.79	33.75	31.25	249.49	382.96	37.09	23.16	26.90	32.13	27.64	16.85
	-0.69	-1.04	-1.25	-1.27	-1.40	-1.25	-1.20	-0.59	-0.87	-0.46	-0.70	-1.40	-1.83	-2.01	-2.06	-2.26	-13.18	-21.03	-0.96	-0.08	-0.09	-0.33	-0.55	-0.33
	0.90	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.89	0.09	-4.95	0.00	0.00	0.00	0.00	0.00	0.00
SENECA___ENERGY 23797	5.58	25.70	24.57	23.81	23.96	24.25	22.60	20.72	36.92	32.76	33.11	36.24	37.01	37.77	36.25	34.20	260.18	393.33	38.09	23.63	27.38	32.79	28.28	16.70
	-0.27	-0.49	-0.60	-0.63	-0.68	-0.58	-0.48	-0.17	-0.24	0.05	0.10	-0.15	-0.19	-0.18	-0.09	-0.43	-2.61	-5.71	0.04	0.39	0.36	0.28	0.09	0.03
	0.00	0.00	0.01	0.29	0.60	0.71	1.09	0.00	0.00	0.00	0.00	-0.04	0.00	-0.24	-0.53	-0.24	-0.02	0.00	0.00	0.00	-0.03	-0.05	0.00	0.50
SHOEMAKER___GT 23640	-83.82	23.76	25.82	26.08	26.57	25.86	9.90	-16.17	37.89	34.92	35.51	39.09	39.96	40.63	39.04	29.19	283.87	458.35	-22.29	-298.59	-48.01	-7.22	21.66	-0.58
	0.48	1.49	1.39	1.36	1.34	1.38	1.31	1.35	2.47	2.21	2.50	2.75	2.76	2.92	2.81	2.81	21.11	32.37	2.99	1.75	2.04	2.33	2.00	1.24
	90.15	3.91	0.75	0.00	0.00	1.06	15.57	38.41	1.74	0.00	0.00	0.00	0.00	0.00	-0.41	8.02	0.00	-26.94	63.34	323.58	77.03	42.01	8.53	19.00
SHOEMAKR_138KV_BK 111 55601	-81.08	23.89	25.85	26.08	26.57	25.91	10.67	-14.26	37.98	34.94	35.55	39.14	40.00	40.67	39.07	24.77	284.13	458.08	-58.36	-483.52	-88.42	-28.87	17.78	0.35
	0.48	1.48	1.39	1.35	1.34	1.37	1.31	1.35	2.47	2.23	2.54	2.80	2.80	2.96	2.85	2.86	21.37	32.67	3.02	1.75	2.02	2.31	1.99	1.23
	87.41	3.78	0.72	0.00	0.00	1.01	14.80	36.51	1.65	0.00	0.00	0.00	0.00	0.00	-0.41	12.49	0.00	-26.36	99.43	508.50	117.43	63.65	12.41	18.06
SHOREHAM_IC_1 23715	108.81	43.12	57.44	54.48	51.79	41.31	44.19	68.32	48.55	73.28	91.00	89.38	170.09	261.64	284.70	245.56	362.27	593.36	340.29	229.68	159.77	63.20	38.33	57.64
	0.90	2.59	2.41	2.34	2.31	2.38	2.26	2.25	4.43	4.18	4.53	4.99	4.96	5.21	5.07	4.88	31.15	52.53	5.33	2.72	3.39	3.84	3.27	2.12
	-102.05	-14.34	-29.85	-27.42	-24.24	-13.38	-17.77	-45.17	-6.95	-36.39	-53.46	-48.05	-127.93	-218.72	-243.82	-206.29	-68.36	-141.79	-296.90	-203.72	-129.40	-26.90	-6.88	-38.34
SHOREHAM_IC_2 23716	108.81	43.12	57.44	54.48	51.79	41.31	44.19	68.32	48.55	73.28	91.00	89.38	170.09	261.64	284.70	245.56	362.27	593.36	340.29	229.68	159.77	63.20	38.33	57.64
	0.90	2.59	2.41	2.34	2.31	2.38	2.26	2.25	4.43	4.18	4.53	4.99	4.96	5.21	5.07	4.88	31.15	52.53	5.33	2.72	3.39	3.84	3.27	2.12
	-102.05	-14.34	-29.85	-27.42	-24.24	-13.38	-17.77	-45.17	-6.95	-36.39	-53.46	-48.05	-127.93	-218.72	-243.82	-206.29	-68.36	-141.79	-296.90	-203.72	-129.40	-26.90	-6.88	-38.34
SISSONVILLE____ 23735	5.54	24.86	23.12	3.01	-23.97	-29.26	-46.36	19.63	34.90	30.77	30.71	33.92	34.69	35.19	25.16	-17.02	237.35	374.32	35.37	21.54	25.24	30.58	26.46	-17.84
	-0.31	-1.33	-1.32	-1.37	-1.27	-1.32	-1.31	-1.27	-2.26	-1.94	-2.30	-2.43	-2.50	-2.52	-2.23	-2.26	-17.50	-24.73	-2.68	-1.70	-1.75	-1.90	-1.73	-1.21
	0.00	0.00	0.74	20.36	47.94	53.49	69.22	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	8.42	49.16	7.92	0.00	0.00	0.00	-0.01	-0.01	0.00	33.80
SITHE_IND_GS1 24169	5.60	25.34	24.31	23.85	24.33	24.66	23.36	20.29	36.10	31.85	32.14	35.02	36.15	36.65	30.90	33.36	255.06	386.63	37.06	22.72	26.13	31.27	27.39	16.73
	-0.25	-0.85	-0.87	-0.88	-0.91	-0.88	-0.81	-0.60	-1.06	-0.86	-0.87	-1.03	-1.05	-1.06	-1.02	-1.04	-7.70	-12.42	-1.00	-0.52	-0.67	-0.85	-0.80	-0.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	3.89	0.00	0.00	0.00	0.00	0.00	0.19	0.35	0.00	0.00
SITHE_IND_GS2 24170	5.60	25.34	24.31	23.85	24.33	24.66	23.36	20.29	36.10	31.85	32.14	35.02	36.15	36.65	30.90	33.36	255.06	386.63	37.06	22.72	26.13	31.27	27.39	16.73
	-0.25	-0.85	-0.87	-0.88	-0.91	-0.88	-0.81	-0.60	-1.06	-0.86	-0.87	-1.03	-1.05	-1.06	-1.02	-1.04	-7.70	-12.42	-1.00	-0.52	-0.67	-0.85	-0.80	-0.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	3.89	0.00	0.00	0.00	0.00	0.00	0.19	0.35	0.00	0.00
SITHE_IND_GS3 24171	5.60	25.34	24.31	23.85	24.33	24.66	23.36	20.29	36.10	31.85	32.14	35.02	36.15	36.65	30.90	33.36	255.06	386.63	37.06	22.72	26.13	31.27	27.39	16.73
	-0.25	-0.85	-0.87	-0.88	-0.91	-0.88	-0.81	-0.60	-1.06	-0.86	-0.87	-1.03	-1.05	-1.06	-1.02	-1.04	-7.70	-12.42	-1.00	-0.52	-0.67	-0.85	-0.80	-0.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	3.89	0.00	0.00	0.00	0.00	0.00	0.19	0.35	0.00	0.00
SITHE_IND_GS4 24172	5.60	25.34	24.31	23.85	24.33	24.66	23.36	20.29	36.10	31.85	32.14	35.02	36.15	36.65	30.90	33.36	255.06	386.63	37.06	22.72	26.13	31.27	27.39	16.73
	-0.25	-0.85	-0.87	-0.88	-0.91	-0.88	-0.81	-0.60	-1.06	-0.86	-0.87	-1.03	-1.05	-1.06	-1.02	-1.04	-7.70	-12.42	-1.00	-0.52	-0.67	-0.85	-0.80	-0.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	3.89	0.00	0.00	0.00	0.00	0.00	0.19	0.35	0.00	0.00
SITHE___BATAVIA 24024	4.72	25.29	24.50	24.02	24.39	24.89	23.56	20.81	37.05	32.83	32.72	35.16	36.11	35.95	34.06	32.06	249.39	378.84	37.24	23.30	27.02	32.93	28.30	17.24
	-0.49	-0.49	-0.68	-0.71	-0.85	-0.66	-0.60	-0.08	-0.11	0.12	-0.29	-1.19	-1.09	-1.45	-1.75	-1.99	-13.39	-20.21	-0.82	0.05	0.03	0.46	0.11	0.06
	0.65	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.32	0.00	0.35	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00



SITHE___INDEPEND 23800	5.60 -0.25 0.00	25.34 -0.85 0.00	24.31 -0.87 0.00	23.84 -0.88 0.00	24.33 -0.90 0.00	24.66 -0.88 0.00	23.36 -0.81 0.00	20.29 -0.60 0.00	36.10 -1.06 0.00	31.85 -0.87 0.00	32.14 -0.87 0.00	35.02 -1.03 0.29	36.15 -1.04 0.00	36.65 -1.06 0.00	30.90 -1.03 3.89	33.36 -1.04 0.00	255.07 -7.70 0.00	386.58 -12.46 0.00	37.05 -1.00 0.00	22.72 -0.52 0.00	26.13 -0.67 0.19	31.27 -0.85 0.35	27.40 -0.79 0.00	16.74 -0.44 0.00
SITHE___MASSENA 23902	5.68 -0.18 0.00	25.51 -0.68 0.00	23.45 -0.65 1.08	-0.50 -0.67 24.56	-28.93 -0.63 53.53	-37.17 -0.68 62.04	-65.94 -0.72 89.39	20.10 -0.80 0.00	35.71 -1.45 0.00	31.49 -1.22 0.00	31.51 -1.51 0.00	34.80 -1.54 0.00	35.60 -1.59 0.00	36.06 -1.65 0.00	30.80 -1.49 3.52	-0.06 -1.59 32.87	247.33 -12.16 3.27	381.93 -17.11 0.00	36.29 -1.77 0.00	22.11 -1.13 0.00	25.82 -1.17 0.00	31.26 -1.21 0.00	27.16 -1.03 0.00	-24.12 -0.71 40.59
SITHE___OGDNSBRG 24021	5.71 -0.15 0.00	25.63 -0.55 0.00	23.74 -0.57 0.87	2.14 -0.60 21.99	-25.39 -0.52 50.11	-31.80 -0.54 56.81	-53.47 -0.58 77.05	20.17 -0.73 0.00	35.76 -1.40 0.00	31.44 -1.27 0.00	31.44 -1.57 0.00	34.73 -1.61 0.00	35.47 -1.73 0.00	36.02 -1.69 0.00	28.06 -1.15 6.60	-9.71 -1.27 42.83	246.06 -10.59 6.11	384.44 -14.60 0.00	36.25 -1.81 0.00	22.13 -1.11 0.00	26.04 -0.95 0.00	31.57 -0.89 0.00	27.36 -0.84 0.00	-19.91 -0.65 36.44
SITHE___STERLING 23777	5.95 0.10 0.00	26.90 0.71 0.00	25.79 0.65 0.04	26.60 0.59 -1.28	30.92 0.67 -5.02	30.82 0.75 -4.52	26.54 0.78 -1.59	21.67 0.77 0.00	38.60 1.44 0.00	34.00 1.29 0.00	34.03 1.02 0.00	37.31 0.95 -0.02	38.16 0.97 0.00	38.84 1.13 0.00	40.89 1.16 -3.93	50.15 1.34 -14.42	274.16 7.55 -3.85	409.01 9.97 0.00	38.78 0.73 0.00	23.76 0.52 0.00	27.70 0.71 -0.01	33.59 1.10 -0.02	29.00 0.81 0.00	20.13 0.47 -2.48
SLEIGHT___34_KV_TB1 80719	5.34 -0.27 0.23	25.59 -0.44 0.15	24.59 -0.60 0.00	24.13 -0.60 0.00	24.55 -0.69 0.00	24.98 -0.57 0.00	23.69 -0.48 0.00	20.77 -0.13 0.00	36.98 -0.18 0.00	32.79 0.08 0.00	33.01 0.00 0.00	36.16 -0.19 -0.01	37.09 -0.11 0.00	37.50 -0.22 0.00	35.63 -0.33 -0.15	33.70 -0.69 0.00	259.44 -3.32 0.00	393.17 -5.87 0.00	38.06 0.01 0.00	23.53 0.29 0.00	27.19 0.20 -0.01	32.64 0.16 -0.01	28.15 -0.05 0.00	17.13 -0.05 0.00
SOUTH CAIRO___GT 23612	17.34 0.50 -10.99	28.51 1.95 -0.38	27.04 1.86 0.00	26.62 1.89 0.00	27.17 1.93 0.00	27.50 1.95 0.00	26.03 1.87 0.00	22.54 1.64 0.00	39.89 2.73 0.00	34.50 1.80 0.00	34.75 1.74 0.00	38.17 1.82 0.00	39.09 1.89 0.00	39.82 2.11 0.00	32.52 2.16 5.45	29.62 2.20 6.97	281.13 18.36 0.00	500.62 35.22 -66.36	47.04 2.72 -6.27	57.25 1.68 -32.33	34.56 2.03 -5.55	37.66 2.40 -2.80	30.91 2.08 -0.64	18.52 1.34 0.00
SOUTH HAMPTN___IC 23720	108.86 0.96 -102.05	43.40 2.87 -14.34	57.69 2.66 -29.85	54.74 2.60 -27.42	52.09 2.61 -24.24	41.56 2.64 -13.38	44.47 2.54 -17.77	68.63 2.56 -45.17	49.23 5.12 -6.95	73.67 4.98 -35.98	90.31 5.39 -51.90	88.85 5.93 -46.58	166.96 5.88 -123.88	255.21 6.14 -211.36	277.55 5.96 -235.78	238.74 5.71 -198.63	365.85 38.45 -64.63	602.26 63.67 -139.55	330.36 6.10 -286.20	223.58 3.04 -197.29	156.08 3.77 -125.33	63.04 4.28 -26.30	38.62 3.61 -6.82	57.80 2.33 -38.29
SOUTHDOW___115KV_TB1 355954	4.25 -0.55 1.05	25.30 -0.22 0.66	24.63 -0.55 0.00	24.04 -0.69 0.00	24.53 -0.70 0.00	25.02 -0.53 0.00	23.60 -0.57 0.00	20.97 0.07 0.00	37.59 0.43 0.00	33.51 0.80 0.00	33.53 0.52 0.00	36.27 -0.07 0.00	36.34 -0.85 0.00	36.29 -0.90 0.52	34.53 -1.28 0.00	32.93 -0.98 0.49	258.81 -3.91 0.05	396.45 -8.01 -5.41	38.11 0.06 0.00	23.93 0.69 0.00	28.34 1.35 0.00	33.63 1.17 0.00	28.67 0.48 0.00	17.41 0.23 0.00
SOUTHOLD_69_KV_BK 2 55809	108.90 0.99 -102.05	43.50 2.98 -14.34	57.77 2.74 -29.85	54.85 2.70 -27.42	52.27 2.79 -24.24	41.65 2.73 -13.38	44.60 2.67 -17.77	68.84 2.77 -45.17	49.42 5.31 -6.95	73.93 5.23 -35.99	90.62 5.68 -51.92	89.19 6.25 -46.59	167.20 6.07 -123.93	255.38 6.21 -211.45	277.71 6.01 -235.89	238.86 5.73 -198.73	364.49 37.02 -64.71	599.63 60.98 -139.60	330.03 5.63 -286.34	223.31 2.65 -197.41	156.00 3.63 -125.38	63.09 4.33 -26.30	38.63 3.62 -6.82	57.81 2.34 -38.29
SOUTHOLD___IC 23719	108.89 0.99 -102.05	43.50 2.98 -14.34	57.78 2.74 -29.85	54.85 2.70 -27.42	52.27 2.79 -24.24	41.65 2.73 -13.38	44.59 2.66 -17.77	68.84 2.77 -45.17	49.42 5.31 -6.95	73.93 5.22 -35.99	90.61 5.68 -51.92	89.19 6.26 -46.59	167.21 6.07 -123.93	255.38 6.21 -211.45	277.71 6.01 -235.89	238.85 5.72 -198.73	364.50 37.03 -64.71	599.72 61.07 -139.61	330.02 5.62 -286.34	223.32 2.66 -197.42	156.00 3.63 -125.38	63.10 4.33 -26.30	38.63 3.62 -6.82	57.81 2.34 -38.29
SOUTH_FORK_WT_PWR 323839	108.83 0.92 -102.05	43.18 2.65 -14.34	57.48 2.44 -29.85	54.57 2.43 -27.42	52.06 2.58 -24.24	41.36 2.44 -13.38	44.34 2.41 -17.77	68.66 2.59 -45.17	49.54 5.43 -6.95	74.36 5.66 -35.99	91.05 6.12 -51.91	89.61 6.68 -46.59	167.51 6.40 -123.91	255.75 6.64 -211.40	277.99 6.34 -235.83	239.05 5.97 -198.68	365.07 37.64 -64.67	600.44 61.82 -139.58	329.89 5.57 -286.27	223.18 2.59 -197.35	155.71 3.37 -125.35	62.64 3.87 -26.30	38.26 3.25 -6.82	57.62 2.15 -38.29
SPIERFLS_115KV_TB 1 80737	23.66 0.52 -17.29	28.77 1.99 -0.60	26.94 1.63 -0.13	26.40 1.67 0.00	26.63 1.39 0.00	27.20 1.47 -0.18	28.43 1.58 -2.69	29.14 1.60 -6.65	40.34 2.88 -0.30	34.92 2.21 0.00	34.94 1.94 0.00	38.69 2.34 0.00	39.72 2.52 0.00	40.20 2.49 0.00	40.62 2.51 -2.30	40.08 2.54 -3.14	284.22 21.46 0.00	574.85 32.47 -143.34	44.25 1.95 -4.25	46.32 1.31 -21.76	33.35 1.59 -4.77	36.91 1.90 -2.55	30.39 1.53 -0.67	21.38 0.91 -3.29
ST LAWRENCE____ 23600	5.69 -0.16 0.00	25.54 -0.65 0.00	24.65 -0.62 -0.08	24.58 -0.61 -0.46	24.19 -0.58 0.47	25.21 -0.63 -0.29	27.09 -0.66 -3.59	20.15 -0.75 0.00	35.80 -1.36 0.00	31.51 -1.20 0.00	31.61 -1.40 0.00	34.91 -1.43 0.00	35.72 -1.48 0.00	36.16 -1.55 0.00	32.23 -1.44 2.15	4.53 -1.48 28.39	249.83 -10.94 1.99	383.72 -15.33 0.00	36.51 -1.54 0.00	22.24 -1.01 0.00	25.89 -1.10 0.00	31.29 -1.17 0.00	27.23 -0.96 0.00	17.23 -0.66 -0.71
STATE_CA_115KV_115_LB 55624	24.62 0.33 -18.43	27.85 1.03 -0.64	26.35 1.03 -0.14	25.80 1.07 0.00	26.31 1.07 0.00	26.80 1.06 -0.20	28.02 0.98 -2.88	28.96 0.96 -7.10	39.15 1.67 -0.32	33.97 1.27 0.00	34.35 1.34 0.00	37.84 1.50 0.00	38.79 1.60 0.00	39.43 1.72 0.00	38.31 1.67 -0.83	37.24 1.70 -1.14	275.40 12.63 0.00	521.77 19.73 -103.00	44.23 1.60 -4.58	47.63 0.94 -23.45	33.21 1.09 -5.13	36.48 1.27 -2.75	30.11 1.20 -0.72	21.46 0.78 -3.51
STATE_ST_34_KV_LOAD 55959	6.12 -0.09 -0.36	26.50 0.08 -0.22	25.14 -0.03 0.01	24.39 -0.04 0.30	24.48 -0.13 0.63	24.81 0.01 0.74	23.12 0.09 1.13	21.16 0.27 0.00	37.54 0.38 0.00	33.31 0.60 0.00	33.43 0.42 0.00	36.84 0.45 -0.05	37.68 0.48 0.00	38.21 0.38 -0.13	36.93 0.50 -0.62	34.77 0.25 -0.12	265.24 2.46 -0.01	401.00 1.96 0.00	38.60 0.55 0.00	23.80 0.56 0.00	27.61 0.60 -0.03	33.09 0.57 -0.06	28.65 0.46 0.00	16.89 0.23 0.52



STATION 5_MISC_HYD 23604	5.00 -0.38 0.48	25.36 -0.52 0.30	24.50 -0.68 0.00	24.04 -0.69 0.00	24.44 -0.79 0.00	24.89 -0.66 0.00	23.54 -0.62 0.00	20.68 -0.21 0.00	36.84 -0.32 0.00	32.68 -0.03 0.00	32.88 -0.13 0.00	35.84 -0.51 0.00	36.77 -0.43 0.00	37.06 -0.68 -0.02	34.97 -0.84 0.00	33.29 -1.12 -0.01	256.45 -6.32 -0.01	388.96 -10.08 0.00	37.82 -0.23 0.00	23.45 0.21 0.00	27.06 0.07 0.00	32.55 0.09 0.00	28.04 -0.15 0.00	17.09 -0.09 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	5.15 -0.26 0.45	25.65 -0.26 0.28	24.76 -0.43 0.00	24.28 -0.45 0.00	24.73 -0.51 0.00	25.15 -0.40 0.00	23.84 -0.33 0.00	20.91 0.02 0.00	37.27 0.12 0.00	33.10 0.39 0.00	33.31 0.30 0.00	36.44 0.09 -0.01	37.36 0.16 0.00	37.80 0.08 -0.01	35.93 -0.04 -0.16	34.03 -0.36 0.00	261.63 -1.13 0.00	396.27 -2.78 0.00	38.47 0.42 0.00	23.82 0.58 0.00	27.52 0.53 -0.01	33.01 0.53 -0.01	28.44 0.25 0.00	17.31 0.13 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	5.03 -0.37 0.46	25.26 -0.64 0.29	24.40 -0.78 0.00	23.94 -0.79 0.00	24.34 -0.89 0.00	24.78 -0.77 0.00	23.44 -0.72 0.00	20.60 -0.30 0.00	36.68 -0.48 0.00	32.55 -0.16 0.00	32.75 -0.26 0.00	35.72 -0.62 0.00	36.69 -0.51 0.00	36.98 -0.74 -0.02	34.92 -0.89 0.00	33.24 -1.17 -0.01	256.07 -6.70 -0.01	388.28 -10.76 0.00	37.72 -0.33 0.00	23.36 0.11 0.00	26.96 -0.03 0.00	32.41 -0.06 0.00	27.92 -0.27 0.00	17.02 -0.16 0.00
STA_56___34_KV_BUS2 355983	5.03 -0.37 0.46	25.26 -0.64 0.29	24.40 -0.78 0.00	23.94 -0.79 0.00	24.34 -0.89 0.00	24.78 -0.77 0.00	23.44 -0.72 0.00	20.60 -0.30 0.00	36.68 -0.48 0.00	32.55 -0.16 0.00	32.75 -0.26 0.00	35.72 -0.62 0.00	36.69 -0.51 0.00	36.98 -0.74 -0.02	34.92 -0.89 0.00	33.24 -1.17 -0.01	256.07 -6.70 -0.01	388.28 -10.76 0.00	37.72 -0.33 0.00	23.36 0.11 0.00	26.96 -0.03 0.00	32.41 -0.06 0.00	27.92 -0.27 0.00	17.02 -0.16 0.00
STA_67___115KV_BK2 355882	5.00 -0.38 0.48	25.29 -0.59 0.30	24.43 -0.75 0.00	23.98 -0.75 0.00	24.38 -0.85 0.00	24.82 -0.73 0.00	23.48 -0.68 0.00	20.62 -0.27 0.00	36.72 -0.44 0.00	32.57 -0.14 0.00	32.76 -0.25 0.00	35.68 -0.66 0.00	36.61 -0.58 0.00	36.90 -0.83 -0.02	34.84 -0.97 0.00	33.16 -1.24 -0.01	255.70 -7.07 -0.01	387.48 -11.56 0.00	37.65 -0.40 0.00	23.34 0.10 0.00	26.96 -0.03 0.00	32.43 -0.03 0.00	27.94 -0.24 0.00	17.04 -0.14 0.00
STA_7___115KV_9TRANS 80674	5.06 -0.32 0.48	25.52 -0.37 0.30	24.64 -0.54 0.00	24.17 -0.56 0.00	24.57 -0.66 0.00	25.02 -0.53 0.00	23.67 -0.49 0.00	20.80 -0.09 0.00	37.04 -0.12 0.00	32.90 0.19 0.00	33.11 0.10 0.00	36.08 -0.26 0.00	37.10 -0.09 0.00	37.36 -0.37 -0.02	35.25 -0.56 0.00	33.55 -0.86 -0.01	258.75 -4.02 -0.01	392.27 -6.77 0.00	38.13 0.08 0.00	23.64 0.40 0.00	27.29 0.30 0.00	32.82 0.35 0.00	28.25 0.07 0.00	17.21 0.03 0.00
STA_82___115KV_TB1 80780	5.00 -0.37 0.48	25.29 -0.59 0.30	24.44 -0.74 0.00	23.99 -0.74 0.00	24.39 -0.85 0.00	24.83 -0.72 0.00	23.48 -0.68 0.00	20.63 -0.26 0.00	36.72 -0.43 0.00	32.58 -0.13 0.00	32.78 -0.24 0.00	35.69 -0.66 0.00	36.63 -0.56 0.00	36.91 -0.82 -0.02	34.85 -0.96 0.00	33.17 -1.24 -0.01	255.72 -7.05 -0.01	387.48 -11.56 0.00	37.67 -0.38 0.00	23.34 0.10 0.00	26.96 -0.02 0.00	32.44 -0.02 0.00	27.96 -0.23 0.00	17.05 -0.13 0.00
STEEL___WIND 323596	4.24 -0.71 0.90	24.55 -1.07 0.57	23.90 -1.28 0.00	23.44 -1.29 0.00	23.81 -1.43 0.00	24.27 -1.27 0.00	22.93 -1.23 0.00	20.30 -0.60 0.00	36.27 -0.89 0.00	32.22 -0.50 0.00	32.25 -0.76 0.00	34.89 -1.45 0.00	35.29 -1.91 0.00	34.72 -2.07 0.91	33.68 -2.13 0.00	31.19 -2.32 0.89	248.66 -14.01 0.09	382.05 -21.94 -4.95	37.06 -1.00 0.00	23.15 -0.09 0.00	26.87 -0.12 0.00	32.10 -0.36 0.00	27.63 -0.57 0.00	16.83 -0.34 0.00
STEPHTWN_115KV_BK_2 55603	24.81 0.36 -18.60	27.88 1.05 -0.64	26.36 1.04 -0.14	25.84 1.11 0.00	26.37 1.14 0.00	26.84 1.09 -0.20	28.12 1.04 -2.91	29.14 1.05 -7.19	39.31 1.83 -0.33	34.05 1.34 0.00	34.34 1.33 0.00	37.98 1.64 0.00	38.84 1.65 0.00	39.50 1.79 0.00	26.98 1.75 10.58	21.70 1.76 14.45	276.00 13.24 0.00	508.10 21.40 -87.66	44.62 1.90 -4.67	48.14 0.97 -23.94	33.32 1.09 -5.24	36.49 1.22 -2.81	30.08 1.15 -0.73	21.53 0.80 -3.56
STEUBEN_REC_LFGE 323667	1.87 -0.96 3.03	23.24 -1.03 1.92	23.95 -1.23 0.00	23.46 -1.28 0.00	24.04 -1.20 0.00	24.28 -1.27 0.00	23.07 -1.09 0.00	20.34 -0.55 0.00	36.89 -0.27 0.00	33.05 0.34 0.00	32.95 -0.06 0.00	35.26 -1.10 -0.02	35.08 -2.11 0.00	37.52 -2.18 -1.99	34.01 -2.00 -0.20	34.10 -2.25 -1.96	248.05 -14.92 -0.20	384.47 -21.57 -7.00	37.44 -0.61 0.00	23.83 0.59 0.00	27.82 0.82 -0.01	33.13 0.65 -0.02	28.45 0.26 0.00	17.20 0.03 0.00
STILLWATER___SOLAR 323814	24.15 0.48 -17.82	28.54 1.73 -0.62	26.89 1.57 -0.13	26.34 1.61 0.00	26.79 1.56 0.00	27.34 1.60 -0.19	28.53 1.60 -2.76	29.24 1.53 -6.82	40.15 2.68 -0.31	34.81 2.10 0.00	34.97 1.96 0.00	38.62 2.27 0.00	39.63 2.44 0.00	40.20 2.49 0.00	41.04 2.48 -2.75	40.63 2.48 -3.75	283.26 20.50 0.00	569.83 31.88 -138.91	44.83 2.41 -4.37	47.17 1.52 -22.40	33.72 1.82 -4.91	37.26 2.17 -2.63	30.73 1.85 -0.69	21.63 1.08 -3.37
STONY___BROOK 24151	108.89 0.98 -102.05	43.40 2.87 -14.34	57.72 2.68 -29.85	54.73 2.58 -27.42	51.97 2.49 -24.24	41.50 2.57 -13.38	44.36 2.43 -17.77	68.44 2.37 -45.17	48.69 4.58 -6.95	75.33 4.30 -38.33	99.59 4.60 -61.98	97.33 4.91 -56.07	192.06 4.90 -149.96	301.30 5.08 -258.51	327.97 4.93 -287.23	286.88 4.85 -247.63	381.58 33.38 -85.44	604.58 54.09 -151.45	397.94 5.08 -354.80	260.58 2.63 -234.70	181.78 3.32 -151.48	66.43 3.78 -30.18	38.61 3.25 -7.16	57.92 2.19 -38.55
STURGEON_POOL_HYD 23609	6.45 0.60 0.00	27.96 1.77 0.00	26.85 1.67 0.00	26.34 1.61 0.00	26.82 1.59 0.00	27.17 1.62 0.00	25.72 1.55 0.00	22.55 1.65 0.00	40.28 3.13 0.00	35.62 2.91 0.00	36.36 3.35 0.00	40.16 3.81 0.00	41.06 3.86 0.00	41.71 4.00 0.00	38.67 3.91 1.04	37.59 3.93 0.74	291.40 28.63 0.00	480.09 42.14 -38.91	52.91 4.08 -10.77	81.59 2.36 -55.99	36.31 2.64 -6.69	38.43 3.03 -2.94	31.31 2.59 -0.53	18.72 1.54 0.00
ST_LAW_115_BK7_LBMP 345037	5.68 -0.17 0.00	25.48 -0.71 0.00	24.61 -0.67 -0.10	24.73 -0.68 -0.68	24.44 -0.64 0.15	25.63 -0.69 -0.77	28.15 -0.72 -4.71	20.08 -0.82 0.00	35.67 -1.49 0.00	31.41 -1.30 0.00	31.49 -1.52 0.00	34.80 -1.54 0.00	35.60 -1.60 0.00	36.03 -1.68 0.00	31.78 -1.54 2.48	3.30 -1.60 29.51	248.57 -11.89 2.31	382.33 -16.72 0.00	36.37 -1.68 0.00	22.14 -1.10 0.00	25.79 -1.19 0.00	31.19 -1.28 0.00	27.14 -1.05 0.00	17.52 -0.71 -1.04
ST_LAW_115_BK8_LBMP 345038	5.68 -0.17 0.00	25.48 -0.71 0.00	24.61 -0.67 -0.10	24.73 -0.68 -0.68	24.44 -0.64 0.15	25.63 -0.69 -0.77	28.15 -0.72 -4.71	20.08 -0.82 0.00	35.67 -1.49 0.00	31.41 -1.30 0.00	31.49 -1.52 0.00	34.80 -1.54 0.00	35.60 -1.60 0.00	36.03 -1.68 0.00	31.78 -1.54 2.48	3.30 -1.60 29.51	248.57 -11.89 2.31	382.33 -16.72 0.00	36.37 -1.68 0.00	22.14 -1.10 0.00	25.79 -1.19 0.00	31.19 -1.28 0.00	27.14 -1.05 0.00	17.52 -0.71 -1.04



ST_LAW_230_BK5_LBMP 345035	5.69 -0.16 0.00	25.54 -0.65 0.00	24.63 -0.62 -0.06	24.28 -0.61 -0.16	23.80 -0.58 0.85	24.63 -0.63 0.29	25.71 -0.66 -2.21	20.15 -0.75 0.00	35.80 -1.36 0.00	31.51 -1.20 0.00	31.61 -1.40 0.00	34.91 -1.43 0.00	35.72 -1.48 0.00	36.16 -1.55 0.00	32.51 -1.44 1.86	5.43 -1.48 27.48	250.09 -10.94 1.73	383.72 -15.33 0.00	36.51 -1.54 0.00	22.24 -1.01 0.00	25.89 -1.10 0.00	31.29 -1.17 0.00	27.23 -0.96 0.00	16.72 -0.66 -0.20
ST_LAW_230_BK6_LBMP 345036	5.69 -0.16 0.00	25.54 -0.65 0.00	24.63 -0.62 -0.06	24.28 -0.61 -0.16	23.80 -0.58 0.85	24.63 -0.63 0.29	25.71 -0.66 -2.21	20.15 -0.75 0.00	35.80 -1.36 0.00	31.51 -1.20 0.00	31.61 -1.40 0.00	34.91 -1.43 0.00	35.72 -1.48 0.00	36.16 -1.55 0.00	32.51 -1.44 1.86	5.43 -1.48 27.48	250.09 -10.94 1.73	383.72 -15.33 0.00	36.51 -1.54 0.00	22.24 -1.01 0.00	25.89 -1.10 0.00	31.29 -1.17 0.00	27.23 -0.96 0.00	16.72 -0.66 -0.20
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	-92.88 0.54 99.28	23.50 1.67 4.35	25.87 1.56 0.88	26.25 1.52 0.00	26.73 1.49 0.00	25.85 1.54 1.24	7.47 1.45 18.14	-22.35 1.51 44.76	37.95 2.81 2.02	35.29 2.58 0.00	35.96 2.95 0.00	39.63 3.28 0.00	40.50 3.30 0.00	41.17 3.46 0.00	39.60 3.35 -0.44	44.67 3.37 -6.91	287.85 25.09 0.00	466.12 38.22 -28.86	98.76 3.52 -57.19	319.12 1.98 -293.90	87.09 2.27 -57.84	65.30 2.58 -30.25	34.81 2.22 -4.40	-3.58 1.38 22.14
SWANROAD_115KV_TB1 355699	4.29 -0.80 0.76	23.91 -1.79 0.48	23.23 -1.95 0.00	22.84 -1.89 0.00	23.14 -2.09 0.00	23.62 -1.93 0.00	22.28 -1.88 0.00	19.68 -1.22 0.00	34.96 -2.19 0.00	30.99 -1.72 0.00	31.01 -2.00 0.00	33.47 -2.87 0.00	34.02 -3.19 -0.01	33.60 -3.51 0.61	32.35 -3.46 0.00	29.99 -3.78 0.62	237.76 -24.97 0.03	365.39 -38.14 -4.48	35.55 -2.50 0.00	22.19 -1.06 0.00	25.66 -1.33 0.00	30.83 -1.63 0.00	26.59 -1.60 0.00	16.27 -0.90 0.00
SYNERGY___BIOGAS 323694	4.72 -0.49 0.65	25.29 -0.49 0.41	24.50 -0.68 0.00	24.02 -0.71 0.00	24.39 -0.85 0.00	24.89 -0.66 0.00	23.56 -0.60 0.00	20.81 -0.08 0.00	37.05 -0.11 0.00	32.83 0.12 0.00	32.72 -0.29 0.00	35.16 -1.19 0.00	36.11 -1.09 -0.01	35.95 -1.45 0.32	34.06 -1.75 0.00	32.06 -1.99 0.35	249.39 -13.39 -0.02	378.84 -20.21 -0.01	37.24 -0.82 0.00	23.30 0.05 0.00	27.02 0.03 0.00	32.93 0.46 0.00	28.30 0.11 0.00	17.24 0.06 0.00
SYRACUSE___ENERGY_ST1 323597	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.95 0.24 0.00	33.24 0.23 0.00	36.62 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.84 0.28 -0.74	34.51 0.11 0.00	263.72 0.96 0.00	399.30 0.26 0.00	38.34 0.28 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.25 -0.07	28.30 0.11 0.00	16.61 0.08 0.64
SYRACUSE___ENERGY_ST2 323598	5.76 -0.10 0.00	26.06 -0.13 0.00	24.96 -0.20 0.02	24.13 -0.24 0.37	24.22 -0.25 0.76	24.44 -0.20 0.90	22.67 -0.12 1.38	20.94 0.04 0.00	37.27 0.11 0.00	32.95 0.24 0.00	33.24 0.23 0.00	36.62 0.22 -0.06	37.45 0.25 0.00	37.99 0.28 0.00	36.84 0.28 -0.74	34.51 0.11 0.00	263.72 0.96 0.00	399.30 0.26 0.00	38.34 0.28 0.00	23.55 0.31 0.00	27.31 0.29 -0.04	32.78 0.25 -0.07	28.30 0.11 0.00	16.61 0.08 0.64
SYRACUSE___POWER 24017	5.75 -0.11 0.00	26.01 -0.18 0.00	24.91 -0.25 0.02	24.06 -0.27 0.39	24.14 -0.28 0.81	24.33 -0.25 0.96	22.52 -0.18 1.46	20.89 -0.01 0.00	37.22 0.06 0.00	32.89 0.18 0.00	33.21 0.20 0.00	36.56 0.18 -0.04	37.41 0.21 0.00	37.96 0.25 0.00	36.56 0.25 -0.50	34.48 0.08 0.00	263.48 0.72 0.00	399.09 0.05 0.00	38.28 0.23 0.00	23.51 0.27 0.00	27.25 0.24 -0.02	32.70 0.19 -0.05	28.24 0.05 0.00	16.54 0.04 0.68
TALLMAN___138KV_BK151 55660	-115.23 0.63 121.72	22.65 1.88 5.41	25.75 1.76 1.19	26.43 1.70 0.00	26.91 1.67 0.00	25.59 1.73 1.68	1.14 1.59 24.61	-38.16 1.68 60.73	37.57 3.15 2.74	35.62 2.91 0.00	36.38 3.37 0.00	40.08 3.73 0.00	40.95 3.75 0.00	41.60 3.89 0.00	40.06 3.77 -0.48	42.81 3.78 -4.62	290.75 27.99 0.00	471.37 42.60 -29.73	84.76 3.93 -42.78	245.53 2.16 -220.13	70.74 2.48 -41.27	56.61 2.83 -21.32	33.19 2.44 -2.57	-11.33 1.53 30.04
TEALLAVE_115KV_TB7 355573	5.73 -0.13 0.00	25.91 -0.27 0.00	24.83 -0.34 0.02	23.93 -0.36 0.44	23.95 -0.37 0.91	24.13 -0.33 1.08	22.25 -0.26 1.65	20.82 -0.08 0.00	37.09 -0.07 0.00	32.79 0.08 0.00	33.09 0.07 0.00	36.39 0.01 -0.03	37.24 0.04 0.00	37.78 0.07 0.00	36.29 0.08 -0.40	34.34 -0.06 0.00	262.48 -0.28 0.00	397.40 -1.65 0.00	38.12 0.07 0.00	23.40 0.16 0.00	27.12 0.11 -0.02	32.56 0.05 -0.04	28.13 -0.06 0.00	16.40 -0.02 0.76
TELGRAPH_34_KV_EAST 80808	4.51 -0.64 0.70	24.59 -1.16 0.44	23.84 -1.34 0.00	23.40 -1.33 0.00	23.75 -1.49 0.00	24.23 -1.32 0.00	22.90 -1.27 0.00	20.23 -0.67 0.00	35.98 -1.18 0.00	31.93 -0.78 0.00	31.94 -1.07 0.00	34.53 -1.82 0.00	35.24 -1.97 -0.01	34.98 -2.33 0.40	33.39 -2.42 0.00	31.20 -2.76 0.44	245.13 -17.65 -0.02	376.53 -26.75 -4.23	36.60 -1.45 0.00	22.84 -0.40 0.00	26.45 -0.54 0.00	31.87 -0.59 0.00	27.45 -0.74 0.00	16.76 -0.42 0.00
TEMPLE___115KV_TB 2 55572	5.72 -0.13 0.00	25.93 -0.25 0.00	24.84 -0.33 0.02	23.95 -0.35 0.42	23.99 -0.35 0.89	24.17 -0.32 1.06	22.31 -0.25 1.61	20.83 -0.06 0.00	37.12 -0.04 0.00	32.81 0.09 0.00	33.12 0.11 0.00	36.43 0.06 -0.03	37.27 0.08 0.00	37.82 0.11 0.00	36.33 0.12 -0.40	34.37 -0.03 0.00	262.74 -0.02 0.00	397.80 -1.25 0.00	38.16 0.11 0.00	23.42 0.18 0.00	27.15 0.14 -0.02	32.59 0.09 -0.04	28.16 -0.04 0.00	16.43 -0.01 0.74
TIANA____69_KV_BK 1 55817	108.87 0.96 -102.05	43.38 2.86 -14.34	57.69 2.66 -29.85	54.73 2.58 -27.42	52.07 2.59 -24.24	41.56 2.63 -13.38	44.45 2.53 -17.77	68.59 2.53 -45.17	49.11 5.00 -6.95	73.51 4.81 -35.99	90.15 5.22 -51.92	88.67 5.73 -46.59	166.81 5.69 -123.93	255.10 5.96 -211.44	277.46 5.79 -235.87	238.69 5.58 -198.71	365.30 37.84 -64.70	601.51 62.88 -139.59	330.45 6.08 -286.32	223.67 3.04 -197.39	156.12 3.77 -125.37	63.04 4.28 -26.30	38.63 3.61 -6.82	57.79 2.33 -38.29
TILDEN___115KV_TB1 80814	5.75 -0.11 0.00	26.01 -0.18 0.00	24.91 -0.25 0.02	24.06 -0.27 0.39	24.14 -0.28 0.81	24.33 -0.25 0.96	22.52 -0.18 1.46	20.89 -0.01 0.00	37.22 0.06 0.00	32.89 0.18 0.00	33.21 0.20 0.00	36.56 0.18 -0.04	37.41 0.21 0.00	37.96 0.25 0.00	36.56 0.25 -0.50	34.48 0.08 0.00	263.48 0.72 0.00	399.09 0.05 0.00	38.28 0.23 0.00	23.51 0.27 0.00	27.25 0.24 -0.02	32.70 0.19 -0.05	28.24 0.05 0.00	16.54 0.04 0.68
TRIGEN___CC 323695	108.71 0.81 -102.05	42.99 2.46 -14.34	57.38 2.35 -29.85	54.43 2.29 -27.42	51.74 2.26 -24.24	41.27 2.34 -13.38	44.12 2.19 -17.77	68.21 2.14 -45.17	48.19 4.09 -6.95	55.38 3.72 -18.94	53.54 4.10 -16.42	53.99 4.53 -13.12	77.45 4.53 -35.73	129.57 4.72 -87.14	143.99 4.57 -103.60	110.09 4.51 -71.19	415.62 32.32 -120.53	741.51 50.47 -292.00	139.63 4.71 -96.86	192.27 2.52 -166.52	76.12 2.96 -46.17	48.49 3.41 -12.61	36.71 2.99 -5.54	55.54 1.91 -36.44



TRINITY__115KV__4 BK 55933	24.82 0.31 -18.65	27.71 0.88 -0.64	26.21 0.89 -0.14	25.68 0.95 0.00	26.18 0.95 0.00	26.67 0.93 -0.20	27.93 0.85 -2.92	28.93 0.84 -7.20	38.92 1.44 -0.33	33.76 1.05 0.00	34.12 1.11 0.00	37.59 1.25 0.00	38.52 1.32 0.00	39.14 1.43 0.00	34.90 1.39 2.30	32.68 1.42 3.14	273.04 10.28 0.00	505.50 16.36 -90.10	44.04 1.34 -4.65	47.86 0.77 -23.84	33.12 0.91 -5.22	36.32 1.06 -2.80	29.95 1.03 -0.73	21.42 0.68 -3.56
UNION__PROCESSING_DRP 323587	5.00 -0.38 0.48	25.30 -0.58 0.30	24.45 -0.73 0.00	23.99 -0.73 0.00	24.39 -0.84 0.00	24.84 -0.71 0.00	23.49 -0.67 0.00	20.64 -0.26 0.00	36.74 -0.42 0.00	32.60 -0.11 0.00	32.79 -0.23 0.00	35.69 -0.65 0.00	36.64 -0.55 0.00	36.93 -0.80 -0.03	34.86 -0.95 0.00	33.19 -1.22 -0.01	255.77 -7.00 -0.01	387.63 -11.42 0.00	37.68 -0.37 0.00	23.36 0.11 0.00	26.98 -0.01 0.00	32.45 -0.01 0.00	27.97 -0.22 0.00	17.05 -0.13 0.00
UPPER HUDSON__HYD 24058	23.66 0.52 -17.29	28.77 1.99 -0.60	26.94 1.63 -0.13	26.39 1.67 0.00	26.63 1.39 0.00	27.20 1.47 -0.18	28.43 1.58 -2.69	29.15 1.60 -6.65	40.34 2.88 -0.30	34.92 2.21 0.00	34.94 1.93 0.00	38.69 2.34 0.00	39.72 2.52 0.00	40.19 2.48 0.00	40.62 2.51 -2.30	40.08 2.54 -3.14	284.22 21.46 0.00	574.90 32.52 -143.34	44.25 1.94 -4.25	46.32 1.31 -21.76	33.35 1.59 -4.77	36.91 1.90 -2.55	30.39 1.53 -0.67	21.38 0.91 -3.29
UPPER RAQUET__HYD 24056	5.54 -0.32 0.00	24.86 -1.33 0.00	23.12 -1.32 0.74	3.01 -1.37 20.36	-23.97 -1.27 47.94	-29.26 -1.32 53.49	-46.36 -1.31 69.22	19.63 -1.27 0.00	34.90 -2.26 0.00	30.77 -1.94 0.00	30.71 -2.30 0.00	33.92 -2.43 -0.01	34.69 -2.50 0.00	35.19 -2.52 0.00	25.16 -2.23 8.42	-17.03 -2.26 49.16	237.35 -17.49 7.92	374.32 -24.73 0.00	35.37 -2.68 0.00	21.54 -1.70 0.00	25.24 -1.75 -0.01	30.58 -1.90 -0.01	26.46 -1.73 0.00	-17.84 -1.21 33.80
VALLEY44_115KV_TB2 355964	4.07 -0.69 1.09	24.65 -0.85 0.69	24.18 -1.01 0.00	23.68 -1.05 0.00	24.19 -1.05 0.00	24.66 -0.88 0.00	23.27 -0.89 0.00	20.50 -0.39 0.00	36.88 -0.28 0.00	32.83 0.12 0.00	32.90 -0.11 0.00	35.51 -0.83 0.00	35.99 -1.21 0.00	36.15 -1.17 0.39	34.42 -1.40 0.00	32.54 -1.49 0.37	254.91 -7.82 0.04	389.74 -14.91 -5.60	37.29 -0.77 0.00	23.31 0.07 0.00	27.17 0.18 0.00	32.44 -0.02 0.00	27.85 -0.34 0.00	16.97 -0.21 0.00
VALLEY__115KV_TB 1-4 80826	6.05 0.20 0.00	27.07 0.88 0.00	25.99 0.82 0.02	26.27 0.81 -0.74	28.75 0.82 -2.69	28.93 0.89 -2.49	26.22 0.87 -1.18	21.69 0.79 0.00	38.48 1.33 0.00	33.76 1.05 0.00	33.98 0.97 0.00	37.40 1.06 0.00	38.32 1.12 0.00	38.94 1.23 0.00	38.92 1.28 -1.83	44.05 1.53 -8.12	277.40 13.00 -1.63	415.60 16.56 0.00	39.22 1.17 0.00	24.08 0.84 0.00	28.03 1.04 0.00	33.66 1.19 0.00	29.21 1.02 0.00	18.99 0.59 -1.22
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	6.11 0.26 0.00	27.44 1.25 0.00	26.40 1.22 0.00	25.93 1.20 0.00	26.46 1.23 0.00	26.83 1.28 0.00	25.37 1.21 0.00	22.06 1.16 0.00	39.24 2.08 0.00	34.65 1.94 0.00	35.09 2.08 0.00	38.61 2.25 -0.01	39.46 2.26 0.00	40.05 2.34 0.00	38.05 2.12 -0.12	36.48 2.08 0.00	279.25 16.49 0.00	449.41 24.16 -26.20	40.73 2.30 -0.38	26.70 1.46 -1.99	28.76 1.69 -0.08	34.43 1.95 -0.01	29.82 1.63 0.00	18.17 0.99 0.00
VISCHER__FERRY HYD 24020	25.55 0.40 -19.30	28.17 1.32 -0.67	26.59 1.26 -0.14	26.05 1.32 0.00	26.55 1.32 0.00	27.09 1.34 -0.20	28.42 1.30 -2.96	29.44 1.25 -7.30	39.68 2.19 -0.33	34.36 1.65 0.00	34.63 1.62 0.00	38.23 1.88 0.00	39.21 2.02 0.00	39.81 2.10 0.00	42.11 2.08 -4.22	42.24 2.07 -5.76	278.16 15.40 0.00	546.63 24.51 -123.08	44.79 2.03 -4.71	48.60 1.23 -24.13	33.75 1.48 -5.28	37.03 1.74 -2.83	30.49 1.55 -0.75	21.71 0.92 -3.61
V_A_10_SYNC_DSASP 323832	4.58 -0.65 0.62	24.53 -1.27 0.39	23.78 -1.40 0.00	23.36 -1.37 0.00	23.72 -1.52 0.00	24.17 -1.37 0.00	22.83 -1.34 0.00	20.10 -0.79 0.00	35.79 -1.37 0.00	31.73 -0.98 0.00	31.81 -1.20 0.00	34.50 -1.85 0.00	35.10 -2.09 0.00	34.86 -2.38 0.46	33.39 -2.42 0.00	31.24 -2.71 0.45	245.14 -17.57 0.06	371.99 -27.05 0.00	36.36 -1.69 0.00	22.62 -0.62 0.00	26.12 -0.87 0.00	31.46 -1.00 0.00	27.14 -1.06 0.00	16.58 -0.60 0.00
V_CMM_10_SYNC_DSASP 323787	5.71 -0.15 0.00	25.59 -0.60 0.00	24.72 -0.57 -0.10	24.84 -0.57 -0.68	24.54 -0.54 0.15	25.74 -0.58 -0.77	28.25 -0.62 -4.71	20.18 -0.72 0.00	35.85 -1.30 0.00	31.57 -1.14 0.00	31.66 -1.35 0.00	34.98 -1.36 0.00	35.79 -1.41 0.00	36.22 -1.49 2.48	31.96 -1.36 0.00	3.34 -1.55 29.51	248.78 -11.67 2.31	382.72 -16.33 0.00	36.41 -1.65 0.00	22.16 -1.08 0.00	25.82 -1.17 0.00	31.32 -1.15 0.00	27.27 -0.93 0.00	17.60 -0.63 -1.04
V_CMP_10_SYNC_DSASP 323788	5.80 -0.05 0.00	26.18 -0.01 0.00	25.18 0.00 0.00	23.28 -0.03 1.41	20.84 0.11 4.50	21.07 -0.08 4.39	20.80 -0.15 3.21	20.51 -0.38 0.00	36.50 -0.66 0.00	31.95 -0.76 0.00	31.73 -1.28 0.00	34.86 -1.48 0.00	35.66 -1.53 0.00	36.15 -1.56 0.00	31.92 -1.45 2.44	3.49 -1.55 29.36	250.03 -10.47 2.27	383.10 -15.94 0.00	36.31 -1.75 0.00	22.24 -1.00 0.00	25.95 -1.04 0.00	31.55 -0.91 0.00	27.86 -0.33 0.00	14.38 -0.49 2.31
V_D_10_SYNC_DSASP 323841	5.69 -0.16 0.00	25.52 -0.66 0.00	24.71 -0.64 -0.17	25.56 -0.65 -1.49	25.54 -0.62 -0.92	27.30 -0.66 -2.41	32.04 -0.71 -8.59	20.11 -0.79 0.00	35.72 -1.44 0.00	31.51 -1.20 0.00	31.52 -1.49 0.00	34.82 -1.52 0.00	35.63 -1.56 0.00	36.08 -1.63 0.00	30.89 -1.47 3.45	0.19 -1.57 32.64	247.46 -12.10 3.20	382.17 -16.87 0.00	36.32 -1.74 0.00	22.12 -1.12 0.00	25.84 -1.15 0.00	31.27 -1.20 0.00	27.19 -1.01 0.00	18.83 -0.70 -2.35
V_E_10_SYNC_DSASP 323830	7.15 -0.17 -1.47	28.61 1.50 -0.93	26.55 1.36 0.00	25.98 1.25 0.00	26.75 1.51 0.00	27.52 1.97 0.00	26.20 2.03 0.00	22.81 1.91 0.00	40.53 3.37 0.00	35.68 2.97 0.00	35.82 2.81 0.00	39.07 2.70 -0.02	39.54 2.34 0.00	39.92 2.07 -0.14	38.17 2.07 -0.29	36.61 2.08 -0.13	283.26 20.48 -0.01	442.11 29.35 -13.72	40.46 2.40 0.00	25.29 2.05 0.00	29.94 2.93 -0.01	36.04 3.55 -0.03	30.96 2.77 0.00	18.78 1.61 0.00
V_F_30_SYNC_DSASP 323816	23.92 0.48 -17.58	28.56 1.77 -0.61	26.93 1.61 -0.13	26.36 1.63 0.00	26.82 1.58 0.00	27.36 1.63 -0.19	28.52 1.63 -2.73	29.19 1.55 -6.74	40.21 2.74 -0.30	34.87 2.16 0.00	35.05 2.04 0.00	38.72 2.37 0.00	39.73 2.54 0.00	40.31 2.60 0.00	40.94 2.58 -2.55	40.44 2.57 -3.48	283.79 21.03 0.00	572.40 32.46 -140.89	44.83 2.45 -4.32	46.93 1.56 -22.12	33.69 1.86 -4.84	37.27 2.21 -2.60	30.76 1.88 -0.68	21.62 1.11 -3.33
V_F_30_SYNC_DSASP 323786	24.64 0.34 -18.45	27.85 1.03 -0.64	26.35 1.03 -0.14	25.80 1.07 0.00	26.31 1.07 0.00	26.80 1.06 -0.20	28.02 0.98 -2.88	28.96 0.96 -7.10	39.15 1.67 -0.32	33.97 1.27 0.00	34.35 1.34 0.00	37.84 1.50 0.00	38.79 1.60 0.00	39.42 1.71 0.00	38.28 1.66 -0.81	37.20 1.69 -1.10	275.37 12.61 0.00	521.32 19.73 -102.55	44.23 1.59 -4.58	47.65 0.94 -23.47	33.21 1.09 -5.14	36.48 1.27 -2.76	30.10 1.19 -0.72	21.47 0.77 -3.51



V_XM10_SYNC_DSASP 323789	5.80 -0.05 0.00	26.18 -0.01 0.00	25.18 0.00 0.00	23.28 -0.03 1.41	20.84 0.11 4.50	21.07 -0.08 4.39	20.80 -0.15 3.21	20.51 -0.38 0.00	36.50 -0.66 0.00	31.95 -0.76 0.00	31.73 -1.28 0.00	34.86 -1.48 0.00	35.66 -1.53 0.00	36.15 -1.56 0.00	31.92 -1.45 2.44	3.49 -1.55 29.36	250.03 -10.47 2.27	383.10 -15.94 0.00	36.31 -1.75 0.00	22.24 -1.00 0.00	25.95 -1.04 0.00	31.55 -0.91 0.00	27.86 -0.33 0.00	14.38 -0.49 2.31
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	-119.87 0.64 126.37	22.56 1.97 5.60	25.76 1.85 1.27	26.52 1.79 0.00	26.99 1.75 0.00	25.57 1.81 1.79	-0.42 1.68 26.27	-42.16 1.75 64.81	37.51 3.28 2.93	35.73 3.02 0.00	36.48 3.47 0.00	40.20 3.85 0.00	41.08 3.88 0.00	41.77 4.05 0.00	40.22 3.92 -0.49	42.16 3.92 -3.85	291.84 29.08 0.00	473.10 44.15 -29.90	79.22 4.09 -37.08	216.49 2.26 -190.99	64.37 2.59 -34.79	53.26 2.96 -17.83	32.62 2.55 -1.89	-13.29 1.58 32.06
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	106.90 0.74 -100.32	32.82 2.34 -4.29	28.23 2.19 -0.85	26.85 2.12 0.00	27.33 2.09 0.00	28.94 2.19 -1.20	43.83 2.05 -17.61	67.86 2.12 -44.85	43.06 3.93 -1.96	42.15 3.57 -5.87	39.61 3.94 -2.66	41.47 4.34 -0.80	41.48 4.28 0.00	42.14 4.43 0.00	40.66 4.31 -0.55	41.07 4.29 -2.38	294.06 31.30 0.00	477.87 47.55 -31.27	69.36 4.46 -26.85	164.25 2.37 -138.64	52.43 2.71 -22.74	46.88 3.11 -11.30	34.10 2.79 -3.12	40.45 1.78 -21.49
W50THST__13_KV_LOAD 356117	106.95 0.78 -100.32	33.04 2.57 -4.29	28.44 2.41 -0.85	27.06 2.33 0.00	27.55 2.31 0.00	29.16 2.41 -1.20	44.04 2.26 -17.61	68.05 2.31 -44.85	43.41 4.29 -1.96	42.47 3.89 -5.87	39.93 4.26 -2.66	41.80 4.66 -0.80	41.81 4.61 0.00	42.48 4.77 0.00	40.98 4.63 -0.55	41.37 4.59 -2.38	296.41 33.65 0.00	481.31 50.99 -31.27	69.68 4.78 -26.85	164.42 2.54 -138.64	52.63 2.91 -22.74	47.12 3.35 -11.30	34.29 2.98 -3.12	40.58 1.90 -21.49
WADING RIVER_IC_1 23522	108.81 0.90 -102.05	43.09 2.56 -14.34	57.42 2.38 -29.85	54.46 2.31 -27.42	51.76 2.28 -24.24	41.27 2.35 -13.38	44.17 2.24 -17.77	68.30 2.24 -45.17	48.51 4.40 -6.95	72.82 4.17 -35.94	89.33 4.51 -51.81	87.79 4.95 -46.49	165.75 4.92 -123.64	253.76 5.16 -210.89	276.10 5.01 -235.27	237.37 4.83 -198.14	359.24 32.27 -64.20	593.56 55.25 -139.26	329.08 5.50 -285.53	222.56 2.66 -196.66	155.40 3.33 -125.08	62.50 3.77 -26.26	38.22 3.21 -6.82	57.56 2.09 -38.29
WADING RIVER_IC_2 23547	108.81 0.90 -102.05	43.09 2.56 -14.34	57.42 2.38 -29.85	54.46 2.31 -27.42	51.76 2.28 -24.24	41.27 2.35 -13.38	44.17 2.24 -17.77	68.30 2.24 -45.17	48.51 4.40 -6.95	72.82 4.17 -35.94	89.33 4.51 -51.81	87.79 4.95 -46.49	165.75 4.92 -123.64	253.76 5.16 -210.89	276.10 5.01 -235.27	237.37 4.83 -198.14	359.24 32.27 -64.20	593.56 55.25 -139.26	329.08 5.50 -285.53	222.56 2.66 -196.66	155.40 3.33 -125.08	62.50 3.77 -26.26	38.22 3.21 -6.82	57.56 2.09 -38.29
WADING RIVER_IC_3 23601	108.81 0.90 -102.05	43.09 2.56 -14.34	57.42 2.38 -29.85	54.46 2.31 -27.42	51.76 2.28 -24.24	41.27 2.35 -13.38	44.17 2.24 -17.77	68.30 2.24 -45.17	48.51 4.40 -6.95	72.82 4.17 -35.94	89.33 4.51 -51.81	87.79 4.95 -46.49	165.75 4.92 -123.64	253.76 5.16 -210.89	276.10 5.01 -235.27	237.37 4.83 -198.14	359.24 32.27 -64.20	593.56 55.25 -139.26	329.08 5.50 -285.53	222.56 2.66 -196.66	155.40 3.33 -125.08	62.50 3.77 -26.26	38.22 3.21 -6.82	57.56 2.09 -38.29
WALDENNY_12_KV_BK2 80841	4.29 -0.68 0.88	24.59 -1.04 0.56	23.92 -1.25 0.00	23.46 -1.27 0.00	23.83 -1.40 0.00	24.30 -1.24 0.00	22.96 -1.20 0.00	20.31 -0.59 0.00	36.28 -0.88 0.00	32.25 -0.47 0.00	32.33 -0.68 0.00	34.99 -1.36 0.00	35.43 -1.77 0.00	34.83 -1.99 0.89	33.78 -2.03 0.00	31.28 -2.26 0.86	249.66 -13.02 0.08	383.06 -20.88 -4.90	37.12 -0.94 0.00	23.17 -0.07 0.00	26.89 -0.10 0.00	32.14 -0.32 0.00	27.64 -0.55 0.00	16.85 -0.32 0.00
WALDEN__HYDRO 24148	-24.15 0.57 30.58	26.61 1.76 1.33	26.57 1.64 0.25	26.32 1.59 0.00	26.80 1.57 0.00	26.81 1.62 0.36	20.44 1.53 5.26	9.51 1.60 12.98	39.54 2.96 0.59	35.40 2.69 0.00	36.07 3.06 0.00	39.75 3.41 0.00	40.64 3.44 0.00	41.30 3.59 0.00	39.68 3.52 -0.34	39.75 3.56 -1.79	289.36 26.60 0.00	470.14 40.70 -30.40	58.23 3.76 -16.42	110.47 2.14 -85.09	41.31 2.47 -11.85	40.89 2.86 -5.56	31.32 2.45 -0.68	12.26 1.50 6.42
WARRENSBURG____ 23737	23.66 0.52 -17.29	28.77 1.99 -0.60	26.94 1.63 -0.13	26.39 1.67 0.00	26.63 1.39 0.00	27.20 1.47 -0.18	28.43 1.58 -2.69	29.15 1.60 -6.65	40.34 2.88 -0.30	34.92 2.21 0.00	34.94 1.93 0.00	38.69 2.34 0.00	39.72 2.52 0.00	40.19 2.48 0.00	40.62 2.51 -2.30	40.08 2.54 -3.14	284.22 21.46 0.00	574.90 32.52 -143.34	44.25 1.94 -4.25	46.32 1.31 -21.76	33.35 1.59 -4.77	36.91 1.90 -2.55	30.39 1.53 -0.67	21.38 0.91 -3.29
WATERSIDE____6 8 9 23538	106.91 0.78 -100.28	31.74 2.36 -3.19	28.24 2.21 -0.85	26.87 2.14 0.00	27.34 2.11 0.00	28.96 2.21 -1.20	43.88 2.11 -17.60	68.00 2.18 -44.92	43.12 4.00 -1.96	42.52 3.55 -6.26	38.72 3.87 -1.84	39.93 4.18 0.59	37.70 4.16 3.66	35.88 4.37 6.21	34.75 4.25 5.30	30.22 4.24 8.42	293.12 30.36 0.00	476.56 46.25 -31.27	68.62 4.28 -26.29	110.56 2.18 -85.14	54.02 2.50 -24.53	52.34 2.90 -16.98	34.66 2.70 -3.76	37.18 1.78 -18.22
WATKINRD_115KV_LN8_ILLION 55919	6.00 0.14 0.00	26.81 0.62 0.00	25.75 0.58 0.02	26.04 0.58 -0.74	28.51 0.58 -2.69	28.66 0.63 -2.49	25.96 0.62 -1.18	21.47 0.58 0.00	38.13 0.97 0.00	33.45 0.74 0.00	33.69 0.68 0.00	37.09 0.74 0.00	37.98 0.79 0.00	38.59 0.87 0.00	38.55 0.91 -1.83	43.62 1.10 -8.12	273.83 9.44 -1.63	411.30 12.25 0.00	38.92 0.87 0.00	23.85 0.61 0.00	27.75 0.76 0.00	33.34 0.87 0.00	28.94 0.75 0.00	18.84 0.44 -1.22
WATSON__69_KV_BK 1 55734	108.89 0.98 -102.05	43.57 3.04 -14.34	57.91 2.87 -29.85	54.94 2.80 -27.42	52.24 2.77 -24.24	41.78 2.85 -13.38	44.62 2.69 -17.77	68.69 2.63 -45.17	49.16 5.05 -6.95	72.48 4.71 -35.06	72.35 5.03 -34.30	71.86 5.53 -29.98	121.37 5.47 -78.70	176.64 5.68 -133.25	192.22 5.51 -150.90	157.45 5.42 -117.63	357.43 38.28 -56.39	603.02 61.48 -142.50	215.53 5.79 -171.69	201.42 3.10 -175.08	111.73 3.78 -80.96	56.27 4.30 -19.51	38.19 3.73 -6.27	57.78 2.41 -38.19
WDELAWARE__HYD 323627	-18.57 0.40 24.82	26.18 1.05 1.05	25.94 0.93 0.18	25.62 0.89 0.00	26.10 0.86 0.00	26.18 0.89 0.25	21.35 0.86 3.68	12.92 1.10 9.07	39.54 2.79 0.41	35.27 2.56 0.00	35.92 2.91 0.00	39.58 3.24 0.00	40.36 3.16 0.00	40.06 2.35 0.00	37.49 1.68 0.00	36.19 1.79 0.00	276.81 14.04 0.00	450.71 22.08 -29.59	45.72 1.97 -5.69	54.29 1.11 -29.95	29.49 1.34 -1.17	34.68 2.22 0.00	29.74 1.82 0.27	13.74 1.05 4.49
WEST BABYLON__IC 23714	108.84 0.93 -102.05	43.40 2.87 -14.34	57.78 2.75 -29.85	54.82 2.67 -27.42	52.12 2.64 -24.24	41.65 2.73 -13.38	44.50 2.57 -17.77	68.57 2.50 -45.17	48.91 4.80 -6.95	62.07 4.46 -24.90	58.60 4.80 -20.78	58.80 5.23 -17.23	86.79 5.20 -44.39	121.02 5.42 -77.89	132.21 5.27 -91.13	100.02 5.21 -60.41	358.65 36.98 -58.91	623.01 58.98 -164.98	133.13 5.56 -89.51	182.12 2.98 -155.91	78.88 3.58 -48.31	50.84 4.08 -14.29	37.47 3.54 -5.74	56.54 2.27 -37.09



WEST CANADA___HYD 24049	5.92 0.06 0.00	26.42 0.24 0.00	25.39 0.23 0.02	25.69 0.22 -0.74	28.16 0.22 -2.69	28.26 0.23 -2.49	25.59 0.24 -1.18	21.15 0.25 0.00	37.61 0.45 0.00	33.08 0.37 0.00	33.40 0.39 0.00	36.75 0.40 0.00	37.61 0.41 0.00	38.15 0.44 0.00	38.05 0.41 -1.83	42.97 0.45 -8.12	267.63 3.24 -1.63	403.68 4.64 0.00	38.46 0.40 0.00	23.48 0.24 0.00	27.26 0.27 0.00	32.79 0.33 0.00	28.47 0.28 0.00	18.58 0.18 -1.22
WESTERN_NY_WIND 24143	4.72 -0.48 0.66	25.23 -0.54 0.42	24.45 -0.73 0.00	23.97 -0.76 0.00	24.34 -0.89 0.00	24.84 -0.71 0.00	23.51 -0.65 0.00	20.77 -0.13 0.00	36.95 -0.21 0.00	32.78 0.07 0.00	32.67 -0.34 0.00	35.09 -1.25 0.00	36.10 -1.11 -0.01	35.89 -1.48 0.34	34.04 -1.77 0.00	31.99 -2.02 0.38	249.46 -13.32 -0.02	378.60 -20.45 -0.01	37.21 -0.84 0.00	23.27 0.03 0.00	27.00 0.01 0.00	32.85 0.38 0.00	28.23 0.04 0.00	17.20 0.02 0.00
WESTOVER___LESR 323668	5.40 -0.14 0.31	26.11 0.12 0.20	25.21 0.03 0.00	24.72 -0.01 0.00	25.26 0.03 0.00	25.63 0.08 0.00	24.30 0.14 0.00	21.23 0.33 0.00	37.94 0.78 0.00	33.57 0.86 0.00	33.89 0.88 0.00	37.15 0.78 -0.02	37.86 0.66 0.00	38.40 0.69 0.00	36.69 0.61 -0.27	35.02 0.62 0.00	268.39 5.62 0.00	416.03 6.23 -10.75	38.91 0.85 0.00	23.97 0.73 0.00	27.85 0.85 -0.01	33.34 0.85 -0.03	28.79 0.60 0.00	17.52 0.34 0.00
WETHRSFD_WT_PWR 323626	3.82 -0.84 1.19	24.18 -1.25 0.75	23.75 -1.43 0.00	23.24 -1.49 0.00	23.68 -1.55 0.00	24.11 -1.44 0.00	22.84 -1.32 0.00	20.16 -0.74 0.00	36.25 -0.91 0.00	32.26 -0.46 0.00	32.26 -0.76 0.00	34.62 -1.73 0.00	34.86 -2.33 0.00	32.01 -2.49 3.21	33.20 -2.61 0.00	28.65 -2.67 3.08	246.16 -16.28 0.32	379.82 -24.82 -5.59	36.80 -1.25 0.00	23.16 -0.09 0.00	26.94 -0.05 0.00	32.12 -0.34 0.00	27.65 -0.54 0.00	16.79 -0.38 0.00
WHAVSTOR_138KV_BK127 55557	-120.81 0.61 127.28	22.40 1.85 5.63	25.63 1.74 1.29	26.42 1.68 0.00	26.89 1.65 0.00	25.44 1.71 1.82	-0.85 1.58 26.59	-43.07 1.65 65.61	37.29 3.09 2.96	35.54 2.83 0.00	36.27 3.26 0.00	39.96 3.62 0.00	40.82 3.62 0.00	41.48 3.77 0.00	39.95 3.65 -0.49	41.78 3.66 -3.72	289.79 27.03 0.00	470.04 41.05 -29.94	78.05 3.81 -36.19	211.73 2.08 -186.41	63.15 2.39 -33.77	52.48 2.74 -17.28	32.33 2.36 -1.78	-13.79 1.49 32.45
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	-120.81 0.61 127.28	22.40 1.85 5.63	25.63 1.74 1.29	26.42 1.68 0.00	26.89 1.65 0.00	25.44 1.71 1.82	-0.85 1.58 26.59	-43.07 1.65 65.61	37.29 3.09 2.96	35.54 2.83 0.00	36.27 3.26 0.00	39.96 3.62 0.00	40.82 3.62 0.00	41.48 3.77 0.00	39.95 3.65 -0.49	41.78 3.66 -3.72	289.79 27.03 0.00	470.04 41.05 -29.94	78.05 3.81 -36.19	211.73 2.08 -186.41	63.15 2.39 -33.77	52.48 2.74 -17.28	32.33 2.36 -1.78	-13.79 1.49 32.45
WHITEHAL_115KV_TB1 80871	23.69 0.43 -17.41	28.57 1.78 -0.60	26.90 1.59 -0.13	26.51 1.78 0.00	26.90 1.67 0.00	27.47 1.73 -0.18	29.08 2.21 -2.71	30.08 2.50 -6.69	41.82 4.35 -0.30	35.74 3.02 0.00	35.68 2.67 0.00	39.83 3.49 0.00	41.06 3.86 0.00	41.72 4.01 0.00	42.24 4.03 -2.40	41.73 4.05 -3.28	296.00 33.24 0.00	597.82 56.49 -142.28	44.98 2.63 -4.30	47.07 1.78 -22.05	33.63 1.82 -4.83	37.40 2.35 -2.59	30.95 2.07 -0.68	21.47 0.98 -3.31
WHITEPLN_13_KV_LOAD 356215	110.50 0.74 -103.90	33.11 2.42 -4.50	28.35 2.26 -0.91	26.92 2.19 0.00	27.40 2.16 0.00	29.07 2.24 -1.28	45.08 2.13 -18.79	69.44 2.19 -46.35	43.35 4.09 -2.09	36.42 3.70 0.00	37.14 4.13 0.00	40.92 4.58 0.00	41.83 4.63 0.00	42.55 4.84 0.00	41.05 4.70 -0.55	41.53 4.67 -2.47	297.31 34.55 0.00	483.01 52.77 -31.20	70.31 4.92 -27.34	167.12 2.74 -141.14	53.45 3.15 -23.32	47.69 3.61 -11.62	34.50 3.11 -3.20	42.03 1.92 -22.92
WM_FLOYD_69_KV_BK2 356380	108.85 0.95 -102.05	43.36 2.83 -14.34	57.67 2.64 -29.85	54.71 2.56 -27.42	52.02 2.54 -24.24	41.55 2.62 -13.38	44.42 2.50 -17.77	68.52 2.45 -45.17	48.85 4.74 -6.95	73.40 4.46 -36.23	90.32 4.79 -52.52	88.76 5.25 -47.16	167.90 5.21 -125.49	257.54 5.42 -214.40	280.21 5.28 -239.12	241.34 5.15 -201.80	365.08 35.24 -67.08	598.70 58.46 -141.19	334.32 5.67 -290.60	227.15 2.89 -201.02	157.58 3.61 -126.98	63.12 4.12 -26.53	38.54 3.51 -6.85	57.76 2.27 -38.32
WOODARD__115KV_TB2 355635	5.72 -0.14 0.00	25.88 -0.31 0.00	24.79 -0.37 0.02	23.92 -0.40 0.42	23.96 -0.40 0.87	24.15 -0.37 1.03	22.30 -0.29 1.57	20.77 -0.12 0.00	37.01 -0.15 0.00	32.69 -0.02 0.00	33.00 -0.01 0.00	36.31 -0.08 -0.04	37.14 -0.05 0.00	37.69 -0.02 0.00	36.35 0.00 -0.54	34.26 -0.13 0.00	261.99 0.00 0.00	396.85 -2.19 0.00	38.05 0.00 0.00	23.35 0.11 0.00	27.07 0.05 -0.03	32.50 -0.02 -0.05	28.07 -0.12 0.00	16.40 -0.05 0.73
YORK___WARBASSE 23770	107.01 0.83 -100.33	40.39 2.50 -11.71	28.35 2.32 -0.85	26.97 2.24 0.00	27.47 2.23 0.00	29.09 2.34 -1.20	44.00 2.23 -17.60	68.13 2.31 -44.92	43.38 4.23 -1.99	42.72 3.74 -6.26	46.64 4.08 -9.54	51.28 4.39 -10.54	66.17 4.38 -24.60	84.07 4.63 -41.73	80.16 4.49 -39.86	116.74 4.48 -77.86	294.46 31.69 0.00	478.95 48.63 -31.27	85.89 4.51 -43.34	133.90 2.28 -108.39	76.26 2.63 -46.64	76.43 3.06 -40.91	44.88 2.88 -13.81	62.44 1.88 -43.39