

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

09/24/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	50.27	42.39	42.70	30.67	30.48	36.81	55.12	57.79	168.37	69.36	57.20	59.59	81.30	68.48	59.47	46.90	46.78	58.64	64.85	63.75	54.15	53.74	52.87	46.80
24138	1.44	1.60	1.42	1.20	1.25	1.51	2.04	2.20	2.64	2.95	2.56	2.82	3.99	3.58	3.04	2.33	2.39	3.26	3.37	2.84	2.19	2.07	2.01	1.81
	-0.34	-0.18	-0.84	0.00	-0.04	-0.19	-0.29	0.00	-106.86	-2.81	0.00	-1.35	-1.62	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.78	-1.42
74TH STREET_GT_1	50.42	42.50	42.81	30.74	30.54	36.88	55.24	57.91	128.31	68.37	57.19	59.59	81.33	68.53	59.51	46.94	46.82	58.70	64.96	63.90	54.29	53.87	52.99	46.89
24260	1.58	1.71	1.53	1.28	1.32	1.58	2.16	2.31	2.72	3.03	2.55	2.82	4.02	3.64	3.07	2.37	2.43	3.33	3.47	2.99	2.34	2.20	2.13	1.90
	-0.34	-0.18	-0.84	0.00	-0.04	-0.19	-0.29	0.00	-66.72	-1.76	0.00	-1.35	-1.62	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.78	-1.42
74TH STREET_GT_2	50.42	42.50	42.81	30.74	30.54	36.88	55.24	57.91	128.31	68.37	57.19	59.59	81.33	68.53	59.51	46.94	46.82	58.70	64.96	63.90	54.29	53.87	52.99	46.89
24261	1.58	1.71	1.53	1.28	1.32	1.58	2.16	2.31	2.72	3.03	2.55	2.82	4.02	3.64	3.07	2.37	2.43	3.33	3.47	2.99	2.34	2.20	2.13	1.90
	-0.34	-0.18	-0.84	0.00	-0.04	-0.19	-0.29	0.00	-66.72	-1.76	0.00	-1.35	-1.62	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.78	-1.42
ADK HUDSON___FALLS	49.60	41.69	40.93	30.56	30.31	36.30	54.30	57.53	61.07	65.91	56.56	55.86	76.69	66.92	58.50	46.17	46.06	57.85	64.09	63.46	54.05	53.56	50.97	43.52
24011	1.44	1.27	1.33	1.09	1.15	1.38	1.81	1.93	2.21	2.32	1.92	1.79	2.62	2.38	2.07	1.61	1.67	2.48	2.61	2.55	2.09	1.89	1.67	1.38
	0.34	0.18	0.84	0.00	0.04	0.19	0.29	0.00	0.00	0.00	0.00	1.35	1.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.42	
ADK RESOURCE___RCVRY	49.90	41.93	41.18	30.79	30.55	36.60	54.67	57.90	61.48	66.35	56.92	56.15	77.16	67.30	58.83	46.43	46.32	58.19	64.53	63.85	54.35	53.81	51.21	43.73
23798	1.75	1.50	1.57	1.32	1.39	1.68	2.18	2.30	2.62	2.76	2.28	2.06	3.07	2.76	2.40	1.86	1.94	2.81	3.05	2.94	2.40	2.14	1.90	1.56
	0.34	0.18	0.83	0.00	0.03	0.19	0.29	0.00	0.00	0.00	0.00	1.33	1.60	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.41	
ADK S GLENS___FALLS	49.60	41.69	40.93	30.56	30.31	36.30	54.30	57.53	61.07	65.91	56.56	55.86	76.69	66.92	58.50	46.17	46.06	57.85	64.09	63.46	54.05	53.56	50.97	43.52
24028	1.44	1.27	1.33	1.09	1.15	1.38	1.81	1.93	2.21	2.32	1.92	1.79	2.62	2.38	2.07	1.61	1.67	2.48	2.61	2.55	2.09	1.89	1.67	1.38
	0.34	0.18	0.84	0.00	0.04	0.19	0.29	0.00	0.00	0.00	0.00	1.35	1.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.42	
ADK_NYS___DAM	48.20	40.78	39.15	30.12	29.76	35.52	53.09	56.64	60.14	64.96	55.66	53.32	73.46	65.78	57.66	45.51	45.33	56.87	62.82	62.05	53.00	52.63	49.10	41.02
23527	0.49	0.59	0.64	0.64	0.65	0.85	0.98	1.04	1.28	1.37	1.02	1.00	1.49	1.48	1.23	0.95	0.94	1.50	1.33	1.14	1.04	0.96	0.81	0.73
	0.79	0.42	1.93	0.00	0.08	0.44	0.67	0.00	0.00	0.00	0.00	3.11	3.73	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	3.28	
AIR_PRODUCTS___DRP	47.05	39.70	39.02	29.02	28.74	34.40	51.40	54.38	57.77	62.39	53.51	53.29	73.05	63.55	55.48	43.80	43.69	54.70	60.36	59.65	50.91	50.65	48.42	41.56
24190	-1.18	-0.77	-0.79	-0.45	-0.42	-0.57	-1.16	-1.22	-1.09	-1.20	-1.13	-1.12	-1.42	-1.03	-0.95	-0.76	-0.70	-0.67	-1.12	-1.27	-1.04	-1.03	-1.07	-0.94
	0.26	0.14	0.63	0.00	0.03	0.14	0.22	0.00	0.00	0.00	0.00	1.02	1.22	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.08	
AKWESSNE_115KV_BK	49.47	41.28	41.06	29.82	29.47	35.48	53.40	56.30	59.50	64.28	55.31	56.01	76.35	65.20	56.82	44.84	44.55	55.17	61.69	61.54	52.47	52.34	50.83	44.21
355683	0.97	0.67	0.62	0.35	0.27	0.37	0.62	0.70	0.64	0.69	0.67	0.58	0.66	0.48	0.38	0.28	0.16	-0.20	0.21	0.63	0.51	0.67	0.75	0.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ALBANY_1_SOLAR	47.41	39.94	39.50	29.17	28.90	34.60	51.77	54.67	57.92	62.59	53.68	53.78	73.55	63.69	55.58	43.93	43.82	54.92	60.65	59.99	51.22	50.96	48.90	42.16
323833	-0.92	-0.57	-0.53	-0.30	-0.28	-0.41	-0.87	-0.93	-0.94	-1.00	-0.96	-0.98	-1.36	-0.94	-0.86	-0.64	-0.57	-0.45	-0.83	-0.92	-0.73	-0.71	-0.80	-0.71
	0.17	0.09	0.41	0.00	0.02	0.09	0.14	0.00	0.00	0.00	0.00	0.65	0.79	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.70	
ALBANY_2_SOLAR	47.40	39.94	39.48	29.16	28.89	34.60	51.76	54.64	57.89	62.56	53.67	53.77	73.51	63.67	55.55	43.90	43.82	54.91	60.62	59.96	51.20	50.94	48.86	42.14
323834	-0.93	-0.58	-0.55	-0.30	-0.28	-0.42	-0.88	-0.96	-0.97	-1.03	-0.97	-1.00	-1.39	-0.96	-0.89	-0.66	-0.57	-0.46	-0.86	-0.95	-0.76	-0.73	-0.83	-0.72
	0.17	0.09	0.41	0.00	0.02	0.09	0.14	0.00	0.00	0.00	0.00	0.65	0.79	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.70	
ALBANY___1	47.05	39.70	39.02	29.02	28.74	34.40	51.40	54.38	57.77	62.39	53.51	53.29	73.05	63.55	55.48	43.80	43.69	54.70	60.36	59.65	50.91	50.65	48.42	41.56
23571	-1.18	-0.77	-0.79	-0.45	-0.42	-0.57	-1.16	-1.22	-1.09	-1.20	-1.13	-1.12	-1.42	-1.03	-0.95	-0.76	-0.70	-0.67	-1.12	-1.27	-1.04	-1.03	-1.07	-0.94
	0.26	0.14	0.63	0.00	0.03	0.14	0.22	0.00	0.00	0.00	0.00	1.02	1.22	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.08	



ALBANY___2 23572	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.40 -1.16 0.22	54.38 -1.22 0.00	57.77 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.05 -1.42 1.22	63.55 -1.03 0.13	55.48 -0.95 0.00	43.80 -0.76 0.00	43.69 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.27 0.00	50.91 -1.04 0.00	50.65 -1.03 0.00	48.42 -1.07 0.59	41.56 -0.94 1.08
ALBANY___3 23573	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.40 -1.16 0.22	54.38 -1.22 0.00	57.77 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.05 -1.42 1.22	63.55 -1.03 0.13	55.48 -0.95 0.00	43.80 -0.76 0.00	43.69 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.27 0.00	50.91 -1.04 0.00	50.65 -1.03 0.00	48.42 -1.07 0.59	41.56 -0.94 1.08
ALBANY___4 23574	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.40 -1.16 0.22	54.38 -1.22 0.00	57.77 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.05 -1.42 1.22	63.55 -1.03 0.13	55.48 -0.95 0.00	43.80 -0.76 0.00	43.69 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.27 0.00	50.91 -1.04 0.00	50.65 -1.03 0.00	48.42 -1.07 0.59	41.56 -0.94 1.08
ALBANY___LFGE 323615	47.63 -0.58 0.29	40.18 -0.27 0.15	39.43 -0.31 0.70	29.36 -0.11 0.00	29.09 -0.07 0.03	34.80 -0.15 0.16	52.07 -0.47 0.24	55.13 -0.46 0.00	58.57 -0.29 0.00	63.27 -0.32 0.00	54.30 -0.34 0.00	53.98 -0.32 1.13	73.99 -0.35 1.35	64.48 -0.09 0.15	56.31 -0.13 0.00	44.45 -0.11 0.00	44.32 -0.07 0.00	55.49 0.12 0.00	61.24 -0.24 0.00	60.52 -0.40 0.00	51.62 -0.34 0.00	51.33 -0.34 0.00	49.01 -0.43 0.65	42.00 -0.39 1.19
ALCOA_PA_115KV_PL-6C 55860	49.84 1.35 0.00	41.59 0.98 0.00	41.36 0.92 0.00	30.03 0.56 0.00	29.66 0.47 0.00	35.75 0.64 0.00	53.86 1.09 0.00	56.75 1.15 0.00	59.89 1.03 0.00	64.60 1.01 0.00	55.58 0.93 0.00	56.25 0.83 0.00	76.66 0.96 0.00	65.43 0.72 0.00	57.00 0.56 0.00	45.01 0.44 0.00	44.68 0.29 0.00	55.34 -0.03 0.00	61.98 0.50 0.00	61.88 0.97 0.00	52.78 0.82 0.00	52.70 1.03 0.00	51.20 1.12 0.00	44.51 0.94 0.00
ALCOA_RYNLDS___DRP 24188	49.84 1.35 0.00	41.59 0.98 0.00	41.36 0.92 0.00	30.03 0.56 0.00	29.66 0.47 0.00	35.75 0.64 0.00	53.86 1.09 0.00	56.75 1.15 0.00	59.89 1.03 0.00	64.60 1.01 0.00	55.58 0.93 0.00	56.25 0.83 0.00	76.66 0.96 0.00	65.43 0.72 0.00	57.00 0.56 0.00	45.01 0.44 0.00	44.68 0.29 0.00	55.34 -0.03 0.00	61.98 0.50 0.00	61.88 0.97 0.00	52.78 0.82 0.00	52.70 1.03 0.00	51.20 1.12 0.00	44.51 0.94 0.00
ALCOA___DSASP 323711	49.84 1.35 0.00	41.59 0.98 0.00	41.36 0.92 0.00	30.03 0.56 0.00	29.66 0.47 0.00	35.75 0.64 0.00	53.87 1.09 0.00	56.75 1.15 0.00	59.89 1.03 0.00	64.60 1.01 0.00	55.58 0.94 0.00	56.25 0.83 0.00	76.66 0.97 0.00	65.44 0.72 0.00	57.00 0.56 0.00	45.01 0.44 0.00	44.68 0.29 0.00	55.34 -0.03 0.00	61.98 0.50 0.00	61.88 0.97 0.00	52.77 0.82 0.00	52.70 1.03 0.00	51.20 1.12 0.00	44.51 0.94 0.00
ALLEGHENY___COGEN 23514	54.77 3.52 -2.76	44.21 2.20 -1.40	43.89 2.11 -1.34	31.10 1.25 -0.38	30.88 1.36 -0.33	37.80 2.12 -0.58	59.99 3.64 -3.57	63.59 3.90 -4.09	66.24 3.52 -3.86	70.72 3.44 -3.68	60.00 2.14 -3.22	60.31 1.94 -2.95	82.78 2.89 -4.20	70.11 2.20 -3.20	61.10 1.99 -2.68	48.13 1.80 -1.76	48.00 1.86 -1.75	61.96 3.54 -3.05	69.40 4.23 -3.69	68.64 4.24 -3.49	58.44 3.63 -2.85	57.86 3.36 -2.82	56.03 3.23 -2.73	48.70 2.92 -2.20
ALTAMONT_115KV_TB 2 55880	48.03 -0.30 0.17	40.46 -0.06 0.09	40.00 -0.03 0.41	29.54 0.07 0.00	29.26 0.09 0.02	35.03 0.02 0.09	52.48 -0.15 0.14	55.44 -0.16 0.00	58.81 -0.05 0.00	63.54 -0.05 0.00	54.52 -0.13 0.00	54.68 -0.08 0.66	74.84 -0.06 0.80	64.72 0.09 0.09	56.47 0.03 0.00	44.58 0.02 0.00	44.46 0.07 0.00	55.67 0.30 0.00	61.46 -0.03 0.00	60.74 -0.17 0.00	51.85 -0.11 0.00	51.58 -0.09 0.00	49.57 -0.13 0.38	42.76 -0.11 0.70
ALTONA_WT_PWR 323606	50.44 1.95 0.00	42.17 1.56 0.00	41.91 1.47 0.00	30.51 1.04 0.00	29.98 0.78 0.00	35.96 0.85 0.00	53.13 0.35 0.00	55.19 -0.41 0.00	58.21 -0.65 0.00	62.64 -0.95 0.00	53.67 -0.97 0.00	54.17 -1.25 0.00	74.18 -1.51 0.00	63.53 -1.19 0.00	55.18 -1.26 0.00	43.52 -1.04 0.00	43.30 -1.09 0.00	53.80 -1.57 0.00	59.86 -1.63 0.00	59.20 -1.72 0.00	50.72 -1.23 0.00	52.04 0.37 0.00	51.62 1.54 0.00	44.90 1.33 0.00
AMERICAN_REF_FUEL 24010	52.00 1.09 -2.41	41.82 -0.01 -1.22	41.61 -0.01 -1.17	29.33 -0.47 -0.33	29.04 -0.44 -0.29	35.71 0.09 -0.51	55.30 -0.59 -3.12	58.18 -0.92 -3.50	60.86 -1.30 -3.30	65.47 -1.26 -3.15	57.14 -0.25 -2.76	57.49 -0.48 -2.54	78.80 -0.52 -3.62	66.25 -1.22 -2.76	57.71 -1.04 -2.31	45.49 -0.59 -1.52	44.77 -1.12 -1.50	56.52 -1.46 -2.61	62.76 -1.88 -3.15	62.13 -1.76 -2.98	53.11 -1.28 -2.44	53.05 -1.04 -2.41	51.72 -0.69 -2.33	45.76 0.31 -1.88
ARKWRIGHT___SUMMIT_WT_PWR 323751	53.52 2.53 -2.50	42.97 1.10 -1.27	42.69 1.03 -1.22	30.15 0.33 -0.34	29.86 0.36 -0.30	36.55 0.92 -0.53	57.74 1.73 -3.23	60.92 1.68 -3.65	63.58 1.28 -3.43	68.49 1.61 -3.28	59.69 2.18 -2.87	60.17 2.12 -2.63	82.34 2.90 -3.75	69.14 1.57 -2.85	60.47 1.64 -2.40	47.62 1.48 -1.58	47.01 1.06 -1.56	59.60 1.52 -2.72	66.28 1.51 -3.28	65.20 1.19 -3.10	55.79 1.30 -2.54	55.51 1.32 -2.51	54.03 1.52 -2.43	47.22 1.69 -1.96
ARTHUR KILL_GT_1 23520	39.09 1.91 11.32	35.38 2.02 7.26	35.55 1.87 6.76	28.53 1.39 2.33	23.41 1.58 7.37	23.32 1.79 13.57	41.33 2.37 13.82	42.24 2.50 15.85	31.74 3.12 30.24	34.70 3.47 32.37	26.79 2.91 30.77	38.96 3.17 19.64	45.88 4.10 33.92	48.80 3.74 19.66	35.14 3.32 24.62	40.37 2.55 6.75	40.72 2.60 6.27	42.40 3.25 16.23	42.38 3.14 22.25	38.95 3.01 24.97	42.61 2.47 11.82	41.52 2.38 12.53	42.24 2.31 10.15	37.76 1.79 7.60
ARTHUR_KILL_2 23512	38.96 1.79 11.32	35.26 1.91 7.26	35.42 1.73 6.76	28.48 1.34 2.33	23.34 1.52 7.37	23.21 1.68 13.57	41.18 2.22 13.82	42.05 2.31 15.85	31.58 2.96 30.24	34.51 3.30 32.37	26.61 2.74 30.77	38.76 2.98 19.64	45.73 3.96 33.92	48.60 3.55 19.66	35.04 3.22 24.62	40.30 2.48 6.75	40.63 2.52 6.27	42.34 3.19 16.23	42.27 3.04 22.25	39.02 3.08 24.97	42.70 2.57 11.82	41.46 2.32 12.53	42.23 2.30 10.15	37.67 1.70 7.60
ARTHUR_KILL_3 23513	40.26 0.85 9.08	34.49 1.13 7.25	34.62 0.94 6.76	28.02 0.87 2.33	22.72 0.89 7.36	26.67 1.06 9.50	46.18 1.38 7.98	48.83 1.47 8.24	54.15 1.76 6.47	33.15 1.92 32.37	25.48 1.59 30.76	38.12 1.84 19.14	45.70 2.63 32.62	47.54 2.47 19.65	37.79 2.07 20.71	39.41 1.58 6.74	40.08 1.66 5.97	41.61 2.45 16.21	41.83 2.60 22.25	43.00 1.98 19.89	42.22 1.45 11.18	40.46 1.32 12.52	42.72 1.33 8.69	41.58 1.29 3.28



ARTHUR_KILL_COGEN 323718	39.13 1.96 11.32	35.40 2.04 7.26	35.55 1.87 6.76	28.59 1.45 2.33	23.45 1.62 7.37	23.33 1.80 13.57	41.37 2.40 13.82	42.27 2.53 15.85	31.80 3.18 30.24	34.74 3.52 32.37	26.79 2.92 30.77	38.95 3.16 19.64	46.00 4.22 33.92	48.85 3.79 19.66	35.25 3.43 24.62	40.47 2.65 6.75	40.81 2.69 6.27	42.54 3.40 16.23	42.51 3.27 22.25	39.26 3.32 24.97	42.90 2.76 11.82	41.67 2.53 12.53	42.41 2.48 10.15	37.82 1.85 7.60
ASHOKAN____ 23654	48.83 0.33 0.00	41.03 0.42 0.00	41.06 0.62 0.00	29.76 0.29 0.00	29.54 0.35 0.00	35.51 0.40 0.00	53.35 0.57 0.00	56.29 0.69 0.00	59.82 0.96 0.00	64.71 1.12 0.00	55.54 0.90 0.00	56.80 1.38 0.00	77.70 2.01 0.00	66.07 1.36 0.00	57.48 1.04 0.00	45.47 0.90 0.00	45.43 1.04 0.00	56.91 1.53 0.00	62.91 1.43 0.00	62.15 1.24 0.00	52.98 1.02 0.00	52.51 0.84 0.00	50.85 0.77 0.00	44.33 0.76 0.00
ASTORIA_EAST_ENERGY_CC1 323581	50.21 1.38 -0.34	42.40 1.61 -0.18	42.62 1.33 -0.84	30.61 1.14 0.00	30.38 1.15 -0.04	36.66 1.36 -0.19	54.96 1.89 -0.29	57.67 2.03 -0.04	128.36 2.40 -67.10	68.03 2.27 -2.17	56.75 1.86 -0.25	59.73 2.06 -2.25	80.24 2.93 -1.62	67.66 2.77 -0.18	58.75 2.31 0.00	46.36 1.80 0.00	46.28 1.89 0.00	57.95 2.58 0.00	65.75 2.65 -1.61	63.47 2.56 0.00	54.15 2.20 0.00	53.45 1.67 -0.10	52.89 1.73 -1.08	46.52 1.52 -1.42
ASTORIA_EAST_ENERGY_CC2 323582	50.19 1.35 -0.34	42.36 1.57 -0.18	42.59 1.31 -0.84	30.59 1.12 0.00	30.36 1.13 -0.04	36.63 1.34 -0.19	54.94 1.86 -0.29	57.64 2.00 -0.04	128.32 2.36 -67.10	68.01 2.25 -2.17	56.72 1.83 -0.25	59.70 2.03 -2.25	80.21 2.90 -1.62	67.63 2.74 -0.18	58.70 2.27 0.00	46.35 1.78 0.00	46.26 1.87 0.00	57.93 2.55 0.00	65.72 2.63 -1.61	63.43 2.52 0.00	54.13 2.17 0.00	53.42 1.64 -0.10	52.87 1.71 -1.08	46.49 1.50 -1.42
ASTORIA_GT2_1 24094	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT2_2 24095	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT2_3 24096	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT2_4 24097	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT3_1 24098	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT3_2 24099	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT3_3 24100	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT3_4 24101	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT4_1 24102	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT4_2 24103	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT4_3 24104	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42



ASTORIA_GT4_4 24105	50.21 1.37 -0.34	42.39 1.60 -0.18	42.61 1.33 -0.84	30.58 1.11 0.00	30.34 1.11 -0.04	36.64 1.34 -0.19	54.95 1.88 -0.29	57.72 2.08 -0.04	128.46 2.50 -67.10	68.19 2.44 -2.17	56.78 1.89 -0.25	59.89 2.22 -2.25	80.21 2.90 -1.62	67.64 2.75 -0.18	58.69 2.26 0.00	46.32 1.76 0.00	46.25 1.86 0.00	57.90 2.53 0.00	65.73 2.64 -1.61	63.13 2.22 0.00	53.64 1.69 0.00	53.34 1.56 -0.10	52.77 1.61 -1.08	46.42 1.43 -1.42
ASTORIA_GT_1 23523	50.30 1.46 -0.34	42.46 1.67 -0.18	42.69 1.41 -0.84	30.64 1.17 0.00	30.39 1.16 -0.04	36.71 1.41 -0.19	55.06 1.99 -0.29	57.84 2.20 -0.04	128.60 2.64 -67.10	68.35 2.59 -2.17	56.92 2.02 -0.25	60.03 2.35 -2.25	80.40 3.09 -1.62	67.81 2.92 -0.18	58.85 2.41 0.00	46.44 1.87 0.00	46.36 1.97 0.00	58.03 2.66 0.00	65.90 2.80 -1.61	63.28 2.37 0.00	53.77 1.81 0.00	53.45 1.68 -0.10	52.89 1.73 -1.08	46.51 1.52 -1.42
ASTORIA_GT_10 24110	50.02 1.18 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.54 1.07 0.00	30.37 1.14 -0.04	36.61 1.31 -0.19	54.79 1.72 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.76 2.41 -1.76	56.62 1.98 0.00	59.01 2.24 -1.35	80.41 3.10 -1.62	67.77 2.88 -0.18	58.84 2.41 0.00	46.37 1.81 0.00	46.28 1.89 0.00	57.95 2.58 0.00	64.12 2.64 0.00	63.09 2.18 0.00	53.60 1.65 0.00	53.21 1.54 0.00	52.40 1.54 -0.78	46.38 1.38 -1.42
ASTORIA_GT_11 24225	50.02 1.18 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.54 1.07 0.00	30.37 1.14 -0.04	36.61 1.31 -0.19	54.79 1.72 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.76 2.41 -1.76	56.62 1.98 0.00	59.01 2.24 -1.35	80.41 3.10 -1.62	67.77 2.88 -0.18	58.84 2.41 0.00	46.37 1.81 0.00	46.28 1.89 0.00	57.95 2.58 0.00	64.12 2.64 0.00	63.09 2.18 0.00	53.60 1.65 0.00	53.21 1.54 0.00	52.40 1.54 -0.78	46.38 1.38 -1.42
ASTORIA_GT_12 24226	50.02 1.18 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.54 1.07 0.00	30.37 1.14 -0.04	36.61 1.31 -0.19	54.79 1.72 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.76 2.41 -1.76	56.62 1.98 0.00	59.01 2.24 -1.35	80.41 3.10 -1.62	67.77 2.88 -0.18	58.84 2.41 0.00	46.37 1.81 0.00	46.28 1.89 0.00	57.95 2.58 0.00	64.12 2.64 0.00	63.09 2.18 0.00	53.60 1.65 0.00	53.21 1.54 0.00	52.40 1.54 -0.78	46.38 1.38 -1.42
ASTORIA_GT_13 24227	50.02 1.18 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.54 1.07 0.00	30.37 1.14 -0.04	36.61 1.31 -0.19	54.79 1.72 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.76 2.41 -1.76	56.62 1.98 0.00	59.01 2.24 -1.35	80.41 3.10 -1.62	67.77 2.88 -0.18	58.84 2.41 0.00	46.37 1.81 0.00	46.28 1.89 0.00	57.95 2.58 0.00	64.12 2.64 0.00	63.09 2.18 0.00	53.60 1.65 0.00	53.21 1.54 0.00	52.40 1.54 -0.78	46.38 1.38 -1.42
ASTORIA_GT_5 24106	50.30 1.46 -0.34	42.46 1.67 -0.18	42.69 1.41 -0.84	30.64 1.17 0.00	30.39 1.16 -0.04	36.71 1.41 -0.19	55.06 1.99 -0.29	57.84 2.20 -0.04	128.60 2.64 -67.10	68.35 2.59 -2.17	56.92 2.02 -0.25	60.03 2.35 -2.25	80.40 3.09 -1.62	67.81 2.92 -0.18	58.85 2.41 0.00	46.44 1.87 0.00	46.36 1.97 0.00	58.03 2.66 0.00	65.90 2.80 -1.61	63.28 2.37 0.00	53.77 1.81 0.00	53.45 1.68 -0.10	52.89 1.73 -1.08	46.51 1.52 -1.42
ASTORIA_GT_7 24107	50.30 1.46 -0.34	42.46 1.67 -0.18	42.69 1.41 -0.84	30.64 1.17 0.00	30.39 1.16 -0.04	36.71 1.41 -0.19	55.06 1.99 -0.29	57.84 2.20 -0.04	128.60 2.64 -67.10	68.35 2.59 -2.17	56.92 2.02 -0.25	60.03 2.35 -2.25	80.40 3.09 -1.62	67.81 2.92 -0.18	58.85 2.41 0.00	46.44 1.87 0.00	46.36 1.97 0.00	58.03 2.66 0.00	65.90 2.80 -1.61	63.28 2.37 0.00	53.77 1.81 0.00	53.45 1.68 -0.10	52.89 1.73 -1.08	46.51 1.52 -1.42
ASTORIA_GT_8 24108	50.30 1.46 -0.34	42.46 1.67 -0.18	42.69 1.41 -0.84	30.64 1.17 0.00	30.39 1.16 -0.04	36.71 1.41 -0.19	55.06 1.99 -0.29	57.84 2.20 -0.04	128.60 2.64 -67.10	68.35 2.59 -2.17	56.92 2.02 -0.25	60.03 2.35 -2.25	80.40 3.09 -1.62	67.81 2.92 -0.18	58.85 2.41 0.00	46.44 1.87 0.00	46.36 1.97 0.00	58.03 2.66 0.00	65.90 2.80 -1.61	63.28 2.37 0.00	53.77 1.81 0.00	53.45 1.68 -0.10	52.89 1.73 -1.08	46.51 1.52 -1.42
ASTORIA___2 24149	50.21 1.38 -0.34	42.40 1.61 -0.18	42.62 1.33 -0.84	30.61 1.14 0.00	30.38 1.15 -0.04	36.66 1.36 -0.19	54.96 1.89 -0.29	57.67 2.03 -0.04	128.36 2.40 -67.10	68.03 2.27 -2.17	56.75 1.86 -0.25	59.73 2.06 -2.25	80.24 2.93 -1.62	67.66 2.77 -0.18	58.75 2.31 0.00	46.36 1.80 0.00	46.28 1.89 0.00	57.95 2.58 0.00	65.75 2.65 -1.61	63.47 2.56 0.00	54.15 2.20 0.00	53.45 1.67 -0.10	52.89 1.73 -1.08	46.52 1.52 -1.42
ASTORIA___3 23516	50.04 1.20 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.55 1.08 0.00	30.39 1.16 -0.04	36.62 1.31 -0.19	54.81 1.74 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.72 2.38 -1.76	56.62 1.98 0.00	58.97 2.20 -1.35	80.45 3.14 -1.62	67.79 2.89 -0.18	58.87 2.44 0.00	46.41 1.85 0.00	46.30 1.91 0.00	58.01 2.63 0.00	64.17 2.69 0.00	63.27 2.36 0.00	53.81 1.86 0.00	53.28 1.61 0.00	52.48 1.62 -0.78	46.42 1.43 -1.42
ASTORIA___4 23517	50.02 1.18 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.54 1.07 0.00	30.37 1.14 -0.04	36.61 1.31 -0.19	54.79 1.72 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.76 2.41 -1.76	56.62 1.98 0.00	59.01 2.24 -1.35	80.41 3.10 -1.62	67.77 2.88 -0.18	58.84 2.41 0.00	46.37 1.81 0.00	46.28 1.89 0.00	57.95 2.58 0.00	64.12 2.64 0.00	63.09 2.18 0.00	53.60 1.65 0.00	53.21 1.54 0.00	52.40 1.54 -0.78	46.38 1.38 -1.42
ASTORIA___5 23518	50.04 1.20 -0.34	42.22 1.43 -0.18	42.51 1.23 -0.84	30.55 1.08 0.00	30.39 1.16 -0.04	36.62 1.31 -0.19	54.81 1.74 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.72 2.38 -1.76	56.61 1.97 0.00	58.97 2.20 -1.35	80.44 3.13 -1.62	67.79 2.89 -0.18	58.87 2.44 0.00	46.41 1.85 0.00	46.30 1.91 0.00	58.01 2.63 0.00	64.17 2.69 0.00	63.26 2.35 0.00	53.81 1.86 0.00	53.28 1.61 0.00	52.47 1.61 -0.78	46.42 1.43 -1.42
AST_ENERGY_2_CC3 323677	34.76 0.84 14.57	28.18 1.17 13.60	27.62 0.90 13.73	24.61 0.83 5.69	24.61 0.84 5.42	24.61 0.98 11.48	38.86 1.33 15.25	43.77 1.43 13.26	82.90 1.78 -22.26	53.85 1.61 11.35	44.22 1.27 11.69	38.15 1.46 18.73	69.74 2.14 8.08	56.64 2.09 10.17	40.82 1.70 17.31	34.77 1.33 11.13	33.13 1.42 12.69	40.13 2.00 17.24	38.29 2.01 25.20	39.19 1.91 23.63	38.07 1.65 15.53	41.57 1.13 11.23	42.21 1.20 9.07	36.14 1.05 8.47
AST_ENERGY_2_CC4 323678	34.76 0.84 14.57	28.18 1.17 13.60	27.62 0.90 13.73	24.61 0.83 5.69	24.61 0.84 5.42	24.61 0.98 11.48	38.86 1.33 15.25	43.77 1.43 13.26	82.90 1.78 -22.26	53.85 1.61 11.35	44.22 1.27 11.69	38.15 1.46 18.73	69.74 2.14 8.08	56.64 2.09 10.17	40.82 1.70 17.31	34.77 1.33 11.13	33.13 1.42 12.69	40.13 2.00 17.24	38.29 2.01 25.20	39.19 1.91 23.63	38.07 1.65 15.53	41.57 1.13 11.23	42.21 1.20 9.07	36.14 1.05 8.47



ATHENS_STG_1 23668	48.57 -0.07 -0.14	40.90 0.22 -0.07	41.04 0.25 -0.35	29.77 0.30 0.00	29.52 0.31 -0.01	35.43 0.24 -0.08	53.08 0.18 -0.12	55.77 0.17 0.00	59.17 0.31 0.00	63.96 0.37 0.00	54.86 0.22 0.00	56.29 0.31 -0.55	76.87 0.51 -0.67	65.40 0.61 -0.07	56.89 0.45 0.00	44.91 0.35 0.00	44.80 0.41 0.00	56.13 0.75 0.00	61.93 0.45 0.00	61.12 0.21 0.00	52.16 0.20 0.00	51.89 0.21 0.00	50.60 0.19 -0.32	44.34 0.19 -0.59
ATHENS_STG_2 23670	48.57 -0.07 -0.14	40.90 0.22 -0.07	41.04 0.25 -0.35	29.77 0.30 0.00	29.52 0.31 -0.01	35.43 0.24 -0.08	53.08 0.18 -0.12	55.77 0.17 0.00	59.17 0.31 0.00	63.96 0.37 0.00	54.86 0.22 0.00	56.29 0.31 -0.55	76.87 0.51 -0.67	65.40 0.61 -0.07	56.89 0.45 0.00	44.91 0.35 0.00	44.80 0.41 0.00	56.13 0.75 0.00	61.93 0.45 0.00	61.12 0.21 0.00	52.16 0.20 0.00	51.89 0.21 0.00	50.60 0.19 -0.32	44.34 0.19 -0.59
ATHENS_STG_3 23677	48.57 -0.07 -0.14	40.90 0.22 -0.07	41.04 0.25 -0.35	29.77 0.30 0.00	29.52 0.31 -0.01	35.43 0.24 -0.08	53.08 0.18 -0.12	55.77 0.17 0.00	59.17 0.31 0.00	63.96 0.37 0.00	54.86 0.22 0.00	56.29 0.31 -0.55	76.87 0.51 -0.67	65.40 0.61 -0.07	56.89 0.45 0.00	44.91 0.35 0.00	44.80 0.41 0.00	56.13 0.75 0.00	61.93 0.45 0.00	61.12 0.21 0.00	52.16 0.20 0.00	51.89 0.21 0.00	50.60 0.19 -0.32	44.34 0.19 -0.59
AUBURN___LFGE 323710	54.45 0.58 -5.38	43.60 0.26 -2.73	43.30 0.25 -2.61	30.36 0.14 -0.75	30.12 0.28 -0.64	36.76 0.52 -1.13	60.57 0.79 -7.00	64.96 0.80 -8.57	67.74 0.82 -8.05	72.30 0.99 -7.72	61.94 0.66 -6.64	61.89 0.58 -5.89	84.63 0.54 -8.40	71.43 0.32 -6.39	62.43 0.64 -5.36	48.81 0.64 -3.61	48.50 0.43 -3.67	62.87 1.08 -6.41	70.44 1.20 -7.76	69.27 1.02 -7.33	58.91 0.95 -6.00	58.46 0.86 -5.93	56.58 0.77 -5.73	48.86 0.66 -4.63
BABYLON_RES_REC 323704	48.93 0.49 0.06	42.06 1.27 -0.18	42.71 1.42 -0.84	30.59 1.12 0.00	30.24 1.01 -0.04	36.61 1.31 -0.19	54.25 1.18 -0.29	55.26 0.66 1.01	55.30 0.62 4.18	56.02 0.59 8.16	51.91 0.41 3.14	50.13 0.56 5.86	67.77 1.05 8.97	55.84 1.25 10.13	51.00 0.90 6.35	50.71 0.76 -5.38	51.35 0.88 -6.07	53.99 1.36 2.75	78.39 1.30 -15.61	56.95 0.85 4.82	54.96 0.88 -2.13	39.26 1.12 13.53	49.86 1.16 1.39	46.62 1.62 -1.43
BALL_HILL_WT_PWR 323825	52.93 1.96 -2.48	42.53 0.66 -1.26	42.28 0.63 -1.21	29.86 0.04 -0.34	29.58 0.09 -0.30	36.26 0.62 -0.52	56.96 0.97 -3.21	59.91 0.71 -3.60	62.60 0.35 -3.39	67.38 0.55 -3.24	58.68 1.20 -2.83	59.14 1.12 -2.60	80.95 1.55 -3.71	68.01 0.48 -2.82	59.39 0.58 -2.37	46.76 0.64 -1.55	46.14 0.21 -1.54	58.55 0.49 -2.68	65.13 0.40 -3.24	64.14 0.16 -3.07	54.87 0.41 -2.51	54.66 0.51 -2.48	53.23 0.75 -2.40	46.65 1.15 -1.94
BARON_WINDS___WT_PWR 323822	52.67 1.25 -2.93	42.51 0.42 -1.49	42.25 0.38 -1.42	29.92 0.05 -0.40	29.68 0.14 -0.35	36.18 0.46 -0.61	57.53 0.96 -3.80	60.94 0.86 -4.48	63.46 0.38 -4.23	68.10 0.47 -4.04	58.36 0.21 -3.51	58.73 0.14 -3.17	80.60 0.39 -4.52	67.92 -0.24 -3.44	59.25 -0.07 -2.88	46.65 0.17 -1.91	46.22 -0.08 -1.92	59.21 0.50 -3.34	65.99 0.47 -4.04	64.77 0.04 -3.82	55.30 0.22 -3.13	54.85 0.08 -3.09	53.33 0.26 -2.99	46.54 0.56 -2.41
BARRETT_IC_1 23704	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT_IC_10 23701	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.48 1.17 -0.20	54.08 1.00 -0.30	54.11 0.57 2.06	49.58 0.74 10.02	50.11 0.89 14.37	53.37 0.74 2.01	23.45 0.83 32.80	74.40 1.34 2.63	71.58 1.48 -5.38	66.01 1.12 -8.45	67.75 0.99 -22.20	68.13 1.15 -22.59	85.24 1.72 -28.14	84.41 1.68 -21.24	95.66 1.23 -33.52	84.87 0.91 -32.01	76.75 0.73 -24.34	47.00 0.90 3.99	82.23 1.44 -37.22
BARRETT_IC_11 23702	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.48 1.17 -0.20	54.08 1.00 -0.30	54.11 0.57 2.06	49.58 0.74 10.02	50.11 0.89 14.37	53.37 0.74 2.01	23.45 0.83 32.80	74.40 1.34 2.63	71.58 1.48 -5.38	66.01 1.12 -8.45	67.75 0.99 -22.20	68.13 1.15 -22.59	85.24 1.72 -28.14	84.41 1.68 -21.24	95.66 1.23 -33.52	84.87 0.91 -32.01	76.75 0.73 -24.34	47.00 0.90 3.99	82.23 1.44 -37.22
BARRETT_IC_12 23703	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.48 1.17 -0.20	54.08 1.00 -0.30	54.11 0.57 2.06	49.58 0.74 10.02	50.11 0.89 14.37	53.37 0.74 2.01	23.45 0.83 32.80	74.40 1.34 2.63	71.58 1.48 -5.38	66.01 1.12 -8.45	67.75 0.99 -22.20	68.13 1.15 -22.59	85.24 1.72 -28.14	84.41 1.68 -21.24	95.66 1.23 -33.52	84.87 0.91 -32.01	76.75 0.73 -24.34	47.00 0.90 3.99	82.23 1.44 -37.22
BARRETT_IC_2 23705	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT_IC_3 23706	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT_IC_4 23707	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT_IC_5 23708	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75



BARRETT_IC_6 23709	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT_IC_7 23710	49.18 0.37 -0.32	42.03 1.22 -0.20	49.33 1.29 -7.60	30.59 1.04 -0.09	30.17 0.94 -0.04	36.50 1.17 -0.21	54.10 1.02 -0.31	56.50 0.58 -0.32	70.51 0.76 -10.88	84.50 0.92 -19.98	86.17 0.73 -30.80	93.14 0.91 -36.81	89.72 1.36 -12.67	113.56 1.46 -47.38	106.21 1.12 -48.65	106.94 0.99 -61.40	108.01 1.16 -62.46	165.78 1.74 -108.67	368.34 1.77 -305.08	196.21 1.24 -134.06	160.46 0.91 -107.60	136.67 0.75 -84.25	86.31 0.91 -35.31	165.75 1.43 -120.75
BARRETT_IC_8 23711	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.25 1.68 -305.08	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT_IC_9 23700	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.48 1.17 -0.20	54.08 1.00 -0.30	54.11 0.57 2.06	49.58 0.74 10.02	50.11 0.89 14.37	53.37 0.74 2.01	23.45 0.83 32.80	74.40 1.34 2.63	71.58 1.48 -5.38	66.01 1.12 -8.45	67.75 0.99 -22.20	68.13 1.15 -22.59	85.24 1.72 -28.14	84.41 1.68 -21.24	95.66 1.23 -33.52	84.87 0.91 -32.01	76.75 0.73 -24.34	47.00 0.90 3.99	82.23 1.44 -37.22
BARRETT___1 23545	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.49 1.17 -0.21	54.09 1.00 -0.31	56.49 0.57 -0.32	70.49 0.74 -10.88	84.46 0.89 -19.98	86.18 0.74 -30.80	93.06 0.83 -36.81	89.71 1.34 -12.67	113.58 1.48 -47.38	106.20 1.12 -48.65	106.95 0.99 -61.40	108.00 1.15 -62.46	165.76 1.72 -108.67	368.37 1.68 -305.20	196.20 1.23 -134.06	160.46 0.91 -107.60	136.66 0.73 -84.25	86.30 0.90 -35.31	165.76 1.44 -120.75
BARRETT___2 23546	49.18 0.37 -0.32	42.03 1.22 -0.20	49.27 1.23 -7.60	30.51 0.96 -0.09	30.17 0.94 -0.04	36.48 1.17 -0.20	54.08 1.00 -0.30	54.11 0.57 2.06	49.58 0.74 10.02	50.11 0.89 14.37	53.37 0.74 2.01	23.45 0.83 32.80	74.40 1.34 2.63	71.58 1.48 -5.38	66.01 1.12 -8.45	67.75 0.99 -22.20	68.13 1.15 -22.59	85.24 1.72 -28.14	84.41 1.68 -21.24	95.66 1.23 -33.52	84.87 0.91 -32.01	76.75 0.73 -24.34	47.00 0.90 3.99	82.23 1.44 -37.22
BATAVIA___115KV_TB1 55881	53.73 2.84 -2.39	43.36 1.54 -1.21	43.10 1.50 -1.16	30.49 0.69 -0.33	30.21 0.74 -0.28	37.06 1.45 -0.50	57.87 2.00 -3.09	61.14 2.14 -3.40	63.93 1.86 -3.21	68.68 2.02 -3.07	59.59 2.25 -2.69	60.13 2.20 -2.51	82.21 2.94 -3.57	69.07 1.64 -2.72	60.25 1.53 -2.28	47.45 1.40 -1.49	47.17 1.32 -1.46	59.68 1.77 -2.54	66.71 2.16 -3.07	66.11 2.31 -2.90	56.35 2.02 -2.37	55.99 1.97 -2.34	54.33 1.98 -2.26	47.62 2.22 -1.83
BAYONEEC___CTG1 323682	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG10 323750	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG2 323683	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG3 323684	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG4 323685	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG5 323686	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG6 323687	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG7 323688	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90



BAYONEEC___CTG8 323689	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BAYONEEC___CTG9 323749	50.61 1.16 -0.96	42.57 1.40 -0.57	42.86 1.19 -1.22	30.66 1.05 -0.15	30.70 1.09 -0.42	37.28 1.28 -0.90	55.38 1.68 -0.92	58.19 1.76 -0.83	152.82 2.12 -91.83	70.00 2.33 -4.08	58.22 1.97 -1.61	60.07 2.20 -2.44	81.03 3.14 -2.20	68.23 2.90 -0.62	60.15 2.43 -1.29	46.80 1.88 -0.35	46.67 1.96 -0.33	58.15 2.74 -0.04	64.44 2.86 -0.09	63.91 2.35 -0.65	54.25 1.79 -0.51	53.85 1.66 -0.52	52.88 1.64 -1.16	46.99 1.53 -1.90
BEACON___LESR 323632	47.67 -0.55 0.28	40.19 -0.27 0.15	39.47 -0.30 0.67	29.34 -0.12 0.00	29.07 -0.09 0.03	34.82 -0.13 0.15	52.11 -0.44 0.23	55.18 -0.42 0.00	58.59 -0.27 0.00	63.29 -0.30 0.00	54.36 -0.29 1.08	54.03 -0.31 1.30	74.09 -0.31 1.30	64.64 0.07 0.14	56.46 0.02 0.00	44.42 -0.14 0.00	44.31 -0.08 0.00	55.61 0.24 0.00	61.46 -0.02 0.00	60.60 -0.31 0.00	51.75 -0.21 0.00	51.39 -0.28 0.00	49.16 -0.30 0.63	42.02 -0.41 1.14
BEAVER RIVER___HYD 24048	53.18 2.49 -2.19	43.60 1.88 -1.11	43.32 1.81 -1.07	31.07 1.30 -0.30	30.75 1.30 -0.26	37.28 1.71 -0.46	58.62 2.99 -2.85	62.06 3.05 -3.42	64.74 2.67 -3.20	68.95 2.27 -3.09	58.92 1.61 -2.67	58.98 1.18 -2.38	80.45 1.36 -3.40	68.35 1.05 -2.58	59.63 1.02 -2.17	46.81 0.79 -1.45	46.88 1.01 -1.47	59.82 1.84 -2.60	67.36 2.72 -3.16	67.07 3.17 -2.99	56.84 2.44 -2.45	56.54 2.46 -2.42	54.40 1.98 -2.34	46.87 1.42 -1.89
BEEBEE_GT_13 23619	52.03 1.23 -2.31	42.29 0.51 -1.17	42.05 0.48 -1.12	29.92 0.13 -0.32	29.64 0.17 -0.27	36.13 0.53 -0.49	56.68 0.92 -2.97	59.72 0.92 -3.20	62.65 0.77 -3.01	67.37 0.90 -2.88	58.45 1.26 -2.54	59.02 1.20 -2.39	80.67 1.57 -3.41	68.33 1.02 -2.60	59.60 0.98 -2.18	46.86 0.89 -1.41	46.55 0.79 -1.37	59.00 1.25 -2.38	65.58 1.21 -2.88	64.82 1.18 -2.72	55.21 1.02 -2.23	54.86 0.98 -2.21	53.15 0.94 -2.13	46.31 1.02 -1.72
BENSHRST_27_KV_BENSHRST_1 355998	51.31 1.88 -0.94	42.96 1.93 -0.42	43.09 1.75 -0.90	30.99 1.37 -0.15	31.12 1.51 -0.41	37.34 1.72 -0.51	56.06 2.49 -0.79	59.10 2.68 -0.82	153.76 3.13 -91.77	71.05 3.40 -4.06	59.09 2.85 -1.59	60.98 3.13 -2.43	81.77 4.11 -1.97	69.08 3.75 -0.61	61.02 3.31 -1.27	47.44 2.53 -0.35	47.31 2.58 -0.33	58.81 3.40 -0.04	65.02 3.54 0.00	64.71 3.15 -0.65	54.95 2.48 -0.52	54.53 2.34 -0.51	53.55 2.31 -1.16	47.42 1.96 -1.90
BETHLEHEM___GRP 23843	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.40 -1.16 0.22	54.38 -1.22 0.00	57.77 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.05 -1.42 1.22	63.55 -1.03 0.13	55.48 -0.95 0.00	43.80 -0.76 0.00	43.69 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.27 0.00	50.91 -1.04 0.00	50.65 -1.03 0.00	48.42 -1.07 0.59	41.56 -0.94 1.08
BETHLEHEM___GS1 323560	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.41 -1.15 0.22	54.38 -1.22 0.00	57.78 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.04 -1.42 1.22	63.55 -1.03 0.13	55.49 -0.95 0.00	43.80 -0.76 0.00	43.70 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.26 0.00	50.91 -1.05 0.00	50.64 -1.03 0.00	48.42 -1.08 0.59	41.56 -0.94 1.08
BETHLEHEM___GS2 323561	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.41 -1.15 0.22	54.38 -1.22 0.00	57.78 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.04 -1.42 1.22	63.55 -1.03 0.13	55.49 -0.95 0.00	43.80 -0.76 0.00	43.70 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.26 0.00	50.91 -1.05 0.00	50.64 -1.03 0.00	48.42 -1.08 0.59	41.56 -0.94 1.08
BETHLEHEM___GS3 323562	47.05 -1.18 0.26	39.70 -0.77 0.14	39.02 -0.79 0.63	29.02 -0.45 0.00	28.74 -0.42 0.03	34.40 -0.57 0.14	51.41 -1.15 0.22	54.38 -1.22 0.00	57.78 -1.09 0.00	62.39 -1.20 0.00	53.51 -1.13 0.00	53.29 -1.12 1.02	73.04 -1.42 1.22	63.55 -1.03 0.13	55.49 -0.95 0.00	43.80 -0.76 0.00	43.70 -0.70 0.00	54.70 -0.67 0.00	60.36 -1.12 0.00	59.65 -1.26 0.00	50.91 -1.05 0.00	50.64 -1.03 0.00	48.42 -1.08 0.59	41.56 -0.94 1.08
BETHLEHEM___STEEL 23779	53.02 2.05 -2.47	42.61 0.75 -1.25	42.38 0.73 -1.20	29.91 0.10 -0.34	29.62 0.13 -0.29	36.33 0.70 -0.52	56.91 0.93 -3.19	59.95 0.75 -3.61	62.71 0.45 -3.40	67.48 0.64 -3.24	58.79 1.31 -2.84	59.20 1.17 -2.61	81.08 1.67 -3.72	68.21 0.66 -2.83	59.49 0.68 -2.38	46.80 0.68 -1.56	46.16 0.23 -1.54	58.45 0.39 -2.69	64.95 0.22 -3.25	64.15 0.22 -3.07	54.84 0.37 -2.51	54.64 0.48 -2.49	53.19 0.71 -2.40	46.73 1.22 -1.94
BETHLHEM_115KV_TB1 79974	47.24 -1.01 0.24	39.85 -0.63 0.13	39.21 -0.64 0.60	29.12 -0.35 0.00	28.84 -0.32 0.03	34.51 -0.46 0.14	51.59 -0.98 0.21	54.60 -1.00 0.00	57.97 -0.89 0.00	62.62 -0.97 0.00	53.71 -0.94 0.00	53.56 -0.90 0.96	73.38 -1.16 1.15	63.79 -0.79 0.13	55.68 -0.75 0.00	43.96 -0.60 0.00	43.85 -0.55 0.00	54.89 -0.48 0.00	60.58 -0.91 0.00	59.87 -1.04 0.00	51.09 -0.86 0.00	50.83 -0.85 0.00	48.64 -0.88 0.55	41.78 -0.77 1.01
BETHPAGE_CC_5 323564	48.79 0.31 0.02	41.88 1.08 -0.18	42.77 1.26 -1.06	30.47 1.00 0.00	30.13 0.90 -0.04	36.41 1.11 -0.19	53.93 0.86 -0.29	55.13 0.45 0.91	56.53 0.76 3.09	57.51 0.88 6.96	53.53 0.77 1.89	52.14 0.89 4.18	69.53 1.51 7.66	58.86 1.64 7.50	53.66 1.23 4.01	52.75 1.04 -7.15	53.40 1.19 -7.82	58.62 1.77 -1.48	88.41 1.81 -25.12	62.80 1.36 -0.53	58.85 1.02 -5.88	42.79 0.87 9.75	50.67 0.95 0.37	49.33 1.45 -4.32
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	53.15 2.18 -2.48	42.72 0.85 -1.26	42.48 0.83 -1.21	29.99 0.18 -0.34	29.70 0.21 -0.30	36.43 0.80 -0.52	57.12 1.13 -3.21	60.21 0.98 -3.63	63.00 0.72 -3.42	67.79 0.93 -3.26	59.06 1.56 -2.85	59.54 1.49 -2.62	81.48 2.05 -3.74	68.55 0.99 -2.84	59.79 0.97 -2.39	47.07 0.94 -1.57	46.43 0.49 -1.55	58.81 0.73 -2.70	65.34 0.59 -3.27	64.50 0.50 -3.09	55.12 0.63 -2.53	54.90 0.72 -2.50	53.40 0.91 -2.42	46.87 1.35 -1.95
BINGHAMTON___COGEN 23790	51.96 0.45 -3.01	42.31 0.17 -1.53	42.11 0.20 -1.47	29.97 0.09 -0.42	29.68 0.13 -0.36	35.95 0.21 -0.63	57.23 0.54 -3.91	60.73 0.45 -4.69	63.61 0.32 -4.42	68.19 0.41 -4.19	58.66 0.40 -3.62	59.15 0.47 -3.26	80.98 0.63 -4.66	68.49 0.23 -3.54	59.72 0.31 -2.98	46.89 0.34 -1.99	46.70 0.30 -2.00	59.55 0.68 -3.49	66.26 0.55 -4.23	65.14 0.24 -4.00	55.60 0.38 -3.27	55.18 0.27 -3.23	53.49 0.29 -3.12	46.39 0.29 -2.53



BIXINCNT_115KV_LOAD 355685	53.21 2.21 -2.51	42.81 0.93 -1.27	42.59 0.93 -1.22	30.13 0.31 -0.35	29.86 0.37 -0.30	36.55 0.92 -0.53	57.52 1.50 -3.25	60.78 1.50 -3.68	63.57 1.24 -3.47	68.33 1.42 -3.31	59.38 1.84 -2.89	60.07 1.99 -2.66	81.89 2.41 -3.78	68.78 1.18 -2.88	59.99 1.14 -2.42	47.22 1.07 -1.59	46.60 0.63 -1.58	59.12 1.00 -2.74	65.58 0.77 -3.32	64.50 0.45 -3.14	55.17 0.65 -2.57	55.00 0.79 -2.54	53.47 0.94 -2.45	46.94 1.39 -1.98
BLACK RIVER___HYD 24047	55.10 3.09 -3.52	44.72 2.32 -1.79	44.39 2.24 -1.71	31.56 1.60 -0.49	31.23 1.62 -0.42	37.97 2.12 -0.74	61.06 3.71 -4.57	64.85 3.76 -5.49	67.23 3.23 -5.15	71.34 2.79 -4.95	60.88 1.97 -4.28	60.53 1.28 -3.82	82.50 1.36 -5.45	69.75 0.89 -4.15	61.05 1.14 -3.48	47.75 0.85 -2.33	48.08 1.33 -2.36	62.09 2.58 -4.14	70.27 3.77 -5.02	70.04 4.39 -4.74	59.21 3.37 -3.88	58.94 3.43 -3.84	56.54 2.75 -3.70	48.57 2.00 -3.00
BLACKRVR_115KV_TB2 79977	55.10 3.09 -3.52	44.72 2.32 -1.79	44.40 2.24 -1.71	31.56 1.60 -0.49	31.24 1.62 -0.42	37.97 2.12 -0.74	61.06 3.71 -4.57	64.85 3.76 -5.49	67.23 3.23 -5.15	71.34 2.79 -4.95	60.88 1.97 -4.28	60.53 1.28 -3.82	82.50 1.36 -5.45	69.75 0.89 -4.15	61.06 1.14 -3.48	47.75 0.85 -2.33	48.08 1.33 -2.36	62.08 2.57 -4.14	70.27 3.76 -5.02	70.04 4.39 -4.74	59.21 3.37 -3.88	58.94 3.43 -3.84	56.54 2.75 -3.70	48.56 2.00 -3.00
BLDWN_LI_69_KV_BK4 356085	49.38 0.76 -0.12	42.23 1.44 -0.19	44.75 1.54 -2.77	30.72 1.23 -0.02	30.32 1.09 -0.04	36.67 1.37 -0.20	54.32 1.25 -0.30	56.09 0.96 0.46	62.34 1.35 -2.13	66.00 1.44 -0.97	63.14 1.18 -7.31	64.37 1.38 -7.57	77.27 2.12 0.55	76.26 2.14 -9.41	69.74 1.54 -11.77	67.51 1.23 -21.72	68.20 1.37 -22.44	89.64 2.07 -32.19	164.98 2.32 -101.18	101.82 1.92 -38.98	87.79 1.47 -34.36	70.22 1.41 -17.14	60.38 1.49 -8.81	78.74 1.83 -33.34
BLISS_WT_PWR 323608	53.23 2.22 -2.51	42.82 0.94 -1.27	42.61 0.95 -1.22	30.15 0.33 -0.35	29.87 0.38 -0.30	36.56 0.93 -0.53	57.53 1.51 -3.25	60.80 1.52 -3.68	63.63 1.29 -3.47	68.41 1.51 -3.31	59.42 1.88 -2.89	60.13 2.05 -2.66	81.98 2.50 -3.78	68.85 1.26 -2.88	60.03 1.17 -2.42	47.25 1.10 -1.59	46.62 0.65 -1.58	59.14 1.02 -2.74	65.58 0.77 -3.32	64.45 0.40 -3.14	55.15 0.63 -2.57	55.04 0.83 -2.54	53.47 0.94 -2.45	46.94 1.39 -1.98
BLUESTONE___WT_PWR 323821	53.29 2.20 -2.59	43.59 1.67 -1.32	43.41 1.70 -1.26	31.03 1.20 -0.36	30.75 1.25 -0.31	37.30 1.64 -0.54	59.00 2.85 -3.37	62.68 3.03 -4.05	65.64 2.97 -3.82	70.34 3.12 -3.62	60.33 2.55 -3.13	60.90 2.67 -2.81	83.28 3.58 -4.01	70.44 2.67 -3.05	61.27 2.27 -2.56	48.24 1.97 -1.71	48.07 1.96 -1.73	61.51 3.12 -3.02	68.48 3.34 -3.65	67.65 3.29 -3.45	57.58 2.80 -2.83	56.22 1.75 -2.79	53.71 0.93 -2.70	46.53 0.78 -2.18
BLUE_CIRC_CHEM_DRP 24182	46.95 -1.38 0.17	39.58 -0.94 0.09	39.14 -0.89 0.41	28.91 -0.56 0.00	28.64 -0.53 0.02	34.28 -0.73 0.09	51.28 -1.35 0.14	54.14 -1.45 0.00	57.41 -1.45 0.00	62.04 -1.55 0.00	53.21 -1.44 0.00	53.31 -1.45 0.66	72.96 -1.94 0.79	63.16 -1.47 0.09	55.10 -1.34 0.00	43.51 -1.05 0.00	43.41 -0.98 0.00	54.35 -1.02 0.00	59.98 -1.50 0.00	59.32 -1.59 0.00	50.66 -1.30 0.00	50.43 -1.25 0.00	48.41 -1.29 0.39	41.75 -1.11 0.71
BOC_GAS_DRP 24189	47.79 -0.55 0.16	40.28 -0.24 0.09	39.82 -0.22 0.40	29.40 -0.06 0.00	29.12 -0.05 0.02	34.86 -0.16 0.09	52.19 -0.46 0.14	55.12 -0.48 0.00	58.48 -0.38 0.00	63.20 -0.39 0.00	54.21 -0.44 0.00	54.39 -0.40 0.63	74.46 -0.47 0.76	64.38 -0.25 0.08	56.17 -0.27 0.00	44.34 -0.22 0.00	44.22 -0.17 0.00	55.34 -0.03 0.00	61.08 -0.40 0.00	60.37 -0.55 0.00	51.54 -0.41 0.00	51.29 -0.39 0.00	49.31 -0.41 0.37	42.56 -0.33 0.67
BOONVILLE_115KV_TB1 79983	51.48 1.71 -1.28	42.57 1.31 -0.65	42.36 1.29 -0.62	30.59 0.94 -0.18	30.31 0.96 -0.15	36.64 1.26 -0.27	56.59 2.16 -1.66	59.88 2.30 -1.98	62.86 2.15 -1.85	67.33 1.94 -1.80	57.69 1.50 -1.55	58.20 1.39 -1.39	79.57 1.90 -1.98	67.81 1.59 -1.50	59.12 1.42 -1.26	46.51 1.10 -0.85	46.58 1.33 -0.86	58.89 1.96 -1.55	65.78 2.39 -1.91	65.22 2.51 -1.80	55.40 1.97 -1.48	54.96 1.83 -1.46	52.98 1.49 -1.41	45.81 1.11 -1.14
BORALEX_4TH_BRANCH 23824	48.20 0.49 0.79	40.78 0.59 0.42	39.15 0.64 1.93	30.12 0.64 0.00	29.77 0.65 0.08	35.52 0.85 0.44	53.09 0.98 0.67	56.64 1.04 0.00	60.14 1.28 0.00	64.96 1.37 0.00	55.66 1.02 0.00	53.31 1.00 3.11	73.46 1.50 3.73	65.78 1.48 0.41	57.66 1.23 0.00	45.51 0.95 0.00	45.33 0.94 0.00	56.87 1.50 0.00	62.82 1.33 0.00	62.05 1.14 0.00	53.00 1.04 0.00	52.63 0.96 0.00	49.11 0.82 1.79	41.02 0.73 3.28
BOWLINE___1 23526	49.58 0.76 -0.32	41.73 0.95 -0.17	42.04 0.81 -0.79	30.19 0.72 0.00	29.97 0.74 -0.03	36.17 0.88 -0.18	54.27 1.22 -0.27	56.86 1.26 0.00	60.31 1.45 0.00	65.19 1.59 0.00	55.92 1.28 0.00	58.18 1.48 -1.27	79.45 2.23 -1.53	66.98 2.09 -0.17	58.11 1.67 0.00	45.88 1.32 0.00	45.81 1.42 0.00	57.52 2.15 0.00	63.78 2.30 0.00	62.71 1.80 0.00	53.29 1.33 0.00	52.90 1.23 0.00	52.03 1.21 -0.73	46.02 1.11 -1.34
BOWLINE___2 23595	49.56 0.74 -0.32	41.71 0.93 -0.17	42.03 0.79 -0.79	30.18 0.71 0.00	29.96 0.73 -0.03	36.16 0.87 -0.18	54.25 1.19 -0.27	56.84 1.24 0.00	60.29 1.43 0.00	65.17 1.57 0.00	55.89 1.25 0.00	58.17 1.48 -1.27	79.42 2.19 -1.53	66.97 2.08 -0.17	58.09 1.66 0.00	45.86 1.30 0.00	45.80 1.41 0.00	57.50 2.13 0.00	63.77 2.28 0.00	62.70 1.79 0.00	53.27 1.32 0.00	52.88 1.21 0.00	52.01 1.20 -0.73	46.01 1.10 -1.34
BRADY___115KV_TB2 356060	50.57 2.08 0.00	42.19 1.58 0.00	41.94 1.49 0.00	30.43 0.96 0.00	30.07 0.87 0.00	36.29 1.18 0.00	54.78 2.00 0.00	57.68 2.08 0.00	60.61 1.74 0.00	65.09 1.49 0.00	55.87 1.23 0.00	56.43 1.01 0.00	76.94 1.25 0.00	65.59 0.88 0.00	57.11 0.68 0.00	45.15 0.59 0.00	44.79 0.40 0.00	55.58 0.20 0.00	62.73 1.24 0.00	62.82 1.91 0.00	53.59 1.64 0.00	53.52 1.85 0.00	51.98 1.90 0.00	45.14 1.58 0.00
BRANSCOMB___SOLAR 323811	49.13 1.02 0.39	41.37 0.97 0.20	40.50 1.00 0.94	30.31 0.84 0.00	30.03 0.88 0.04	35.95 1.06 0.21	53.86 1.41 0.33	57.10 1.50 0.00	60.57 1.71 0.00	65.39 1.80 0.00	56.10 1.46 0.00	55.32 1.41 1.51	75.90 2.03 1.82	66.40 1.88 0.20	58.08 1.64 0.00	45.84 1.27 0.00	45.74 1.35 0.00	57.39 2.02 0.00	63.52 2.04 0.00	62.83 1.91 0.00	53.54 1.59 0.00	53.14 1.47 0.00	50.50 1.30 0.87	43.04 1.07 1.60
BRDGHMPT_69_KV_BK1 55812	48.50 0.11 0.11	41.86 1.08 -0.18	42.40 1.45 -0.50	30.80 1.33 0.00	30.50 1.27 -0.04	36.99 1.69 -0.19	54.80 1.73 -0.29	55.38 0.93 1.15	54.39 1.42 5.89	55.34 1.94 10.19	51.10 1.83 5.37	48.70 2.04 8.76	67.52 2.98 11.15	53.02 2.99 14.69	48.58 2.61 10.46	48.92 2.26 -2.10	49.55 2.37 -2.80	48.15 3.11 10.33	62.92 3.31 1.87	49.22 2.69 14.38	49.31 2.05 4.70	33.24 1.75 20.18	48.42 1.63 3.29	41.35 2.04 4.25



BRENTWOD_69_KV_W. BRTWOOD 56703	48.95 0.55 0.10	42.19 1.40 -0.18	42.59 1.59 -0.56	30.74 1.28 0.00	30.35 1.13 -0.04	36.75 1.45 -0.19	54.45 1.38 -0.29	55.21 0.73 1.13	54.28 1.03 5.61	54.98 1.26 9.87	50.71 1.09 5.02	48.47 1.35 8.30	66.86 1.93 10.76	52.67 1.86 13.91	48.15 1.49 9.77	48.52 1.36 -2.60	49.20 1.51 -3.30	48.38 2.11 9.10	64.53 2.19 -0.86	49.74 1.64 12.81	49.73 1.38 3.60	33.72 1.19 19.14	48.32 1.24 2.99	41.89 1.71 3.39
BRISTLHL_115KV_TB1 79998	51.65 -0.29 -3.44	42.00 -0.36 -1.74	41.74 -0.38 -1.67	29.64 -0.30 -0.48	29.33 -0.27 -0.41	35.60 -0.23 -0.72	57.08 -0.17 -4.47	60.81 -0.14 -5.35	63.75 -0.11 -5.01	68.16 -0.29 -4.86	58.62 -0.21 -4.19	58.92 -0.24 -3.74	80.56 -0.47 -5.33	68.26 -0.51 -4.06	59.47 -0.37 -3.40	46.62 -0.22 -2.28	46.55 -0.16 -2.32	59.45 0.05 -4.03	66.33 -0.02 -4.87	65.44 -0.07 -4.60	55.67 -0.06 -3.77	55.28 -0.12 -3.72	53.49 -0.19 -3.59	46.28 -0.19 -2.91
BROOKHAVEN___DRP 24191	48.11 -0.28 0.11	41.50 0.71 -0.18	41.88 0.94 -0.50	30.29 0.82 0.00	29.92 0.70 -0.04	36.24 0.94 -0.19	53.66 0.59 -0.29	54.28 -0.17 1.15	53.08 0.12 5.90	53.75 0.36 10.20	49.64 0.37 5.38	47.26 0.61 8.78	65.50 0.97 11.16	51.25 1.24 14.71	46.99 1.03 10.48	47.66 1.02 -2.08	48.33 1.15 -2.78	46.64 1.63 10.37	61.24 1.70 1.94	47.58 1.10 14.42	47.98 0.75 4.72	32.00 0.54 20.21	47.32 0.54 3.30	40.43 1.13 4.27
BROOKLYN_NAVY_YARD 23515	49.94 1.11 -0.34	42.12 1.33 -0.18	42.43 1.15 -0.84	30.47 1.01 0.00	30.27 1.05 -0.04	36.53 1.23 -0.19	54.70 1.63 -0.29	57.39 1.73 -0.06	147.18 2.03 -86.28	68.68 2.24 -2.85	56.78 1.85 -0.29	60.22 2.14 -2.66	80.38 3.07 -1.62	67.75 2.86 -0.18	58.83 2.39 0.00	46.41 1.85 0.00	46.32 1.93 0.00	58.06 2.69 0.00	66.60 2.77 -2.35	63.19 2.28 0.00	53.67 1.72 0.00	53.43 1.61 -0.15	52.90 1.60 -1.21	46.44 1.45 -1.42
BROOKLYN___ARMY_DRP 323595	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
BROOME_2_LFGE 323671	51.96 0.45 -3.01	42.31 0.17 -1.53	42.11 0.20 -1.47	29.97 0.08 -0.42	29.68 0.13 -0.36	35.95 0.21 -0.63	57.23 0.54 -3.91	60.75 0.46 -4.69	63.62 0.34 -4.42	68.20 0.42 -4.19	58.66 0.40 -3.62	59.15 0.47 -3.26	81.01 0.66 -4.66	68.49 0.23 -3.54	59.73 0.33 -2.98	46.88 0.34 -1.99	46.70 0.30 -2.00	59.55 0.69 -3.49	66.27 0.56 -4.23	65.16 0.25 -4.00	55.60 0.37 -3.27	55.19 0.28 -3.23	53.49 0.28 -3.12	46.38 0.29 -2.53
BROOME___LFGE 323600	51.96 0.45 -3.01	42.31 0.17 -1.53	42.11 0.20 -1.47	29.97 0.08 -0.42	29.68 0.13 -0.36	35.95 0.21 -0.63	57.23 0.54 -3.91	60.75 0.46 -4.69	63.62 0.34 -4.42	68.20 0.42 -4.19	58.66 0.40 -3.62	59.15 0.47 -3.26	81.01 0.66 -4.66	68.49 0.23 -3.54	59.73 0.33 -2.98	46.88 0.34 -1.99	46.70 0.30 -2.00	59.55 0.69 -3.49	66.27 0.56 -4.23	65.16 0.25 -4.00	55.60 0.37 -3.27	55.19 0.28 -3.23	53.49 0.28 -3.12	46.38 0.29 -2.53
BROWNFLS_115KV_TB 3_5 80003	52.25 2.23 -1.53	43.06 1.67 -0.78	42.78 1.59 -0.74	30.78 1.10 -0.21	30.43 1.05 -0.18	36.84 1.41 -0.32	57.20 2.43 -1.99	60.48 2.50 -2.38	63.28 2.18 -2.23	67.62 1.88 -2.15	57.90 1.40 -1.86	58.16 1.08 -1.66	79.33 1.27 -2.37	67.46 0.95 -1.80	58.80 0.85 -1.51	46.23 0.65 -1.01	46.02 0.60 -1.03	58.09 0.90 -1.81	65.33 1.64 -2.20	65.17 2.17 -2.08	55.40 1.74 -1.70	55.39 2.04 -1.69	53.56 1.85 -1.63	46.27 1.39 -1.32
BROWNSV1_27_KV_LOAD 356125	50.61 1.77 -0.34	42.64 1.85 -0.18	42.92 1.64 -0.84	30.82 1.35 0.00	30.61 1.38 -0.04	36.97 1.67 -0.19	55.37 2.30 -0.29	58.04 2.45 0.00	147.47 2.88 -85.73	69.01 3.16 -2.26	57.35 2.71 0.00	59.74 2.97 -1.35	81.53 4.22 -1.62	68.73 3.83 -0.18	59.65 3.22 0.00	47.08 2.52 0.00	46.97 2.58 0.00	58.90 3.52 0.00	65.19 3.70 0.00	64.12 3.21 0.00	54.47 2.52 0.00	54.07 2.40 0.00	53.19 2.33 -0.78	47.08 2.09 -1.42
BURROWS___LYONSDAL 23803	51.87 1.92 -1.46	42.81 1.46 -0.74	42.58 1.43 -0.71	30.70 1.03 -0.20	30.42 1.05 -0.17	36.80 1.39 -0.31	57.06 2.39 -1.89	60.37 2.51 -2.26	63.29 2.32 -2.11	67.69 2.05 -2.05	57.96 1.55 -1.77	58.38 1.38 -1.58	79.78 1.83 -2.26	67.94 1.51 -1.72	59.24 1.36 -1.44	46.59 1.06 -0.97	46.67 1.30 -0.98	59.13 2.00 -1.76	66.15 2.52 -2.15	65.66 2.71 -2.03	55.72 2.10 -1.67	55.26 1.94 -1.65	53.22 1.55 -1.59	45.98 1.13 -1.29
CAITHNESS_CC_1 323624	48.11 -0.28 0.11	41.51 0.72 -0.18	41.84 0.89 -0.50	30.24 0.77 0.00	29.92 0.69 -0.04	36.22 0.93 -0.19	53.60 0.53 -0.29	54.24 -0.20 1.15	53.00 0.04 5.91	53.61 0.23 10.21	49.59 0.33 5.38	47.13 0.50 8.79	65.38 0.86 11.17	51.18 1.20 14.73	46.91 0.97 10.50	47.58 0.95 -2.07	48.26 1.10 -2.77	46.50 1.53 10.40	60.99 1.52 2.01	47.45 1.00 14.46	47.86 0.66 4.75	31.88 0.45 20.23	47.25 0.47 3.31	40.39 1.12 4.29
CALPINE BETH_PAGE_GT4 24209	48.91 0.40 -0.02	41.92 1.12 -0.18	43.04 1.29 -1.30	30.53 1.05 -0.01	30.14 0.91 -0.04	36.44 1.14 -0.19	53.92 0.85 -0.29	55.24 0.45 0.81	57.79 0.78 1.85	58.99 0.95 5.55	55.04 0.77 0.37	54.20 0.95 2.18	71.16 1.56 6.09	62.07 1.65 4.29	56.55 1.25 1.13	54.94 1.03 -9.35	55.58 1.18 -10.01	63.87 1.80 -6.70	100.25 1.88 -36.89	69.41 1.38 -7.12	63.52 1.04 -10.53	47.37 0.88 5.18	51.95 0.98 -0.89	53.09 1.51 -8.00
CALPINE_BETH_PAGE_GT_4 323586	48.91 0.40 -0.02	41.92 1.13 -0.18	43.01 1.27 -1.30	30.48 1.00 -0.01	30.14 0.91 -0.04	36.44 1.14 -0.19	53.91 0.83 -0.29	55.21 0.43 0.81	57.78 0.76 1.85	58.95 0.91 5.55	55.05 0.77 0.37	54.15 0.90 2.18	71.15 1.55 6.09	62.08 1.65 4.29	56.55 1.24 1.13	54.95 1.04 -9.35	55.58 1.18 -10.01	63.85 1.77 -6.70	100.19 1.82 -36.89	69.41 1.38 -7.12	63.50 1.02 -10.53	47.36 0.87 5.18	51.95 0.97 -0.89	53.10 1.52 -8.00
CALPINE_BP_GT1 23823	48.91 0.40 -0.02	41.92 1.13 -0.18	43.01 1.27 -1.30	30.48 1.00 -0.01	30.14 0.91 -0.04	36.44 1.14 -0.19	53.91 0.83 -0.29	55.21 0.43 0.81	57.78 0.76 1.85	58.95 0.91 5.55	55.05 0.77 0.37	54.15 0.90 2.18	71.15 1.55 6.09	62.08 1.65 4.29	56.55 1.24 1.13	54.95 1.04 -9.35	55.58 1.18 -10.01	63.85 1.77 -6.70	100.19 1.82 -36.89	69.41 1.38 -7.12	63.50 1.02 -10.53	47.36 0.87 5.18	51.95 0.97 -0.89	53.10 1.52 -8.00
CALSPAN___DRP 24200	53.02 2.05 -2.47	42.61 0.75 -1.25	42.38 0.73 -1.20	29.91 0.10 -0.34	29.62 0.13 -0.29	36.33 0.70 -0.52	56.91 0.93 -3.19	59.95 0.75 -3.61	62.71 0.45 -3.40	67.48 0.64 -3.24	58.79 1.31 -2.84	59.20 1.17 -2.61	81.08 1.67 -3.72	68.21 0.66 -2.83	59.49 0.68 -2.38	46.80 0.68 -1.56	46.16 0.23 -1.54	58.45 0.39 -2.69	64.95 0.22 -3.25	64.15 0.17 -3.07	54.84 0.37 -2.51	54.64 0.48 -2.49	53.19 0.71 -2.40	46.73 1.22 -1.94



CALVERTON___SOLAR 323806	48.15 -0.24 0.11	41.53 0.75 -0.18	41.88 0.94 -0.50	30.29 0.83 0.00	29.97 0.75 -0.04	36.31 1.01 -0.19	53.74 0.67 -0.29	54.37 -0.08 1.15	53.16 0.20 5.90	53.82 0.43 10.20	49.79 0.52 5.37	47.34 0.69 8.77	65.63 1.10 11.16	51.43 1.42 14.70	47.16 1.20 10.47	47.79 1.14 -2.09	48.48 1.30 -2.79	46.79 1.77 10.35	61.37 1.80 1.91	47.76 1.26 14.41	48.11 0.87 4.71	32.10 0.63 20.20	47.42 0.63 3.30	40.55 1.24 4.26
CANDIGU_WT_PWR 323617	52.67 1.25 -2.93	42.51 0.42 -1.49	42.25 0.38 -1.42	29.92 0.05 -0.40	29.68 0.14 -0.35	36.18 0.46 -0.61	57.53 0.96 -3.80	60.94 0.86 -4.48	63.46 0.38 -4.23	68.10 0.47 -4.04	58.36 0.21 -3.51	58.73 0.14 -3.17	80.60 0.39 -4.52	67.92 -0.24 -3.44	59.25 -0.07 -2.88	46.65 0.17 -1.91	46.22 -0.08 -1.92	59.21 0.50 -3.34	65.99 0.47 -4.04	64.77 0.04 -3.82	55.30 0.22 -3.13	54.85 0.08 -3.09	53.33 0.26 -2.99	46.54 0.56 -2.41
CARR STREET_E_SYR 24060	52.14 -0.41 -4.06	42.20 -0.47 -2.06	41.94 -0.48 -1.97	29.65 -0.38 -0.56	29.32 -0.35 -0.48	35.63 -0.33 -0.85	57.71 -0.34 -5.28	61.76 -0.11 -6.27	64.72 0.03 -5.83	68.84 -0.48 -5.73	59.20 -0.39 -4.95	59.42 -0.41 -4.41	81.37 -0.62 -6.29	68.87 -0.64 -4.79	59.96 -0.50 -4.02	46.92 -0.34 -2.70	46.85 -0.28 -2.73	59.97 -0.15 -4.75	66.95 -0.27 -5.74	65.97 -0.37 -5.42	56.09 -0.30 -4.44	55.71 -0.35 -4.38	53.92 -0.40 -4.24	46.64 -0.35 -3.42
CARTHAGE___PAPER 23857	54.53 3.03 -3.01	44.44 2.30 -1.53	44.12 2.22 -1.46	31.48 1.60 -0.42	31.14 1.59 -0.36	37.84 2.10 -0.63	60.32 3.63 -3.91	64.00 3.71 -4.68	66.48 3.23 -4.39	70.60 2.78 -4.23	60.22 1.93 -3.65	60.03 1.34 -3.26	81.82 1.48 -4.65	69.39 1.13 -3.54	60.60 1.19 -2.97	47.52 0.97 -1.99	47.69 1.28 -2.02	61.31 2.39 -3.54	69.32 3.54 -4.30	69.07 4.10 -4.06	58.46 3.18 -3.33	58.16 3.21 -3.29	55.87 2.62 -3.18	48.05 1.92 -2.57
CASSADAGA_WT_PWR 323784	53.71 2.72 -2.50	43.14 1.27 -1.27	42.88 1.22 -1.22	30.30 0.48 -0.34	30.02 0.53 -0.30	36.78 1.14 -0.53	58.26 2.25 -3.23	61.67 2.42 -3.66	64.26 1.95 -3.45	69.18 2.30 -3.29	60.25 2.74 -2.87	60.81 2.74 -2.64	83.09 3.64 -3.76	69.74 2.16 -2.86	60.97 2.13 -2.40	48.05 1.90 -1.58	47.42 1.47 -1.56	60.03 1.94 -2.72	66.74 1.96 -3.29	65.65 1.63 -3.11	56.18 1.69 -2.55	55.84 1.66 -2.52	54.35 1.84 -2.43	47.49 1.96 -1.96
CE_DUNWOOD___DRP 24194	49.78 0.94 -0.34	41.93 1.14 -0.18	42.28 1.00 -0.84	30.35 0.88 0.00	30.13 0.91 -0.04	36.37 1.07 -0.19	54.50 1.43 -0.29	57.07 1.47 0.00	60.61 1.75 0.00	65.55 1.96 0.00	56.23 1.59 0.00	58.57 1.81 -1.35	79.93 2.62 -1.62	67.34 2.45 -0.18	58.45 2.02 0.00	46.13 1.56 0.00	46.06 1.67 0.00	57.77 2.40 0.00	63.98 2.50 0.00	62.96 2.05 0.00	53.50 1.54 0.00	53.11 1.43 0.00	52.27 1.41 -0.78	46.28 1.29 -1.42
CE_MILLWOOD___DRP 24193	49.68 0.85 -0.34	41.84 1.05 -0.18	42.19 0.92 -0.84	30.28 0.82 0.00	30.06 0.83 -0.04	36.29 0.99 -0.19	54.39 1.32 -0.29	56.96 1.36 0.00	60.48 1.62 0.00	65.40 1.81 0.00	56.09 1.45 0.00	58.42 1.66 -1.34	79.73 2.43 -1.61	67.18 2.29 -0.18	58.30 1.86 0.00	46.02 1.46 0.00	45.94 1.55 0.00	57.64 2.27 0.00	63.85 2.37 0.00	62.82 1.91 0.00	53.39 1.44 0.00	53.00 1.33 0.00	52.17 1.31 -0.77	46.18 1.20 -1.42
CE_NYC2_DRP 24202	50.07 1.24 -0.34	42.25 1.46 -0.18	42.56 1.27 -0.84	30.56 1.09 0.00	30.39 1.16 -0.04	36.64 1.34 -0.19	54.86 1.79 -0.29	57.53 1.93 0.00	127.91 2.33 -66.72	67.86 2.51 -1.76	56.70 2.05 0.00	59.10 2.33 -1.35	80.52 3.21 -1.62	67.86 2.97 -0.18	58.92 2.48 0.00	46.45 1.88 0.00	46.34 1.96 0.00	58.04 2.67 0.00	64.23 2.74 0.00	63.19 2.28 0.00	53.67 1.72 0.00	53.30 1.62 0.00	52.47 1.61 -0.78	46.43 1.44 -1.42
CE_NYC_DRP 24195	50.09 1.25 -0.34	42.24 1.46 -0.18	42.55 1.27 -0.84	30.55 1.09 0.00	30.34 1.12 -0.04	36.64 1.34 -0.19	54.83 1.76 -0.29	57.46 1.86 0.00	151.49 2.25 -90.38	68.46 2.49 -2.38	56.75 2.11 0.00	59.14 2.37 -1.35	80.70 3.39 -1.62	68.00 3.11 -0.18	59.05 2.61 0.00	46.58 2.02 0.00	46.49 2.09 0.00	58.28 2.90 0.00	64.50 3.02 0.00	63.44 2.53 0.00	53.89 1.94 0.00	53.48 1.81 0.00	52.64 1.78 -0.78	46.61 1.62 -1.42
CHAFFEE___LFGE 323603	53.08 2.10 -2.49	42.68 0.81 -1.26	42.43 0.78 -1.21	29.95 0.14 -0.34	29.67 0.18 -0.30	36.39 0.75 -0.52	57.06 1.07 -3.22	60.17 0.92 -3.64	62.96 0.67 -3.43	67.76 0.89 -3.28	59.10 1.59 -2.86	59.56 1.51 -2.63	81.51 2.07 -3.75	68.57 1.01 -2.85	59.82 0.99 -2.40	47.00 0.86 -1.57	46.39 0.44 -1.56	58.77 0.68 -2.72	65.30 0.53 -3.28	64.47 0.46 -3.10	55.10 0.61 -2.54	54.90 0.72 -2.51	53.40 0.89 -2.43	46.83 1.30 -1.96
CHATEAUG_35_KV_LOAD 355732	50.04 1.55 0.00	41.80 1.19 0.00	41.54 1.10 0.00	30.19 0.72 0.00	29.69 0.50 0.00	35.74 0.63 0.00	53.35 0.56 0.00	55.92 0.33 0.00	58.96 0.10 0.00	63.46 -0.13 0.00	54.46 -0.18 0.00	55.07 -0.35 0.00	75.28 -0.41 0.00	64.34 -0.38 0.00	55.96 -0.47 0.00	44.16 -0.41 0.00	43.89 -0.50 0.00	54.45 -0.92 0.00	60.84 -0.65 0.00	60.56 -0.35 0.00	51.79 -0.16 0.00	52.27 0.60 0.00	51.28 1.20 0.00	44.58 1.01 0.00
CHATEAUG_WT_PWR 323614	49.92 1.43 0.00	41.71 1.10 0.00	41.48 1.03 0.00	30.15 0.68 0.00	29.66 0.47 0.00	35.68 0.57 0.00	53.17 0.39 0.00	55.66 0.06 0.00	58.72 -0.14 0.00	63.28 -0.31 0.00	54.31 -0.33 0.00	54.90 -0.52 0.00	75.05 -0.64 0.00	64.17 -0.55 0.00	55.80 -0.63 0.00	44.04 -0.52 0.00	43.78 -0.61 0.00	54.36 -1.01 0.00	60.63 -0.86 0.00	60.23 -0.69 0.00	51.48 -0.48 0.00	52.06 0.38 0.00	51.14 1.06 0.00	44.48 0.92 0.00
CHAT_HIGH_FALL_HYD 323578	50.04 1.55 0.00	41.80 1.19 0.00	41.54 1.10 0.00	30.19 0.72 0.00	29.69 0.50 0.00	35.74 0.63 0.00	53.35 0.56 0.00	55.92 0.33 0.00	58.96 0.10 0.00	63.46 -0.13 0.00	54.46 -0.18 0.00	55.07 -0.35 0.00	75.28 -0.41 0.00	64.34 -0.38 0.00	55.96 -0.47 0.00	44.16 -0.41 0.00	43.89 -0.50 0.00	54.45 -0.92 0.00	60.84 -0.65 0.00	60.56 -0.35 0.00	51.79 -0.16 0.00	52.27 0.60 0.00	51.28 1.20 0.00	44.58 1.01 0.00
CHAUTAUQUA___LFGE 323629	53.28 2.29 -2.49	42.77 0.90 -1.26	42.51 0.85 -1.21	30.02 0.21 -0.34	29.75 0.26 -0.30	36.43 0.80 -0.52	57.43 1.43 -3.22	60.44 1.22 -3.62	63.11 0.84 -3.41	67.95 1.10 -3.26	59.18 1.69 -2.85	59.65 1.60 -2.62	81.64 2.22 -3.73	68.53 0.98 -2.84	59.93 1.11 -2.38	47.19 1.07 -1.57	46.58 0.64 -1.55	59.21 1.13 -2.70	65.92 1.17 -3.27	64.82 0.82 -3.09	55.46 0.98 -2.53	55.19 1.02 -2.50	53.75 1.26 -2.41	46.99 1.47 -1.95
CHERRYST_13_KV_LD 356241	50.23 1.39 -0.34	42.37 1.58 -0.18	42.67 1.38 -0.84	30.64 1.17 0.00	30.44 1.21 -0.04	36.76 1.45 -0.19	55.02 1.95 -0.29	57.67 2.08 0.00	151.74 2.50 -90.38	68.75 2.78 -2.38	57.01 2.36 0.00	59.41 2.64 -1.35	81.07 3.76 -1.62	68.30 3.41 -0.18	59.32 2.88 0.00	46.80 2.24 0.00	46.69 2.30 0.00	58.52 3.15 0.00	64.76 3.28 0.00	63.66 2.75 0.00	54.08 2.13 0.00	53.66 1.99 0.00	52.81 1.94 -0.78	46.75 1.76 -1.42



CHESTROR_138KV_BK263 355645	49.37 0.57 -0.30	41.51 0.74 -0.16	41.81 0.64 -0.73	30.05 0.58 0.00	29.82 0.60 -0.03	35.97 0.70 -0.16	53.99 0.95 -0.25	56.60 1.00 0.00	60.03 1.17 0.00	64.90 1.30 0.00	55.66 1.02 0.00	57.77 1.17 -1.17	78.86 1.77 -1.41	66.55 1.69 -0.15	57.77 1.34 0.00	45.59 1.03 0.00	45.54 1.14 0.00	57.16 1.78 0.00	63.35 1.87 0.00	62.37 1.46 0.00	53.07 1.11 0.00	52.69 1.02 0.00	51.75 1.00 -0.66	45.67 0.89 -1.21
CH_MIDHUDSON___DRP 24192	49.56 0.73 -0.33	41.69 0.91 -0.17	42.07 0.82 -0.81	30.20 0.73 0.00	29.97 0.75 -0.03	36.16 0.87 -0.18	54.22 1.16 -0.28	56.84 1.24 0.00	60.35 1.49 0.00	65.27 1.68 0.00	55.98 1.34 0.00	58.20 1.48 -1.30	79.42 2.17 -1.56	66.96 2.07 -0.17	58.12 1.69 0.00	45.88 1.32 0.00	45.81 1.42 0.00	57.45 2.08 0.00	63.61 2.13 0.00	62.68 1.77 0.00	53.34 1.38 0.00	52.93 1.25 0.00	51.76 1.18 -0.50	45.52 1.04 -0.91
CH_MISC_IPPS 23765	49.89 1.07 -0.32	41.96 1.18 -0.17	42.29 1.07 -0.78	30.37 0.90 0.00	30.15 0.92 -0.03	36.38 1.09 -0.18	54.58 1.52 -0.27	57.24 1.64 0.00	60.76 1.90 0.00	65.72 2.12 0.00	56.39 1.75 0.00	58.61 1.92 -1.26	79.98 2.77 -1.51	67.46 2.58 -0.17	58.55 2.11 0.00	46.23 1.67 0.00	46.17 1.78 0.00	57.95 2.57 0.00	64.18 2.69 0.00	63.23 2.32 0.00	53.79 1.84 0.00	53.37 1.70 0.00	52.27 1.60 -0.58	46.02 1.39 -1.06
CH_RES_BVR_FALLS 23983	48.74 0.24 0.00	40.77 0.16 0.00	40.58 0.14 0.00	29.53 0.06 0.00	29.22 0.03 0.00	35.15 0.04 0.00	52.87 0.09 0.00	55.68 0.08 0.00	58.86 0.00 0.00	63.61 0.02 0.00	54.74 0.10 0.00	55.49 0.06 0.00	75.75 0.06 0.00	64.73 0.02 0.00	56.43 0.00 0.00	44.55 -0.02 0.00	44.30 -0.09 0.00	55.04 -0.33 0.00	61.26 -0.22 0.00	60.84 -0.07 0.00	51.85 -0.10 0.00	51.62 -0.05 0.00	50.01 -0.07 0.00	43.43 -0.14 0.00
CH_RES_NIAGARA 23895	52.17 1.28 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.38 -0.42 -0.33	29.06 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.37 -3.10	57.84 -1.24 -3.48	60.75 -1.39 -3.28	65.30 -1.43 -3.13	57.41 0.03 -2.74	57.81 -0.13 -2.52	78.43 -0.86 -3.60	66.63 -0.82 -2.74	57.90 -0.83 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.56 -1.40 -2.59	62.39 -2.23 -3.13	61.83 -2.05 -2.96	53.06 -1.32 -2.43	53.03 -1.04 -2.40	51.78 -0.62 -2.31	45.82 0.38 -1.87
CH_RES_SYRACUSE 23985	54.37 -0.02 -5.89	43.44 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.73 0.10 -8.77	72.01 -0.01 -8.42	61.84 -0.05 -7.25	61.77 -0.08 -6.43	84.50 -0.37 -9.17	71.16 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.35 -0.03 -7.00	69.86 -0.10 -8.48	68.72 -0.20 -8.01	58.43 -0.09 -6.56	58.15 0.00 -6.48	56.38 0.04 -6.26	48.63 0.00 -5.06
CLINTON_WT_PWR 323605	49.92 1.43 0.00	41.71 1.10 0.00	41.48 1.03 0.00	30.15 0.68 0.00	29.66 0.47 0.00	35.68 0.57 0.00	53.17 0.39 0.00	55.66 0.06 0.00	58.72 -0.14 0.00	63.28 -0.31 0.00	54.31 -0.33 0.00	54.90 -0.52 0.00	75.05 -0.64 0.00	64.17 -0.55 0.00	55.80 -0.63 0.00	44.04 -0.52 0.00	43.78 -0.61 0.00	54.36 -1.01 0.00	60.63 -0.86 0.00	60.23 -0.69 0.00	51.48 -0.48 0.00	52.06 0.38 0.00	51.14 1.06 0.00	44.48 0.92 0.00
CLINTON___LFGE 323618	50.59 2.10 0.00	42.27 1.66 0.00	42.01 1.57 0.00	30.56 1.09 0.00	30.05 0.85 0.00	36.11 1.00 0.00	53.51 0.73 0.00	55.75 0.16 0.00	58.82 -0.04 0.00	63.33 -0.26 0.00	54.25 -0.39 0.00	54.76 -0.67 0.00	74.89 -0.80 0.00	64.10 -0.61 0.00	55.71 -0.73 0.00	43.90 -0.66 0.00	43.64 -0.75 0.00	54.37 -1.00 0.00	60.62 -0.87 0.00	60.13 -0.78 0.00	51.50 -0.46 0.00	52.56 0.88 0.00	51.92 1.84 0.00	45.15 1.58 0.00
COBBLENY_34_KV_TB1 80064	53.09 2.11 -2.49	42.67 0.80 -1.26	42.43 0.78 -1.21	29.95 0.14 -0.34	29.67 0.18 -0.30	36.38 0.75 -0.52	57.06 1.07 -3.22	60.16 0.91 -3.64	62.97 0.67 -3.43	67.73 0.86 -3.28	59.10 1.59 -2.86	59.56 1.51 -2.63	81.49 2.05 -3.75	68.58 1.01 -2.85	59.82 0.99 -2.40	47.00 0.86 -1.57	46.40 0.45 -1.56	58.76 0.67 -2.72	65.27 0.50 -3.28	64.48 0.46 -3.10	55.11 0.62 -2.54	54.87 0.69 -2.51	53.38 0.87 -2.43	46.84 1.32 -1.96
COFFEEN___115KV_TB3 355620	55.49 3.39 -3.61	44.99 2.55 -1.83	44.66 2.46 -1.76	31.73 1.76 -0.50	31.41 1.78 -0.43	38.21 2.35 -0.76	61.55 4.08 -4.69	65.38 4.15 -5.63	67.72 3.58 -5.28	71.75 3.08 -5.08	61.20 2.17 -4.39	60.73 1.39 -3.92	82.68 1.40 -5.59	69.85 0.88 -4.25	61.24 1.24 -3.57	47.83 0.88 -2.39	48.29 1.48 -2.42	62.52 2.90 -4.24	70.87 4.25 -5.15	70.71 4.93 -4.86	59.78 3.85 -3.98	59.47 3.87 -3.93	57.02 3.14 -3.80	48.97 2.33 -3.07
COLDSPRG_115KV_BK1 355956	53.69 2.68 -2.52	43.18 1.30 -1.28	42.95 1.28 -1.23	30.41 0.60 -0.35	30.16 0.67 -0.30	36.96 1.32 -0.53	58.67 2.63 -3.26	62.28 2.98 -3.70	64.86 2.51 -3.49	69.71 2.79 -3.33	60.66 3.11 -2.91	61.24 3.14 -2.67	83.51 4.02 -3.80	70.05 2.44 -2.89	61.18 2.31 -2.43	48.23 2.07 -1.60	47.59 1.62 -1.58	60.18 2.06 -2.75	66.92 2.11 -3.33	65.80 1.75 -3.14	56.27 1.75 -2.57	55.92 1.70 -2.54	54.39 1.85 -2.46	47.57 2.02 -1.99
COLONIE_LFGE___ 323577	48.31 0.27 0.45	40.75 0.38 0.24	39.74 0.40 1.11	29.89 0.42 0.00	29.59 0.45 0.05	35.38 0.52 0.25	52.97 0.57 0.38	56.21 0.61 0.00	59.67 0.81 0.00	64.44 0.85 0.00	55.27 0.62 0.00	54.27 0.63 1.78	74.52 0.96 2.13	65.47 0.99 0.23	57.25 0.82 0.00	45.20 0.63 0.00	45.07 0.68 0.00	56.50 1.13 0.00	62.42 0.94 0.00	61.69 0.77 0.00	52.63 0.67 0.00	52.29 0.62 0.00	49.57 0.52 1.03	42.13 0.44 1.87
COOPERNY_115KV_TB1 80082	49.06 0.36 -0.21	41.22 0.50 -0.11	41.40 0.45 -0.51	29.88 0.41 0.00	29.64 0.43 -0.02	35.70 0.47 -0.12	53.61 0.65 -0.17	56.25 0.66 0.00	59.63 0.77 0.00	64.46 0.87 0.00	55.30 0.66 0.00	57.02 0.78 -0.82	77.86 1.19 -0.98	65.94 1.12 -0.11	57.32 0.89 0.00	45.26 0.69 0.00	45.16 0.77 0.00	56.62 1.25 0.00	62.72 1.24 0.00	61.83 0.92 0.00	52.66 0.71 0.00	52.34 0.66 0.00	51.19 0.65 -0.46	44.99 0.59 -0.83
COPENHAGEN_WT_PWR 323753	55.03 2.77 -3.77	44.59 2.07 -1.91	44.27 1.99 -1.84	31.41 1.42 -0.52	31.08 1.44 -0.45	37.77 1.86 -0.79	60.97 3.29 -4.90	64.73 3.26 -5.88	67.13 2.75 -5.51	71.27 2.37 -5.30	60.92 1.69 -4.58	60.61 1.09 -4.09	82.65 1.12 -5.84	69.86 0.70 -4.44	61.10 0.94 -3.73	47.72 0.66 -2.50	47.98 1.06 -2.53	61.92 2.12 -4.43	70.02 3.17 -5.37	69.79 3.81 -5.07	58.93 2.82 -4.15	58.72 2.94 -4.11	56.33 2.29 -3.97	48.35 1.58 -3.21
CORNELL_____ 23752	53.49 1.06 -3.93	43.27 0.67 -1.99	43.02 0.66 -1.91	30.46 0.44 -0.54	30.17 0.51 -0.47	36.66 0.73 -0.83	59.22 1.33 -5.10	63.19 1.42 -6.16	65.98 1.31 -5.81	70.59 1.45 -5.54	60.55 1.13 -4.78	60.72 1.02 -4.28	83.29 1.50 -6.09	70.43 1.08 -4.64	61.24 0.91 -3.89	47.90 0.74 -2.60	47.83 0.81 -2.64	61.37 1.40 -4.60	68.79 1.74 -5.57	67.77 1.60 -5.26	57.70 1.44 -4.31	57.18 1.26 -4.25	55.33 1.14 -4.11	47.86 0.96 -3.32



CORONA__69_KV_TB1 355595	49.78 0.98 -0.30	42.37 1.57 -0.19	46.99 1.66 -4.89	30.83 1.31 -0.05	30.41 1.18 -0.04	36.78 1.47 -0.21	54.67 1.59 -0.30	57.02 1.29 -0.13	69.41 1.57 -8.98	77.12 1.85 -11.68	76.57 1.56 -20.37	81.47 1.79 -24.26	93.53 2.60 -15.24	109.66 2.51 -42.43	99.90 2.07 -41.39	89.89 1.73 -43.60	90.67 1.85 -44.43	143.69 2.67 -85.64	280.55 2.80 -216.26	169.74 2.26 -106.56	135.42 1.79 -81.68	108.25 1.58 -55.00	73.12 1.63 -21.40	118.83 1.90 -73.36
CORTLAND__115KV_TB3 80093	53.32 1.17 -3.66	43.31 0.85 -1.85	43.03 0.81 -1.78	30.54 0.56 -0.51	30.22 0.59 -0.44	36.73 0.85 -0.77	59.12 1.59 -4.75	63.21 1.92 -5.69	66.15 1.99 -5.30	70.43 1.66 -5.18	60.46 1.35 -4.47	60.78 1.38 -3.98	83.26 1.90 -5.67	70.56 1.53 -4.32	61.42 1.36 -3.62	48.01 1.02 -2.43	48.05 1.18 -2.47	61.32 1.59 -4.35	68.68 1.91 -5.28	67.80 1.90 -4.99	57.62 1.57 -4.09	57.14 1.43 -4.04	55.23 1.25 -3.90	47.73 1.00 -3.15
COXSACKIE__GT 23611	48.78 0.39 0.11	40.98 0.43 0.06	40.67 0.50 0.27	29.84 0.37 0.00	29.60 0.42 0.01	35.57 0.53 0.06	53.45 0.76 0.09	56.69 1.09 0.00	60.20 1.34 0.00	64.96 1.37 0.00	55.70 1.06 0.00	56.14 1.16 0.44	76.54 1.37 0.52	65.90 1.25 0.06	57.52 1.08 0.00	45.54 0.98 0.00	45.46 1.07 0.00	57.00 1.62 0.00	62.96 1.48 0.00	62.36 1.45 0.00	53.18 1.22 0.00	52.76 1.09 0.00	50.63 0.82 0.27	43.68 0.61 0.50
CPV_VALLEY__CC1 323721	49.01 0.25 -0.26	41.23 0.48 -0.14	41.47 0.38 -0.65	29.85 0.38 0.00	29.63 0.41 -0.03	35.71 0.46 -0.15	53.59 0.59 -0.22	56.20 0.61 0.00	59.61 0.75 0.00	64.42 0.83 0.00	55.27 0.63 0.00	57.25 0.78 -1.04	78.14 1.20 -1.25	66.05 1.20 -0.14	57.34 0.91 0.00	45.28 0.71 0.00	45.21 0.82 0.00	56.71 1.33 0.00	62.84 1.35 0.00	61.87 0.96 0.00	52.65 0.70 0.00	52.31 0.64 0.00	51.30 0.63 -0.59	45.24 0.58 -1.08
CPV_VALLEY__CC2 323722	49.01 0.25 -0.26	41.23 0.48 -0.14	41.47 0.38 -0.65	29.85 0.38 0.00	29.63 0.41 -0.03	35.71 0.46 -0.15	53.59 0.59 -0.22	56.20 0.61 0.00	59.61 0.75 0.00	64.42 0.83 0.00	55.27 0.63 0.00	57.25 0.78 -1.04	78.14 1.20 -1.25	66.05 1.20 -0.14	57.34 0.91 0.00	45.28 0.71 0.00	45.21 0.82 0.00	56.71 1.33 0.00	62.84 1.35 0.00	61.87 0.96 0.00	52.65 0.70 0.00	52.31 0.64 0.00	51.30 0.63 -0.59	45.24 0.58 -1.08
CRESCENT__HYD 24018	48.31 0.27 0.45	40.75 0.38 0.24	39.74 0.40 1.11	29.89 0.42 0.00	29.59 0.45 0.05	35.38 0.52 0.25	52.97 0.57 0.38	56.21 0.61 0.00	59.67 0.81 0.00	64.44 0.85 0.00	55.27 0.62 0.00	54.27 0.63 1.78	74.52 0.96 2.13	65.47 0.99 0.23	57.25 0.82 0.00	45.20 0.63 0.00	45.07 0.68 0.00	56.50 1.13 0.00	62.42 0.94 0.00	61.69 0.77 0.00	52.63 0.67 0.00	52.29 0.62 0.00	49.57 0.52 1.03	42.13 0.44 1.87
CRICKET__VALLEY_CC1 323756	42.61 -0.12 5.76	37.77 0.22 3.06	26.44 0.14 14.14	29.74 0.27 0.00	28.88 0.28 0.59	32.17 0.28 3.22	48.14 0.25 4.89	55.87 0.27 0.00	59.32 0.46 0.00	64.15 0.56 0.00	54.97 0.33 0.00	33.17 0.44 22.70	49.17 0.73 27.26	62.61 0.88 2.99	57.11 0.68 0.00	45.07 0.51 0.00	45.00 0.61 0.00	56.42 1.05 0.00	62.44 0.95 0.00	61.56 0.65 0.00	52.37 0.41 0.00	51.95 0.28 0.00	36.99 0.26 13.35	19.44 0.27 24.40
CRICKET__VALLEY_CC2 323757	42.61 -0.12 5.76	37.77 0.22 3.06	26.44 0.14 14.14	29.74 0.27 0.00	28.88 0.28 0.59	32.17 0.28 3.22	48.14 0.25 4.89	55.87 0.27 0.00	59.32 0.46 0.00	64.15 0.56 0.00	54.97 0.33 0.00	33.17 0.44 22.70	49.17 0.73 27.26	62.61 0.88 2.99	57.11 0.68 0.00	45.07 0.51 0.00	45.00 0.61 0.00	56.42 1.05 0.00	62.44 0.95 0.00	61.56 0.65 0.00	52.37 0.41 0.00	51.95 0.28 0.00	36.99 0.26 13.35	19.44 0.27 24.40
CRICKET__VALLEY_CC3 323758	42.61 -0.12 5.76	37.77 0.22 3.06	26.44 0.14 14.14	29.74 0.27 0.00	28.88 0.28 0.59	32.17 0.28 3.22	48.14 0.25 4.89	55.87 0.27 0.00	59.32 0.46 0.00	64.15 0.56 0.00	54.97 0.33 0.00	33.17 0.44 22.70	49.17 0.73 27.26	62.61 0.88 2.99	57.11 0.68 0.00	45.07 0.51 0.00	45.00 0.61 0.00	56.42 1.05 0.00	62.44 0.95 0.00	61.56 0.65 0.00	52.37 0.41 0.00	51.95 0.28 0.00	36.99 0.26 13.35	19.44 0.27 24.40
CRUCIBLE__METL_DRP 24180	54.37 -0.02 -5.89	43.45 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.72 0.09 -8.77	72.01 -0.02 -8.42	61.84 -0.06 -7.25	61.77 -0.08 -6.43	84.49 -0.38 -9.17	71.17 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.34 -0.03 -7.00	69.85 -0.11 -8.48	68.71 -0.20 -8.01	58.43 -0.08 -6.56	58.14 -0.01 -6.48	56.37 0.03 -6.26	48.63 0.00 -5.06
DAHOWA__HYDRO 323763	49.36 1.23 0.37	41.54 1.13 0.20	40.71 1.17 0.91	30.44 0.97 0.00	30.17 1.02 0.04	36.13 1.22 0.21	54.11 1.64 0.31	57.36 1.76 0.00	60.85 1.99 0.00	65.69 2.09 0.00	56.36 1.71 0.00	55.61 1.64 1.45	76.34 2.39 1.74	66.69 2.16 0.19	58.34 1.91 0.00	46.04 1.48 0.00	45.94 1.55 0.00	57.67 2.29 0.00	63.84 2.36 0.00	63.17 2.26 0.00	53.82 1.86 0.00	53.37 1.70 0.00	50.76 1.52 0.84	43.28 1.25 1.53
DANC__LFGE 323619	54.77 1.62 -4.66	44.14 1.16 -2.36	43.80 1.10 -2.27	30.89 0.77 -0.64	30.54 0.79 -0.55	37.16 1.08 -0.98	60.83 1.99 -6.05	64.83 1.98 -7.25	67.28 1.61 -6.81	71.42 1.28 -6.55	61.15 0.86 -5.65	60.93 0.45 -5.05	83.25 0.36 -7.21	70.26 0.06 -5.48	61.35 0.31 -4.60	47.86 0.22 -3.08	47.97 0.46 -3.12	61.99 1.16 -5.45	69.95 1.85 -6.61	69.42 2.26 -6.24	58.74 1.67 -5.11	58.54 1.82 -5.05	56.31 1.35 -4.88	48.41 0.90 -3.95
DANSKAMMER__1 23586	49.89 1.07 -0.32	41.96 1.18 -0.17	42.29 1.07 -0.78	30.37 0.90 0.00	30.15 0.92 -0.03	36.38 1.09 -0.18	54.58 1.52 -0.27	57.24 1.64 0.00	60.76 1.90 0.00	65.72 2.12 0.00	56.39 1.75 0.00	58.61 1.92 -1.26	79.98 2.77 -1.51	67.46 2.58 -0.17	58.55 2.11 0.00	46.23 1.67 0.00	46.17 1.78 0.00	57.95 2.57 0.00	64.18 2.69 0.00	63.23 2.32 0.00	53.79 1.84 0.00	53.37 1.70 0.00	52.27 1.60 -0.58	46.02 1.39 -1.06
DANSKAMMER__2 23589	49.89 1.07 -0.32	41.96 1.18 -0.17	42.29 1.07 -0.78	30.37 0.90 0.00	30.15 0.92 -0.03	36.38 1.09 -0.18	54.58 1.52 -0.27	57.24 1.64 0.00	60.76 1.90 0.00	65.72 2.12 0.00	56.39 1.75 0.00	58.61 1.92 -1.26	79.98 2.77 -1.51	67.46 2.58 -0.17	58.55 2.11 0.00	46.23 1.67 0.00	46.17 1.78 0.00	57.95 2.57 0.00	64.18 2.69 0.00	63.23 2.32 0.00	53.79 1.84 0.00	53.37 1.70 0.00	52.27 1.60 -0.58	46.02 1.39 -1.06
DANSKAMMER__3 23590	49.89 1.07 -0.32	41.96 1.18 -0.17	42.29 1.07 -0.78	30.37 0.90 0.00	30.15 0.92 -0.03	36.38 1.09 -0.18	54.58 1.52 -0.27	57.24 1.64 0.00	60.76 1.90 0.00	65.72 2.12 0.00	56.39 1.75 0.00	58.61 1.92 -1.26	79.98 2.77 -1.51	67.46 2.58 -0.17	58.55 2.11 0.00	46.23 1.67 0.00	46.17 1.78 0.00	57.95 2.57 0.00	64.18 2.69 0.00	63.23 2.32 0.00	53.79 1.84 0.00	53.37 1.70 0.00	52.27 1.60 -0.58	46.02 1.39 -1.06



DANSKAMMER___4 23591	49.89 1.07 -0.32	41.96 1.18 -0.17	42.29 1.07 -0.78	30.37 0.90 0.00	30.15 0.92 -0.03	36.38 1.09 -0.18	54.58 1.52 -0.27	57.24 1.64 0.00	60.76 1.90 0.00	65.72 2.12 0.00	56.39 1.75 0.00	58.61 1.92 -1.26	79.98 2.77 -1.51	67.46 2.58 -0.17	58.55 2.11 0.00	46.23 1.67 0.00	46.17 1.78 0.00	57.95 2.57 0.00	64.18 2.69 0.00	63.23 2.32 0.00	53.79 1.84 0.00	53.37 1.70 0.00	52.27 1.60 -0.58	46.02 1.39 -1.06
DANSKAMMER___DIESEL 23592	49.88 1.07 -0.32	41.96 1.18 -0.17	42.29 1.06 -0.78	30.37 0.90 0.00	30.14 0.92 -0.03	36.38 1.09 -0.18	54.58 1.53 -0.27	57.25 1.65 0.00	60.78 1.91 0.00	65.73 2.13 0.00	56.39 1.74 0.00	58.61 1.93 -1.26	79.98 2.78 -1.51	67.47 2.59 -0.17	58.54 2.11 0.00	46.23 1.67 0.00	46.16 1.78 0.00	57.95 2.58 0.00	64.18 2.70 0.00	63.24 2.33 0.00	53.79 1.84 0.00	53.38 1.71 0.00	52.26 1.60 -0.58	46.02 1.39 -1.06
DARBY___SOLAR 323810	49.13 1.02 0.38	41.36 0.96 0.20	40.49 0.99 0.94	30.31 0.84 0.00	30.03 0.88 0.04	35.94 1.05 0.21	53.83 1.37 0.33	57.08 1.48 0.00	60.56 1.70 0.00	65.37 1.78 0.00	56.09 1.44 0.00	55.30 1.39 1.51	75.89 2.01 1.82	66.37 1.85 0.20	58.07 1.63 0.00	45.83 1.26 0.00	45.72 1.33 0.00	57.38 2.01 0.00	63.50 2.02 0.00	62.82 1.91 0.00	53.53 1.58 0.00	53.11 1.44 0.00	50.48 1.28 0.87	43.04 1.06 1.60
DASHVILLE___HYD 23610	49.30 0.61 -0.19	41.49 0.78 -0.10	41.68 0.78 -0.47	30.09 0.62 0.00	29.86 0.65 -0.02	35.93 0.72 -0.11	53.91 0.96 -0.16	56.61 1.01 0.00	60.11 1.25 0.00	65.03 1.44 0.00	55.77 1.12 0.00	57.56 1.39 -0.75	78.62 2.03 -0.90	66.61 1.80 -0.10	57.85 1.42 0.00	45.70 1.13 0.00	45.63 1.24 0.00	57.20 1.83 0.00	63.30 1.81 0.00	62.40 1.49 0.00	53.12 1.17 0.00	52.75 1.08 0.00	51.48 1.05 -0.35	45.18 0.96 -0.64
DELAWARE___LFGE 323621	50.76 0.73 -1.53	42.12 0.73 -0.78	41.99 0.80 -0.74	30.29 0.61 -0.21	30.00 0.62 -0.18	36.09 0.66 -0.32	55.78 1.01 -1.99	59.04 1.06 -2.38	62.22 1.11 -2.25	66.94 1.21 -2.13	57.49 1.00 -1.84	58.18 1.10 -1.66	79.64 1.58 -2.37	67.85 1.34 -1.80	59.06 1.12 -1.51	46.50 0.93 -1.01	46.35 0.94 -1.02	58.58 1.43 -1.77	64.87 1.24 -2.15	63.94 1.00 -2.03	54.55 0.94 -1.66	54.22 0.90 -1.64	52.46 0.79 -1.59	45.55 0.70 -1.28
DERFIELD_115KV_TB7 355931	48.40 -0.09 0.00	40.57 -0.04 0.00	40.44 0.00 0.00	29.49 0.03 0.00	29.22 0.03 0.00	35.13 0.02 0.00	52.78 0.00 0.00	55.59 -0.01 0.00	58.86 0.00 0.00	63.59 0.00 0.00	54.64 0.00 0.00	55.43 0.00 0.00	75.76 0.07 0.00	64.81 0.10 0.00	56.49 0.06 0.00	44.61 0.05 0.00	44.48 0.09 0.00	55.59 0.22 0.00	61.60 0.11 0.00	60.93 0.01 0.00	51.98 0.02 0.00	51.67 0.00 0.00	50.03 -0.05 0.00	43.52 -0.05 0.00
DOGLEVILLE___HYD 23807	48.34 -0.16 0.00	40.74 0.13 0.00	40.59 0.15 0.00	29.79 0.32 0.00	29.55 0.36 0.00	35.53 0.42 0.00	53.48 0.70 0.00	56.36 0.76 0.00	59.68 0.81 0.00	64.43 0.84 0.00	55.09 0.45 0.00	55.80 0.38 0.00	76.54 0.85 0.00	65.67 0.95 0.00	57.24 0.81 0.00	45.15 0.58 0.00	45.21 0.82 0.00	57.01 1.64 0.00	62.72 1.24 0.00	61.45 0.54 0.00	52.31 0.36 0.00	51.94 0.27 0.00	50.00 -0.08 0.00	43.32 -0.25 0.00
DUNKIRK___115KV_TB_200 55889	53.20 2.21 -2.49	42.72 0.84 -1.26	42.46 0.81 -1.21	29.98 0.16 -0.34	29.71 0.22 -0.30	36.36 0.73 -0.52	57.31 1.32 -3.22	60.26 1.04 -3.62	62.95 0.67 -3.41	67.76 0.92 -3.26	59.03 1.54 -2.85	59.51 1.47 -2.62	81.43 2.01 -3.73	68.35 0.80 -2.84	59.79 0.98 -2.38	47.08 0.96 -1.56	46.47 0.53 -1.55	59.07 0.99 -2.70	65.75 1.00 -3.27	64.66 0.66 -3.08	55.36 0.88 -2.53	55.05 0.88 -2.50	53.62 1.13 -2.41	46.92 1.40 -1.95
DUNKIRK___1 23563	53.20 2.21 -2.49	42.72 0.84 -1.26	42.46 0.81 -1.21	29.98 0.16 -0.34	29.71 0.22 -0.30	36.36 0.73 -0.52	57.31 1.32 -3.22	60.26 1.04 -3.62	62.95 0.67 -3.41	67.76 0.92 -3.26	59.03 1.54 -2.85	59.51 1.47 -2.62	81.43 2.01 -3.73	68.35 0.80 -2.84	59.79 0.98 -2.38	47.08 0.96 -1.56	46.47 0.53 -1.55	59.07 0.99 -2.70	65.75 1.00 -3.27	64.66 0.66 -3.08	55.36 0.88 -2.53	55.05 0.88 -2.50	53.62 1.13 -2.41	46.92 1.40 -1.95
DUNKIRK___2 23564	53.20 2.21 -2.49	42.72 0.84 -1.26	42.46 0.81 -1.21	29.98 0.16 -0.34	29.71 0.22 -0.30	36.36 0.73 -0.52	57.31 1.32 -3.22	60.26 1.04 -3.62	62.95 0.67 -3.41	67.76 0.92 -3.26	59.03 1.54 -2.85	59.51 1.47 -2.62	81.43 2.01 -3.73	68.35 0.80 -2.84	59.79 0.98 -2.38	47.08 0.96 -1.56	46.47 0.53 -1.55	59.07 0.99 -2.70	65.75 1.00 -3.27	64.66 0.66 -3.08	55.36 0.88 -2.53	55.05 0.88 -2.50	53.62 1.13 -2.41	46.92 1.40 -1.95
DUNKIRK___3 23565	52.97 1.98 -2.49	42.55 0.68 -1.26	42.30 0.64 -1.21	29.87 0.06 -0.34	29.60 0.11 -0.30	36.25 0.62 -0.52	57.05 1.06 -3.21	59.98 0.77 -3.61	62.66 0.39 -3.40	67.44 0.60 -3.25	58.74 1.26 -2.84	59.21 1.17 -2.61	81.01 1.60 -3.72	68.06 0.51 -2.83	59.46 0.65 -2.38	46.83 0.70 -1.56	46.20 0.27 -1.54	58.67 0.60 -2.69	65.27 0.53 -3.26	64.24 0.25 -3.08	54.98 0.50 -2.52	54.70 0.54 -2.49	53.29 0.80 -2.41	46.69 1.17 -1.94
DUNKIRK___4 23566	52.97 1.98 -2.49	42.55 0.68 -1.26	42.30 0.64 -1.21	29.87 0.06 -0.34	29.60 0.11 -0.30	36.25 0.62 -0.52	57.05 1.06 -3.21	59.98 0.77 -3.61	62.66 0.39 -3.40	67.44 0.60 -3.25	58.74 1.26 -2.84	59.21 1.17 -2.61	81.01 1.60 -3.72	68.06 0.51 -2.83	59.46 0.65 -2.38	46.83 0.70 -1.56	46.20 0.27 -1.54	58.67 0.60 -2.69	65.27 0.53 -3.26	64.24 0.25 -3.08	54.98 0.50 -2.52	54.70 0.54 -2.49	53.29 0.80 -2.41	46.69 1.17 -1.94
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	49.89 1.05 -0.34	42.05 1.26 -0.18	42.39 1.10 -0.84	30.43 0.96 0.00	30.22 0.99 -0.04	36.48 1.18 -0.19	54.62 1.55 -0.29	57.18 1.59 0.00	64.24 1.91 -3.47	65.82 2.14 -0.09	56.38 1.74 0.00	58.74 1.97 -1.35	80.15 2.84 -1.62	67.53 2.63 -0.18	58.62 2.19 0.00	46.26 1.70 0.00	46.18 1.79 0.00	57.92 2.55 0.00	64.16 2.67 0.00	63.11 2.19 0.00	53.63 1.67 0.00	53.24 1.56 0.00	52.39 1.53 -0.78	46.39 1.40 -1.42
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	49.61 0.81 -0.30	41.72 0.95 -0.16	42.02 0.84 -0.73	30.20 0.73 0.00	29.98 0.75 -0.03	36.16 0.88 -0.17	54.27 1.24 -0.25	56.92 1.32 0.00	60.39 1.53 0.00	65.29 1.70 0.00	56.01 1.37 0.00	58.14 1.54 -1.18	79.36 2.26 -1.42	67.00 2.13 -0.16	58.13 1.70 0.00	45.89 1.33 0.00	45.84 1.45 0.00	57.54 2.17 0.00	63.78 2.30 0.00	62.81 1.90 0.00	53.42 1.47 0.00	53.04 1.36 0.00	51.99 1.31 -0.59	45.80 1.14 -1.09
E179THST_138_KV_TB4_REV_LBMP_J 345001	50.13 1.29 -0.34	42.28 1.49 -0.18	42.56 1.27 -0.84	30.54 1.07 0.00	30.31 1.08 -0.04	36.59 1.29 -0.19	54.89 1.82 -0.29	57.61 2.01 0.00	127.95 2.37 -66.72	67.70 2.35 -1.76	56.52 1.87 0.00	58.96 2.19 -1.35	80.25 2.94 -1.62	67.67 2.78 -0.18	58.74 2.30 0.00	46.33 1.76 0.00	46.24 1.85 0.00	57.91 2.53 0.00	64.11 2.63 0.00	63.13 2.22 0.00	53.64 1.68 0.00	53.24 1.56 0.00	52.44 1.58 -0.78	46.39 1.39 -1.42



E179THST_13_KV_LOAD 356214	50.38 1.54 -0.34	42.49 1.70 -0.18	42.75 1.47 -0.84	30.68 1.21 0.00	30.45 1.21 -0.04	36.76 1.46 -0.19	55.16 2.09 -0.29	57.91 2.31 0.00	128.27 2.69 -66.72	68.04 2.70 -1.76	56.84 2.20 0.00	59.28 2.51 -1.35	80.70 3.39 -1.62	68.04 3.15 -0.18	59.07 2.64 0.00	46.59 2.03 0.00	46.51 2.12 0.00	58.24 2.87 0.00	64.48 3.00 0.00	63.51 2.60 0.00	53.95 2.00 0.00	53.54 1.86 0.00	52.72 1.86 -0.78	46.63 1.63 -1.42
EAST HAMPTON___GT 23717	48.48 0.08 0.11	41.92 1.13 -0.18	42.58 1.63 -0.50	31.07 1.61 0.00	30.89 1.66 -0.04	37.49 2.20 -0.19	55.53 2.46 -0.29	56.01 1.56 1.15	55.15 2.18 5.89	56.22 2.83 10.19	51.98 2.71 5.37	49.50 2.85 8.76	68.60 4.06 11.15	53.95 3.92 14.69	49.37 3.40 10.46	49.57 2.91 -2.10	50.20 3.02 -2.80	48.94 3.91 10.33	63.74 4.13 1.87	50.08 3.55 14.38	50.03 2.77 4.69	33.95 2.46 20.18	49.07 2.28 3.29	41.90 2.58 4.25
EAST RIVER___6 23660	50.08 1.25 -0.34	42.24 1.45 -0.18	42.56 1.28 -0.84	30.59 1.12 0.00	30.37 1.15 -0.04	36.67 1.37 -0.19	54.82 1.76 -0.29	57.43 1.84 0.00	151.48 2.25 -90.38	68.46 2.49 -2.38	56.80 2.15 0.00	59.21 2.44 -1.35	80.75 3.44 -1.62	68.08 3.19 -0.18	59.13 2.69 0.00	46.67 2.11 0.00	46.55 2.16 0.00	58.33 2.96 0.00	64.56 3.08 0.00	63.52 2.60 0.00	54.00 2.05 0.00	53.56 1.89 0.00	52.71 1.85 -0.78	46.70 1.71 -1.42
EAST RIVER___7 23524	50.08 1.25 -0.34	42.24 1.45 -0.18	42.56 1.28 -0.84	30.59 1.12 0.00	30.37 1.15 -0.04	36.67 1.37 -0.19	54.82 1.76 -0.29	57.43 1.84 0.00	151.48 2.25 -90.38	68.46 2.49 -2.38	56.80 2.15 0.00	59.21 2.44 -1.35	80.75 3.44 -1.62	68.08 3.19 -0.18	59.13 2.69 0.00	46.67 2.11 0.00	46.55 2.16 0.00	58.33 2.96 0.00	64.56 3.08 0.00	63.52 2.60 0.00	54.00 2.05 0.00	53.56 1.89 0.00	52.71 1.85 -0.78	46.70 1.71 -1.42
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	49.78 0.94 -0.34	41.93 1.14 -0.18	42.28 1.00 -0.84	30.35 0.88 0.00	30.13 0.91 -0.04	36.37 1.07 -0.19	54.50 1.43 -0.29	57.07 1.47 0.00	60.61 1.75 0.00	65.55 1.96 0.00	56.23 1.59 0.00	58.57 1.81 -1.35	79.93 2.62 -1.62	67.34 2.45 -0.18	58.45 2.02 0.00	46.13 1.56 0.00	46.06 1.67 0.00	57.77 2.40 0.00	63.98 2.50 0.00	62.96 2.05 0.00	53.50 1.54 0.00	53.11 1.43 0.00	52.27 1.41 -0.78	46.28 1.29 -1.42
EAST_HAMPTON___DIESEL 23722	48.39 0.00 0.11	41.87 1.08 -0.18	42.55 1.61 -0.50	31.07 1.61 0.00	30.90 1.67 -0.04	37.50 2.21 -0.19	55.54 2.47 -0.29	56.01 1.56 1.15	55.16 2.19 5.89	56.23 2.84 10.19	52.00 2.72 5.37	49.52 2.86 8.76	68.62 4.08 11.15	53.95 3.92 14.69	49.38 3.41 10.46	49.57 2.91 -2.10	50.22 3.03 -2.80	48.95 3.92 10.33	63.75 4.13 1.87	50.09 3.56 14.38	50.04 2.78 4.69	33.96 2.47 20.18	49.08 2.29 3.29	41.91 2.59 4.25
EAST_POINT___SOLAR 323840	51.09 2.80 0.21	42.75 2.26 0.11	42.15 2.23 0.53	31.06 1.59 0.00	30.75 1.58 0.02	36.95 1.96 0.12	55.95 3.35 0.18	59.37 3.77 0.00	62.72 3.86 0.00	67.57 3.98 0.00	58.02 3.38 0.00	57.81 3.23 0.84	78.94 4.26 1.01	67.97 3.36 0.11	59.72 3.29 0.00	47.34 2.78 0.00	47.07 2.68 0.00	58.76 3.39 0.00	65.48 4.00 0.00	64.83 3.92 0.00	55.19 3.23 0.00	54.88 3.21 0.00	52.47 2.87 0.49	45.07 2.39 0.89
EAST_PULASKI___ESR 323781	55.91 0.33 -7.09	44.34 0.13 -3.60	43.99 0.09 -3.45	30.51 0.06 -0.98	30.11 0.07 -0.85	36.78 0.18 -1.49	62.53 0.53 -9.21	67.16 0.50 -11.06	69.51 0.26 -10.39	73.57 0.02 -9.96	63.13 -0.12 -8.60	62.82 -0.30 -7.69	86.10 -0.57 -10.97	72.38 -0.69 -8.35	63.01 -0.43 -7.01	48.93 -0.32 -4.69	48.92 -0.22 -4.75	63.77 0.11 -8.29	71.90 0.37 -10.04	70.95 0.55 -9.48	60.12 0.39 -7.77	59.85 0.50 -7.67	57.75 0.26 -7.41	49.65 0.09 -5.99
EAST_RIVER___1 323558	50.08 1.24 -0.34	42.24 1.45 -0.18	42.55 1.27 -0.84	30.55 1.09 0.00	30.34 1.12 -0.04	36.64 1.35 -0.19	54.82 1.75 -0.29	57.45 1.85 0.00	151.48 2.25 -90.38	68.46 2.49 -2.38	56.75 2.11 0.00	59.13 2.36 -1.35	80.68 3.37 -1.62	67.99 3.10 -0.18	59.04 2.60 0.00	46.58 2.02 0.00	46.48 2.09 0.00	58.26 2.89 0.00	64.48 2.99 0.00	63.42 2.51 0.00	53.89 1.94 0.00	53.47 1.80 0.00	52.63 1.77 -0.78	46.61 1.61 -1.42
EAST_RIVER___2 323559	50.08 1.25 -0.34	42.24 1.45 -0.18	42.56 1.28 -0.84	30.59 1.12 0.00	30.37 1.15 -0.04	36.67 1.37 -0.19	54.82 1.76 -0.29	57.43 1.84 0.00	151.48 2.25 -90.38	68.46 2.49 -2.38	56.80 2.15 0.00	59.21 2.44 -1.35	80.75 3.44 -1.62	68.08 3.19 -0.18	59.13 2.69 0.00	46.67 2.11 0.00	46.55 2.16 0.00	58.33 2.96 0.00	64.56 3.08 0.00	63.52 2.60 0.00	54.00 2.05 0.00	53.56 1.89 0.00	52.71 1.85 -0.78	46.70 1.71 -1.42
EAST___DELAWARE_HYD 23607	48.50 -0.24 -0.24	40.77 0.04 -0.13	40.99 -0.04 -0.58	29.54 0.07 0.00	29.31 0.10 -0.03	35.33 0.09 -0.13	53.10 0.12 -0.20	55.77 0.17 0.00	59.18 0.32 0.00	64.02 0.43 0.00	54.89 0.25 0.00	56.72 0.36 -0.94	77.40 0.58 -1.13	65.57 0.73 -0.12	56.87 0.44 0.00	44.95 0.39 0.00	44.90 0.51 0.00	56.27 0.89 0.00	62.50 1.02 0.00	61.63 0.72 0.00	52.44 0.49 0.00	52.02 0.35 0.00	50.84 0.28 -0.48	44.64 0.21 -0.87
EIGHT_POINT___WT_PWR 323820	53.77 2.16 -3.12	43.26 1.06 -1.58	42.93 0.97 -1.52	30.36 0.46 -0.43	30.11 0.54 -0.37	36.81 1.05 -0.66	58.74 1.92 -4.05	62.34 1.94 -4.80	64.78 1.39 -4.53	69.31 1.39 -4.33	59.32 0.92 -3.76	59.60 0.78 -3.39	81.81 1.29 -4.83	68.93 0.54 -3.67	60.11 0.59 -3.08	47.31 0.70 -2.05	46.81 0.37 -2.05	60.18 1.22 -3.58	67.26 1.44 -4.34	66.00 0.99 -4.10	56.39 1.08 -3.35	55.78 0.79 -3.32	54.18 0.90 -3.20	47.48 1.32 -2.59
ELBRIDGE_115KV_TB2 80188	54.41 -0.18 -6.09	43.41 -0.29 -3.09	43.10 -0.31 -2.97	30.06 -0.26 -0.84	29.73 -0.19 -0.72	36.27 -0.12 -1.28	60.61 -0.11 -7.94	65.11 -0.24 -9.75	67.73 -0.29 -9.16	72.11 -0.27 -8.78	61.94 -0.25 -7.55	61.85 -0.25 -6.68	84.70 -0.52 -9.52	71.40 -0.56 -7.24	62.17 -0.35 -6.08	48.47 -0.19 -4.10	48.31 -0.26 -4.19	62.66 -0.02 -7.30	70.22 -0.11 -8.84	69.04 -0.22 -8.35	58.67 -0.12 -6.84	58.29 -0.14 -6.76	56.43 -0.18 -6.53	48.70 -0.14 -5.28
ELEC_TRO_TEK 24086	49.35 0.63 -0.24	42.03 1.23 -0.19	44.22 1.35 -2.43	30.58 1.09 -0.02	30.18 0.95 -0.04	36.50 1.19 -0.20	54.27 1.20 -0.29	56.34 0.91 0.17	65.88 1.26 -5.76	67.84 1.48 -2.78	64.43 1.24 -8.55	66.35 1.44 -9.48	82.50 2.12 -4.69	83.54 2.12 -16.71	75.51 1.68 -17.39	68.20 1.38 -22.26	68.71 1.50 -22.82	96.95 2.25 -39.32	169.69 2.36 -105.84	111.21 1.82 -48.48	92.41 1.41 -39.04	74.90 1.23 -21.99	59.36 1.29 -7.99	73.81 1.59 -28.66
ELLENBURG_WT_PWR 323604	49.92 1.43 0.00	41.71 1.10 0.00	41.48 1.03 0.00	30.15 0.68 0.00	29.66 0.47 0.00	35.68 0.57 0.00	53.17 0.39 0.00	55.66 0.06 0.00	58.72 -0.14 0.00	63.28 -0.31 0.00	54.31 -0.33 0.00	54.90 -0.52 0.00	75.05 -0.64 0.00	64.17 -0.55 0.00	55.80 -0.63 0.00	44.04 -0.52 0.00	43.78 -0.61 0.00	54.36 -1.01 0.00	60.63 -0.86 0.00	60.23 -0.69 0.00	51.48 -0.48 0.00	52.06 0.38 0.00	51.14 1.06 0.00	44.48 0.92 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	52.79 1.85 -2.45	42.44 0.59 -1.24	42.21 0.58 -1.19	29.79 -0.02 -0.34	29.50 0.01 -0.29	36.19 0.57 -0.52	56.63 0.68 -3.17	59.56 0.42 -3.54	62.32 0.12 -3.34	67.06 0.28 -3.19	58.49 1.06 -2.79	58.92 0.93 -2.57	80.62 1.27 -3.66	67.86 0.37 -2.78	59.17 0.40 -2.34	46.56 0.46 -1.53	45.90 0.00 -1.51	58.07 0.06 -2.64	64.49 -0.19 -3.19	63.72 -0.21 -3.02	54.47 0.04 -2.47	54.29 0.17 -2.44	52.88 0.44 -2.36	46.52 1.04 -1.91
EMPIRE_CC_1 323656	47.47 -0.55 0.48	40.09 -0.26 0.25	38.86 -0.41 1.18	29.33 -0.13 0.00	29.04 -0.11 0.05	34.66 -0.18 0.27	51.78 -0.60 0.41	54.98 -0.62 0.00	58.39 -0.47 0.00	63.08 -0.51 0.00	54.02 -0.63 0.00	52.91 -0.61 1.90	72.69 -0.73 2.28	64.06 -0.40 0.25	56.08 -0.35 0.00	44.28 -0.29 0.00	44.14 -0.25 0.00	55.30 -0.07 0.00	60.94 -0.55 0.00	60.23 -0.68 0.00	51.41 -0.55 0.00	51.12 -0.55 0.00	48.41 -0.58 1.09	41.14 -0.43 2.00
EMPIRE_CC_2 323658	47.47 -0.55 0.48	40.09 -0.26 0.25	38.86 -0.41 1.18	29.33 -0.13 0.00	29.04 -0.11 0.05	34.66 -0.18 0.27	51.78 -0.60 0.41	54.98 -0.62 0.00	58.39 -0.47 0.00	63.08 -0.51 0.00	54.02 -0.63 0.00	52.91 -0.61 1.90	72.69 -0.73 2.28	64.06 -0.40 0.25	56.08 -0.35 0.00	44.28 -0.29 0.00	44.14 -0.25 0.00	55.30 -0.07 0.00	60.94 -0.55 0.00	60.23 -0.68 0.00	51.41 -0.55 0.00	51.12 -0.55 0.00	48.41 -0.58 1.09	41.14 -0.43 2.00
ENORWICH_115KV_TB1 80156	54.45 2.93 -3.02	44.35 2.21 -1.53	44.13 2.22 -1.47	31.46 1.57 -0.42	31.19 1.64 -0.36	37.93 2.19 -0.64	60.48 3.77 -3.93	64.31 3.98 -4.73	67.17 3.85 -4.45	71.88 4.05 -4.24	61.61 3.31 -3.66	62.07 3.36 -3.28	85.28 4.91 -4.68	72.00 3.72 -3.56	62.57 3.15 -2.99	49.07 2.51 -2.00	49.04 2.63 -2.02	63.04 4.15 -3.52	70.36 4.61 -4.27	69.39 4.45 -4.03	58.92 3.67 -3.30	58.00 3.07 -3.26	55.76 2.53 -3.15	48.27 2.16 -2.55
ERIE_ST__34_KV_TB1-2 80199	52.93 1.96 -2.47	42.52 0.66 -1.26	42.30 0.65 -1.21	29.87 0.06 -0.34	29.58 0.09 -0.29	36.30 0.68 -0.52	56.92 0.94 -3.20	60.03 0.81 -3.62	62.80 0.53 -3.41	67.57 0.72 -3.25	58.90 1.41 -2.84	59.41 1.37 -2.62	81.36 1.95 -3.73	68.42 0.87 -2.84	59.66 0.84 -2.38	47.01 0.88 -1.56	46.35 0.41 -1.55	58.74 0.67 -2.69	65.28 0.53 -3.26	64.42 0.43 -3.08	55.04 0.56 -2.52	54.77 0.61 -2.49	53.29 0.80 -2.41	46.76 1.24 -1.95
ERIE_WT_PWR 323693	53.04 2.08 -2.47	42.64 0.78 -1.25	42.39 0.75 -1.20	29.93 0.12 -0.34	29.64 0.15 -0.29	36.36 0.73 -0.52	56.93 0.96 -3.19	60.00 0.80 -3.61	62.75 0.49 -3.40	67.54 0.70 -3.24	58.83 1.35 -2.84	59.26 1.23 -2.61	81.16 1.75 -3.72	68.25 0.71 -2.83	59.49 0.68 -2.38	46.80 0.68 -1.56	46.18 0.24 -1.54	58.49 0.43 -2.69	65.01 0.27 -3.25	64.19 0.21 -3.07	54.87 0.40 -2.51	54.71 0.55 -2.49	53.25 0.77 -2.40	46.76 1.25 -1.94
ESPRGFLD_115KV_TB1 80157	51.42 2.38 -0.55	42.81 1.92 -0.28	42.39 1.93 -0.01	30.90 1.34 -0.09	30.57 1.31 -0.07	36.76 1.58 -0.07	56.29 2.74 -0.78	59.67 3.01 -1.06	62.88 3.02 -1.00	67.73 3.19 -0.95	58.17 2.70 -0.82	58.39 2.74 -0.23	79.93 3.80 -0.44	68.56 3.11 -0.73	59.85 2.74 -0.67	47.26 2.25 -0.45	47.05 2.20 -0.46	59.01 2.85 -0.79	65.50 3.05 -0.96	64.74 2.92 -0.90	55.18 2.48 -0.74	54.87 2.46 -0.73	52.71 2.22 -0.41	45.49 1.89 -0.03
ETNA_115_KV_TB1_REV_LBMP_C 345029	53.40 0.93 -3.98	43.20 0.57 -2.02	42.96 0.58 -1.93	30.40 0.38 -0.55	30.10 0.44 -0.47	36.58 0.64 -0.84	59.13 1.18 -5.17	63.08 1.24 -6.24	65.88 1.14 -5.88	70.46 1.26 -5.61	60.47 0.98 -4.84	60.65 0.90 -4.33	83.17 1.31 -6.17	70.31 0.90 -4.69	61.17 0.79 -3.94	47.85 0.65 -2.64	47.76 0.70 -2.67	61.30 1.27 -4.66	68.66 1.53 -5.64	67.63 1.40 -5.32	57.57 1.26 -4.36	57.07 1.09 -4.31	55.22 0.98 -4.16	47.77 0.83 -3.37
ETNA____115KV_TB2 80207	53.40 0.93 -3.98	43.20 0.57 -2.02	42.96 0.58 -1.93	30.40 0.38 -0.55	30.10 0.44 -0.47	36.58 0.64 -0.84	59.13 1.18 -5.17	63.08 1.24 -6.24	65.88 1.14 -5.88	70.46 1.26 -5.61	60.47 0.98 -4.84	60.65 0.90 -4.33	83.17 1.31 -6.17	70.31 0.90 -4.69	61.17 0.79 -3.94	47.85 0.65 -2.64	47.76 0.70 -2.67	61.30 1.27 -4.66	68.66 1.53 -5.64	67.63 1.40 -5.32	57.57 1.26 -4.36	57.07 1.09 -4.31	55.22 0.98 -4.16	47.77 0.83 -3.37
EUCLID__115KV_TB2 356179	51.78 -0.43 -3.72	42.01 -0.48 -1.89	41.77 -0.48 -1.81	29.60 -0.38 -0.52	29.28 -0.35 -0.44	35.54 -0.35 -0.78	57.20 -0.41 -4.83	61.05 -0.34 -5.79	63.95 -0.32 -5.41	68.29 -0.56 -5.25	58.74 -0.44 -4.54	59.00 -0.46 -4.04	80.77 -0.69 -5.77	68.40 -0.70 -4.39	59.56 -0.56 -3.68	46.65 -0.38 -2.47	46.56 -0.34 -2.51	59.50 -0.23 -4.36	66.40 -0.35 -5.27	65.46 -0.43 -4.98	55.68 -0.34 -4.08	55.32 -0.38 -4.03	53.54 -0.43 -3.89	46.34 -0.37 -3.14
E_CANADA_CAP_HY 24051	50.92 2.62 0.19	42.61 2.10 0.10	42.05 2.08 0.47	30.93 1.46 0.00	30.59 1.42 0.02	36.73 1.73 0.11	55.56 2.95 0.16	58.87 3.27 0.00	62.20 3.33 0.00	67.04 3.45 0.00	57.55 2.91 0.00	57.53 2.87 0.76	78.66 3.88 0.91	67.79 3.18 0.10	59.34 2.90 0.00	46.95 2.39 0.00	46.71 2.33 0.00	58.20 2.82 0.00	64.65 3.17 0.00	64.02 3.10 0.00	54.54 2.58 0.00	54.33 2.66 0.00	52.08 2.43 0.44	44.84 2.07 0.80
E_CANADA_MHWK_HY 24050	48.34 -0.16 0.00	40.74 0.13 0.00	40.59 0.15 0.00	29.79 0.32 0.00	29.55 0.36 0.00	35.53 0.42 0.00	53.48 0.70 0.00	56.36 0.76 0.00	59.68 0.82 0.00	64.44 0.84 0.00	55.09 0.45 0.00	55.80 0.38 0.00	76.54 0.85 0.00	65.66 0.95 0.00	57.24 0.81 0.00	45.15 0.58 0.00	45.21 0.82 0.00	57.01 1.64 0.00	62.72 1.24 0.00	61.45 0.54 0.00	52.31 0.36 0.00	51.93 0.26 0.00	50.00 -0.08 0.00	43.32 -0.24 0.00
E_FISHKILL__LBMP 23776	49.27 0.43 -0.35	41.49 0.69 -0.19	41.89 0.58 -0.87	30.04 0.58 0.00	29.82 0.59 -0.04	35.97 0.66 -0.20	53.90 0.82 -0.30	56.43 0.83 0.00	59.92 1.06 0.00	64.79 1.20 0.00	55.55 0.90 0.00	57.88 1.06 -1.39	78.93 1.57 -1.67	66.46 1.56 -0.18	57.68 1.25 0.00	45.53 0.97 0.00	45.45 1.05 0.00	56.99 1.61 0.00	63.07 1.58 0.00	62.13 1.22 0.00	52.88 0.92 0.00	52.52 0.85 0.00	51.71 0.83 -0.81	45.80 0.77 -1.47
FALCON__SEABRD_CC1 323796	50.39 1.89 0.00	42.12 1.52 0.00	41.87 1.43 0.00	30.48 1.01 0.00	29.96 0.77 0.00	35.94 0.83 0.00	52.89 0.11 0.00	54.80 -0.80 0.00	57.84 -1.02 0.00	62.23 -1.36 0.00	53.31 -1.33 0.00	53.82 -1.60 0.00	73.67 -2.02 0.00	63.08 -1.64 0.00	54.82 -1.62 0.00	43.23 -1.33 0.00	43.01 -1.38 0.00	53.46 -1.92 0.00	59.49 -2.00 0.00	58.92 -1.99 0.00	50.56 -1.39 0.00	52.05 0.38 0.00	51.74 1.66 0.00	45.04 1.48 0.00
FALCON__SEABRD_CC2 323797	50.39 1.89 0.00	42.12 1.52 0.00	41.87 1.43 0.00	30.48 1.01 0.00	29.96 0.77 0.00	35.94 0.83 0.00	52.89 0.11 0.00	54.80 -0.80 0.00	57.84 -1.02 0.00	62.23 -1.36 0.00	53.31 -1.33 0.00	53.82 -1.60 0.00	73.67 -2.02 0.00	63.08 -1.64 0.00	54.82 -1.62 0.00	43.23 -1.33 0.00	43.01 -1.38 0.00	53.46 -1.92 0.00	59.49 -2.00 0.00	58.92 -1.99 0.00	50.56 -1.39 0.00	52.05 0.38 0.00	51.74 1.66 0.00	45.04 1.48 0.00



FAR ROCKAWAY___4 23548	50.20 1.41 -0.30	42.72 1.91 -0.19	47.62 2.00 -5.17	31.08 1.56 -0.06	30.65 1.42 -0.04	37.09 1.78 -0.21	55.14 2.06 -0.30	57.50 1.76 -0.14	70.00 2.07 -9.08	78.51 2.44 -12.48	78.00 2.09 -21.26	83.19 2.36 -25.42	95.15 3.30 -16.16	112.16 2.98 -44.46	102.24 2.57 -43.23	91.80 2.20 -45.03	92.58 2.31 -45.88	147.63 3.24 -89.02	288.83 3.43 -223.91	174.61 2.87 -110.82	138.97 2.30 -84.71	111.29 2.07 -57.55	75.02 2.09 -22.85	124.23 2.30 -78.36
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	50.12 1.28 -0.34	42.25 1.46 -0.18	42.55 1.27 -0.84	30.57 1.10 0.00	30.36 1.14 -0.04	36.65 1.36 -0.19	54.87 1.80 -0.29	57.50 1.90 0.00	146.88 2.28 -85.73	68.37 2.52 -2.26	56.77 2.13 0.00	59.15 2.38 -1.35	80.73 3.42 -1.62	68.01 3.12 -0.18	59.06 2.62 0.00	46.59 2.03 0.00	46.50 2.10 0.00	58.30 2.92 0.00	64.53 3.04 0.00	63.45 2.54 0.00	53.89 1.94 0.00	53.50 1.83 0.00	52.65 1.79 0.00	46.66 1.67 -1.42
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	50.13 1.30 -0.34	42.28 1.50 -0.18	42.58 1.30 -0.84	30.58 1.11 0.00	30.37 1.15 -0.04	36.66 1.36 -0.19	54.89 1.82 -0.29	57.52 1.92 0.00	146.91 2.31 -85.73	68.38 2.53 -2.26	56.78 2.14 0.00	59.16 2.39 -1.35	80.73 3.42 -1.62	68.03 3.14 -0.18	59.06 2.63 0.00	46.60 2.04 0.00	46.51 2.11 0.00	58.31 2.94 0.00	64.54 3.06 0.00	63.48 2.56 0.00	53.93 1.97 0.00	53.52 1.85 0.00	52.68 1.82 0.00	46.64 1.65 -1.42
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	50.07 1.23 -0.34	42.23 1.44 -0.18	42.54 1.25 -0.84	30.55 1.08 0.00	30.34 1.12 -0.04	36.62 1.32 -0.19	54.83 1.76 -0.29	57.47 1.87 0.00	146.85 2.26 -85.73	68.33 2.48 -2.26	56.74 2.09 0.00	59.12 2.35 -1.35	80.67 3.36 -1.62	67.97 3.07 -0.18	59.01 2.58 0.00	46.56 2.00 0.00	46.46 2.07 0.00	58.26 2.88 0.00	64.47 2.98 0.00	63.39 2.48 0.00	53.85 1.89 0.00	53.46 1.78 0.00	52.61 1.75 0.00	46.59 1.60 -1.42
FARRAGUT___LBMP 323566	50.03 1.19 -0.34	42.20 1.41 -0.18	42.51 1.23 -0.84	30.52 1.06 0.00	30.31 1.09 -0.04	36.59 1.29 -0.19	54.78 1.71 -0.29	57.41 1.81 0.00	146.78 2.19 -85.73	68.25 2.40 -2.26	56.67 2.03 0.00	59.04 2.27 -1.35	80.57 3.27 -1.62	67.88 2.99 -0.18	58.94 2.51 0.00	46.50 1.94 0.00	46.41 2.02 0.00	58.19 2.81 0.00	64.40 2.92 0.00	63.33 2.42 0.00	53.79 1.84 0.00	53.40 1.73 0.00	52.56 1.70 0.00	46.55 1.55 -1.42
FENNER___WINDPWR 24204	52.65 1.34 -2.82	43.05 1.01 -1.43	42.80 0.99 -1.37	30.56 0.71 -0.39	30.26 0.74 -0.33	36.69 0.99 -0.59	58.22 1.78 -3.67	62.01 2.03 -4.39	64.99 2.05 -4.09	69.38 1.79 -3.99	59.57 1.48 -3.45	60.00 1.50 -3.07	82.20 2.14 -4.38	69.77 1.73 -3.33	60.76 1.53 -2.80	47.58 1.14 -1.88	47.67 1.37 -1.91	60.57 1.79 -3.41	67.70 2.04 -4.17	66.89 2.04 -3.94	56.84 1.66 -3.22	56.36 1.50 -3.19	54.46 1.31 -3.08	47.06 1.00 -2.49
FIBERTEK___ENERGY 23856	54.37 -0.02 -5.89	43.45 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.72 0.09 -8.77	72.01 -0.02 -8.42	61.84 -0.06 -7.25	61.77 -0.08 -6.43	84.49 -0.38 -9.17	71.17 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.34 -0.03 -7.00	69.85 -0.11 -8.48	68.71 -0.20 -8.01	58.43 -0.08 -6.56	58.14 -0.01 -6.48	56.37 0.03 -6.26	48.63 0.00 -5.06
FITZPATRICK___ 23598	15.48 -1.25 31.77	23.35 -1.13 16.12	23.86 -1.13 15.45	24.21 -0.86 4.40	24.59 -0.82 3.79	27.50 -0.92 6.68	10.16 -1.35 41.27	4.75 -1.44 49.42	10.77 -1.55 46.54	17.52 -1.67 44.39	14.88 -1.41 38.35	19.58 -1.44 34.40	24.62 -2.01 49.06	25.60 -1.79 37.32	23.58 -1.52 31.34	22.47 -1.16 20.93	22.10 -1.14 21.14	17.13 -1.26 36.98	15.17 -1.49 44.82	17.04 -1.53 42.34	16.01 -1.28 34.67	16.11 -1.30 34.26	15.69 -1.29 33.10	15.68 -1.12 26.76
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	49.99 1.17 -0.33	42.03 1.25 -0.17	42.38 1.14 -0.80	30.43 0.96 0.00	30.19 0.97 -0.03	36.45 1.16 -0.18	54.69 1.64 -0.28	57.36 1.76 0.00	60.91 2.05 0.00	65.86 2.27 0.00	56.50 1.86 0.00	58.74 2.04 -1.28	80.16 2.94 -1.54	67.61 2.72 -0.17	58.67 2.24 0.00	46.33 1.76 0.00	46.27 1.88 0.00	58.06 2.69 0.00	64.31 2.82 0.00	63.37 2.46 0.00	53.90 1.94 0.00	53.48 1.81 0.00	52.37 1.69 0.00	46.12 1.47 -1.09
FORT ORANGE___ 23900	47.14 -1.10 0.26	39.77 -0.70 0.14	39.10 -0.72 0.63	29.05 -0.42 0.00	28.77 -0.39 0.03	34.44 -0.53 0.14	51.48 -1.08 0.22	54.49 -1.11 0.00	57.89 -0.97 0.00	62.52 -1.08 0.00	53.61 -1.03 0.00	53.40 -1.01 1.01	73.12 -1.35 1.22	63.63 -0.95 0.13	55.48 -0.95 0.00	43.80 -0.77 0.00	43.70 -0.69 0.00	54.75 -0.63 0.00	60.42 -1.07 0.00	59.75 -1.16 0.00	50.99 -0.96 0.00	50.76 -0.91 0.00	48.51 -0.98 0.59	41.63 -0.87 1.07
FORT_DRUM_COGEN 23780	54.98 3.06 -3.42	44.66 2.31 -1.74	44.33 2.22 -1.67	31.54 1.59 -0.48	31.21 1.61 -0.41	37.94 2.11 -0.72	60.92 3.69 -4.45	64.67 3.74 -5.33	67.08 3.22 -5.00	71.20 2.79 -4.82	60.78 1.97 -4.16	60.45 1.31 -3.72	82.38 1.39 -5.30	69.68 0.93 -4.03	60.98 1.16 -3.39	47.70 0.87 -2.27	48.01 1.33 -2.30	61.94 2.54 -4.03	70.09 3.72 -4.88	69.86 4.33 -4.61	59.06 3.33 -3.78	58.78 3.37 -3.73	56.40 2.71 -3.61	48.46 1.98 -2.91
FOX_HILLS___ESR 323835	38.88 1.70 11.32	35.17 1.82 7.26	35.31 1.63 6.76	28.39 1.25 2.33	23.27 1.45 7.37	23.15 1.62 13.57	41.15 2.19 13.82	42.07 2.33 15.85	31.50 2.88 30.24	34.42 3.20 32.37	26.52 2.65 30.77	38.70 2.92 19.64	45.55 3.78 33.92	48.53 3.47 19.66	34.89 3.08 24.62	40.16 2.34 6.75	40.51 2.40 6.27	42.18 3.03 16.23	42.24 3.01 22.25	38.75 2.81 24.97	42.39 2.25 11.82	41.28 2.14 12.53	42.03 2.11 10.15	37.66 1.69 7.60
FPL_FAR_ROCK_GT1 24212	50.21 1.42 -0.30	42.72 1.91 -0.20	47.57 1.95 -5.17	31.02 1.50 -0.06	30.65 1.42 -0.04	37.09 1.78 -0.21	55.13 2.05 -0.30	57.49 1.75 -0.14	69.99 2.05 -9.08	78.48 2.41 -12.48	78.01 2.11 -21.26	83.13 2.29 -25.42	95.11 3.26 -16.16	112.18 3.00 -44.46	102.24 2.58 -43.23	91.80 2.21 -45.03	92.58 2.31 -45.88	147.63 3.24 -89.02	288.75 3.36 -223.91	174.60 2.87 -110.82	138.97 2.31 -84.71	111.27 2.05 -57.55	75.01 2.08 -22.85	124.24 2.31 -78.36
FPL_FAR_ROCK_GT2 23815	50.21 1.42 -0.30	42.72 1.91 -0.20	47.57 1.95 -5.17	31.02 1.50 -0.06	30.65 1.42 -0.04	37.09 1.78 -0.21	55.13 2.05 -0.30	57.49 1.75 -0.14	69.99 2.05 -9.08	78.48 2.41 -12.48	78.01 2.11 -21.26	83.13 2.29 -25.42	95.11 3.26 -16.16	112.18 3.00 -44.46	102.24 2.58 -43.23	91.80 2.21 -45.03	92.58 2.31 -45.88	147.63 3.24 -89.02	288.75 3.36 -223.91	174.60 2.87 -110.82	138.97 2.31 -84.71	111.27 2.05 -57.55	75.01 2.08 -22.85	124.24 2.31 -78.36
FRANKLIN_FALL_HYD 24054	50.56 2.06 0.00	42.17 1.56 0.00	41.91 1.47 0.00	30.43 0.96 0.00	29.97 0.78 0.00	36.12 1.02 0.00	54.12 1.34 0.00	56.91 1.31 0.00	59.98 1.12 0.00	64.50 0.91 0.00	55.30 0.66 0.00	55.94 0.52 0.00	76.48 0.79 0.00	65.28 0.56 0.00	56.80 0.36 0.00	44.73 0.17 0.00	44.46 0.07 0.00	55.29 -0.08 0.00	61.89 0.40 0.00	61.66 0.75 0.00	52.73 0.77 0.00	53.09 1.42 0.00	51.90 1.82 0.00	45.06 1.49 0.00



FRESHKLS_33_KV_LOAD	356253	39.09	35.38	35.55	28.53	23.41	23.32	41.33	42.24	31.74	34.70	26.79	38.96	45.88	48.80	35.14	40.37	40.72	42.40	42.38	38.95	42.61	41.52	42.24	37.76
		1.91	2.02	1.87	1.39	1.58	1.79	2.37	2.50	3.12	3.47	2.91	3.17	4.10	3.74	3.32	2.55	2.60	3.25	3.14	3.01	2.47	2.38	2.31	1.79
		11.32	7.26	6.76	2.33	7.37	13.57	13.82	15.85	30.24	32.37	30.77	19.64	33.92	19.66	24.62	6.75	6.27	16.23	22.25	24.97	11.82	12.53	10.15	7.60
FULTON COGEN____	23766	51.65	42.00	41.74	29.64	29.33	35.60	57.08	60.81	63.75	68.16	58.62	58.92	80.56	68.26	59.47	46.62	46.55	59.45	66.33	65.44	55.67	55.28	53.49	46.28
		-0.29	-0.36	-0.38	-0.30	-0.27	-0.23	-0.17	-0.14	-0.11	-0.29	-0.21	-0.24	-0.47	-0.51	-0.37	-0.22	-0.16	0.05	-0.02	-0.07	-0.06	-0.12	-0.19	-0.19
		-3.44	-1.74	-1.67	-0.48	-0.41	-0.72	-4.47	-5.35	-5.01	-4.86	-4.19	-3.74	-5.33	-4.06	-3.40	-2.28	-2.32	-4.03	-4.87	-4.60	-3.77	-3.72	-3.59	-2.91
FULTON____LFGE	323630	50.59	42.41	41.78	30.83	30.52	36.65	55.35	58.74	62.16	67.00	57.47	57.24	78.34	67.65	59.22	46.88	46.74	58.38	64.83	64.15	54.66	54.36	51.98	44.67
		2.32	1.92	1.88	1.36	1.35	1.66	2.76	3.14	3.29	3.41	2.82	2.69	3.69	3.05	2.79	2.32	2.35	3.01	3.35	3.24	2.70	2.69	2.40	2.01
		0.22	0.12	0.54	0.00	0.02	0.12	0.19	0.00	0.00	0.00	0.00	0.86	1.04	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.91	
G.F.CEMENT____DRP	24184	49.60	41.69	40.93	30.56	30.31	36.30	54.30	57.53	61.07	65.91	56.56	55.86	76.69	66.92	58.50	46.17	46.06	57.85	64.09	63.46	54.05	53.56	50.97	43.52
		1.44	1.27	1.33	1.09	1.15	1.38	1.81	1.93	2.21	2.32	1.92	1.79	2.62	2.38	2.07	1.61	1.67	2.48	2.61	2.55	2.09	1.89	1.67	1.38
		0.34	0.18	0.84	0.00	0.04	0.19	0.29	0.00	0.00	0.00	0.00	1.35	1.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.42	
GARDENVILLE____LBMP	24039	52.87	42.49	42.25	29.83	29.54	36.23	56.76	59.90	62.60	67.30	58.56	58.97	80.74	67.95	59.22	46.61	45.97	58.29	64.78	63.97	54.69	54.50	53.07	46.66
		1.90	0.62	0.61	0.02	0.05	0.60	0.78	0.57	0.23	0.35	0.99	0.86	1.22	0.32	0.34	0.44	-0.01	0.13	-0.07	-0.12	0.14	0.26	0.50	1.08
		-2.47	-1.26	-1.20	-0.34	-0.29	-0.52	-3.20	-3.73	-3.52	-3.36	-2.93	-2.69	-3.83	-2.92	-2.45	-1.61	-1.59	-2.78	-3.36	-3.18	-2.60	-2.57	-2.48	-2.01
GARDNVLA_35_KV_LD	355827	53.26	42.81	42.55	30.03	29.74	36.47	57.15	60.21	63.01	67.81	59.08	59.47	81.45	68.55	59.77	47.03	46.41	58.77	65.29	64.49	55.10	54.89	53.42	46.89
		2.30	0.95	0.91	0.22	0.25	0.84	1.18	1.02	0.77	0.99	1.62	1.45	2.06	1.02	0.98	0.92	0.49	0.73	0.58	0.53	0.65	0.75	0.95	1.39
		-2.47	-1.25	-1.20	-0.34	-0.29	-0.52	-3.19	-3.59	-3.38	-3.23	-2.82	-2.59	-3.70	-2.81	-2.36	-1.55	-1.53	-2.67	-3.23	-3.05	-2.50	-2.47	-2.39	-1.93
GELCKHM__115KV_LOAD	80723	52.72	42.54	42.27	29.80	29.47	35.83	58.42	62.49	65.30	69.63	59.87	60.01	82.11	69.40	60.40	47.23	47.15	60.54	67.64	66.63	56.68	56.34	54.58	47.19
		-0.27	-0.35	-0.36	-0.29	-0.26	-0.23	-0.20	-0.18	-0.18	-0.35	-0.28	-0.31	-0.57	-0.63	-0.49	-0.33	-0.29	-0.14	-0.26	-0.34	-0.25	-0.24	-0.24	-0.21
		-4.49	-2.28	-2.19	-0.62	-0.54	-0.94	-5.84	-7.07	-6.62	-6.39	-5.51	-4.90	-6.98	-5.31	-4.46	-3.00	-3.05	-5.31	-6.42	-6.07	-4.97	-4.91	-4.74	-3.83
GENERAL____MILLS	23808	53.02	42.61	42.38	29.91	29.62	36.33	56.91	59.95	62.71	67.48	58.79	59.20	81.08	68.21	59.49	46.80	46.16	58.45	64.95	64.15	54.84	54.64	53.19	46.73
		2.05	0.75	0.73	0.10	0.13	0.70	0.93	0.75	0.45	0.64	1.31	1.17	1.67	0.66	0.68	0.68	0.23	0.39	0.22	0.17	0.37	0.48	0.71	1.22
		-2.47	-1.25	-1.20	-0.34	-0.29	-0.52	-3.19	-3.61	-3.40	-3.24	-2.84	-2.61	-3.72	-2.83	-2.38	-1.56	-1.54	-2.69	-3.25	-3.07	-2.51	-2.49	-2.40	-1.94
GE_PLASTICS____DRP	24183	47.25	39.85	39.32	29.11	28.83	34.49	51.61	54.54	57.89	62.56	53.65	53.68	73.51	63.71	55.56	43.86	43.73	54.72	60.41	59.75	51.03	50.78	48.71	41.94
		-1.04	-0.65	-0.64	-0.36	-0.34	-0.50	-1.00	-1.06	-0.97	-1.03	-1.00	-0.96	-1.24	-0.90	-0.88	-0.70	-0.66	-0.64	-1.07	-1.17	-0.93	-0.89	-0.92	-0.80
		0.20	0.11	0.49	0.00	0.02	0.11	0.17	0.00	0.00	0.00	0.00	0.78	0.94	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.83	
GILBOA____1	23756	48.51	40.95	41.03	29.98	29.71	35.40	52.98	55.80	59.16	63.92	54.86	55.70	76.15	65.22	56.82	44.88	44.74	56.02	61.44	60.66	51.99	51.87	50.27	43.75
		0.02	0.34	0.58	0.51	0.51	0.30	0.20	0.19	0.30	0.33	0.21	0.27	0.46	0.50	0.39	0.32	0.35	0.65	-0.05	-0.25	0.04	0.20	0.18	0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GILBOA____2	23757	48.51	40.95	41.03	29.98	29.71	35.40	52.98	55.80	59.16	63.92	54.86	55.70	76.15	65.22	56.82	44.88	44.74	56.02	61.44	60.66	51.99	51.87	50.27	43.75
		0.02	0.34	0.58	0.51	0.51	0.30	0.20	0.19	0.30	0.33	0.21	0.27	0.46	0.50	0.39	0.32	0.35	0.65	-0.05	-0.25	0.04	0.20	0.18	0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GILBOA____3	23758	48.51	40.95	41.03	29.98	29.71	35.40	52.98	55.80	59.16	63.92	54.86	55.70	76.15	65.22	56.82	44.88	44.74	56.02	61.44	60.66	51.99	51.87	50.27	43.75
		0.02	0.34	0.58	0.51	0.51	0.30	0.20	0.19	0.30	0.33	0.21	0.27	0.46	0.50	0.39	0.32	0.35	0.65	-0.05	-0.25	0.04	0.20	0.18	0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GILBOA____4	23759	48.51	40.95	41.03	29.98	29.71	35.40	52.98	55.80	59.16	63.92	54.86	55.70	76.15	65.22	56.82	44.88	44.74	56.02	61.44	60.66	51.99	51.87	50.27	43.75
		0.02	0.34	0.58	0.51	0.51	0.30	0.20	0.19	0.30	0.33	0.21	0.27	0.46	0.50	0.39	0.32	0.35	0.65	-0.05	-0.25	0.04	0.20	0.18	0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



GILBOA____ 23599	48.51 0.02 0.00	40.95 0.34 0.00	41.03 0.59 0.00	29.98 0.51 0.00	29.71 0.52 0.00	35.40 0.30 0.00	52.98 0.20 0.00	55.80 0.20 0.00	59.16 0.29 0.00	63.92 0.34 0.00	54.85 0.21 0.00	55.70 0.27 0.00	76.17 0.47 0.00	65.22 0.50 0.00	56.82 0.39 0.00	44.88 0.31 0.00	44.75 0.35 0.00	56.02 0.65 0.00	61.44 -0.05 0.00	60.66 -0.25 0.00	52.00 0.04 0.00	51.88 0.20 0.00	50.27 0.18 0.00	43.75 0.18 0.00
GINNA____ 23603	49.42 -1.36 -2.29	40.23 -1.54 -1.16	39.98 -1.58 -1.11	28.46 -1.33 -0.32	28.19 -1.28 -0.27	34.33 -1.26 -0.48	54.03 -1.71 -2.96	57.06 -1.83 -3.29	59.86 -2.10 -3.09	64.38 -2.16 -2.95	55.76 -1.48 -2.59	56.26 -1.56 -2.40	76.90 -2.22 -3.43	65.20 -2.12 -2.61	56.84 -1.78 -2.19	44.67 -1.33 -1.43	44.45 -1.35 -1.41	56.47 -1.35 -2.45	62.74 -1.70 -2.96	62.02 -1.69 -2.80	52.76 -1.48 -2.29	52.39 -1.55 -2.27	50.70 -1.57 -2.19	44.06 -1.27 -1.77
GLEN PARK____ 23778	55.38 3.30 -3.59	44.92 2.49 -1.82	44.59 2.40 -1.74	31.68 1.72 -0.50	31.36 1.74 -0.43	38.14 2.28 -0.75	61.43 3.98 -4.66	65.23 4.05 -5.59	67.59 3.48 -5.25	71.65 3.01 -5.05	61.12 2.12 -4.36	60.68 1.37 -3.89	82.63 1.39 -5.55	69.81 0.88 -4.22	61.19 1.21 -3.55	47.81 0.88 -2.37	48.24 1.44 -2.40	62.39 2.81 -4.21	70.72 4.12 -5.11	70.54 4.80 -4.83	59.63 3.72 -3.95	59.33 3.75 -3.91	56.90 3.05 -3.77	48.86 2.24 -3.05
GLENDALE_27_KV_LOAD 356172	50.34 1.50 -0.34	42.45 1.66 -0.18	42.74 1.46 -0.84	30.68 1.21 0.00	30.52 1.29 -0.04	36.81 1.51 -0.19	55.13 2.06 -0.29	57.83 2.23 0.00	128.23 2.65 -66.72	68.24 2.89 -1.76	57.02 2.37 0.00	59.43 2.66 -1.35	80.98 3.68 -1.62	68.26 3.36 -0.18	59.26 2.82 0.00	46.72 2.16 0.00	46.61 2.22 0.00	58.38 3.00 0.00	64.61 3.12 0.00	63.58 2.66 0.00	53.99 2.04 0.00	53.62 1.94 0.00	52.76 1.90 -0.78	46.68 1.68 -1.42
GLENWOOD_IC_1_G5 23712	49.72 1.04 -0.19	42.22 1.43 -0.18	43.42 1.43 -1.55	30.64 1.16 -0.01	30.33 1.10 -0.04	36.66 1.36 -0.19	54.70 1.63 -0.29	56.38 1.12 0.35	64.04 1.51 -3.67	64.36 1.77 1.01	60.04 1.49 -3.90	60.97 1.73 -3.82	78.04 2.55 0.21	73.09 2.47 -5.91	66.00 2.01 -7.56	60.51 1.60 -14.35	60.95 1.70 -14.86	78.91 2.47 -21.07	129.15 2.56 -65.10	88.46 2.07 -25.48	76.10 1.56 -22.58	61.29 1.40 -8.22	54.85 1.64 -3.12	57.84 1.77 -12.50
GLENWOOD_IC_2_G1 23688	49.75 0.91 -0.34	42.06 1.27 -0.18	42.50 1.22 -0.84	30.48 1.01 0.00	30.22 0.99 -0.04	36.50 1.20 -0.19	54.52 1.45 -0.29	56.92 1.32 0.00	68.36 1.65 -7.85	65.68 1.88 -0.21	56.35 1.57 -0.13	58.66 1.77 -1.47	79.92 2.60 -1.63	67.60 2.47 -0.41	58.71 2.01 -0.27	46.58 1.61 -0.40	46.51 1.72 -0.41	58.48 2.46 -0.65	65.90 2.55 -1.86	63.79 2.08 -0.79	54.21 1.59 -0.66	53.44 1.45 -0.32	52.33 1.47 -0.78	46.50 1.50 -1.43
GLENWOOD_IC_3_G1 23689	49.75 0.91 -0.34	42.06 1.27 -0.18	42.50 1.22 -0.84	30.48 1.01 0.00	30.22 0.99 -0.04	36.50 1.20 -0.19	54.52 1.45 -0.29	56.92 1.32 0.00	68.36 1.65 -7.85	65.68 1.88 -0.21	56.35 1.57 -0.13	58.66 1.77 -1.47	79.92 2.60 -1.63	67.60 2.47 -0.41	58.71 2.01 -0.27	46.58 1.61 -0.40	46.51 1.72 -0.41	58.48 2.46 -0.65	65.90 2.55 -1.86	63.79 2.08 -0.79	54.21 1.59 -0.66	53.44 1.45 -0.32	52.33 1.47 -0.78	46.50 1.50 -1.43
GLENWOOD____4 23550	49.72 1.04 -0.19	42.22 1.43 -0.18	43.42 1.43 -1.55	30.64 1.16 -0.01	30.33 1.10 -0.04	36.66 1.36 -0.19	54.72 1.64 -0.29	56.53 1.28 0.35	64.18 1.65 -3.67	64.49 1.91 1.01	60.17 1.64 -3.90	61.10 1.87 -3.82	78.22 2.74 0.21	73.25 2.62 -5.91	66.13 2.13 -7.56	60.61 1.70 -14.35	61.06 1.81 -14.86	79.03 2.59 -21.07	129.32 2.73 -65.10	88.60 2.21 -25.48	76.24 1.70 -22.58	61.41 1.52 -8.22	54.87 1.66 -3.12	57.84 1.77 -12.50
GLENWOOD____5 23614	49.72 1.04 -0.19	42.22 1.43 -0.18	43.42 1.43 -1.55	30.64 1.16 -0.01	30.33 1.10 -0.04	36.66 1.36 -0.19	54.72 1.64 -0.29	56.53 1.28 0.35	64.18 1.65 -3.67	64.49 1.91 1.01	60.17 1.64 -3.90	61.10 1.87 -3.82	78.22 2.74 0.21	73.25 2.62 -5.91	66.13 2.13 -7.56	60.61 1.70 -14.35	61.06 1.81 -14.86	79.03 2.59 -21.07	129.32 2.73 -65.10	88.60 2.21 -25.48	76.24 1.70 -22.58	61.41 1.52 -8.22	54.87 1.66 -3.12	57.84 1.77 -12.50
GLOBAL GREEN_PORT_GT1 23814	48.69 0.30 0.11	42.06 1.27 -0.18	42.63 1.68 -0.50	31.03 1.56 0.00	30.81 1.58 -0.04	37.38 2.08 -0.19	55.38 2.31 -0.29	55.94 1.49 1.15	55.01 2.04 5.89	56.03 2.63 10.19	51.82 2.54 5.37	49.30 2.65 8.76	68.39 3.84 11.15	53.77 3.74 14.68	49.23 3.26 10.46	49.47 2.81 -2.10	50.11 2.92 -2.80	48.82 3.78 10.33	63.63 4.00 1.86	49.98 3.45 14.38	49.93 2.67 4.69	33.84 2.35 20.18	48.97 2.18 3.29	41.82 2.50 4.25
GLOBE____DSASP 323697	52.08 1.19 -2.39	41.84 0.02 -1.21	41.62 0.01 -1.16	29.34 -0.46 -0.33	29.02 -0.45 -0.28	35.63 0.01 -0.50	55.43 -0.45 -3.09	57.67 -1.40 -3.48	60.63 -1.50 -3.27	65.16 -1.56 -3.12	57.33 -0.05 -2.73	57.74 -0.21 -2.52	78.23 -1.05 -3.59	66.55 -0.90 -2.74	57.81 -0.92 -2.30	45.61 -0.46 -1.51	44.94 -0.94 -1.49	56.47 -1.49 -2.59	62.25 -2.37 -3.13	61.69 -2.18 -2.96	52.96 -1.42 -2.42	52.92 -1.15 -2.39	51.68 -0.71 -2.31	45.75 0.31 -1.87
GOETHSLN____LBMP 323567	40.27 0.85 9.08	34.50 1.14 7.25	34.62 0.94 6.76	28.02 0.87 2.32	22.72 0.89 7.36	26.68 1.06 9.50	46.20 1.39 7.98	48.84 1.49 8.24	54.17 1.78 6.47	33.15 1.93 32.37	25.48 1.60 30.76	38.14 1.85 19.14	45.76 2.69 32.62	47.56 2.50 19.65	37.81 2.08 20.71	39.42 1.60 6.74	40.10 1.68 5.97	41.63 2.48 16.21	41.88 2.64 22.25	43.04 2.02 19.89	42.23 1.46 11.18	40.50 1.35 12.52	42.74 1.36 8.69	41.58 1.29 3.28
GOLAH____69_KV_TB 1_2 80279	52.79 1.93 -2.37	42.81 1.00 -1.20	42.56 0.96 -1.15	30.20 0.41 -0.33	29.88 0.41 -0.28	36.46 0.85 -0.50	57.23 1.41 -3.05	60.30 1.43 -3.27	63.07 1.13 -3.08	67.74 1.21 -2.94	58.83 1.59 -2.60	59.44 1.57 -2.45	81.16 1.98 -3.49	68.72 1.35 -2.66	59.86 1.19 -2.23	47.03 1.03 -1.44	46.74 0.96 -1.40	59.28 1.47 -2.43	66.00 1.57 -2.94	65.28 1.59 -2.78	55.60 1.37 -2.28	55.24 1.32 -2.25	53.53 1.27 -2.17	46.74 1.42 -1.76
GOODYEAR_LAKE_HYD 323669	51.19 1.46 -1.24	42.50 1.27 -0.63	42.36 1.32 -0.60	30.59 0.95 -0.17	30.29 0.95 -0.15	36.47 1.10 -0.26	56.21 1.82 -1.61	59.51 1.98 -1.94	62.71 2.02 -1.83	67.50 2.17 -1.73	57.97 1.83 -1.50	58.68 1.91 -1.35	80.35 2.74 -1.92	68.45 2.27 -1.46	59.59 1.93 -1.23	46.96 1.58 -0.82	46.80 1.58 -0.83	59.05 2.24 -1.44	65.41 2.19 -1.74	64.53 1.97 -1.65	55.04 1.74 -1.35	54.69 1.68 -1.33	52.84 1.48 -1.29	45.89 1.28 -1.04
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	51.97 0.46 -3.01	42.30 0.17 -1.53	42.10 0.20 -1.47	29.96 0.07 -0.42	29.67 0.12 -0.36	35.94 0.20 -0.63	57.22 0.52 -3.92	60.71 0.42 -4.69	63.56 0.27 -4.42	68.13 0.35 -4.18	58.61 0.35 -3.62	59.13 0.45 -3.26	80.96 0.61 -4.66	68.43 0.17 -3.54	59.70 0.29 -2.98	46.87 0.32 -1.99	46.66 0.27 -2.00	59.51 0.64 -3.49	66.21 0.50 -4.23	65.08 0.18 -4.00	55.56 0.33 -3.27	55.14 0.24 -3.23	53.47 0.27 -3.12	46.36 0.27 -2.53



GOUDEY___7 23579	51.97 0.46 -3.01	42.30 0.17 -1.53	42.10 0.20 -1.47	29.96 0.07 -0.42	29.67 0.12 -0.36	35.94 0.20 -0.63	57.22 0.52 -3.92	60.71 0.42 -4.69	63.56 0.27 -4.42	68.13 0.35 -4.18	58.61 0.35 -3.62	59.13 0.45 -3.26	80.96 0.61 -4.66	68.43 0.17 -3.54	59.70 0.29 -2.98	46.87 0.32 -1.99	46.66 0.27 -2.00	59.51 0.64 -3.49	66.21 0.50 -4.23	65.08 0.18 -4.00	55.56 0.33 -3.27	55.14 0.24 -3.23	53.47 0.27 -3.12	46.36 0.27 -2.53
GOUDEY___8 23580	51.97 0.46 -3.01	42.30 0.17 -1.53	42.10 0.20 -1.47	29.96 0.07 -0.42	29.67 0.12 -0.36	35.94 0.20 -0.63	57.22 0.52 -3.92	60.71 0.42 -4.69	63.56 0.27 -4.42	68.13 0.35 -4.18	58.61 0.35 -3.62	59.13 0.45 -3.26	80.96 0.61 -4.66	68.43 0.17 -3.54	59.70 0.29 -2.98	46.87 0.32 -1.99	46.66 0.27 -2.00	59.51 0.64 -3.49	66.21 0.50 -4.23	65.08 0.18 -4.00	55.56 0.33 -3.27	55.14 0.24 -3.23	53.47 0.27 -3.12	46.36 0.27 -2.53
GOWANUS_GT1_1 24077	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_2 24078	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_3 24079	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_4 24080	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_5 24084	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_6 24111	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_7 24112	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT1_8 24113	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT2_1 24114	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT2_2 24115	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT2_3 24116	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT2_4 24117	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT2_5 24118	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90



GOWANUS_GT2_6 24119	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT2_7 24120	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT2_8 24121	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_1 24122	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_2 24123	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_3 24124	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_4 24125	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_5 24126	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_6 24127	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_7 24128	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT3_8 24129	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
GOWANUS_GT4_1 24130	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT4_2 24131	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT4_3 24132	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT4_4 24133	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90



GOWANUS_GT4_5 24134	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT4_6 24135	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT4_7 24136	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GOWANUS_GT4_8 24137	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GREATVR_69_KV_BK1 356245	49.29 0.88 0.09	42.42 1.63 -0.18	42.85 1.81 -0.60	30.90 1.43 0.00	30.51 1.28 -0.04	36.96 1.66 -0.19	54.79 1.72 -0.29	55.60 1.12 1.11	54.90 1.45 5.41	55.73 1.78 9.64	51.45 1.57 4.76	49.35 1.90 7.97	68.00 2.78 10.47	54.13 2.75 13.33	49.46 2.28 9.26	49.55 2.01 -2.98	50.22 2.15 -3.67	50.08 2.89 8.18	67.39 3.04 -2.86	51.70 2.45 11.65	51.11 1.94 2.79	35.02 1.73 18.38	49.00 1.70 2.78	42.91 2.08 2.74
GREENBSH_115KV_TB3 55895	47.20 -1.02 0.28	39.83 -0.63 0.15	39.12 -0.65 0.67	29.11 -0.36 0.00	28.83 -0.34 0.03	34.49 -0.47 0.15	51.52 -1.02 0.23	54.53 -1.07 0.00	57.91 -0.95 0.00	62.56 -1.03 0.00	53.65 -0.99 0.00	53.38 -0.96 1.08	73.15 -1.24 1.30	63.72 -0.85 0.14	55.63 -0.81 0.00	43.90 -0.66 0.00	43.79 -0.60 0.00	54.83 -0.54 0.00	60.51 -0.97 0.00	59.81 -1.10 0.00	51.03 -0.92 0.00	50.78 -0.89 0.00	48.52 -0.93 0.63	41.61 -0.82 1.14
GREENDGE_115KV_TB5 80291	53.60 1.35 -3.75	43.23 0.72 -1.91	42.92 0.65 -1.83	30.52 0.53 -0.52	30.25 0.61 -0.45	36.83 0.93 -0.79	59.26 1.60 -4.88	63.79 2.26 -5.93	66.51 2.06 -5.59	71.17 2.23 -5.35	60.79 1.52 -4.62	60.84 1.29 -4.13	82.40 0.83 -5.89	69.99 0.80 -4.48	61.03 0.83 -3.76	48.04 0.96 -2.51	47.75 0.82 -2.54	61.65 1.85 -4.43	68.99 2.14 -5.36	67.67 1.69 -5.07	57.85 1.75 -4.15	57.22 1.45 -4.10	55.39 1.35 -3.96	47.99 1.22 -3.20
GREENIDGE___3 23582	53.60 1.35 -3.75	43.23 0.72 -1.91	42.92 0.65 -1.83	30.52 0.53 -0.52	30.25 0.61 -0.45	36.83 0.93 -0.79	59.26 1.60 -4.88	63.79 2.26 -5.93	66.51 2.06 -5.59	71.17 2.23 -5.35	60.79 1.52 -4.62	60.84 1.29 -4.13	82.40 0.83 -5.89	69.99 0.80 -4.48	61.03 0.83 -3.76	48.04 0.96 -2.51	47.75 0.82 -2.54	61.65 1.85 -4.43	68.99 2.14 -5.36	67.67 1.69 -5.07	57.85 1.75 -4.15	57.22 1.45 -4.10	55.39 1.35 -3.96	47.99 1.22 -3.20
GREENIDGE___4 23583	53.60 1.35 -3.75	43.23 0.72 -1.91	42.91 0.64 -1.83	30.52 0.53 -0.52	30.24 0.61 -0.45	36.83 0.93 -0.79	59.26 1.60 -4.88	63.82 2.28 -5.93	66.52 2.07 -5.59	71.19 2.24 -5.35	60.80 1.53 -4.62	60.84 1.28 -4.13	82.46 0.88 -5.89	69.99 0.80 -4.48	61.04 0.85 -3.76	48.04 0.96 -2.51	47.75 0.82 -2.54	61.68 1.88 -4.43	69.03 2.18 -5.36	67.72 1.74 -5.07	57.85 1.75 -4.15	57.23 1.46 -4.10	55.39 1.35 -3.96	47.99 1.22 -3.20
GREENLWN_69_KV_BK 3 55738	48.49 0.09 0.10	41.86 1.08 -0.18	42.27 1.27 -0.56	30.52 1.05 0.00	30.12 0.89 -0.04	36.46 1.16 -0.19	53.94 0.87 -0.29	54.66 0.18 1.12	53.77 0.46 5.54	54.32 0.55 9.83	50.03 0.37 4.98	47.68 0.50 8.24	65.80 0.81 10.70	51.89 0.99 13.82	47.43 0.70 9.70	47.87 0.67 -2.63	48.55 0.83 -3.33	47.68 1.30 8.99	63.85 1.31 -1.05	49.00 0.76 12.67	48.93 0.49 3.51	32.95 0.30 19.02	47.56 0.46 2.99	41.28 1.12 3.41
GREENWD_138_KV_38B11_REV_LBMP_J 345004	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90
GRISSOM___SOLAR 323813	50.40 2.13 0.22	42.27 1.78 0.12	41.64 1.74 0.55	30.73 1.27 0.00	30.45 1.28 0.02	36.55 1.56 0.12	55.15 2.56 0.19	58.53 2.94 0.00	61.96 3.10 0.00	66.80 3.21 0.00	57.25 2.60 0.00	56.98 2.44 0.88	78.01 3.38 1.06	67.43 2.83 0.12	59.02 2.58 0.00	46.73 2.17 0.00	46.61 2.21 0.00	58.25 2.87 0.00	64.65 3.17 0.00	63.97 3.06 0.00	54.50 2.54 0.00	54.18 2.51 0.00	51.83 2.26 0.51	44.53 1.90 0.93
GROVEVILLE___HYD 323602	49.99 1.17 -0.33	42.03 1.25 -0.17	42.38 1.14 -0.80	30.43 0.96 0.00	30.19 0.97 -0.03	36.45 1.16 -0.18	54.69 1.64 -0.28	57.36 1.76 0.00	60.91 2.05 0.00	65.86 2.27 0.00	56.50 1.86 0.00	58.74 2.04 -1.28	80.16 2.94 -1.54	67.61 2.72 -0.17	58.67 2.24 0.00	46.33 1.76 0.00	46.27 1.88 0.00	58.06 2.69 0.00	64.31 2.82 0.00	63.37 2.46 0.00	53.90 1.94 0.00	53.48 1.81 0.00	52.37 1.69 -0.60	46.12 1.47 -1.09
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	54.37 -0.02 -5.89	43.45 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.72 0.09 -8.77	72.01 -0.02 -8.42	61.84 -0.06 -7.25	61.77 -0.08 -6.43	84.49 -0.38 -9.17	71.17 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.34 -0.03 -7.00	69.85 -0.11 -8.48	68.71 -0.20 -8.01	58.43 -0.08 -6.56	58.14 -0.01 -6.48	56.37 0.03 -6.26	48.63 0.00 -5.06
HAMLTNNY_34_KV_TB 80303	54.53 0.26 -5.77	43.54 0.01 -2.93	43.21 -0.04 -2.80	30.16 -0.11 -0.80	29.80 -0.08 -0.69	36.34 0.02 -1.21	60.22 0.24 -7.20	61.41 1.41 -4.40	64.20 1.20 -4.14	68.90 1.34 -3.96	61.25 2.04 -4.57	62.16 0.29 -6.44	85.09 0.21 -9.19	71.65 -0.05 -6.99	62.42 0.11 -5.87	48.79 0.21 -4.02	48.60 0.03 -4.19	63.13 0.45 -7.30	70.73 0.41 -8.84	69.55 0.29 -8.35	59.10 0.31 -6.84	58.69 0.27 -6.76	56.81 0.21 -6.53	49.02 0.18 -5.28



HAMPSHIRE___PAPER_HYD 323593	52.25 2.23 -1.53	43.06 1.67 -0.78	42.78 1.59 -0.74	30.78 1.10 -0.21	30.43 1.05 -0.18	36.84 1.41 -0.32	57.20 2.43 -1.99	60.48 2.50 -2.38	63.28 2.18 -2.23	67.62 1.87 -2.15	57.90 1.39 -1.86	58.16 1.08 -1.66	79.33 1.27 -2.37	67.46 0.95 -1.80	58.80 0.85 -1.51	46.23 0.65 -1.01	46.02 0.61 -1.03	58.08 0.90 -1.81	65.33 1.64 -2.20	65.17 2.17 -2.08	55.40 1.75 -1.70	55.39 2.04 -1.69	53.56 1.86 -1.63	46.27 1.39 -1.32
HARDSCRABBLE_WT_PWR 323673	48.50 0.01 0.00	40.82 0.22 0.00	40.67 0.23 0.00	29.81 0.34 0.00	29.53 0.34 0.00	35.50 0.39 0.00	53.46 0.68 0.00	56.32 0.72 0.00	59.59 0.73 0.00	64.37 0.78 0.00	55.05 0.41 0.00	55.82 0.40 0.00	76.55 0.86 0.00	65.63 0.92 0.00	57.20 0.77 0.00	45.12 0.56 0.00	45.12 0.73 0.00	56.78 1.41 0.00	62.52 1.03 0.00	61.30 0.39 0.00	52.14 0.18 0.00	51.76 0.09 0.00	49.88 -0.20 0.00	43.27 -0.30 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	49.86 1.07 -0.30	41.92 1.15 -0.16	42.19 1.01 -0.75	30.31 0.84 0.00	30.09 0.87 -0.03	36.32 1.04 -0.17	54.54 1.50 -0.26	57.21 1.61 0.00	60.67 1.81 0.00	65.61 2.02 0.00	56.30 1.66 0.00	58.48 1.86 -1.20	79.89 2.76 -1.44	67.40 2.53 -0.16	58.49 2.05 0.00	46.19 1.63 0.00	46.15 1.76 0.00	57.96 2.59 0.00	64.25 2.76 0.00	63.22 2.31 0.00	53.73 1.78 0.00	53.31 1.64 0.00	52.34 1.58 -0.68	46.19 1.38 -1.25
HARSNRAD_115KV_TB1 81005	52.55 1.64 -2.41	42.26 0.43 -1.22	42.03 0.42 -1.17	29.64 -0.16 -0.33	29.35 -0.13 -0.29	36.05 0.43 -0.51	56.06 0.16 -3.11	59.00 -0.08 -3.48	61.70 -0.44 -3.28	66.37 -0.35 -3.13	57.89 0.50 -2.75	58.25 0.29 -2.54	79.79 0.48 -3.62	67.12 -0.35 -2.76	58.48 -0.27 -2.31	46.03 -0.05 -1.51	45.37 -0.52 -1.49	57.32 -0.65 -2.59	63.70 -0.92 -3.14	63.07 -0.81 -2.97	53.90 -0.49 -2.43	53.78 -0.29 -2.40	52.42 0.02 -2.32	46.27 0.83 -1.88
HARZA MOOSE___RIVER 24016	51.87 1.92 -1.46	42.81 1.46 -0.74	42.58 1.43 -0.71	30.70 1.03 -0.20	30.42 1.05 -0.17	36.80 1.39 -0.31	57.06 2.39 -1.89	60.37 2.51 -2.26	63.29 2.32 -2.11	67.69 2.05 -2.05	57.96 1.55 -1.77	58.38 1.38 -1.58	79.78 1.83 -2.26	67.94 1.51 -1.72	59.24 1.36 -1.44	46.59 1.06 -0.97	46.67 1.30 -0.98	59.13 2.00 -1.76	66.15 2.52 -2.15	65.66 2.71 -2.03	55.72 2.10 -1.67	55.26 1.94 -1.65	53.22 1.55 -1.59	45.98 1.13 -1.29
HDSNBRDG_115KV_BRDG_TB1 355580	52.27 -0.29 -4.06	42.30 -0.37 -2.06	42.04 -0.38 -1.98	29.72 -0.31 -0.56	29.40 -0.28 -0.48	35.72 -0.25 -0.85	57.85 -0.22 -5.28	61.93 0.06 -6.27	64.93 0.24 -5.82	69.01 -0.32 -5.73	59.32 -0.27 -4.96	59.58 -0.26 -4.42	81.55 -0.44 -6.30	69.04 -0.47 -4.79	60.10 -0.36 -4.03	47.04 -0.22 -2.70	46.96 -0.17 -2.74	60.10 -0.03 -4.76	67.09 -0.14 -5.75	66.11 -0.23 -5.43	56.22 -0.18 -4.45	55.84 -0.22 -4.39	54.05 -0.28 -4.24	46.75 -0.25 -3.43
HELLGATE_13_KV_LD 55870	50.40 1.57 -0.34	42.52 1.73 -0.18	42.82 1.53 -0.84	30.75 1.28 0.00	30.58 1.34 -0.04	36.87 1.57 -0.19	55.23 2.16 -0.29	57.92 2.32 0.00	128.34 2.75 -66.72	68.28 2.93 -1.76	57.08 2.44 0.00	59.49 2.72 -1.35	81.06 3.75 -1.62	68.32 3.43 -0.18	59.31 2.88 0.00	46.77 2.21 0.00	46.67 2.28 0.00	58.42 3.05 0.00	64.66 3.18 0.00	63.63 2.72 0.00	54.05 2.09 0.00	53.67 2.00 0.00	52.82 1.96 -0.78	46.72 1.73 -1.42
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	50.40 1.57 -0.34	42.52 1.73 -0.18	42.82 1.53 -0.84	30.75 1.28 0.00	30.58 1.34 -0.04	36.87 1.57 -0.19	55.23 2.16 -0.29	57.92 2.32 0.00	128.34 2.75 -66.72	68.28 2.93 -1.76	57.08 2.44 0.00	59.49 2.72 -1.35	81.06 3.75 -1.62	68.32 3.43 -0.18	59.31 2.88 0.00	46.77 2.21 0.00	46.67 2.28 0.00	58.42 3.05 0.00	64.66 3.18 0.00	63.63 2.72 0.00	54.05 2.09 0.00	53.67 2.00 0.00	52.82 1.96 -0.78	46.72 1.73 -1.42
HEMPSTEAD____ 23647	49.15 0.54 -0.12	41.95 1.15 -0.18	43.41 1.21 -1.75	30.46 0.98 -0.01	30.14 0.91 -0.04	36.46 1.16 -0.19	54.39 1.32 -0.29	56.07 0.99 0.52	61.78 1.37 -1.54	63.02 1.58 2.15	59.11 1.34 -3.13	59.45 1.50 -2.53	75.96 2.31 2.04	70.47 2.29 -3.46	63.92 1.80 -5.69	60.12 1.45 -14.10	60.67 1.58 -14.70	76.36 2.30 -18.68	126.54 2.40 -62.65	85.18 1.95 -22.31	74.45 1.50 -21.00	58.50 1.35 -5.48	54.96 1.43 -3.45	60.23 1.72 -14.95
HICKLING___1 23621	52.86 1.19 -3.17	42.68 0.47 -1.61	42.44 0.45 -1.54	30.07 0.17 -0.44	29.81 0.24 -0.38	36.26 0.49 -0.67	58.12 1.22 -4.12	61.60 1.08 -4.92	64.27 0.77 -4.64	69.08 1.04 -4.45	59.35 0.86 -3.85	59.72 0.85 -3.45	81.59 0.99 -4.91	68.78 0.33 -3.74	60.07 0.50 -3.14	47.25 0.60 -2.09	46.89 0.39 -2.10	60.13 1.08 -3.67	66.97 1.05 -4.44	65.60 0.50 -4.19	56.09 0.70 -3.43	55.57 0.50 -3.39	53.97 0.61 -3.28	46.90 0.68 -2.65
HICKLING___2 23622	52.86 1.19 -3.17	42.68 0.47 -1.61	42.44 0.45 -1.54	30.07 0.17 -0.44	29.81 0.24 -0.38	36.26 0.49 -0.67	58.12 1.22 -4.12	61.60 1.08 -4.92	64.27 0.77 -4.64	69.08 1.04 -4.45	59.35 0.86 -3.85	59.72 0.85 -3.45	81.59 0.99 -4.91	68.78 0.33 -3.74	60.07 0.50 -3.14	47.25 0.60 -2.09	46.89 0.39 -2.10	60.13 1.08 -3.67	66.97 1.05 -4.44	65.60 0.50 -4.19	56.09 0.70 -3.43	55.57 0.50 -3.39	53.97 0.61 -3.28	46.90 0.68 -2.65
HIGH FALLS___HY 23754	50.00 1.29 -0.21	42.06 1.34 -0.11	42.18 1.22 -0.52	30.46 0.99 0.00	30.23 1.01 -0.02	36.42 1.19 -0.12	54.74 1.78 -0.18	57.53 1.93 0.00	61.06 2.20 0.00	66.09 2.50 0.00	56.67 2.02 0.00	58.44 2.18 -0.84	79.82 3.13 -1.00	67.74 2.92 -0.11	58.72 2.28 0.00	46.41 1.85 0.00	46.33 1.94 0.00	58.09 2.72 0.00	64.58 3.10 0.00	63.64 2.72 0.00	54.12 2.16 0.00	53.68 2.01 0.00	52.39 1.90 -0.40	45.92 1.62 -0.73
HIGH_RIVER___SOLAR 323847	49.36 1.10 0.24	41.49 1.01 0.13	40.86 1.00 0.58	30.24 0.77 0.00	29.95 0.79 0.03	35.90 0.92 0.13	53.98 1.40 0.20	57.15 1.55 0.00	60.52 1.66 0.00	65.25 1.66 0.00	55.98 1.34 0.00	55.80 1.31 0.93	76.29 1.72 1.12	66.14 1.54 0.12	57.86 1.43 0.00	45.74 1.18 0.00	45.65 1.26 0.00	57.12 1.75 0.00	63.28 1.80 0.00	62.58 1.67 0.00	53.35 1.40 0.00	53.06 1.39 0.00	50.78 1.24 0.54	43.63 1.04 0.98
HILLBURN___GT 23639	49.74 0.94 -0.31	41.86 1.08 -0.16	42.13 0.92 -0.77	30.27 0.80 0.00	30.04 0.82 -0.03	36.27 0.99 -0.17	54.46 1.41 -0.27	57.08 1.48 0.00	60.53 1.67 0.00	65.43 1.84 0.00	56.12 1.47 0.00	58.37 1.72 -1.23	79.73 2.57 -1.48	67.25 2.37 -0.16	58.34 1.90 0.00	46.07 1.51 0.00	46.02 1.63 0.00	57.80 2.43 0.00	64.13 2.65 0.00	63.03 2.12 0.00	53.53 1.58 0.00	53.12 1.45 0.00	52.22 1.43 -0.70	46.15 1.29 -1.29
HILLSIDE_115KV_TB1 80332	51.95 0.29 -3.17	41.99 -0.23 -1.61	41.76 -0.22 -1.54	29.60 -0.31 -0.44	29.34 -0.23 -0.38	35.63 -0.15 -0.66	57.11 0.22 -4.11	60.51 0.00 -4.91	63.20 -0.30 -4.63	68.06 0.02 -4.45	58.53 0.04 -3.85	58.86 -0.01 -3.44	80.43 -0.16 -4.90	67.70 -0.74 -3.73	59.21 -0.36 -3.13	46.54 -0.11 -2.08	46.18 -0.31 -2.10	59.11 0.08 -3.66	65.83 -0.08 -4.43	64.44 -0.66 -4.19	55.17 -0.22 -3.43	54.69 -0.37 -3.39	53.13 -0.22 -3.27	46.11 -0.11 -2.65



HISHELDN_WT_PWR 323625	52.73 1.63 -2.61	42.45 0.52 -1.32	42.21 0.50 -1.27	29.81 -0.02 -0.36	29.53 0.03 -0.31	36.16 0.51 -0.55	56.86 0.71 -3.38	60.04 0.51 -3.93	62.66 0.10 -3.70	67.29 0.16 -3.54	58.16 0.43 -3.08	58.57 0.33 -2.82	80.32 0.61 -4.01	67.64 -0.13 -3.05	58.92 -0.08 -2.56	46.39 0.14 -1.69	45.80 -0.27 -1.68	58.28 -0.02 -2.93	64.86 -0.16 -3.54	63.98 -0.28 -3.35	54.70 0.00 -2.74	54.50 0.12 -2.71	53.04 0.35 -2.62	46.53 0.84 -2.12
HOLTSVILLE_IC_1 23690	48.30 -0.09 0.11	41.66 0.87 -0.18	41.98 1.04 -0.50	30.34 0.87 0.00	30.00 0.78 -0.04	36.34 1.04 -0.19	53.77 0.70 -0.29	54.42 -0.03 1.15	53.17 0.23 5.92	53.77 0.41 10.23	49.73 0.49 5.40	47.28 0.66 8.81	65.59 1.08 11.19	51.31 1.36 14.77	46.99 1.09 10.53	47.64 1.04 -2.05	48.32 1.19 -2.75	46.56 1.64 10.46	60.99 1.65 2.14	47.49 1.12 14.54	47.92 0.77 4.80	31.95 0.57 20.29	47.38 0.62 3.32	40.47 1.24 4.33
HOLTSVILLE_IC_10 23699	48.54 0.15 0.10	41.84 1.05 -0.18	42.18 1.22 -0.52	30.46 0.99 0.00	30.13 0.90 -0.04	36.49 1.19 -0.19	54.02 0.95 -0.29	54.70 0.25 1.14	53.57 0.51 5.80	54.24 0.74 10.09	50.17 0.78 5.25	47.81 1.00 8.61	66.27 1.59 11.02	52.12 1.83 14.43	47.70 1.50 10.24	48.21 1.39 -2.26	48.89 1.54 -2.96	47.50 2.05 9.93	62.61 2.10 0.97	48.60 1.55 13.86	48.75 1.13 4.33	32.73 0.90 19.84	47.80 0.91 3.19	41.08 1.48 3.96
HOLTSVILLE_IC_2 23691	48.30 -0.09 0.11	41.66 0.87 -0.18	41.98 1.04 -0.50	30.34 0.87 0.00	30.00 0.78 -0.04	36.34 1.04 -0.19	53.77 0.70 -0.29	54.42 -0.03 1.15	53.17 0.23 5.92	53.77 0.41 10.23	49.73 0.49 5.40	47.28 0.66 8.81	65.59 1.08 11.19	51.31 1.36 14.77	46.99 1.09 10.53	47.64 1.04 -2.05	48.32 1.19 -2.75	46.56 1.64 10.46	60.99 1.65 2.14	47.49 1.12 14.54	47.92 0.77 4.80	31.95 0.57 20.29	47.38 0.62 3.32	40.47 1.24 4.33
HOLTSVILLE_IC_3 23692	48.30 -0.09 0.11	41.66 0.87 -0.18	41.98 1.04 -0.50	30.34 0.87 0.00	30.00 0.78 -0.04	36.34 1.04 -0.19	53.77 0.70 -0.29	54.42 -0.03 1.15	53.17 0.23 5.92	53.77 0.41 10.23	49.73 0.49 5.40	47.28 0.66 8.81	65.59 1.08 11.19	51.31 1.36 14.77	46.99 1.09 10.53	47.64 1.04 -2.05	48.32 1.19 -2.75	46.56 1.64 10.46	60.99 1.65 2.14	47.49 1.12 14.54	47.92 0.77 4.80	31.95 0.57 20.29	47.38 0.62 3.32	40.47 1.24 4.33
HOLTSVILLE_IC_4 23693	48.30 -0.09 0.11	41.66 0.87 -0.18	41.98 1.04 -0.50	30.34 0.87 0.00	30.00 0.78 -0.04	36.34 1.04 -0.19	53.77 0.70 -0.29	54.42 -0.03 1.15	53.17 0.23 5.92	53.77 0.41 10.23	49.73 0.49 5.40	47.28 0.66 8.81	65.59 1.08 11.19	51.31 1.36 14.77	46.99 1.09 10.53	47.64 1.04 -2.05	48.32 1.19 -2.75	46.56 1.64 10.46	60.99 1.65 2.14	47.49 1.12 14.54	47.92 0.77 4.80	31.95 0.57 20.29	47.38 0.62 3.32	40.47 1.24 4.33
HOLTSVILLE_IC_5 23694	48.30 -0.09 0.11	41.66 0.87 -0.18	41.98 1.04 -0.50	30.34 0.87 0.00	30.00 0.78 -0.04	36.34 1.04 -0.19	53.77 0.70 -0.29	54.42 -0.03 1.15	53.17 0.23 5.92	53.77 0.41 10.23	49.73 0.49 5.40	47.28 0.66 8.81	65.59 1.08 11.19	51.31 1.36 14.77	46.99 1.09 10.53	47.64 1.04 -2.05	48.32 1.19 -2.75	46.56 1.64 10.46	60.99 1.65 2.14	47.49 1.12 14.54	47.92 0.77 4.80	31.95 0.57 20.29	47.38 0.62 3.32	40.47 1.24 4.33
HOLTSVILLE_IC_6 23695	48.54 0.15 0.10	41.84 1.05 -0.18	42.18 1.22 -0.52	30.46 0.99 0.00	30.13 0.90 -0.04	36.49 1.19 -0.19	54.02 0.95 -0.29	54.70 0.25 1.14	53.57 0.51 5.80	54.24 0.74 10.09	50.17 0.78 5.25	47.81 1.00 8.61	66.27 1.59 11.02	52.12 1.83 14.43	47.70 1.50 10.24	48.21 1.39 -2.26	48.89 1.54 -2.96	47.50 2.05 9.93	62.61 2.10 0.97	48.60 1.55 13.86	48.75 1.13 4.33	32.73 0.90 19.84	47.80 0.91 3.19	41.08 1.48 3.96
HOLTSVILLE_IC_7 23696	48.54 0.15 0.10	41.84 1.05 -0.18	42.18 1.22 -0.52	30.46 0.99 0.00	30.13 0.90 -0.04	36.49 1.19 -0.19	54.02 0.95 -0.29	54.70 0.25 1.14	53.57 0.51 5.80	54.24 0.74 10.09	50.17 0.78 5.25	47.81 1.00 8.61	66.27 1.59 11.02	52.12 1.83 14.43	47.70 1.50 10.24	48.21 1.39 -2.26	48.89 1.54 -2.96	47.50 2.05 9.93	62.61 2.10 0.97	48.60 1.55 13.86	48.75 1.13 4.33	32.73 0.90 19.84	47.80 0.91 3.19	41.08 1.48 3.96
HOLTSVILLE_IC_8 23697	48.54 0.15 0.10	41.84 1.05 -0.18	42.18 1.22 -0.52	30.46 0.99 0.00	30.13 0.90 -0.04	36.49 1.19 -0.19	54.02 0.95 -0.29	54.70 0.25 1.14	53.57 0.51 5.80	54.24 0.74 10.09	50.17 0.78 5.25	47.81 1.00 8.61	66.27 1.59 11.02	52.12 1.83 14.43	47.70 1.50 10.24	48.21 1.39 -2.26	48.89 1.54 -2.96	47.50 2.05 9.93	62.61 2.10 0.97	48.60 1.55 13.86	48.75 1.13 4.33	32.73 0.90 19.84	47.80 0.91 3.19	41.08 1.48 3.96
HOLTSVILLE_IC_9 23698	48.54 0.15 0.10	41.84 1.05 -0.18	42.18 1.22 -0.52	30.46 0.99 0.00	30.13 0.90 -0.04	36.49 1.19 -0.19	54.02 0.95 -0.29	54.70 0.25 1.14	53.57 0.51 5.80	54.24 0.74 10.09	50.17 0.78 5.25	47.81 1.00 8.61	66.27 1.59 11.02	52.12 1.83 14.43	47.70 1.50 10.24	48.21 1.39 -2.26	48.89 1.54 -2.96	47.50 2.05 9.93	62.61 2.10 0.97	48.60 1.55 13.86	48.75 1.13 4.33	32.73 0.90 19.84	47.80 0.91 3.19	41.08 1.48 3.96
HOMER_HL_115KV_TB2 355744	52.28 1.25 -2.53	42.13 0.24 -1.28	41.99 0.31 -1.23	29.78 -0.04 -0.35	29.55 0.05 -0.30	36.18 0.54 -0.53	57.18 1.12 -3.28	60.47 1.15 -3.73	62.98 0.60 -3.51	67.55 0.60 -3.35	58.63 1.06 -2.93	59.22 1.11 -2.68	80.69 1.17 -3.82	67.53 -0.09 -2.91	58.86 -0.02 -2.44	46.39 0.22 -1.61	45.80 -0.19 -1.59	58.30 0.15 -2.77	65.03 0.19 -3.36	63.80 -0.29 -3.17	54.53 -0.02 -2.60	54.28 0.04 -2.57	52.89 0.33 -2.48	46.33 0.76 -2.01
HOWARD_WT_PWR 323690	53.84 2.19 -3.16	43.31 1.10 -1.60	42.99 1.01 -1.53	30.40 0.49 -0.44	30.15 0.58 -0.38	36.86 1.09 -0.66	58.88 2.00 -4.10	62.51 2.04 -4.87	64.96 1.51 -4.59	69.51 1.52 -4.39	59.49 1.03 -3.81	59.75 0.90 -3.43	81.99 1.41 -4.89	69.10 0.66 -3.72	60.25 0.70 -3.12	47.42 0.78 -2.08	46.92 0.44 -2.08	60.32 1.32 -3.63	67.43 1.55 -4.40	66.16 1.09 -4.15	56.53 1.17 -3.40	55.89 0.86 -3.36	54.27 0.94 -3.25	47.56 1.36 -2.63
HQ_GEN_CEDARS 23644	49.92 1.43 0.00	41.64 1.03 0.00	41.40 0.96 0.00	30.06 0.59 0.00	29.70 0.50 0.00	35.79 0.68 0.00	53.94 1.16 0.00	56.82 1.22 0.00	59.95 1.09 0.00	64.64 1.05 0.00	55.60 0.96 0.00	56.26 0.84 0.00	76.67 0.98 0.00	65.44 0.73 0.00	57.01 0.57 0.00	45.01 0.44 0.00	44.66 0.27 0.00	55.32 -0.05 0.00	61.98 0.50 0.00	61.91 1.00 0.00	52.81 0.85 0.00	52.75 1.08 0.00	51.27 1.19 0.00	44.56 0.99 0.00
HQ_GEN_CEDARS_PROXY 323590	49.92 1.43 0.00	41.64 1.03 0.00	41.40 0.96 0.00	30.06 0.59 0.00	29.05 0.50 0.64	25.45 0.68 10.34	58.96 1.16 -5.03	56.82 1.22 0.00	59.95 1.09 0.00	64.64 1.05 0.00	55.60 0.96 0.00	56.26 0.84 0.00	76.67 0.98 0.00	65.45 0.73 0.00	57.01 0.57 0.00	45.01 0.44 0.00	44.66 0.27 0.00	47.13 -0.05 8.18	65.25 0.50 -3.27	61.91 1.00 0.00	52.81 0.85 0.00	52.75 1.08 0.00	51.26 1.18 0.00	44.56 0.99 0.00



HQ_GEN_IMPORT 323601	50.13 0.54 -1.10	39.40 0.37 1.57	40.78 0.34 0.00	29.65 0.18 0.00	29.34 0.14 0.00	31.20 0.21 4.12	53.14 0.36 0.00	55.99 0.39 0.00	59.23 0.37 0.00	63.98 0.39 0.00	55.02 0.37 0.00	55.75 0.33 0.00	76.07 0.38 0.00	65.00 0.28 0.00	56.70 0.26 0.00	44.74 0.17 0.00	44.50 0.11 0.00	53.22 -0.18 1.97	64.26 0.13 -2.65	61.28 0.37 0.00	52.25 0.29 0.00	52.02 0.34 0.00	50.48 0.40 0.00	43.92 0.35 0.00
HQ_GEN_WHEEL 23651	50.13 0.54 -1.10	39.40 0.37 1.57	40.78 0.34 0.00	29.65 0.18 0.00	29.34 0.14 0.00	31.20 0.21 4.12	53.14 0.36 0.00	55.99 0.39 0.00	59.23 0.37 0.00	63.98 0.39 0.00	55.02 0.37 0.00	55.75 0.33 0.00	76.07 0.38 0.00	65.00 0.28 0.00	56.70 0.26 0.00	44.74 0.17 0.00	44.50 0.11 0.00	53.22 -0.18 1.97	64.26 0.13 -2.65	61.28 0.37 0.00	52.25 0.29 0.00	52.02 0.34 0.00	50.48 0.40 0.00	43.92 0.35 0.00
HUDSON AVE_GT_3 23810	50.13 1.30 -0.34	42.28 1.50 -0.18	42.58 1.30 -0.84	30.58 1.11 0.00	30.37 1.15 -0.04	36.67 1.37 -0.19	54.90 1.83 -0.29	57.54 1.94 0.00	146.91 2.32 -85.73	68.40 2.55 -2.26	56.80 2.16 0.00	59.18 2.41 -1.35	80.77 3.46 -1.62	68.05 3.15 -0.18	59.09 2.66 0.00	46.62 2.05 0.00	46.52 2.13 0.00	58.33 2.96 0.00	64.57 3.09 0.00	63.49 2.58 0.00	53.93 1.98 0.00	53.52 1.85 0.00	52.68 1.82 -0.78	46.65 1.66 -1.42
HUDSON AVE_GT_4 23540	50.13 1.30 -0.34	42.28 1.50 -0.18	42.58 1.30 -0.84	30.58 1.11 0.00	30.37 1.15 -0.04	36.67 1.37 -0.19	54.90 1.83 -0.29	57.54 1.94 0.00	146.91 2.32 -85.73	68.40 2.55 -2.26	56.80 2.16 0.00	59.18 2.41 -1.35	80.77 3.46 -1.62	68.05 3.15 -0.18	59.09 2.66 0.00	46.62 2.05 0.00	46.52 2.13 0.00	58.33 2.96 0.00	64.57 3.09 0.00	63.49 2.58 0.00	53.93 1.98 0.00	53.52 1.85 0.00	52.68 1.82 -0.78	46.65 1.66 -1.42
HUDSON AVE_GT_5 23657	50.13 1.30 -0.34	42.28 1.50 -0.18	42.58 1.30 -0.84	30.58 1.11 0.00	30.37 1.15 -0.04	36.67 1.37 -0.19	54.90 1.83 -0.29	57.54 1.94 0.00	146.91 2.32 -85.73	68.40 2.55 -2.26	56.80 2.16 0.00	59.18 2.41 -1.35	80.77 3.46 -1.62	68.05 3.15 -0.18	59.09 2.66 0.00	46.62 2.05 0.00	46.52 2.13 0.00	58.33 2.96 0.00	64.57 3.09 0.00	63.49 2.58 0.00	53.93 1.98 0.00	53.52 1.85 0.00	52.68 1.82 -0.78	46.65 1.66 -1.42
HUDSON_AVE_10 24168	49.94 1.10 -0.34	42.12 1.33 -0.18	42.43 1.15 -0.84	30.48 1.01 0.00	30.28 1.05 -0.04	36.53 1.23 -0.19	54.70 1.63 -0.29	57.38 1.72 -0.06	147.16 2.01 -86.28	68.62 2.18 -2.85	56.79 1.86 -0.29	60.17 2.09 -2.66	80.39 3.08 -1.62	67.76 2.86 -0.18	58.83 2.39 0.00	46.41 1.85 0.00	46.32 1.93 0.00	58.07 2.70 0.00	66.60 2.76 -2.35	63.20 2.29 0.00	53.70 1.75 0.00	53.45 1.63 -0.15	52.89 1.60 -1.21	46.46 1.46 -1.42
HUDSON___115KV_TB 4 355613	47.88 -0.43 0.18	40.32 -0.20 0.10	39.83 -0.17 0.45	29.41 -0.06 0.00	29.15 -0.03 0.02	34.94 -0.07 0.10	52.34 -0.28 0.15	55.39 -0.21 0.00	58.80 -0.06 0.00	63.53 -0.06 0.00	54.48 -0.17 0.00	54.58 -0.12 0.72	74.62 -0.20 0.86	64.59 -0.03 0.10	56.38 -0.05 0.00	44.55 -0.02 0.00	44.46 0.07 0.00	55.74 0.37 0.00	61.52 0.04 0.00	60.90 -0.01 0.00	51.97 0.01 0.00	51.66 -0.01 0.00	49.49 -0.17 0.43	42.59 -0.19 0.78
HUNTER MOUNT___DRP 323613	48.02 -0.37 0.11	40.37 -0.18 0.06	40.07 -0.10 0.27	29.43 -0.04 0.00	29.17 -0.01 0.01	35.01 -0.04 0.06	52.49 -0.19 0.09	55.52 -0.08 0.00	58.95 0.08 0.00	63.66 0.07 0.00	54.59 -0.05 0.00	55.04 0.05 0.44	75.19 0.02 0.52	64.72 0.06 0.06	56.47 0.03 0.00	44.65 0.09 0.00	44.57 0.18 0.00	55.87 0.50 0.00	61.65 0.16 0.00	61.05 0.14 0.00	52.12 0.16 0.00	51.78 0.11 0.00	49.74 -0.07 0.27	42.96 -0.11 0.50
HUNTINGTON_RES_REC 323705	48.51 0.11 0.10	41.87 1.08 -0.18	42.21 1.24 -0.52	30.48 1.01 0.00	30.17 0.95 -0.04	36.53 1.23 -0.19	54.04 0.97 -0.29	54.71 0.25 1.14	53.64 0.54 5.76	54.22 0.69 10.05	50.04 0.62 5.22	47.62 0.76 8.57	65.98 1.27 10.99	51.84 1.49 14.37	47.42 1.18 10.18	47.96 1.11 -2.29	48.64 1.27 -2.99	47.31 1.78 9.84	62.47 1.80 0.81	48.42 1.27 13.76	48.58 0.89 4.27	32.58 0.66 19.76	47.63 0.74 3.18	40.98 1.37 3.96
HUNTLEY___63 23557	52.99 2.07 -2.42	42.58 0.74 -1.23	42.32 0.70 -1.18	29.85 0.04 -0.34	29.54 0.07 -0.29	36.28 0.66 -0.51	56.54 0.63 -3.13	59.31 0.19 -3.52	62.16 -0.02 -3.31	66.85 0.10 -3.16	58.47 1.06 -2.77	58.82 0.84 -2.55	80.11 0.78 -3.64	67.71 0.22 -2.77	58.95 0.19 -2.32	46.48 0.39 -1.52	45.75 -0.15 -1.50	57.76 -0.23 -2.62	63.98 -0.67 -3.17	63.30 -0.61 -2.99	54.20 -0.21 -2.45	54.17 0.08 -2.42	52.89 0.46 -2.34	46.66 1.21 -1.89
HUNTLEY___64 23558	52.99 2.07 -2.42	42.58 0.74 -1.23	42.32 0.70 -1.18	29.85 0.04 -0.34	29.54 0.07 -0.29	36.28 0.66 -0.51	56.54 0.63 -3.13	59.31 0.19 -3.52	62.16 -0.02 -3.31	66.85 0.10 -3.16	58.47 1.06 -2.77	58.82 0.84 -2.55	80.11 0.78 -3.64	67.71 0.22 -2.77	58.95 0.19 -2.32	46.48 0.39 -1.52	45.75 -0.15 -1.50	57.76 -0.23 -2.62	63.98 -0.67 -3.17	63.30 -0.61 -2.99	54.20 -0.21 -2.45	54.17 0.08 -2.42	52.89 0.46 -2.34	46.66 1.21 -1.89
HUNTLEY___65 23559	52.99 2.07 -2.42	42.58 0.74 -1.23	42.32 0.70 -1.18	29.85 0.04 -0.34	29.54 0.07 -0.29	36.28 0.66 -0.51	56.54 0.63 -3.13	59.31 0.19 -3.52	62.16 -0.02 -3.31	66.85 0.10 -3.16	58.47 1.06 -2.77	58.82 0.84 -2.55	80.11 0.78 -3.64	67.71 0.22 -2.77	58.95 0.19 -2.32	46.48 0.39 -1.52	45.75 -0.15 -1.50	57.76 -0.23 -2.62	63.98 -0.67 -3.17	63.30 -0.61 -2.99	54.20 -0.21 -2.45	54.17 0.08 -2.42	52.89 0.46 -2.34	46.66 1.21 -1.89
HUNTLEY___66 23560	52.99 2.07 -2.42	42.58 0.74 -1.23	42.32 0.70 -1.18	29.85 0.04 -0.34	29.54 0.07 -0.29	36.28 0.66 -0.51	56.54 0.63 -3.13	59.31 0.19 -3.52	62.16 -0.02 -3.31	66.85 0.10 -3.16	58.47 1.06 -2.77	58.82 0.84 -2.55	80.11 0.78 -3.64	67.71 0.22 -2.77	58.95 0.19 -2.32	46.48 0.39 -1.52	45.75 -0.15 -1.50	57.76 -0.23 -2.62	63.98 -0.67 -3.17	63.30 -0.61 -2.99	54.20 -0.21 -2.45	54.17 0.08 -2.42	52.89 0.46 -2.34	46.66 1.21 -1.89
HUNTLEY___67 23561	52.53 1.61 -2.43	42.23 0.40 -1.23	42.01 0.38 -1.18	29.65 -0.16 -0.34	29.34 -0.14 -0.29	36.00 0.38 -0.51	56.29 0.37 -3.14	59.19 0.07 -3.52	61.93 -0.24 -3.31	66.63 -0.13 -3.16	58.16 0.74 -2.77	58.55 0.57 -2.55	80.10 0.77 -3.63	67.44 -0.04 -2.77	58.78 0.02 -2.32	46.23 0.15 -1.52	45.58 -0.31 -1.51	57.63 -0.36 -2.62	64.00 -0.66 -3.17	63.28 -0.63 -3.00	54.10 -0.31 -2.45	53.94 -0.15 -2.42	52.57 0.15 -2.34	46.26 0.80 -1.89
HUNTLEY___68 23562	52.53 1.61 -2.43	42.23 0.40 -1.23	42.01 0.38 -1.18	29.65 -0.16 -0.34	29.34 -0.14 -0.29	36.00 0.38 -0.51	56.29 0.37 -3.14	59.19 0.07 -3.52	61.93 -0.24 -3.31	66.63 -0.13 -3.16	58.16 0.74 -2.77	58.55 0.57 -2.55	80.10 0.77 -3.63	67.44 -0.04 -2.77	58.78 0.02 -2.32	46.23 0.15 -1.52	45.58 -0.31 -1.51	57.63 -0.36 -2.62	64.00 -0.66 -3.17	63.28 -0.63 -3.00	54.10 -0.31 -2.45	53.94 -0.15 -2.42	52.57 0.15 -2.34	46.26 0.80 -1.89



HYLAND___LFGE 323620	55.00 3.75 -2.76	44.40 2.39 -1.40	44.09 2.31 -1.34	31.24 1.39 -0.38	31.02 1.50 -0.33	37.98 2.29 -0.58	60.27 3.92 -3.57	63.92 4.23 -4.09	66.54 3.82 -3.86	70.96 3.69 -3.68	60.02 2.16 -3.22	60.31 1.94 -2.95	82.78 2.89 -4.20	70.11 2.20 -3.20	61.10 1.99 -2.68	48.13 1.80 -1.76	48.03 1.89 -1.75	62.18 3.76 -3.05	69.74 4.57 -3.69	69.03 4.63 -3.49	58.76 3.95 -2.85	58.17 3.68 -2.82	56.33 3.52 -2.73	48.92 3.15 -2.20
INDECK___CORINTH 23802	48.89 0.72 0.33	41.12 0.69 0.17	40.40 0.77 0.81	30.14 0.67 0.00	29.88 0.72 0.03	35.75 0.83 0.18	53.50 1.00 0.28	56.69 1.09 0.00	60.18 1.32 0.00	64.96 1.37 0.00	55.75 1.10 0.00	55.11 0.99 1.30	75.64 1.51 1.56	66.01 1.47 0.17	57.72 1.28 0.00	45.53 0.97 0.00	45.43 1.04 0.00	57.04 1.66 0.00	63.21 1.72 0.00	62.62 1.71 0.00	53.30 1.35 0.00	52.85 1.18 0.00	50.31 0.98 0.75	42.95 0.76 1.37
INDECK___ILION 23567	48.54 0.04 0.00	40.69 0.08 0.00	40.53 0.08 0.00	29.56 0.09 0.00	29.29 0.10 0.00	35.22 0.11 0.00	52.94 0.16 0.00	55.77 0.17 0.00	59.02 0.16 0.00	63.78 0.19 0.00	54.79 0.15 0.00	55.58 0.16 0.00	75.99 0.30 0.00	65.01 0.29 0.00	56.66 0.22 0.00	44.76 0.20 0.00	44.62 0.22 0.00	55.78 0.40 0.00	61.80 0.32 0.00	61.16 0.24 0.00	52.15 0.20 0.00	51.82 0.15 0.00	50.18 0.10 0.00	43.61 0.04 0.00
INDECK___OLEAN 23982	52.27 1.25 -2.53	42.14 0.25 -1.28	41.99 0.31 -1.23	29.78 -0.03 -0.35	29.54 0.05 -0.30	36.18 0.54 -0.53	57.18 1.12 -3.28	60.47 1.14 -3.73	62.99 0.62 -3.51	67.57 0.63 -3.35	58.63 1.06 -2.93	59.22 1.12 -2.68	80.71 1.19 -3.82	67.53 -0.09 -2.91	58.84 -0.04 -2.44	46.39 0.22 -1.61	45.81 -0.18 -1.59	58.32 0.17 -2.77	65.05 0.21 -3.36	63.81 -0.27 -3.17	54.53 -0.01 -2.60	54.31 0.07 -2.57	52.91 0.35 -2.48	46.33 0.76 -2.01
INDECK___OSWEGO 23783	58.97 -1.22 -11.69	45.45 -1.10 -5.93	45.02 -1.11 -5.69	30.27 -0.83 -1.62	29.80 -0.79 -1.39	36.68 -0.89 -2.46	66.72 -1.26 -15.20	72.44 -1.39 -18.24	74.47 -1.55 -17.16	78.29 -1.70 -16.40	67.34 -1.46 -14.16	66.58 -1.52 -12.68	91.60 -2.17 -18.08	76.52 -1.95 -13.76	66.34 -1.64 -11.55	51.04 -1.25 -7.72	51.00 -1.21 -7.81	67.75 -1.27 -13.64	76.58 -1.44 -16.53	75.09 -1.44 -15.62	63.52 -1.22 -12.79	63.09 -1.22 -12.64	61.08 -1.21 -12.21	52.36 -1.08 -9.87
INDECK___YERKES 23781	53.03 2.11 -2.42	42.62 0.78 -1.23	42.36 0.74 -1.18	29.86 0.06 -0.34	29.57 0.09 -0.29	36.31 0.69 -0.51	56.59 0.68 -3.13	59.36 0.25 -3.51	62.20 0.03 -3.31	66.93 0.18 -3.16	58.49 1.08 -2.77	58.88 0.90 -2.55	80.10 0.77 -3.64	67.69 0.21 -2.77	58.92 0.16 -2.32	46.46 0.37 -1.52	45.73 -0.17 -1.50	57.74 -0.25 -2.62	64.00 -0.66 -3.17	63.30 -0.61 -2.99	54.20 -0.21 -2.45	54.25 0.15 -2.42	52.96 0.54 -2.34	46.70 1.24 -1.89
INDIAN POINT_GT_1 24139	49.67 0.84 -0.34	41.84 1.05 -0.18	42.17 0.90 -0.83	30.27 0.80 0.00	30.05 0.82 -0.03	36.27 0.97 -0.19	54.37 1.30 -0.29	56.94 1.34 0.00	60.45 1.59 0.00	65.36 1.77 0.00	56.05 1.41 0.00	58.38 1.64 -1.33	79.69 2.40 -1.59	67.14 2.25 -0.17	58.26 1.82 0.00	45.99 1.43 0.00	45.92 1.53 0.00	57.63 2.26 0.00	63.86 2.37 0.00	62.82 1.91 0.00	53.37 1.42 0.00	52.99 1.31 0.00	52.13 1.29 -0.77	46.14 1.18 -1.40
INDIAN POINT_GT_2 23659	49.67 0.84 -0.34	41.84 1.05 -0.18	42.17 0.90 -0.83	30.27 0.80 0.00	30.05 0.82 -0.03	36.27 0.97 -0.19	54.37 1.30 -0.29	56.94 1.34 0.00	60.45 1.59 0.00	65.36 1.77 0.00	56.05 1.41 0.00	58.38 1.64 -1.33	79.69 2.40 -1.59	67.14 2.25 -0.17	58.26 1.82 0.00	45.99 1.43 0.00	45.92 1.53 0.00	57.63 2.26 0.00	63.86 2.37 0.00	62.82 1.91 0.00	53.37 1.42 0.00	52.99 1.31 0.00	52.13 1.29 -0.77	46.14 1.18 -1.40
INDIAN POINT_GT_3 24019	49.67 0.84 -0.34	41.84 1.05 -0.18	42.17 0.90 -0.83	30.27 0.80 0.00	30.05 0.82 -0.03	36.27 0.97 -0.19	54.37 1.30 -0.29	56.94 1.34 0.00	60.45 1.59 0.00	65.36 1.77 0.00	56.05 1.41 0.00	58.38 1.64 -1.33	79.69 2.40 -1.59	67.14 2.25 -0.17	58.26 1.82 0.00	45.99 1.43 0.00	45.92 1.53 0.00	57.63 2.26 0.00	63.86 2.37 0.00	62.82 1.91 0.00	53.37 1.42 0.00	52.99 1.31 0.00	52.13 1.29 -0.77	46.14 1.18 -1.40
INDIAN POINT___2 23530	49.64 0.82 -0.33	41.79 1.01 -0.17	42.11 0.86 -0.80	30.24 0.77 0.00	30.02 0.79 -0.03	36.23 0.94 -0.18	54.34 1.28 -0.28	56.91 1.31 0.00	60.40 1.53 0.00	65.29 1.70 0.00	55.99 1.35 0.00	58.30 1.59 -1.29	79.58 2.34 -1.55	67.09 2.21 -0.17	58.21 1.78 0.00	45.95 1.38 0.00	45.88 1.49 0.00	57.59 2.21 0.00	63.84 2.36 0.00	62.78 1.87 0.00	53.34 1.39 0.00	52.95 1.28 0.00	52.09 1.26 -0.74	46.09 1.17 -1.36
INDIAN POINT___3 23531	49.62 0.79 -0.34	41.79 0.99 -0.18	42.13 0.86 -0.83	30.23 0.76 0.00	30.01 0.79 -0.03	36.23 0.93 -0.19	54.32 1.25 -0.29	56.89 1.29 0.00	60.38 1.52 0.00	65.29 1.70 0.00	55.99 1.35 0.00	58.31 1.56 -1.33	79.60 2.31 -1.60	67.05 2.16 -0.18	58.19 1.75 0.00	45.93 1.37 0.00	45.85 1.46 0.00	57.56 2.19 0.00	63.79 2.31 0.00	62.74 1.84 0.00	53.32 1.37 0.00	52.94 1.26 0.00	52.09 1.24 -0.77	46.11 1.14 -1.40
INGHAM_C_115KV_TB7 356103	48.34 -0.16 0.00	40.74 0.13 0.00	40.59 0.15 0.00	29.79 0.32 0.00	29.55 0.36 0.00	35.53 0.42 0.00	53.48 0.70 0.00	56.36 0.76 0.00	59.68 0.81 0.00	64.43 0.84 0.00	55.09 0.45 0.00	55.80 0.38 0.00	76.54 0.85 0.00	65.67 0.95 0.00	57.24 0.81 0.00	45.15 0.58 0.00	45.21 0.82 0.00	57.01 1.64 0.00	62.72 1.24 0.00	61.45 0.54 0.00	52.31 0.36 0.00	51.94 0.27 0.00	50.00 -0.08 0.00	43.32 -0.25 0.00
IP CORINTH___1 23988	49.18 1.02 0.33	41.36 0.93 0.17	40.63 1.00 0.81	30.29 0.82 0.00	30.04 0.88 0.03	35.96 1.03 0.18	53.83 1.32 0.28	57.02 1.42 0.00	60.53 1.67 0.00	65.34 1.75 0.00	56.08 1.43 0.00	55.45 1.32 1.30	76.10 1.97 1.56	66.40 1.86 0.17	58.04 1.60 0.00	45.79 1.22 0.00	45.68 1.29 0.00	57.36 1.99 0.00	63.55 2.06 0.00	62.97 2.06 0.00	53.61 1.66 0.00	53.15 1.48 0.00	50.61 1.27 0.75	43.22 1.02 1.37
IP___TICONDEROGA 23804	51.88 3.72 0.34	43.49 3.06 0.18	42.75 3.13 0.83	32.07 2.60 0.00	31.89 2.73 0.03	38.31 3.39 0.19	57.02 4.53 0.29	60.42 4.82 0.00	64.07 5.21 0.00	69.11 5.51 0.00	59.27 4.62 0.00	58.24 4.15 1.33	80.12 6.03 1.60	69.69 5.15 0.18	61.01 4.58 0.00	48.30 3.73 0.00	48.22 3.83 0.00	60.66 5.29 0.00	67.36 5.87 0.00	66.45 5.53 0.00	56.52 4.56 0.00	55.71 4.04 0.00	53.02 3.70 0.77	45.26 3.10 1.41
ISLIP_RES_REC 323679	48.75 0.35 0.10	42.00 1.21 -0.18	42.36 1.38 -0.54	30.56 1.10 0.00	30.24 1.01 -0.04	36.64 1.34 -0.19	54.25 1.18 -0.29	54.96 0.50 1.14	53.97 0.82 5.72	54.69 1.09 9.99	50.60 1.11 5.15	48.30 1.35 8.48	66.86 2.08 10.91	52.81 2.29 14.20	48.34 1.93 10.03	48.71 1.74 -2.41	49.38 1.88 -3.11	48.26 2.44 9.56	63.83 2.51 0.17	49.46 1.94 13.40	49.41 1.46 4.01	33.35 1.21 19.53	48.17 1.19 3.11	41.57 1.71 3.71



JAMAICA__27_KV_LOAD 355505	50.20 1.36 -0.34	42.35 1.56 -0.18	42.64 1.35 -0.84	30.62 1.15 0.00	30.44 1.22 -0.04	36.72 1.42 -0.19	54.98 1.91 -0.29	57.70 2.01 -0.08	147.42 2.12 -86.44	68.81 2.20 -3.02	56.92 1.89 -0.39	60.57 2.12 -3.02	80.60 3.29 -1.62	67.98 3.08 -0.18	59.03 2.59 0.00	46.58 2.01 0.00	46.45 2.06 0.00	58.28 2.90 0.00	67.40 2.91 -3.00	63.43 2.52 0.00	53.90 1.94 0.00	53.67 1.81 -0.19	53.19 1.77 -1.33	46.60 1.61 -1.42
JANIS__SOLAR 323808	53.97 2.02 -3.45	43.80 1.44 -1.75	43.56 1.44 -1.68	30.94 1.00 -0.48	30.66 1.06 -0.41	37.30 1.46 -0.73	59.88 2.62 -4.49	63.79 2.79 -5.41	66.51 2.55 -5.10	71.07 2.62 -4.85	60.89 2.05 -4.19	61.21 2.04 -3.75	84.12 3.08 -5.35	70.85 2.06 -4.07	61.47 1.61 -3.42	48.11 1.26 -2.29	48.15 1.45 -2.31	62.13 2.72 -4.03	69.59 3.22 -4.88	68.65 3.13 -4.61	58.38 2.64 -3.78	57.66 2.26 -3.73	55.62 1.94 -3.61	48.11 1.62 -2.91
JARVIS____ 23743	48.40 -0.09 0.00	40.57 -0.04 0.00	40.44 0.00 0.00	29.49 0.03 0.00	29.22 0.03 0.00	35.13 0.02 0.00	52.78 0.00 0.00	55.59 -0.01 0.00	58.86 0.00 0.00	63.59 0.00 0.00	54.64 0.00 0.00	55.43 0.00 0.00	75.76 0.07 0.00	64.81 0.10 0.00	56.49 0.06 0.00	44.61 0.05 0.00	44.48 0.09 0.00	55.59 0.22 0.00	61.60 0.11 0.00	60.93 0.01 0.00	51.98 0.02 0.00	51.67 0.00 0.00	50.03 -0.05 0.00	43.52 -0.05 0.00
JENNISON____1 23625	53.08 2.00 -2.59	43.42 1.50 -1.32	43.24 1.54 -1.26	30.91 1.08 -0.36	30.63 1.13 -0.31	37.14 1.49 -0.54	58.74 2.59 -3.37	62.38 2.73 -4.05	65.33 2.65 -3.82	70.01 2.79 -3.62	60.08 2.30 -3.13	60.64 2.41 -2.81	83.02 3.31 -4.01	70.26 2.49 -3.05	61.12 2.12 -2.56	48.08 1.81 -1.71	47.95 1.83 -1.73	61.30 2.91 -3.02	68.22 3.08 -3.65	67.30 2.94 -3.45	57.30 2.52 -2.83	56.31 1.84 -2.79	54.09 1.31 -2.70	46.85 1.10 -2.18
JENNISON____2 23626	53.08 2.00 -2.59	43.42 1.50 -1.32	43.24 1.54 -1.26	30.91 1.08 -0.36	30.63 1.13 -0.31	37.14 1.49 -0.54	58.74 2.59 -3.37	62.38 2.73 -4.05	65.33 2.65 -3.82	70.01 2.79 -3.62	60.08 2.30 -3.13	60.64 2.41 -2.81	83.02 3.31 -4.01	70.26 2.49 -3.05	61.12 2.12 -2.56	48.08 1.81 -1.71	47.95 1.83 -1.73	61.30 2.91 -3.02	68.22 3.08 -3.65	67.30 2.94 -3.45	57.30 2.52 -2.83	56.31 1.84 -2.79	54.09 1.31 -2.70	46.85 1.10 -2.18
JERICOHO_RISE_WT_PWR 323719	49.89 1.40 0.00	41.69 1.08 0.00	41.44 1.00 0.00	30.11 0.64 0.00	29.62 0.43 0.00	35.64 0.54 0.00	53.22 0.44 0.00	55.79 0.19 0.00	58.88 0.02 0.00	63.46 -0.13 0.00	54.47 -0.18 0.00	55.07 -0.35 0.00	75.28 -0.41 0.00	64.34 -0.38 0.00	55.96 -0.47 0.00	44.16 -0.40 0.00	43.89 -0.50 0.00	54.45 -0.93 0.00	60.79 -0.69 0.00	60.45 -0.46 0.00	51.68 -0.28 0.00	52.13 0.45 0.00	51.13 1.04 0.00	44.46 0.89 0.00
KATONAH__115KV_46KV_TB4 355592	49.82 0.97 -0.35	41.95 1.15 -0.19	42.32 1.02 -0.86	30.35 0.88 0.00	30.13 0.90 -0.04	36.37 1.07 -0.20	54.52 1.44 -0.30	57.12 1.52 0.00	60.66 1.80 0.00	65.63 2.04 0.00	56.31 1.67 0.00	58.68 1.88 -1.38	80.07 2.72 -1.66	67.43 2.53 -0.18	58.52 2.09 0.00	46.19 1.63 0.00	46.14 1.75 0.00	57.85 2.47 0.00	64.08 2.60 0.00	63.11 2.19 0.00	53.62 1.66 0.00	53.21 1.54 0.00	52.33 1.47 -0.78	46.31 1.32 -1.42
KCE_NY_1 323755	49.28 1.14 0.35	41.50 1.08 0.19	40.66 1.08 0.86	30.35 0.88 0.00	30.08 0.92 0.04	36.01 1.10 0.20	54.04 1.56 0.30	57.30 1.70 0.00	60.74 1.88 0.00	65.58 1.98 0.00	56.28 1.64 0.00	55.67 1.63 1.38	76.36 2.33 1.66	66.60 2.07 0.18	58.27 1.83 0.00	45.96 1.40 0.00	45.87 1.48 0.00	57.64 2.27 0.00	63.78 2.29 0.00	63.08 2.17 0.00	53.77 1.81 0.00	53.33 1.66 0.00	50.78 1.49 0.80	43.33 1.21 1.45
KCE_NY_6_ESR 323823	53.04 2.08 -2.47	42.64 0.78 -1.25	42.39 0.75 -1.20	29.93 0.12 -0.34	29.64 0.15 -0.29	36.36 0.73 -0.52	56.93 0.96 -3.19	60.00 0.80 -3.61	62.75 0.49 -3.40	67.54 0.70 -3.24	58.83 1.35 -2.84	59.26 1.23 -2.61	81.16 1.75 -3.72	68.25 0.71 -2.83	59.49 0.68 -2.38	46.80 0.68 -1.56	46.18 0.24 -1.54	58.49 0.43 -2.69	65.01 0.27 -3.25	64.19 0.21 -3.07	54.87 0.40 -2.51	54.71 0.55 -2.49	53.25 0.77 -2.40	46.76 1.25 -1.94
KEDC_PORT_JEFF_GT2 24210	48.44 0.05 0.10	41.76 0.97 -0.18	42.09 1.14 -0.51	30.40 0.93 0.00	30.07 0.84 -0.04	36.41 1.12 -0.19	53.89 0.82 -0.29	54.51 0.05 1.15	53.30 0.28 5.84	53.91 0.46 10.14	49.94 0.61 5.31	47.58 0.85 8.69	65.97 1.37 11.08	51.80 1.64 14.55	47.41 1.32 10.35	47.97 1.23 -2.18	48.67 1.39 -2.88	47.07 1.82 10.12	61.92 1.85 1.41	48.07 1.28 14.12	48.34 0.90 4.51	32.36 0.69 20.01	47.58 0.74 3.24	40.83 1.38 4.11
KEDC_PORT_JEFF_GT3 24211	48.44 0.05 0.10	41.76 0.97 -0.18	42.09 1.14 -0.51	30.40 0.93 0.00	30.07 0.84 -0.04	36.41 1.12 -0.19	53.89 0.82 -0.29	54.51 0.05 1.15	53.30 0.28 5.84	53.91 0.46 10.14	49.94 0.61 5.31	47.58 0.85 8.69	65.97 1.37 11.08	51.80 1.64 14.55	47.41 1.32 10.35	47.97 1.23 -2.18	48.67 1.39 -2.88	47.07 1.82 10.12	61.92 1.85 1.41	48.07 1.28 14.12	48.34 0.90 4.51	32.36 0.69 20.01	47.58 0.74 3.24	40.83 1.38 4.11
KEDC_GLWD_GT4 24219	49.72 1.03 -0.19	42.22 1.43 -0.18	43.40 1.41 -1.55	30.62 1.14 -0.01	30.33 1.10 -0.04	36.66 1.36 -0.19	54.70 1.62 -0.29	56.37 1.12 0.35	64.03 1.50 -3.67	64.32 1.74 1.01	60.03 1.49 -3.90	60.93 1.69 -3.82	78.02 2.53 0.21	73.11 2.48 -5.91	66.00 2.01 -7.56	60.51 1.60 -14.35	60.95 1.70 -14.86	78.90 2.46 -21.07	129.12 2.53 -65.10	88.45 2.06 -25.48	76.09 1.55 -22.58	61.28 1.39 -8.22	54.84 1.64 -3.12	57.84 1.77 -12.50
KEDC_GLWD_GT5 24220	49.72 1.03 -0.19	42.22 1.43 -0.18	43.40 1.41 -1.55	30.62 1.14 -0.01	30.33 1.10 -0.04	36.66 1.36 -0.19	54.70 1.62 -0.29	56.37 1.12 0.35	64.03 1.50 -3.67	64.32 1.74 1.01	60.03 1.49 -3.90	60.93 1.69 -3.82	78.02 2.53 0.21	73.11 2.48 -5.91	66.00 2.01 -7.56	60.51 1.60 -14.35	60.95 1.70 -14.86	78.90 2.46 -21.07	129.12 2.53 -65.10	88.45 2.06 -25.48	76.09 1.55 -22.58	61.28 1.39 -8.22	54.84 1.64 -3.12	57.84 1.77 -12.50
KENSICO____ 23655	49.78 0.94 -0.34	41.93 1.14 -0.18	42.28 1.00 -0.84	30.35 0.88 0.00	30.13 0.91 -0.04	36.37 1.07 -0.19	54.50 1.43 -0.29	57.07 1.47 0.00	60.61 1.75 0.00	65.55 1.96 0.00	56.23 1.59 0.00	58.57 1.81 -1.35	79.93 2.62 -1.62	67.34 2.45 -0.18	58.45 2.02 0.00	46.13 1.56 0.00	46.06 1.67 0.00	57.77 2.40 0.00	63.98 2.50 0.00	62.96 2.05 0.00	53.50 1.54 0.00	53.11 1.43 0.00	52.27 1.41 -0.78	46.28 1.29 -1.42
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	49.84 1.12 -0.23	41.91 1.17 -0.12	42.08 1.06 -0.57	30.35 0.88 0.00	30.11 0.90 -0.02	36.30 1.06 -0.13	54.55 1.57 -0.20	57.31 1.71 0.00	60.83 1.97 0.00	65.82 2.23 0.00	56.44 1.80 0.00	58.28 1.94 -0.92	79.56 2.76 -1.10	67.43 2.60 -0.12	58.47 2.04 0.00	46.21 1.65 0.00	46.14 1.75 0.00	57.84 2.46 0.00	64.27 2.79 0.00	63.38 2.47 0.00	53.91 1.95 0.00	53.48 1.81 0.00	52.23 1.69 -0.45	45.83 1.43 -0.83



KIAC_JFK_GT1 23816	49.72 0.88 -0.34	41.99 1.20 -0.18	42.29 1.00 -0.84	30.37 0.90 0.00	30.19 0.97 -0.04	36.42 1.11 -0.19	54.45 1.38 -0.29	57.12 1.45 -0.08	146.84 1.54 -86.44	68.19 1.58 -3.02	56.38 1.35 -0.39	60.01 1.57 -3.02	79.84 2.53 -1.62	67.32 2.43 -0.18	58.46 2.02 0.00	46.11 1.55 0.00	46.01 1.62 0.00	57.68 2.31 0.00	66.73 2.25 -3.00	62.77 1.86 0.00	53.33 1.38 0.00	53.12 1.26 -0.19	52.68 1.26 -1.33	46.16 1.16 -1.42
KIAC_JFK_GT2 23817	49.72 0.88 -0.34	41.99 1.20 -0.18	42.29 1.00 -0.84	30.37 0.90 0.00	30.19 0.97 -0.04	36.42 1.11 -0.19	54.45 1.38 -0.29	57.12 1.45 -0.08	146.84 1.54 -86.44	68.19 1.58 -3.02	56.38 1.35 -0.39	60.01 1.57 -3.02	79.84 2.53 -1.62	67.32 2.43 -0.18	58.46 2.02 0.00	46.11 1.55 0.00	46.01 1.62 0.00	57.68 2.31 0.00	66.73 2.25 -3.00	62.77 1.86 0.00	53.33 1.38 0.00	53.12 1.26 -0.19	52.68 1.26 -1.33	46.16 1.16 -1.42
KIAC_JFK____ 323774	49.72 0.88 -0.34	41.99 1.20 -0.18	42.28 1.00 -0.84	30.37 0.90 0.00	30.18 0.96 -0.04	36.41 1.11 -0.19	54.45 1.38 -0.29	57.16 1.48 -0.08	146.96 1.66 -86.44	68.35 1.74 -3.02	56.41 1.37 -0.39	60.16 1.71 -3.02	79.81 2.50 -1.62	67.31 2.42 -0.18	58.45 2.01 0.00	46.10 1.54 0.00	46.01 1.62 0.00	57.68 2.31 0.00	66.80 2.32 -3.00	62.70 1.78 0.00	53.23 1.27 0.00	53.10 1.24 -0.19	52.69 1.27 -1.33	46.14 1.15 -1.42
KINTIGH__24_KV_GSU 356498	52.09 1.31 -2.28	42.03 0.27 -1.16	41.82 0.27 -1.11	29.60 -0.18 -0.32	29.30 -0.16 -0.27	35.90 0.31 -0.48	56.06 0.33 -2.95	58.99 0.09 -3.30	61.74 -0.23 -3.11	66.42 -0.13 -2.97	57.89 0.64 -2.60	58.30 0.48 -2.40	79.76 0.65 -3.43	67.19 -0.13 -2.61	58.54 -0.08 -2.19	46.04 0.05 -1.43	45.45 -0.35 -1.41	57.48 -0.35 -2.46	63.85 -0.61 -2.97	63.13 -0.59 -2.81	53.93 -0.33 -2.30	53.79 -0.16 -2.27	52.37 0.09 -2.20	46.00 0.66 -1.78
KINTIGH____ 23543	52.05 1.27 -2.28	42.01 0.24 -1.16	41.79 0.24 -1.11	29.58 -0.20 -0.32	29.29 -0.17 -0.27	35.88 0.29 -0.48	56.02 0.73 -2.95	58.95 0.05 -3.30	61.70 -0.27 -3.11	66.36 -0.20 -2.97	57.84 0.59 -2.60	58.26 0.43 -2.40	79.68 0.56 -3.43	67.15 -0.17 -2.61	58.51 -0.11 -2.19	46.02 0.02 -1.43	45.42 -0.38 -1.41	57.42 -0.40 -2.46	63.79 -0.67 -2.97	63.09 -0.63 -2.81	53.88 -0.38 -2.30	53.72 -0.22 -2.27	52.32 0.04 -2.20	45.98 0.64 -1.78
KNTFSRNC_46_KV_46KV_LOAD 80397	50.59 2.10 0.00	42.27 1.66 0.00	42.01 1.57 0.00	30.56 1.09 0.00	30.05 0.85 0.00	36.11 1.00 0.00	53.51 0.73 0.00	55.75 0.15 0.00	58.81 -0.05 0.00	63.33 -0.26 0.00	54.25 -0.39 0.00	54.75 -0.67 0.00	74.89 -0.80 0.00	64.10 -0.62 0.00	55.71 -0.73 0.00	43.90 -0.66 0.00	43.65 -0.75 0.00	54.37 -1.00 0.00	60.62 -0.87 0.00	60.13 -0.78 0.00	51.50 -0.46 0.00	52.56 0.88 0.00	51.92 1.84 0.00	45.15 1.58 0.00
LACHUTE____HYDRO 323717	51.88 3.72 0.34	43.49 3.06 0.18	42.75 3.13 0.83	32.07 2.60 0.00	31.89 2.73 0.03	38.31 3.39 0.19	57.02 4.53 0.29	60.42 4.83 0.00	64.07 5.21 0.00	69.10 5.51 0.00	59.26 4.62 0.00	58.24 4.15 1.33	80.12 6.03 1.60	69.68 5.14 0.18	61.00 4.57 0.00	48.30 3.73 0.00	48.22 3.83 0.00	60.66 5.29 0.00	67.36 5.87 0.00	66.45 5.54 0.00	56.52 4.56 0.00	55.71 4.04 0.00	53.02 3.70 0.77	45.26 3.10 1.41
LAWRNCALV_115KV_TB1 80681	51.06 1.84 -0.73	42.33 1.36 -0.37	42.08 1.29 -0.35	30.39 0.82 -0.10	30.01 0.73 -0.09	36.25 0.99 -0.15	55.39 1.66 -0.94	58.46 1.74 -1.13	61.42 1.50 -1.06	65.95 1.33 -1.02	56.65 1.12 -0.88	57.15 0.94 -0.79	77.94 1.12 -1.12	66.38 0.81 -0.85	57.79 0.63 -0.72	45.52 0.48 -0.48	45.15 0.27 -0.49	56.15 -0.08 -0.86	63.09 0.56 -1.05	63.06 1.16 -0.99	53.81 1.04 -0.81	53.92 1.44 -0.80	52.45 1.60 -0.77	45.49 1.30 -0.62
LEDERLE____ 23769	49.96 1.14 -0.32	42.03 1.25 -0.17	42.32 1.09 -0.79	30.38 0.91 0.00	30.17 0.95 -0.03	36.42 1.13 -0.18	54.69 1.64 -0.27	57.34 1.74 0.00	60.83 1.96 0.00	65.75 2.16 0.00	56.42 1.77 0.00	58.69 2.00 -1.26	80.17 2.96 -1.52	67.60 2.72 -0.17	58.64 2.21 0.00	46.31 1.75 0.00	46.26 1.87 0.00	58.10 2.73 0.00	64.42 2.94 0.00	63.33 2.42 0.00	53.79 1.83 0.00	53.38 1.71 0.00	52.47 1.67 -0.73	46.38 1.48 -1.33
LIGHTHSE_115KV_TB6 355974	54.63 0.79 -5.35	43.83 0.51 -2.71	43.50 0.45 -2.60	30.52 0.31 -0.74	30.16 0.33 -0.64	36.74 0.51 -1.13	60.78 1.05 -6.95	64.99 1.06 -8.33	67.48 0.80 -7.82	71.61 0.50 -7.52	61.41 0.28 -6.49	61.28 0.05 -5.80	83.84 -0.12 -8.27	70.68 -0.33 -6.30	61.61 -0.11 -5.29	48.03 -0.07 -3.54	48.02 0.05 -3.58	62.12 0.49 -6.25	69.95 0.89 -7.57	69.19 1.12 -7.16	58.65 0.83 -5.86	58.45 0.99 -5.79	56.35 0.67 -5.59	48.51 0.42 -4.52
LINDEN COGEN____ 23786	40.25 0.84 9.08	34.47 1.11 7.25	34.59 0.91 6.76	28.00 0.86 2.33	22.71 0.88 7.36	26.64 1.03 9.50	46.16 1.36 7.98	48.80 1.44 8.24	54.12 1.73 6.47	33.10 1.88 32.37	25.46 1.58 30.76	38.10 1.81 19.14	45.69 2.61 32.62	47.53 2.46 19.65	37.77 2.04 20.71	39.40 1.58 6.74	40.07 1.65 5.97	41.59 2.44 16.21	41.83 2.60 22.25	42.98 1.96 19.89	42.20 1.43 11.18	40.45 1.30 12.52	42.70 1.31 8.69	41.55 1.27 3.28
LINDHRST_69_KV_BK1 356055	49.24 0.79 0.04	42.30 1.51 -0.18	43.07 1.69 -0.95	30.80 1.33 0.00	30.40 1.17 -0.04	36.80 1.50 -0.19	54.57 1.50 -0.29	55.64 1.01 0.97	56.42 1.34 3.77	57.27 1.54 7.86	53.01 1.29 2.93	51.46 1.53 5.49	69.29 2.35 8.75	57.24 2.32 9.80	52.22 1.87 6.08	51.65 1.59 -5.50	52.30 1.74 -6.17	55.48 2.45 2.35	80.59 2.58 -16.53	58.66 2.06 4.31	56.05 1.65 -2.44	40.35 1.53 12.86	50.34 1.56 1.30	46.91 1.92 -1.43
LIPA_MISC_IPP 23656	48.11 -0.28 0.11	41.50 0.71 -0.18	41.88 0.94 -0.50	30.29 0.82 0.00	29.92 0.70 -0.04	36.24 0.94 -0.19	53.66 0.59 -0.29	54.28 -0.17 1.15	53.08 0.12 5.90	53.75 0.36 10.20	49.64 0.37 5.38	47.26 0.61 8.78	65.50 0.97 11.16	51.25 1.24 14.71	46.99 1.03 10.48	47.66 1.02 -2.08	48.33 1.15 -2.78	46.64 1.63 10.37	61.24 1.70 1.94	47.58 1.10 14.42	47.98 0.75 4.72	32.00 0.54 20.21	47.32 0.54 3.30	40.43 1.13 4.27
LISF____SOLAR 323691	48.20 -0.19 0.11	41.56 0.77 -0.18	41.91 0.96 -0.51	30.29 0.82 0.00	29.97 0.74 -0.04	36.30 1.00 -0.19	53.74 0.67 -0.29	54.37 -0.08 1.15	53.17 0.19 5.88	53.80 0.38 10.18	49.76 0.47 5.35	47.32 0.63 8.74	65.59 1.03 11.13	51.44 1.37 14.65	47.17 1.17 10.43	47.81 1.13 -2.12	48.49 1.28 -2.82	46.85 1.75 10.27	61.52 1.77 1.73	47.86 1.25 14.30	48.18 0.86 4.64	32.16 0.62 20.13	47.43 0.62 3.27	40.61 1.24 4.20
LITTLE FALLS____HYD 24013	48.34 -0.16 0.00	40.74 0.13 0.00	40.59 0.15 0.00	29.79 0.32 0.00	29.55 0.36 0.00	35.53 0.42 0.00	53.48 0.70 0.00	56.36 0.76 0.00	59.68 0.81 0.00	64.43 0.84 0.00	55.09 0.45 0.00	55.80 0.38 0.00	76.54 0.85 0.00	65.67 0.95 0.00	57.24 0.81 0.00	45.15 0.58 0.00	45.21 0.82 0.00	57.01 1.64 0.00	62.72 1.24 0.00	61.45 0.54 0.00	52.31 0.36 0.00	51.94 0.27 0.00	50.00 -0.08 0.00	43.32 -0.25 0.00



LITTLRIV_115KV_TB1 356100	51.82 2.56 -0.77	42.97 1.97 -0.39	42.69 1.88 -0.38	30.81 1.24 -0.11	30.42 1.14 -0.09	36.80 1.53 -0.16	56.37 2.59 -1.00	59.48 2.68 -1.20	62.25 2.26 -1.13	66.54 1.86 -1.09	57.04 1.45 -0.94	57.43 1.17 -0.84	78.36 1.47 -1.20	66.66 1.04 -0.91	57.97 0.77 -0.76	45.75 0.68 -0.51	45.42 0.52 -0.52	56.65 0.36 -0.92	64.10 1.50 -1.12	64.24 2.27 -1.06	54.78 1.97 -0.86	54.84 2.31 -0.85	53.27 2.37 -0.82	46.18 1.95 -0.67
LI_NEWBRDGE___DRP 323616	48.59 0.23 0.14	41.78 0.99 -0.18	41.87 1.16 -0.27	30.42 0.96 0.01	30.02 0.79 -0.04	36.31 1.01 -0.19	53.92 0.85 -0.29	54.81 0.46 1.25	52.57 0.77 7.06	52.99 0.94 11.55	48.57 0.75 6.83	45.68 0.95 10.69	64.30 1.41 12.80	48.25 1.52 17.99	44.19 1.16 13.40	45.51 0.99 0.04	46.18 1.13 -0.67	41.57 1.78 15.58	49.99 1.82 13.32	41.16 1.27 21.02	43.58 0.95 9.32	27.88 0.79 24.58	46.44 0.88 4.52	36.96 1.28 7.88
LOCKPORT_115KV_TB60_63_64 80432	52.55 1.66 -2.41	42.27 0.44 -1.22	42.04 0.42 -1.17	29.64 -0.16 -0.33	29.36 -0.12 -0.29	36.08 0.46 -0.51	56.02 0.13 -3.11	58.95 -0.12 -3.47	61.67 -0.46 -3.27	66.32 -0.39 -3.12	57.86 0.48 -2.74	58.22 0.27 -2.53	79.74 0.44 -3.61	67.09 -0.38 -2.75	58.43 -0.31 -2.30	46.03 -0.04 -1.51	45.37 -0.51 -1.48	57.30 -0.65 -2.58	63.69 -0.92 -3.13	63.07 -0.80 -2.95	53.89 -0.49 -2.42	53.77 -0.29 -2.39	52.39 0.00 -2.31	46.29 0.86 -1.87
LOCKPORT___CC1 323769	52.55 1.64 -2.41	42.26 0.42 -1.22	42.03 0.42 -1.17	29.64 -0.16 -0.33	29.35 -0.13 -0.29	36.05 0.44 -0.51	56.06 0.17 -3.11	59.00 -0.08 -3.48	61.71 -0.43 -3.28	66.39 -0.33 -3.13	57.88 0.49 -2.75	58.25 0.29 -2.54	79.83 0.51 -3.62	67.12 -0.35 -2.76	58.46 -0.29 -2.31	46.04 -0.04 -1.51	45.35 -0.53 -1.49	57.34 -0.63 -2.59	63.72 -0.90 -3.14	63.06 -0.82 -2.97	53.91 -0.47 -2.43	53.81 -0.26 -2.40	52.45 0.05 -2.32	46.26 0.82 -1.88
LOCKPORT___CC2 323770	52.55 1.64 -2.41	42.26 0.42 -1.22	42.03 0.42 -1.17	29.64 -0.16 -0.33	29.35 -0.13 -0.29	36.05 0.44 -0.51	56.06 0.17 -3.11	59.00 -0.08 -3.48	61.71 -0.43 -3.28	66.39 -0.33 -3.13	57.88 0.49 -2.75	58.25 0.29 -2.54	79.83 0.51 -3.62	67.12 -0.35 -2.76	58.46 -0.29 -2.31	46.04 -0.04 -1.51	45.35 -0.53 -1.49	57.34 -0.63 -2.59	63.72 -0.90 -3.14	63.06 -0.82 -2.97	53.91 -0.47 -2.43	53.81 -0.26 -2.40	52.45 0.05 -2.32	46.26 0.82 -1.88
LOCKPORT___CC3 323771	52.55 1.64 -2.41	42.26 0.42 -1.22	42.03 0.42 -1.17	29.64 -0.16 -0.33	29.35 -0.13 -0.29	36.05 0.44 -0.51	56.06 0.17 -3.11	59.00 -0.08 -3.48	61.71 -0.43 -3.28	66.39 -0.33 -3.13	57.88 0.49 -2.75	58.25 0.29 -2.54	79.83 0.51 -3.62	67.12 -0.35 -2.76	58.46 -0.29 -2.31	46.04 -0.04 -1.51	45.35 -0.53 -1.49	57.34 -0.63 -2.59	63.72 -0.90 -3.14	63.06 -0.82 -2.97	53.91 -0.47 -2.43	53.81 -0.26 -2.40	52.45 0.05 -2.32	46.26 0.82 -1.88
LOCUSVLY_69_KV_BK2 55797	49.55 0.94 -0.11	42.28 1.48 -0.18	43.28 1.53 -1.31	30.71 1.23 -0.01	30.35 1.13 -0.04	36.70 1.40 -0.19	54.62 1.54 -0.29	56.20 1.16 0.55	61.58 1.53 -1.19	62.06 1.79 3.32	57.78 1.54 -1.60	57.85 1.76 -0.67	75.28 2.60 3.02	67.98 2.56 -0.71	61.51 2.05 -3.03	57.60 1.68 -11.36	58.10 1.78 -11.93	71.16 2.53 -13.25	112.84 2.65 -48.70	78.58 2.12 -15.55	69.43 1.63 -15.84	54.24 1.44 -1.13	53.23 1.55 -1.60	54.01 1.80 -8.64
LONG_LAKE_PHOENIX 24014	51.65 -0.29 -3.44	42.00 -0.36 -1.74	41.74 -0.38 -1.67	29.64 -0.30 -0.48	29.33 -0.27 -0.41	35.60 -0.23 -0.72	57.08 -0.17 -4.47	60.81 -0.14 -5.35	63.75 -0.11 -5.01	68.16 -0.29 -4.86	58.62 -0.21 -4.19	58.92 -0.24 -3.74	80.56 -0.47 -5.33	68.26 -0.51 -4.06	59.47 -0.37 -3.40	46.62 -0.22 -2.28	46.55 -0.16 -2.32	59.45 0.05 -4.03	66.33 -0.02 -4.87	65.44 -0.07 -4.60	55.67 -0.06 -3.77	55.28 -0.12 -3.72	53.49 -0.19 -3.59	46.28 -0.19 -2.91
LOVETT___3 23632	49.63 0.81 -0.33	41.79 1.01 -0.17	42.10 0.86 -0.80	30.24 0.77 0.00	30.01 0.79 -0.03	36.22 0.93 -0.18	54.34 1.28 -0.28	56.92 1.32 0.00	60.40 1.54 0.00	65.29 1.70 0.00	56.00 1.35 0.00	58.29 1.59 -1.28	79.58 2.35 -1.54	67.10 2.21 -0.17	58.21 1.78 0.00	45.96 1.40 0.00	45.89 1.50 0.00	57.61 2.24 0.00	63.86 2.37 0.00	62.80 1.89 0.00	53.36 1.40 0.00	52.96 1.29 0.00	52.10 1.29 -0.74	46.08 1.17 -1.35
LOVETT___4 23642	49.63 0.81 -0.33	41.79 1.01 -0.17	42.10 0.86 -0.80	30.24 0.77 0.00	30.01 0.79 -0.03	36.22 0.93 -0.18	54.34 1.28 -0.28	56.92 1.32 0.00	60.40 1.54 0.00	65.29 1.70 0.00	56.00 1.35 0.00	58.29 1.59 -1.28	79.58 2.35 -1.54	67.10 2.21 -0.17	58.21 1.78 0.00	45.96 1.40 0.00	45.89 1.50 0.00	57.61 2.24 0.00	63.86 2.37 0.00	62.80 1.89 0.00	53.36 1.40 0.00	52.96 1.29 0.00	52.10 1.29 -0.74	46.08 1.17 -1.35
LOVETT___5 23593	49.63 0.81 -0.33	41.79 1.01 -0.17	42.10 0.86 -0.80	30.24 0.77 0.00	30.01 0.79 -0.03	36.22 0.93 -0.18	54.34 1.28 -0.28	56.92 1.32 0.00	60.40 1.54 0.00	65.29 1.70 0.00	56.00 1.35 0.00	58.29 1.59 -1.28	79.58 2.35 -1.54	67.10 2.21 -0.17	58.21 1.78 0.00	45.96 1.40 0.00	45.89 1.50 0.00	57.61 2.24 0.00	63.86 2.37 0.00	62.80 1.89 0.00	53.36 1.40 0.00	52.96 1.29 0.00	52.10 1.29 -0.74	46.08 1.17 -1.35
LOWER RAQUET___HYD 24057	51.30 1.99 -0.82	42.50 1.48 -0.42	42.23 1.39 -0.40	30.48 0.90 -0.11	30.09 0.80 -0.10	36.37 1.09 -0.17	55.66 1.82 -1.07	58.78 1.90 -1.27	61.70 1.64 -1.19	66.18 1.43 -1.15	56.81 1.17 -1.00	57.27 0.95 -0.89	78.11 1.15 -1.27	66.53 0.85 -0.96	57.90 0.66 -0.81	45.61 0.50 -0.54	45.20 0.26 -0.55	56.26 -0.08 -0.97	63.24 0.58 -1.18	63.24 1.21 -1.12	53.97 1.10 -0.91	54.12 1.55 -0.90	52.67 1.72 -0.87	45.67 1.40 -0.71
LOWER___HUDSON 24059	48.31 0.27 0.45	40.75 0.38 0.24	39.74 0.40 1.11	29.89 0.42 0.00	29.59 0.45 0.05	35.38 0.52 0.25	52.97 0.57 0.38	56.21 0.61 0.00	59.67 0.81 0.00	64.44 0.85 0.00	55.27 0.62 0.00	54.27 0.63 1.78	74.52 0.96 2.13	65.47 0.99 0.23	57.25 0.82 0.00	45.20 0.63 0.00	45.07 0.68 0.00	56.50 1.13 0.00	62.42 0.94 0.00	61.69 0.77 0.00	52.63 0.67 0.00	52.29 0.62 0.00	49.57 0.52 1.03	42.13 0.44 1.87
LOWVILLE_115KV_TB2 356335	52.71 2.39 -1.83	43.35 1.81 -0.93	43.10 1.76 -0.89	30.99 1.27 -0.25	30.68 1.27 -0.22	37.17 1.68 -0.39	58.08 2.91 -2.38	61.45 3.00 -2.85	64.25 2.72 -2.67	68.52 2.34 -2.58	58.56 1.69 -2.23	58.78 1.36 -1.99	80.21 1.68 -2.84	68.26 1.38 -2.16	59.54 1.29 -1.81	46.80 1.02 -1.21	46.87 1.25 -1.23	59.67 2.11 -2.19	67.01 2.86 -2.67	66.65 3.21 -2.52	56.46 2.45 -2.06	55.97 2.26 -2.04	53.80 1.75 -1.97	46.38 1.22 -1.59
LUTHERFT_115KV_GLOB_FND_222 355753	49.28 1.14 0.35	41.49 1.07 0.19	40.67 1.08 0.86	30.36 0.89 0.00	30.08 0.92 0.04	36.01 1.10 0.20	54.01 1.52 0.30	57.24 1.64 0.00	60.70 1.84 0.00	65.54 1.94 0.00	56.25 1.61 0.00	55.63 1.58 1.38	76.31 2.28 1.66	66.58 2.05 0.18	58.23 1.80 0.00	45.96 1.40 0.00	45.86 1.47 0.00	57.55 2.17 0.00	63.65 2.17 0.00	62.96 2.05 0.00	53.66 1.71 0.00	53.27 1.59 0.00	50.71 1.43 0.80	43.30 1.19 1.45



LUTHERNY_35_KV_BK2 355980	49.28 1.14 0.35	41.50 1.08 0.19	40.66 1.08 0.86	30.35 0.88 0.00	30.08 0.92 0.04	36.01 1.10 0.20	54.04 1.56 0.30	57.30 1.70 0.00	60.74 1.88 0.00	65.57 1.98 0.00	56.28 1.64 0.00	55.67 1.63 1.38	76.36 2.33 1.66	66.60 2.07 0.18	58.27 1.83 0.00	45.96 1.40 0.00	45.88 1.49 0.00	57.64 2.27 0.00	63.78 2.30 0.00	63.08 2.17 0.00	53.77 1.81 0.00	53.33 1.66 0.00	50.78 1.50 0.80	43.33 1.21 1.45
LWR___OSWEGATCHIE_HYD 23850	52.25 2.23 -1.53	43.06 1.67 -0.78	42.78 1.59 -0.74	30.78 1.10 -0.21	30.43 1.05 -0.18	36.84 1.41 -0.32	57.20 2.43 -1.99	60.48 2.50 -2.38	63.28 2.18 -2.23	67.62 1.88 -2.15	57.90 1.40 -1.86	58.16 1.08 -1.66	79.33 1.27 -2.37	67.46 0.95 -1.80	58.80 0.85 -1.51	46.23 0.65 -1.01	46.02 0.60 -1.03	58.09 0.90 -1.81	65.33 1.64 -2.20	65.17 2.17 -2.08	55.40 1.74 -1.70	55.39 2.04 -1.69	53.56 1.85 -1.63	46.27 1.39 -1.32
LYONS_FALL_HYD 23570	51.87 1.92 -1.46	42.81 1.46 -0.74	42.58 1.43 -0.71	30.70 1.03 -0.20	30.42 1.05 -0.17	36.80 1.39 -0.31	57.06 2.39 -1.89	60.37 2.51 -2.26	63.29 2.32 -2.11	67.70 2.06 -2.05	57.96 1.55 -1.77	58.38 1.37 -1.58	79.77 1.83 -2.26	67.94 1.51 -1.72	59.24 1.37 -1.44	46.59 1.07 -0.97	46.67 1.30 -0.98	59.13 2.00 -1.76	66.15 2.52 -2.15	65.66 2.71 -2.03	55.72 2.10 -1.67	55.26 1.94 -1.65	53.22 1.55 -1.59	45.98 1.13 -1.29
MADISON___COUNTY_LFGE 323628	51.93 1.48 -1.96	42.73 1.13 -1.00	42.51 1.11 -0.95	30.54 0.80 -0.27	30.27 0.84 -0.23	36.65 1.12 -0.41	57.28 1.95 -2.55	60.80 2.15 -3.05	63.83 2.13 -2.84	68.31 1.94 -2.77	58.66 1.61 -2.40	59.20 1.64 -2.13	81.07 2.34 -3.05	68.94 1.91 -2.32	60.05 1.67 -1.95	47.12 1.25 -1.30	47.26 1.54 -1.33	59.83 2.01 -2.44	66.76 2.26 -3.02	66.04 2.27 -2.85	56.15 1.86 -2.34	55.68 1.70 -2.31	53.78 1.47 -2.23	46.52 1.15 -1.80
MALONE___115KV_TB1 356076	50.56 2.06 0.00	42.17 1.56 0.00	41.91 1.47 0.00	30.43 0.96 0.00	29.97 0.78 0.00	36.12 1.02 0.00	54.12 1.34 0.00	56.91 1.31 0.00	59.98 1.12 0.00	64.50 0.91 0.00	55.30 0.66 0.00	55.94 0.52 0.00	76.48 0.79 0.00	65.28 0.56 0.00	56.80 0.36 0.00	44.73 0.17 0.00	44.46 0.07 0.00	55.29 -0.08 0.00	61.89 0.40 0.00	61.66 0.75 0.00	52.73 0.77 0.00	53.09 1.42 0.00	51.90 1.82 0.00	45.06 1.49 0.00
MAPLEWOD_115KV_TB3 80458	48.01 -0.18 0.31	40.48 0.04 0.16	39.68 0.00 0.76	29.58 0.11 0.00	29.30 0.13 0.03	35.06 0.13 0.17	52.48 -0.04 0.26	55.60 0.00 0.00	59.05 0.19 0.00	63.79 0.20 0.00	54.73 0.09 0.00	54.31 0.11 1.22	74.47 0.24 1.47	64.95 0.39 0.16	56.72 0.28 0.00	44.78 0.22 0.00	44.67 0.28 0.00	55.94 0.57 0.00	61.77 0.29 0.00	61.05 0.14 0.00	52.07 0.12 0.00	51.79 0.11 0.00	49.39 0.02 0.70	42.28 0.00 1.29
MAPLE_RIDGE_WT_1 323574	48.64 0.15 0.00	40.70 0.09 0.00	40.53 0.08 0.00	29.51 0.04 0.00	29.22 0.03 0.00	35.14 0.03 0.00	52.83 0.05 0.00	55.63 0.03 0.00	58.81 -0.05 0.00	63.57 -0.02 0.00	54.69 0.04 0.00	55.46 0.03 0.00	75.72 0.03 0.00	64.73 0.01 0.00	56.43 0.00 0.00	44.55 -0.02 0.00	44.30 -0.09 0.00	55.12 -0.25 0.00	61.29 -0.20 0.00	60.78 -0.13 0.00	51.80 -0.16 0.00	51.52 -0.15 0.00	49.90 -0.18 0.00	43.32 -0.25 0.00
MAPLE_RIDGE_WT_2 323611	48.64 0.15 0.00	40.70 0.09 0.00	40.53 0.08 0.00	29.51 0.04 0.00	29.22 0.03 0.00	35.14 0.03 0.00	52.83 0.05 0.00	55.63 0.03 0.00	58.81 -0.05 0.00	63.57 -0.02 0.00	54.69 0.04 0.00	55.46 0.03 0.00	75.72 0.03 0.00	64.73 0.01 0.00	56.43 0.00 0.00	44.55 -0.02 0.00	44.30 -0.09 0.00	55.12 -0.25 0.00	61.29 -0.20 0.00	60.78 -0.13 0.00	51.80 -0.16 0.00	51.52 -0.15 0.00	49.90 -0.18 0.00	43.32 -0.25 0.00
MARBLE_RIVER_WT_PWR 323696	50.41 1.91 0.00	42.14 1.53 0.00	41.87 1.43 0.00	30.49 1.02 0.00	29.93 0.74 0.00	35.90 0.79 0.00	53.09 0.31 0.00	55.16 -0.44 0.00	58.18 -0.68 0.00	62.58 -1.01 0.00	53.63 -1.01 0.00	54.12 -1.30 0.00	74.14 -1.56 0.00	63.48 -1.23 0.00	55.14 -1.29 0.00	43.49 -1.08 0.00	43.26 -1.13 0.00	53.74 -1.63 0.00	59.77 -1.71 0.00	59.04 -1.88 0.00	50.56 -1.39 0.00	51.86 0.19 0.00	51.47 1.38 0.00	44.74 1.17 0.00
MARSHVLE_115KV_TB1 80742	50.92 2.62 0.20	42.62 2.12 0.10	42.04 2.08 0.49	30.94 1.47 0.00	30.61 1.44 0.02	36.76 1.76 0.11	55.61 3.00 0.17	58.93 3.33 0.00	62.27 3.40 0.00	67.12 3.53 0.00	57.63 2.99 0.00	57.55 2.91 0.78	78.69 3.94 0.94	67.84 3.22 0.10	59.40 2.96 0.00	47.00 2.44 0.00	46.78 2.39 0.00	58.32 2.95 0.00	64.81 3.33 0.00	64.16 3.25 0.00	54.65 2.70 0.00	54.41 2.74 0.00	52.12 2.50 0.45	44.86 2.12 0.82
MARSH_HILL_WT_PWR 323713	53.77 2.16 -3.12	43.26 1.06 -1.58	42.93 0.97 -1.52	30.36 0.46 -0.43	30.11 0.54 -0.37	36.81 1.05 -0.66	58.74 1.92 -4.05	62.34 1.94 -4.80	64.78 1.39 -4.53	69.31 1.39 -4.33	59.32 0.92 -3.76	59.60 0.78 -3.39	81.81 1.29 -4.83	68.93 0.54 -3.67	60.11 0.59 -3.08	47.31 0.70 -2.05	46.81 0.37 -2.05	60.18 1.22 -3.58	67.26 1.44 -4.34	66.00 0.99 -4.10	56.39 1.08 -3.35	55.78 0.79 -3.32	54.18 0.90 -3.20	47.48 1.32 -2.59
MCINTYRE_115KV_TB2 80467	51.91 2.72 -0.70	43.07 2.11 -0.36	42.79 2.01 -0.34	30.88 1.32 -0.10	30.50 1.23 -0.08	36.90 1.64 -0.15	56.47 2.78 -0.91	59.59 2.90 -1.09	62.24 2.36 -1.02	66.48 1.91 -0.98	56.98 1.49 -0.85	57.41 1.22 -0.76	78.35 1.57 -1.09	66.61 1.07 -0.82	57.94 0.81 -0.69	45.78 0.75 -0.46	45.38 0.52 -0.47	56.61 0.40 -0.83	64.34 1.84 -1.01	64.57 2.70 -0.95	55.05 2.31 -0.78	54.99 2.54 -0.77	53.38 2.56 -0.75	46.29 2.11 -0.60
MECO_____69_KV_BK1 80468	50.86 2.58 0.22	42.62 2.13 0.12	41.99 2.09 0.54	30.99 1.52 0.00	30.70 1.53 0.02	36.88 1.90 0.12	55.72 3.12 0.19	59.13 3.53 0.00	62.56 3.70 0.00	67.35 3.76 0.00	57.85 3.20 0.00	57.55 2.99 0.86	78.76 4.11 1.04	67.99 3.39 0.11	59.60 3.16 0.00	47.12 2.56 0.00	47.06 2.67 0.00	58.86 3.48 0.00	65.35 3.86 0.00	64.65 3.74 0.00	55.07 3.11 0.00	54.72 3.05 0.00	52.31 2.73 0.50	44.94 2.29 0.91
MENANDS___115KV_TB5 355628	47.64 -0.55 0.31	40.18 -0.26 0.16	39.39 -0.29 0.76	29.38 -0.09 0.00	29.09 -0.07 0.03	34.81 -0.12 0.17	52.06 -0.46 0.26	55.14 -0.46 0.00	58.56 -0.30 0.00	63.28 -0.31 0.00	54.27 -0.37 0.00	53.87 -0.34 1.22	73.86 -0.37 1.46	64.43 -0.13 0.16	56.27 -0.17 0.00	44.43 -0.14 0.00	44.31 -0.08 0.00	55.48 0.11 0.00	61.22 -0.26 0.00	60.50 -0.41 0.00	51.60 -0.35 0.00	51.34 -0.34 0.00	48.97 -0.41 0.70	41.93 -0.36 1.28
MG INDUSTRY___DRP 24185	46.95 -1.38 0.17	39.58 -0.94 0.09	39.14 -0.89 0.41	28.91 -0.56 0.00	28.64 -0.53 0.02	34.28 -0.73 0.09	51.28 -1.35 0.14	54.14 -1.45 0.00	57.41 -1.45 0.00	62.04 -1.55 0.00	53.21 -1.44 0.00	53.31 -1.45 0.66	72.96 -1.94 0.79	63.16 -1.47 0.09	55.10 -1.34 0.00	43.51 -1.05 0.00	43.41 -0.98 0.00	54.35 -1.02 0.00	59.98 -1.50 0.00	59.32 -1.59 0.00	50.66 -1.30 0.00	50.43 -1.25 0.00	48.41 -1.29 0.39	41.75 -1.11 0.71



MID___OSWEGATCHIE_HYD 23849	52.25 2.23 -1.53	43.06 1.67 -0.78	42.78 1.59 -0.74	30.78 1.10 -0.21	30.43 1.05 -0.18	36.84 1.41 -0.32	57.20 2.43 -1.99	60.48 2.50 -2.38	63.28 2.18 -2.23	67.62 1.88 -2.15	57.90 1.40 -1.86	58.16 1.08 -1.66	79.33 1.27 -2.37	67.46 0.95 -1.80	58.80 0.85 -1.51	46.23 0.65 -1.01	46.02 0.60 -1.03	58.09 0.90 -1.81	65.33 1.64 -2.20	65.17 2.17 -2.08	55.40 1.74 -1.70	55.39 2.04 -1.69	53.56 1.85 -1.63	46.27 1.39 -1.32
MID___RAQUETTE_HYD 23851	51.30 1.98 -0.82	42.50 1.48 -0.42	42.23 1.39 -0.40	30.48 0.90 -0.11	30.09 0.80 -0.10	36.36 1.09 -0.17	55.67 1.82 -1.07	58.78 1.90 -1.27	61.70 1.64 -1.19	66.18 1.43 -1.15	56.81 1.17 -1.00	57.27 0.96 -0.89	78.11 1.15 -1.27	66.53 0.85 -0.96	57.90 0.66 -0.81	45.61 0.50 -0.54	45.20 0.26 -0.55	56.26 -0.08 -0.97	63.24 0.58 -1.18	63.24 1.21 -1.12	53.97 1.10 -0.91	54.13 1.55 -0.90	52.67 1.72 -0.87	45.67 1.40 -0.71
MILLIKEN___1 23584	53.78 0.98 -4.30	43.40 0.61 -2.18	43.14 0.61 -2.09	30.47 0.40 -0.59	30.18 0.48 -0.51	36.72 0.71 -0.91	59.61 1.23 -5.59	63.66 1.28 -6.78	66.45 1.20 -6.38	71.03 1.34 -6.09	60.93 1.03 -5.25	61.06 0.94 -4.69	83.70 1.33 -6.68	70.71 0.91 -5.09	61.60 0.90 -4.27	48.17 0.74 -2.86	48.04 0.75 -2.90	61.79 1.35 -5.06	69.23 1.62 -6.13	68.17 1.47 -5.79	58.01 1.32 -4.74	57.51 1.15 -4.68	55.65 1.05 -4.52	48.12 0.90 -3.66
MILLIKEN___2 23585	53.78 0.98 -4.30	43.40 0.61 -2.18	43.14 0.61 -2.09	30.47 0.40 -0.59	30.18 0.48 -0.51	36.72 0.71 -0.91	59.61 1.23 -5.59	63.66 1.28 -6.78	66.45 1.20 -6.38	71.03 1.34 -6.09	60.93 1.03 -5.25	61.06 0.94 -4.69	83.70 1.33 -6.68	70.71 0.91 -5.09	61.60 0.90 -4.27	48.17 0.74 -2.86	48.04 0.75 -2.90	61.79 1.35 -5.06	69.23 1.62 -6.13	68.17 1.47 -5.79	58.01 1.32 -4.74	57.51 1.15 -4.68	55.65 1.05 -4.52	48.12 0.90 -3.66
MILLIKEN___DIESEL 23629	53.78 0.98 -4.30	43.40 0.61 -2.18	43.14 0.61 -2.09	30.47 0.40 -0.59	30.18 0.48 -0.51	36.72 0.71 -0.91	59.61 1.23 -5.59	63.66 1.28 -6.78	66.45 1.20 -6.38	71.03 1.34 -6.09	60.93 1.03 -5.25	61.06 0.94 -4.69	83.70 1.33 -6.68	70.71 0.91 -5.09	61.60 0.90 -4.27	48.17 0.74 -2.86	48.04 0.75 -2.90	61.79 1.35 -5.06	69.23 1.62 -6.13	68.17 1.47 -5.79	58.01 1.32 -4.74	57.51 1.15 -4.68	55.65 1.05 -4.52	48.12 0.90 -3.66
MILLSEAT___LFGE 323607	53.35 2.46 -2.40	43.01 1.18 -1.22	42.76 1.16 -1.17	30.22 0.42 -0.33	29.94 0.47 -0.28	36.76 1.14 -0.51	57.29 1.42 -3.10	60.46 1.44 -3.42	63.22 1.14 -3.22	67.96 1.28 -3.08	59.05 1.71 -2.70	59.55 1.61 -2.51	81.46 2.18 -3.58	68.45 1.01 -2.73	59.67 0.95 -2.29	47.02 0.96 -1.49	46.62 0.77 -1.47	58.97 1.04 -2.55	65.81 1.24 -3.08	65.17 1.34 -2.92	55.60 1.26 -2.39	55.33 1.30 -2.36	53.75 1.39 -2.28	47.20 1.79 -1.84
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	49.68 0.85 -0.34	41.84 1.05 -0.18	42.19 0.92 -0.84	30.28 0.82 0.00	30.06 0.83 -0.04	36.29 0.99 -0.19	54.39 1.32 -0.29	56.96 1.36 0.00	60.48 1.62 0.00	65.40 1.81 0.00	56.09 1.45 0.00	58.42 1.66 -1.34	79.73 2.43 -1.61	67.18 2.29 -0.18	58.30 1.86 0.00	46.02 1.46 0.00	45.94 1.55 0.00	57.64 2.27 0.00	63.85 2.37 0.00	62.82 1.91 0.00	53.39 1.44 0.00	53.00 1.33 0.00	52.17 1.31 -0.77	46.18 1.20 -1.42
MILLWOOD_13_KV_LOAD 356217	49.77 0.93 -0.34	41.92 1.13 -0.18	42.26 0.98 -0.84	30.33 0.86 0.00	30.11 0.88 -0.04	36.35 1.05 -0.19	54.47 1.40 -0.29	57.05 1.45 0.00	60.59 1.73 0.00	65.51 1.91 0.00	56.19 1.55 0.00	58.51 1.75 -1.34	79.88 2.58 -1.61	67.30 2.41 -0.18	58.41 1.98 0.00	46.11 1.55 0.00	46.03 1.64 0.00	57.76 2.38 0.00	63.99 2.50 0.00	62.96 2.05 0.00	53.50 1.54 0.00	53.10 1.43 0.00	52.26 1.40 -0.77	46.25 1.27 -1.42
MODEL_CITY_ENERGY 24167	52.14 1.24 -2.41	41.94 0.11 -1.22	41.73 0.11 -1.17	29.42 -0.38 -0.33	29.13 -0.35 -0.29	35.82 0.20 -0.51	55.49 -0.40 -3.11	58.38 -0.71 -3.48	61.07 -1.07 -3.28	65.70 -1.03 -3.13	57.33 -0.06 -2.74	57.67 -0.29 -2.54	79.04 -0.27 -3.61	66.46 -1.01 -2.75	57.89 -0.86 -2.31	45.64 -0.44 -1.51	44.92 -0.96 -1.49	56.73 -1.24 -2.59	63.01 -1.62 -3.14	62.37 -1.51 -2.97	53.32 -1.06 -2.43	53.24 -0.83 -2.40	51.91 -0.49 -2.32	45.91 0.47 -1.88
MODERN_LFGE___ 323580	52.14 1.24 -2.41	41.94 0.11 -1.22	41.73 0.11 -1.17	29.42 -0.38 -0.33	29.13 -0.35 -0.29	35.82 0.20 -0.51	55.49 -0.40 -3.11	58.38 -0.71 -3.48	61.07 -1.07 -3.28	65.70 -1.03 -3.13	57.33 -0.06 -2.74	57.67 -0.29 -2.54	79.04 -0.27 -3.61	66.46 -1.01 -2.75	57.89 -0.86 -2.31	45.64 -0.44 -1.51	44.92 -0.96 -1.49	56.73 -1.24 -2.59	63.01 -1.62 -3.14	62.37 -1.51 -2.97	53.32 -1.06 -2.43	53.24 -0.83 -2.40	51.91 -0.49 -2.32	45.91 0.47 -1.88
MOHAWK_PAPER___DRP 24187	48.01 -0.18 0.31	40.48 0.04 0.16	39.68 0.00 0.76	29.58 0.11 0.00	29.30 0.13 0.03	35.06 0.13 0.17	52.48 -0.04 0.26	55.60 0.00 0.00	59.05 0.19 0.00	63.79 0.20 0.00	54.73 0.09 0.00	54.31 0.11 1.22	74.47 0.24 1.47	64.95 0.39 0.16	56.72 0.28 0.00	44.78 0.22 0.00	44.67 0.28 0.00	55.94 0.57 0.00	61.77 0.29 0.00	61.05 0.14 0.00	52.07 0.12 0.00	51.79 0.11 0.00	49.39 0.02 0.70	42.28 0.00 1.29
MOHICAN___35_KV_115KV_LD 80490	49.60 1.44 0.34	41.69 1.27 0.18	40.93 1.33 0.84	30.56 1.09 0.00	30.31 1.15 0.04	36.30 1.38 0.19	54.30 1.81 0.29	57.53 1.93 0.00	61.07 2.21 0.00	65.91 2.32 0.00	56.56 1.92 0.00	55.86 1.79 1.35	76.69 2.62 1.62	66.92 2.38 0.18	58.50 2.07 0.00	46.17 1.61 0.00	46.06 1.67 0.00	57.85 2.48 0.00	64.09 2.61 0.00	63.46 2.55 0.00	54.05 2.09 0.00	53.56 1.89 0.00	50.97 1.67 0.78	43.52 1.38 1.42
MONGAUP___HYD 23641	49.89 1.10 -0.29	41.90 1.14 -0.15	42.18 1.03 -0.71	30.32 0.85 0.00	30.08 0.86 -0.03	36.30 1.04 -0.16	54.56 1.54 -0.24	57.25 1.65 0.00	60.65 1.79 0.00	65.55 1.96 0.00	56.21 1.56 0.00	58.17 1.61 -1.14	79.36 2.30 -1.37	66.88 2.02 -0.15	58.21 1.78 0.00	45.72 1.15 0.00	45.80 1.41 0.00	57.59 2.22 0.00	64.04 2.56 0.00	63.24 2.32 0.00	53.84 1.88 0.00	53.62 1.95 0.00	52.38 1.65 -0.65	46.14 1.38 -1.18
MONTAUK___DIESEL 23721	48.47 0.08 0.11	41.92 1.13 -0.18	42.62 1.67 -0.50	31.11 1.65 0.00	30.89 1.66 -0.04	37.49 2.20 -0.19	55.55 2.48 -0.29	56.04 1.59 1.15	55.20 2.23 5.89	56.30 2.90 10.19	51.98 2.70 5.37	49.57 2.91 8.76	68.64 4.10 11.15	53.93 3.90 14.69	49.38 3.41 10.46	49.57 2.91 -2.10	50.21 3.02 -2.80	48.95 3.91 10.33	63.80 4.19 1.87	50.09 3.56 14.38	50.05 2.78 4.69	33.98 2.48 20.18	49.08 2.29 3.29	41.89 2.57 4.25
MOONROAD_115KV_HARTFLD_TB1-2 355988	53.71 2.72 -2.50	43.15 1.27 -1.27	42.88 1.22 -1.22	30.31 0.49 -0.34	30.03 0.54 -0.30	36.78 1.14 -0.53	58.26 2.24 -3.23	61.65 2.39 -3.66	64.24 1.94 -3.45	69.14 2.26 -3.29	60.26 2.74 -2.87	60.81 2.74 -2.64	83.06 3.61 -3.76	69.74 2.16 -2.86	60.98 2.14 -2.40	48.05 1.91 -1.58	47.42 1.46 -1.56	60.00 1.90 -2.72	66.71 1.93 -3.29	65.65 1.63 -3.11	56.18 1.68 -2.55	55.82 1.63 -2.52	54.32 1.81 -2.43	47.50 1.97 -1.96



MORRIS RIDGE___SOLAR 323848	52.80 1.51 -2.80	42.57 0.54 -1.42	42.31 0.50 -1.36	29.93 0.07 -0.39	29.67 0.14 -0.33	36.24 0.54 -0.59	57.38 0.96 -3.63	60.71 0.84 -4.26	63.18 0.30 -4.02	67.70 0.27 -3.84	57.94 -0.04 -3.34	58.31 -0.14 -3.03	80.17 0.15 -4.32	67.61 -0.39 -3.29	58.91 -0.28 -2.76	46.41 0.02 -1.83	45.96 -0.25 -1.82	58.89 0.34 -3.18	65.66 0.33 -3.85	64.58 0.03 -3.63	55.18 0.25 -2.98	54.83 0.21 -2.94	53.31 0.39 -2.84	46.64 0.77 -2.30
MORTIMER_115KV_TB3 55949	52.02 1.16 -2.37	42.26 0.45 -1.20	42.02 0.42 -1.15	29.88 0.09 -0.33	29.60 0.13 -0.28	36.09 0.48 -0.50	56.67 0.84 -3.04	59.70 0.84 -3.26	62.60 0.67 -3.07	67.34 0.81 -2.93	58.40 1.17 -2.59	58.96 1.09 -2.45	80.62 1.44 -3.49	68.26 0.90 -2.65	59.51 0.85 -2.23	46.78 0.77 -1.44	46.48 0.69 -1.39	58.93 1.13 -2.43	65.51 1.09 -2.94	64.75 1.07 -2.77	55.16 0.94 -2.27	54.80 0.88 -2.24	53.09 0.84 -2.17	46.26 0.94 -1.75
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	49.99 1.16 -0.34	42.16 1.37 -0.18	42.47 1.19 -0.84	30.50 1.03 0.00	30.29 1.07 -0.04	36.56 1.26 -0.19	54.75 1.68 -0.29	57.35 1.75 0.00	111.96 2.12 -50.99	67.27 2.33 -1.34	56.58 1.94 0.00	58.96 2.19 -1.35	80.44 3.13 -1.62	67.77 2.88 -0.18	58.84 2.40 0.00	46.43 1.87 0.00	46.33 1.94 0.00	58.09 2.72 0.00	64.33 2.85 0.00	63.27 2.36 0.00	53.74 1.79 0.00	53.35 1.68 0.00	52.51 1.65 -0.78	46.50 1.51 -1.42
MUNSVILLE_WIND_PWR 323609	54.72 3.20 -3.02	44.57 2.43 -1.53	44.34 2.42 -1.47	31.62 1.73 -0.42	31.35 1.79 -0.36	38.14 2.40 -0.64	60.82 4.11 -3.93	64.67 4.35 -4.73	67.55 4.23 -4.45	72.27 4.44 -4.24	61.94 3.64 -3.66	62.40 3.69 -3.28	85.79 5.42 -4.68	72.42 4.15 -3.56	62.95 3.53 -2.99	49.36 2.80 -2.00	49.33 2.92 -2.02	63.44 4.55 -3.52	70.80 5.05 -4.27	69.82 4.87 -4.03	59.23 3.98 -3.30	58.29 3.36 -3.26	56.03 2.80 -3.15	48.49 2.38 -2.55
N SALMON___HYD 24042	50.56 2.06 0.00	42.17 1.56 0.00	41.91 1.47 0.00	30.43 0.96 0.00	29.97 0.78 0.00	36.12 1.02 0.00	54.12 1.34 0.00	56.91 1.31 0.00	59.98 1.12 0.00	64.50 0.91 0.00	55.30 0.66 0.00	55.94 0.52 0.00	76.47 0.78 0.00	65.28 0.57 0.00	56.80 0.36 0.00	44.73 0.17 0.00	44.46 0.07 0.00	55.29 -0.08 0.00	61.89 0.40 0.00	61.66 0.75 0.00	52.73 0.77 0.00	53.09 1.42 0.00	51.90 1.82 0.00	45.06 1.49 0.00
N.AKRON___115KV_KNAPP 355671	53.53 2.63 -2.40	43.15 1.32 -1.22	42.89 1.28 -1.17	30.31 0.51 -0.33	30.04 0.56 -0.28	36.88 1.26 -0.51	57.46 1.59 -3.10	60.66 1.63 -3.43	63.40 1.31 -3.23	68.13 1.46 -3.08	59.24 1.88 -2.71	59.73 1.79 -2.52	81.69 2.42 -3.59	68.64 1.20 -2.73	59.83 1.11 -2.29	47.15 1.09 -1.50	46.77 0.91 -1.47	59.10 1.17 -2.56	65.98 1.40 -3.09	65.37 1.54 -2.92	55.77 1.42 -2.39	55.46 1.43 -2.36	53.88 1.51 -2.28	47.36 1.94 -1.85
N.E_GEN_SANDY PD 24062	38.81 -0.12 9.57	37.64 0.17 3.13	33.37 0.15 7.22	29.75 0.28 0.00	29.18 0.29 0.30	29.68 0.33 5.76	50.54 0.25 2.50	55.86 0.26 0.00	59.32 0.46 0.00	64.10 0.51 0.00	54.94 0.29 0.00	44.19 0.35 11.58	62.37 0.59 13.91	63.95 0.76 1.53	57.00 0.56 0.00	44.99 0.43 0.00	44.89 0.50 0.00	54.31 0.91 1.97	64.85 0.71 -2.65	61.39 0.48 0.00	52.33 0.37 0.00	51.96 0.29 0.00	43.60 0.22 6.69	31.57 0.23 12.23
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	49.76 0.94 -0.32	41.87 1.09 -0.17	42.17 0.94 -0.79	30.29 0.82 0.00	30.06 0.84 -0.03	36.29 1.00 -0.18	54.46 1.40 -0.27	57.06 1.46 0.00	60.53 1.67 0.00	65.45 1.86 0.00	56.14 1.50 0.00	58.42 1.72 -1.27	79.78 2.57 -1.53	67.27 2.39 -0.17	58.36 1.92 0.00	46.08 1.52 0.00	46.02 1.64 0.00	57.79 2.41 0.00	64.08 2.59 0.00	63.00 2.09 0.00	53.51 1.56 0.00	53.12 1.44 0.00	52.23 1.42 -0.73	46.19 1.29 -1.33
N.QUEENS_27_KV_LOAD 356247	50.30 1.46 -0.34	42.46 1.67 -0.18	42.69 1.41 -0.84	30.64 1.17 0.00	30.39 1.16 -0.04	36.71 1.41 -0.19	55.06 1.99 -0.29	57.84 2.20 -0.04	128.60 2.64 -67.10	68.35 2.59 -2.17	56.92 2.02 -0.25	60.03 2.35 -2.25	80.40 3.09 -1.62	67.81 2.92 -0.18	58.85 2.41 0.00	46.44 1.87 0.00	46.36 1.97 0.00	58.03 2.66 0.00	65.90 2.80 -1.61	63.28 2.37 0.00	53.77 1.81 0.00	53.45 1.68 -0.10	52.89 1.73 -1.08	46.51 1.52 -1.42
N.TROY___115KV_TB1 355778	48.31 0.27 0.45	40.74 0.38 0.24	39.74 0.40 1.11	29.89 0.42 0.00	29.59 0.45 0.05	35.38 0.52 0.25	52.96 0.57 0.38	56.21 0.61 0.00	59.67 0.81 0.00	64.44 0.85 0.00	55.27 0.62 0.00	54.27 0.63 1.78	74.53 0.97 2.13	65.47 0.99 0.23	57.25 0.82 0.00	45.20 0.63 0.00	45.07 0.68 0.00	56.51 1.14 0.00	62.42 0.94 0.00	61.69 0.77 0.00	52.63 0.67 0.00	52.30 0.63 0.00	49.57 0.52 1.03	42.13 0.44 1.87
NARROWS_GT1_1 24228	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT1_2 24229	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT1_3 24230	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT1_4 24231	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT1_5 24232	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90



NARROWS_GT1_6 24233	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT1_7 24234	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT1_8 24235	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_1 24236	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_2 24237	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_3 24238	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_4 24239	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_5 24240	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_6 24241	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_7 24242	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NARROWS_GT2_8 24243	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.77 2.20 -0.79	58.78 2.37 -0.82	153.45 2.82 -91.77	70.66 3.01 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.36 3.70 -1.97	68.66 3.32 -0.61	60.71 3.00 -1.27	47.21 2.30 -0.35	47.06 2.34 -0.33	58.58 3.17 -0.04	64.71 3.23 0.00	64.59 3.02 -0.65	54.86 2.39 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	48.02 -0.37 0.11	40.37 -0.18 0.06	40.07 -0.10 0.27	29.43 -0.04 0.00	29.17 -0.01 0.01	35.01 -0.04 0.06	52.49 -0.19 0.09	55.52 -0.08 0.00	58.95 0.08 0.00	63.66 0.07 0.00	54.59 -0.05 0.00	55.04 0.05 0.44	75.19 0.02 0.52	64.72 0.06 0.06	56.47 0.03 0.00	44.65 0.09 0.00	44.57 0.18 0.00	55.87 0.50 0.00	61.65 0.16 0.00	61.05 0.14 0.00	52.12 0.16 0.00	51.78 0.11 0.00	49.74 -0.07 0.27	42.96 -0.11 0.50
NCHELSEA_115KV_TR2 355582	49.90 1.09 -0.32	41.97 1.19 -0.17	42.31 1.08 -0.79	30.38 0.91 0.00	30.16 0.93 -0.03	36.41 1.12 -0.18	54.62 1.57 -0.27	57.28 1.68 0.00	60.81 1.95 0.00	65.75 2.16 0.00	56.41 1.77 0.00	58.62 1.93 -1.26	80.03 2.82 -1.52	67.49 2.61 -0.17	58.57 2.14 0.00	46.24 1.68 0.00	46.18 1.79 0.00	57.97 2.60 0.00	64.21 2.72 0.00	63.26 2.35 0.00	53.81 1.86 0.00	53.39 1.72 0.00	52.28 1.62 -0.58	46.03 1.40 -1.06
NEG CAPITAL___MECHNVIL 23645	49.29 1.18 0.39	41.49 1.08 0.21	40.59 1.10 0.95	30.38 0.91 0.00	30.09 0.94 0.04	36.02 1.12 0.22	54.01 1.56 0.33	57.29 1.69 0.00	60.76 1.90 0.00	65.62 2.02 0.00	56.32 1.68 0.00	55.58 1.68 1.53	76.25 2.40 1.84	66.69 2.18 0.20	58.32 1.89 0.00	46.05 1.49 0.00	45.93 1.54 0.00	57.64 2.26 0.00	63.76 2.27 0.00	63.05 2.14 0.00	53.72 1.77 0.00	53.33 1.66 0.00	50.66 1.46 0.88	43.19 1.23 1.61
NEG CENTRAL_HIGH_ACRES 23767	51.09 -0.05 -2.64	41.50 -0.44 -1.34	41.24 -0.49 -1.29	29.32 -0.52 -0.37	29.04 -0.47 -0.31	35.39 -0.27 -0.56	55.96 -0.23 -3.42	59.17 -0.31 -3.88	62.04 -0.48 -3.66	66.64 -0.45 -3.49	57.69 0.00 -3.05	58.15 -0.07 -2.80	79.48 -0.20 -3.99	67.29 -0.46 -3.04	58.67 -0.32 -2.55	46.08 -0.16 -1.68	45.84 -0.21 -1.66	58.37 0.10 -2.90	64.92 -0.07 -3.50	64.11 -0.11 -3.31	54.54 -0.12 -2.71	54.16 -0.18 -2.68	52.43 -0.24 -2.59	45.56 -0.10 -2.09



NEG CENTRAL___DRP 24199	54.84 1.20 -5.14	43.90 0.69 -2.61	43.57 0.63 -2.50	30.62 0.44 -0.71	30.31 0.51 -0.61	37.00 0.81 -1.08	60.97 1.50 -6.70	66.05 2.18 -8.27	68.73 2.09 -7.78	73.30 2.26 -7.45	62.66 1.60 -6.41	62.52 1.41 -5.69	85.15 1.35 -8.11	71.98 1.10 -6.17	62.81 1.20 -5.18	49.24 1.19 -3.48	49.00 1.06 -3.55	63.60 2.04 -6.18	71.26 2.29 -7.49	69.95 1.96 -7.07	59.57 1.83 -5.79	58.97 1.57 -5.72	57.03 1.42 -5.53	49.28 1.25 -4.47
NEG CENTRAL___INDECK 23768	54.33 3.07 -2.76	43.86 1.85 -1.40	43.53 1.74 -1.34	30.86 1.01 -0.38	30.63 1.12 -0.33	37.49 1.80 -0.58	59.44 3.09 -3.57	62.98 3.28 -4.10	65.67 2.95 -3.86	70.27 2.99 -3.69	59.95 2.09 -3.22	60.32 1.94 -2.95	82.80 2.90 -4.20	70.12 2.20 -3.20	61.11 1.99 -2.68	48.13 1.80 -1.77	47.93 1.79 -1.75	61.55 3.13 -3.05	68.76 3.58 -3.69	67.91 3.50 -3.49	57.81 3.00 -2.86	57.26 2.77 -2.82	55.50 2.69 -2.73	48.26 2.49 -2.21
NEG CENTRAL___SENECA 23627	54.79 1.77 -4.52	43.96 1.05 -2.29	43.62 0.98 -2.20	30.80 0.71 -0.63	30.51 0.78 -0.54	37.23 1.17 -0.95	60.78 2.11 -5.89	66.25 3.34 -7.31	68.97 3.23 -6.87	73.65 3.47 -6.58	62.73 2.41 -5.67	62.58 2.11 -5.05	84.95 2.06 -7.20	71.94 1.75 -5.47	62.84 1.81 -4.60	49.38 1.74 -3.08	49.13 1.60 -3.13	63.72 2.88 -5.46	71.41 3.31 -6.61	70.00 2.84 -6.25	59.71 2.64 -5.12	59.00 2.27 -5.06	57.05 2.09 -4.88	49.35 1.83 -3.95
NEG CENTRAL___STATE_STREET 24147	54.45 0.58 -5.38	43.60 0.26 -2.73	43.30 0.25 -2.61	30.36 0.14 -0.75	30.12 0.28 -0.64	36.76 0.52 -1.13	60.57 0.79 -7.00	64.96 0.80 -8.57	67.74 0.82 -8.05	72.30 0.99 -7.72	61.94 0.66 -6.64	61.89 0.58 -5.89	84.63 0.54 -8.40	71.43 0.32 -6.39	62.43 0.64 -5.36	48.81 0.64 -3.61	48.50 0.43 -3.67	62.87 1.08 -6.41	70.44 1.20 -7.76	69.27 1.02 -7.33	58.91 0.95 -6.00	58.46 0.86 -5.93	56.58 0.77 -5.73	48.86 0.66 -4.63
NEG MILLWOOD___DRP 24198	49.99 1.16 -0.34	42.07 1.28 -0.18	42.42 1.15 -0.83	30.44 0.97 0.00	30.22 0.99 -0.03	36.49 1.19 -0.19	54.72 1.66 -0.29	57.38 1.78 0.00	60.95 2.09 0.00	65.94 2.34 0.00	56.57 1.92 0.00	58.87 2.12 -1.33	80.35 3.06 -1.60	67.71 2.82 -0.18	58.75 2.32 0.00	46.40 1.84 0.00	46.31 1.92 0.00	58.13 2.76 0.00	64.40 2.92 0.00	63.45 2.54 0.00	53.93 1.97 0.00	53.50 1.83 0.00	52.46 1.72 -0.66	46.28 1.49 -1.21
NEG NORTH_FLCN_SEA 23793	50.39 1.89 0.00	42.12 1.52 0.00	41.87 1.43 0.00	30.48 1.01 0.00	29.96 0.77 0.00	35.94 0.83 0.00	52.89 0.11 0.00	54.81 -0.79 0.00	57.84 -1.02 0.00	62.23 -1.36 0.00	53.31 -1.33 0.00	53.82 -1.60 0.00	73.67 -2.02 0.00	63.08 -1.64 0.00	54.82 -1.62 0.00	43.23 -1.34 0.00	43.02 -1.38 0.00	53.46 -1.92 0.00	59.49 -1.99 0.00	58.92 -1.99 0.00	50.56 -1.39 0.00	52.05 0.38 0.00	51.74 1.66 0.00	45.04 1.48 0.00
NEG NORTH_KES_CHATEGAY 23792	50.04 1.55 0.00	41.80 1.19 0.00	41.54 1.10 0.00	30.19 0.72 0.00	29.69 0.50 0.00	35.74 0.63 0.00	53.35 0.56 0.00	55.92 0.33 0.00	58.96 0.10 0.00	63.46 -0.13 0.00	54.46 -0.18 0.00	55.07 -0.35 0.00	75.28 -0.41 0.00	64.34 -0.38 0.00	55.96 -0.47 0.00	44.16 -0.41 0.00	43.89 -0.50 0.00	54.45 -0.92 0.00	60.84 -0.65 0.00	60.56 -0.35 0.00	51.79 -0.16 0.00	52.27 0.60 0.00	51.28 1.20 0.00	44.58 1.01 0.00
NEG NORTH___ALICE_FALLS 23915	50.59 2.10 0.00	42.27 1.66 0.00	42.01 1.57 0.00	30.56 1.09 0.00	30.05 0.85 0.00	36.11 1.00 0.00	53.51 0.73 0.00	55.75 0.15 0.00	58.81 -0.05 0.00	63.33 -0.26 0.00	54.25 -0.39 0.00	54.75 -0.67 0.00	74.89 -0.80 0.00	64.10 -0.62 0.00	55.71 -0.73 0.00	43.90 -0.66 0.00	43.65 -0.75 0.00	54.37 -1.00 0.00	60.62 -0.87 0.00	60.13 -0.78 0.00	51.50 -0.46 0.00	52.56 0.88 0.00	51.92 1.84 0.00	45.15 1.58 0.00
NEG NORTH___LWR_SARANAC 23913	50.59 2.10 0.00	42.27 1.66 0.00	42.01 1.57 0.00	30.56 1.09 0.00	30.05 0.85 0.00	36.11 1.00 0.00	53.51 0.73 0.00	55.75 0.15 0.00	58.81 -0.05 0.00	63.33 -0.26 0.00	54.25 -0.39 0.00	54.75 -0.67 0.00	74.89 -0.80 0.00	64.10 -0.62 0.00	55.71 -0.73 0.00	43.90 -0.66 0.00	43.65 -0.75 0.00	54.37 -1.00 0.00	60.62 -0.87 0.00	60.13 -0.78 0.00	51.50 -0.46 0.00	52.56 0.88 0.00	51.92 1.84 0.00	45.15 1.58 0.00
NEG NORTH___PLATTSBURG 23628	50.59 2.10 0.00	42.27 1.66 0.00	42.01 1.57 0.00	30.56 1.09 0.00	30.05 0.85 0.00	36.11 1.00 0.00	53.51 0.73 0.00	55.75 0.16 0.00	58.82 -0.04 0.00	63.33 -0.26 0.00	54.25 -0.39 0.00	54.76 -0.67 0.00	74.89 -0.80 0.00	64.10 -0.61 0.00	55.71 -0.73 0.00	43.90 -0.66 0.00	43.64 -0.75 0.00	54.37 -1.00 0.00	60.62 -0.87 0.00	60.13 -0.78 0.00	51.50 -0.46 0.00	52.56 0.88 0.00	51.92 1.84 0.00	45.15 1.58 0.00
NEG WEST_LEA_LOCKPORT 23791	52.55 1.64 -2.41	42.26 0.43 -1.22	42.03 0.42 -1.17	29.64 -0.16 -0.33	29.35 -0.13 -0.29	36.05 0.43 -0.51	56.06 0.16 -3.11	59.00 -0.08 -3.48	61.70 -0.44 -3.28	66.37 -0.35 -3.13	57.89 0.50 -2.75	58.25 0.29 -2.54	79.79 0.48 -3.62	67.12 -0.35 -2.76	58.48 -0.27 -2.31	46.03 -0.05 -1.51	45.37 -0.52 -1.49	57.32 -0.65 -2.59	63.70 -0.92 -3.14	63.07 -0.81 -2.97	53.90 -0.49 -2.43	53.78 -0.29 -2.40	52.42 0.02 -2.32	46.27 0.83 -1.88
NEG WEST___LANCASTER 23811	52.36 1.37 -2.50	42.10 0.22 -1.27	41.89 0.23 -1.22	29.59 -0.22 -0.34	29.31 -0.18 -0.30	35.93 0.30 -0.53	56.49 0.47 -3.23	59.56 0.29 -3.67	62.28 -0.04 -3.46	66.97 0.08 -3.30	58.32 0.79 -2.88	58.78 0.71 -2.65	80.42 0.95 -3.77	67.56 -0.03 -2.87	58.93 0.09 -2.41	46.40 0.25 -1.58	45.76 -0.19 -1.57	58.03 -0.08 -2.73	64.57 -0.22 -3.31	63.67 -0.36 -3.12	54.41 -0.10 -2.56	54.16 -0.04 -2.53	52.70 0.17 -2.44	46.21 0.67 -1.98
NEG_PENN_ALLEGHNY 23528	52.11 0.60 -3.01	42.44 0.30 -1.53	42.24 0.33 -1.47	30.06 0.17 -0.42	29.77 0.22 -0.36	36.07 0.33 -0.63	57.42 0.73 -3.91	60.94 0.66 -4.69	63.81 0.52 -4.42	68.42 0.64 -4.19	58.86 0.59 -3.62	59.36 0.68 -3.26	81.28 0.93 -4.66	68.71 0.46 -3.54	59.95 0.54 -2.98	47.05 0.50 -1.99	46.87 0.48 -2.00	59.77 0.90 -3.49	66.51 0.79 -4.23	65.39 0.48 -4.00	55.78 0.56 -3.27	55.36 0.46 -3.23	53.66 0.46 -3.12	46.52 0.43 -2.53
NEG___GEN_MONROE 24207	52.79 1.93 -2.37	42.81 1.00 -1.20	42.56 0.96 -1.15	30.20 0.41 -0.33	29.88 0.41 -0.28	36.46 0.85 -0.50	57.23 1.41 -3.05	60.30 1.43 -3.27	63.07 1.13 -3.08	67.74 1.21 -2.94	58.83 1.59 -2.60	59.44 1.57 -2.45	81.16 1.98 -3.49	68.72 1.35 -2.66	59.86 1.19 -2.23	47.03 1.03 -1.44	46.74 0.96 -1.40	59.28 1.47 -2.43	66.00 1.57 -2.94	65.28 1.59 -2.78	55.60 1.37 -2.28	55.24 1.32 -2.25	53.53 1.27 -2.17	46.74 1.42 -1.76
NEPA___ENERGY 23901	52.56 1.56 -2.51	42.21 0.32 -1.27	41.95 0.29 -1.22	29.65 -0.17 -0.35	29.40 -0.09 -0.30	35.93 0.30 -0.53	56.85 0.82 -3.24	59.69 0.44 -3.66	62.28 -0.03 -3.45	67.08 0.20 -3.29	58.29 0.77 -2.87	58.84 0.78 -2.64	80.58 1.12 -3.76	67.52 -0.05 -2.86	59.11 0.27 -2.40	46.56 0.42 -1.58	45.94 -0.01 -1.57	58.46 0.36 -2.73	65.12 0.34 -3.30	63.75 -0.28 -3.12	54.67 0.16 -2.55	54.33 0.14 -2.52	52.97 0.46 -2.44	46.28 0.74 -1.97



NEVERSINK___HYD 23608	48.97 0.23 -0.24	41.16 0.42 -0.13	41.36 0.34 -0.58	29.82 0.35 0.00	29.59 0.37 -0.03	35.67 0.43 -0.13	53.59 0.61 -0.20	56.30 0.70 0.00	59.72 0.86 0.00	64.60 1.01 0.00	55.41 0.76 0.00	57.24 0.88 -0.93	78.12 1.30 -1.12	66.16 1.32 -0.12	57.39 0.96 0.00	45.37 0.81 0.00	45.30 0.91 0.00	56.80 1.43 0.00	63.08 1.60 0.00	62.22 1.31 0.00	52.92 0.97 0.00	52.51 0.83 0.00	51.31 0.75 -0.47	45.05 0.61 -0.87
NEWKRMKL_115KV_TB1 55635	47.46 -0.76 0.28	40.03 -0.43 0.15	39.31 -0.45 0.68	29.26 -0.21 0.00	28.98 -0.18 0.03	34.68 -0.27 0.15	51.87 -0.67 0.23	54.90 -0.69 0.00	58.33 -0.53 0.00	63.02 -0.58 0.00	54.05 -0.59 0.00	53.77 -0.56 1.09	73.72 -0.67 1.31	64.19 -0.39 0.14	56.04 -0.39 0.00	44.25 -0.31 0.00	44.14 -0.25 0.00	55.25 -0.12 0.00	60.98 -0.50 0.00	60.26 -0.65 0.00	51.40 -0.56 0.00	51.12 -0.56 0.00	48.85 -0.61 0.63	41.87 -0.55 1.15
NEWTON___FALLS_HYD 23847	52.25 2.23 -1.53	43.06 1.67 -0.78	42.78 1.59 -0.74	30.78 1.10 -0.21	30.43 1.05 -0.18	36.84 1.41 -0.32	57.20 2.43 -1.99	60.48 2.50 -2.38	63.28 2.18 -2.23	67.62 1.88 -2.15	57.90 1.40 -1.86	58.16 1.08 -1.66	79.33 1.27 -2.37	67.46 0.95 -1.80	58.80 0.85 -1.51	46.23 0.65 -1.01	46.02 0.60 -1.03	58.09 0.90 -1.81	65.33 1.64 -2.20	65.17 2.17 -2.08	55.40 1.74 -1.70	55.39 2.04 -1.69	53.56 1.85 -1.63	46.27 1.39 -1.32
NGRID_A1_DSASP 323792	52.17 1.27 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.37 -0.43 -0.33	29.05 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.36 -3.10	57.82 -1.26 -3.48	60.75 -1.39 -3.28	65.30 -1.42 -3.13	57.33 -0.05 -2.74	57.88 -0.06 -2.52	78.40 -0.89 -3.59	66.62 -0.83 -2.74	57.88 -0.85 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.58 -1.39 -2.59	62.48 -2.14 -3.13	61.89 -1.99 -2.96	53.09 -1.29 -2.43	53.06 -1.01 -2.40	51.82 -0.58 -2.31	45.81 0.37 -1.87
NGRID_A2_DSASP 323793	52.17 1.27 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.37 -0.43 -0.33	29.05 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.36 -3.10	57.82 -1.26 -3.48	60.75 -1.39 -3.28	65.30 -1.42 -3.13	57.33 -0.05 -2.74	57.88 -0.06 -2.52	78.40 -0.89 -3.59	66.62 -0.83 -2.74	57.88 -0.85 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.58 -1.39 -2.59	62.48 -2.14 -3.13	61.89 -1.99 -2.96	53.09 -1.29 -2.43	53.06 -1.01 -2.40	51.82 -0.58 -2.31	45.81 0.37 -1.87
NGRID_A4_DSASP 323807	52.17 1.27 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.37 -0.43 -0.33	29.05 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.36 -3.10	57.82 -1.26 -3.48	60.75 -1.39 -3.28	65.30 -1.42 -3.13	57.33 -0.05 -2.74	57.88 -0.06 -2.52	78.40 -0.89 -3.59	66.62 -0.83 -2.74	57.88 -0.85 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.58 -1.39 -2.59	62.48 -2.14 -3.13	61.89 -1.99 -2.96	53.09 -1.29 -2.43	53.06 -1.01 -2.40	51.82 -0.58 -2.31	45.81 0.37 -1.87
NIAGARA_115E_LBMP 323715	51.93 1.03 -2.41	41.77 -0.06 -1.22	41.56 -0.06 -1.17	29.29 -0.51 -0.33	29.01 -0.47 -0.29	35.68 0.06 -0.51	55.19 -0.71 -3.11	58.06 -1.03 -3.49	60.72 -1.43 -3.29	65.33 -1.40 -3.14	57.01 -0.39 -2.75	57.35 -0.61 -2.54	78.63 -0.68 -3.62	66.09 -1.38 -2.75	57.58 -1.17 -2.31	45.41 -0.67 -1.51	44.67 -1.22 -1.49	56.38 -1.59 -2.60	62.61 -2.02 -3.14	61.98 -1.91 -2.97	52.99 -1.40 -2.43	52.92 -1.15 -2.40	51.60 -0.80 -2.32	45.71 0.26 -1.88
NIAGARA_115W_LBMP 323714	52.09 1.20 -2.39	41.84 0.02 -1.21	41.62 0.01 -1.16	29.34 -0.46 -0.33	29.02 -0.45 -0.28	35.63 0.01 -0.50	55.43 -0.45 -3.09	57.67 -1.40 -3.47	60.61 -1.52 -3.27	65.17 -1.55 -3.12	57.24 -0.14 -2.73	57.82 -0.13 -2.52	78.21 -1.07 -3.59	66.54 -0.91 -2.74	57.78 -0.95 -2.30	45.61 -0.46 -1.51	44.93 -0.94 -1.49	56.48 -1.48 -2.59	62.35 -2.27 -3.13	61.75 -2.12 -2.96	53.00 -1.38 -2.42	52.96 -1.11 -2.39	51.72 -0.68 -2.31	45.74 0.30 -1.87
NIAGARA_230_LBMP 323716	52.07 1.20 -2.38	41.87 0.06 -1.21	41.66 0.06 -1.15	29.40 -0.40 -0.33	29.09 -0.39 -0.28	35.70 0.09 -0.50	55.70 -0.15 -3.07	58.54 -0.52 -3.45	61.25 -0.86 -3.25	65.92 -0.77 -3.10	57.55 0.19 -2.72	57.92 -0.01 -2.51	79.27 0.01 -3.57	66.71 -0.72 -2.72	58.13 -0.59 -2.28	45.70 -0.36 -1.50	45.02 -0.85 -1.47	56.88 -1.06 -2.57	63.14 -1.46 -3.11	62.48 -1.37 -2.94	53.42 -0.93 -2.40	53.36 -0.69 -2.38	52.03 -0.35 -2.30	45.84 0.42 -1.86
NIAGARA___115KV_198_GIBSON 55903	52.08 1.19 -2.39	41.84 0.02 -1.21	41.62 0.01 -1.16	29.34 -0.46 -0.33	29.02 -0.45 -0.28	35.63 0.01 -0.50	55.43 -0.45 -3.09	57.67 -1.40 -3.48	60.63 -1.50 -3.27	65.16 -1.56 -3.12	57.33 -0.05 -2.73	57.74 -0.21 -2.52	78.23 -1.05 -3.59	66.55 -0.90 -2.74	57.81 -0.92 -2.30	45.61 -0.46 -1.51	44.94 -0.94 -1.49	56.47 -1.49 -2.59	62.25 -2.37 -3.13	61.69 -2.18 -2.96	52.96 -1.42 -2.42	52.92 -1.15 -2.39	51.68 -0.71 -2.31	45.75 0.31 -1.87
NIAGARA____ 23760	52.10 1.20 -2.41	41.88 0.06 -1.22	41.68 0.06 -1.17	29.40 -0.40 -0.33	29.09 -0.39 -0.28	35.70 0.09 -0.51	55.73 -0.15 -3.10	58.56 -0.52 -3.47	61.27 -0.86 -3.27	65.94 -0.77 -3.12	57.57 0.19 -2.73	57.94 -0.01 -2.52	79.30 0.01 -3.60	66.73 -0.72 -2.73	58.14 -0.59 -2.30	45.71 -0.36 -1.50	45.03 -0.85 -1.48	56.89 -1.06 -2.58	63.16 -1.46 -3.12	62.49 -1.37 -2.95	53.43 -0.93 -2.42	53.37 -0.69 -2.39	52.05 -0.35 -2.31	45.86 0.42 -1.87
NINE_MILE_1 23575	15.15 -1.25 32.10	23.19 -1.13 16.29	23.70 -1.13 15.61	24.17 -0.86 4.45	24.55 -0.82 3.83	27.43 -0.92 6.75	9.75 -1.33 41.71	4.24 -1.42 49.94	10.29 -1.55 47.03	17.06 -1.67 44.86	14.49 -1.40 38.75	19.23 -1.43 34.76	24.13 -1.98 49.57	25.22 -1.78 37.72	23.26 -1.51 31.66	22.25 -1.16 21.15	21.89 -1.13 21.37	16.75 -1.26 37.37	14.72 -1.48 45.29	16.60 -1.52 42.79	15.65 -1.27 35.03	15.75 -1.30 34.62	15.35 -1.29 33.44	15.41 -1.12 27.04
NINE_MILE_2 23744	14.60 -1.25 32.65	22.91 -1.13 16.57	23.43 -1.13 15.88	24.09 -0.86 4.52	24.49 -0.82 3.89	27.32 -0.92 6.87	9.04 -1.33 42.42	3.39 -1.42 50.79	9.49 -1.55 47.83	16.30 -1.67 45.62	13.82 -1.41 39.41	18.64 -1.43 35.35	23.28 -1.99 50.42	24.58 -1.78 38.36	22.72 -1.51 32.20	21.89 -1.16 21.51	21.52 -1.14 21.73	16.11 -1.26 38.00	13.94 -1.48 46.06	15.88 -1.52 43.52	15.05 -1.27 35.63	15.16 -1.30 35.21	14.78 -1.29 34.01	14.95 -1.12 27.50
NM_CAPITAL___DRP 24208	47.50 -0.68 0.31	40.09 -0.36 0.16	39.31 -0.39 0.75	29.31 -0.15 0.00	29.03 -0.13 0.03	34.73 -0.21 0.17	51.91 -0.61 0.26	54.99 -0.61 0.00	58.41 -0.45 0.00	63.11 -0.48 0.00	54.12 -0.52 0.00	53.72 -0.50 1.20	73.67 -0.58 1.44	64.26 -0.30 0.16	56.12 -0.31 0.00	44.30 -0.27 0.00	44.18 -0.21 0.00	55.33 -0.05 0.00	61.06 -0.43 0.00	60.33 -0.58 0.00	51.48 -0.48 0.00	51.20 -0.48 0.00	48.85 -0.54 0.69	41.83 -0.47 1.27
NM_CENTRAL___DRP 24181	52.30 -0.24 -4.04	42.33 -0.33 -2.05	42.06 -0.35 -1.96	29.74 -0.29 -0.56	29.42 -0.25 -0.48	35.75 -0.21 -0.85	57.87 -0.16 -5.25	61.90 0.03 -6.27	64.84 0.14 -5.83	69.04 -0.26 -5.71	59.38 -0.19 -4.93	59.62 -0.19 -4.39	81.63 -0.33 -6.27	69.10 -0.38 -4.77	60.16 -0.28 -4.00	47.09 -0.16 -2.69	47.01 -0.11 -2.73	60.17 0.07 -4.72	67.15 -0.04 -5.71	66.18 -0.12 -5.39	56.27 -0.09 -4.41	55.89 -0.14 -4.36	54.09 -0.20 -4.21	46.79 -0.18 -3.41



NM_FRONTIER___DRP 24179	52.08 1.19 -2.39	41.84 0.02 -1.21	41.62 0.01 -1.16	29.34 -0.46 -0.33	29.02 -0.45 -0.28	35.63 0.01 -0.50	55.43 -0.45 -3.09	57.67 -1.40 -3.48	60.63 -1.50 -3.27	65.16 -1.56 -3.12	57.33 -0.05 -2.73	57.74 -0.21 -2.52	78.23 -1.05 -3.59	66.55 -0.90 -2.74	57.81 -0.92 -2.30	45.61 -0.46 -1.51	44.94 -0.94 -1.49	56.47 -1.49 -2.59	62.25 -2.37 -3.13	61.69 -2.18 -2.96	52.96 -1.42 -2.42	52.92 -1.15 -2.39	51.68 -0.71 -2.31	45.75 0.31 -1.87
NM_ST_REGIS___HYD 24053	51.29 2.06 -0.74	42.52 1.54 -0.38	42.25 1.45 -0.36	30.51 0.93 -0.10	30.09 0.81 -0.09	36.35 1.09 -0.16	55.48 1.74 -0.96	58.53 1.78 -1.15	61.48 1.54 -1.08	65.92 1.29 -1.04	56.59 1.05 -0.90	57.09 0.86 -0.80	77.93 1.09 -1.15	66.38 0.79 -0.87	57.74 0.57 -0.73	45.47 0.41 -0.49	45.10 0.21 -0.50	56.17 -0.08 -0.88	63.12 0.56 -1.07	63.05 1.13 -1.01	53.83 1.05 -0.83	54.05 1.56 -0.82	52.66 1.79 -0.79	45.66 1.46 -0.64
NORTHPORT___1 23551	48.32 -0.07 0.11	41.79 1.01 -0.18	42.07 1.18 -0.46	30.43 0.97 0.00	30.09 0.86 -0.04	36.40 1.10 -0.19	53.82 0.75 -0.29	54.38 -0.05 1.17	52.93 0.20 6.12	53.43 0.30 10.46	49.24 0.25 5.66	46.66 0.38 9.14	64.85 0.64 11.49	50.23 0.87 15.36	45.97 0.60 11.06	46.85 0.63 -1.66	47.54 0.78 -2.36	45.17 1.20 11.40	58.47 1.15 4.17	45.82 0.64 15.73	46.73 0.41 5.64	30.82 0.22 21.07	46.92 0.37 3.53	39.66 1.08 4.98
NORTHPORT___2 23552	48.32 -0.07 0.11	41.79 1.01 -0.18	42.07 1.18 -0.46	30.43 0.97 0.00	30.09 0.86 -0.04	36.40 1.10 -0.19	53.82 0.75 -0.29	54.38 -0.05 1.17	52.93 0.20 6.12	53.43 0.30 10.46	49.24 0.25 5.66	46.66 0.38 9.14	64.85 0.64 11.49	50.23 0.87 15.36	45.97 0.60 11.06	46.85 0.63 -1.66	47.54 0.78 -2.36	45.17 1.20 11.40	58.47 1.15 4.17	45.82 0.64 15.73	46.73 0.41 5.64	30.82 0.22 21.07	46.92 0.37 3.53	39.66 1.08 4.98
NORTHPORT___3 23553	48.29 -0.09 0.11	41.78 0.99 -0.18	42.06 1.17 -0.45	30.41 0.95 0.01	30.07 0.84 -0.04	36.39 1.09 -0.19	53.75 0.68 -0.29	54.37 -0.07 1.16	52.98 0.17 6.05	53.34 0.18 10.43	49.05 0.05 5.64	46.37 0.06 9.11	64.52 0.27 11.44	49.92 0.51 15.31	45.71 0.29 11.03	46.56 0.34 -1.65	47.25 0.51 -2.35	44.91 0.90 11.37	58.09 0.79 4.18	45.55 0.32 15.68	46.46 0.12 5.62	30.60 -0.07 21.00	46.64 0.12 3.56	39.40 0.94 5.11
NORTHPORT___4 23650	48.29 -0.09 0.11	41.78 0.99 -0.18	42.06 1.17 -0.45	30.41 0.95 0.01	30.07 0.84 -0.04	36.39 1.09 -0.19	53.75 0.68 -0.29	54.37 -0.07 1.16	52.98 0.17 6.05	53.34 0.18 10.43	49.05 0.05 5.64	46.37 0.06 9.11	64.52 0.27 11.44	49.92 0.51 15.31	45.71 0.29 11.03	46.56 0.34 -1.65	47.25 0.51 -2.35	44.91 0.90 11.37	58.09 0.79 4.18	45.55 0.32 15.68	46.46 0.12 5.62	30.60 -0.07 21.00	46.64 0.12 3.56	39.40 0.94 5.11
NORTHPORT___IC 23718	48.31 -0.07 0.11	41.79 1.01 -0.18	42.12 1.22 -0.46	30.48 1.01 0.00	30.09 0.86 -0.04	36.40 1.10 -0.19	53.84 0.77 -0.29	54.40 -0.03 1.17	52.95 0.21 6.12	53.47 0.35 10.46	49.23 0.25 5.66	46.73 0.44 9.14	64.88 0.68 11.49	50.22 0.86 15.36	45.97 0.59 11.06	46.85 0.62 -1.66	47.53 0.77 -2.36	45.19 1.22 11.40	58.52 1.21 4.17	45.84 0.66 15.73	46.74 0.42 5.64	30.84 0.24 21.07	46.94 0.40 3.53	39.65 1.07 4.98
NORTH___COUNTRY_ESR 323785	49.89 1.40 0.00	41.69 1.08 0.00	41.44 1.00 0.00	30.11 0.64 0.00	29.62 0.43 0.00	35.64 0.54 0.00	53.22 0.44 0.00	55.79 0.19 0.00	58.88 0.02 0.00	63.46 -0.13 0.00	54.47 -0.18 0.00	55.07 -0.35 0.00	75.28 -0.41 0.00	64.34 -0.38 0.00	55.96 -0.47 0.00	44.16 -0.40 0.00	43.89 -0.50 0.00	54.45 -0.93 0.00	60.79 -0.69 0.00	60.45 -0.46 0.00	51.68 -0.28 0.00	52.13 0.45 0.00	51.13 1.04 0.00	44.46 0.89 0.00
NPX_GEN_1385_PROXY 323591	48.32 -0.07 0.11	41.79 1.01 -0.18	42.07 1.18 -0.46	30.43 0.97 0.00	29.45 0.86 0.61	26.06 1.10 10.16	58.85 0.75 -5.32	54.38 -0.05 1.17	52.93 0.20 6.12	53.43 0.30 10.46	49.24 0.25 5.66	46.66 0.38 9.14	64.85 0.64 11.49	50.23 0.87 15.36	45.97 0.60 11.06	46.85 0.63 -1.66	47.54 0.78 -2.36	36.98 1.20 19.59	61.73 1.15 0.90	45.82 0.64 15.73	46.73 0.41 5.64	30.82 0.22 21.07	46.92 0.37 3.53	39.66 1.08 4.98
NPX_GEN_CSC 323557	47.90 -0.49 0.11	41.33 0.54 -0.18	41.67 0.73 -0.50	30.12 0.66 0.00	29.16 0.58 0.61	25.76 0.81 10.16	58.46 0.36 -5.32	54.05 -0.40 1.15	52.83 -0.14 5.90	53.45 0.06 10.20	49.46 0.19 5.37	47.01 0.36 8.77	65.21 0.67 11.16	51.07 1.05 14.70	46.82 0.86 10.47	47.53 0.88 -2.09	48.22 1.04 -2.79	38.27 1.43 18.54	64.27 1.43 -1.36	47.40 0.89 14.40	47.81 0.56 4.71	31.80 0.33 20.20	47.13 0.34 3.29	40.29 0.98 4.26
NSINS_S_GLNS_FALLS 23858	49.49 1.33 0.34	41.61 1.18 0.18	40.85 1.24 0.83	30.49 1.02 0.00	30.23 1.08 0.03	36.20 1.28 0.19	54.19 1.69 0.29	57.40 1.80 0.00	60.94 2.08 0.00	65.78 2.19 0.00	56.44 1.80 0.00	55.78 1.69 1.33	76.56 2.47 1.60	66.80 2.26 0.18	58.40 1.97 0.00	46.08 1.52 0.00	45.97 1.58 0.00	57.74 2.37 0.00	63.97 2.49 0.00	63.36 2.45 0.00	53.94 1.99 0.00	53.47 1.79 0.00	50.89 1.58 0.77	43.45 1.29 1.40
NUCOR_STEEL___DRP 24197	54.45 0.46 -5.50	43.57 0.17 -2.79	43.27 0.16 -2.67	30.31 0.08 -0.76	30.07 0.23 -0.65	36.72 0.46 -1.16	60.56 0.63 -7.15	64.88 0.53 -8.74	67.67 0.59 -8.22	72.22 0.76 -7.88	61.89 0.47 -6.78	61.85 0.42 -6.01	84.62 0.37 -8.57	71.40 0.17 -6.52	62.42 0.51 -5.47	48.77 0.52 -3.68	48.45 0.31 -3.75	62.82 0.90 -6.54	70.37 0.97 -7.92	69.24 0.85 -7.48	58.85 0.77 -6.13	58.45 0.72 -6.05	56.56 0.63 -5.85	48.83 0.54 -4.73
NUMBER_THREE_WT_PWR 323818	52.74 2.37 -1.87	43.35 1.80 -0.95	43.10 1.75 -0.91	30.99 1.26 -0.26	30.68 1.26 -0.22	37.17 1.67 -0.39	58.11 2.90 -2.43	61.50 2.99 -2.92	64.27 2.68 -2.73	68.53 2.30 -2.64	58.59 1.66 -2.28	58.78 1.33 -2.03	80.23 1.64 -2.90	68.26 1.35 -2.20	59.53 1.24 -1.85	46.78 0.98 -1.24	46.86 1.21 -1.26	59.67 2.06 -2.23	67.02 2.81 -2.72	66.64 3.16 -2.57	56.47 2.41 -2.10	55.96 2.21 -2.08	53.80 1.71 -2.01	46.37 1.18 -1.63
NYISO_LBMP_REFERENCE 24008	48.49 0.00 0.00	40.61 0.00 0.00	40.44 0.00 0.00	29.47 0.00 0.00	29.19 0.00 0.00	35.11 0.00 0.00	52.78 0.00 0.00	55.60 0.00 0.00	58.86 0.00 0.00	63.59 0.00 0.00	54.64 0.00 0.00	55.42 0.00 0.00	75.69 0.00 0.00	64.72 0.00 0.00	56.43 0.00 0.00	44.56 0.00 0.00	44.39 0.00 0.00	55.37 0.00 0.00	61.49 0.00 0.00	60.91 0.00 0.00	51.96 0.00 0.00	51.67 0.00 0.00	50.08 0.00 0.00	43.57 0.00 0.00
NYPA_BRENTWD____GT 24164	48.95 0.55 0.10	42.19 1.41 -0.18	42.57 1.57 -0.56	30.70 1.23 0.00	30.35 1.13 -0.04	36.75 1.45 -0.19	54.43 1.36 -0.29	55.19 0.72 1.13	54.25 1.00 5.61	54.92 1.20 9.87	50.72 1.09 5.02	48.41 1.29 8.30	66.83 1.90 10.76	52.68 1.87 13.91	48.15 1.49 9.77	48.52 1.36 -2.60	49.21 1.52 -3.30	48.36 2.08 9.10	64.48 2.13 -0.86	49.72 1.62 12.81	49.73 1.37 3.60	33.70 1.17 19.14	48.31 1.23 2.99	41.92 1.74 3.39



NYPA_GOWANUS____GT5 24156	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.76 2.19 -0.79	58.78 2.36 -0.82	153.44 2.81 -91.77	70.65 3.00 -4.06	58.69 2.46 -1.59	60.57 2.72 -2.43	81.33 3.67 -1.97	68.65 3.32 -0.61	60.69 2.99 -1.27	47.19 2.28 -0.35	47.05 2.33 -0.33	58.56 3.15 -0.04	64.69 3.21 0.00	64.57 3.00 -0.65	54.84 2.37 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NYPA_GOWANUS____GT6 24157	51.05 1.62 -0.94	42.74 1.71 -0.42	42.87 1.52 -0.90	30.89 1.27 -0.15	30.99 1.38 -0.41	37.15 1.53 -0.51	55.76 2.19 -0.79	58.78 2.36 -0.82	153.44 2.81 -91.77	70.65 3.00 -4.06	58.69 2.46 -1.59	60.57 2.72 -2.43	81.33 3.67 -1.97	68.65 3.32 -0.61	60.69 2.99 -1.27	47.19 2.28 -0.35	47.05 2.33 -0.33	58.56 3.15 -0.04	64.69 3.21 0.00	64.57 3.00 -0.65	54.84 2.37 -0.52	54.30 2.12 -0.51	53.38 2.15 -1.16	47.19 1.73 -1.90
NYPA_HARLEM__RVR__GT1 24160	50.19 1.35 -0.34	42.36 1.57 -0.18	42.60 1.31 -0.84	30.60 1.13 0.00	30.37 1.13 -0.04	36.63 1.34 -0.19	54.94 1.87 -0.29	57.58 1.99 0.00	127.91 2.34 -66.72	67.58 2.23 -1.76	56.47 1.82 0.00	58.80 2.03 -1.35	80.21 2.90 -1.62	67.64 2.75 -0.18	58.71 2.28 0.00	46.35 1.78 0.00	46.26 1.87 0.00	57.93 2.55 0.00	64.11 2.63 0.00	63.42 2.51 0.00	54.09 2.13 0.00	53.31 1.64 0.00	52.55 1.69 -0.78	46.48 1.49 -1.42
NYPA_HARLEM__RVR__GT2 24161	50.19 1.35 -0.34	42.36 1.57 -0.18	42.60 1.31 -0.84	30.60 1.13 0.00	30.37 1.13 -0.04	36.63 1.34 -0.19	54.94 1.87 -0.29	57.58 1.99 0.00	127.91 2.34 -66.72	67.58 2.23 -1.76	56.47 1.82 0.00	58.80 2.03 -1.35	80.21 2.90 -1.62	67.64 2.75 -0.18	58.71 2.28 0.00	46.35 1.78 0.00	46.26 1.87 0.00	57.93 2.55 0.00	64.11 2.63 0.00	63.42 2.51 0.00	54.09 2.13 0.00	53.31 1.64 0.00	52.55 1.69 -0.78	46.48 1.49 -1.42
NYPA_KENT____GT 24152	50.66 1.46 -0.70	42.54 1.60 -0.33	42.74 1.42 -0.87	30.84 1.24 -0.13	30.75 1.30 -0.27	36.94 1.45 -0.38	55.40 2.02 -0.59	58.26 2.17 -0.49	143.27 2.60 -81.81	69.32 2.77 -2.96	55.96 2.25 0.93	58.65 2.52 -0.71	80.57 3.47 -1.41	67.78 3.15 0.08	58.45 2.76 0.75	46.47 2.11 0.20	46.35 2.16 0.19	58.30 2.94 0.02	64.50 3.01 0.00	63.26 2.73 0.38	53.79 2.14 0.30	53.27 1.90 0.30	52.76 1.93 -0.76	46.90 1.63 -1.70
NYPA_POUCH1____GT 24155	38.92 1.75 11.32	35.19 1.83 7.26	35.32 1.64 6.76	28.44 1.30 2.33	23.30 1.48 7.37	23.17 1.63 13.57	41.18 2.21 13.82	42.11 2.37 15.85	31.57 2.95 30.24	34.44 3.22 32.37	26.53 2.66 30.77	38.70 2.91 19.64	45.69 3.91 33.92	48.58 3.52 19.66	35.00 3.19 24.62	40.26 2.44 6.75	40.60 2.48 6.27	42.36 3.21 16.23	42.37 3.14 22.25	39.07 3.13 24.97	42.68 2.54 11.82	41.43 2.29 12.53	42.21 2.28 10.15	37.71 1.74 7.60
NYPA_VERNON____GT2 24162	50.25 1.29 -0.46	42.35 1.51 -0.23	42.61 1.32 -0.85	30.59 1.11 -0.01	30.52 1.21 -0.12	36.74 1.37 -0.26	55.02 1.84 -0.39	57.74 1.97 -0.17	133.08 2.36 -71.85	68.30 2.56 -2.15	56.47 2.10 0.28	58.93 2.35 -1.16	80.55 3.30 -1.56	67.85 3.04 -0.10	58.80 2.59 0.22	46.47 1.97 0.06	46.36 2.03 0.06	58.14 2.77 0.01	64.33 2.84 0.00	63.28 2.48 0.11	53.81 1.95 0.09	53.30 1.72 0.09	52.58 1.73 -0.77	46.59 1.51 -1.51
NYPA_VERNON____GT3 24163	50.25 1.29 -0.46	42.35 1.51 -0.23	42.61 1.32 -0.85	30.59 1.11 -0.01	30.52 1.21 -0.12	36.74 1.37 -0.26	55.02 1.84 -0.39	57.74 1.97 -0.17	133.08 2.36 -71.85	68.30 2.56 -2.15	56.47 2.10 0.28	58.93 2.35 -1.16	80.55 3.30 -1.56	67.85 3.04 -0.10	58.80 2.59 0.22	46.47 1.97 0.06	46.36 2.03 0.06	58.14 2.77 0.01	64.33 2.84 0.00	63.28 2.48 0.11	53.81 1.95 0.09	53.30 1.72 0.09	52.58 1.73 -0.77	46.59 1.51 -1.51
NYPA____ASTORIA_CC1 323568	50.04 1.20 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.55 1.08 0.00	30.39 1.16 -0.04	36.62 1.31 -0.19	54.81 1.74 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.72 2.38 -1.76	56.62 1.98 0.00	58.97 2.20 -1.35	80.45 3.14 -1.62	67.79 2.89 -0.18	58.87 2.44 0.00	46.41 1.85 0.00	46.30 1.91 0.00	58.01 2.63 0.00	64.17 2.69 0.00	63.27 2.36 0.00	53.81 1.86 0.00	53.28 1.61 0.00	52.48 1.62 -0.78	46.42 1.43 -1.42
NYPA____ASTORIA_CC2 323569	50.04 1.20 -0.34	42.22 1.43 -0.18	42.52 1.24 -0.84	30.55 1.08 0.00	30.39 1.16 -0.04	36.62 1.31 -0.19	54.81 1.74 -0.29	57.46 1.86 0.00	127.82 2.24 -66.72	67.72 2.38 -1.76	56.62 1.98 0.00	58.97 2.20 -1.35	80.45 3.14 -1.62	67.79 2.89 -0.18	58.87 2.44 0.00	46.41 1.85 0.00	46.30 1.91 0.00	58.01 2.63 0.00	64.17 2.69 0.00	63.27 2.36 0.00	53.81 1.86 0.00	53.28 1.61 0.00	52.48 1.62 -0.78	46.42 1.43 -1.42
NYPA____HOLTSVILL 23794	48.30 -0.09 0.11	41.66 0.87 -0.18	41.98 1.04 -0.50	30.34 0.87 0.00	30.00 0.78 -0.04	36.34 1.04 -0.19	53.77 0.70 -0.29	54.42 -0.03 1.15	53.17 0.23 5.92	53.77 0.41 10.23	49.73 0.49 5.40	47.28 0.66 8.81	65.59 1.08 11.19	51.31 1.36 14.77	46.99 1.09 10.53	47.64 1.04 -2.05	48.32 1.19 -2.75	46.56 1.64 10.46	60.99 1.65 2.14	47.49 1.12 14.54	47.92 0.77 4.80	31.95 0.57 20.29	47.38 0.62 3.32	40.47 1.24 4.33
NYPA____HELLGATE_GT1 24158	50.19 1.35 -0.34	42.36 1.57 -0.18	42.60 1.31 -0.84	30.60 1.13 0.00	30.37 1.13 -0.04	36.63 1.34 -0.19	54.93 1.85 -0.29	57.58 1.99 0.00	127.91 2.34 -66.72	67.58 2.23 -1.76	56.47 1.82 0.00	58.80 2.03 -1.35	80.21 2.90 -1.62	67.63 2.74 -0.18	58.71 2.28 0.00	46.35 1.78 0.00	46.26 1.87 0.00	57.93 2.55 0.00	64.11 2.63 0.00	63.42 2.51 0.00	54.09 2.13 0.00	53.31 1.64 0.00	52.56 1.70 -0.78	46.50 1.51 -1.42
NYPA____HELLGATE_GT2 24159	50.19 1.35 -0.34	42.36 1.57 -0.18	42.60 1.31 -0.84	30.60 1.13 0.00	30.37 1.13 -0.04	36.63 1.34 -0.19	54.93 1.85 -0.29	57.58 1.99 0.00	127.91 2.34 -66.72	67.58 2.23 -1.76	56.47 1.82 0.00	58.80 2.03 -1.35	80.21 2.90 -1.62	67.63 2.74 -0.18	58.71 2.28 0.00	46.35 1.78 0.00	46.26 1.87 0.00	57.93 2.55 0.00	64.11 2.63 0.00	63.42 2.51 0.00	54.09 2.13 0.00	53.31 1.64 0.00	52.56 1.70 -0.78	46.50 1.51 -1.42
NYS_BARGE____HYD 23848	52.55 1.65 -2.41	42.27 0.44 -1.22	42.03 0.42 -1.17	29.64 -0.16 -0.33	29.36 -0.12 -0.29	36.08 0.47 -0.51	56.02 0.13 -3.11	58.94 -0.12 -3.47	61.66 -0.47 -3.27	66.35 -0.36 -3.12	57.86 0.48 -2.74	58.23 0.27 -2.53	79.76 0.46 -3.61	67.07 -0.39 -2.75	58.42 -0.32 -2.30	46.04 -0.03 -1.51	45.36 -0.52 -1.48	57.33 -0.63 -2.58	63.71 -0.90 -3.13	63.05 -0.81 -2.95	53.90 -0.47 -2.42	53.80 -0.26 -2.39	52.43 0.04 -2.31	46.29 0.85 -1.87
OAK ORCHARD____HYD 24046	52.03 1.17 -2.37	42.26 0.45 -1.20	42.01 0.41 -1.15	29.89 0.09 -0.33	29.60 0.13 -0.28	36.09 0.48 -0.50	56.67 0.84 -3.04	59.70 0.84 -3.26	62.60 0.67 -3.07	67.35 0.83 -2.93	58.40 1.17 -2.59	58.95 1.08 -2.45	80.62 1.45 -3.49	68.27 0.90 -2.65	59.51 0.84 -2.23	46.78 0.77 -1.44	46.48 0.69 -1.39	58.94 1.14 -2.43	65.51 1.09 -2.94	64.76 1.07 -2.77	55.15 0.93 -2.27	54.81 0.90 -2.24	53.11 0.86 -2.17	46.26 0.94 -1.75



OAKDALE___35_KV_LOAD 356122	51.84 0.36 -2.98	42.23 0.11 -1.51	42.04 0.14 -1.45	29.93 0.04 -0.41	29.64 0.09 -0.36	35.89 0.15 -0.63	57.07 0.42 -3.88	60.57 0.33 -4.64	63.44 0.21 -4.37	68.02 0.28 -4.14	58.51 0.29 -3.58	59.01 0.36 -3.23	80.79 0.49 -4.61	68.33 0.11 -3.51	59.60 0.23 -2.95	46.79 0.26 -1.96	46.59 0.21 -1.98	59.40 0.57 -3.46	66.08 0.41 -4.18	64.97 0.11 -3.95	55.44 0.25 -3.24	55.04 0.17 -3.20	53.37 0.19 -3.09	46.28 0.21 -2.50
OCC_CHEM___DRP 24175	52.17 1.28 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.38 -0.42 -0.33	29.06 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.37 -3.10	57.84 -1.24 -3.48	60.75 -1.39 -3.28	65.30 -1.43 -3.13	57.41 0.03 -2.74	57.81 -0.13 -2.52	78.43 -0.86 -3.60	66.63 -0.82 -2.74	57.90 -0.83 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.56 -1.40 -2.59	62.39 -2.23 -3.13	61.83 -2.05 -2.96	53.06 -1.32 -2.43	53.03 -1.04 -2.40	51.78 -0.62 -2.31	45.82 0.38 -1.87
OH_GEN_PROXY 24063	51.99 1.13 -2.37	41.83 0.02 -1.20	41.62 0.02 -1.15	29.38 -0.42 -0.33	28.43 -0.40 0.36	-3.93 0.07 39.11	60.76 -0.10 -8.09	58.61 -0.43 -3.44	61.33 -0.77 -3.24	66.00 -0.69 -3.10	57.60 0.25 -2.71	57.97 0.05 -2.50	79.34 0.08 -3.56	66.76 -0.66 -2.71	58.17 -0.54 -2.27	45.74 -0.31 -1.49	45.09 -0.78 -1.47	48.79 -0.96 5.62	66.56 -1.29 -6.37	62.61 -1.24 -2.93	53.52 -0.84 -2.40	53.40 -0.64 -2.37	52.06 -0.31 -2.29	45.81 0.38 -1.85
OLIN_CORP_DRP 24177	52.01 1.10 -2.41	41.82 -0.01 -1.22	41.62 0.00 -1.17	29.34 -0.47 -0.33	29.04 -0.44 -0.29	35.70 0.08 -0.51	55.30 -0.60 -3.12	58.18 -0.91 -3.50	60.86 -1.30 -3.30	65.46 -1.28 -3.15	57.14 -0.25 -2.76	57.49 -0.47 -2.54	78.77 -0.55 -3.62	66.26 -1.21 -2.76	57.73 -1.02 -2.31	45.49 -0.59 -1.52	44.78 -1.11 -1.50	56.51 -1.47 -2.61	62.75 -1.88 -3.15	62.14 -1.75 -2.98	53.11 -1.28 -2.44	53.01 -1.07 -2.41	51.69 -0.72 -2.33	45.77 0.32 -1.88
OLIN_CORP_DSASP 323712	52.17 1.27 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.37 -0.43 -0.33	29.05 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.36 -3.10	57.82 -1.26 -3.48	60.75 -1.39 -3.28	65.30 -1.42 -3.13	57.33 -0.05 -2.74	57.88 -0.06 -2.52	78.40 -0.89 -3.59	66.62 -0.83 -2.74	57.88 -0.85 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.58 -1.39 -2.59	62.48 -2.14 -3.13	61.89 -1.99 -2.96	53.09 -1.29 -2.43	53.06 -1.01 -2.40	51.82 -0.58 -2.31	45.81 0.37 -1.87
ONEIDA_HERK_LFGE 323681	51.31 1.62 -1.20	42.47 1.26 -0.61	42.26 1.23 -0.58	30.52 0.88 -0.17	30.25 0.91 -0.14	36.56 1.20 -0.25	56.39 2.05 -1.56	59.64 2.18 -1.86	62.65 2.05 -1.74	67.12 1.84 -1.69	57.53 1.42 -1.46	58.06 1.33 -1.30	79.37 1.82 -1.86	67.65 1.52 -1.41	58.97 1.35 -1.19	46.41 1.05 -0.80	46.46 1.26 -0.81	58.72 1.88 -1.46	65.56 2.28 -1.80	64.99 2.39 -1.70	55.23 1.88 -1.39	54.78 1.74 -1.37	52.83 1.42 -1.33	45.70 1.05 -1.07
ONEIDA___115KV_TB4 55905	51.93 1.48 -1.96	42.73 1.13 -1.00	42.51 1.11 -0.95	30.54 0.80 -0.27	30.27 0.84 -0.23	36.65 1.12 -0.41	57.28 1.95 -2.55	60.80 2.15 -3.05	63.83 2.13 -2.84	68.31 1.94 -2.77	58.66 1.61 -2.40	59.20 1.64 -2.13	81.07 2.34 -3.05	68.94 1.91 -2.32	60.05 1.67 -1.95	47.12 1.25 -1.30	47.26 1.54 -1.33	59.83 2.01 -2.44	66.76 2.26 -3.02	66.04 2.27 -2.85	56.15 1.86 -2.34	55.68 1.70 -2.31	53.78 1.47 -2.23	46.52 1.15 -1.80
ONONDAGA_REF_OCCRA 23987	53.11 0.18 -4.44	42.88 0.02 -2.25	42.61 0.00 -2.16	30.05 -0.03 -0.61	29.72 -0.01 -0.53	36.14 0.09 -0.93	58.90 0.35 -5.77	63.14 0.62 -6.92	66.08 0.77 -6.44	70.19 0.30 -6.30	60.30 0.22 -5.43	60.50 0.24 -4.84	82.84 0.25 -6.90	70.07 0.12 -5.25	60.97 0.14 -4.40	47.67 0.15 -2.96	47.61 0.22 -3.00	61.07 0.46 -5.23	68.30 0.47 -6.33	67.30 0.40 -5.98	57.22 0.36 -4.90	56.81 0.30 -4.84	55.00 0.24 -4.68	47.53 0.18 -3.78
ONONDAGA___COGEN 23986	54.37 -0.02 -5.89	43.45 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.72 0.09 -8.77	72.01 -0.02 -8.42	61.84 -0.06 -7.25	61.77 -0.08 -6.43	84.49 -0.38 -9.17	71.17 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.34 -0.03 -7.00	69.85 -0.11 -8.48	68.71 -0.20 -8.01	58.43 -0.08 -6.56	58.14 -0.01 -6.48	56.37 0.03 -6.26	48.63 0.00 -5.06
ONTARIO___LFGE 23819	54.79 1.77 -4.52	43.95 1.04 -2.29	43.61 0.97 -2.20	30.80 0.71 -0.63	30.51 0.78 -0.54	37.24 1.18 -0.95	60.78 2.11 -5.89	66.26 3.36 -7.31	68.98 3.24 -6.87	73.67 3.50 -6.58	62.72 2.41 -5.67	62.59 2.12 -5.05	85.00 2.11 -7.20	71.95 1.76 -5.47	62.83 1.80 -4.60	49.37 1.73 -3.08	49.13 1.61 -3.13	63.74 2.91 -5.46	71.44 3.35 -6.61	70.04 2.88 -6.25	59.71 2.64 -5.12	59.02 2.30 -5.06	57.07 2.10 -4.88	49.35 1.83 -3.95
ORANGEVILLE_WT_PWR 323706	52.73 1.57 -2.66	42.47 0.51 -1.35	42.22 0.48 -1.29	29.84 0.00 -0.37	29.56 0.06 -0.32	36.17 0.50 -0.56	56.99 0.76 -3.45	60.22 0.60 -4.03	62.80 0.14 -3.79	67.39 0.17 -3.62	58.08 0.28 -3.16	58.47 0.17 -2.88	80.24 0.44 -4.10	67.61 -0.22 -3.12	58.89 -0.16 -2.62	46.37 0.08 -1.73	45.82 -0.29 -1.72	58.40 0.03 -3.00	65.04 -0.08 -3.63	64.10 -0.24 -3.43	54.79 0.02 -2.81	54.56 0.12 -2.77	53.09 0.32 -2.68	46.54 0.80 -2.17
ORANGEVILLE___ESR 323794	52.73 1.57 -2.66	42.47 0.51 -1.35	42.22 0.48 -1.29	29.84 0.00 -0.37	29.56 0.06 -0.32	36.17 0.50 -0.56	56.99 0.76 -3.45	60.22 0.60 -4.03	62.80 0.14 -3.79	67.39 0.17 -3.62	58.08 0.28 -3.16	58.47 0.17 -2.88	80.24 0.44 -4.10	67.61 -0.22 -3.12	58.89 -0.16 -2.62	46.37 0.08 -1.73	45.82 -0.29 -1.72	58.40 0.03 -3.00	65.04 -0.08 -3.63	64.10 -0.24 -3.43	54.79 0.02 -2.81	54.56 0.12 -2.77	53.09 0.32 -2.68	46.54 0.80 -2.17
OSWEGATCHIE___HYD 24044	52.25 2.23 -1.53	43.06 1.67 -0.78	42.78 1.59 -0.74	30.78 1.10 -0.21	30.43 1.05 -0.18	36.84 1.41 -0.32	57.20 2.43 -1.99	60.48 2.50 -2.38	63.28 2.18 -2.23	67.62 1.87 -2.15	57.90 1.39 -1.86	58.16 1.08 -1.66	79.33 1.27 -2.37	67.46 0.95 -1.80	58.80 0.85 -1.51	46.23 0.65 -1.01	46.02 0.61 -1.03	58.08 0.90 -1.81	65.33 1.64 -2.20	65.17 2.17 -2.08	55.40 1.75 -1.70	55.39 2.04 -1.69	53.56 1.86 -1.63	46.27 1.39 -1.32
OSWEGO___5 23606	64.77 -0.87 -17.14	48.49 -0.82 -8.70	47.95 -0.83 -8.34	31.22 -0.63 -2.37	30.64 -0.60 -2.04	38.06 -0.65 -3.61	74.13 -0.92 -22.27	81.29 -1.00 -26.69	82.90 -1.10 -25.14	86.39 -1.18 -23.98	74.38 -0.97 -20.71	72.98 -1.01 -18.57	100.75 -1.42 -26.48	83.56 -1.31 -20.14	72.26 -1.09 -16.91	55.05 -0.82 -11.30	55.00 -0.81 -11.42	74.49 -0.84 -19.96	84.66 -1.01 -24.18	82.71 -1.05 -22.85	69.79 -0.87 -18.71	69.26 -0.90 -18.49	67.04 -0.89 -17.86	57.23 -0.78 -14.44
OSWEGO___6 23613	64.77 -0.87 -17.14	48.49 -0.82 -8.70	47.95 -0.83 -8.34	31.22 -0.63 -2.37	30.64 -0.60 -2.04	38.06 -0.65 -3.61	74.13 -0.92 -22.27	81.29 -1.00 -26.69	82.90 -1.10 -25.14	86.39 -1.18 -23.98	74.38 -0.97 -20.71	72.98 -1.01 -18.57	100.75 -1.42 -26.48	83.56 -1.31 -20.14	72.26 -1.09 -16.91	55.05 -0.82 -11.30	55.00 -0.81 -11.42	74.49 -0.84 -19.96	84.66 -1.01 -24.18	82.71 -1.05 -22.85	69.79 -0.87 -18.71	69.26 -0.90 -18.49	67.04 -0.89 -17.86	57.23 -0.78 -14.44



OUTOKUMPU-AB___DRP 24206	52.99 2.07 -2.42	42.58 0.74 -1.23	42.32 0.70 -1.18	29.85 0.04 -0.34	29.54 0.07 -0.29	36.28 0.66 -0.51	56.54 0.63 -3.13	59.31 0.19 -3.52	62.16 -0.02 -3.31	66.85 0.10 -3.16	58.47 1.06 -2.77	58.82 0.84 -2.55	80.11 0.78 -3.64	67.71 0.22 -2.77	58.95 0.19 -2.32	46.48 0.39 -1.52	45.75 -0.15 -1.50	57.76 -0.23 -2.62	63.98 -0.67 -3.17	63.30 -0.61 -2.99	54.20 -0.21 -2.45	54.17 0.08 -2.42	52.89 0.46 -2.34	46.66 1.21 -1.89
OXBOW___BTM 323836	52.57 1.66 -2.41	42.23 0.40 -1.22	41.98 0.37 -1.17	29.60 -0.21 -0.33	29.28 -0.19 -0.29	35.96 0.35 -0.51	56.00 0.11 -3.11	58.54 -0.56 -3.50	61.44 -0.72 -3.29	66.08 -0.65 -3.14	57.89 0.50 -2.75	58.39 0.42 -2.54	79.28 -0.03 -3.62	67.20 -0.27 -2.75	58.43 -0.31 -2.31	46.10 0.02 -1.52	45.39 -0.49 -1.50	57.21 -0.77 -2.60	63.29 -1.35 -3.15	62.62 -1.28 -2.98	53.67 -0.72 -2.44	53.65 -0.43 -2.41	52.37 -0.04 -2.33	46.23 0.78 -1.88
OXBOW___ 24026	52.57 1.67 -2.41	42.23 0.40 -1.22	41.99 0.37 -1.17	29.60 -0.20 -0.33	29.28 -0.19 -0.29	35.96 0.34 -0.51	56.00 0.11 -3.11	58.56 -0.54 -3.50	61.44 -0.71 -3.29	66.08 -0.65 -3.14	57.96 0.56 -2.75	58.34 0.37 -2.54	79.27 -0.03 -3.62	67.20 -0.27 -2.75	58.45 -0.29 -2.31	46.10 0.02 -1.52	45.39 -0.49 -1.50	57.19 -0.78 -2.60	63.22 -1.42 -3.15	62.59 -1.30 -2.98	53.65 -0.74 -2.44	53.61 -0.47 -2.41	52.33 -0.07 -2.33	46.23 0.79 -1.88
OXY_CHEM_DSASP 323612	52.17 1.28 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.38 -0.42 -0.33	29.06 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.37 -3.10	57.84 -1.24 -3.48	60.75 -1.39 -3.28	65.30 -1.43 -3.13	57.41 0.03 -2.74	57.81 -0.13 -2.52	78.43 -0.86 -3.60	66.63 -0.82 -2.74	57.90 -0.83 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.56 -1.40 -2.59	62.39 -2.23 -3.13	61.83 -2.05 -2.96	53.06 -1.32 -2.43	53.03 -1.04 -2.40	51.78 -0.62 -2.31	45.82 0.38 -1.87
OZONE_PARK_ESR 323760	50.61 1.77 -0.34	42.65 1.86 -0.18	42.94 1.65 -0.84	30.82 1.35 0.00	30.61 1.38 -0.04	36.97 1.67 -0.19	55.37 2.30 -0.29	58.06 2.46 0.00	147.46 2.86 -85.73	69.00 3.15 -2.26	57.33 2.68 0.00	59.72 2.95 -1.35	81.49 4.18 -1.62	68.71 3.82 -0.18	59.63 3.20 0.00	47.07 2.51 0.00	46.96 2.57 0.00	58.89 3.52 0.00	65.21 3.72 0.00	64.13 3.21 0.00	54.48 2.53 0.00	54.07 2.40 0.00	53.20 2.34 -0.78	47.09 2.09 -1.42
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	52.17 1.28 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.38 -0.42 -0.33	29.06 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.37 -3.10	57.84 -1.24 -3.48	60.75 -1.39 -3.28	65.30 -1.43 -3.13	57.41 0.03 -2.74	57.81 -0.13 -2.52	78.43 -0.86 -3.60	66.63 -0.82 -2.74	57.90 -0.83 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.56 -1.40 -2.59	62.39 -2.23 -3.13	61.83 -2.05 -2.96	53.06 -1.32 -2.43	53.03 -1.04 -2.40	51.78 -0.62 -2.31	45.82 0.38 -1.87
PACKARD__115KV_DUPONT_184 80571	52.17 1.28 -2.39	41.90 0.08 -1.22	41.67 0.06 -1.16	29.38 -0.42 -0.33	29.06 -0.42 -0.28	35.67 0.06 -0.50	55.51 -0.37 -3.10	57.84 -1.24 -3.48	60.75 -1.39 -3.28	65.30 -1.43 -3.13	57.41 0.03 -2.74	57.81 -0.13 -2.52	78.43 -0.86 -3.60	66.63 -0.82 -2.74	57.90 -0.83 -2.30	45.68 -0.39 -1.51	44.99 -0.89 -1.49	56.56 -1.40 -2.59	62.39 -2.23 -3.13	61.83 -2.05 -2.96	53.06 -1.32 -2.43	53.03 -1.04 -2.40	51.78 -0.62 -2.31	45.82 0.38 -1.87
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	50.13 1.29 -0.34	42.29 1.50 -0.18	42.56 1.27 -0.84	30.54 1.07 0.00	30.31 1.08 -0.04	36.59 1.29 -0.19	54.90 1.83 -0.29	57.62 2.02 0.00	127.96 2.38 -66.72	67.70 2.35 -1.76	56.52 1.87 0.00	58.97 2.20 -1.35	80.25 2.94 -1.62	67.67 2.78 -0.18	58.74 2.30 0.00	46.33 1.76 0.00	46.25 1.86 0.00	57.91 2.54 0.00	64.11 2.63 0.00	63.14 2.23 0.00	53.64 1.69 0.00	53.24 1.56 0.00	52.44 1.58 -0.78	46.40 1.41 -1.42
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	51.49 2.65 -0.34	43.41 2.62 -0.18	43.70 2.42 -0.84	31.38 1.91 0.00	31.15 1.91 -0.04	37.64 2.34 -0.19	56.54 3.46 -0.29	59.20 3.60 0.00	129.62 4.04 -66.72	69.46 4.11 -1.76	58.04 3.39 0.00	60.54 3.76 -1.35	82.43 5.12 -1.62	69.48 4.59 -0.18	60.56 4.13 0.00	47.77 3.21 0.00	47.70 3.31 0.00	59.66 4.29 0.00	65.80 4.31 0.00	64.79 3.88 0.00	55.04 3.09 0.00	54.62 2.95 0.00	53.76 2.90 -0.78	47.57 2.58 -1.42
PATROON__115KV_TB1 80586	47.63 -0.58 0.29	40.18 -0.28 0.15	39.43 -0.31 0.70	29.35 -0.12 0.00	29.09 -0.08 0.03	34.80 -0.15 0.16	52.07 -0.47 0.24	55.14 -0.46 0.00	58.57 -0.30 0.00	63.28 -0.31 0.00	54.30 -0.35 0.00	53.97 -0.33 1.13	74.00 -0.33 1.35	64.48 -0.09 0.15	56.31 -0.13 0.00	44.45 -0.11 0.00	44.32 -0.07 0.00	55.50 0.13 0.00	61.24 -0.24 0.00	60.51 -0.40 0.00	51.62 -0.34 0.00	51.33 -0.35 0.00	49.01 -0.42 0.65	42.00 -0.39 1.19
PATTRSNVILLE___SOLAR 323815	49.20 0.95 0.24	41.37 0.89 0.13	40.74 0.90 0.60	30.17 0.71 0.00	29.88 0.72 0.03	35.80 0.83 0.14	53.80 1.23 0.21	56.96 1.36 0.00	60.34 1.48 0.00	65.11 1.51 0.00	55.88 1.23 0.00	55.68 1.22 0.97	76.19 1.66 1.16	66.06 1.47 0.13	57.77 1.33 0.00	45.65 1.09 0.00	45.56 1.17 0.00	56.99 1.62 0.00	63.10 1.61 0.00	62.40 1.49 0.00	53.21 1.26 0.00	52.91 1.24 0.00	50.62 1.10 0.56	43.49 0.94 1.02
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	52.71 1.73 -2.48	42.36 0.49 -1.26	42.14 0.49 -1.21	29.76 -0.05 -0.34	29.48 -0.01 -0.30	36.17 0.54 -0.52	56.72 0.74 -3.21	59.81 0.58 -3.63	62.55 0.27 -3.42	67.29 0.43 -3.26	58.63 1.13 -2.85	59.13 1.08 -2.62	80.95 1.52 -3.74	68.05 0.49 -2.84	59.34 0.52 -2.39	46.75 0.62 -1.57	46.09 0.15 -1.55	58.41 0.33 -2.70	64.95 0.19 -3.27	64.08 0.08 -3.09	54.75 0.26 -2.53	54.51 0.34 -2.50	53.04 0.55 -2.42	46.54 1.02 -1.95
PAWLING_115_KV_BK3_REV_LBMP_H 345028	49.99 1.16 -0.34	42.07 1.28 -0.18	42.42 1.15 -0.83	30.44 0.97 0.00	30.22 0.99 -0.03	36.49 1.19 -0.19	54.72 1.66 -0.29	57.38 1.78 0.00	60.95 2.09 0.00	65.94 2.34 0.00	56.57 1.92 0.00	58.87 2.12 -1.33	80.35 3.06 -1.60	67.71 2.82 -0.18	58.75 2.32 0.00	46.40 1.84 0.00	46.31 1.92 0.00	58.13 2.76 0.00	64.40 2.92 0.00	63.45 2.54 0.00	53.93 1.97 0.00	53.50 1.83 0.00	52.46 1.72 -0.66	46.28 1.49 -1.21
PEEKSKILL___ 23653	49.67 0.83 -0.34	41.84 1.05 -0.18	42.17 0.90 -0.83	30.27 0.80 0.00	30.04 0.82 -0.03	36.27 0.97 -0.19	54.37 1.31 -0.29	56.94 1.34 0.00	60.44 1.58 0.00	65.35 1.76 0.00	56.05 1.40 0.00	58.38 1.63 -1.33	79.68 2.40 -1.59	67.14 2.25 -0.17	58.26 1.82 0.00	45.99 1.43 0.00	45.92 1.53 0.00	57.63 2.26 0.00	63.85 2.36 0.00	62.81 1.90 0.00	53.37 1.41 0.00	52.97 1.30 0.00	52.13 1.29 -0.77	46.15 1.18 -1.40
PGE MADISON___WINDPWR 24146	54.72 3.20 -3.02	44.57 2.43 -1.53	44.33 2.42 -1.47	31.61 1.73 -0.42	31.35 1.79 -0.36	38.14 2.39 -0.64	60.81 4.11 -3.93	64.66 4.34 -4.73	67.55 4.23 -4.45	72.27 4.44 -4.24	61.94 3.64 -3.66	62.40 3.70 -3.28	85.79 5.42 -4.68	72.42 4.14 -3.56	62.95 3.53 -2.99	49.36 2.80 -2.00	49.33 2.92 -2.02	63.44 4.55 -3.52	70.78 5.03 -4.27	69.81 4.87 -4.03	59.23 3.98 -3.30	58.29 3.36 -3.26	56.02 2.79 -3.15	48.49 2.38 -2.55



PIERCEFIELD___HYD 23852	51.30 1.98 -0.82	42.50 1.48 -0.42	42.23 1.39 -0.40	30.48 0.90 -0.11	30.09 0.80 -0.10	36.36 1.09 -0.17	55.67 1.82 -1.07	58.78 1.90 -1.27	61.70 1.64 -1.19	66.18 1.43 -1.15	56.81 1.17 -1.00	57.27 0.96 -0.89	78.11 1.15 -1.27	66.53 0.85 -0.96	57.90 0.66 -0.81	45.61 0.50 -0.54	45.20 0.26 -0.55	56.26 -0.08 -0.97	63.24 0.58 -1.18	63.24 1.21 -1.12	53.97 1.10 -0.91	54.13 1.55 -0.90	52.67 1.72 -0.87	45.67 1.40 -0.71
PINELAWN_CC_1 323563	48.93 0.49 0.06	42.06 1.27 -0.18	42.71 1.42 -0.84	30.59 1.12 0.00	30.24 1.01 -0.04	36.61 1.31 -0.19	54.25 1.18 -0.29	55.26 0.66 1.01	55.30 0.62 4.18	56.02 0.59 8.16	51.91 0.41 3.14	50.13 0.56 5.86	67.77 1.05 8.97	55.84 1.25 10.13	51.00 0.90 6.35	50.71 0.76 -5.38	51.35 0.88 -6.07	53.99 1.36 2.75	78.39 1.30 -15.61	56.95 0.85 4.82	54.96 0.88 -2.13	39.26 1.12 13.53	49.86 1.16 1.39	46.62 1.62 -1.43
PJM_GEN_HTTP_PROXY 323702	51.05 1.12 -1.44	40.55 1.33 1.39	42.44 1.15 -0.84	30.48 1.01 0.00	30.27 1.05 -0.04	32.43 1.25 3.93	54.70 1.63 -0.29	57.32 1.72 0.00	167.81 2.08 -106.86	68.71 2.30 -2.81	56.61 1.96 0.00	58.99 2.22 -1.35	80.48 3.17 -1.62	67.82 2.92 -0.18	58.87 2.44 0.00	46.45 1.88 0.00	46.36 1.97 0.00	56.14 2.74 1.97	66.98 2.85 -2.65	63.26 2.35 0.00	53.74 1.79 0.00	53.34 1.66 0.00	52.49 1.63 -0.78	46.50 1.51 -1.42
PJM_GEN_KEystone 24065	55.07 0.60 -5.98	39.62 0.27 1.26	41.26 0.22 -0.60	29.59 0.08 -0.04	28.99 0.13 0.33	31.07 0.36 4.39	54.96 0.57 -1.61	57.69 0.47 -1.61	60.78 0.30 -1.62	63.66 0.36 0.30	54.74 0.54 0.44	56.86 0.64 -0.79	78.93 0.92 -2.32	66.32 0.41 -1.19	56.75 0.33 0.02	45.36 0.33 -0.47	41.78 0.18 2.79	59.12 0.61 -3.14	66.73 0.60 -4.64	62.41 0.15 -1.35	52.98 0.15 -0.89	52.63 0.14 -0.82	51.84 0.31 -1.45	45.64 0.53 -1.55
PJM_GEN_NEPTUNE_PROXY 323594	49.65 0.20 -0.96	40.18 0.96 1.39	41.82 1.10 -0.27	30.36 0.90 0.01	30.00 0.77 -0.04	32.16 0.98 3.93	53.86 0.79 -0.29	54.75 0.40 1.25	52.51 0.71 7.06	52.90 0.85 11.55	48.53 0.72 6.83	45.58 0.85 10.69	64.24 1.36 12.80	48.22 1.50 17.99	44.16 1.12 13.40	45.48 0.96 0.04	46.15 1.09 -0.67	39.55 1.74 17.56	52.54 1.72 10.66	41.10 1.21 21.02	43.54 0.91 9.32	27.83 0.74 24.58	46.39 0.83 4.52	36.96 1.27 7.88
PJM_GEN_VFT_PROXY 323633	41.35 0.84 7.98	32.90 1.11 8.82	34.59 0.91 6.76	28.00 0.86 2.33	22.71 0.88 7.36	22.53 1.03 13.62	46.16 1.36 7.98	48.80 1.44 8.24	54.12 1.73 6.47	33.10 1.88 32.37	25.46 1.58 30.76	38.10 1.81 19.14	45.69 2.61 32.62	47.53 2.46 19.65	37.77 2.04 20.71	39.40 1.58 6.74	40.07 1.65 5.97	39.62 2.44 18.19	44.48 2.60 19.60	42.98 1.96 19.89	42.20 1.43 11.18	40.45 1.30 12.52	42.70 1.31 8.69	41.55 1.27 3.28
PLATSBURG_115KV_PMLD1 355749	50.46 1.96 0.00	42.18 1.57 0.00	41.94 1.50 0.00	30.53 1.06 0.00	30.00 0.81 0.00	36.02 0.91 0.00	53.17 0.39 0.00	55.22 -0.38 0.00	58.25 -0.61 0.00	62.69 -0.90 0.00	53.71 -0.93 0.00	54.21 -1.21 0.00	74.23 -1.47 0.00	63.54 -1.18 0.00	55.22 -1.21 0.00	43.55 -1.02 0.00	43.33 -1.06 0.00	53.85 -1.52 0.00	59.93 -1.56 0.00	59.34 -1.57 0.00	50.85 -1.11 0.00	52.16 0.49 0.00	51.72 1.64 0.00	45.02 1.45 0.00
PLEASANTVLY___LBMP 24000	49.26 0.38 -0.38	41.46 0.65 -0.20	41.93 0.55 -0.93	30.02 0.55 0.00	29.79 0.56 -0.04	35.95 0.63 -0.21	53.88 0.78 -0.32	56.40 0.80 0.00	59.88 1.02 0.00	64.75 1.16 0.00	55.51 0.86 0.00	57.96 1.03 -1.50	79.02 1.52 -1.81	66.44 1.53 -0.20	57.65 1.21 0.00	45.50 0.94 0.00	45.43 1.04 0.00	56.96 1.59 0.00	63.05 1.57 0.00	62.10 1.19 0.00	52.85 0.89 0.00	52.48 0.81 0.00	51.74 0.78 -0.88	45.90 0.72 -1.61
PLSNTVLE_13_KV_13.8KVDIST 80602	49.86 1.02 -0.35	42.01 1.21 -0.18	42.36 1.07 -0.85	30.39 0.92 0.00	30.18 0.95 -0.04	36.43 1.12 -0.19	54.58 1.51 -0.29	57.16 1.56 0.00	66.03 1.90 -5.27	65.87 2.13 -0.14	56.37 1.72 0.00	58.73 1.94 -1.36	80.11 2.78 -1.64	67.50 2.60 -0.18	58.59 2.16 0.00	46.26 1.70 0.00	46.19 1.80 0.00	57.92 2.54 0.00	64.10 2.61 0.00	63.15 2.24 0.00	53.64 1.68 0.00	53.25 1.57 0.00	52.39 1.52 -0.79	46.36 1.35 -1.44
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	49.86 1.02 -0.35	42.01 1.21 -0.18	42.36 1.07 -0.85	30.39 0.92 0.00	30.18 0.95 -0.04	36.43 1.12 -0.19	54.58 1.51 -0.29	57.16 1.56 0.00	66.03 1.90 -5.27	65.87 2.13 -0.14	56.37 1.72 0.00	58.73 1.94 -1.36	80.11 2.78 -1.64	67.50 2.60 -0.18	58.59 2.16 0.00	46.26 1.70 0.00	46.19 1.80 0.00	57.92 2.54 0.00	64.10 2.61 0.00	63.15 2.24 0.00	53.64 1.68 0.00	53.25 1.57 0.00	52.39 1.52 -0.79	46.36 1.35 -1.44
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	49.72 0.89 -0.33	41.83 1.05 -0.17	42.19 0.94 -0.81	30.28 0.82 0.00	30.06 0.83 -0.03	36.27 0.98 -0.18	54.42 1.36 -0.28	57.06 1.46 0.00	60.59 1.73 0.00	65.54 1.95 0.00	56.20 1.56 0.00	58.43 1.71 -1.30	79.75 2.50 -1.56	67.22 2.34 -0.17	58.35 1.92 0.00	46.06 1.50 0.00	45.99 1.60 0.00	57.72 2.34 0.00	63.92 2.43 0.00	63.01 2.10 0.00	53.58 1.63 0.00	53.12 1.45 0.00	51.07 1.35 0.37	44.06 1.17 0.67
POLETTI____ 23519	34.75 0.83 14.57	28.17 1.16 13.60	27.62 0.90 13.73	24.59 0.80 5.69	24.57 0.80 5.42	24.60 0.96 11.48	38.87 1.34 15.25	43.81 1.47 13.26	83.00 1.88 -22.26	54.02 1.77 11.35	44.26 1.30 11.69	38.31 1.61 18.73	69.71 2.10 8.08	56.62 2.07 10.17	40.81 1.68 17.31	34.72 1.29 11.13	33.10 1.39 12.69	40.07 1.94 17.24	38.28 2.00 25.20	38.86 1.59 23.63	37.57 1.15 15.53	41.47 1.02 11.23	42.08 1.08 9.07	36.04 0.95 8.47
POMONA___ESR 323819	49.76 0.94 -0.32	41.87 1.09 -0.17	42.18 0.94 -0.79	30.29 0.82 0.00	30.07 0.84 -0.03	36.29 1.00 -0.18	54.46 1.40 -0.27	57.06 1.46 0.00	60.53 1.67 0.00	65.44 1.84 0.00	56.14 1.50 0.00	58.41 1.72 -1.27	79.78 2.56 -1.53	67.26 2.38 -0.17	58.36 1.92 0.00	46.09 1.52 0.00	46.03 1.64 0.00	57.78 2.41 0.00	64.08 2.59 0.00	63.00 2.09 0.00	53.50 1.55 0.00	53.10 1.43 0.00	52.22 1.41 -0.73	46.19 1.29 -1.33
PORT_JEFF_3 23555	48.34 -0.05 0.11	41.69 0.90 -0.18	42.01 1.07 -0.50	30.36 0.89 0.00	30.03 0.80 -0.04	36.36 1.06 -0.19	53.80 0.73 -0.29	54.39 -0.06 1.15	53.09 0.12 5.90	53.68 0.29 10.20	49.75 0.48 5.38	47.38 0.74 8.78	65.70 1.17 11.16	51.48 1.48 14.71	47.13 1.18 10.49	47.74 1.09 -2.08	48.44 1.26 -2.78	46.62 1.62 10.37	61.20 1.66 1.95	47.57 1.09 14.43	47.96 0.74 4.73	32.01 0.55 20.21	47.41 0.63 3.30	40.58 1.29 4.27
PORT_JEFF_4 23616	48.34 -0.05 0.11	41.69 0.90 -0.18	42.01 1.07 -0.50	30.36 0.89 0.00	30.03 0.80 -0.04	36.36 1.06 -0.19	53.80 0.73 -0.29	54.39 -0.06 1.15	53.09 0.12 5.90	53.68 0.29 10.20	49.75 0.48 5.38	47.38 0.74 8.78	65.70 1.17 11.16	51.48 1.48 14.71	47.13 1.18 10.49	47.74 1.09 -2.08	48.44 1.26 -2.78	46.62 1.62 10.37	61.20 1.66 1.95	47.57 1.09 14.43	47.96 0.74 4.73	32.01 0.55 20.21	47.41 0.63 3.30	40.58 1.29 4.27



PORT_JEFF_IC 23713	48.44 0.05 0.10	41.76 0.97 -0.18	42.12 1.17 -0.51	30.45 0.98 0.00	30.07 0.84 -0.04	36.42 1.12 -0.19	53.93 0.85 -0.29	54.53 0.08 1.15	53.34 0.31 5.84	53.97 0.52 10.14	49.93 0.60 5.31	47.64 0.91 8.69	65.99 1.38 11.08	51.78 1.62 14.55	47.41 1.32 10.35	47.97 1.23 -2.18	48.66 1.39 -2.88	47.08 1.83 10.12	62.01 1.93 1.41	48.10 1.31 14.12	48.35 0.91 4.51	32.39 0.72 20.01	47.59 0.75 3.24	40.82 1.36 4.11
PPL PILGRIM_ST_GT1 24216	48.95 0.55 0.10	42.19 1.41 -0.18	42.57 1.57 -0.56	30.70 1.23 0.00	30.35 1.13 -0.04	36.75 1.45 -0.19	54.43 1.36 -0.29	55.19 0.72 1.13	54.25 1.00 5.61	54.92 1.20 9.87	50.72 1.09 5.02	48.41 1.29 8.30	66.83 1.90 10.76	52.68 1.87 13.91	48.15 1.49 9.77	48.52 1.36 -2.60	49.21 1.52 -3.30	48.36 2.08 9.10	64.48 2.13 -0.86	49.72 1.62 12.81	49.73 1.37 3.60	33.70 1.17 19.14	48.31 1.23 2.99	41.92 1.74 3.39
PPL PILGRIM_ST_GT2 24217	48.95 0.55 0.10	42.19 1.41 -0.18	42.57 1.57 -0.56	30.70 1.23 0.00	30.35 1.13 -0.04	36.75 1.45 -0.19	54.43 1.36 -0.29	55.19 0.72 1.13	54.25 1.00 5.61	54.92 1.20 9.87	50.72 1.09 5.02	48.41 1.29 8.30	66.83 1.90 10.76	52.68 1.87 13.91	48.15 1.49 9.77	48.52 1.36 -2.60	49.21 1.52 -3.30	48.36 2.08 9.10	64.48 2.13 -0.86	49.72 1.62 12.81	49.73 1.37 3.60	33.70 1.17 19.14	48.31 1.23 2.99	41.92 1.74 3.39
PPL_SHRM_GT3 24213	47.84 -0.55 0.10	41.28 0.49 -0.18	41.62 0.67 -0.51	30.09 0.63 0.00	29.78 0.55 -0.04	36.07 0.77 -0.19	53.38 0.31 -0.29	53.99 -0.47 1.15	52.78 -0.21 5.87	53.41 -0.01 10.17	49.45 0.15 5.34	47.01 0.31 8.73	65.16 0.58 11.12	51.08 1.00 14.63	46.87 0.84 10.41	47.56 0.86 -2.13	48.26 1.04 -2.83	46.56 1.43 10.24	61.24 1.43 1.67	47.55 0.90 14.27	47.90 0.56 4.61	31.88 0.32 20.11	47.14 0.32 3.27	40.34 0.96 4.19
PPL_SHRM_GT4 24214	47.84 -0.55 0.10	41.28 0.49 -0.18	41.62 0.67 -0.51	30.09 0.63 0.00	29.78 0.55 -0.04	36.07 0.77 -0.19	53.38 0.31 -0.29	53.99 -0.47 1.15	52.78 -0.21 5.87	53.41 -0.01 10.17	49.45 0.15 5.34	47.01 0.31 8.73	65.16 0.58 11.12	51.08 1.00 14.63	46.87 0.84 10.41	47.56 0.86 -2.13	48.26 1.04 -2.83	46.56 1.43 10.24	61.24 1.43 1.67	47.55 0.90 14.27	47.90 0.56 4.61	31.88 0.32 20.11	47.14 0.32 3.27	40.34 0.96 4.19
PROJECT___ORANGE 1 24174	52.33 -0.21 -4.05	42.36 -0.30 -2.05	42.09 -0.32 -1.97	29.76 -0.26 -0.56	29.44 -0.24 -0.48	35.77 -0.19 -0.85	57.92 -0.13 -5.26	61.97 0.11 -6.27	64.95 0.26 -5.83	69.09 -0.22 -5.72	59.42 -0.17 -4.94	59.67 -0.15 -4.40	81.68 -0.29 -6.28	69.15 -0.34 -4.78	60.20 -0.24 -4.01	47.13 -0.13 -2.69	47.05 -0.07 -2.73	60.20 0.09 -4.74	67.19 -0.02 -5.72	66.21 -0.10 -5.40	56.32 -0.06 -4.42	55.92 -0.13 -4.37	54.12 -0.18 -4.22	46.81 -0.17 -3.41
PROJECT___ORANGE 2 24166	52.33 -0.21 -4.05	42.36 -0.30 -2.05	42.09 -0.32 -1.97	29.76 -0.26 -0.56	29.44 -0.24 -0.48	35.77 -0.19 -0.85	57.92 -0.13 -5.26	61.97 0.11 -6.27	64.95 0.26 -5.83	69.09 -0.22 -5.72	59.42 -0.17 -4.94	59.67 -0.15 -4.40	81.68 -0.29 -6.28	69.15 -0.34 -4.78	60.20 -0.24 -4.01	47.13 -0.13 -2.69	47.05 -0.07 -2.73	60.20 0.09 -4.74	67.19 -0.02 -5.72	66.21 -0.10 -5.40	56.32 -0.06 -4.42	55.92 -0.13 -4.37	54.12 -0.18 -4.22	46.81 -0.17 -3.41
PUCKETT___SOLAR 323809	52.39 1.02 -2.88	42.74 0.67 -1.46	42.54 0.69 -1.41	30.32 0.45 -0.40	30.04 0.50 -0.34	36.40 0.69 -0.61	57.84 1.31 -3.75	61.42 1.33 -4.49	64.27 1.18 -4.23	68.85 1.25 -4.01	59.14 1.02 -3.47	59.68 1.14 -3.12	81.58 1.43 -4.46	68.84 0.73 -3.39	59.95 0.67 -2.85	47.09 0.62 -1.90	47.04 0.73 -1.92	60.14 1.42 -3.34	67.02 1.48 -4.05	66.00 1.26 -3.83	56.28 1.19 -3.13	55.69 0.91 -3.10	53.80 0.73 -2.99	46.62 0.63 -2.42
PYRITES___HYD 24023	52.01 2.76 -0.76	43.15 2.15 -0.38	42.87 2.05 -0.37	30.93 1.36 -0.11	30.54 1.26 -0.09	36.97 1.70 -0.16	56.64 2.87 -0.99	59.74 2.96 -1.18	62.45 2.48 -1.11	66.64 1.98 -1.07	57.10 1.53 -0.92	57.49 1.24 -0.83	78.44 1.57 -1.18	66.69 1.08 -0.89	57.99 0.80 -0.75	45.81 0.75 -0.50	45.44 0.54 -0.51	56.73 0.45 -0.90	64.37 1.79 -1.10	64.57 2.62 -1.04	55.07 2.26 -0.85	55.07 2.56 -0.84	53.49 2.60 -0.81	46.36 2.14 -0.65
QUAKERRD_115KV_BK1 80622	50.60 -0.22 -2.32	41.19 -0.60 -1.18	40.95 -0.62 -1.13	29.17 -0.62 -0.32	28.88 -0.58 -0.28	35.17 -0.43 -0.49	55.28 -0.50 -3.00	58.37 -0.56 -3.34	61.23 -0.77 -3.14	65.85 -0.75 -3.00	57.00 -0.28 -2.63	57.52 -0.34 -2.44	78.64 -0.53 -3.48	66.63 -0.73 -2.64	58.10 -0.55 -2.22	45.65 -0.37 -1.45	45.39 -0.43 -1.43	57.62 -0.23 -2.49	64.06 -0.43 -3.01	63.31 -0.45 -2.84	53.90 -0.38 -2.33	53.53 -0.44 -2.30	51.83 -0.47 -2.22	45.09 -0.27 -1.80
QUENSBRY_115KV_TB8 356137	49.54 1.38 0.33	41.64 1.21 0.18	40.90 1.28 0.82	30.52 1.05 0.00	30.28 1.12 0.03	36.26 1.34 0.19	54.23 1.74 0.28	57.47 1.87 0.00	61.03 2.17 0.00	65.87 2.27 0.00	56.53 1.89 0.00	55.85 1.74 1.31	76.68 2.57 1.58	66.89 2.35 0.17	58.48 2.05 0.00	46.13 1.57 0.00	46.03 1.64 0.00	57.82 2.45 0.00	64.08 2.59 0.00	63.44 2.53 0.00	54.00 2.05 0.00	53.52 1.85 0.00	50.93 1.61 0.76	43.48 1.30 1.39
RAMAPO___LBMP 323565	49.52 0.71 -0.32	41.68 0.90 -0.17	41.97 0.75 -0.78	30.15 0.68 0.00	29.92 0.70 -0.03	36.12 0.83 -0.18	54.21 1.16 -0.27	56.81 1.21 0.00	60.25 1.39 0.00	65.10 1.51 0.00	55.83 1.19 0.00	58.09 1.42 -1.25	79.34 2.15 -1.50	66.90 2.02 -0.16	58.02 1.59 0.00	45.80 1.24 0.00	45.75 1.36 0.00	57.46 2.09 0.00	63.73 2.25 0.00	62.67 1.75 0.00	53.23 1.28 0.00	52.85 1.18 0.00	51.97 1.17 -0.72	45.95 1.07 -1.31
RANKINE____ 23646	53.02 2.05 -2.47	42.61 0.75 -1.25	42.38 0.73 -1.20	29.91 0.10 -0.34	29.62 0.13 -0.29	36.33 0.70 -0.52	56.91 0.93 -3.19	59.95 0.75 -3.61	62.71 0.45 -3.40	67.48 0.64 -3.24	58.79 1.31 -2.84	59.20 1.17 -2.61	81.08 1.67 -3.72	68.21 0.66 -2.83	59.49 0.68 -2.38	46.80 0.68 -1.56	46.16 0.23 -1.54	58.45 0.39 -2.69	64.95 0.22 -3.25	64.15 0.17 -3.07	54.84 0.37 -2.51	54.64 0.48 -2.49	53.19 0.71 -2.40	46.73 1.22 -1.94
RAVENSWOOD_GT2_1 24244	50.01 1.17 -0.34	42.17 1.37 -0.18	42.48 1.20 -0.84	30.51 1.04 0.00	30.31 1.09 -0.04	36.58 1.28 -0.19	54.77 1.70 -0.29	57.38 1.78 0.00	127.72 2.14 -66.72	67.73 2.38 -1.76	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.46 1.89 0.00	46.36 1.97 0.00	58.13 2.76 0.00	64.35 2.86 0.00	63.29 2.37 0.00	53.77 1.81 0.00	53.37 1.70 0.00	52.53 1.67 -0.78	46.51 1.52 -1.42
RAVENSWOOD_GT2_2 24245	50.01 1.17 -0.34	42.17 1.37 -0.18	42.48 1.20 -0.84	30.51 1.04 0.00	30.31 1.09 -0.04	36.58 1.28 -0.19	54.77 1.70 -0.29	57.38 1.78 0.00	127.72 2.14 -66.72	67.73 2.38 -1.76	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.46 1.89 0.00	46.36 1.97 0.00	58.13 2.76 0.00	64.35 2.86 0.00	63.29 2.37 0.00	53.77 1.81 0.00	53.37 1.70 0.00	52.53 1.67 -0.78	46.51 1.52 -1.42



RAVENSWOOD_GT2_3 24246	50.04 1.20 -0.34	42.20 1.41 -0.18	42.51 1.23 -0.84	30.52 1.05 0.00	30.32 1.09 -0.04	36.59 1.29 -0.19	54.79 1.72 -0.29	57.42 1.82 0.00	127.77 2.19 -66.72	67.76 2.41 -1.76	56.67 2.03 0.00	59.04 2.27 -1.35	80.56 3.25 -1.62	67.87 2.98 -0.18	58.92 2.49 0.00	46.49 1.92 0.00	46.40 2.01 0.00	58.17 2.80 0.00	64.40 2.91 0.00	63.33 2.42 0.00	53.79 1.84 0.00	53.40 1.73 0.00	52.56 1.70 -0.78	46.54 1.54 -1.42
RAVENSWOOD_GT2_4 24247	50.04 1.20 -0.34	42.20 1.41 -0.18	42.51 1.23 -0.84	30.52 1.05 0.00	30.32 1.09 -0.04	36.59 1.29 -0.19	54.79 1.72 -0.29	57.42 1.82 0.00	127.77 2.19 -66.72	67.76 2.41 -1.76	56.67 2.03 0.00	59.04 2.27 -1.35	80.56 3.25 -1.62	67.87 2.98 -0.18	58.92 2.49 0.00	46.49 1.92 0.00	46.40 2.01 0.00	58.17 2.80 0.00	64.40 2.91 0.00	63.33 2.42 0.00	53.79 1.84 0.00	53.40 1.73 0.00	52.56 1.70 -0.78	46.54 1.54 -1.42
RAVENSWOOD_GT3_1 24248	50.01 1.18 -0.34	42.17 1.37 -0.18	42.48 1.20 -0.84	30.51 1.04 0.00	30.31 1.09 -0.04	36.58 1.28 -0.19	54.77 1.70 -0.29	57.38 1.78 0.00	127.72 2.14 -66.72	67.73 2.38 -1.76	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.46 1.89 0.00	46.37 1.98 0.00	58.13 2.76 0.00	64.35 2.86 0.00	63.29 2.38 0.00	53.77 1.81 0.00	53.37 1.70 0.00	52.53 1.67 -0.78	46.51 1.52 -1.42
RAVENSWOOD_GT3_2 24249	50.01 1.18 -0.34	42.17 1.37 -0.18	42.48 1.20 -0.84	30.51 1.04 0.00	30.31 1.09 -0.04	36.58 1.28 -0.19	54.77 1.70 -0.29	57.38 1.78 0.00	127.72 2.14 -66.72	67.73 2.38 -1.76	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.46 1.89 0.00	46.37 1.98 0.00	58.13 2.76 0.00	64.35 2.86 0.00	63.29 2.38 0.00	53.77 1.81 0.00	53.37 1.70 0.00	52.53 1.67 -0.78	46.51 1.52 -1.42
RAVENSWOOD_GT3_3 24250	50.10 1.27 -0.34	42.24 1.46 -0.18	42.55 1.26 -0.84	30.56 1.09 0.00	30.36 1.13 -0.04	36.64 1.35 -0.19	54.86 1.79 -0.29	57.49 1.89 0.00	127.84 2.26 -66.72	67.87 2.52 -1.76	56.74 2.10 0.00	59.13 2.36 -1.35	80.67 3.36 -1.62	67.97 3.07 -0.18	59.02 2.58 0.00	46.56 2.00 0.00	46.46 2.07 0.00	58.26 2.88 0.00	64.48 2.99 0.00	63.42 2.50 0.00	53.88 1.93 0.00	53.47 1.80 0.00	52.63 1.77 -0.78	46.59 1.60 -1.42
RAVENSWOOD_GT3_4 24251	50.10 1.27 -0.34	42.24 1.46 -0.18	42.55 1.26 -0.84	30.56 1.09 0.00	30.36 1.13 -0.04	36.64 1.35 -0.19	54.86 1.79 -0.29	57.49 1.89 0.00	127.84 2.26 -66.72	67.87 2.52 -1.76	56.74 2.10 0.00	59.13 2.36 -1.35	80.67 3.36 -1.62	67.97 3.07 -0.18	59.02 2.58 0.00	46.56 2.00 0.00	46.46 2.07 0.00	58.26 2.88 0.00	64.48 2.99 0.00	63.42 2.50 0.00	53.88 1.93 0.00	53.47 1.80 0.00	52.63 1.77 -0.78	46.59 1.60 -1.42
RAVENSWOOD_GT_1 23729	50.23 1.27 -0.46	42.34 1.50 -0.23	42.61 1.31 -0.85	30.58 1.10 -0.01	30.50 1.19 -0.12	36.73 1.37 -0.26	55.00 1.83 -0.39	57.73 1.96 -0.17	133.06 2.35 -71.85	68.31 2.56 -2.15	56.47 2.10 0.28	58.96 2.38 -1.16	80.52 3.27 -1.56	67.83 3.02 -0.10	58.75 2.54 0.22	46.43 1.93 0.06	46.33 2.00 0.06	58.09 2.72 0.01	64.28 2.79 0.00	63.14 2.34 0.11	53.63 1.77 0.09	53.25 1.66 0.09	52.51 1.65 -0.77	46.55 1.48 -1.51
RAVENSWOOD_GT_10 24258	50.03 1.18 -0.36	42.17 1.37 -0.19	42.49 1.20 -0.84	30.51 1.04 0.00	30.32 1.08 -0.04	36.59 1.28 -0.20	54.77 1.68 -0.30	57.40 1.78 -0.02	128.31 2.14 -67.31	67.76 2.38 -1.79	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.47 1.91 0.00	46.37 1.98 0.00	58.14 2.77 0.00	64.36 2.87 0.00	63.30 2.38 0.00	53.78 1.82 0.00	53.37 1.70 0.00	52.54 1.68 -0.78	46.52 1.53 -1.42
RAVENSWOOD_GT_11 24259	50.03 1.18 -0.36	42.17 1.37 -0.19	42.49 1.20 -0.84	30.51 1.04 0.00	30.32 1.08 -0.04	36.59 1.28 -0.20	54.77 1.68 -0.30	57.40 1.78 -0.02	128.31 2.14 -67.31	67.76 2.38 -1.79	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.47 1.91 0.00	46.37 1.98 0.00	58.14 2.77 0.00	64.36 2.87 0.00	63.30 2.38 0.00	53.78 1.82 0.00	53.37 1.70 0.00	52.54 1.68 -0.78	46.52 1.53 -1.42
RAVENSWOOD_GT_4 24252	50.10 1.17 -0.43	42.20 1.37 -0.22	42.49 1.20 -0.85	30.51 1.04 0.00	30.35 1.07 -0.09	36.63 1.28 -0.24	54.83 1.68 -0.37	57.48 1.76 -0.13	131.61 2.13 -70.63	68.00 2.35 -2.05	56.41 1.98 0.21	58.86 2.23 -1.21	80.46 3.20 -1.57	67.78 2.94 -0.12	58.74 2.47 0.17	46.43 1.92 0.05	46.35 2.00 0.05	58.18 2.81 0.00	64.40 2.92 0.00	63.25 2.42 0.09	53.75 1.86 0.07	53.34 1.73 0.07	52.55 1.70 -0.78	46.60 1.55 -1.49
RAVENSWOOD_GT_5 24254	50.10 1.17 -0.43	42.20 1.37 -0.22	42.49 1.20 -0.85	30.51 1.04 0.00	30.35 1.07 -0.09	36.63 1.28 -0.24	54.83 1.68 -0.37	57.48 1.76 -0.13	131.61 2.13 -70.63	68.00 2.35 -2.05	56.41 1.98 0.21	58.86 2.23 -1.21	80.46 3.20 -1.57	67.78 2.94 -0.12	58.74 2.47 0.17	46.43 1.92 0.05	46.35 2.00 0.05	58.18 2.81 0.00	64.40 2.92 0.00	63.25 2.42 0.09	53.75 1.86 0.07	53.34 1.73 0.07	52.55 1.70 -0.78	46.60 1.55 -1.49
RAVENSWOOD_GT_6 24253	50.10 1.17 -0.43	42.20 1.37 -0.22	42.49 1.20 -0.85	30.51 1.04 0.00	30.35 1.07 -0.09	36.63 1.28 -0.24	54.83 1.68 -0.37	57.48 1.76 -0.13	131.61 2.13 -70.63	68.00 2.35 -2.05	56.41 1.98 0.21	58.86 2.23 -1.21	80.46 3.20 -1.57	67.78 2.94 -0.12	58.74 2.47 0.17	46.43 1.92 0.05	46.35 2.00 0.05	58.18 2.81 0.00	64.40 2.92 0.00	63.25 2.42 0.09	53.75 1.86 0.07	53.34 1.73 0.07	52.55 1.70 -0.78	46.60 1.55 -1.49
RAVENSWOOD_GT_7 24255	50.10 1.17 -0.43	42.20 1.37 -0.22	42.49 1.20 -0.85	30.51 1.04 0.00	30.35 1.07 -0.09	36.63 1.28 -0.24	54.83 1.68 -0.37	57.48 1.76 -0.13	131.61 2.13 -70.63	68.00 2.35 -2.05	56.41 1.98 0.21	58.86 2.23 -1.21	80.46 3.20 -1.57	67.78 2.94 -0.12	58.74 2.47 0.17	46.43 1.92 0.05	46.35 2.00 0.05	58.18 2.81 0.00	64.40 2.92 0.00	63.25 2.42 0.09	53.75 1.86 0.07	53.34 1.73 0.07	52.55 1.70 -0.78	46.60 1.55 -1.49
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	50.03 1.18 -0.36	42.17 1.37 -0.19	42.49 1.20 -0.84	30.51 1.04 0.00	30.32 1.08 -0.04	36.59 1.28 -0.20	54.77 1.68 -0.30	57.40 1.78 -0.02	128.31 2.14 -67.31	67.76 2.38 -1.79	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.47 1.91 0.00	46.37 1.98 0.00	58.14 2.77 0.00	64.36 2.87 0.00	63.30 2.38 0.00	53.78 1.82 0.00	53.37 1.70 0.00	52.54 1.68 -0.78	46.52 1.53 -1.42
RAVENSWOOD_GT_9 24257	50.03 1.18 -0.36	42.17 1.37 -0.19	42.49 1.20 -0.84	30.51 1.04 0.00	30.32 1.08 -0.04	36.59 1.28 -0.20	54.77 1.68 -0.30	57.40 1.78 -0.02	128.31 2.14 -67.31	67.76 2.38 -1.79	56.62 1.98 0.00	59.00 2.23 -1.35	80.51 3.20 -1.62	67.84 2.94 -0.18	58.89 2.46 0.00	46.47 1.91 0.00	46.37 1.98 0.00	58.14 2.77 0.00	64.36 2.87 0.00	63.30 2.38 0.00	53.78 1.82 0.00	53.37 1.70 0.00	52.54 1.68 -0.78	46.52 1.53 -1.42



RAVENSWOOD___1 23533	49.97 1.25 -0.22	42.19 1.45 -0.13	42.52 1.25 -0.83	30.55 1.09 0.00	30.32 1.16 0.03	36.57 1.33 -0.13	54.76 1.79 -0.19	57.35 1.92 0.17	122.84 2.31 -61.67	67.45 2.49 -1.37	56.97 2.05 -0.27	59.25 2.29 -1.53	80.61 3.24 -1.68	67.95 2.99 -0.25	59.17 2.52 -0.22	46.52 1.90 -0.06	46.41 1.96 -0.06	58.08 2.70 -0.01	64.25 2.77 0.00	63.42 2.40 -0.11	53.91 1.88 -0.08	53.41 1.65 -0.09	52.54 1.67 -0.79	46.38 1.47 -1.34
RAVENSWOOD___2 23534	49.97 1.25 -0.22	42.19 1.45 -0.13	42.52 1.25 -0.83	30.55 1.09 0.00	30.32 1.16 0.03	36.57 1.33 -0.13	54.76 1.79 -0.19	57.35 1.92 0.17	122.83 2.30 -61.67	67.57 2.48 -1.50	56.66 2.02 0.00	58.97 2.20 -1.35	80.42 3.11 -1.62	67.77 2.88 -0.18	58.72 2.28 0.00	46.12 1.56 0.00	46.00 1.61 0.00	57.63 2.26 0.00	63.75 2.26 0.00	62.83 1.92 0.00	53.41 1.46 0.00	53.02 1.35 0.00	52.30 1.44 -0.78	46.26 1.27 -1.42
RAVENSWOOD___3 23535	50.02 1.18 -0.34	42.17 1.38 -0.18	42.49 1.20 -0.84	30.52 1.05 0.00	30.31 1.09 -0.04	36.58 1.28 -0.19	54.76 1.69 -0.29	57.38 1.78 0.00	127.71 2.13 -66.72	67.71 2.37 -1.76	56.63 1.98 0.00	59.01 2.24 -1.35	80.49 3.18 -1.62	67.83 2.94 -0.18	58.90 2.47 0.00	46.47 1.90 0.00	46.37 1.98 0.00	58.13 2.76 0.00	64.35 2.86 0.00	63.30 2.39 0.00	53.79 1.84 0.00	53.37 1.70 0.00	52.53 1.67 -0.78	46.52 1.53 -1.42
RAVENSWOOD___4 23820	49.97 1.25 -0.22	42.19 1.45 -0.13	42.52 1.25 -0.83	30.55 1.09 0.00	30.32 1.16 0.03	36.57 1.33 -0.13	54.76 1.79 -0.19	57.35 1.92 0.17	122.84 2.31 -61.67	67.45 2.49 -1.37	56.97 2.05 -0.27	59.25 2.29 -1.53	80.61 3.24 -1.68	67.95 2.99 -0.25	59.17 2.52 -0.22	46.52 1.90 -0.06	46.41 1.96 -0.06	58.08 2.70 -0.01	64.25 2.77 0.00	63.42 2.40 -0.11	53.91 1.88 -0.08	53.41 1.65 -0.09	52.54 1.67 -0.79	46.38 1.47 -1.34
RCPL_TRUST___DRP 24196	50.02 1.19 -0.34	42.17 1.38 -0.18	42.49 1.21 -0.84	30.51 1.05 0.00	30.31 1.09 -0.04	36.60 1.30 -0.19	54.78 1.71 -0.29	57.43 1.83 0.00	167.92 2.20 -106.86	68.85 2.45 -2.81	56.73 2.08 0.00	59.11 2.34 -1.35	80.66 3.35 -1.62	67.95 3.06 -0.18	59.00 2.57 0.00	46.54 1.98 0.00	46.44 2.05 0.00	58.23 2.86 0.00	64.44 2.96 0.00	63.38 2.47 0.00	53.83 1.87 0.00	53.42 1.75 0.00	52.57 1.71 -0.78	46.55 1.55 -1.42
RED___ROCHESTER 323720	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.17 -2.97	59.99 1.19 -3.20	62.92 1.04 -3.01	67.69 1.22 -2.88	58.74 1.55 -2.54	59.31 1.50 -2.39	81.08 1.97 -3.41	68.70 1.39 -2.60	59.91 1.30 -2.18	47.12 1.15 -1.41	46.84 1.08 -1.37	59.36 1.61 -2.38	65.96 1.59 -2.88	65.18 1.54 -2.72	55.53 1.34 -2.23	55.19 1.32 -2.21	53.44 1.23 -2.13	46.53 1.24 -1.72
REGAN___SOLAR 323812	50.61 2.33 0.22	42.43 1.94 0.12	41.80 1.91 0.55	30.87 1.40 0.00	30.57 1.41 0.02	36.71 1.73 0.12	55.41 2.82 0.19	58.79 3.19 0.00	62.24 3.38 0.00	67.04 3.45 0.00	57.48 2.84 0.00	57.15 2.60 0.88	78.24 3.61 1.05	67.57 2.98 0.12	59.22 2.79 0.00	46.88 2.32 0.00	46.82 2.43 0.00	58.55 3.18 0.00	65.01 3.52 0.00	64.32 3.41 0.00	54.80 2.84 0.00	54.45 2.77 0.00	52.06 2.49 0.51	44.72 2.08 0.93
RENSSELAER___COGEN 23796	47.20 -1.02 0.28	39.83 -0.64 0.15	39.12 -0.65 0.67	29.11 -0.36 0.00	28.83 -0.33 0.03	34.49 -0.47 0.15	51.52 -1.03 0.23	54.53 -1.07 0.00	57.92 -0.94 0.00	62.56 -1.03 0.00	53.65 -0.99 0.00	53.38 -0.96 1.08	73.15 -1.24 1.30	63.72 -0.85 0.14	55.63 -0.81 0.00	43.91 -0.66 0.00	43.79 -0.61 0.00	54.83 -0.55 0.00	60.51 -0.97 0.00	59.81 -1.10 0.00	51.04 -0.92 0.00	50.78 -0.90 0.00	48.52 -0.94 0.63	41.61 -0.82 1.14
REPUBLIC_115KV_BARTNBK 55605	52.43 4.27 0.34	43.92 3.50 0.18	43.18 3.57 0.83	32.37 2.90 0.00	32.20 3.05 0.03	38.69 3.77 0.19	57.67 5.17 0.29	61.18 5.58 0.00	64.85 5.98 0.00	69.94 6.35 0.00	60.01 5.37 0.00	59.00 4.91 1.33	81.20 7.11 1.60	70.44 5.90 0.18	61.80 5.36 0.00	48.95 4.39 0.00	48.86 4.47 0.00	61.48 6.11 0.00	68.28 6.80 0.00	67.33 6.42 0.00	57.26 5.31 0.00	56.39 4.72 0.00	53.64 4.33 0.77	45.77 3.60 1.41
REVERE_CPPR_DRP 24186	52.26 2.03 -1.73	43.03 1.54 -0.88	42.81 1.53 -0.84	30.83 1.12 -0.24	30.55 1.15 -0.21	37.00 1.52 -0.37	57.63 2.59 -2.25	61.09 2.80 -2.69	64.12 2.75 -2.51	68.54 2.49 -2.45	58.81 2.05 -2.12	59.34 2.04 -1.89	81.30 2.91 -2.69	69.18 2.42 -2.05	60.30 2.15 -1.72	47.32 1.61 -1.15	47.50 1.94 -1.17	60.16 2.64 -2.15	67.19 3.06 -2.65	66.51 3.09 -2.51	56.52 2.52 -2.05	56.03 2.33 -2.03	54.05 2.02 -1.96	46.72 1.57 -1.58
REYNLDPA_13_KV_LD 356490	49.69 1.20 0.00	41.46 0.86 0.00	41.25 0.81 0.00	29.95 0.48 0.00	29.59 0.40 0.00	35.64 0.53 0.00	53.62 0.84 0.00	56.54 0.94 0.00	59.76 0.90 0.00	64.55 0.96 0.00	55.56 0.92 0.00	56.25 0.83 0.00	76.67 0.98 0.00	65.47 0.75 0.00	57.05 0.61 0.00	45.03 0.47 0.00	44.75 0.36 0.00	55.42 0.05 0.00	61.96 0.47 0.00	61.80 0.88 0.00	52.70 0.75 0.00	52.56 0.88 0.00	51.06 0.98 0.00	44.42 0.85 0.00
REYNOLDS_115KV_TB3 80639	47.62 -0.54 0.33	40.19 -0.24 0.18	39.35 -0.28 0.82	29.40 -0.07 0.00	29.11 -0.05 0.03	34.82 -0.11 0.19	52.04 -0.46 0.28	55.14 -0.46 0.00	58.56 -0.31 0.00	63.27 -0.32 0.00	54.25 -0.39 0.00	53.74 -0.37 1.31	73.71 -0.41 1.57	64.40 -0.15 0.17	56.25 -0.19 0.00	44.41 -0.15 0.00	44.28 -0.11 0.00	55.47 0.10 0.00	61.19 -0.30 0.00	60.48 -0.43 0.00	51.60 -0.35 0.00	51.34 -0.34 0.00	48.93 -0.40 0.76	41.85 -0.34 1.38
RIVERBAY____ 323610	51.49 2.65 -0.34	43.41 2.62 -0.18	43.70 2.42 -0.84	31.38 1.91 0.00	31.15 1.91 -0.04	37.64 2.34 -0.19	56.54 3.46 -0.29	59.20 3.60 0.00	129.62 4.04 -66.72	69.46 4.11 -1.76	58.04 3.39 0.00	60.54 3.76 -1.35	82.43 5.12 -1.62	69.48 4.59 -0.18	60.56 4.13 0.00	47.77 3.21 0.00	47.70 3.31 0.00	59.66 4.29 0.00	65.80 4.31 0.00	64.79 3.88 0.00	55.04 3.09 0.00	54.62 2.95 0.00	53.76 2.90 -0.78	47.57 2.58 -1.42
RIVERSDE_115KV_TB3 55908	47.50 -0.68 0.31	40.09 -0.36 0.16	39.31 -0.39 0.75	29.31 -0.15 0.00	29.03 -0.13 0.03	34.73 -0.21 0.17	51.91 -0.61 0.26	54.99 -0.61 0.00	58.41 -0.45 0.00	63.11 -0.48 0.00	54.12 -0.52 0.00	53.72 -0.50 1.20	73.67 -0.58 1.44	64.26 -0.30 0.16	56.12 -0.31 0.00	44.30 -0.27 0.00	44.18 -0.21 0.00	55.33 -0.05 0.00	61.06 -0.43 0.00	60.33 -0.58 0.00	51.48 -0.48 0.00	51.20 -0.48 0.00	48.85 -0.54 0.69	41.83 -0.47 1.27
ROARING___BROOK_WT_PWR 323790	48.64 0.15 0.00	40.70 0.09 0.00	40.53 0.08 0.00	29.51 0.04 0.00	29.22 0.03 0.00	35.14 0.03 0.00	52.83 0.05 0.00	55.63 0.03 0.00	58.81 -0.05 0.00	63.57 -0.02 0.00	54.69 0.04 0.00	55.46 0.03 0.00	75.72 0.03 0.00	64.73 0.01 0.00	56.43 0.00 0.00	44.55 -0.02 0.00	44.30 -0.09 0.00	55.12 -0.25 0.00	61.29 -0.20 0.00	60.78 -0.13 0.00	51.80 -0.16 0.00	51.52 -0.15 0.00	49.90 -0.18 0.00	43.32 -0.25 0.00



ROCHESRG_115KV_T4 355643	51.68 0.93 -2.25	42.04 0.28 -1.14	41.79 0.25 -1.10	29.75 -0.03 -0.31	29.47 0.01 -0.27	35.91 0.33 -0.47	56.28 0.60 -2.90	59.31 0.57 -3.14	62.20 0.39 -2.96	66.92 0.51 -2.82	58.02 0.88 -2.49	58.57 0.81 -2.34	80.09 1.06 -3.34	67.82 0.57 -2.54	59.13 0.56 -2.13	46.49 0.54 -1.38	46.17 0.44 -1.34	58.50 0.79 -2.34	65.03 0.71 -2.83	64.28 0.69 -2.67	54.77 0.62 -2.19	54.43 0.59 -2.16	52.75 0.58 -2.09	45.98 0.72 -1.69
ROCHESTER_9_IC 23652	52.03 1.23 -2.31	42.29 0.51 -1.17	42.05 0.48 -1.12	29.92 0.13 -0.32	29.64 0.17 -0.27	36.13 0.53 -0.49	56.68 0.92 -2.97	59.72 0.92 -3.20	62.65 0.77 -3.01	67.37 0.90 -2.88	58.45 1.26 -2.54	59.02 1.20 -2.39	80.67 1.57 -3.41	68.33 1.02 -2.60	59.60 0.98 -2.18	46.86 0.89 -1.41	46.55 0.79 -1.37	59.00 1.25 -2.38	65.58 1.21 -2.88	64.82 1.18 -2.72	55.21 1.02 -2.23	54.86 0.98 -2.21	53.15 0.94 -2.13	46.31 1.02 -1.72
ROCKVIEW_13_KV_LD 356306	50.06 1.23 -0.34	42.18 1.39 -0.18	42.52 1.23 -0.84	30.52 1.05 0.00	30.31 1.08 -0.04	36.59 1.29 -0.19	54.81 1.74 -0.29	57.38 1.78 0.00	64.47 2.14 -3.47	66.07 2.39 -0.09	56.59 1.95 0.00	58.97 2.20 -1.35	80.48 3.16 -1.62	67.81 2.92 -0.18	58.86 2.43 0.00	46.46 1.90 0.00	46.41 2.02 0.00	58.17 2.80 0.00	64.42 2.94 0.00	63.44 2.53 0.00	53.85 1.90 0.00	53.46 1.78 0.00	52.58 1.72 -0.78	46.55 1.56 -1.42
ROME____115KV_TB2 80656	52.26 2.03 -1.73	43.03 1.54 -0.88	42.81 1.53 -0.84	30.83 1.12 -0.24	30.55 1.15 -0.21	37.00 1.52 -0.37	57.63 2.59 -2.25	61.09 2.80 -2.69	64.12 2.75 -2.51	68.54 2.49 -2.45	58.81 2.05 -2.12	59.34 2.04 -1.89	81.30 2.91 -2.69	69.18 2.42 -2.05	60.30 2.15 -1.72	47.32 1.61 -1.15	47.50 1.94 -1.17	60.16 2.64 -2.15	67.19 3.06 -2.65	66.51 3.09 -2.51	56.52 2.52 -2.05	56.03 2.33 -2.03	54.05 2.02 -1.96	46.72 1.57 -1.58
ROSETON___1 23587	49.20 0.38 -0.32	41.42 0.64 -0.17	41.77 0.55 -0.78	30.01 0.54 0.00	29.78 0.55 -0.03	35.91 0.62 -0.18	53.80 0.75 -0.27	56.36 0.76 0.00	59.83 0.97 0.00	64.68 1.09 0.00	55.45 0.81 0.00	57.65 0.97 -1.26	78.60 1.40 -1.51	66.30 1.43 -0.17	57.56 1.12 0.00	45.43 0.87 0.00	45.35 0.96 0.00	56.87 1.49 0.00	62.93 1.44 0.00	61.99 1.08 0.00	52.79 0.84 0.00	52.46 0.79 0.00	51.59 0.78 -0.72	45.61 0.72 -1.32
ROSETON___2 23588	49.20 0.38 -0.32	41.42 0.64 -0.17	41.77 0.55 -0.78	30.01 0.54 0.00	29.78 0.55 -0.03	35.91 0.62 -0.18	53.80 0.75 -0.27	56.36 0.76 0.00	59.83 0.97 0.00	64.68 1.09 0.00	55.45 0.81 0.00	57.65 0.97 -1.26	78.60 1.40 -1.51	66.30 1.43 -0.17	57.56 1.12 0.00	45.43 0.87 0.00	45.35 0.96 0.00	56.87 1.49 0.00	62.93 1.44 0.00	61.99 1.08 0.00	52.79 0.84 0.00	52.46 0.79 0.00	51.59 0.78 -0.72	45.61 0.72 -1.32
ROTRDAM_115KV_TB3 80664	48.71 0.47 0.26	41.01 0.53 0.14	40.36 0.55 0.63	29.94 0.47 0.00	29.65 0.49 0.03	35.50 0.54 0.14	53.26 0.70 0.22	56.36 0.76 0.00	59.73 0.87 0.00	64.53 0.94 0.00	55.39 0.75 0.00	55.17 0.76 1.01	75.58 1.10 1.21	65.60 1.02 0.13	57.31 0.87 0.00	45.26 0.70 0.00	45.13 0.74 0.00	56.51 1.13 0.00	62.49 1.01 0.00	61.79 0.88 0.00	52.71 0.75 0.00	52.41 0.73 0.00	50.15 0.65 0.58	43.06 0.56 1.07
RUSSELL___1 23602	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.16 -2.97	59.99 1.19 -3.20	62.91 1.03 -3.01	67.68 1.21 -2.88	58.74 1.55 -2.54	59.32 1.50 -2.39	81.07 1.96 -3.41	68.70 1.39 -2.60	59.93 1.32 -2.18	47.13 1.15 -1.41	46.84 1.08 -1.37	59.35 1.60 -2.38	65.95 1.58 -2.88	65.19 1.55 -2.72	55.54 1.35 -2.23	55.17 1.30 -2.21	53.43 1.22 -2.13	46.53 1.24 -1.72
RUSSELL___2 23532	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.16 -2.97	59.99 1.19 -3.20	62.91 1.03 -3.01	67.68 1.21 -2.88	58.74 1.55 -2.54	59.32 1.50 -2.39	81.07 1.96 -3.41	68.70 1.39 -2.60	59.93 1.32 -2.18	47.13 1.15 -1.41	46.84 1.08 -1.37	59.35 1.60 -2.38	65.95 1.58 -2.88	65.19 1.55 -2.72	55.54 1.35 -2.23	55.17 1.30 -2.21	53.43 1.22 -2.13	46.53 1.24 -1.72
RUSSELL___3 23549	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.16 -2.97	59.99 1.19 -3.20	62.91 1.03 -3.01	67.68 1.21 -2.88	58.74 1.55 -2.54	59.32 1.50 -2.39	81.07 1.96 -3.41	68.70 1.39 -2.60	59.93 1.32 -2.18	47.13 1.15 -1.41	46.84 1.08 -1.37	59.35 1.60 -2.38	65.95 1.58 -2.88	65.19 1.55 -2.72	55.54 1.35 -2.23	55.17 1.30 -2.21	53.43 1.22 -2.13	46.53 1.24 -1.72
RUSSELL___4 23556	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.16 -2.97	59.99 1.19 -3.20	62.91 1.03 -3.01	67.68 1.21 -2.88	58.74 1.55 -2.54	59.32 1.50 -2.39	81.07 1.96 -3.41	68.70 1.39 -2.60	59.93 1.32 -2.18	47.13 1.15 -1.41	46.84 1.08 -1.37	59.35 1.60 -2.38	65.95 1.58 -2.88	65.19 1.55 -2.72	55.54 1.35 -2.23	55.17 1.30 -2.21	53.43 1.22 -2.13	46.53 1.24 -1.72
RUSSELL___STATION 23914	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.16 -2.97	59.99 1.19 -3.20	62.91 1.03 -3.01	67.68 1.21 -2.88	58.74 1.55 -2.54	59.32 1.50 -2.39	81.07 1.96 -3.41	68.70 1.39 -2.60	59.93 1.32 -2.18	47.13 1.15 -1.41	46.84 1.08 -1.37	59.35 1.60 -2.38	65.95 1.58 -2.88	65.19 1.55 -2.72	55.54 1.35 -2.23	55.17 1.30 -2.21	53.43 1.22 -2.13	46.53 1.24 -1.72
S SALMON___HYD 24043	54.63 0.79 -5.35	43.83 0.51 -2.71	43.50 0.46 -2.60	30.51 0.30 -0.74	30.16 0.33 -0.64	36.74 0.51 -1.13	60.78 1.05 -6.95	64.99 1.06 -8.33	67.48 0.80 -7.82	71.61 0.50 -7.52	61.41 0.28 -6.49	61.27 0.04 -5.80	83.84 -0.12 -8.27	70.68 -0.33 -6.30	61.61 -0.11 -5.29	48.03 -0.07 -3.54	48.02 0.05 -3.58	62.12 0.49 -6.25	69.95 0.89 -7.57	69.19 1.12 -7.16	58.65 0.83 -5.86	58.46 1.00 -5.79	56.35 0.68 -5.59	48.51 0.42 -4.52
S.PERRY__115KV_TB1 80734	54.32 3.07 -2.76	43.86 1.85 -1.40	43.53 1.74 -1.34	30.86 1.01 -0.38	30.63 1.11 -0.33	37.48 1.79 -0.58	59.44 3.09 -3.57	62.97 3.28 -4.10	65.66 2.94 -3.86	70.24 2.96 -3.69	59.95 2.09 -3.22	60.32 1.95 -2.95	82.78 2.88 -4.20	70.13 2.22 -3.20	61.13 2.01 -2.68	48.13 1.80 -1.77	47.93 1.79 -1.75	61.54 3.11 -3.05	68.75 3.57 -3.69	67.91 3.50 -3.49	57.81 3.00 -2.86	57.24 2.75 -2.82	55.48 2.67 -2.73	48.27 2.50 -2.21
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	52.68 1.75 -2.43	42.35 0.51 -1.23	42.12 0.49 -1.18	29.72 -0.09 -0.34	29.42 -0.06 -0.29	36.10 0.48 -0.51	56.43 0.51 -3.14	59.35 0.23 -3.52	62.11 -0.06 -3.31	66.82 0.07 -3.16	58.33 0.92 -2.77	58.72 0.75 -2.55	80.35 1.03 -3.63	67.64 0.16 -2.77	58.96 0.21 -2.32	46.39 0.31 -1.52	45.74 -0.16 -1.51	57.82 -0.18 -2.62	64.20 -0.46 -3.17	63.50 -0.40 -3.00	54.28 -0.12 -2.45	54.13 0.03 -2.42	52.74 0.31 -2.34	46.40 0.94 -1.89



SAWYER___23_KV_LOAD 55526	52.68 1.75 -2.43	42.35 0.51 -1.23	42.12 0.49 -1.18	29.72 -0.09 -0.34	29.42 -0.06 -0.29	36.10 0.48 -0.51	56.43 0.51 -3.14	59.35 0.23 -3.52	62.11 -0.06 -3.31	66.82 0.07 -3.16	58.33 0.92 -2.77	58.72 0.75 -2.55	80.35 1.03 -3.63	67.64 0.16 -2.77	58.96 0.21 -2.32	46.39 0.31 -1.52	45.74 -0.16 -1.51	57.82 -0.18 -2.62	64.20 -0.46 -3.17	63.50 -0.40 -3.00	54.28 -0.12 -2.45	54.13 0.03 -2.42	52.74 0.31 -2.34	46.40 0.94 -1.89
SELKIRK___I 23801	46.95 -1.38 0.17	39.58 -0.93 0.09	39.14 -0.89 0.41	28.91 -0.56 0.00	28.65 -0.53 0.02	34.28 -0.73 0.09	51.29 -1.35 0.14	54.14 -1.45 0.00	57.41 -1.45 0.00	62.03 -1.56 0.00	53.21 -1.43 0.00	53.31 -1.45 0.66	72.95 -1.95 0.79	63.16 -1.46 0.09	55.10 -1.34 0.00	43.51 -1.05 0.00	43.41 -0.98 0.00	54.35 -1.02 0.00	59.98 -1.51 0.00	59.32 -1.60 0.00	50.65 -1.30 0.00	50.43 -1.25 0.00	48.41 -1.29 0.39	41.75 -1.12 0.71
SELKIRK___II 23799	47.25 -1.04 0.20	39.85 -0.65 0.11	39.32 -0.64 0.49	29.11 -0.36 0.00	28.83 -0.34 0.02	34.50 -0.50 0.11	51.61 -1.00 0.17	54.54 -1.06 0.00	57.90 -0.96 0.00	62.56 -1.04 0.00	53.65 -1.00 0.00	53.68 -0.96 0.78	73.50 -1.25 0.94	63.71 -0.90 0.10	55.57 -0.87 0.00	43.86 -0.70 0.00	43.73 -0.66 0.00	54.72 -0.64 0.00	60.41 -1.08 0.00	59.74 -1.17 0.00	51.03 -0.93 0.00	50.77 -0.90 0.00	48.71 -0.92 0.45	41.94 -0.80 0.83
SENECA OSWGO___HYD 24041	51.65 -0.28 -3.44	41.99 -0.36 -1.74	41.74 -0.38 -1.67	29.64 -0.30 -0.48	29.32 -0.28 -0.41	35.60 -0.23 -0.72	57.08 -0.17 -4.47	60.81 -0.14 -5.35	63.75 -0.12 -5.01	68.17 -0.28 -4.86	58.62 -0.21 -4.19	58.92 -0.24 -3.74	80.57 -0.46 -5.33	68.26 -0.51 -4.06	59.47 -0.37 -3.40	46.62 -0.22 -2.28	46.55 -0.16 -2.32	59.46 0.06 -4.03	66.33 -0.02 -4.87	65.44 -0.07 -4.60	55.67 -0.06 -3.77	55.28 -0.11 -3.72	53.49 -0.19 -3.59	46.28 -0.19 -2.91
SENECA___115KV_TB3 355854	53.10 2.14 -2.47	42.69 0.82 -1.25	42.43 0.79 -1.20	29.96 0.15 -0.34	29.67 0.18 -0.29	36.39 0.76 -0.52	57.00 1.03 -3.19	60.06 0.85 -3.61	62.83 0.56 -3.40	67.58 0.74 -2.84	58.89 1.41 -2.84	59.32 1.28 -2.61	81.22 1.81 -3.72	68.33 0.79 -2.83	59.60 0.79 -2.38	46.89 0.77 -1.56	46.25 0.32 -1.54	58.56 0.50 -2.69	65.07 0.34 -3.25	64.28 0.29 -3.07	54.94 0.47 -2.51	54.72 0.57 -2.49	53.28 0.80 -2.40	46.81 1.30 -1.94
SENECA___ENERGY 23797	54.81 1.08 -5.25	43.86 0.59 -2.66	43.52 0.52 -2.55	30.56 0.36 -0.73	30.25 0.43 -0.62	36.93 0.71 -1.10	60.95 1.34 -6.83	65.91 1.90 -8.40	68.61 1.85 -7.90	73.12 1.96 -7.57	62.60 1.44 -6.51	62.46 1.26 -5.78	85.24 1.31 -8.24	72.00 1.02 -6.27	62.79 1.10 -5.26	49.20 1.10 -3.54	48.93 0.94 -3.60	63.55 1.89 -6.29	71.21 2.12 -7.61	69.92 1.82 -7.19	59.50 1.66 -5.88	58.93 1.44 -5.82	56.97 1.27 -5.62	49.21 1.10 -4.54
SHOEMAKER___GT 23640	49.29 0.51 -0.29	41.43 0.66 -0.15	41.73 0.57 -0.71	30.00 0.53 0.00	29.77 0.54 -0.03	35.89 0.62 -0.16	53.89 0.86 -0.24	56.50 0.90 0.00	59.90 1.03 0.00	64.78 1.18 0.00	55.55 0.91 0.00	57.59 1.03 -1.14	78.56 1.51 -1.37	66.34 1.47 -0.15	57.62 1.19 0.00	45.43 0.87 0.00	45.39 1.00 0.00	56.95 1.58 0.00	63.14 1.65 0.00	62.22 1.31 0.00	52.97 1.02 0.00	52.61 0.94 0.00	51.64 0.91 -0.65	45.55 0.80 -1.18
SHOEMAKR_138KV_BK 111 55601	49.27 0.49 -0.29	41.42 0.66 -0.15	41.71 0.57 -0.70	29.99 0.52 0.00	29.76 0.54 -0.03	35.89 0.62 -0.16	53.87 0.85 -0.24	56.48 0.88 0.00	59.90 1.03 0.00	64.76 1.17 0.00	55.55 0.90 0.00	57.57 1.03 -1.12	78.56 1.52 -1.35	66.34 1.48 -0.15	57.62 1.18 0.00	45.44 0.88 0.00	45.40 1.00 0.00	56.97 1.60 0.00	63.13 1.65 0.00	62.21 1.30 0.00	52.96 1.00 0.00	52.59 0.91 0.00	51.62 0.89 -0.64	45.52 0.79 -1.17
SHOREHAM_IC_1 23715	47.84 -0.55 0.10	41.28 0.49 -0.18	41.62 0.67 -0.51	30.09 0.63 0.00	29.78 0.55 -0.04	36.07 0.77 -0.19	53.38 0.31 -0.29	53.99 1.90 1.15	52.78 -0.21 5.87	53.41 -0.01 10.17	49.45 0.15 5.34	47.01 0.31 8.73	65.16 0.58 11.12	51.08 1.00 14.63	46.87 0.84 10.41	47.56 0.86 -2.13	48.26 1.04 -2.83	46.56 1.43 10.24	61.24 1.43 1.67	47.55 0.90 14.27	47.90 0.56 4.61	31.88 0.32 20.11	47.14 0.32 3.27	40.34 0.96 4.19
SHOREHAM_IC_2 23716	47.84 -0.55 0.10	41.28 0.49 -0.18	41.65 0.70 -0.51	30.13 0.67 0.00	29.77 0.55 -0.04	36.07 0.77 -0.19	53.40 0.33 -0.29	54.00 -0.45 1.15	52.82 -0.17 5.87	53.48 0.06 10.17	49.44 0.14 5.34	47.07 0.38 8.73	65.20 0.62 11.12	51.06 0.97 14.63	46.88 0.86 10.41	47.56 0.86 -2.13	48.24 1.02 -2.83	46.59 1.46 10.24	61.32 1.51 1.67	47.56 0.91 14.27	47.91 0.57 4.61	31.91 0.35 20.11	47.14 0.33 3.27	40.32 0.94 4.19
SISSONVILLE____ 23735	51.30 1.98 -0.82	42.50 1.48 -0.42	42.23 1.39 -0.40	30.48 0.90 -0.11	30.09 0.80 -0.10	36.36 1.09 -0.17	55.67 1.82 -1.07	58.78 1.90 -1.27	61.70 1.64 -1.19	66.18 1.43 -1.15	56.81 1.17 -1.00	57.27 0.96 -0.89	78.11 1.15 -1.27	66.53 0.85 -0.96	57.90 0.66 -0.81	45.61 0.50 -0.54	45.20 0.26 -0.55	56.26 -0.08 -0.97	63.24 0.58 -1.18	63.24 1.21 -1.12	53.97 1.10 -0.91	54.13 1.55 -0.90	52.67 1.72 -0.87	45.67 1.40 -0.71
SITHE_IND_GS1 24169	14.58 -1.26 32.65	22.89 -1.14 16.57	23.41 -1.15 15.88	24.09 -0.86 4.52	24.47 -0.83 3.89	27.30 -0.94 6.87	9.00 -1.36 42.42	3.37 -1.44 50.79	9.47 -1.56 47.83	16.28 -1.69 45.62	13.81 -1.42 39.41	18.62 -1.45 35.35	23.25 -2.02 50.42	24.55 -1.81 38.36	22.70 -1.54 32.20	21.88 -1.17 21.51	21.51 -1.15 21.73	16.08 -1.29 38.00	13.92 -1.50 46.06	15.86 -1.54 43.52	15.04 -1.29 35.63	15.15 -1.31 35.21	14.77 -1.30 34.01	14.94 -1.13 27.50
SITHE_IND_GS2 24170	14.58 -1.26 32.65	22.89 -1.14 16.57	23.41 -1.15 15.88	24.09 -0.86 4.52	24.47 -0.83 3.89	27.30 -0.94 6.87	9.00 -1.36 42.42	3.37 -1.44 50.79	9.47 -1.56 47.83	16.28 -1.69 45.62	13.81 -1.42 39.41	18.62 -1.45 35.35	23.25 -2.02 50.42	24.55 -1.81 38.36	22.70 -1.54 32.20	21.88 -1.17 21.51	21.51 -1.15 21.73	16.08 -1.29 38.00	13.92 -1.50 46.06	15.86 -1.54 43.52	15.04 -1.29 35.63	15.15 -1.31 35.21	14.77 -1.30 34.01	14.94 -1.13 27.50
SITHE_IND_GS3 24171	14.58 -1.26 32.65	22.89 -1.14 16.57	23.41 -1.15 15.88	24.09 -0.86 4.52	24.47 -0.83 3.89	27.30 -0.94 6.87	9.00 -1.36 42.42	3.37 -1.44 50.79	9.47 -1.56 47.83	16.28 -1.69 45.62	13.81 -1.42 39.41	18.62 -1.45 35.35	23.25 -2.02 50.42	24.55 -1.81 38.36	22.70 -1.54 32.20	21.88 -1.17 21.51	21.51 -1.15 21.73	16.08 -1.29 38.00	13.92 -1.50 46.06	15.86 -1.54 43.52	15.04 -1.29 35.63	15.15 -1.31 35.21	14.77 -1.30 34.01	14.94 -1.13 27.50
SITHE_IND_GS4 24172	14.58 -1.26 32.65	22.89 -1.14 16.57	23.41 -1.15 15.88	24.09 -0.86 4.52	24.47 -0.83 3.89	27.30 -0.94 6.87	9.00 -1.36 42.42	3.37 -1.44 50.79	9.47 -1.56 47.83	16.28 -1.69 45.62	13.81 -1.42 39.41	18.62 -1.45 35.35	23.25 -2.02 50.42	24.55 -1.81 38.36	22.70 -1.54 32.20	21.88 -1.17 21.51	21.51 -1.15 21.73	16.08 -1.29 38.00	13.92 -1.50 46.06	15.86 -1.54 43.52	15.04 -1.29 35.63	15.15 -1.31 35.21	14.77 -1.30 34.01	14.94 -1.13 27.50



SITHE___BATAVIA 24024	53.73 2.85 -2.39	43.38 1.56 -1.21	43.11 1.50 -1.16	30.50 0.70 -0.33	30.23 0.75 -0.28	37.08 1.47 -0.50	57.91 2.05 -3.08	61.16 2.17 -3.39	63.97 1.91 -3.20	68.72 2.07 -3.05	59.61 2.28 -2.68	60.16 2.24 -2.50	82.25 2.99 -3.56	69.10 1.68 -2.71	60.27 1.56 -2.28	47.48 1.43 -1.48	47.20 1.36 -1.45	59.73 1.84 -2.53	66.79 2.25 -3.06	66.16 2.36 -2.89	56.39 2.08 -2.36	56.06 2.05 -2.34	54.38 2.04 -2.26	47.64 2.24 -1.82
SITHE___INDEPEND 23800	14.58 -1.26 32.65	22.89 -1.14 16.57	23.41 -1.15 15.88	24.09 -0.85 4.52	24.47 -0.83 3.89	27.30 -0.94 6.87	9.00 -1.36 42.42	3.36 -1.45 50.79	9.47 -1.56 47.83	16.27 -1.70 45.62	13.81 -1.42 39.41	18.62 -1.45 35.35	23.25 -2.02 50.42	24.56 -1.80 38.36	22.70 -1.54 32.20	21.89 -1.16 21.51	21.51 -1.15 21.73	16.08 -1.29 38.00	13.92 -1.50 46.06	15.86 -1.54 43.52	15.03 -1.29 35.63	15.15 -1.31 35.21	14.77 -1.30 34.01	14.94 -1.13 27.50
SITHE___MASSENA 23902	49.86 1.36 0.00	41.59 0.98 0.00	41.36 0.92 0.00	30.03 0.56 0.00	29.67 0.47 0.00	35.75 0.64 0.00	53.87 1.09 0.00	56.75 1.15 0.00	59.89 1.03 0.00	64.60 1.01 0.00	55.58 0.94 0.00	56.25 0.83 0.00	76.65 0.96 0.00	65.43 0.72 0.00	57.00 0.56 0.00	44.99 0.43 0.00	44.66 0.27 0.00	55.34 -0.03 0.00	61.97 0.49 0.00	61.88 0.97 0.00	52.77 0.82 0.00	52.70 1.03 0.00	51.21 1.13 0.00	44.51 0.94 0.00
SITHE___OGDNSBRG 24021	51.01 2.52 0.00	42.56 1.95 0.00	42.30 1.86 0.00	30.68 1.21 0.00	30.32 1.12 0.00	36.61 1.50 0.00	55.33 2.55 0.00	58.24 2.65 0.00	61.03 2.17 0.00	65.37 1.79 0.00	56.05 1.41 0.00	56.59 1.17 0.00	77.16 1.47 0.00	65.73 1.02 0.00	57.21 0.78 0.00	45.26 0.70 0.00	44.88 0.49 0.00	55.71 0.34 0.00	63.15 1.67 0.00	63.38 2.47 0.00	54.06 2.11 0.00	54.01 2.34 0.00	52.44 2.36 0.00	45.53 1.96 0.00
SITHE___STERLING 23777	51.94 1.48 -1.96	42.73 1.13 -1.00	42.50 1.11 -0.95	30.54 0.80 -0.27	30.27 0.84 -0.23	36.65 1.12 -0.41	57.28 1.95 -2.55	60.79 2.15 -3.05	63.83 2.13 -2.84	68.31 1.95 -2.77	58.66 1.62 -2.40	59.20 1.64 -2.13	81.07 2.34 -3.05	68.94 1.91 -2.32	60.05 1.67 -1.95	47.12 1.25 -1.30	47.26 1.54 -1.33	59.83 2.01 -2.44	66.76 2.26 -3.02	66.04 2.27 -2.85	56.15 1.86 -2.34	55.68 1.70 -2.31	53.78 1.47 -2.23	46.52 1.15 -1.80
SLEIGHT__34_KV_TB1 80719	52.03 0.50 -3.03	42.18 0.03 -1.54	41.92 0.00 -1.48	29.75 -0.14 -0.42	29.50 -0.05 -0.36	35.96 0.21 -0.64	57.20 0.49 -3.93	60.66 0.51 -4.55	63.51 0.37 -4.28	68.16 0.47 -4.09	58.86 0.66 -3.56	59.33 0.67 -3.24	81.08 0.77 -4.62	68.58 0.35 -3.51	59.86 0.47 -2.95	46.90 0.39 -1.95	46.62 0.28 -1.95	59.67 0.91 -3.39	66.47 0.87 -4.11	65.62 0.83 -3.88	55.83 0.70 -3.18	55.39 0.58 -3.14	53.58 0.46 -3.03	46.50 0.48 -2.45
SMITHTWN_69_KV_BK 1 55830	48.67 0.27 0.10	41.95 1.16 -0.18	42.32 1.36 -0.52	30.58 1.11 0.00	30.21 0.98 -0.04	36.59 1.29 -0.19	54.19 1.12 -0.29	54.85 0.40 1.14	53.75 0.69 5.80	54.44 0.94 10.09	50.25 0.87 5.26	47.98 1.17 8.62	66.47 1.80 11.03	52.23 1.96 14.45	47.79 1.61 10.25	48.28 1.48 -2.24	48.97 1.64 -2.95	47.59 2.19 9.96	62.74 2.32 1.06	48.70 1.70 13.91	48.82 1.24 4.37	32.82 1.02 19.87	47.91 1.03 3.21	41.11 1.56 4.02
SOUTH CAIRO___GT 23612	48.46 0.07 0.11	40.72 0.18 0.06	40.41 0.24 0.27	29.67 0.20 0.00	29.42 0.24 0.01	35.33 0.28 0.06	53.03 0.34 0.09	56.16 0.56 0.00	59.62 0.76 0.00	64.39 0.80 0.00	55.23 0.59 0.00	55.68 0.69 0.44	75.99 0.82 0.52	65.42 0.76 0.06	57.06 0.63 0.00	45.17 0.61 0.00	45.07 0.68 0.00	56.52 1.15 0.00	62.42 0.93 0.00	61.84 0.93 0.00	52.76 0.81 0.00	52.38 0.71 0.00	50.27 0.47 0.27	43.39 0.32 0.50
SOUTH HAMPTN___IC 23720	48.36 -0.02 0.11	41.73 0.94 -0.18	42.16 1.21 -0.50	30.55 1.08 0.00	30.27 1.04 -0.04	36.69 1.39 -0.19	54.33 1.26 -0.29	54.93 0.48 1.15	53.83 0.86 5.89	54.65 1.25 10.19	50.57 1.29 5.37	48.09 1.44 8.77	66.75 2.21 11.15	52.39 2.36 14.69	48.01 2.04 10.46	48.47 1.81 -2.10	49.13 1.94 -2.80	47.57 2.53 10.33	62.26 2.65 1.87	48.61 2.08 14.38	48.80 1.54 4.70	32.75 1.26 20.18	47.99 1.20 3.29	41.01 1.69 4.25
SOUTHDOW_115KV_TB1 355954	54.01 3.01 -2.51	43.41 1.52 -1.27	43.16 1.49 -1.22	30.52 0.70 -0.35	30.27 0.78 -0.30	37.09 1.45 -0.53	58.98 2.95 -3.25	62.68 3.39 -3.69	65.27 2.93 -3.48	70.20 3.29 -3.32	61.15 3.60 -2.90	61.71 3.63 -2.66	84.22 4.74 -3.79	70.70 3.10 -2.88	61.80 2.95 -2.42	48.72 2.56 -1.59	48.04 2.07 -1.58	60.60 2.49 -2.74	67.31 2.51 -3.31	66.22 2.18 -3.13	56.65 2.14 -2.56	56.26 2.06 -2.53	54.72 2.20 -2.45	47.84 2.30 -1.98
SOUTHOLD_69_KV_BK 2 55809	48.69 0.30 0.11	42.06 1.27 -0.18	42.66 1.71 -0.50	31.07 1.60 0.00	30.81 1.58 -0.04	37.38 2.08 -0.19	55.40 2.33 -0.29	55.96 1.51 1.15	55.06 2.09 5.89	56.11 2.71 10.19	51.81 2.53 5.37	49.38 2.72 8.76	68.43 3.89 11.15	53.76 3.73 14.68	49.24 3.27 10.46	49.47 2.81 -2.10	50.10 2.91 -2.80	48.84 3.80 10.33	63.70 4.07 1.86	50.00 3.46 14.38	49.94 2.67 4.69	33.87 2.38 20.18	48.98 2.19 3.29	41.80 2.48 4.25
SOUTHOLD___IC 23719	48.69 0.30 0.11	42.06 1.27 -0.18	42.63 1.68 -0.50	31.03 1.56 0.00	30.81 1.58 -0.04	37.38 2.08 -0.19	55.38 2.31 -0.29	55.94 1.49 1.15	55.01 2.04 5.89	56.03 2.63 10.19	51.82 2.54 5.37	49.30 2.65 8.76	68.39 3.84 11.15	53.77 3.74 14.68	49.23 3.26 10.46	49.47 2.81 -2.10	50.11 2.92 -2.80	48.82 3.78 10.33	63.63 4.00 1.86	49.98 3.45 14.38	49.93 2.67 4.69	33.84 2.35 20.18	48.97 2.18 3.29	41.82 2.50 4.25
SOUTH_FORK_WT_PWR 323839	48.39 0.00 0.11	41.87 1.08 -0.18	42.55 1.61 -0.50	31.07 1.61 0.00	30.90 1.67 -0.04	37.50 2.21 -0.19	55.54 2.47 -0.29	56.01 1.56 1.15	55.16 2.19 5.89	56.23 2.84 10.19	52.00 2.72 5.37	49.52 2.86 8.76	68.62 4.08 11.15	53.95 3.92 14.69	49.38 3.41 10.46	49.57 2.91 -2.10	50.22 3.03 -2.80	48.95 3.92 10.33	63.75 4.13 1.87	50.09 3.56 14.38	50.04 2.78 4.69	33.96 2.47 20.18	49.08 2.29 3.29	41.91 2.59 4.25
SPIERFLS_115KV_TB 1 80737	49.18 1.02 0.33	41.36 0.93 0.17	40.63 1.00 0.81	30.29 0.82 0.00	30.04 0.88 0.03	35.96 1.03 0.18	53.83 1.32 0.28	57.02 1.42 0.00	60.53 1.67 0.00	65.34 1.75 0.00	56.08 1.43 0.00	55.45 1.32 1.30	76.10 1.97 1.56	66.40 1.86 0.17	58.04 1.60 0.00	45.79 1.22 0.00	45.68 1.29 0.00	57.36 1.99 0.00	63.55 2.06 0.00	62.97 2.06 0.00	53.61 1.66 0.00	53.15 1.48 0.00	50.61 1.27 0.75	43.22 1.02 1.37
ST LAWRENCE____ 23600	49.07 0.58 0.00	40.97 0.36 0.00	40.77 0.32 0.00	29.61 0.15 0.00	29.26 0.07 0.00	35.23 0.12 0.00	53.03 0.25 0.00	55.89 0.29 0.00	59.08 0.22 0.00	63.82 0.23 0.00	54.90 0.26 0.00	55.59 0.17 0.00	75.82 0.13 0.00	64.78 0.07 0.00	56.47 0.03 0.00	44.57 0.01 0.00	44.28 -0.11 0.00	54.85 -0.52 0.00	61.29 -0.19 0.00	61.11 0.20 0.00	52.10 0.14 0.00	51.96 0.29 0.00	50.46 0.38 0.00	43.89 0.32 0.00



STATE_CA_115KV_115_LB 55624	47.63 -0.58 0.29	40.18 -0.28 0.15	39.43 -0.31 0.70	29.36 -0.11 0.00	29.09 -0.07 0.03	34.80 -0.15 0.16	52.07 -0.47 0.24	55.14 -0.46 0.00	58.57 -0.30 0.00	63.28 -0.31 0.00	54.30 -0.35 0.00	53.98 -0.31 1.13	74.01 -0.33 1.36	64.48 -0.09 0.15	56.31 -0.13 0.00	44.45 -0.11 0.00	44.33 -0.06 0.00	55.50 0.13 0.00	61.24 -0.24 0.00	60.51 -0.40 0.00	51.62 -0.33 0.00	51.33 -0.35 0.00	49.01 -0.42 0.65	42.00 -0.38 1.19
STATE_ST_34_KV_LOAD 55959	54.45 0.58 -5.38	43.60 0.26 -2.73	43.30 0.25 -2.61	30.36 0.14 -0.75	30.12 0.28 -0.64	36.76 0.52 -1.13	60.57 0.79 -7.00	64.96 0.80 -8.57	67.74 0.82 -8.05	72.30 0.99 -7.72	61.94 0.66 -6.64	61.89 0.58 -5.89	84.63 0.54 -8.40	71.43 0.32 -6.39	62.43 0.64 -5.36	48.81 0.64 -3.61	48.50 0.43 -3.67	62.87 1.08 -6.41	70.44 1.20 -7.76	69.27 1.02 -7.33	58.91 0.95 -6.00	58.46 0.86 -5.93	56.58 0.77 -5.73	48.86 0.66 -4.63
STATION_5_MISC_HYD 23604	52.03 1.23 -2.31	42.29 0.51 -1.17	42.05 0.48 -1.12	29.92 0.13 -0.32	29.63 0.17 -0.27	36.13 0.53 -0.49	56.68 0.92 -2.97	59.72 0.93 -3.20	62.64 0.77 -3.01	67.40 0.93 -2.88	58.44 1.26 -2.54	59.02 1.20 -2.39	80.69 1.59 -3.41	68.34 1.03 -2.60	59.60 0.98 -2.18	46.86 0.88 -1.41	46.56 0.80 -1.37	59.01 1.26 -2.38	65.58 1.21 -2.88	64.81 1.17 -2.72	55.21 1.02 -2.23	54.88 1.00 -2.21	53.15 0.94 -2.13	46.30 1.01 -1.72
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	54.99 2.17 -4.33	44.17 1.36 -2.20	43.83 1.28 -2.11	30.94 0.87 -0.60	30.65 0.94 -0.52	37.44 1.42 -0.91	61.08 2.63 -5.66	68.13 5.23 -7.31	70.94 5.21 -6.87	75.73 5.56 -6.58	63.98 3.66 -5.67	63.63 3.16 -5.05	86.37 3.49 -7.20	73.19 3.00 -5.47	64.08 3.05 -4.60	50.40 2.76 -3.08	50.21 2.68 -3.13	65.05 4.22 -5.46	72.97 4.87 -6.61	71.55 4.39 -6.25	60.98 3.92 -5.12	60.19 3.46 -5.06	58.14 3.18 -4.88	50.22 2.71 -3.95
STA_56_34_KV_BUS2_REV_LBMP_B 345033	51.65 0.83 -2.32	41.99 0.20 -1.18	41.75 0.18 -1.13	29.72 -0.07 -0.32	29.43 -0.04 -0.28	35.86 0.26 -0.49	56.31 0.54 -2.99	59.38 0.53 -3.25	62.29 0.38 -3.06	67.02 0.51 -2.92	58.11 0.90 -2.58	58.67 0.83 -2.41	80.21 1.08 -3.44	67.97 0.64 -2.62	59.27 0.64 -2.20	46.59 0.60 -1.43	46.30 0.52 -1.39	58.72 0.93 -2.42	65.24 0.83 -2.92	64.50 0.82 -2.76	54.90 0.69 -2.26	54.54 0.63 -2.24	52.81 0.57 -2.16	45.99 0.67 -1.75
STA_56___34_KV_BUS2 355983	51.65 0.83 -2.32	41.99 0.20 -1.18	41.75 0.18 -1.13	29.72 -0.07 -0.32	29.43 -0.04 -0.28	35.86 0.26 -0.49	56.31 0.54 -2.99	59.38 0.53 -3.25	62.29 0.38 -3.06	67.02 0.51 -2.92	58.11 0.90 -2.58	58.67 0.83 -2.41	80.21 1.08 -3.44	67.97 0.64 -2.62	59.27 0.64 -2.20	46.59 0.60 -1.43	46.30 0.52 -1.39	58.72 0.93 -2.42	65.24 0.83 -2.92	64.50 0.82 -2.76	54.90 0.69 -2.26	54.54 0.63 -2.24	52.81 0.57 -2.16	45.99 0.67 -1.75
STA_67___115KV_BK2 355882	51.92 1.12 -2.30	42.20 0.43 -1.17	41.96 0.40 -1.12	29.85 0.06 -0.32	29.57 0.10 -0.27	36.04 0.45 -0.48	56.54 0.80 -2.96	59.58 0.79 -3.19	62.49 0.62 -3.01	67.22 0.76 -2.87	58.30 1.12 -2.54	58.86 1.05 -2.39	80.46 1.37 -3.40	68.15 0.85 -2.59	59.43 0.82 -2.17	46.72 0.75 -1.41	46.41 0.65 -1.37	58.82 1.07 -2.38	65.39 1.03 -2.87	64.63 1.00 -2.72	55.05 0.87 -2.23	54.71 0.84 -2.20	53.00 0.79 -2.12	46.18 0.89 -1.72
STA_7___115KV_9TRANS 80674	52.26 1.46 -2.31	42.47 0.69 -1.17	42.21 0.65 -1.12	30.03 0.24 -0.32	29.75 0.29 -0.27	36.28 0.69 -0.49	56.92 1.16 -2.97	59.99 1.19 -3.20	62.91 1.03 -3.01	67.68 1.21 -2.88	58.74 1.55 -2.54	59.32 1.50 -2.39	81.07 1.96 -3.41	68.70 1.39 -2.60	59.93 1.32 -2.18	47.13 1.15 -1.41	46.84 1.08 -1.37	59.35 1.60 -2.38	65.95 1.58 -2.88	65.19 1.55 -2.72	55.54 1.35 -2.23	55.17 1.30 -2.21	53.43 1.22 -2.13	46.53 1.24 -1.72
STA_82___115KV_TB1 80780	51.99 1.15 -2.35	42.24 0.45 -1.19	41.99 0.41 -1.14	29.88 0.08 -0.32	29.58 0.11 -0.28	36.07 0.47 -0.49	56.63 0.83 -3.02	59.66 0.82 -3.24	62.57 0.66 -3.05	67.29 0.78 -2.91	58.35 1.13 -2.58	58.92 1.07 -2.43	80.55 1.40 -3.46	68.23 0.87 -2.63	59.48 0.83 -2.21	46.76 0.77 -1.43	46.46 0.69 -1.39	58.88 1.10 -2.41	65.47 1.07 -2.92	64.72 1.05 -2.76	55.12 0.91 -2.26	54.76 0.85 -2.23	53.06 0.83 -2.16	46.25 0.94 -1.74
STEEL___WIND 323596	53.04 2.08 -2.47	42.64 0.78 -1.25	42.39 0.75 -1.20	29.93 0.12 -0.34	29.64 0.15 -0.29	36.36 0.73 -0.52	56.93 0.96 -3.19	60.00 0.80 -3.61	62.75 0.49 -3.40	67.54 0.70 -3.24	58.83 1.35 -2.84	59.26 1.23 -2.61	81.16 1.75 -3.72	68.25 0.71 -2.83	59.49 0.68 -2.38	46.80 0.68 -1.56	46.18 0.24 -1.54	58.49 0.43 -2.69	65.01 0.27 -3.25	64.19 0.21 -3.07	54.87 0.40 -2.51	54.71 0.55 -2.49	53.25 0.77 -2.40	46.76 1.25 -1.94
STEPHTWN_115KV_BK_2 55603	47.68 -0.54 0.28	40.19 -0.27 0.15	39.47 -0.30 0.67	29.34 -0.12 0.00	29.07 -0.09 0.03	34.82 -0.13 0.15	52.11 -0.44 0.23	55.18 -0.42 0.00	58.58 -0.28 0.00	63.30 -0.29 0.00	54.36 -0.29 0.00	54.03 -0.31 1.08	74.08 -0.31 1.30	64.64 0.07 0.14	56.46 0.02 0.00	44.42 -0.14 0.00	44.31 -0.08 0.00	55.61 0.24 0.00	61.46 -0.02 0.00	60.59 -0.32 0.00	51.75 -0.21 0.00	51.40 -0.27 0.00	49.16 -0.30 0.63	42.02 -0.41 1.14
STEUBEN_REC_LFGE 323667	54.09 2.33 -3.27	43.48 1.22 -1.66	43.16 1.13 -1.59	30.52 0.60 -0.45	30.25 0.67 -0.39	36.99 1.20 -0.69	59.22 2.20 -4.24	62.98 2.31 -5.07	65.47 1.83 -4.78	70.05 1.88 -4.57	60.01 1.41 -3.96	60.24 1.25 -3.56	82.50 1.74 -5.07	69.58 1.01 -3.86	60.69 1.02 -3.24	47.73 1.01 -2.16	47.25 0.69 -2.17	60.80 1.65 -3.78	68.01 1.95 -4.57	66.75 1.52 -4.32	57.00 1.50 -3.54	56.34 1.17 -3.50	54.67 1.21 -3.38	47.86 1.56 -2.73
STILLWATER___SOLAR 323814	49.18 1.06 0.37	41.41 1.00 0.19	40.57 1.02 0.90	30.32 0.85 0.00	30.03 0.88 0.04	35.96 1.06 0.20	53.91 1.44 0.31	57.15 1.55 0.00	60.60 1.74 0.00	65.43 1.84 0.00	56.15 1.50 0.00	55.45 1.47 1.44	76.10 2.14 1.73	66.48 1.96 0.19	58.13 1.69 0.00	45.88 1.32 0.00	45.79 1.40 0.00	57.44 2.07 0.00	63.55 2.06 0.00	62.85 1.94 0.00	53.57 1.61 0.00	53.17 1.50 0.00	50.58 1.34 0.83	43.16 1.12 1.52
STONY___BROOK 24151	48.54 0.15 0.10	41.84 1.05 -0.18	42.17 1.22 -0.52	30.46 0.99 0.00	30.13 0.90 -0.04	36.48 1.18 -0.19	54.00 0.93 -0.29	54.66 0.20 1.15	53.49 0.45 5.83	54.14 0.67 10.12	50.11 0.76 5.29	47.75 0.99 8.66	66.23 1.60 11.06	52.04 1.84 14.51	47.62 1.49 10.31	48.15 1.38 -2.20	48.83 1.54 -2.91	47.31 2.00 10.06	62.27 2.07 1.28	48.37 1.50 14.04	48.57 1.07 4.46	32.56 0.84 19.95	47.73 0.87 3.23	40.96 1.47 4.07
STURGEON_POOL_HYD 23609	49.49 0.80 -0.20	41.67 0.96 -0.11	41.84 0.91 -0.49	30.22 0.76 0.00	29.99 0.77 -0.02	36.09 0.87 -0.11	54.14 1.19 -0.17	56.87 1.27 0.00	60.37 1.51 0.00	65.29 1.70 0.00	56.01 1.36 0.00	57.79 1.58 -0.78	78.93 2.29 -0.94	66.93 2.11 -0.10	58.13 1.69 0.00	45.91 1.34 0.00	45.84 1.44 0.00	57.47 2.10 0.00	63.61 2.13 0.00	62.69 1.78 0.00	53.36 1.41 0.00	52.98 1.31 0.00	51.72 1.27 -0.37	45.37 1.13 -0.67



ST_LAW_115_BK7_LBMP 345037	49.12 0.62 0.00	41.00 0.39 0.00	40.79 0.35 0.00	29.62 0.15 0.00	29.28 0.09 0.00	35.24 0.13 0.00	53.07 0.29 0.00	55.93 0.33 0.00	59.14 0.28 0.00	63.85 0.25 0.00	54.93 0.29 0.00	55.62 0.19 0.00	75.84 0.15 0.00	64.79 0.08 0.00	56.47 0.03 0.00	44.57 0.01 0.00	44.28 -0.11 0.00	54.81 -0.56 0.00	61.29 -0.19 0.00	61.13 0.21 0.00	52.13 0.17 0.00	51.98 0.31 0.00	50.49 0.41 0.00	43.92 0.35 0.00
ST_LAW_115_BK8_LBMP 345038	49.12 0.62 0.00	41.00 0.39 0.00	40.79 0.35 0.00	29.62 0.15 0.00	29.28 0.09 0.00	35.24 0.13 0.00	53.07 0.29 0.00	55.93 0.33 0.00	59.14 0.28 0.00	63.85 0.25 0.00	54.93 0.29 0.00	55.62 0.19 0.00	75.84 0.15 0.00	64.79 0.08 0.00	56.47 0.03 0.00	44.57 0.01 0.00	44.28 -0.11 0.00	54.81 -0.56 0.00	61.29 -0.19 0.00	61.13 0.21 0.00	52.13 0.17 0.00	51.98 0.31 0.00	50.49 0.41 0.00	43.92 0.35 0.00
ST_LAW_230_BK5_LBMP 345035	49.07 0.58 0.00	40.97 0.36 0.00	40.77 0.32 0.00	29.61 0.15 0.00	29.26 0.07 0.00	35.23 0.12 0.00	53.03 0.25 0.00	55.89 0.29 0.00	59.08 0.22 0.00	63.82 0.23 0.00	54.90 0.26 0.00	55.59 0.17 0.00	75.82 0.13 0.00	64.78 0.07 0.00	56.47 0.03 0.00	44.57 0.01 0.00	44.28 -0.11 0.00	54.85 -0.52 0.00	61.29 -0.19 0.00	61.11 0.20 0.00	52.10 0.14 0.00	51.96 0.29 0.00	50.46 0.38 0.00	43.89 0.32 0.00
ST_LAW_230_BK6_LBMP 345036	49.07 0.58 0.00	40.97 0.36 0.00	40.77 0.32 0.00	29.61 0.15 0.00	29.26 0.07 0.00	35.23 0.12 0.00	53.03 0.25 0.00	55.89 0.29 0.00	59.08 0.22 0.00	63.82 0.23 0.00	54.90 0.26 0.00	55.59 0.17 0.00	75.82 0.13 0.00	64.78 0.07 0.00	56.47 0.03 0.00	44.57 0.01 0.00	44.28 -0.11 0.00	54.85 -0.52 0.00	61.29 -0.19 0.00	61.11 0.20 0.00	52.10 0.14 0.00	51.96 0.29 0.00	50.46 0.38 0.00	43.89 0.32 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	49.45 0.65 -0.30	41.58 0.81 -0.16	41.88 0.70 -0.74	30.09 0.62 0.00	29.86 0.64 -0.03	36.03 0.75 -0.17	54.08 1.05 -0.25	56.69 1.09 0.00	60.14 1.28 0.00	65.00 1.40 0.00	55.76 1.11 0.00	57.90 1.30 -1.18	79.06 1.95 -1.42	66.71 1.83 -0.16	57.90 1.46 0.00	45.70 1.14 0.00	45.65 1.26 0.00	57.31 1.94 0.00	63.52 2.03 0.00	62.51 1.60 0.00	53.16 1.21 0.00	52.78 1.11 0.00	51.84 1.09 -0.67	45.77 0.97 -1.23
SWANROAD_115KV_TB1 355699	52.07 1.17 -2.41	41.88 0.05 -1.22	41.67 0.05 -1.17	29.37 -0.43 -0.33	29.09 -0.39 -0.29	35.76 0.14 -0.51	55.35 -0.54 -3.11	58.24 -0.84 -3.49	60.91 -1.24 -3.28	65.52 -1.21 -3.13	57.18 -0.21 -2.75	57.53 -0.43 -2.54	78.83 -0.47 -3.62	66.30 -1.16 -2.75	57.76 -0.99 -2.31	45.52 -0.55 -1.51	44.82 -1.06 -1.49	56.55 -1.42 -2.60	62.81 -1.82 -3.14	62.22 -1.66 -2.97	53.16 -1.22 -2.43	53.06 -1.01 -2.40	51.75 -0.65 -2.32	45.84 0.39 -1.88
SYNERGY___BIOGAS 323694	53.73 2.85 -2.39	43.38 1.56 -1.21	43.11 1.51 -1.16	30.50 0.70 -0.33	30.23 0.75 -0.28	37.08 1.46 -0.50	57.91 2.04 -3.08	61.16 2.17 -3.39	63.95 1.90 -3.20	68.70 2.06 -3.05	59.61 2.28 -2.68	60.15 2.23 -2.50	82.24 2.98 -3.56	69.11 1.68 -2.71	60.28 1.57 -2.28	47.47 1.42 -1.48	47.20 1.37 -1.45	59.73 1.83 -2.53	66.77 2.23 -3.06	66.17 2.37 -2.89	56.39 2.08 -2.36	56.04 2.03 -2.34	54.36 2.02 -2.26	47.64 2.25 -1.82
SYRACUSE___ENERGY_ST1 323597	54.37 -0.02 -5.89	43.45 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.72 0.09 -8.77	72.01 -0.02 -8.42	61.84 -0.06 -7.25	61.77 -0.08 -6.43	84.49 -0.38 -9.17	71.17 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.34 -0.03 -7.00	69.85 -0.11 -8.48	68.71 -0.20 -8.01	58.43 -0.08 -6.56	58.14 -0.01 -6.48	56.37 0.03 -6.26	48.63 0.00 -5.06
SYRACUSE___ENERGY_ST2 323598	54.37 -0.02 -5.89	43.45 -0.15 -2.99	43.14 -0.17 -2.86	30.14 -0.15 -0.81	29.79 -0.10 -0.70	36.32 -0.03 -1.24	60.53 0.09 -7.66	65.04 0.10 -9.34	67.72 0.09 -8.77	72.01 -0.02 -8.42	61.84 -0.06 -7.25	61.77 -0.08 -6.43	84.49 -0.38 -9.17	71.17 -0.53 -6.98	61.90 -0.40 -5.86	48.27 -0.24 -3.94	48.18 -0.22 -4.02	62.34 -0.03 -7.00	69.85 -0.11 -8.48	68.71 -0.20 -8.01	58.43 -0.08 -6.56	58.14 -0.01 -6.48	56.37 0.03 -6.26	48.63 0.00 -5.06
SYRACUSE___POWER 24017	53.08 0.10 -4.48	42.84 -0.04 -2.27	42.55 -0.07 -2.18	30.01 -0.08 -0.62	29.68 -0.05 -0.53	36.09 0.04 -0.94	58.85 0.25 -5.82	63.08 0.51 -6.97	66.03 0.67 -6.50	70.12 0.19 -6.35	60.27 0.15 -5.48	60.44 0.14 -4.88	82.77 0.12 -6.95	70.00 -0.01 -5.29	60.92 0.04 -4.44	47.62 0.08 -2.98	47.57 0.15 -3.03	61.01 0.36 -5.28	68.23 0.36 -6.38	67.23 0.28 -6.03	57.16 0.26 -4.94	56.76 0.21 -4.88	54.94 0.15 -4.71	47.48 0.10 -3.81
TALLMAN__138KV_BK151 55660	49.69 0.88 -0.32	41.83 1.05 -0.17	42.10 0.88 -0.78	30.24 0.77 0.00	30.02 0.80 -0.03	36.25 0.96 -0.18	54.40 1.35 -0.27	57.01 1.41 0.00	60.47 1.61 0.00	65.35 1.76 0.00	56.05 1.41 0.00	58.32 1.64 -1.25	79.67 2.48 -1.50	67.18 2.30 -0.16	58.27 1.84 0.00	46.01 1.45 0.00	45.95 1.56 0.00	57.72 2.35 0.00	64.03 2.54 0.00	62.92 2.01 0.00	53.44 1.49 0.00	53.05 1.38 0.00	52.17 1.37 -0.72	46.12 1.24 -1.31
TEALLAVE_115KV_TB7 355573	52.30 -0.24 -4.04	42.33 -0.33 -2.05	42.06 -0.35 -1.96	29.74 -0.29 -0.56	29.42 -0.25 -0.48	35.75 -0.21 -0.85	57.87 -0.16 -5.25	61.90 0.03 -6.27	64.84 0.14 -5.83	69.04 -0.26 -5.71	59.38 -0.19 -4.93	59.62 -0.19 -4.39	81.63 -0.33 -6.27	69.10 -0.38 -4.77	60.16 -0.28 -4.00	47.09 -0.16 -2.69	47.01 -0.11 -2.73	60.17 0.07 -4.72	67.15 -0.04 -5.71	66.18 -0.12 -5.39	56.27 -0.09 -4.41	55.89 -0.14 -4.36	54.09 -0.20 -4.21	46.79 -0.18 -3.41
TELGRAPH_34_KV_EAST 80808	52.95 2.05 -2.40	42.70 0.87 -1.22	42.44 0.83 -1.17	30.00 0.19 -0.33	29.73 0.25 -0.28	36.46 0.85 -0.51	56.79 0.91 -3.10	59.82 0.80 -3.42	62.62 0.53 -3.22	67.35 0.68 -3.08	58.59 1.24 -2.70	58.99 1.06 -2.52	80.88 1.61 -3.58	68.09 0.65 -2.73	59.28 0.56 -2.29	46.62 0.57 -1.49	46.10 0.24 -1.47	58.47 0.55 -2.55	65.06 0.49 -3.08	64.43 0.60 -2.92	55.00 0.66 -2.39	54.75 0.72 -2.36	53.23 0.87 -2.28	46.79 1.38 -1.84
TEMPLE___115KV_TB 2 55572	52.33 -0.21 -4.05	42.36 -0.30 -2.05	42.09 -0.32 -1.97	29.76 -0.26 -0.56	29.44 -0.24 -0.48	35.77 -0.19 -0.85	57.92 -0.13 -5.26	61.97 0.11 -6.27	64.95 0.26 -5.83	69.09 -0.22 -5.72	59.42 -0.17 -4.94	59.67 -0.15 -4.40	81.68 -0.29 -6.28	69.15 -0.34 -4.78	60.20 -0.24 -4.01	47.13 -0.13 -2.69	47.05 -0.07 -2.73	60.20 0.09 -4.74	67.19 -0.02 -5.72	66.21 -0.10 -5.40	56.32 -0.06 -4.42	55.92 -0.13 -4.37	54.12 -0.18 -4.22	46.81 -0.17 -3.41
TIANA____69_KV_BK 1 55817	48.33 -0.06 0.11	41.69 0.90 -0.18	42.11 1.16 -0.50	30.49 1.03 0.00	30.16 0.93 -0.04	36.55 1.25 -0.19	54.14 1.07 -0.29	54.76 0.31 1.15	53.65 0.68 5.89	54.46 1.06 10.19	50.29 1.02 5.37	47.91 1.25 8.76	66.42 1.88 11.15	52.10 2.07 14.68	47.78 1.81 10.46	48.27 1.61 -2.10	48.93 1.74 -2.80	47.38 2.34 10.33	62.10 2.47 1.86	48.40 1.86 14.38	48.62 1.36 4.69	32.59 1.10 20.18	47.82 1.03 3.29	40.85 1.53 4.25



TILDEN___115KV_TB1 80814	53.08 0.10 -4.48	42.84 -0.04 -2.27	42.55 -0.07 -2.18	30.01 -0.08 -0.62	29.68 -0.05 -0.53	36.09 0.04 -0.94	58.85 0.25 -5.82	63.08 0.51 -6.97	66.03 0.67 -6.50	70.12 0.19 -6.35	60.27 0.15 -5.48	60.44 0.14 -4.88	82.77 0.12 -6.95	70.00 -0.01 -5.29	60.92 0.04 -4.44	47.62 0.08 -2.98	47.57 0.15 -3.03	61.01 0.36 -5.28	68.23 0.36 -6.38	67.23 0.28 -6.03	57.16 0.26 -4.94	56.76 0.21 -4.88	54.94 0.15 -4.71	47.48 0.10 -3.81
TRIGEN___CC 323695	49.35 0.63 -0.24	42.03 1.23 -0.19	44.22 1.35 -2.43	30.58 1.09 -0.02	30.18 0.95 -0.04	36.50 1.19 -0.20	54.27 1.20 -0.29	56.34 0.91 0.17	65.88 1.26 -5.76	67.84 1.48 -2.78	64.43 1.24 -8.55	66.35 1.44 -9.48	82.50 2.12 -4.69	83.54 2.12 -16.71	75.51 1.68 -17.39	68.20 1.38 -22.26	68.71 1.50 -22.82	96.95 2.25 -39.32	169.69 2.36 -105.84	111.21 1.82 -48.48	92.41 1.41 -39.04	74.90 1.23 -21.99	59.36 1.29 -7.99	73.81 1.59 -28.66
TRINITY__115KV__4 BK 55933	47.39 -0.83 0.28	39.98 -0.48 0.15	39.26 -0.51 0.68	29.23 -0.24 0.00	28.94 -0.22 0.03	34.63 -0.32 0.16	51.77 -0.78 0.24	54.81 -0.79 0.00	58.22 -0.64 0.00	62.90 -0.69 0.00	53.94 -0.70 0.00	53.66 -0.67 1.09	73.55 -0.83 1.31	64.06 -0.52 0.14	55.93 -0.50 0.00	44.15 -0.41 0.00	44.03 -0.36 0.00	55.14 -0.23 0.00	60.85 -0.64 0.00	60.12 -0.79 0.00	51.29 -0.66 0.00	51.03 -0.64 0.00	48.76 -0.69 0.63	41.80 -0.61 1.15
UNION___PROCESSING_DRP 323587	52.02 1.16 -2.37	42.26 0.45 -1.20	42.02 0.42 -1.15	29.88 0.09 -0.33	29.60 0.13 -0.28	36.09 0.48 -0.50	56.67 0.84 -3.04	59.70 0.84 -3.26	62.60 0.67 -3.07	67.34 0.81 -2.93	58.40 1.17 -2.59	58.96 1.09 -2.45	80.62 1.44 -3.49	68.26 0.90 -2.65	59.51 0.85 -2.23	46.78 0.77 -1.44	46.48 0.69 -1.39	58.93 1.13 -2.43	65.51 1.09 -2.94	64.75 1.07 -2.77	55.16 0.94 -2.27	54.80 0.88 -2.24	53.09 0.84 -2.17	46.26 0.94 -1.75
UPPER HUDSON___HYD 24058	49.18 1.02 0.33	41.36 0.93 0.17	40.63 1.00 0.81	30.29 0.82 0.00	30.04 0.88 0.03	35.96 1.03 0.18	53.83 1.32 0.28	57.02 1.42 0.00	60.53 1.67 0.00	65.34 1.75 0.00	56.08 1.43 0.00	55.44 1.32 0.00	76.08 1.95 1.56	66.40 1.86 0.17	58.04 1.61 0.00	45.79 1.22 0.00	45.68 1.29 0.00	57.35 1.98 0.00	63.55 2.06 0.00	62.97 2.06 0.00	53.61 1.66 0.00	53.15 1.48 0.00	50.60 1.27 0.75	43.22 1.02 1.37
UPPER RAQUET___HYD 24056	51.30 1.99 -0.82	42.50 1.48 -0.42	42.23 1.39 -0.40	30.48 0.90 -0.11	30.09 0.80 -0.10	36.37 1.09 -0.17	55.66 1.82 -1.07	58.78 1.90 -1.27	61.70 1.64 -1.19	66.18 1.43 -1.15	56.81 1.17 -1.00	57.27 0.95 -0.89	78.11 1.15 -1.27	66.53 0.85 -0.96	57.90 0.66 -0.81	45.61 0.50 -0.54	45.20 0.26 -0.55	56.26 -0.08 -0.97	63.24 0.58 -1.18	63.24 1.21 -1.12	53.97 1.10 -0.91	54.12 1.55 -0.90	52.67 1.72 -0.87	45.67 1.40 -0.71
VALLEY44_115KV_TB2 355964	52.33 1.31 -2.53	42.17 0.28 -1.28	42.01 0.34 -1.23	29.78 -0.04 -0.35	29.54 0.05 -0.30	36.18 0.53 -0.53	57.08 1.03 -3.27	60.32 0.99 -3.72	62.88 0.51 -3.51	67.46 0.52 -3.35	58.60 1.03 -2.92	59.17 1.07 -2.68	80.66 1.15 -3.82	67.54 -0.08 -2.91	58.87 -0.01 -2.44	46.38 0.21 -1.61	45.80 -0.18 -1.59	58.25 0.11 -2.77	64.93 0.09 -3.35	63.77 -0.31 -3.17	54.51 -0.03 -2.59	54.27 0.03 -2.56	52.88 0.33 -2.48	46.36 0.79 -2.00
VALLEY___115KV_TB 1-4 80826	48.64 0.15 0.00	40.89 0.28 0.00	40.72 0.28 0.00	29.81 0.34 0.00	29.53 0.34 0.00	35.51 0.40 0.00	53.47 0.69 0.00	56.32 0.72 0.00	59.59 0.73 0.00	64.36 0.77 0.00	55.14 0.49 0.00	55.92 0.50 0.00	76.64 0.94 0.00	65.67 0.95 0.00	57.22 0.78 0.00	45.16 0.59 0.00	45.12 0.73 0.00	56.69 1.32 0.00	62.51 1.03 0.00	61.43 0.52 0.00	52.28 0.33 0.00	51.92 0.25 0.00	50.10 0.02 0.00	43.47 -0.09 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	51.25 1.23 -1.53	42.54 1.16 -0.78	42.41 1.22 -0.74	30.58 0.91 -0.21	30.28 0.91 -0.18	36.49 1.06 -0.32	56.36 1.59 -1.99	59.67 1.68 -2.38	62.91 1.80 -2.25	67.70 1.97 -2.13	58.14 1.66 -1.84	58.86 1.78 -1.66	80.60 2.54 -2.37	68.67 2.16 -1.80	59.76 1.81 -1.51	47.06 1.49 -1.01	46.94 1.53 -1.02	59.33 2.18 -1.77	65.70 2.07 -2.15	64.73 1.79 -2.03	55.21 1.59 -1.66	54.85 1.53 -1.64	53.04 1.37 -1.59	46.03 1.18 -1.28
VISCHER___FERRY HYD 24020	48.31 0.27 0.45	40.75 0.38 0.24	39.74 0.40 1.11	29.89 0.42 0.00	29.59 0.45 0.05	35.38 0.52 0.25	52.97 0.57 0.38	56.21 0.61 0.00	59.67 0.81 0.00	64.44 0.85 0.00	55.27 0.62 0.00	54.27 0.63 0.00	74.52 0.96 2.13	65.47 0.99 0.23	57.25 0.82 0.00	45.20 0.63 0.00	45.07 0.68 0.00	56.50 1.13 0.00	62.42 0.94 0.00	61.69 0.77 0.00	52.63 0.67 0.00	52.29 0.62 0.00	49.57 0.52 1.03	42.13 0.44 1.87
V_A_10_SYNC_DSASP 323832	52.05 1.27 -2.28	42.01 0.24 -1.16	41.79 0.24 -1.11	29.58 -0.20 -0.32	29.29 -0.17 -0.27	35.88 0.29 -0.48	56.02 0.29 -2.95	58.95 0.05 -3.30	61.70 -0.27 -3.11	66.36 -0.20 -2.97	57.84 0.59 -2.60	58.26 0.43 -2.40	79.68 0.56 -3.43	67.15 -0.17 -2.61	58.51 -0.11 -2.19	46.02 0.02 -1.43	45.42 -0.38 -1.41	57.42 -0.40 -2.46	63.79 -0.67 -2.97	63.09 -0.63 -2.81	53.88 -0.38 -2.30	53.72 -0.22 -2.27	52.32 0.04 -2.20	45.98 0.64 -1.78
V_CMM_10_SYNC_DSASP 323787	49.40 0.91 0.00	41.23 0.62 0.00	41.02 0.58 0.00	29.78 0.31 0.00	29.43 0.24 0.00	35.44 0.33 0.00	53.34 0.56 0.00	56.23 0.63 0.00	59.43 0.57 0.00	64.21 0.61 0.00	55.24 0.60 0.00	55.93 0.50 0.00	76.25 0.56 0.00	65.13 0.41 0.00	56.75 0.32 0.00	44.80 0.23 0.00	44.50 0.11 0.00	55.11 -0.26 0.00	61.62 0.14 0.00	61.48 0.56 0.00	52.41 0.45 0.00	52.27 0.60 0.00	50.78 0.69 0.00	44.16 0.59 0.00
V_CMP_10_SYNC_DSASP 323788	50.46 1.96 0.00	42.18 1.57 0.00	41.94 1.50 0.00	30.53 1.06 0.00	30.00 0.81 0.00	36.01 0.91 0.00	53.17 0.39 0.00	55.21 -0.39 0.00	58.25 -0.61 0.00	62.69 -0.90 0.00	53.71 -0.93 0.00	54.21 -1.21 0.00	74.22 -1.47 0.00	63.54 -1.18 0.00	55.22 -1.21 0.00	43.55 -1.01 0.00	43.32 -1.06 0.00	53.85 -1.52 0.00	59.92 -1.57 0.00	59.34 -1.57 0.00	50.85 -1.11 0.00	52.16 0.49 0.00	51.72 1.64 0.00	45.02 1.45 0.00
V_D_10_SYNC_DSASP 323841	49.84 1.35 0.00	41.59 0.98 0.00	41.36 0.92 0.00	30.03 0.56 0.00	29.66 0.47 0.00	35.75 0.64 0.00	53.87 1.09 0.00	56.75 1.15 0.00	59.89 1.03 0.00	64.60 1.01 0.00	55.58 0.94 0.00	56.25 0.83 0.00	76.66 0.97 0.00	65.44 0.72 0.00	57.00 0.56 0.00	45.01 0.44 0.00	44.68 0.29 0.00	55.34 -0.03 0.00	61.98 0.50 0.00	61.88 0.97 0.00	52.77 0.82 0.00	52.70 1.03 0.00	51.20 1.12 0.00	44.51 0.94 0.00
V_E_10_SYNC_DSASP 323830	54.72 3.20 -3.02	44.57 2.43 -1.53	44.34 2.42 -1.47	31.62 1.73 -0.42	31.35 1.79 -0.36	38.14 2.40 -0.64	60.82 4.11 -3.93	64.67 4.35 -4.73	67.55 4.23 -4.45	72.27 4.44 -4.24	61.94 3.64 -3.66	62.40 3.69 -3.28	85.79 5.42 -4.68	72.42 4.15 -3.56	62.95 3.53 -2.99	49.36 2.80 -2.00	49.33 2.92 -2.02	63.44 4.55 -3.52	70.80 5.05 -4.27	69.82 4.87 -4.03	59.23 3.98 -3.30	58.29 3.36 -3.26	56.03 2.80 -3.15	48.49 2.38 -2.55



V_F_30_NSYNC___DSASP 323816	49.28 1.14 0.35	41.49 1.06 0.19	40.66 1.08 0.86	30.36 0.89 0.00	30.08 0.92 0.04	36.01 1.10 0.20	54.01 1.52 0.30	57.24 1.64 0.00	60.69 1.83 0.00	65.54 1.95 0.00	56.25 1.60 0.00	55.63 1.58 1.38	76.31 2.27 1.66	66.59 2.05 0.18	58.24 1.80 0.00	45.96 1.40 0.00	45.85 1.46 0.00	57.54 2.17 0.00	63.65 2.17 0.00	62.96 2.05 0.00	53.66 1.71 0.00	53.27 1.60 0.00	50.71 1.42 0.80	43.30 1.19 1.45
V_F_30_SYNC_DSASP 323786	47.63 -0.58 0.29	40.18 -0.28 0.15	39.43 -0.31 0.70	29.35 -0.12 0.00	29.09 -0.08 0.03	34.80 -0.15 0.16	52.07 -0.47 0.24	55.14 -0.46 0.00	58.57 -0.30 0.00	63.28 -0.31 0.00	54.30 -0.35 0.00	53.97 -0.33 1.13	74.00 -0.33 1.35	64.48 -0.09 0.15	56.31 -0.13 0.00	44.45 -0.11 0.00	44.32 -0.07 0.00	55.50 0.13 0.00	61.24 -0.24 0.00	60.51 -0.40 0.00	51.62 -0.34 0.00	51.33 -0.35 0.00	49.01 -0.42 0.65	42.00 -0.39 1.19
V_XM_10_SYNC_DSASP 323789	50.46 1.96 0.00	42.18 1.57 0.00	41.94 1.50 0.00	30.53 1.06 0.00	30.00 0.81 0.00	36.01 0.91 0.00	53.17 0.39 0.00	55.21 -0.39 0.00	58.25 -0.61 0.00	62.69 -0.90 0.00	53.71 -0.93 0.00	54.21 -1.21 0.00	74.22 -1.47 0.00	63.54 -1.18 0.00	55.22 -1.21 0.00	43.55 -1.01 0.00	43.32 -1.06 0.00	53.85 -1.52 0.00	59.92 -1.57 0.00	59.34 -1.57 0.00	50.85 -1.11 0.00	52.16 0.49 0.00	51.72 1.64 0.00	45.02 1.45 0.00
W.BABYLN_69_KV_BK1 56697	49.32 0.88 0.05	42.39 1.59 -0.18	43.06 1.78 -0.84	30.87 1.40 0.00	30.47 1.24 -0.04	36.90 1.60 -0.19	54.71 1.63 -0.29	55.70 1.10 1.00	56.13 1.39 4.12	57.07 1.59 8.12	52.88 1.35 3.11	51.24 1.62 5.80	69.19 2.45 8.96	57.03 2.41 10.10	52.05 1.95 6.33	51.64 1.68 -5.39	52.29 1.82 -6.08	55.18 2.52 2.72	79.87 2.67 -15.71	58.26 2.13 4.78	55.85 1.74 -2.15	39.88 1.66 13.44	50.37 1.66 1.37	47.00 2.01 -1.43
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	49.95 1.13 -0.32	42.03 1.25 -0.17	42.32 1.09 -0.79	30.38 0.91 0.00	30.17 0.94 -0.03	36.42 1.13 -0.18	54.68 1.62 -0.27	57.31 1.71 0.00	60.81 1.94 0.00	65.74 2.15 0.00	56.40 1.76 0.00	58.68 1.99 -1.27	80.15 2.93 -1.53	67.58 2.69 -0.17	58.64 2.21 0.00	46.31 1.75 0.00	46.25 1.86 0.00	58.08 2.70 0.00	64.40 2.92 0.00	63.31 2.39 0.00	53.76 1.81 0.00	53.36 1.68 0.00	52.46 1.65 -0.73	46.37 1.47 -1.34
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	50.04 1.20 -0.34	42.20 1.41 -0.18	42.51 1.23 -0.84	30.52 1.06 0.00	30.32 1.10 -0.04	36.62 1.32 -0.19	54.81 1.74 -0.29	57.45 1.85 0.00	167.97 2.24 -106.86	68.89 2.48 -2.81	56.77 2.13 0.00	59.15 2.38 -1.35	80.71 3.40 -1.62	68.00 3.11 -0.18	59.04 2.61 0.00	46.58 2.01 0.00	46.47 2.08 0.00	58.26 2.88 0.00	64.47 2.99 0.00	63.42 2.50 0.00	53.85 1.89 0.00	53.45 1.78 0.00	52.60 1.74 -0.78	46.56 1.57 -1.42
W50THST__13_KV_LOAD 356117	50.30 1.46 -0.34	42.40 1.61 -0.18	42.71 1.43 -0.84	30.68 1.21 0.00	30.49 1.26 -0.04	36.82 1.52 -0.19	55.13 2.06 -0.29	57.82 2.23 0.00	168.42 2.69 -106.86	69.40 2.99 -2.81	57.23 2.59 0.00	59.63 2.86 -1.35	81.37 4.06 -1.62	68.53 3.64 -0.18	59.52 3.09 0.00	46.94 2.37 0.00	46.81 2.43 0.00	58.67 3.29 0.00	64.88 3.40 0.00	63.81 2.89 0.00	54.16 2.21 0.00	53.75 2.08 0.00	52.88 2.02 -0.78	46.80 1.81 -1.42
WADING RIVER_IC_1 23522	47.90 -0.49 0.11	41.33 0.54 -0.18	41.67 0.73 -0.50	30.12 0.66 0.00	29.81 0.58 -0.04	36.10 0.81 -0.19	53.43 0.36 -0.29	54.05 -0.40 1.15	52.83 -0.14 5.90	53.45 0.06 10.20	49.46 0.19 5.37	47.01 0.36 8.77	65.21 0.67 11.16	51.07 1.05 14.70	46.82 0.86 10.47	47.53 0.88 -2.09	48.22 1.04 -2.79	46.45 1.43 10.35	61.01 1.43 1.91	47.40 0.89 14.40	47.81 0.56 4.71	31.80 0.33 20.20	47.13 0.34 3.29	40.29 0.98 4.26
WADING RIVER_IC_2 23547	47.90 -0.49 0.11	41.33 0.54 -0.18	41.67 0.73 -0.50	30.12 0.66 0.00	29.81 0.58 -0.04	36.10 0.81 -0.19	53.43 0.36 -0.29	54.05 -0.40 1.15	52.83 -0.14 5.90	53.45 0.06 10.20	49.46 0.19 5.37	47.01 0.36 8.77	65.21 0.67 11.16	51.07 1.05 14.70	46.82 0.86 10.47	47.53 0.88 -2.09	48.22 1.04 -2.79	46.45 1.43 10.35	61.01 1.43 1.91	47.40 0.89 14.40	47.81 0.56 4.71	31.80 0.33 20.20	47.13 0.34 3.29	40.29 0.98 4.26
WADING RIVER_IC_3 23601	47.90 -0.49 0.11	41.33 0.54 -0.18	41.67 0.73 -0.50	30.12 0.66 0.00	29.81 0.58 -0.04	36.10 0.81 -0.19	53.43 0.36 -0.29	54.05 -0.40 1.15	52.83 -0.14 5.90	53.45 0.06 10.20	49.46 0.19 5.37	47.01 0.36 8.77	65.21 0.67 11.16	51.07 1.05 14.70	46.82 0.86 10.47	47.53 0.88 -2.09	48.22 1.04 -2.79	46.45 1.43 10.35	61.01 1.43 1.91	47.40 0.89 14.40	47.81 0.56 4.71	31.80 0.33 20.20	47.13 0.34 3.29	40.29 0.98 4.26
WALDENNY_12_KV_BK2 80841	53.10 2.14 -2.46	42.69 0.83 -1.25	42.44 0.80 -1.20	29.96 0.14 -0.34	29.67 0.18 -0.29	36.41 0.78 -0.52	56.95 0.99 -3.18	59.99 0.80 -3.59	62.78 0.53 -3.39	67.55 0.72 -3.24	58.89 1.42 -2.83	59.31 1.29 -2.60	81.25 1.86 -3.71	68.38 0.85 -2.82	59.61 0.81 -2.37	46.93 0.81 -1.55	46.28 0.35 -1.54	58.57 0.52 -2.68	65.04 0.32 -3.24	64.26 0.29 -3.06	54.92 0.45 -2.50	54.70 0.56 -2.48	53.26 0.79 -2.39	46.83 1.33 -1.93
WALDEN__HYDRO 24148	49.63 0.83 -0.30	41.74 0.98 -0.16	42.04 0.86 -0.73	30.22 0.75 0.00	29.99 0.76 -0.03	36.18 0.91 -0.17	54.31 1.27 -0.25	56.95 1.35 0.00	60.43 1.57 0.00	65.35 1.76 0.00	56.04 1.40 0.00	58.17 1.57 -1.18	79.41 2.30 -1.42	67.03 2.15 -0.16	58.18 1.74 0.00	45.92 1.36 0.00	45.86 1.47 0.00	57.59 2.21 0.00	63.84 2.36 0.00	62.85 1.94 0.00	53.47 1.52 0.00	53.08 1.41 0.00	52.01 1.34 -0.59	45.82 1.17 -1.09
WARRENSBURG____ 23737	49.18 1.02 0.33	41.36 0.93 0.17	40.63 1.00 0.81	30.29 0.82 0.00	30.04 0.88 0.03	35.96 1.03 0.18	53.83 1.32 0.28	57.02 1.42 0.00	60.53 1.67 0.00	65.34 1.75 0.00	56.08 1.43 0.00	55.45 1.32 1.30	76.10 1.97 1.56	66.40 1.86 0.17	58.04 1.60 0.00	45.79 1.22 0.00	45.68 1.29 0.00	57.36 1.99 0.00	63.55 2.06 0.00	62.97 2.06 0.00	53.61 1.66 0.00	53.15 1.48 0.00	50.61 1.27 0.75	43.22 1.02 1.37
WATERSIDE____6 8 9 23538	49.95 1.23 -0.22	42.19 1.45 -0.13	42.52 1.25 -0.83	30.54 1.07 0.00	30.30 1.14 0.03	36.56 1.33 -0.13	54.75 1.77 -0.19	57.35 1.92 0.17	122.84 2.31 -61.67	67.47 2.50 -1.37	56.96 2.04 -0.27	59.28 2.32 -1.53	80.58 3.21 -1.68	67.94 2.97 -0.25	59.13 2.47 -0.22	46.48 1.86 -0.06	46.38 1.93 -0.06	58.03 2.66 -0.01	64.22 2.73 0.00	63.27 2.24 -0.11	53.75 1.71 -0.09	53.36 1.59 -0.09	52.47 1.60 -0.79	46.34 1.43 -1.35
WATKINRD_115KV_LN8_ILLION 55919	48.54 0.04 0.00	40.69 0.08 0.00	40.53 0.08 0.00	29.56 0.09 0.00	29.29 0.10 0.00	35.22 0.11 0.00	52.94 0.16 0.00	55.77 0.17 0.00	59.02 0.16 0.00	63.78 0.19 0.00	54.79 0.15 0.00	55.58 0.16 0.00	75.99 0.30 0.00	65.01 0.29 0.00	56.66 0.22 0.00	44.76 0.20 0.00	44.62 0.22 0.00	55.78 0.40 0.00	61.80 0.32 0.00	61.16 0.24 0.00	52.15 0.20 0.00	51.82 0.15 0.00	50.18 0.10 0.00	43.61 0.04 0.00



WDELAWARE___HYD 323627	48.55 -0.18 -0.24	40.82 0.09 -0.13	41.03 0.00 -0.58	29.58 0.11 0.00	29.35 0.13 -0.03	35.37 0.13 -0.13	53.16 0.18 -0.20	55.83 0.23 0.00	59.25 0.39 0.00	64.08 0.49 0.00	54.96 0.31 0.00	56.78 0.42 -0.94	77.48 0.66 -1.13	65.64 0.80 -0.12	56.94 0.50 0.00	45.00 0.43 0.00	44.94 0.55 0.00	56.34 0.96 0.00	62.56 1.08 0.00	61.71 0.80 0.00	52.50 0.55 0.00	52.08 0.41 0.00	50.90 0.34 -0.48	44.69 0.25 -0.87
WEST BABYLON___IC 23714	49.32 0.88 0.05	42.39 1.59 -0.18	43.06 1.78 -0.84	30.87 1.40 0.00	30.47 1.24 -0.04	36.90 1.60 -0.19	54.71 1.63 -0.29	55.70 1.10 1.00	56.13 1.39 4.12	57.07 1.59 8.12	52.88 1.35 3.11	51.24 1.62 5.80	69.19 2.45 8.96	57.03 2.41 10.10	52.05 1.95 6.33	51.64 1.68 -5.39	52.29 1.82 -6.08	55.18 2.52 2.72	79.87 2.67 -15.71	58.26 2.13 4.78	55.85 1.74 -2.15	39.88 1.66 13.44	50.37 1.66 1.37	47.00 2.01 -1.43
WEST CANADA___HYD 24049	48.40 -0.09 0.00	40.57 -0.04 0.00	40.44 0.00 0.00	29.49 0.03 0.00	29.22 0.03 0.00	35.13 0.02 0.00	52.78 0.00 0.00	55.59 -0.01 0.00	58.86 0.00 0.00	63.59 0.00 0.00	54.64 0.00 0.00	55.43 0.00 0.00	75.76 0.07 0.00	64.81 0.10 0.00	56.49 0.06 0.00	44.61 0.05 0.00	44.48 0.09 0.00	55.59 0.22 0.00	61.60 0.11 0.00	60.93 0.01 0.00	51.98 0.02 0.00	51.67 0.00 0.00	50.03 -0.05 0.00	43.52 -0.05 0.00
WESTERN_NY_WIND 24143	53.73 2.84 -2.39	43.36 1.54 -1.21	43.10 1.50 -1.16	30.49 0.69 -0.33	30.21 0.74 -0.28	37.06 1.45 -0.50	57.87 2.00 -3.09	61.14 2.14 -3.40	63.93 1.86 -3.21	68.68 2.02 -3.07	59.59 2.25 -2.69	60.13 2.20 -2.51	82.21 2.94 -3.57	69.07 1.64 -2.72	60.25 1.53 -2.28	47.45 1.40 -1.49	47.17 1.32 -1.46	59.68 1.77 -2.54	66.71 2.16 -3.07	66.11 2.31 -2.90	56.35 2.02 -2.37	55.99 1.97 -2.34	54.33 1.98 -2.26	47.62 2.22 -1.83
WESTOVER___LESR 323668	51.97 0.46 -3.01	42.30 0.17 -1.53	42.10 0.20 -1.47	29.96 0.07 -0.42	29.67 0.12 -0.36	35.94 0.20 -0.63	57.22 0.52 -3.92	60.71 0.42 -4.69	63.56 0.27 -4.42	68.13 0.35 -4.18	58.61 0.35 -3.62	59.13 0.45 -3.26	80.96 0.61 -4.66	68.43 0.17 -3.54	59.70 0.29 -2.98	46.87 0.32 -1.99	46.66 0.27 -2.00	59.51 0.64 -3.49	66.21 0.50 -4.23	65.08 0.18 -4.00	55.56 0.33 -3.27	55.14 0.24 -3.23	53.47 0.27 -3.12	46.36 0.27 -2.53
WETHRSFD_WT_PWR 323626	52.73 1.56 -2.68	42.48 0.51 -1.36	42.23 0.48 -1.30	29.85 0.00 -0.37	29.58 0.07 -0.32	36.18 0.51 -0.56	57.02 0.77 -3.47	60.26 0.61 -4.05	62.84 0.16 -3.82	67.42 0.18 -3.64	58.05 0.23 -3.18	58.46 0.14 -2.89	80.24 0.42 -4.13	67.61 -0.25 -3.14	58.89 -0.18 -2.63	46.37 0.07 -1.74	45.83 -0.29 -1.73	58.45 0.06 -3.02	65.09 -0.05 -3.65	64.14 -0.22 -3.45	54.84 0.06 -2.82	54.59 0.13 -2.79	53.11 0.33 -2.70	46.55 0.80 -2.18
WHAVSTOR_138KV_BK127 55557	49.63 0.81 -0.32	41.79 1.01 -0.17	42.09 0.85 -0.80	30.22 0.75 0.00	30.00 0.78 -0.03	36.22 0.93 -0.18	54.33 1.27 -0.27	56.92 1.31 0.00	60.39 1.53 0.00	65.28 1.69 0.00	55.99 1.34 0.00	58.27 1.57 -1.28	79.56 2.34 -1.53	67.07 2.19 -0.17	58.19 1.75 0.00	45.94 1.37 0.00	45.88 1.49 0.00	57.60 2.23 0.00	63.86 2.37 0.00	62.79 1.88 0.00	53.34 1.39 0.00	52.96 1.29 0.00	52.10 1.28 -0.73	46.08 1.17 -1.34
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	49.63 0.81 -0.32	41.79 1.01 -0.17	42.09 0.85 -0.80	30.22 0.75 0.00	30.00 0.78 -0.03	36.22 0.93 -0.18	54.33 1.27 -0.27	56.92 1.31 0.00	60.39 1.53 0.00	65.28 1.69 0.00	55.99 1.34 0.00	58.27 1.57 -1.28	79.56 2.34 -1.53	67.07 2.19 -0.17	58.19 1.75 0.00	45.94 1.37 0.00	45.88 1.49 0.00	57.60 2.23 0.00	63.86 2.37 0.00	62.79 1.88 0.00	53.34 1.39 0.00	52.96 1.29 0.00	52.10 1.28 -0.73	46.08 1.17 -1.34
WHITEHAL_115KV_TB1 80871	50.58 2.43 0.34	42.48 2.05 0.18	41.77 2.16 0.83	31.35 1.88 0.00	31.14 1.98 0.03	37.36 2.44 0.19	55.52 3.02 0.29	58.73 3.13 0.00	62.35 3.49 0.00	67.27 3.67 0.00	57.64 2.99 0.00	56.67 2.58 1.33	78.08 3.99 1.60	68.00 3.46 0.18	59.42 2.98 0.00	46.93 2.36 0.00	46.81 2.42 0.00	58.83 3.46 0.00	65.28 3.80 0.00	64.44 3.53 0.00	54.87 2.92 0.00	54.21 2.54 0.00	51.61 2.30 0.77	44.10 1.94 1.41
WHITEPLN_13_KV_LOAD 356215	50.38 1.54 -0.34	42.41 1.62 -0.18	42.74 1.46 -0.84	30.67 1.20 0.00	30.45 1.22 -0.04	36.78 1.48 -0.19	55.19 2.12 -0.29	57.85 2.25 0.00	61.46 2.60 0.00	66.50 2.91 0.00	57.10 2.46 0.00	59.48 2.71 -1.35	81.18 3.88 -1.62	68.42 3.53 -0.18	59.38 2.94 0.00	46.90 2.33 0.00	46.83 2.44 0.00	58.71 3.34 0.00	65.03 3.55 0.00	63.98 3.07 0.00	54.31 2.36 0.00	53.90 2.23 0.00	52.97 2.11 -0.78	46.78 1.79 -1.42
WM_FLOYD_69_KV_BK2 356380	48.31 -0.08 0.10	41.65 0.86 -0.18	42.03 1.08 -0.51	30.39 0.93 0.00	30.03 0.80 -0.04	36.38 1.08 -0.19	53.89 0.82 -0.29	54.53 0.08 1.15	53.38 0.38 5.87	54.07 0.64 10.16	49.92 0.61 5.33	47.55 0.85 8.72	65.85 1.27 11.11	51.66 1.55 14.61	47.41 1.37 10.39	47.97 1.27 -2.15	48.65 1.41 -2.85	47.11 1.95 10.21	61.93 2.05 1.60	48.14 1.45 14.22	48.40 1.03 4.58	32.40 0.80 20.08	47.60 0.78 3.26	40.75 1.34 4.16
WOODARD___115KV_TB2 355635	52.99 -0.30 -4.79	42.67 -0.37 -2.43	42.38 -0.39 -2.33	29.82 -0.32 -0.66	29.48 -0.28 -0.57	35.85 -0.26 -1.01	58.77 -0.25 -6.23	62.95 -0.17 -7.51	65.77 -0.13 -7.03	70.03 -0.36 -6.80	60.23 -0.27 -5.87	60.37 -0.28 -5.22	82.67 -0.47 -7.45	69.88 -0.50 -5.67	60.81 -0.38 -4.76	47.51 -0.25 -3.19	47.44 -0.19 -3.24	60.98 -0.03 -5.64	68.17 -0.14 -6.82	67.14 -0.22 -6.45	57.07 -0.17 -5.28	56.67 -0.22 -5.22	54.86 -0.27 -5.04	47.41 -0.23 -4.08
WOODMERE_69_KV_BK1 55827	50.07 1.28 -0.30	42.61 1.81 -0.19	47.51 1.90 -5.17	31.00 1.48 -0.06	30.58 1.35 -0.04	37.00 1.69 -0.21	54.99 1.91 -0.30	57.34 1.61 -0.14	69.84 1.91 -9.08	78.34 2.27 -12.48	77.85 1.95 -21.26	83.03 2.19 -25.42	94.97 3.11 -16.16	112.08 2.90 -44.46	102.13 2.46 -43.23	91.69 2.09 -45.03	92.47 2.20 -45.88	147.49 3.10 -89.02	288.68 3.28 -223.91	174.43 2.69 -110.82	138.82 2.16 -84.71	111.14 1.92 -57.55	74.90 1.96 -22.85	124.11 2.17 -78.36
YORK___WARBASSE 23770	51.01 1.58 -0.94	42.72 1.69 -0.42	42.86 1.52 -0.90	30.83 1.22 -0.15	30.96 1.35 -0.41	37.14 1.52 -0.51	55.73 2.16 -0.79	58.75 2.33 -0.82	153.38 2.75 -91.77	70.60 2.95 -4.06	58.70 2.47 -1.59	60.58 2.73 -2.43	81.20 3.55 -1.97	68.59 3.27 -0.61	60.59 2.89 -1.27	47.10 2.19 -0.35	46.98 2.25 -0.33	58.40 2.99 -0.04	64.57 3.08 0.00	64.26 2.70 -0.65	54.56 2.09 -0.52	54.16 1.97 -0.51	53.19 1.95 -1.16	47.14 1.68 -1.90