

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/24/2026

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	37.15	34.13	30.15	32.34	30.35	31.90	29.31	31.09	30.69	33.15	34.71	34.76	34.96	33.58	34.75	34.54	34.14	34.29	35.78	36.96	35.26	35.84	33.31	33.21
24138	-0.84	-1.18	-0.12	0.05	-0.65	-0.71	-0.67	-0.60	0.54	0.00	0.96	1.52	1.68	1.19	0.99	0.83	1.37	2.14	2.12	2.18	1.59	1.01	1.06	0.22
	-52.76	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.49	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
74TH STREET_GT_1	37.15	34.12	30.15	32.34	30.35	31.90	29.31	31.10	30.69	33.15	34.70	34.74	34.94	33.57	34.73	34.53	34.11	34.24	35.74	36.93	35.24	35.83	33.30	33.21
24260	-0.84	-1.19	-0.12	0.05	-0.65	-0.71	-0.67	-0.59	0.54	0.00	0.95	1.50	1.66	1.17	0.97	0.81	1.35	2.10	2.08	2.15	1.57	0.99	1.04	0.22
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
74TH STREET_GT_2	37.15	34.12	30.15	32.34	30.35	31.90	29.31	31.10	30.69	33.15	34.70	34.74	34.94	33.57	34.73	34.53	34.11	34.24	35.74	36.93	35.24	35.83	33.30	33.21
24261	-0.84	-1.19	-0.12	0.05	-0.65	-0.71	-0.67	-0.59	0.54	0.00	0.95	1.50	1.66	1.17	0.97	0.81	1.35	2.10	2.08	2.15	1.57	0.99	1.04	0.22
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
ADK HUDSON___FALLS	46.02	43.71	35.72	37.74	37.57	39.53	36.22	38.15	34.41	38.85	38.03	36.53	36.27	36.06	37.94	38.17	36.40	34.62	36.30	37.46	37.14	39.33	36.18	38.31
24011	-1.02	-1.33	-0.14	0.07	-0.74	-0.84	-0.73	-0.67	0.58	0.00	1.07	1.56	1.74	1.06	0.90	0.80	1.39	2.29	2.62	2.65	1.75	1.25	1.28	0.27
	-61.82	-66.46	-38.17	-36.72	-49.86	-52.97	-47.65	-48.72	-25.18	-38.96	-21.92	-11.83	-8.56	-17.82	-22.44	-24.96	-15.29	-1.27	-0.11	-0.15	-11.76	-22.13	-18.04	-34.46
ADK RESOURCE___RCVRY	45.90	43.62	35.72	37.75	37.52	39.47	36.17	38.11	34.47	38.87	38.17	36.71	36.52	36.20	38.06	38.29	36.59	34.93	36.65	37.79	37.36	39.50	36.36	38.35
23798	-1.16	-1.44	-0.15	0.08	-0.80	-0.92	-0.80	-0.73	0.63	0.00	1.20	1.73	1.98	1.19	1.01	0.91	1.58	2.59	2.98	2.98	1.96	1.42	1.46	0.31
	-61.84	-66.49	-38.18	-36.73	-49.88	-52.99	-47.66	-48.74	-25.19	-38.97	-21.93	-11.83	-8.57	-17.82	-22.45	-24.96	-15.29	-1.27	-0.11	-0.15	-11.77	-22.13	-18.04	-34.47
ADK S GLENS___FALLS	46.02	43.71	35.72	37.74	37.57	39.53	36.22	38.15	34.41	38.85	38.03	36.53	36.27	36.06	37.94	38.17	36.40	34.62	36.30	37.46	37.14	39.33	36.18	38.31
24028	-1.02	-1.33	-0.14	0.07	-0.74	-0.84	-0.73	-0.67	0.58	0.00	1.07	1.56	1.74	1.06	0.90	0.80	1.39	2.29	2.62	2.65	1.75	1.25	1.28	0.27
	-61.82	-66.46	-38.17	-36.72	-49.86	-52.97	-47.65	-48.72	-25.18	-38.96	-21.92	-11.83	-8.56	-17.82	-22.44	-24.96	-15.29	-1.27	-0.11	-0.15	-11.76	-22.13	-18.04	-34.46
ADK_NYS___DAM	44.63	42.27	34.70	36.70	36.37	38.29	35.12	37.02	33.51	37.78	37.02	35.64	35.44	35.21	37.03	37.20	35.40	33.51	35.05	36.11	36.08	38.21	35.22	37.27
23527	-0.71	-0.94	-0.11	0.05	-0.56	-0.62	-0.52	-0.47	0.36	0.00	0.67	0.99	1.14	0.69	0.60	0.52	0.82	1.21	1.38	1.31	1.01	0.75	0.81	0.18
	-60.11	-64.63	-37.12	-35.71	-48.49	-51.51	-46.33	-47.38	-24.49	-37.89	-21.32	-11.50	-8.33	-17.33	-21.82	-24.27	-14.87	-1.24	-0.11	-0.15	-11.44	-21.52	-17.54	-33.51
AIR_PRODUCTS___DRP	45.00	42.73	34.74	36.67	36.62	38.57	35.35	37.23	33.29	37.78	36.63	35.07	34.78	34.81	36.68	36.89	34.93	32.83	34.27	35.33	35.48	37.75	34.75	37.18
24190	-0.31	-0.46	-0.06	0.02	-0.30	-0.32	-0.27	-0.24	0.15	0.00	0.28	0.43	0.48	0.30	0.26	0.21	0.35	0.54	0.59	0.53	0.42	0.30	0.36	0.10
	-60.09	-64.61	-37.11	-35.70	-48.47	-51.50	-46.32	-47.37	-24.48	-37.87	-21.31	-11.49	-8.32	-17.32	-21.82	-24.26	-14.86	-1.24	-0.11	-0.15	-11.43	-21.51	-17.53	-33.50
AKWESSNE_115KV_BK	-14.77	-21.39	-2.31	0.96	-11.45	-12.47	-10.58	-9.78	8.59	-0.11	14.88	22.95	25.78	17.07	14.52	12.35	19.60	30.85	33.35	34.48	23.49	15.86	16.77	3.55
355683	0.00	0.03	0.00	0.02	0.11	0.14	0.11	0.12	-0.06	-0.01	-0.16	-0.21	-0.19	-0.11	-0.08	-0.06	-0.12	-0.21	-0.21	-0.17	-0.14	-0.09	-0.09	-0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	43.99	41.56	34.23	36.23	35.82	37.70	34.58	36.45	33.14	37.29	36.63	35.35	35.10	34.87	36.63	36.79	35.07	33.39	34.87	35.98	35.78	37.78	34.82	36.80
323833	-0.56	-0.81	-0.09	0.04	-0.48	-0.53	-0.45	-0.41	0.32	0.00	0.55	0.85	0.90	0.58	0.49	0.42	0.68	1.11	1.20	1.19	0.86	0.60	0.65	0.15
	-59.33	-63.78	-36.63	-35.24	-47.85	-50.84	-45.73	-46.76	-24.17	-37.39	-21.04	-11.35	-8.22	-17.10	-21.54	-23.95	-14.67	-1.22	-0.10	-0.14	-11.29	-21.23	-17.31	-33.07
ALBANY_2_SOLAR	44.00	41.57	34.23	36.23	35.82	37.71	34.59	36.46	33.14	37.29	36.62	35.35	35.09	34.87	36.63	36.79	35.07	33.39	34.86	35.97	35.77	37.77	34.81	36.80
323834	-0.55	-0.80	-0.09	0.04	-0.47	-0.52	-0.45	-0.41	0.32	0.00	0.54	0.85	0.90	0.58	0.49	0.42	0.67	1.11	1.19	1.17	0.86	0.59	0.64	0.15
	-59.33	-63.79	-36.63	-35.24	-47.86	-50.84	-45.73	-46.76	-24.17	-37.39	-21.04	-11.35	-8.22	-17.10	-21.54	-23.95	-14.67	-1.22	-0.10	-0.14	-11.29	-21.23	-17.31	-33.07
ALBANY___1	45.00	42.73	34.74	36.67	36.62	38.57	35.35	37.23	33.29	37.78	36.63	35.07	34.78	34.81	36.68	36.89	34.93	32.83	34.27	35.33	35.48	37.75	34.75	37.18
23571	-0.31	-0.46	-0.06	0.02	-0.30	-0.32	-0.27	-0.24	0.15	0.00	0.28	0.43	0.48	0.30	0.26	0.21	0.35	0.54	0.59	0.53	0.42	0.30	0.36	0.10
	-60.09	-64.61	-37.11	-35.70	-48.47	-51.50	-46.32	-47.37	-24.48	-37.87	-21.31	-11.49	-8.32	-17.32	-21.82	-24.26	-14.86	-1.24	-0.11	-0.15	-11.43	-21.51	-17.53	-33.50

ALBANY___2 23572	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.43 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.83 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
ALBANY___3 23573	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.43 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.83 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
ALBANY___4 23574	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.43 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.83 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
ALBANY___LFGE 323615	45.36 -0.44 -60.57	43.08 -0.62 -65.12	35.02 -0.07 -37.40	36.95 0.03 -35.98	36.91 -0.39 -48.86	38.88 -0.42 -51.91	35.63 -0.36 -46.68	37.52 -0.33 -47.74	33.56 0.23 -24.67	38.07 0.00 -38.17	36.95 0.43 -21.48	35.39 0.65 -11.59	35.10 0.74 -8.39	35.11 0.47 -17.46	37.00 0.40 -21.99	37.21 0.34 -24.45	35.24 0.54 -14.98	33.16 0.85 -1.25	34.60 0.93 -0.11	35.68 0.88 -0.15	35.80 0.65 -11.52	38.08 0.45 -21.68	35.05 0.52 -17.67	37.47 0.13 -33.76
ALCOA_PA_115KV_PL-6C 55860	-14.80 -0.02 0.00	-21.44 -0.01 0.00	-2.31 0.00 0.00	0.97 0.02 0.00	-11.48 0.08 0.00	-12.50 0.11 0.00	-10.60 0.09 0.00	-9.80 0.10 0.00	8.61 -0.04 0.00	-0.11 -0.01 0.00	14.89 -0.15 0.00	22.97 -0.19 0.00	25.82 -0.16 0.00	17.10 -0.09 0.00	14.55 -0.06 0.00	12.37 -0.04 0.00	19.62 -0.10 0.00	30.89 -0.17 0.00	33.41 -0.16 0.00	34.56 -0.10 0.00	23.54 -0.09 0.00	15.91 -0.04 0.00	16.82 -0.04 0.00	3.56 -0.02 0.00
ALCOA_RYNLDS___DRP 24188	-14.80 -0.02 0.00	-21.44 -0.01 0.00	-2.31 0.00 0.00	0.97 0.02 0.00	-11.48 0.08 0.00	-12.50 0.11 0.00	-10.60 0.09 0.00	-9.80 0.10 0.00	8.61 -0.04 0.00	-0.11 0.00 0.00	14.89 -0.15 0.00	22.97 -0.19 0.00	25.82 -0.16 0.00	17.10 -0.09 0.00	14.55 -0.06 0.00	12.37 -0.04 0.00	19.62 -0.10 0.00	30.89 -0.17 0.00	33.41 -0.16 0.00	34.55 -0.10 0.00	23.54 -0.09 0.00	15.91 -0.04 0.00	16.82 -0.04 0.00	3.56 -0.02 0.00
ALCOA___DSASP 323711	-14.80 -0.02 0.00	-21.44 -0.01 0.00	-2.31 0.00 0.00	0.97 0.02 0.00	-11.48 0.08 0.00	-12.50 0.11 0.00	-10.60 0.09 0.00	-9.80 0.10 0.00	8.61 -0.04 0.00	-0.11 0.00 0.00	14.89 -0.15 0.00	22.97 -0.19 0.00	25.82 -0.16 0.00	17.10 -0.09 0.00	14.55 -0.06 0.00	12.37 -0.04 0.00	19.62 -0.10 0.00	30.89 -0.17 0.00	33.41 -0.16 0.00	34.55 -0.10 0.00	23.54 -0.09 0.00	15.91 -0.04 0.00	16.82 -0.04 0.00	3.56 -0.02 0.00
ALLEGHENY___COGEN 23514	0.81 0.01 -15.58	-11.76 0.03 -9.63	3.68 0.00 -5.98	6.23 -0.04 -5.32	-4.55 -0.21 -7.22	-5.24 -0.30 -7.68	-4.09 -0.30 -6.90	-3.14 -0.30 -7.06	12.38 0.08 -3.65	5.86 -0.01 -5.98	35.43 -0.13 -20.52	31.72 -0.37 -8.94	26.71 -0.51 -1.24	19.45 -0.32 -2.58	17.69 -0.17 -3.25	15.82 -0.21 -3.61	21.70 -0.23 -2.22	31.22 -0.03 -0.18	34.14 0.56 -0.02	35.50 0.82 -0.02	25.86 0.53 -1.70	19.47 0.32 -3.21	19.80 0.32 -2.61	8.64 0.07 -4.99
ALTAMONT_115KV_TB 2 55880	44.79 -0.40 -59.96	42.46 -0.58 -64.47	34.65 -0.07 -37.03	36.59 0.02 -35.62	36.46 -0.35 -48.37	38.40 -0.38 -51.39	35.20 -0.32 -46.22	37.07 -0.29 -47.26	33.31 0.23 -24.43	37.69 0.01 -37.79	36.73 0.42 -21.26	35.27 0.65 -11.47	34.99 0.71 -8.31	34.93 0.46 -17.28	36.76 0.39 -21.77	36.95 0.33 -24.21	35.08 0.53 -14.83	33.14 0.84 -1.23	34.58 0.91 -0.11	35.68 0.87 -0.15	35.70 0.66 -11.41	37.86 0.45 -21.46	34.84 0.48 -17.49	37.11 0.11 -33.42
ALTONA_WT_PWR 323606	-14.81 -0.03 0.00	-21.39 0.03 0.00	-2.31 0.01 0.00	0.97 0.03 0.00	-11.35 0.21 0.00	-12.31 0.30 0.00	-10.41 0.29 0.00	-9.61 0.29 0.00	8.45 -0.21 0.00	-0.11 0.00 0.00	14.67 -0.37 0.00	22.65 -0.50 0.00	25.45 -0.52 0.00	16.86 -0.33 0.00	14.36 -0.25 0.00	12.26 -0.15 0.00	19.43 -0.29 0.00	30.67 -0.39 0.00	33.28 -0.29 0.00	34.44 -0.21 0.00	23.52 -0.10 0.00	15.88 -0.06 0.00	16.77 -0.09 0.00	3.55 -0.03 0.00
AMERICAN_REF_FUEL 24010	-7.65 0.80 -6.32	-11.39 1.14 -8.89	2.94 0.11 -5.15	5.72 -0.14 -4.91	-4.70 0.19 -6.67	-5.37 0.15 -7.09	-4.20 0.13 -6.37	-3.30 0.08 -6.52	11.67 -0.36 -3.37	5.00 0.00 -5.11	12.15 -0.66 2.23	21.38 -1.20 0.57	25.65 -1.47 -1.15	18.59 -0.98 -2.38	16.73 -0.87 -3.00	14.89 -0.86 -3.34	20.28 -1.48 -2.05	29.00 -2.23 -0.17	31.09 -2.49 -0.01	32.12 -2.56 -0.02	23.23 -1.97 -1.57	17.52 -1.38 -2.96	17.97 -1.30 -2.41	7.94 -0.24 -4.61
ARKWRIGHT___SUMMIT_WT_PWR 323751	-6.43 1.14 -7.21	-9.92 1.56 -9.95	3.63 0.17 -5.77	6.36 -0.08 -5.50	-3.68 0.41 -7.46	-4.32 0.36 -7.93	-3.26 0.30 -7.13	-2.42 0.19 -7.29	12.07 -0.35 -3.76	5.62 0.00 -5.72	12.41 -0.55 2.07	21.81 -0.87 0.46	26.26 -0.99 -1.28	19.14 -0.71 -2.66	17.41 -0.55 -3.36	15.72 -0.43 -3.73	21.36 -0.64 -2.29	30.23 -1.02 -0.19	32.47 -1.11 -0.02	33.79 -0.89 -0.02	24.60 -0.79 -1.76	18.61 -0.65 -3.31	18.80 -0.76 -2.70	8.60 -0.14 -5.16
ARTHUR KILL_GT_1 23520	37.14 -0.85 -52.77	34.11 -1.20 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.35 -0.65 -42.56	31.90 -0.71 -45.22	29.30 -0.67 -40.67	31.09 -0.60 -41.59	30.70 0.55 -21.50	33.15 0.00 -33.25	34.68 0.93 -18.71	34.73 1.48 -10.09	34.92 1.63 -7.31	33.55 1.16 -15.21	34.70 0.94 -19.16	34.50 0.79 -21.30	34.09 1.32 -13.05	34.23 2.08 -1.09	35.72 2.06 -0.09	36.90 2.11 -0.13	35.23 1.56 -10.04	35.82 0.99 -18.89	33.31 1.05 -15.40	33.21 0.22 -29.41
ARTHUR_KILL_2 23512	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.34 0.04 -31.35	30.38 -0.62 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.64 0.89 -18.71	34.66 1.41 -10.09	34.84 1.56 -7.31	33.51 1.11 -15.21	34.67 0.91 -19.16	34.48 0.76 -21.30	34.04 1.27 -13.05	34.15 2.01 -1.09	35.62 1.97 -0.09	36.81 2.03 -0.13	35.16 1.49 -10.04	35.78 0.94 -18.89	33.26 1.00 -15.40	33.21 0.21 -29.41
ARTHUR_KILL_3 23513	37.26 -0.73 -52.77	34.30 -1.01 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.45 -0.56 -42.56	32.00 -0.61 -45.22	29.39 -0.58 -40.67	31.18 -0.51 -41.59	30.62 0.47 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.52 1.28 -10.09	34.69 1.41 -7.31	33.40 1.01 -15.21	34.59 0.83 -19.16	34.41 0.69 -21.30	33.93 1.16 -13.05	33.96 1.82 -1.09	35.43 1.77 -0.09	36.61 1.82 -0.13	35.03 1.36 -10.04	35.68 0.85 -18.89	33.15 0.89 -15.40	33.18 0.19 -29.41

ARTHUR_KILL_COGEN 323718	37.13 -0.86 -52.77	34.10 -1.20 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.36 -0.65 -42.56	31.90 -0.71 -45.22	29.30 -0.67 -40.67	31.09 -0.60 -41.59	30.70 0.55 -21.50	33.15 0.00 -33.25	34.69 0.93 -18.71	34.72 1.48 -10.09	34.92 1.63 -7.31	33.55 1.16 -15.21	34.70 0.94 -19.16	34.50 0.79 -21.30	34.09 1.32 -13.05	34.24 2.10 -1.09	35.72 2.06 -0.09	36.90 2.11 -0.13	35.23 1.56 -10.04	35.83 0.99 -18.89	33.31 1.05 -15.40	33.21 0.22 -29.41
ASHOKAN____ 23654	41.42 -0.53 -56.73	38.84 -0.73 -61.00	32.64 -0.08 -35.03	34.72 0.07 -33.70	33.81 -0.40 -45.76	35.57 -0.44 -48.62	32.63 -0.40 -43.73	34.45 -0.37 -44.72	32.20 0.43 -23.11	35.68 0.03 -35.76	35.87 0.72 -20.12	35.14 1.13 -10.85	35.11 1.28 -7.86	34.36 0.82 -16.35	35.88 0.69 -20.60	35.89 0.57 -22.90	34.73 0.98 -14.03	34.04 1.81 -1.17	35.59 1.92 -0.10	36.71 1.92 -0.14	35.60 1.18 -10.80	37.00 0.75 -20.30	34.15 0.74 -16.55	35.36 0.16 -31.62
ASTORIA_EAST_ENERGY_CC1 323581	37.27 -0.72 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.43 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.17 -0.52 -41.59	30.64 0.49 -21.50	33.16 0.02 -33.25	34.55 0.80 -18.71	34.59 1.34 -10.09	34.77 1.49 -7.31	33.48 1.08 -15.21	34.61 0.85 -19.16	34.44 0.73 -21.30	33.98 1.22 -13.05	34.07 1.92 -1.09	35.48 1.82 -0.09	36.58 1.80 -0.13	35.01 1.34 -10.04	35.68 0.85 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA_EAST_ENERGY_CC2 323582	37.26 -0.73 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.02 -33.25	34.55 0.80 -18.71	34.59 1.34 -10.09	34.77 1.49 -7.31	33.48 1.08 -15.21	34.61 0.85 -19.16	34.44 0.73 -21.30	33.98 1.22 -13.05	34.07 1.92 -1.09	35.48 1.82 -0.09	36.58 1.80 -0.13	35.01 1.34 -10.04	35.68 0.85 -18.89	33.24 0.98 -15.40	33.20 0.21 -29.41
ASTORIA_GT2_1 24094	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT2_2 24095	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT2_3 24096	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT2_4 24097	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT3_1 24098	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT3_2 24099	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT3_3 24100	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT3_4 24101	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT4_1 24102	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT4_2 24103	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT4_3 24104	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41

ASTORIA_GT4_4 24105	37.26 -0.72 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.10 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	33.99 1.23 -13.05	34.07 1.92 -1.09	35.50 1.84 -0.09	36.61 1.82 -0.13	35.02 1.35 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA_GT_1 23523	37.25 -0.74 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.58 0.83 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.52 1.13 -15.21	34.65 0.89 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.98 -1.09	35.56 1.90 -0.09	36.66 1.87 -0.13	35.06 1.39 -10.04	35.72 0.88 -18.89	33.27 1.01 -15.40	33.21 0.22 -29.41
ASTORIA_GT_10 24110	37.25 -0.74 -52.77	34.25 -1.06 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.50 -21.50	33.16 0.01 -33.25	34.60 0.84 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.08 1.94 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.43 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA_GT_11 24225	37.25 -0.74 -52.77	34.25 -1.06 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.50 -21.50	33.16 0.01 -33.25	34.60 0.84 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.08 1.94 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.43 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA_GT_12 24226	37.25 -0.74 -52.77	34.25 -1.06 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.50 -21.50	33.16 0.01 -33.25	34.60 0.84 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.08 1.94 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.43 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA_GT_13 24227	37.25 -0.74 -52.77	34.25 -1.06 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.50 -21.50	33.16 0.01 -33.25	34.60 0.84 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.08 1.94 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.43 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA_GT_5 24106	37.25 -0.74 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.58 0.83 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.52 1.13 -15.21	34.65 0.89 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.98 -1.09	35.56 1.90 -0.09	36.66 1.87 -0.13	35.06 1.39 -10.04	35.72 0.88 -18.89	33.27 1.01 -15.40	33.21 0.22 -29.41
ASTORIA_GT_7 24107	37.25 -0.74 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.58 0.83 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.52 1.13 -15.21	34.65 0.89 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.98 -1.09	35.56 1.90 -0.09	36.66 1.87 -0.13	35.06 1.39 -10.04	35.72 0.88 -18.89	33.27 1.01 -15.40	33.21 0.22 -29.41
ASTORIA_GT_8 24108	37.25 -0.74 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.58 0.83 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.52 1.13 -15.21	34.65 0.89 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.98 -1.09	35.56 1.90 -0.09	36.66 1.87 -0.13	35.06 1.39 -10.04	35.72 0.88 -18.89	33.27 1.01 -15.40	33.21 0.22 -29.41
ASTORIA___2 24149	37.26 -0.73 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.98 -0.63 -45.22	29.38 -0.60 -40.67	31.16 -0.53 -41.59	30.64 0.50 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.49 1.09 -15.21	34.62 0.86 -19.16	34.45 0.73 -21.30	34.00 1.23 -13.05	34.08 1.94 -1.09	35.50 1.84 -0.09	36.60 1.82 -0.13	35.01 1.34 -10.04	35.69 0.86 -18.89	33.24 0.99 -15.40	33.20 0.21 -29.41
ASTORIA___3 23516	37.25 -0.74 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.60 0.85 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.10 1.95 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.42 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA___4 23517	37.25 -0.74 -52.77	34.25 -1.06 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.50 -21.50	33.16 0.01 -33.25	34.60 0.84 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.08 1.94 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.43 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
ASTORIA___5 23518	37.25 -0.74 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.60 0.85 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.10 1.95 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.42 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
AST_ENERGY_2_CC3 323677	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.16 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.47 1.07 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	34.00 1.23 -13.05	34.07 1.93 -1.09	35.54 1.88 -0.09	36.72 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
AST_ENERGY_2_CC4 323678	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.16 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.47 1.07 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	34.00 1.23 -13.05	34.07 1.93 -1.09	35.54 1.88 -0.09	36.72 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41

ATHENS_STG_1 23668	40.06	37.32	31.78	33.85	32.67	34.36	31.57	33.37	31.50	34.78	35.23	34.62	34.61	33.80	35.25	35.22	34.17	33.40	34.88	36.00	35.05	36.34	33.62	34.56
	-0.51	-0.76	-0.08	0.03	-0.42	-0.46	-0.40	-0.36	0.30	0.00	0.57	0.88	0.97	0.66	0.55	0.46	0.76	1.20	1.22	1.21	0.89	0.58	0.61	0.13
	-55.34	-59.50	-34.17	-32.88	-44.65	-47.43	-42.66	-43.62	-22.55	-34.88	-19.63	-10.59	-7.67	-15.95	-20.09	-22.34	-13.69	-1.14	-0.10	-0.13	-10.53	-19.81	-16.15	-30.85
ATHENS_STG_2 23670	40.06	37.32	31.78	33.85	32.67	34.36	31.57	33.37	31.50	34.78	35.23	34.62	34.61	33.80	35.25	35.22	34.17	33.40	34.88	36.00	35.05	36.34	33.62	34.56
	-0.51	-0.76	-0.08	0.03	-0.42	-0.46	-0.40	-0.36	0.30	0.00	0.57	0.88	0.97	0.66	0.55	0.46	0.76	1.20	1.22	1.21	0.89	0.58	0.61	0.13
	-55.34	-59.50	-34.17	-32.88	-44.65	-47.43	-42.66	-43.62	-22.55	-34.88	-19.63	-10.59	-7.67	-15.95	-20.09	-22.34	-13.69	-1.14	-0.10	-0.13	-10.53	-19.81	-16.15	-30.85
ATHENS_STG_3 23677	40.06	37.32	31.78	33.85	32.67	34.36	31.57	33.37	31.50	34.78	35.23	34.62	34.61	33.80	35.25	35.22	34.17	33.40	34.88	36.00	35.05	36.34	33.62	34.56
	-0.51	-0.76	-0.08	0.03	-0.42	-0.46	-0.40	-0.36	0.30	0.00	0.57	0.88	0.97	0.66	0.55	0.46	0.76	1.20	1.22	1.21	0.89	0.58	0.61	0.13
	-55.34	-59.50	-34.17	-32.88	-44.65	-47.43	-42.66	-43.62	-22.55	-34.88	-19.63	-10.59	-7.67	-15.95	-20.09	-22.34	-13.69	-1.14	-0.10	-0.13	-10.53	-19.81	-16.15	-30.85
AUBURN____LFGE 323710	-7.85	-14.00	1.99	5.08	-6.05	-6.79	-5.42	-4.54	11.57	4.28	17.57	24.51	26.99	19.19	17.09	15.24	21.48	31.37	33.80	34.95	25.06	18.54	18.91	7.47
	-0.04	-0.07	0.00	-0.01	-0.11	-0.15	-0.09	-0.13	0.08	0.00	0.06	0.02	0.05	-0.01	-0.04	0.01	0.04	0.16	0.22	0.27	0.11	0.10	0.02	0.01
	-6.96	-7.49	-4.30	-4.14	-5.62	-5.97	-5.37	-5.49	-2.84	-4.39	-2.47	-1.33	-0.96	-2.01	-2.53	-2.81	-1.72	-0.14	-0.01	-0.02	-1.33	-2.49	-2.03	-3.88
BABYLON_RES_REC 323704	36.95	33.86	30.13	32.35	30.26	31.87	29.25	31.04	30.70	33.16	35.01	35.20	35.40	33.86	35.04	34.75	34.45	34.76	36.10	37.49	35.60	36.01	33.51	33.24
	-1.04	-1.45	-0.14	0.05	-0.75	-0.75	-0.73	-0.66	0.55	0.01	1.26	1.95	2.11	1.46	1.28	1.03	1.68	2.61	2.44	2.70	1.93	1.17	1.25	0.25
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BALL_HILL_WT_PWR 323825	-7.52	-10.61	3.43	6.22	-4.06	-4.74	-3.62	-2.74	12.05	5.44	11.09	21.26	26.23	19.11	17.32	15.54	21.09	29.96	32.13	33.31	24.22	18.37	18.66	8.45
	0.81	1.12	0.13	-0.09	0.22	0.14	0.12	0.05	-0.27	0.00	-0.45	-0.82	-0.99	-0.68	-0.55	-0.52	-0.86	-1.29	-1.45	-1.37	-1.12	-0.80	-0.83	-0.15
	-6.45	-9.70	-5.61	-5.36	-7.28	-7.73	-6.95	-7.11	-3.67	-5.55	3.51	1.07	-1.25	-2.60	-3.27	-3.64	-2.23	-0.19	-0.02	-0.02	-1.72	-3.23	-2.63	-5.03
BARON_WINDS____WT_PWR 323822	-14.14	-8.08	3.89	7.48	-2.07	-2.61	-1.76	-0.84	12.79	6.34	-11.76	11.57	26.07	19.44	17.99	16.33	21.75	30.41	32.74	33.83	24.97	19.35	19.55	9.69
	0.98	1.37	0.16	-0.08	0.51	0.46	0.35	0.28	-0.40	0.00	-0.71	-1.19	-1.45	-0.95	-0.66	-0.58	-0.72	-0.88	-0.84	-0.86	-0.77	-0.58	-0.55	-0.10
	0.35	-11.97	-6.05	-6.61	-8.98	-9.54	-8.58	-8.78	-4.54	-6.44	26.09	10.39	-1.54	-3.21	-4.04	-4.49	-2.76	-0.23	-0.02	-0.03	-2.12	-3.99	-3.25	-6.20
BARRETT_IC_1 23704	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_10 23701	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_11 23702	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_12 23703	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_2 23705	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_3 23706	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_4 23707	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
BARRETT_IC_5 23708	37.15	34.14	30.16	32.33	30.40	32.02	29.41	31.18	30.59	33.16	34.79	34.88	35.05	33.61	34.84	34.57	34.17	34.31	35.65	36.93	35.26	35.82	33.28	33.20
	-0.84	-1.17	-0.11	0.04	-0.61	-0.59	-0.57	-0.51	0.44	0.01	1.03	1.63	1.77	1.22	1.08	0.86	1.40	2.16	1.99	2.14	1.59	0.98	1.03	0.20
	-52.77	-56.74	-32.59	-31.35	-42.57	-45.22	-40.67	-41.59	-21.50	-33.26	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41

BARRETT_IC_6 23709	37.15 -0.84 -52.77	34.14 -1.17 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.40 -0.61 -42.57	32.02 -0.59 -45.22	29.41 -0.57 -40.67	31.18 -0.51 -41.59	30.59 0.44 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.88 1.63 -10.09	35.05 1.77 -7.31	33.61 1.22 -15.21	34.84 1.08 -19.16	34.57 0.86 -21.30	34.17 1.40 -13.05	34.31 2.16 -1.09	35.65 1.99 -0.09	36.93 2.14 -0.13	35.26 1.59 -10.04	35.82 0.98 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
BARRETT_IC_7 23710	37.16 -0.84 -52.77	34.14 -1.17 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.40 -0.61 -42.57	32.02 -0.59 -45.22	29.41 -0.57 -40.67	31.18 -0.51 -41.59	30.59 0.44 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.88 1.63 -10.09	35.05 1.77 -7.31	33.61 1.22 -15.21	34.84 1.08 -19.16	34.57 0.86 -21.30	34.17 1.39 -13.05	34.30 2.15 -1.09	35.64 1.98 -0.09	36.93 2.14 -0.13	35.26 1.59 -10.04	35.82 0.98 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
BARRETT_IC_8 23711	37.15 -0.84 -52.77	34.14 -1.17 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.40 -0.61 -42.57	32.02 -0.59 -45.22	29.41 -0.57 -40.67	31.18 -0.51 -41.59	30.59 0.44 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.88 1.63 -10.09	35.05 1.77 -7.31	33.61 1.22 -15.21	34.84 1.08 -19.16	34.57 0.86 -21.30	34.17 1.40 -13.05	34.31 2.16 -1.09	35.65 1.99 -0.09	36.93 2.14 -0.13	35.26 1.59 -10.04	35.82 0.98 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
BARRETT_IC_9 23700	37.15 -0.84 -52.77	34.14 -1.17 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.40 -0.61 -42.57	32.02 -0.59 -45.22	29.41 -0.57 -40.67	31.18 -0.51 -41.59	30.59 0.44 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.88 1.63 -10.09	35.05 1.77 -7.31	33.61 1.22 -15.21	34.84 1.08 -19.16	34.57 0.86 -21.30	34.17 1.40 -13.05	34.31 2.16 -1.09	35.65 1.99 -0.09	36.93 2.14 -0.13	35.26 1.59 -10.04	35.82 0.98 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
BARRETT___1 23545	37.15 -0.84 -52.77	34.14 -1.17 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.40 -0.61 -42.57	32.02 -0.59 -45.22	29.41 -0.57 -40.67	31.18 -0.51 -41.59	30.59 0.44 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.88 1.63 -10.09	35.05 1.77 -7.31	33.61 1.22 -15.21	34.84 1.08 -19.16	34.57 0.86 -21.30	34.17 1.40 -13.05	34.31 2.16 -1.09	35.65 1.99 -0.09	36.93 2.14 -0.13	35.26 1.59 -10.04	35.82 0.98 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
BARRETT___2 23546	37.15 -0.84 -52.77	34.14 -1.17 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.40 -0.61 -42.57	32.02 -0.59 -45.22	29.41 -0.57 -40.67	31.18 -0.51 -41.59	30.59 0.44 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.88 1.63 -10.09	35.05 1.77 -7.31	33.61 1.22 -15.21	34.84 1.08 -19.16	34.57 0.86 -21.30	34.17 1.40 -13.05	34.31 2.16 -1.09	35.65 1.99 -0.09	36.93 2.14 -0.13	35.26 1.59 -10.04	35.82 0.98 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
BATAVIA___115KV_TB1 55881	-8.28 0.27 -6.23	-12.90 0.38 -8.14	2.44 0.03 -4.72	5.36 -0.08 -4.50	-5.59 -0.13 -6.10	-6.33 -0.20 -6.49	-5.04 -0.18 -5.83	-4.13 -0.20 -5.97	11.65 -0.09 -3.08	4.59 -0.01 -4.70	14.03 -0.18 0.83	22.60 -0.53 0.02	26.26 -0.77 -1.05	18.89 -0.48 -2.18	16.89 -0.46 -2.75	15.00 -0.47 -3.06	20.74 -0.85 -1.87	30.21 -1.00 -0.16	32.64 -0.94 -0.01	33.82 -0.86 -0.02	24.36 -0.70 -1.44	18.16 -0.50 -2.71	18.62 -0.45 -2.21	7.71 -0.08 -4.22
BAYONEEC___CTG1 323682	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG10 323750	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG2 323683	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG3 323684	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG4 323685	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG5 323686	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG6 323687	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG7 323688	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41

BAYONEEC___CTG8 323689	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYONEEC___CTG9 323749	37.22 -0.77 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.59 1.35 -10.09	34.78 1.49 -7.31	33.46 1.06 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.71 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.20 0.94 -15.40	33.19 0.20 -29.41
BAYPORT_69_KV_BK 2 356364	36.76 -1.23 -52.77	33.60 -1.71 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.15 -0.86 -42.57	31.76 -0.85 -45.22	29.15 -0.83 -40.67	30.93 -0.76 -41.59	30.79 0.64 -21.50	33.16 0.01 -33.26	35.21 1.46 -18.71	35.52 2.27 -10.09	35.75 2.47 -7.31	34.08 1.68 -15.21	35.27 1.51 -19.16	34.92 1.21 -21.30	34.74 1.97 -13.05	35.21 3.06 -1.09	36.51 2.85 -0.09	37.97 3.19 -0.13	35.92 2.25 -10.04	36.20 1.36 -18.89	33.72 1.46 -15.40	33.27 0.28 -29.41
BEACON___LESR 323632	44.82 -0.48 -60.07	42.49 -0.68 -64.59	34.70 -0.08 -37.09	36.66 0.03 -35.69	36.48 -0.42 -48.46	38.42 -0.46 -51.48	35.22 -0.39 -46.30	37.09 -0.37 -47.35	33.40 0.27 -24.47	37.76 0.00 -37.86	36.85 0.51 -21.30	35.43 0.78 -11.49	35.18 0.88 -8.32	35.05 0.55 -17.32	36.88 0.46 -21.81	37.06 0.40 -24.25	35.21 0.63 -14.86	33.30 1.00 -1.24	34.78 1.11 -0.11	35.85 1.05 -0.15	35.83 0.77 -11.43	37.97 0.52 -21.50	34.97 0.58 -17.53	37.21 0.14 -33.49
BEAVER RIVER___HYD 24048	-11.87 0.55 -2.35	-18.10 0.79 -2.53	-0.78 0.08 -1.45	2.31 -0.03 -1.40	-9.18 0.48 -1.90	-10.03 0.56 -2.01	-8.43 0.45 -1.81	-7.65 0.39 -1.85	9.30 -0.31 -0.96	1.37 -0.01 -0.84	15.21 -0.66 -0.45	22.66 -0.94 -0.33	25.16 -1.15 -0.68	17.05 -0.82 -0.85	14.74 -0.72 -0.85	12.77 -0.60 -0.95	19.46 -0.84 -0.58	29.97 -1.14 -0.05	32.60 -0.47 0.00	34.00 -0.66 -0.01	23.73 -0.34 -0.45	16.69 -0.10 -0.84	17.26 -0.29 -0.69	4.84 -0.04 -1.31
BEEBEE_GT_13 23619	-8.09 0.23 -6.45	-14.16 0.33 -6.93	1.75 0.03 -4.04	4.73 -0.05 -3.83	-6.39 -0.03 -5.20	-7.15 -0.07 -5.53	-5.79 -0.07 -4.97	-4.90 -0.09 -5.08	11.23 -0.05 -2.63	3.95 -0.01 -4.06	17.21 -0.12 -2.29	24.10 -0.29 -1.23	26.50 -0.37 -0.89	18.82 -0.23 -1.86	16.76 -0.18 -2.34	14.82 -0.20 -2.60	20.93 -0.38 -1.60	30.77 -0.42 -0.13	33.11 -0.47 -0.01	34.21 -0.46 -0.02	24.49 -0.37 -1.23	18.01 -0.25 -2.31	18.49 -0.25 -1.88	7.12 -0.05 -3.59
BENSHRST_27_KV_BENSHRST_1 355998	37.11 -0.88 -52.77	34.07 -1.24 -56.73	30.14 -0.13 -32.58	32.34 0.05 -31.35	30.33 -0.67 -42.56	31.88 -0.73 -45.22	29.28 -0.69 -40.67	31.08 -0.61 -41.59	30.72 0.57 -21.50	33.16 0.00 -33.25	34.74 0.98 -18.71	34.81 1.57 -10.09	35.02 1.74 -7.31	33.63 1.23 -15.21	34.77 1.01 -19.16	34.56 0.85 -21.30	34.18 1.41 -13.05	34.36 2.21 -1.09	35.86 2.20 -0.09	37.05 2.26 -0.13	35.32 1.65 -10.04	35.88 1.05 -18.89	33.37 1.11 -15.40	33.23 0.23 -29.41
BETHLEHEM___GRP 23843	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.43 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.83 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
BETHLEHEM___GS1 323560	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.42 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.84 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
BETHLEHEM___GS2 323561	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.42 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.84 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
BETHLEHEM___GS3 323562	45.00 -0.31 -60.09	42.73 -0.46 -64.61	34.74 -0.06 -37.11	36.67 0.02 -35.70	36.62 -0.30 -48.47	38.57 -0.32 -51.50	35.35 -0.27 -46.32	37.23 -0.24 -47.37	33.29 0.15 -24.48	37.78 0.00 -37.87	36.63 0.28 -21.31	35.07 0.42 -11.49	34.78 0.48 -8.32	34.81 0.30 -17.32	36.68 0.26 -21.82	36.89 0.21 -24.26	34.93 0.35 -14.86	32.84 0.54 -1.24	34.27 0.59 -0.11	35.33 0.53 -0.15	35.48 0.42 -11.43	37.75 0.30 -21.51	34.75 0.36 -17.53	37.18 0.10 -33.50
BETHLEHEM___STEEL 23779	-7.69 0.74 -6.35	-10.86 1.03 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.24 0.16 -7.15	-4.91 0.10 -7.60	-3.77 0.09 -6.83	-2.88 0.03 -6.99	12.01 -0.25 -3.61	5.34 -0.01 -5.46	11.23 -0.45 3.37	21.28 -0.85 1.02	26.19 -1.01 -1.23	19.06 -0.68 -2.55	17.27 -0.55 -3.22	15.45 -0.55 -3.58	20.95 -0.96 -2.19	29.92 -1.32 -0.18	32.03 -1.55 -0.02	33.15 -1.52 -0.02	24.06 -1.25 -1.69	18.27 -0.86 -3.17	18.63 -0.82 -2.59	8.36 -0.15 -4.94
BETHLHEM_115KV_TB1 79974	44.93 -0.33 -60.04	42.64 -0.48 -64.55	34.70 -0.06 -37.07	36.64 0.03 -35.67	36.56 -0.31 -48.43	38.51 -0.33 -51.45	35.30 -0.28 -46.28	37.17 -0.25 -47.32	33.28 0.17 -24.46	37.74 0.00 -37.84	36.64 0.31 -21.29	35.11 0.47 -11.48	34.82 0.53 -8.32	34.83 0.34 -17.30	36.69 0.29 -21.80	36.90 0.24 -24.24	34.96 0.39 -14.85	32.91 0.61 -1.24	34.33 0.66 -0.11	35.41 0.61 -0.15	35.52 0.47 -11.42	37.77 0.33 -21.49	34.77 0.39 -17.52	37.15 0.10 -33.47
BETHPAGE_CC_5 323564	36.98 -1.01 -52.77	33.90 -1.41 -56.74	30.14 -0.14 -32.59	32.34 0.05 -31.35	30.27 -0.73 -42.57	31.87 -0.74 -45.22	29.26 -0.72 -40.67	31.05 -0.65 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	34.98 1.23 -18.71	35.15 1.91 -10.09	35.36 2.07 -7.31	33.82 1.42 -15.21	35.01 1.25 -19.16	34.72 1.01 -21.30	34.42 1.65 -13.05	34.70 2.56 -1.09	36.03 2.37 -0.09	37.41 2.62 -0.13	35.55 1.89 -10.04	35.99 1.15 -18.89	33.47 1.22 -15.40	33.23 0.24 -29.41
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	-7.44 0.76 -6.57	-10.72 1.07 -9.64	3.38 0.11 -5.58	6.17 -0.10 -5.32	-4.15 0.18 -7.23	-4.81 0.12 -7.68	-3.69 0.10 -6.91	-2.79 0.05 -7.06	12.04 -0.26 -3.65	5.41 -0.01 -5.53	11.57 -0.44 3.03	21.43 -0.84 0.88	26.21 -1.00 -1.24	19.10 -0.67 -2.58	17.31 -0.55 -3.25	15.49 -0.54 -3.62	20.99 -0.94 -2.22	29.95 -1.29 -0.18	32.07 -1.52 -0.02	33.18 -1.49 -0.02	24.10 -1.23 -1.71	18.31 -0.85 -3.21	18.67 -0.80 -2.62	8.42 -0.15 -5.00

BINGHAMTON___COGEN 23790	3.37 -0.01 -18.16	-1.95 -0.05 -19.53	8.86 0.00 -11.17	11.74 0.00 -10.79	3.01 -0.08 -14.65	2.83 -0.13 -15.56	3.20 -0.10 -14.00	4.30 -0.12 -14.31	16.11 0.06 -7.40	11.34 0.00 -11.45	21.60 0.12 -6.44	26.75 0.13 -3.47	28.57 0.07 -2.52	22.47 0.05 -5.24	21.23 0.03 -6.59	19.78 0.03 -7.33	24.29 0.08 -4.49	31.60 0.17 -0.37	33.76 0.16 -0.03	34.89 0.19 -0.04	27.23 0.15 -3.46	22.52 0.08 -6.50	22.21 0.05 -5.30	13.72 0.02 -10.12
BIXINCNT_115KV_LOAD 355685	-5.75 1.37 -7.65	-9.38 1.94 -10.11	3.76 0.20 -5.87	6.36 -0.17 -5.59	-3.44 0.53 -7.58	-4.03 0.52 -8.06	-3.01 0.44 -7.25	-2.14 0.35 -7.41	11.94 -0.55 -3.83	5.72 -0.01 -5.83	13.10 -0.68 1.26	21.92 -1.12 0.12	26.10 -1.18 -1.30	19.10 -0.79 -2.71	17.34 -0.67 -3.41	15.62 -0.59 -3.80	21.09 -0.96 -2.33	30.00 -1.25 -0.19	32.10 -1.49 -0.02	33.23 -1.45 -0.02	24.19 -1.23 -1.79	18.52 -0.79 -3.37	18.82 -0.78 -2.74	8.67 -0.15 -5.24
BLACK RIVER___HYD 24047	-11.16 0.53 -3.08	-17.34 0.77 -3.32	-0.33 0.08 -1.90	2.74 -0.04 -1.83	-8.61 0.46 -2.49	-9.45 0.52 -2.65	-7.91 0.41 -2.38	-7.12 0.34 -2.43	9.62 -0.29 -1.26	1.83 -0.01 -1.94	15.49 -0.64 -1.09	22.87 -0.87 -0.59	25.32 -1.08 -0.43	17.29 -0.79 -0.89	15.02 -0.70 -1.12	13.05 -0.61 -1.25	19.68 -0.80 -0.76	30.12 -1.01 -0.06	32.74 -0.83 -0.01	34.26 -0.40 -0.01	24.06 -0.16 -0.59	17.11 0.06 -1.10	17.56 -0.20 -0.90	5.27 -0.03 -1.72
BLACKRVR_115KV_TB2 79977	-11.16 0.53 -3.08	-17.34 0.77 -3.32	-0.33 0.08 -1.90	2.74 -0.04 -1.83	-8.61 0.46 -2.49	-9.45 0.52 -2.65	-7.91 0.41 -2.38	-7.12 0.34 -2.43	9.62 -0.29 -1.26	1.83 -0.01 -1.94	15.49 -0.64 -1.09	22.87 -0.87 -0.59	25.32 -1.08 -0.43	17.29 -0.79 -0.89	15.02 -0.70 -1.12	13.05 -0.61 -1.25	19.68 -0.80 -0.76	30.12 -1.01 -0.06	32.74 -0.83 -0.01	34.26 -0.40 -0.01	24.06 -0.16 -0.59	17.11 0.06 -1.10	17.56 -0.20 -0.90	5.27 -0.03 -1.72
BLISS_WT_PWR 323608	-5.58 1.54 -7.65	-9.13 2.18 -10.11	3.79 0.23 -5.87	6.34 -0.20 -5.59	-3.34 0.63 -7.58	-3.91 0.64 -8.06	-2.91 0.53 -7.25	-2.05 0.44 -7.41	11.85 -0.64 -3.83	5.73 0.00 -5.83	13.00 -0.78 1.26	21.81 -1.23 0.12	26.05 -1.23 -1.30	19.07 -0.82 -2.71	17.32 -0.70 -3.41	15.60 -0.61 -3.80	21.08 -0.96 -2.33	29.96 -1.30 -0.19	32.09 -1.49 -0.02	33.21 -1.47 -0.02	24.16 -1.25 -1.79	18.53 -0.78 -3.37	18.80 -0.80 -2.74	8.67 -0.15 -5.24
BLUESTONE___WT_PWR 323821	4.61 -0.40 -19.78	-1.01 -0.57 -20.98	9.82 0.11 -12.02	12.48 -0.06 -11.59	4.23 0.04 -15.74	4.15 0.04 -16.73	4.50 0.16 -15.05	5.26 -0.23 -15.38	16.41 -0.20 -7.95	12.21 0.00 -12.32	22.35 -0.31 -7.61	26.62 -0.55 -4.02	27.99 -0.69 -2.70	22.52 -0.29 -5.62	21.39 -0.30 -7.09	20.03 -0.26 -7.88	24.28 -0.27 -4.83	31.18 -0.28 -0.40	33.51 -0.10 -0.03	34.65 -0.05 -0.05	27.25 -0.09 -3.71	22.90 -0.03 -6.99	22.42 -0.13 -5.70	14.47 0.01 -10.88
BLUE_CIRC_CHEM_DRP 24182	44.18 -0.45 -59.41	41.79 -0.66 -63.88	34.30 -0.07 -36.69	36.27 0.03 -35.29	35.96 -0.40 -47.92	37.87 -0.44 -50.91	34.73 -0.37 -45.79	36.59 -0.34 -46.83	33.11 0.25 -24.20	37.34 0.00 -37.44	36.56 0.45 -21.07	35.21 0.69 -11.36	34.95 0.75 -8.23	34.79 0.48 -17.12	36.58 0.41 -21.57	36.75 0.35 -23.98	34.97 0.56 -14.69	33.19 0.90 -1.22	34.63 0.95 -0.10	35.73 0.93 -0.14	35.63 0.69 -11.31	37.69 0.48 -21.27	34.73 0.53 -17.33	36.82 0.12 -33.12
BOC_GAS_DRP 24189	44.61 -0.37 -59.75	42.28 -0.54 -64.24	34.52 -0.06 -36.90	36.47 0.03 -35.50	36.32 -0.32 -48.20	38.25 -0.35 -51.21	35.07 -0.29 -46.06	36.94 -0.27 -47.10	33.20 0.20 -24.34	37.56 0.00 -37.66	36.61 0.37 -21.19	35.16 0.58 -11.43	34.90 0.65 -8.28	34.83 0.42 -17.22	36.66 0.36 -21.69	36.83 0.30 -24.12	34.99 0.49 -14.78	33.05 0.76 -1.23	34.48 0.81 -0.10	35.57 0.77 -0.15	35.58 0.58 -11.37	37.73 0.39 -21.39	34.73 0.44 -17.44	36.99 0.10 -33.31
BOONVILLE_115KV_TB1 79983	-12.40 0.06 -2.31	-18.84 0.10 -2.48	-0.88 0.01 -1.43	2.31 -0.01 -1.37	-9.62 0.08 -1.86	-10.54 0.09 -1.98	-8.86 0.06 -1.78	-8.05 0.03 -1.82	9.58 -0.01 -0.94	1.34 -0.01 -1.45	15.79 -0.07 -0.82	23.51 -0.08 -0.44	26.15 -0.14 -0.32	17.71 -0.14 -0.66	15.30 -0.14 -0.84	13.24 -0.10 -0.93	20.22 -0.06 -0.57	31.15 0.04 -0.05	33.79 0.21 0.00	35.02 0.36 -0.01	24.41 0.34 -0.44	17.06 0.29 -0.82	17.70 0.17 -0.67	4.91 0.05 -1.29
BORALEX_4TH_BRANCH 23824	44.63 -0.71 -60.11	42.27 -0.94 -64.63	34.70 -0.11 -37.12	36.70 0.05 -35.71	36.37 -0.56 -48.49	38.29 -0.62 -51.51	35.12 -0.52 -46.33	37.02 -0.47 -47.38	33.51 0.36 -24.49	37.78 0.00 -37.89	37.02 0.67 -21.32	35.64 0.99 -11.50	35.44 1.14 -8.33	35.21 0.69 -17.33	37.03 0.60 -21.82	37.20 0.52 -24.27	35.40 0.82 -14.87	33.51 1.21 -1.24	35.05 1.38 -0.11	36.11 1.31 -0.15	36.08 1.01 -11.44	38.21 0.75 -21.52	35.22 0.82 -17.54	37.27 0.18 -33.51
BOWLINE___1 23526	36.45 -0.73 -51.96	33.39 -1.05 -55.86	29.66 -0.11 -32.08	31.84 0.03 -30.87	29.78 -0.58 -41.91	31.29 -0.63 -44.53	28.77 -0.58 -40.05	30.54 -0.52 -40.95	30.27 0.45 -21.17	32.64 0.00 -32.75	34.29 0.82 -18.42	34.38 1.29 -9.94	34.60 1.42 -7.20	33.16 1.00 -14.97	34.30 0.84 -18.86	34.09 0.70 -20.98	33.72 1.15 -12.85	33.93 1.80 -1.07	35.43 1.77 -0.09	36.60 1.82 -0.13	34.85 1.34 -9.89	35.40 0.85 -18.60	32.90 0.88 -15.16	32.73 0.19 -28.96
BOWLINE___2 23595	36.45 -0.73 -51.96	33.39 -1.05 -55.87	29.67 -0.11 -32.08	31.84 0.03 -30.87	29.78 -0.58 -41.91	31.29 -0.63 -44.53	28.78 -0.58 -40.05	30.54 -0.52 -40.96	30.27 0.45 -21.17	32.65 0.00 -32.75	34.29 0.82 -18.43	34.38 1.29 -9.94	34.60 1.42 -7.20	33.16 1.00 -14.97	34.31 0.84 -18.86	34.09 0.70 -20.98	33.72 1.15 -12.85	33.93 1.80 -1.07	35.43 1.77 -0.09	36.60 1.82 -0.13	34.85 1.34 -9.89	35.40 0.85 -18.60	32.90 0.88 -15.16	32.73 0.19 -28.96
BRADY___115KV_TB2 356060	-14.89 -0.12 0.00	-21.56 -0.14 0.00	-2.33 -0.02 0.00	0.97 0.02 0.00	-11.53 0.03 0.00	-12.56 0.05 0.00	-10.65 0.05 0.00	-9.84 0.06 0.00	8.64 -0.01 0.00	-0.11 -0.01 0.00	14.87 -0.17 0.00	22.91 -0.24 0.00	25.79 -0.19 0.00	17.10 -0.09 0.00	14.54 -0.06 0.00	12.40 -0.01 0.00	19.69 -0.03 0.00	31.05 -0.01 0.00	33.61 0.04 0.00	34.82 0.16 0.00	23.73 0.10 0.00	16.05 0.11 0.00	16.95 0.10 0.00	3.58 0.00 0.00
BRANSCOMB___SOLAR 323811	46.03 -0.78 -61.59	43.75 -1.04 -66.22	35.61 -0.11 -38.03	37.58 0.05 -36.59	37.53 -0.59 -49.68	39.51 -0.66 -52.78	36.20 -0.57 -47.47	38.12 -0.53 -48.54	34.19 0.44 -25.09	38.71 0.00 -38.82	37.69 0.81 -21.84	36.14 1.20 -11.78	35.84 1.33 -8.53	35.76 0.82 -17.75	37.66 0.70 -22.36	37.90 0.62 -24.86	36.00 1.05 -15.23	34.03 1.70 -1.27	35.59 1.91 -0.11	36.73 1.93 -0.15	36.67 1.32 -11.72	38.92 0.93 -22.04	35.79 0.96 -17.97	38.11 0.21 -34.33
BRDGHMPT_69_KV_BK1 55812	36.58 -1.41 -52.77	33.33 -1.99 -56.74	30.09 -0.18 -32.59	32.38 0.09 -31.35	30.24 -0.76 -42.57	31.93 -0.68 -45.22	29.28 -0.70 -40.67	31.05 -0.65 -41.59	30.71 0.56 -21.50	33.16 0.01 -33.26	35.14 1.39 -18.71	35.36 2.11 -10.09	35.59 2.31 -7.31	33.96 1.57 -15.21	35.21 1.45 -19.16	34.86 1.15 -21.30	34.65 1.88 -13.05	35.10 2.95 -1.09	36.39 2.74 -0.09	37.83 3.05 -0.13	35.81 2.14 -10.04	36.08 1.25 -18.89	33.61 1.36 -15.40	33.26 0.27 -29.41



BRENTWOD_69_KV_W. BRTWOOD 56703	36.85 -1.14 -52.77	33.73 -1.58 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.20 -0.81 -42.57	31.81 -0.80 -45.22	29.19 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.00 -33.26	35.10 1.34 -18.71	35.35 2.11 -10.09	35.55 2.27 -7.31	33.96 1.56 -15.21	35.15 1.39 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.96 2.81 -1.09	36.24 2.58 -0.09	37.70 2.91 -0.13	35.73 2.06 -10.04	36.09 1.25 -18.89	33.60 1.35 -15.40	33.25 0.26 -29.41
BRISTLHL_115KV_TB1 79998	-9.93 0.38 -4.46	-16.07 0.56 -4.80	0.50 0.06 -2.75	3.56 -0.03 -2.65	-7.70 0.26 -3.60	-8.51 0.28 -3.82	-7.03 0.23 -3.44	-6.18 0.20 -3.52	10.27 -0.20 -1.82	2.70 0.00 -2.81	16.27 -0.35 -1.58	23.46 -0.54 -0.85	25.95 -0.64 -0.62	18.04 -0.43 -1.29	15.85 -0.38 -1.62	13.89 -0.32 -1.80	20.29 -0.53 -1.10	30.37 -0.78 -0.09	32.70 -0.87 -0.01	33.80 -0.86 -0.01	23.93 -0.55 -0.85	17.17 -0.37 -1.60	17.74 -0.42 -1.30	5.98 -0.09 -2.49
BROOKHAVEN___DRP 24191	36.85 -1.14 -52.77	33.71 -1.60 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.24 -0.77 -42.57	31.86 -0.75 -45.22	29.24 -0.74 -40.67	31.02 -0.68 -41.59	30.72 0.57 -21.50	33.16 0.00 -33.26	35.08 1.32 -18.71	35.27 2.03 -10.09	35.48 2.19 -7.31	33.89 1.50 -15.21	35.15 1.39 -19.16	34.81 1.09 -21.30	34.55 1.79 -13.05	34.92 2.78 -1.09	36.21 2.55 -0.09	37.66 2.88 -0.13	35.70 2.03 -10.04	36.06 1.22 -18.89	33.58 1.32 -15.40	33.24 0.25 -29.41
BROOKLYN_NAVY_YARD 23515	37.28 -0.71 -52.77	34.30 -1.00 -56.73	30.17 -0.10 -32.58	32.33 0.03 -31.35	30.45 -0.56 -42.56	32.01 -0.60 -45.22	29.41 -0.57 -40.67	31.19 -0.51 -41.59	30.62 0.47 -21.50	27.60 0.01 -27.70	28.99 0.80 -13.15	34.52 1.27 -10.09	34.70 1.41 -7.31	33.40 1.01 -15.21	34.58 0.83 -19.15	34.40 0.69 -21.29	33.92 1.16 -13.05	33.96 1.82 -1.08	35.42 1.77 -0.09	36.59 1.81 -0.12	35.01 1.35 -10.03	35.67 0.84 -18.88	33.16 0.91 -15.40	33.18 0.19 -29.41
BROOKLYN___ARMY_DRP 323595	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
BROOME_2_LFGE 323671	3.37 -0.01 -18.16	-1.95 -0.05 -19.53	8.86 0.00 -11.17	11.74 0.00 -10.79	3.01 -0.08 -14.65	2.83 -0.13 -15.56	3.20 -0.11 -14.00	4.30 -0.12 -14.31	16.11 0.06 -7.40	11.35 0.00 -11.45	21.60 0.12 -6.44	26.75 0.12 -3.47	28.56 0.07 -2.52	22.47 0.05 -5.24	21.23 0.03 -6.59	19.78 0.03 -7.33	24.29 0.08 -4.49	31.60 0.17 -0.37	33.76 0.16 -0.03	34.89 0.19 -0.04	27.24 0.15 -3.46	22.52 0.08 -6.50	22.20 0.05 -5.30	13.72 0.02 -10.12
BROOME___LFGE 323600	3.37 -0.01 -18.16	-1.95 -0.05 -19.53	8.86 0.00 -11.17	11.74 0.00 -10.79	3.01 -0.08 -14.65	2.83 -0.13 -15.56	3.20 -0.11 -14.00	4.30 -0.12 -14.31	16.11 0.06 -7.40	11.35 0.00 -11.45	21.60 0.12 -6.44	26.75 0.12 -3.47	28.56 0.07 -2.52	22.47 0.05 -5.24	21.23 0.03 -6.59	19.78 0.03 -7.33	24.29 0.08 -4.49	31.60 0.17 -0.37	33.76 0.16 -0.03	34.89 0.19 -0.04	27.24 0.15 -3.46	22.52 0.08 -6.50	22.20 0.05 -5.30	13.72 0.02 -10.12
BROWNFLS_115KV_TB_3_5 80003	-12.72 0.44 -1.62	-19.05 0.63 -1.75	-1.25 0.06 -1.00	1.89 -0.02 -0.96	-9.83 0.42 -1.31	-10.73 0.49 -1.39	-9.04 0.40 -1.25	-8.26 0.36 -1.28	9.04 -0.27 -0.66	0.91 0.00 -1.02	15.03 -0.59 -0.57	22.62 -0.84 -0.31	25.23 -0.97 -0.22	16.99 -0.67 -0.47	14.62 -0.57 -0.65	12.60 -0.47 -0.65	19.39 -0.73 -0.40	30.07 -1.03 -0.03	32.63 -0.94 0.00	33.94 -0.72 0.00	23.50 -0.43 -0.31	16.35 -0.18 -0.58	17.03 -0.30 -0.47	4.42 -0.06 -0.91
BROWNSV1_27_KV_LOAD 356125	37.14 -0.85 -52.77	34.12 -1.19 -56.73	30.15 -0.12 -32.58	32.34 0.05 -31.35	30.35 -0.65 -42.56	31.90 -0.71 -45.22	29.31 -0.67 -40.67	31.10 -0.60 -41.59	30.69 0.54 -21.50	33.15 0.00 -33.25	34.70 0.95 -18.71	34.75 1.51 -10.09	34.96 1.67 -7.31	33.58 1.18 -15.21	34.74 0.98 -19.16	34.54 0.82 -21.30	34.12 1.36 -13.05	34.27 2.12 -1.09	35.77 2.11 -0.09	36.94 2.16 -0.13	35.26 1.59 -10.04	35.84 1.00 -18.89	33.31 1.06 -15.40	33.21 0.22 -29.41
BURROWS___LYONSDAL 23803	-12.23 0.23 -2.32	-18.59 0.35 -2.49	-0.85 0.03 -1.43	2.30 -0.02 -1.38	-9.48 0.21 -1.87	-10.38 0.25 -1.99	-8.73 0.18 -1.79	-7.92 0.15 -1.83	9.48 -0.11 -0.94	1.35 -0.01 -1.46	15.60 -0.26 -0.82	23.24 -0.36 -0.44	25.82 -0.48 -0.32	17.50 -0.35 -0.67	15.12 -0.32 -0.84	13.09 -0.26 -0.94	19.98 -0.31 -0.57	30.78 -0.33 -0.05	33.42 -0.15 0.00	34.70 0.04 -0.01	24.19 0.12 -0.44	16.94 0.17 -0.83	17.56 0.03 -0.67	4.89 0.02 -1.29
CAITHNESS_CC_1 323624	36.89 -1.10 -52.77	33.76 -1.55 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.26 -0.75 -42.57	31.88 -0.73 -45.22	29.25 -0.73 -40.67	31.03 -0.66 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.05 1.29 -18.71	35.23 1.98 -10.09	35.43 2.15 -7.31	33.87 1.47 -15.21	35.11 1.35 -19.16	34.78 1.06 -21.30	34.51 1.74 -13.05	34.85 2.71 -1.09	36.12 2.46 -0.09	37.57 2.78 -0.13	35.65 1.98 -10.04	36.02 1.18 -18.89	33.54 1.29 -15.40	33.24 0.24 -29.41
CALPINE BETH_PAGE_GT4 24209	36.99 -1.01 -52.77	33.91 -1.41 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.27 -0.73 -42.57	31.87 -0.74 -45.22	29.27 -0.71 -40.67	31.05 -0.64 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	34.97 1.22 -18.71	35.14 1.90 -10.09	35.34 2.06 -7.31	33.82 1.42 -15.21	35.01 1.25 -19.16	34.72 1.01 -21.30	34.41 1.64 -13.05	34.69 2.54 -1.09	36.03 2.37 -0.09	37.41 2.62 -0.13	35.55 1.89 -10.04	35.99 1.15 -18.89	33.47 1.21 -15.40	33.23 0.24 -29.41
CALPINE_BETH_PAGE_GT_4 323586	36.99 -1.01 -52.77	33.91 -1.41 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.27 -0.73 -42.57	31.87 -0.74 -45.22	29.26 -0.71 -40.67	31.05 -0.64 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	34.97 1.22 -18.71	35.14 1.90 -10.09	35.35 2.06 -7.31	33.82 1.42 -15.21	35.01 1.25 -19.16	34.72 1.01 -21.30	34.41 1.64 -13.05	34.70 2.55 -1.09	36.03 2.37 -0.09	37.41 2.62 -0.13	35.55 1.89 -10.04	35.99 1.15 -18.89	33.47 1.21 -15.40	33.23 0.24 -29.41
CALPINE_BP_GT1 23823	36.99 -1.01 -52.77	33.91 -1.41 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.27 -0.73 -42.57	31.87 -0.74 -45.22	29.26 -0.71 -40.67	31.05 -0.64 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	34.97 1.22 -18.71	35.14 1.90 -10.09	35.35 2.06 -7.31	33.82 1.42 -15.21	35.01 1.25 -19.16	34.72 1.01 -21.30	34.41 1.64 -13.05	34.70 2.55 -1.09	36.03 2.37 -0.09	37.41 2.62 -0.13	35.55 1.89 -10.04	35.99 1.15 -18.89	33.47 1.21 -15.40	33.23 0.24 -29.41
CALSPAN___DRP 24200	-7.69 0.74 -6.35	-10.86 1.03 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.24 0.16 -7.15	-4.91 0.10 -7.60	-3.77 0.09 -6.83	-2.88 0.03 -6.99	12.01 -0.25 -3.61	5.34 -0.01 -5.46	11.23 -0.45 3.37	21.28 -0.85 1.02	26.19 -1.01 -1.23	19.06 -0.68 -2.55	17.27 -0.55 -3.22	15.45 -0.55 -3.58	20.95 -0.96 -2.19	29.92 -1.32 -0.18	32.03 -1.55 -0.02	33.15 -1.52 -0.02	24.06 -1.25 -1.69	18.27 -0.86 -3.17	18.63 -0.82 -2.59	8.36 -0.15 -4.94

CALVERTON___SOLAR 323806	36.81 -1.19 -52.77	33.64 -1.67 -56.74	30.12 -0.16 -32.59	32.36 0.07 -31.35	30.22 -0.79 -42.57	31.85 -0.76 -45.22	29.22 -0.75 -40.67	31.00 -0.69 -41.59	30.73 0.58 -21.50	33.16 0.01 -33.26	35.12 1.36 -18.71	35.32 2.07 -10.09	35.53 2.24 -7.31	33.93 1.53 -15.21	35.18 1.42 -19.16	34.84 1.12 -21.30	34.61 1.84 -13.05	35.01 2.86 -1.09	36.31 2.65 -0.09	37.76 2.97 -0.13	35.76 2.09 -10.04	36.09 1.25 -18.89	33.61 1.36 -15.40	33.25 0.25 -29.41
CANDIGU_WT_PWR 323617	-14.14 0.98 0.35	-8.08 1.37 -11.97	3.89 0.16 -6.05	7.48 -0.08 -6.61	-2.07 0.51 -8.98	-2.61 0.46 -9.54	-1.76 0.35 -8.58	-0.84 0.28 -8.78	12.79 -0.40 -4.54	6.34 0.00 -6.44	-11.76 -0.71 26.09	11.57 -1.19 10.39	26.07 -1.45 -1.54	19.44 -0.95 -3.21	17.99 -0.66 -4.04	16.33 -0.58 -4.49	21.75 -0.72 -2.76	30.41 -0.88 -0.23	32.74 -0.84 -0.02	33.83 -0.86 -0.03	24.97 -0.77 -2.12	19.35 -0.58 -3.99	19.55 -0.55 -3.25	9.69 -0.10 -6.20
CARR STREET_E_SYR 24060	-9.52 0.16 -5.09	-15.72 0.22 -5.48	0.86 0.03 -3.15	3.95 -0.02 -3.03	-7.38 0.07 -4.11	-8.19 0.06 -4.36	-6.72 0.05 -3.93	-5.85 0.03 -4.01	10.67 -0.06 -2.08	3.11 0.00 -3.21	16.75 -0.10 -1.81	23.96 -0.17 -0.97	26.46 -0.22 -0.71	18.49 -0.16 -1.47	16.31 -0.15 -1.85	14.35 -0.12 -2.06	20.78 -0.19 -1.26	30.90 -0.26 -0.10	33.28 -0.29 -0.01	34.38 -0.29 -0.01	24.43 -0.16 -0.97	17.65 -0.12 -1.82	18.19 -0.15 -1.49	6.39 -0.03 -2.84
CARTHAGE___PAPER 23857	-11.46 0.52 -2.80	-17.66 0.75 -3.01	-0.51 0.08 -1.73	2.58 -0.03 -1.67	-8.84 0.46 -2.26	-9.68 0.53 -2.40	-8.11 0.42 -2.16	-7.33 0.36 -2.21	9.50 -0.30 -1.14	1.66 -0.01 -1.76	15.39 -0.65 -0.99	22.79 -0.90 -0.54	25.25 -1.11 -0.39	17.20 -0.80 -0.81	14.92 -0.70 -1.02	12.95 -0.59 -1.13	19.59 -0.82 -0.69	30.05 -1.07 -0.06	32.71 -0.87 0.00	34.18 -0.49 -0.01	23.93 -0.23 -0.53	16.94 -0.01 -1.00	17.45 -0.23 -0.82	5.11 -0.03 -1.56
CASSADAGA_WT_PWR 323784	-6.15 1.26 -7.37	-9.70 1.72 -10.00	3.67 0.18 -5.80	6.39 -0.09 -5.53	-3.59 0.46 -7.51	-4.24 0.40 -7.97	-3.19 0.33 -7.17	-2.36 0.21 -7.33	12.09 -0.35 -3.79	5.66 0.01 -5.76	12.72 -0.54 1.78	21.99 -0.83 0.34	26.28 -0.98 -1.29	19.15 -0.72 -2.68	17.42 -0.55 -3.37	15.76 -0.40 -3.76	21.44 -0.57 -2.30	30.37 -0.88 -0.19	32.60 -0.98 -0.02	33.98 -0.70 -0.02	24.72 -0.68 -1.77	18.66 -0.62 -3.33	18.85 -0.72 -2.72	8.63 -0.14 -5.19
CE_DUNWOOD___DRP 24194	37.18 -0.77 -52.72	34.17 -1.09 -56.69	30.13 -0.11 -32.56	32.30 0.04 -31.32	30.37 -0.60 -42.53	31.93 -0.65 -45.18	29.35 -0.60 -40.64	31.12 -0.54 -41.56	30.61 0.47 -21.48	33.13 0.00 -33.23	34.61 0.87 -18.70	34.61 1.37 -10.08	34.80 1.52 -7.30	33.45 1.06 -15.20	34.63 0.88 -19.14	34.44 0.74 -21.28	33.99 1.23 -13.04	34.06 1.91 -1.09	35.54 1.88 -0.09	36.70 1.92 -0.13	35.08 1.41 -10.03	35.72 0.90 -18.87	33.18 0.94 -15.38	33.16 0.20 -29.39
CE_MILLWOOD___DRP 24193	37.11 -0.75 -52.63	34.10 -1.07 -56.59	30.08 -0.11 -32.50	32.25 0.04 -31.27	30.32 -0.58 -42.46	31.86 -0.63 -45.10	29.29 -0.59 -40.57	31.07 -0.52 -41.49	30.56 0.46 -21.44	33.07 0.00 -33.17	34.56 0.85 -18.67	34.56 1.34 -10.07	34.74 1.48 -7.29	33.39 1.03 -15.17	34.57 0.86 -19.11	34.38 0.72 -21.25	33.93 1.20 -13.02	34.00 1.86 -1.08	35.50 1.84 -0.09	36.66 1.88 -0.13	35.02 1.38 -10.01	35.66 0.88 -18.84	33.13 0.91 -15.36	33.11 0.19 -29.34
CE_NYC2_DRP 24202	37.24 -0.75 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.34 0.05 -31.35	30.40 -0.60 -42.56	31.95 -0.66 -45.22	29.35 -0.62 -40.67	31.15 -0.55 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.61 0.86 -18.71	34.63 1.39 -10.09	34.82 1.53 -7.31	33.50 1.10 -15.21	34.66 0.89 -19.16	34.46 0.75 -21.30	34.02 1.25 -13.05	34.11 1.96 -1.09	35.58 1.92 -0.09	36.75 1.96 -0.13	35.11 1.44 -10.04	35.74 0.91 -18.89	33.24 0.98 -15.40	33.20 0.21 -29.41
CE_NYC_DRP 24195	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.47 1.07 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.00 1.24 -13.05	34.08 1.94 -1.09	35.57 1.91 -0.09	36.74 1.95 -0.13	35.11 1.44 -10.04	35.74 0.91 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
CHAFFEE___LFGE 323603	-7.06 0.71 -7.00	-10.60 1.00 -9.82	3.48 0.10 -5.69	6.28 -0.09 -5.43	-4.04 0.15 -7.37	-4.70 0.08 -7.83	-3.58 0.07 -7.04	-2.68 0.02 -7.20	12.13 -0.24 -3.72	5.54 0.00 -5.65	12.33 -0.41 2.30	21.78 -0.81 0.56	26.27 -0.98 -1.26	19.16 -0.66 -2.63	17.37 -0.55 -3.31	15.56 -0.55 -3.69	21.03 -0.95 -2.26	29.91 -1.34 -0.19	32.08 -1.50 -0.02	33.19 -1.48 -0.02	24.15 -1.21 -1.74	18.38 -0.83 -3.27	18.70 -0.82 -2.67	8.52 -0.15 -5.09
CHATEAUG_35_KV_LOAD 355732	-14.76 0.01 0.00	-21.33 0.09 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.32 0.24 0.00	-12.27 0.34 0.00	-10.38 0.32 0.00	-9.59 0.31 0.00	8.43 -0.22 0.00	-0.11 0.00 0.00	14.65 -0.39 0.00	22.62 -0.53 0.00	25.44 -0.54 0.00	16.85 -0.33 0.00	14.35 -0.25 0.00	12.25 -0.16 0.00	19.40 -0.31 0.00	30.60 -0.46 0.00	33.21 -0.36 0.00	34.42 -0.23 0.00	23.50 -0.13 0.00	15.87 -0.08 0.00	16.77 -0.09 0.00	3.55 -0.03 0.00
CHATEAUG_WT_PWR 323614	-14.75 0.03 0.00	-21.32 0.10 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.33 0.23 0.00	-12.28 0.33 0.00	-10.39 0.31 0.00	-9.60 0.30 0.00	8.44 -0.22 0.00	-0.11 0.00 0.00	14.68 -0.36 0.00	22.66 -0.49 0.00	25.48 -0.50 0.00	16.88 -0.31 0.00	14.37 -0.23 0.00	12.27 -0.15 0.00	19.43 -0.29 0.00	30.64 -0.42 0.00	33.21 -0.35 0.00	34.40 -0.25 0.00	23.48 -0.15 0.00	15.85 -0.09 0.00	16.76 -0.10 0.00	3.55 -0.03 0.00
CHAT_HIGH_FALL_HYD 323578	-14.76 0.01 0.00	-21.33 0.09 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.32 0.24 0.00	-12.27 0.34 0.00	-10.38 0.32 0.00	-9.59 0.31 0.00	8.43 -0.22 0.00	-0.11 0.00 0.00	14.65 -0.39 0.00	22.62 -0.53 0.00	25.44 -0.54 0.00	16.85 -0.33 0.00	14.35 -0.25 0.00	12.25 -0.16 0.00	19.40 -0.31 0.00	30.60 -0.46 0.00	33.21 -0.36 0.00	34.42 -0.23 0.00	23.50 -0.13 0.00	15.87 -0.08 0.00	16.77 -0.09 0.00	3.55 -0.03 0.00
CHAUTAUQUA___LFGE 323629	-7.02 0.91 -6.84	-10.37 1.23 -9.82	3.52 0.14 -5.69	6.30 -0.07 -5.43	-3.92 0.27 -7.37	-4.59 0.18 -7.83	-3.49 0.16 -7.04	-2.62 0.07 -7.20	12.11 -0.26 -3.72	5.53 0.01 -5.63	11.88 -0.42 2.74	21.66 -0.75 0.74	26.34 -0.90 -1.26	19.19 -0.62 -2.63	17.42 -0.50 -3.31	15.67 -0.44 -3.69	21.30 -0.68 -2.26	30.19 -1.06 -0.19	32.40 -1.18 -0.02	33.66 -1.02 -0.02	24.49 -0.87 -1.74	18.55 -0.66 -3.27	18.80 -0.73 -2.67	8.54 -0.13 -5.09
CHERRYST_13_KV_LD 356241	37.19 -0.80 -52.77	34.18 -1.13 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.67 -45.22	29.34 -0.64 -40.67	31.13 -0.57 -41.59	30.67 0.52 -21.50	33.15 0.00 -33.25	34.65 0.90 -18.71	34.67 1.43 -10.09	34.86 1.57 -7.31	33.51 1.12 -15.21	34.69 0.93 -19.16	34.49 0.77 -21.30	34.06 1.29 -13.05	34.16 2.02 -1.09	35.65 1.99 -0.09	36.84 2.05 -0.13	35.17 1.50 -10.04	35.78 0.94 -18.89	33.25 0.99 -15.40	33.20 0.21 -29.41

CHESTROR_138KV_BK263 355645	35.35 -0.66 -50.79	32.22 -0.96 -54.61	28.95 -0.10 -31.36	31.15 0.03 -30.17	28.89 -0.52 -40.97	30.34 -0.58 -43.53	27.93 -0.52 -39.15	29.66 -0.47 -40.03	29.75 0.41 -20.69	31.91 0.00 -32.01	33.81 0.76 -18.01	34.04 1.18 -9.71	34.31 1.30 -7.03	32.73 0.91 -14.64	33.79 0.75 -18.44	33.55 0.63 -20.50	33.33 1.05 -12.56	33.75 1.64 -1.05	35.30 1.64 -0.09	36.45 1.67 -0.12	34.53 1.24 -9.66	34.91 0.79 -18.18	32.49 0.81 -14.82	32.06 0.17 -28.31
CH_MIDHUDSON___DRP 24192	37.96 -0.73 -53.47	35.01 -1.05 -57.49	30.60 -0.11 -33.02	32.75 0.04 -31.77	31.00 -0.57 -43.13	32.58 -0.63 -45.82	29.95 -0.57 -41.22	31.74 -0.51 -42.15	30.90 0.46 -21.78	33.60 0.00 -33.70	34.86 0.86 -18.96	34.72 1.34 -10.23	34.87 1.49 -7.41	33.63 1.03 -15.41	34.87 0.85 -19.41	34.71 0.72 -21.59	34.13 1.19 -13.22	34.02 1.86 -1.10	35.52 1.86 -0.09	36.66 1.88 -0.13	35.17 1.37 -10.17	35.97 0.88 -19.14	33.37 0.90 -15.60	33.57 0.19 -29.81
CH_MISC_IPPS 23765	37.31 -0.81 -52.90	34.29 -1.16 -56.87	30.23 -0.12 -32.66	32.41 0.04 -31.42	30.48 -0.63 -42.67	32.03 -0.69 -45.33	29.45 -0.63 -40.77	31.23 -0.57 -41.70	30.71 0.50 -21.55	33.24 0.00 -33.34	34.74 0.94 -18.76	34.73 1.46 -10.12	34.93 1.62 -7.33	33.55 1.12 -15.25	34.74 0.93 -19.21	34.55 0.79 -21.35	34.10 1.30 -13.08	34.20 2.05 -1.09	35.71 2.05 -0.09	36.88 2.09 -0.13	35.21 1.52 -10.06	35.85 0.97 -18.93	33.29 0.99 -15.43	33.27 0.21 -29.49
CH_RES_BVR_FALLS 23983	-14.70 0.08 0.00	-21.30 0.12 0.00	-2.30 0.01 0.00	0.95 0.00 0.00	-11.46 0.10 0.00	-12.49 0.11 0.00	-10.59 0.10 0.00	-9.80 0.10 0.00	8.58 -0.08 0.00	-0.11 0.00 0.00	14.90 -0.14 0.00	22.96 -0.20 0.00	25.77 -0.21 0.00	17.05 -0.14 0.00	14.50 -0.11 0.00	12.33 -0.09 0.00	19.58 -0.14 0.00	30.85 -0.20 0.00	33.36 -0.20 0.00	34.47 -0.18 0.00	23.51 -0.12 0.00	15.87 -0.07 0.00	16.79 -0.07 0.00	3.56 -0.02 0.00
CH_RES_NIAGARA 23895	-7.70 0.82 -6.26	-11.43 1.15 -8.84	2.91 0.10 -5.12	5.71 -0.12 -4.89	-4.73 0.19 -6.63	-5.40 0.16 -7.05	-4.23 0.13 -6.34	-3.31 0.10 -6.48	11.68 -0.32 -3.35	5.00 0.02 -5.08	12.14 -0.68 2.22	21.42 -1.17 0.57	25.76 -1.35 -1.14	18.62 -0.93 -2.37	16.72 -0.87 -2.99	14.89 -0.84 -3.32	20.29 -1.46 -2.03	29.13 -2.10 -0.17	31.15 -2.43 -0.01	32.16 -2.52 -0.02	23.25 -1.94 -1.56	17.53 -1.36 -2.94	18.00 -1.26 -2.40	7.91 -0.25 -4.59
CH_RES_SYRACUSE 23985	-9.07 0.07 -5.64	-15.26 0.10 -6.06	1.18 0.01 -3.48	4.29 -0.01 -3.35	-7.00 0.01 -4.55	-7.79 -0.01 -4.83	-6.35 -0.01 -4.35	-5.48 -0.02 -4.44	10.94 -0.01 -2.30	3.45 0.00 -3.55	17.02 -0.02 -2.00	24.16 -0.07 -1.08	26.65 -0.11 -0.78	18.73 -0.08 -1.63	16.56 -0.09 -2.05	14.63 -0.06 -2.28	21.02 -0.09 -1.39	31.08 -0.09 -0.12	33.48 -0.10 -0.01	34.59 -0.08 -0.01	24.66 -0.05 -1.07	17.94 -0.03 -2.02	18.43 -0.07 -1.65	6.71 -0.01 -3.14
CLINTON_WT_PWR 323605	-14.75 0.03 0.00	-21.32 0.10 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.33 0.23 0.00	-12.28 0.33 0.00	-10.39 0.31 0.00	-9.60 0.30 0.00	8.44 -0.22 0.00	-0.11 0.00 0.00	14.68 -0.36 0.00	22.66 -0.49 0.00	25.48 -0.50 0.00	16.88 -0.31 0.00	14.37 -0.23 0.00	12.27 -0.15 0.00	19.43 -0.29 0.00	30.64 -0.42 0.00	33.21 -0.35 0.00	34.40 -0.25 0.00	23.48 -0.15 0.00	15.85 -0.09 0.00	16.76 -0.10 0.00	3.55 -0.03 0.00
CLINTON___LFGE 323618	-14.90 -0.13 0.00	-21.53 -0.11 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.43 0.13 0.00	-12.41 0.20 0.00	-10.50 0.20 0.00	-9.70 0.20 0.00	8.52 -0.14 0.00	-0.11 -0.01 0.00	14.80 -0.24 0.00	22.84 -0.31 0.00	25.66 -0.32 0.00	16.99 -0.20 0.00	14.46 -0.14 0.00	12.36 -0.05 0.00	19.61 -0.11 0.00	30.94 -0.12 0.00	33.55 -0.02 0.00	34.75 0.10 0.00	23.76 0.13 0.00	16.04 0.09 0.00	16.93 0.07 0.00	3.58 0.00 0.00
COBBLENY_34_KV_TB1 80064	-7.06 0.71 -7.00	-10.60 1.00 -9.82	3.48 0.10 -5.69	6.28 -0.09 -5.43	-4.04 0.15 -7.37	-4.70 0.08 -7.83	-3.58 0.07 -7.04	-2.68 0.02 -7.20	12.13 -0.24 -3.72	5.53 -0.01 -5.65	12.33 -0.41 2.30	21.78 -0.81 0.56	26.26 -0.98 -1.26	19.16 -0.66 -2.63	17.37 -0.55 -3.31	15.55 -0.55 -3.69	21.03 -0.95 -2.26	29.96 -1.29 -0.19	32.09 -1.50 -0.02	33.19 -1.48 -0.02	24.15 -1.21 -1.74	18.38 -0.84 -3.27	18.72 -0.80 -2.67	8.52 -0.15 -5.09
COFFEEN___115KV_TB3 355620	-11.16 0.48 -3.14	-17.36 0.70 -3.37	-0.30 0.07 -1.94	2.77 -0.04 -1.86	-8.62 0.41 -2.53	-9.45 0.47 -2.69	-7.91 0.37 -2.42	-7.13 0.30 -2.47	9.67 -0.26 -1.28	1.86 -0.01 -1.98	15.57 -0.58 -1.11	22.97 -0.78 -0.60	25.44 -0.97 -0.43	17.37 -0.72 -0.90	15.09 -0.65 -1.14	13.12 -0.56 -1.27	19.77 -0.72 -0.77	30.25 -0.87 -0.06	32.88 -0.70 -0.01	34.39 -0.27 -0.01	24.16 -0.06 -0.60	17.17 0.11 -1.12	17.63 -0.14 -0.91	5.30 -0.02 -1.75
COLDSPRG_115KV_BK1 355956	-5.73 0.86 -8.19	-9.98 1.15 -10.29	3.79 0.12 -5.98	6.57 -0.07 -5.69	-3.64 0.19 -7.72	-4.30 0.11 -8.20	-3.24 0.08 -7.38	-2.35 0.00 -7.54	12.38 -0.16 -3.90	5.85 0.00 -5.96	14.57 -0.21 0.26	23.00 -0.46 -0.31	26.61 -0.69 -1.32	19.42 -0.52 -2.76	17.65 -0.42 -3.47	15.92 -0.36 -3.86	21.56 -0.53 -2.37	30.56 -0.70 -0.20	32.74 -0.85 -0.02	33.99 -0.69 -0.02	24.77 -0.68 -1.82	18.83 -0.54 -3.43	19.05 -0.60 -2.79	8.81 -0.11 -5.34
COLONIE_LFGE___ 323577	45.69 -0.56 -61.03	43.43 -0.75 -65.61	35.29 -0.08 -37.68	37.23 0.03 -36.25	37.22 -0.44 -49.23	39.20 -0.49 -52.30	35.92 -0.42 -47.04	37.82 -0.38 -48.10	33.82 0.31 -24.86	38.36 0.00 -38.46	37.25 0.56 -21.64	35.68 0.85 -11.67	35.39 0.96 -8.45	35.38 0.60 -17.59	37.28 0.52 -22.15	37.49 0.44 -24.63	35.53 0.72 -15.09	33.45 1.14 -1.26	34.92 1.25 -0.11	36.02 1.22 -0.15	36.13 0.89 -11.61	38.41 0.62 -21.84	35.34 0.68 -17.81	37.74 0.15 -34.02
COOPERNY_115KV_TB1 80082	30.39 -0.55 -45.71	26.91 -0.81 -49.15	25.83 -0.08 -28.22	28.12 0.02 -27.15	24.87 -0.44 -36.87	26.07 -0.49 -39.17	24.10 -0.44 -35.23	25.74 -0.40 -36.03	27.61 0.34 -18.62	28.71 0.00 -28.81	31.88 0.63 -16.21	32.87 0.98 -8.74	33.38 1.08 -6.33	31.12 0.75 -13.17	31.83 0.63 -16.59	31.39 0.52 -18.45	31.90 0.87 -11.31	33.36 1.36 -0.94	35.01 1.36 -0.08	36.16 1.39 -0.11	33.36 1.03 -8.70	32.97 0.66 -16.36	30.87 0.67 -13.34	29.20 0.14 -25.48
COPENHAGEN_WT_PWR 323753	-10.86 0.69 -3.22	-16.96 0.99 -3.47	-0.22 0.10 -1.99	2.81 -0.05 -1.91	-8.38 0.58 -2.60	-9.19 0.66 -2.76	-7.68 0.53 -2.49	-6.91 0.45 -2.54	9.59 -0.38 -1.31	1.92 -0.01 -2.03	15.39 -0.79 -1.14	22.66 -1.10 -0.62	25.09 -1.33 -0.45	17.16 -0.96 -0.93	14.94 -0.84 -1.17	12.99 -0.73 -1.30	19.50 -1.01 -0.80	29.77 -1.36 -0.07	32.41 -1.16 -0.01	33.95 -0.71 -0.01	23.88 -0.36 -0.61	17.05 -0.05 -1.15	17.47 -0.33 -0.94	5.32 -0.05 -1.80
CORNELL_____ 23752	-1.87 -0.12 -13.03	-8.38 -0.18 -13.22	5.25 -0.01 -7.57	8.25 0.00 -7.30	-1.79 -0.14 -9.91	-2.27 -0.19 -10.53	-1.38 -0.17 -9.47	-0.40 -0.19 -9.69	13.78 0.12 -5.01	7.67 0.00 -7.78	21.53 0.20 -6.28	26.52 0.21 -3.15	27.87 0.19 -1.70	20.80 0.07 -3.54	19.10 0.03 -4.46	17.44 0.06 -4.96	22.88 0.12 -3.04	31.64 0.32 -0.25	34.05 0.46 -0.02	35.23 0.54 -0.03	26.37 0.40 -2.34	20.59 0.25 -4.40	20.65 0.20 -3.59	10.48 0.05 -6.85

CORONA__69_KV_TB1 355595	37.07 -0.92 -52.77	34.01 -1.30 -56.74	30.15 -0.13 -32.59	32.34 0.04 -31.35	30.32 -0.69 -42.57	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.10 -0.60 -41.59	30.67 0.51 -21.50	33.16 0.00 -33.26	34.87 1.11 -18.71	34.99 1.75 -10.09	35.20 1.91 -7.31	33.71 1.32 -15.21	34.91 1.15 -19.16	34.65 0.93 -21.30	34.28 1.52 -13.05	34.50 2.35 -1.09	35.89 2.23 -0.09	37.19 2.41 -0.13	35.41 1.75 -10.04	35.92 1.09 -18.89	33.37 1.12 -15.40	33.22 0.23 -29.41
CORTLAND__115KV_TB3 80093	-4.79 -0.06 -10.05	-10.73 -0.11 -10.81	3.89 0.00 -6.21	6.92 0.00 -5.97	-3.55 -0.10 -8.11	-4.13 -0.14 -8.61	-3.07 -0.12 -7.75	-2.11 -0.14 -7.92	12.83 0.08 -4.10	6.23 0.00 -6.34	18.75 0.14 -3.56	25.25 0.18 -1.92	27.51 0.14 -1.39	20.16 0.07 -2.90	18.28 0.02 -3.65	16.51 0.04 -4.06	22.31 0.11 -2.49	31.51 0.24 -0.21	33.88 0.29 -0.02	35.03 0.35 -0.02	25.82 0.27 -1.91	19.71 0.17 -3.60	19.93 0.13 -2.93	9.21 0.03 -5.60
COXSACKIE__GT 23611	42.61 -0.86 -58.25	39.98 -1.23 -62.62	33.52 -0.14 -35.96	35.62 0.07 -34.60	34.72 -0.71 -46.98	36.52 -0.79 -49.91	33.52 -0.68 -44.89	35.34 -0.67 -45.91	32.96 0.58 -23.73	36.61 0.01 -36.71	36.72 1.02 -20.65	35.91 1.62 -11.14	35.78 1.73 -8.07	35.09 1.11 -16.79	36.66 0.91 -21.15	36.72 0.79 -23.51	35.40 1.27 -14.41	34.45 2.19 -1.20	36.03 2.36 -0.10	37.10 2.30 -0.14	36.32 1.61 -11.08	37.87 1.08 -20.85	34.96 1.11 -16.99	36.29 0.24 -32.47
CPV_VALLEY__CC1 323721	33.63 -0.57 -48.97	30.41 -0.82 -52.65	27.85 -0.08 -30.24	30.06 0.02 -29.09	27.49 -0.45 -39.50	28.86 -0.49 -41.97	26.60 -0.45 -37.75	28.30 -0.41 -38.60	28.95 0.35 -19.95	30.76 0.00 -30.86	33.06 0.65 -17.37	33.53 1.01 -9.37	33.88 1.12 -6.78	32.09 0.79 -14.11	33.04 0.65 -17.78	32.73 0.54 -19.77	32.74 0.91 -12.11	33.50 1.43 -1.01	35.05 1.40 -0.09	36.19 1.42 -0.12	34.01 1.07 -9.32	34.15 0.67 -17.53	31.84 0.69 -14.29	31.02 0.15 -27.30
CPV_VALLEY__CC2 323722	33.63 -0.57 -48.97	30.41 -0.82 -52.65	27.85 -0.08 -30.24	30.06 0.02 -29.09	27.49 -0.45 -39.50	28.86 -0.49 -41.97	26.60 -0.45 -37.75	28.30 -0.41 -38.60	28.95 0.35 -19.95	30.76 0.00 -30.86	33.06 0.65 -17.37	33.53 1.01 -9.37	33.88 1.12 -6.78	32.09 0.79 -14.11	33.04 0.65 -17.78	32.73 0.54 -19.77	32.74 0.91 -12.11	33.50 1.43 -1.01	35.05 1.40 -0.09	36.19 1.42 -0.12	34.01 1.07 -9.32	34.15 0.67 -17.53	31.84 0.69 -14.29	31.02 0.15 -27.30
CRESCENT__HYD 24018	45.69 -0.56 -61.03	43.43 -0.75 -65.61	35.29 -0.08 -37.68	37.23 0.03 -36.25	37.22 -0.44 -49.23	39.20 -0.49 -52.30	35.92 -0.42 -47.04	37.82 -0.38 -48.10	33.82 0.31 -24.86	38.36 0.00 -38.46	37.25 0.56 -21.64	35.68 0.85 -11.67	35.39 0.96 -8.45	35.38 0.60 -17.59	37.28 0.52 -22.15	37.49 0.44 -24.63	35.53 0.72 -15.09	33.45 1.14 -1.26	34.92 1.25 -0.11	36.02 1.22 -0.15	36.13 0.89 -11.61	38.41 0.62 -21.84	35.34 0.68 -17.81	37.74 0.15 -34.02
CRICKET__VALLEY_CC1 323756	38.77 -0.64 -54.18	35.95 -0.89 -58.26	31.06 -0.09 -33.46	33.17 0.03 -32.19	31.67 -0.48 -43.71	33.29 -0.53 -46.44	30.59 -0.48 -41.77	32.38 -0.44 -42.71	31.12 0.39 -22.07	34.05 0.00 -34.15	35.03 0.77 -19.22	34.74 1.22 -10.36	34.83 1.34 -7.51	33.73 0.93 -15.62	35.03 0.76 -19.67	34.94 0.64 -21.87	34.21 1.08 -13.40	33.87 1.69 -1.12	35.30 1.64 -0.10	36.40 1.61 -0.13	35.11 1.17 -10.31	36.10 0.76 -19.40	33.45 0.78 -15.81	33.95 0.17 -30.20
CRICKET__VALLEY_CC2 323757	38.77 -0.64 -54.18	35.95 -0.89 -58.26	31.06 -0.09 -33.46	33.17 0.03 -32.19	31.67 -0.48 -43.71	33.29 -0.53 -46.44	30.59 -0.48 -41.77	32.38 -0.44 -42.71	31.12 0.39 -22.07	34.05 0.00 -34.15	35.03 0.77 -19.22	34.74 1.22 -10.36	34.83 1.34 -7.51	33.73 0.93 -15.62	35.03 0.76 -19.67	34.94 0.64 -21.87	34.21 1.08 -13.40	33.87 1.69 -1.12	35.30 1.64 -0.10	36.40 1.61 -0.13	35.11 1.17 -10.31	36.10 0.76 -19.40	33.45 0.78 -15.81	33.95 0.17 -30.20
CRICKET__VALLEY_CC3 323758	38.77 -0.64 -54.18	35.95 -0.89 -58.26	31.06 -0.09 -33.46	33.17 0.03 -32.19	31.67 -0.48 -43.71	33.29 -0.53 -46.44	30.59 -0.48 -41.77	32.38 -0.44 -42.71	31.12 0.39 -22.07	34.05 0.00 -34.15	35.03 0.77 -19.22	34.74 1.22 -10.36	34.83 1.34 -7.51	33.73 0.93 -15.62	35.03 0.76 -19.67	34.94 0.64 -21.87	34.21 1.08 -13.40	33.87 1.69 -1.12	35.30 1.64 -0.10	36.40 1.61 -0.13	35.11 1.17 -10.31	36.10 0.76 -19.40	33.45 0.78 -15.81	33.95 0.17 -30.20
CRUCIBLE_METL_DRP 24180	-9.06 0.07 -5.64	-15.26 0.10 -6.06	1.18 0.01 -3.48	4.29 -0.01 -3.35	-7.00 0.01 -4.55	-7.79 -0.01 -4.83	-6.35 -0.01 -4.35	-5.48 -0.02 -4.44	10.94 -0.01 -2.30	3.45 0.00 -3.55	17.02 -0.02 -2.00	24.16 -0.07 -1.08	26.65 -0.11 -0.78	18.73 -0.08 -1.63	16.56 -0.09 -2.05	14.63 -0.06 -2.28	21.02 -0.09 -1.39	31.09 -0.09 -0.12	33.48 -0.10 -0.01	34.59 -0.08 -0.01	24.66 -0.05 -1.07	17.94 -0.03 -2.02	18.43 -0.07 -1.65	6.71 -0.01 -3.14
DAHOWA__HYDRO 323763	46.04 -0.86 -61.67	43.75 -1.14 -66.31	35.65 -0.12 -38.08	37.64 0.05 -36.64	37.55 -0.64 -49.75	39.52 -0.72 -52.85	36.21 -0.63 -47.54	38.13 -0.59 -48.61	34.27 0.49 -25.12	38.76 0.00 -38.87	37.82 0.91 -21.87	36.29 1.34 -11.80	36.00 1.48 -8.54	35.87 0.91 -17.77	37.77 0.77 -22.39	38.00 0.69 -24.90	36.15 1.18 -15.26	34.25 1.92 -1.27	35.84 2.16 -0.11	36.99 2.19 -0.15	36.84 1.48 -11.73	39.06 1.04 -22.07	35.93 1.08 -18.00	38.19 0.23 -34.38
DANC__LFGE 323619	-10.55 0.51 -3.71	-16.69 0.74 -3.99	0.06 0.08 -2.29	3.11 -0.04 -2.20	-8.16 0.40 -2.99	-8.98 0.44 -3.18	-7.48 0.36 -2.86	-6.67 0.30 -2.93	9.90 -0.27 -1.51	2.23 0.00 -2.34	15.81 -0.55 -1.32	23.08 -0.78 -0.71	25.53 -0.95 -0.51	17.58 -0.68 -1.07	15.35 -0.60 -1.35	13.39 -0.53 -1.50	19.89 -0.74 -0.92	30.10 -1.04 -0.08	32.63 -0.94 -0.01	33.98 -0.68 -0.01	23.97 -0.36 -0.71	17.14 -0.13 -1.33	17.63 -0.32 -1.08	5.59 -0.05 -2.07
DANSKAMMER__1 23586	37.31 -0.81 -52.90	34.29 -1.16 -56.87	30.23 -0.12 -32.66	32.41 0.04 -31.42	30.48 -0.63 -42.67	32.03 -0.69 -45.33	29.45 -0.63 -40.77	31.23 -0.57 -41.70	30.71 0.50 -21.55	33.24 0.00 -33.34	34.74 0.94 -18.76	34.73 1.46 -10.12	34.93 1.62 -7.33	33.55 1.12 -15.25	34.74 0.93 -19.21	34.55 0.79 -21.35	34.10 1.30 -13.08	34.20 2.05 -1.09	35.71 2.05 -0.09	36.88 2.09 -0.13	35.21 1.52 -10.06	35.85 0.97 -18.93	33.29 0.99 -15.43	33.27 0.21 -29.49
DANSKAMMER__2 23589	37.31 -0.81 -52.90	34.29 -1.16 -56.87	30.23 -0.12 -32.66	32.41 0.04 -31.42	30.48 -0.63 -42.67	32.03 -0.69 -45.33	29.45 -0.63 -40.77	31.23 -0.57 -41.70	30.71 0.50 -21.55	33.24 0.00 -33.34	34.74 0.94 -18.76	34.73 1.46 -10.12	34.93 1.62 -7.33	33.55 1.12 -15.25	34.74 0.93 -19.21	34.55 0.79 -21.35	34.10 1.30 -13.08	34.20 2.05 -1.09	35.71 2.05 -0.09	36.88 2.09 -0.13	35.21 1.52 -10.06	35.85 0.97 -18.93	33.29 0.99 -15.43	33.27 0.21 -29.49
DANSKAMMER__3 23590	37.31 -0.81 -52.90	34.29 -1.16 -56.87	30.23 -0.12 -32.66	32.41 0.04 -31.42	30.48 -0.63 -42.67	32.03 -0.69 -45.33	29.45 -0.63 -40.77	31.23 -0.57 -41.70	30.71 0.50 -21.55	33.24 0.00 -33.34	34.74 0.94 -18.76	34.73 1.46 -10.12	34.93 1.62 -7.33	33.55 1.12 -15.25	34.74 0.93 -19.21	34.55 0.79 -21.35	34.10 1.30 -13.08	34.20 2.05 -1.09	35.71 2.05 -0.09	36.88 2.09 -0.13	35.21 1.52 -10.06	35.85 0.97 -18.93	33.29 0.99 -15.43	33.27 0.21 -29.49

DANSKAMMER___4 23591	37.31 -0.81 -52.90	34.29 -1.16 -56.87	30.23 -0.12 -32.66	32.41 0.04 -31.42	30.48 -0.63 -42.67	32.03 -0.69 -45.33	29.45 -0.63 -40.77	31.23 -0.57 -41.70	30.71 0.50 -21.55	33.24 0.00 -33.34	34.74 0.94 -18.76	34.73 1.46 -10.12	34.93 1.62 -7.33	33.55 1.12 -15.25	34.74 0.93 -19.21	34.55 0.79 -21.35	34.10 1.30 -13.08	34.20 2.05 -1.09	35.71 2.05 -0.09	36.88 2.09 -0.13	35.21 1.52 -10.06	35.85 0.97 -18.93	33.29 0.99 -15.43	33.27 0.21 -29.49
DANSKAMMER___DIESEL 23592	37.32 -0.81 -52.90	34.29 -1.16 -56.87	30.23 -0.12 -32.66	32.41 0.04 -31.42	30.48 -0.63 -42.67	32.03 -0.69 -45.33	29.45 -0.63 -40.77	31.23 -0.57 -41.70	30.71 0.50 -21.55	33.24 0.00 -33.34	34.74 0.94 -18.76	34.73 1.46 -10.12	34.92 1.62 -7.33	33.55 1.12 -15.25	34.74 0.93 -19.21	34.55 0.79 -21.35	34.10 1.30 -13.08	34.19 2.04 -1.09	35.71 2.05 -0.09	36.88 2.09 -0.13	35.21 1.52 -10.06	35.85 0.97 -18.93	33.29 0.99 -15.43	33.27 0.21 -29.49
DARBY___SOLAR 323810	46.02 -0.79 -61.59	43.74 -1.05 -66.22	35.61 -0.12 -38.03	37.58 0.05 -36.59	37.53 -0.60 -49.68	39.50 -0.67 -52.78	36.20 -0.58 -47.47	38.11 -0.54 -48.55	34.19 0.44 -25.09	38.71 0.00 -38.82	37.71 0.82 -21.84	36.15 1.22 -11.78	35.85 1.34 -8.53	35.77 0.83 -17.75	37.68 0.71 -22.36	37.91 0.63 -24.87	36.02 1.07 -15.24	34.06 1.74 -1.27	35.63 1.95 -0.11	36.77 1.96 -0.15	36.69 1.34 -11.72	38.94 0.95 -22.05	35.81 0.98 -17.97	38.12 0.21 -34.33
DASHVILLE___HYD 23610	38.40 -0.62 -53.80	35.53 -0.89 -57.84	30.82 -0.09 -33.22	32.95 0.04 -31.96	31.36 -0.48 -43.39	32.97 -0.52 -46.10	30.30 -0.47 -41.46	32.08 -0.43 -42.40	30.98 0.41 -21.92	33.81 0.01 -33.91	34.87 0.75 -19.08	34.60 1.16 -10.29	34.72 1.29 -7.45	33.58 0.89 -15.50	34.87 0.74 -19.53	34.75 0.61 -21.72	34.06 1.04 -13.30	33.85 1.69 -1.11	35.35 1.69 -0.09	36.50 1.71 -0.13	35.06 1.19 -10.24	35.96 0.76 -19.25	33.34 0.79 -15.70	33.73 0.16 -29.99
DELAWARE___LFGE 323621	9.04 -0.39 -24.22	3.98 -0.63 -26.04	12.57 -0.06 -14.93	15.35 0.02 -14.39	7.65 -0.33 -19.54	7.78 -0.37 -20.75	7.67 -0.30 -18.67	8.90 -0.30 -19.09	18.75 0.23 -9.87	15.16 0.00 -15.26	24.07 0.44 -8.59	28.45 0.67 -4.63	30.05 0.72 -3.36	24.67 0.50 -6.98	23.80 0.41 -8.79	22.53 0.34 -9.78	26.28 0.57 -5.99	32.49 0.93 -0.50	34.59 0.98 -0.04	35.71 0.99 -0.06	28.96 0.72 -4.61	25.08 0.46 -8.67	24.39 0.46 -7.07	17.18 0.10 -13.50
DERFIELD_115KV_TB7 355931	-14.84 -0.06 0.00	-21.51 -0.09 0.00	-2.32 -0.01 0.00	0.95 0.00 0.00	-11.62 -0.06 0.00	-12.67 -0.06 0.00	-10.75 -0.06 0.00	-9.95 -0.05 0.00	8.69 0.03 0.00	-0.10 0.00 0.00	15.12 0.08 0.00	23.27 0.11 0.00	26.11 0.13 0.00	17.27 0.08 0.00	14.66 0.06 0.00	12.46 0.05 0.00	19.80 0.08 0.00	31.19 0.13 0.00	33.70 0.13 0.00	34.79 0.14 0.00	23.75 0.12 0.00	16.03 0.08 0.00	16.94 0.08 0.00	3.60 0.02 0.00
DOGLEVILLE___HYD 23807	-15.77 -0.99 0.00	-22.15 -0.73 0.00	-2.39 -0.08 0.00	0.97 0.03 0.00	-12.04 -0.48 0.00	-13.19 -0.58 0.00	-11.19 -0.49 0.00	-10.37 -0.47 0.00	9.02 0.36 0.00	-0.10 0.00 0.00	15.79 0.75 0.00	24.11 0.96 0.00	27.04 1.06 0.00	17.91 0.72 0.00	15.19 0.58 0.00	12.85 0.44 0.00	20.51 0.79 0.00	32.23 1.17 0.00	34.98 1.41 0.00	36.10 1.44 0.00	24.80 1.18 0.00	16.71 0.76 0.00	17.60 0.74 0.00	3.76 0.18 0.00
DUNKIRK___115KV_TB_200 55889	-7.11 0.87 -6.80	-10.45 1.17 -9.81	3.51 0.14 -5.68	6.29 -0.07 -5.42	-3.96 0.24 -7.36	-4.63 0.16 -7.82	-3.53 0.13 -7.03	-2.66 0.05 -7.19	12.12 -0.24 -3.71	5.51 0.00 -5.62	11.80 -0.40 2.83	21.64 -0.73 0.79	26.35 -0.89 -1.26	19.20 -0.62 -2.63	17.41 -0.50 -3.31	15.66 -0.44 -3.68	21.28 -0.70 -2.25	30.19 -1.05 -0.19	32.37 -1.21 -0.02	33.61 -1.07 -0.02	24.46 -0.90 -1.74	18.54 -0.67 -3.27	18.79 -0.73 -2.66	8.53 -0.13 -5.08
DUNKIRK___1 23563	-7.11 0.87 -6.80	-10.45 1.17 -9.81	3.51 0.14 -5.68	6.29 -0.07 -5.42	-3.96 0.24 -7.36	-4.63 0.16 -7.82	-3.53 0.13 -7.03	-2.66 0.05 -7.19	12.12 -0.24 -3.71	5.51 0.00 -5.62	11.80 -0.40 2.83	21.64 -0.73 0.79	26.35 -0.89 -1.26	19.20 -0.62 -2.63	17.41 -0.50 -3.31	15.66 -0.44 -3.68	21.28 -0.70 -2.25	30.19 -1.05 -0.19	32.37 -1.21 -0.02	33.61 -1.07 -0.02	24.46 -0.90 -1.74	18.54 -0.67 -3.27	18.79 -0.73 -2.66	8.53 -0.13 -5.08
DUNKIRK___2 23564	-7.11 0.87 -6.80	-10.45 1.17 -9.81	3.51 0.14 -5.68	6.29 -0.07 -5.42	-3.96 0.24 -7.36	-4.63 0.16 -7.82	-3.53 0.13 -7.03	-2.66 0.05 -7.19	12.12 -0.24 -3.71	5.51 0.00 -5.62	11.80 -0.40 2.83	21.64 -0.73 0.79	26.35 -0.89 -1.26	19.20 -0.62 -2.63	17.41 -0.50 -3.31	15.66 -0.44 -3.68	21.28 -0.70 -2.25	30.19 -1.05 -0.19	32.37 -1.21 -0.02	33.61 -1.07 -0.02	24.46 -0.90 -1.74	18.54 -0.67 -3.27	18.79 -0.73 -2.66	8.53 -0.13 -5.08
DUNKIRK___3 23565	-7.34 0.83 -6.61	-10.52 1.13 -9.77	3.47 0.13 -5.66	6.27 -0.08 -5.40	-4.00 0.23 -7.33	-4.68 0.15 -7.79	-3.57 0.12 -7.00	-2.68 0.06 -7.16	12.10 -0.25 -3.69	5.48 0.00 -5.59	11.37 -0.42 3.26	21.42 -0.77 0.96	26.29 -0.94 -1.25	19.15 -0.65 -2.61	17.36 -0.53 -3.29	15.59 -0.49 -3.67	21.16 -0.81 -2.25	30.05 -1.20 -0.19	32.20 -1.38 -0.02	33.40 -1.28 -0.02	24.31 -1.05 -1.73	18.43 -0.77 -3.25	18.72 -0.79 -2.65	8.50 -0.14 -5.07
DUNKIRK___4 23566	-7.34 0.83 -6.61	-10.52 1.13 -9.77	3.47 0.13 -5.66	6.27 -0.08 -5.40	-4.00 0.23 -7.33	-4.68 0.15 -7.79	-3.57 0.12 -7.00	-2.68 0.06 -7.16	12.10 -0.25 -3.69	5.48 0.00 -5.59	11.37 -0.42 3.26	21.42 -0.77 0.96	26.29 -0.94 -1.25	19.15 -0.65 -2.61	17.36 -0.53 -3.29	15.59 -0.49 -3.67	21.16 -0.81 -2.25	30.05 -1.20 -0.19	32.20 -1.38 -0.02	33.40 -1.28 -0.02	24.31 -1.05 -1.73	18.43 -0.77 -3.25	18.72 -0.79 -2.65	8.50 -0.14 -5.07
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	37.20 -0.79 -52.76	34.18 -1.12 -56.73	30.16 -0.12 -32.58	32.33 0.04 -31.35	30.39 -0.62 -42.56	31.94 -0.67 -45.22	29.36 -0.62 -40.67	31.14 -0.55 -41.59	30.64 0.49 -21.49	33.15 0.00 -33.25	34.64 0.89 -18.71	34.65 1.41 -10.09	34.83 1.55 -7.31	33.49 1.09 -15.21	34.67 0.91 -19.16	34.47 0.76 -21.30	34.02 1.25 -13.05	34.10 1.96 -1.09	35.59 1.93 -0.09	36.77 1.98 -0.13	35.13 1.46 -10.04	35.76 0.92 -18.89	33.22 0.97 -15.40	33.19 0.21 -29.41
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	36.47 -0.73 -51.98	33.40 -1.06 -55.88	29.67 -0.11 -32.09	31.86 0.04 -30.88	29.79 -0.58 -41.92	31.30 -0.63 -44.54	28.79 -0.57 -40.06	30.55 -0.52 -40.97	30.28 0.45 -21.17	32.66 0.00 -32.76	34.32 0.85 -18.43	34.41 1.31 -9.94	34.62 1.44 -7.20	33.18 1.01 -14.98	34.31 0.84 -18.87	34.10 0.71 -20.98	33.74 1.17 -12.86	33.96 1.83 -1.07	35.50 1.84 -0.09	36.66 1.88 -0.13	34.89 1.38 -9.89	35.43 0.88 -18.61	32.92 0.90 -15.16	32.74 0.19 -28.97
E179THST_138_KV_TB4_REV_LBMP_J 345001	37.24 -0.75 -52.77	34.21 -1.10 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.16 -0.53 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.60 0.85 -18.71	34.65 1.40 -10.09	34.84 1.55 -7.31	33.51 1.11 -15.21	34.65 0.89 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.98 -1.09	35.61 1.95 -0.09	36.74 1.96 -0.13	35.11 1.44 -10.04	35.75 0.92 -18.89	33.27 1.02 -15.40	33.21 0.21 -29.41

E179THST_13_KV_LOAD 356214	37.20 -0.79 -52.77	34.15 -1.16 -56.73	30.15 -0.12 -32.58	32.34 0.04 -31.35	30.38 -0.62 -42.56	31.93 -0.68 -45.22	29.34 -0.64 -40.67	31.13 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.75 1.51 -10.09	34.95 1.67 -7.31	33.59 1.20 -15.21	34.72 0.96 -19.16	34.53 0.81 -21.30	34.12 1.35 -13.05	34.27 2.12 -1.09	35.76 2.10 -0.09	36.88 2.09 -0.13	35.20 1.53 -10.04	35.81 0.98 -18.89	33.33 1.07 -15.40	33.22 0.23 -29.41
EAST HAMPTON___GT 23717	36.55 -1.45 -52.77	33.25 -2.06 -56.74	30.09 -0.18 -32.59	32.40 0.10 -31.35	30.36 -0.65 -42.57	32.11 -0.51 -45.22	29.42 -0.55 -40.67	31.18 -0.52 -41.59	30.60 0.45 -21.50	33.16 0.01 -33.26	34.98 1.23 -18.71	35.11 1.87 -10.09	35.33 2.04 -7.31	33.79 1.39 -15.21	35.05 1.29 -19.16	34.73 1.01 -21.30	34.45 1.68 -13.05	34.78 2.63 -1.09	36.05 2.39 -0.09	37.46 2.68 -0.13	35.56 1.89 -10.04	35.90 1.07 -18.89	33.44 1.18 -15.40	33.24 0.25 -29.41
EAST RIVER___6 23660	37.24 -0.75 -52.77	34.26 -1.05 -56.73	30.17 -0.11 -32.58	32.33 0.04 -31.35	30.43 -0.58 -42.56	31.99 -0.62 -45.22	29.39 -0.58 -40.67	31.18 -0.52 -41.59	30.63 0.48 -21.50	33.16 0.00 -33.25	34.58 0.83 -18.71	34.57 1.32 -10.09	34.74 1.45 -7.31	33.43 1.03 -15.21	34.62 0.86 -19.16	34.44 0.72 -21.30	33.97 1.20 -13.05	34.06 1.92 -1.09	35.53 1.87 -0.09	36.70 1.92 -0.13	35.09 1.42 -10.04	35.72 0.88 -18.89	33.17 0.92 -15.40	33.19 0.20 -29.41
EAST RIVER___7 23524	37.24 -0.75 -52.77	34.26 -1.05 -56.73	30.17 -0.11 -32.58	32.33 0.04 -31.35	30.43 -0.58 -42.56	31.99 -0.62 -45.22	29.39 -0.58 -40.67	31.18 -0.52 -41.59	30.63 0.48 -21.50	33.16 0.00 -33.25	34.58 0.83 -18.71	34.57 1.32 -10.09	34.74 1.45 -7.31	33.43 1.03 -15.21	34.62 0.86 -19.16	34.44 0.72 -21.30	33.97 1.20 -13.05	34.06 1.92 -1.09	35.53 1.87 -0.09	36.70 1.92 -0.13	35.09 1.42 -10.04	35.72 0.88 -18.89	33.17 0.92 -15.40	33.19 0.20 -29.41
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	37.18 -0.77 -52.72	34.17 -1.09 -56.69	30.13 -0.11 -32.56	32.30 0.04 -31.32	30.37 -0.60 -42.53	31.93 -0.65 -45.18	29.35 -0.60 -40.64	31.12 -0.54 -41.56	30.61 0.47 -21.48	33.13 0.00 -33.23	34.61 0.87 -18.70	34.61 1.37 -10.08	34.80 1.52 -7.30	33.45 1.06 -15.20	34.63 0.88 -19.14	34.44 0.74 -21.28	33.99 1.23 -13.04	34.06 1.91 -1.09	35.54 1.88 -0.09	36.70 1.92 -0.13	35.08 1.41 -10.03	35.72 0.90 -18.87	33.18 0.94 -15.38	33.16 0.20 -29.39
EAST_HAMPTON___DIESEL 23722	36.55 -1.44 -52.77	33.26 -2.05 -56.74	30.09 -0.18 -32.59	32.40 0.10 -31.35	30.38 -0.63 -42.57	32.13 -0.48 -45.22	29.44 -0.53 -40.67	31.20 -0.50 -41.59	30.58 0.43 -21.50	33.16 0.01 -33.26	34.95 1.20 -18.71	35.07 1.82 -10.09	35.28 1.99 -7.31	33.75 1.36 -15.21	35.02 1.26 -19.16	34.71 0.99 -21.30	34.41 1.64 -13.05	34.72 2.57 -1.09	35.98 2.32 -0.09	37.40 2.62 -0.13	35.51 1.84 -10.04	35.87 1.04 -18.89	33.41 1.16 -15.40	33.24 0.24 -29.41
EAST_POINT___SOLAR 323840	51.30 -0.61 -66.68	49.37 -0.90 -71.70	38.78 -0.09 -41.18	40.59 0.04 -39.61	41.79 -0.44 -53.79	44.03 -0.51 -57.15	40.26 -0.45 -51.40	42.23 -0.44 -52.56	36.21 0.39 -27.17	41.92 0.00 -42.03	39.34 0.65 -23.65	36.70 0.79 -12.75	36.03 0.82 -9.24	36.96 0.55 -19.22	39.32 0.50 -24.21	39.70 0.37 -26.92	36.70 0.49 -16.49	33.62 1.19 -1.37	35.16 1.48 -0.12	36.53 1.72 -0.16	37.53 1.22 -12.69	40.60 0.78 -23.87	37.13 0.81 -19.46	40.91 0.16 -37.17
EAST_PULASKI___ESR 323781	-10.30 0.31 -4.16	-16.49 0.46 -4.48	0.31 0.05 -2.57	3.39 -0.03 -2.47	-7.98 0.22 -3.36	-8.82 0.22 -3.57	-7.31 0.18 -3.21	-6.47 0.15 -3.28	10.20 -0.15 -1.70	2.52 0.00 -2.62	16.22 -0.29 -1.48	23.51 -0.43 -0.80	26.00 -0.55 -0.58	17.99 -0.39 -1.20	15.76 -0.35 -1.51	13.79 -0.31 -1.68	20.29 -0.45 -1.03	30.48 -0.66 -0.08	32.92 -0.65 -0.01	34.08 -0.58 -0.01	24.11 -0.31 -0.79	17.25 -0.18 -1.49	17.80 -0.28 -1.22	5.85 -0.05 -2.32
EAST_RIVER___1 323558	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.62 0.86 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.47 1.07 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.09 1.95 -1.09	35.57 1.91 -0.09	36.74 1.95 -0.13	35.11 1.44 -10.04	35.74 0.91 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
EAST_RIVER___2 323559	37.24 -0.75 -52.77	34.26 -1.05 -56.73	30.17 -0.11 -32.58	32.33 0.04 -31.35	30.43 -0.58 -42.56	31.99 -0.62 -45.22	29.39 -0.58 -40.67	31.18 -0.52 -41.59	30.63 0.48 -21.50	33.16 0.00 -33.25	34.58 0.83 -18.71	34.57 1.32 -10.09	34.74 1.45 -7.31	33.43 1.03 -15.21	34.62 0.86 -19.16	34.44 0.72 -21.30	33.97 1.20 -13.05	34.06 1.92 -1.09	35.53 1.87 -0.09	36.70 1.92 -0.13	35.09 1.42 -10.04	35.72 0.88 -18.89	33.17 0.92 -15.40	33.19 0.20 -29.41
EAST___DELAWARE_HYD 23607	34.80 -0.76 -50.34	31.61 -1.08 -54.12	28.66 -0.11 -31.08	30.88 0.04 -29.90	28.47 -0.58 -40.60	29.89 -0.63 -43.13	27.53 -0.57 -38.80	29.25 -0.53 -39.67	29.62 0.47 -20.51	31.62 0.00 -31.72	33.79 0.90 -17.85	34.15 1.37 -9.63	34.46 1.51 -6.97	32.73 1.04 -14.51	33.74 0.87 -18.27	33.47 0.73 -20.32	33.36 1.20 -12.45	33.99 1.89 -1.04	35.57 1.91 -0.09	36.77 1.99 -0.12	34.65 1.45 -9.58	34.89 0.92 -18.02	32.47 0.92 -14.69	31.83 0.19 -28.06
EIGHT_POINT___WT_PWR 323820	3.68 1.25 -17.21	-8.12 1.73 -11.58	4.94 0.20 -7.05	7.24 -0.10 -6.40	-2.17 0.70 -8.69	-2.73 0.65 -9.23	-1.91 0.49 -8.30	-1.01 0.39 -8.49	12.53 -0.51 -4.39	7.01 0.01 -7.11	34.92 -0.79 -20.67	30.99 -1.24 -9.08	25.88 -1.59 -1.49	19.27 -1.02 -3.10	17.87 -0.64 -3.91	16.20 -0.56 -4.35	21.74 -0.64 -2.66	30.59 -0.69 -0.22	32.97 -0.62 -0.02	34.03 -0.65 -0.03	25.01 -0.66 -2.05	19.26 -0.54 -3.85	19.48 -0.52 -3.14	9.47 -0.11 -6.00
ELBRIDGE_115KV_TB2 80188	-8.69 0.13 -5.96	-14.84 0.18 -6.40	1.39 0.02 -3.68	4.47 -0.01 -3.54	-6.71 0.04 -4.80	-7.48 0.03 -5.11	-6.07 0.03 -4.59	-5.20 0.01 -4.70	11.04 -0.04 -2.43	3.65 0.00 -3.75	17.06 -0.09 -2.11	24.11 -0.18 -1.14	26.58 -0.22 -0.83	18.74 -0.16 -1.72	16.61 -0.16 -2.16	14.70 -0.11 -2.40	21.01 -0.18 -1.47	30.97 -0.21 -0.12	33.34 -0.23 -0.01	34.45 -0.22 -0.01	24.60 -0.16 -1.13	17.97 -0.10 -2.13	18.45 -0.15 -1.74	6.87 -0.03 -3.32
ELEC_TRO_TEK 24086	37.12 -0.87 -52.77	34.08 -1.24 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.36 -0.65 -42.57	31.95 -0.66 -45.22	29.34 -0.63 -40.67	31.13 -0.57 -41.59	30.64 0.49 -21.50	33.16 0.00 -33.26	34.82 1.06 -18.71	34.90 1.66 -10.09	35.09 1.81 -7.31	33.65 1.25 -15.21	34.85 1.09 -19.16	34.60 0.88 -21.30	34.21 1.44 -13.05	34.39 2.24 -1.09	35.76 2.10 -0.09	37.06 2.28 -0.13	35.32 1.65 -10.04	35.85 1.01 -18.89	33.32 1.06 -15.40	33.21 0.21 -29.41
ELLENBURG_WT_PWR 323604	-14.75 0.03 0.00	-21.32 0.10 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.33 0.23 0.00	-12.28 0.33 0.00	-10.39 0.31 0.00	-9.60 0.30 0.00	8.44 -0.22 0.00	-0.11 0.00 0.00	14.68 -0.36 0.00	22.66 -0.49 0.00	25.48 -0.50 0.00	16.88 -0.31 0.00	14.37 -0.23 0.00	12.27 -0.15 0.00	19.43 -0.29 0.00	30.64 -0.42 0.00	33.21 -0.35 0.00	34.40 -0.25 0.00	23.48 -0.15 0.00	15.85 -0.09 0.00	16.76 -0.10 0.00	3.55 -0.03 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	-7.92 0.75 -6.11	-11.08 1.05 -9.29	3.17 0.10 -5.38	5.98 -0.10 -5.13	-4.42 0.16 -6.97	-5.09 0.11 -7.41	-3.94 0.09 -6.66	-3.05 0.04 -6.81	11.91 -0.27 -3.52	5.20 -0.01 -5.32	11.02 -0.50 3.53	21.14 -0.92 1.09	26.09 -1.08 -1.20	18.96 -0.72 -2.49	17.14 -0.59 -3.14	15.32 -0.58 -3.49	20.82 -1.04 -2.14	29.76 -1.48 -0.18	31.87 -1.72 -0.02	32.96 -1.72 -0.02	23.90 -1.37 -1.64	18.10 -0.94 -3.09	18.49 -0.89 -2.52	8.22 -0.17 -4.82
EMPIRE_CC_1 323656	43.18 -0.44 -58.39	40.77 -0.59 -62.78	33.67 -0.07 -36.06	35.66 0.03 -34.69	35.15 -0.40 -47.10	37.01 -0.42 -50.04	33.95 -0.36 -45.01	35.80 -0.33 -46.03	32.69 0.24 -23.79	36.70 0.00 -36.80	36.19 0.45 -20.71	35.01 0.69 -11.17	34.85 0.79 -8.09	34.50 0.48 -16.83	36.23 0.43 -21.20	36.34 0.35 -23.57	34.70 0.54 -14.44	33.10 0.84 -1.20	34.61 0.94 -0.10	35.66 0.86 -0.14	35.40 0.66 -11.11	37.34 0.49 -20.90	34.51 0.62 -17.04	36.27 0.14 -32.55
EMPIRE_CC_2 323658	43.18 -0.44 -58.39	40.77 -0.59 -62.78	33.67 -0.07 -36.06	35.66 0.03 -34.69	35.15 -0.40 -47.10	37.01 -0.42 -50.04	33.95 -0.36 -45.01	35.80 -0.33 -46.03	32.69 0.24 -23.79	36.70 0.00 -36.80	36.19 0.45 -20.71	35.01 0.69 -11.17	34.85 0.79 -8.09	34.50 0.48 -16.83	36.23 0.43 -21.20	36.34 0.35 -23.57	34.70 0.54 -14.44	33.10 0.84 -1.20	34.61 0.94 -0.10	35.66 0.86 -0.14	35.40 0.66 -11.11	37.34 0.49 -20.90	34.51 0.62 -17.04	36.27 0.14 -32.55
ENORWICH_115KV_TB1 80156	2.44 -0.44 -17.65	-3.36 -0.51 -18.58	8.35 0.01 -10.64	11.19 -0.02 -10.27	2.14 -0.24 -13.94	1.91 -0.29 -14.81	2.41 -0.22 -13.32	3.29 -0.44 -13.62	15.93 0.24 -7.04	10.80 -0.01 -10.91	22.52 0.38 -7.10	27.29 0.43 -3.71	28.68 0.31 -2.39	22.44 0.27 -4.98	21.00 0.12 -6.27	19.46 0.07 -6.98	24.24 0.25 -4.28	32.14 0.72 -0.36	34.60 1.00 -0.03	36.05 1.35 -0.04	27.91 0.99 -3.29	22.70 0.57 -6.19	22.39 0.49 -5.05	13.34 0.13 -9.63
ERIE_ST__34_KV_TB1-2 80199	-7.00 0.77 -7.01	-10.72 1.08 -9.62	3.37 0.10 -5.57	6.17 -0.09 -5.32	-4.15 0.19 -7.22	-4.81 0.13 -7.67	-3.69 0.11 -6.90	-2.78 0.06 -7.05	12.05 -0.25 -3.64	5.41 -0.01 -5.53	11.93 -0.40 2.71	21.57 -0.84 0.74	26.16 -1.06 -1.24	19.06 -0.70 -2.58	17.25 -0.59 -3.25	15.43 -0.60 -3.61	20.91 -1.02 -2.21	29.88 -1.37 -0.18	32.00 -1.59 -0.02	33.10 -1.58 -0.02	24.03 -1.30 -1.70	18.26 -0.90 -3.21	18.61 -0.86 -2.61	8.40 -0.16 -4.99
ERIE_WT_PWR 323693	-7.69 0.73 -6.35	-10.86 1.03 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.25 0.16 -7.15	-4.91 0.10 -7.60	-3.78 0.08 -6.83	-2.88 0.03 -6.99	12.00 -0.26 -3.61	5.35 -0.01 -5.46	11.23 -0.45 3.37	21.27 -0.87 1.02	26.19 -1.01 -1.23	19.06 -0.68 -2.55	17.28 -0.54 -3.22	15.45 -0.54 -3.58	20.95 -0.96 -2.19	29.89 -1.36 -0.18	32.05 -1.53 -0.02	33.18 -1.49 -0.02	24.08 -1.24 -1.69	18.27 -0.85 -3.17	18.62 -0.82 -2.59	8.37 -0.15 -4.94
ESPRGFLD_115KV_TB1 80157	-11.31 -0.29 -3.75	-17.88 -0.49 -4.03	-0.03 -0.03 -2.32	3.19 0.01 -2.23	-8.74 -0.21 -3.03	-9.64 -0.25 -3.22	-8.02 -0.22 -2.89	-7.16 -0.23 -2.96	10.38 0.20 -1.53	2.25 -0.01 -2.36	16.73 0.36 -1.33	24.37 0.50 -0.72	26.99 0.50 -0.52	18.62 0.34 -1.08	16.27 0.30 -1.36	14.15 0.22 -1.51	20.99 0.35 -0.93	31.85 0.71 -0.08	34.39 0.82 -0.01	35.61 0.95 -0.01	25.00 0.66 -0.71	17.69 0.40 -1.34	18.36 0.41 -1.10	5.75 0.08 -2.09
ETNA_115_KV_TB1_REV_LBMP_C 345029	-2.00 -0.11 -12.89	-8.39 -0.17 -13.20	5.24 -0.01 -7.56	8.24 0.00 -7.29	-1.79 -0.14 -9.90	-2.27 -0.18 -10.52	-1.38 -0.15 -9.46	-0.40 -0.18 -9.68	13.77 0.11 -5.00	7.66 0.00 -7.77	21.18 0.19 -5.95	26.37 0.20 -3.02	27.85 0.17 -1.70	20.79 0.07 -3.54	19.09 0.03 -4.46	17.42 0.05 -4.96	22.87 0.11 -3.04	31.62 0.30 -0.25	33.99 0.40 -0.02	35.19 0.50 -0.03	26.32 0.36 -2.34	20.56 0.22 -4.39	20.61 0.17 -3.58	10.46 0.04 -6.84
ETNA____115KV_TB2 80207	-2.00 -0.11 -12.89	-8.39 -0.17 -13.20	5.24 -0.01 -7.56	8.24 0.00 -7.29	-1.79 -0.14 -9.90	-2.27 -0.18 -10.52	-1.38 -0.15 -9.46	-0.40 -0.18 -9.68	13.77 0.11 -5.00	7.66 0.00 -7.77	21.18 0.19 -5.95	26.37 0.20 -3.02	27.85 0.17 -1.70	20.79 0.07 -3.54	19.09 0.03 -4.46	17.42 0.05 -4.96	22.87 0.11 -3.04	31.62 0.30 -0.25	33.99 0.40 -0.02	35.19 0.50 -0.03	26.32 0.36 -2.34	20.56 0.22 -4.39	20.61 0.17 -3.58	10.46 0.04 -6.84
EUCLID__115KV_TB2 356179	-9.82 0.22 -4.74	-16.02 0.31 -5.10	0.65 0.03 -2.93	3.74 -0.02 -2.82	-7.61 0.12 -3.82	-8.43 0.12 -4.06	-6.95 0.10 -3.66	-6.08 0.08 -3.74	10.49 -0.10 -1.93	2.88 0.00 -2.99	16.56 -0.16 -1.68	23.78 -0.28 -0.91	26.29 -0.34 -0.66	18.32 -0.24 -1.37	16.12 -0.21 -1.72	14.15 -0.18 -1.91	20.61 -0.28 -1.17	30.75 -0.41 -0.10	33.12 -0.45 -0.01	34.21 -0.46 -0.01	24.24 -0.28 -0.90	17.45 -0.19 -1.70	18.02 -0.22 -1.38	6.17 -0.04 -2.64
E_CANADA_CAP_HY 24051	54.28 -0.35 -69.42	52.65 -0.55 -74.63	40.51 -0.04 -42.86	42.20 0.02 -41.24	44.19 -0.24 -55.99	46.60 -0.28 -59.48	42.56 -0.25 -53.50	44.58 -0.24 -54.71	37.16 0.23 -28.28	43.64 0.00 -43.75	40.04 0.38 -24.62	36.92 0.50 -13.28	36.08 0.48 -9.62	37.53 0.33 -20.01	40.11 0.31 -25.20	40.65 0.22 -28.02	37.18 0.30 -17.17	33.16 0.67 -1.43	34.51 0.83 -0.12	35.79 0.97 -0.17	37.52 0.68 -13.21	41.22 0.43 -24.85	37.60 0.48 -20.25	42.37 0.10 -38.69
E_CANADA_MHWK_HY 24050	-15.77 -0.99 0.00	-22.15 -0.73 0.00	-2.39 -0.08 0.00	0.97 0.03 0.00	-12.04 -0.48 0.00	-13.19 -0.58 0.00	-11.19 -0.49 0.00	-10.37 -0.47 0.00	9.02 0.36 0.00	-0.10 0.00 0.00	15.79 0.75 0.00	24.11 0.96 0.00	27.04 1.06 0.00	17.91 0.72 0.00	15.19 0.58 0.00	12.85 0.44 0.00	20.51 0.79 0.00	32.23 1.17 0.00	34.98 1.41 0.00	36.10 1.44 0.00	24.80 1.18 0.00	16.71 0.76 0.00	17.60 0.74 0.00	3.76 0.18 0.00
E_FISHKILL__LBMP 23776	38.11 -0.67 -53.56	35.20 -0.96 -57.58	30.66 -0.10 -33.07	32.79 0.03 -31.82	31.12 -0.52 -43.20	32.71 -0.58 -45.90	30.07 -0.52 -41.28	31.85 -0.47 -42.21	30.89 0.41 -21.82	33.65 0.00 -33.75	34.81 0.77 -18.99	34.61 1.22 -10.24	34.74 1.35 -7.42	33.56 0.94 -15.44	34.82 0.78 -19.44	34.69 0.65 -21.62	34.05 1.08 -13.25	33.85 1.69 -1.10	35.32 1.66 -0.09	36.46 1.68 -0.13	35.05 1.24 -10.19	35.90 0.79 -19.17	33.30 0.82 -15.63	33.60 0.17 -29.85
FALCON__SEABRD_CC1 323796	-14.88 -0.10 0.00	-21.50 -0.08 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.42 0.14 0.00	-12.40 0.21 0.00	-10.49 0.21 0.00	-9.68 0.21 0.00	8.51 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.80 -0.35 0.00	25.62 -0.35 0.00	16.98 -0.21 0.00	14.45 -0.15 0.00	12.34 -0.07 0.00	19.58 -0.14 0.00	30.90 -0.16 0.00	33.50 -0.07 0.00	34.67 0.02 0.00	23.71 0.08 0.00	16.01 0.06 0.00	16.90 0.04 0.00	3.58 0.00 0.00
FALCON__SEABRD_CC2 323797	-14.88 -0.10 0.00	-21.50 -0.08 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.42 0.14 0.00	-12.40 0.21 0.00	-10.49 0.21 0.00	-9.68 0.21 0.00	8.51 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.80 -0.35 0.00	25.62 -0.35 0.00	16.98 -0.21 0.00	14.45 -0.15 0.00	12.34 -0.07 0.00	19.58 -0.14 0.00	30.90 -0.16 0.00	33.50 -0.07 0.00	34.67 0.02 0.00	23.71 0.08 0.00	16.01 0.06 0.00	16.90 0.04 0.00	3.58 0.00 0.00

FAR ROCKAWAY___4 23548	36.97 -1.03 -52.77	33.86 -1.45 -56.74	30.13 -0.14 -32.59	32.34 0.05 -31.35	30.24 -0.77 -42.57	31.83 -0.78 -45.22	29.24 -0.74 -40.67	31.03 -0.67 -41.59	30.73 0.57 -21.50	33.16 0.00 -33.26	35.01 1.25 -18.71	35.20 1.95 -10.09	35.42 2.14 -7.31	33.86 1.46 -15.21	35.04 1.28 -19.16	34.76 1.04 -21.30	34.46 1.69 -13.05	34.78 2.63 -1.09	36.19 2.53 -0.09	37.49 2.70 -0.13	35.63 1.96 -10.04	36.05 1.21 -18.89	33.51 1.26 -15.40	33.25 0.25 -29.41
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	37.20 -0.78 -52.77	34.20 -1.10 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.40 -0.61 -42.56	31.95 -0.66 -45.22	29.35 -0.62 -40.67	31.14 -0.55 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.63 0.88 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.49 1.10 -15.21	34.66 0.90 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.11 1.97 -1.09	35.60 1.94 -0.09	36.77 1.99 -0.13	35.14 1.47 -10.04	35.76 0.92 -18.89	33.23 0.97 -15.40	33.20 0.21 -29.41
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	37.20 -0.78 -52.77	34.20 -1.10 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.40 -0.61 -42.56	31.95 -0.66 -45.22	29.35 -0.62 -40.67	31.14 -0.55 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.63 0.88 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.49 1.09 -15.21	34.66 0.90 -19.16	34.47 0.76 -21.30	34.02 1.26 -13.05	34.11 1.96 -1.09	35.60 1.94 -0.09	36.77 1.99 -0.13	35.14 1.47 -10.04	35.76 0.92 -18.89	33.23 0.97 -15.40	33.20 0.21 -29.41
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	37.22 -0.77 -52.77	34.22 -1.09 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.40 -0.60 -42.56	31.95 -0.66 -45.22	29.36 -0.62 -40.67	31.15 -0.55 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.62 0.87 -18.71	34.63 1.38 -10.09	34.81 1.52 -7.31	33.48 1.09 -15.21	34.66 0.89 -19.16	34.46 0.75 -21.30	34.01 1.25 -13.05	34.09 1.95 -1.09	35.58 1.92 -0.09	36.76 1.97 -0.13	35.12 1.45 -10.04	35.75 0.91 -18.89	33.22 0.97 -15.40	33.19 0.20 -29.41
FARRAGUT___LBMP 323566	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.61 1.36 -10.09	34.79 1.51 -7.31	33.47 1.07 -15.21	34.65 0.89 -19.16	34.45 0.74 -21.30	34.00 1.24 -13.05	34.07 1.93 -1.09	35.56 1.89 -0.09	36.74 1.95 -0.13	35.11 1.44 -10.04	35.74 0.91 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
FARRCKWY_69_KV_BK2 55825	36.97 -1.03 -52.77	33.86 -1.45 -56.74	30.13 -0.14 -32.59	32.34 0.05 -31.35	30.24 -0.77 -42.57	31.83 -0.78 -45.22	29.24 -0.74 -40.67	31.03 -0.67 -41.59	30.73 0.57 -21.50	33.16 0.00 -33.26	35.01 1.25 -18.71	35.20 1.95 -10.09	35.42 2.14 -7.31	33.86 1.46 -15.21	35.04 1.28 -19.16	34.76 1.04 -21.30	34.46 1.69 -13.05	34.78 2.63 -1.09	36.19 2.53 -0.09	37.49 2.70 -0.13	35.63 1.96 -10.04	36.05 1.21 -18.89	33.51 1.26 -15.40	33.25 0.25 -29.41
FENNER___WINDPWR 24204	-8.10 -0.09 -6.77	-14.26 -0.12 -7.28	1.86 -0.01 -4.18	4.97 0.00 -4.02	-6.20 -0.10 -5.46	-6.93 -0.13 -5.80	-5.61 -0.13 -5.22	-4.70 -0.14 -5.34	11.52 0.11 -2.76	4.16 0.00 -4.27	17.61 0.17 -2.40	24.65 0.20 -1.30	27.12 0.20 -0.94	19.25 0.12 -1.95	17.12 0.06 -2.46	15.22 0.07 -2.73	21.59 0.20 -1.67	31.57 0.37 -0.14	34.08 0.50 -0.01	35.23 0.56 -0.02	25.34 0.43 -1.29	18.65 0.28 -2.42	19.09 0.25 -1.98	7.41 0.06 -3.78
FIBERTEK___ENERGY 23856	-9.06 0.07 -5.64	-15.26 0.10 -6.06	1.18 0.01 -3.48	4.29 -0.01 -3.35	-7.00 0.01 -4.55	-7.79 -0.01 -4.83	-6.35 -0.01 -4.35	-5.48 -0.02 -4.44	10.94 -0.01 -2.30	3.45 0.00 -3.55	17.02 -0.02 -2.00	24.16 -0.07 -1.08	26.65 -0.11 -0.78	18.73 -0.08 -1.63	16.56 -0.09 -2.05	14.63 -0.06 -2.28	21.02 -0.09 -1.39	31.09 -0.09 -0.12	33.48 -0.10 -0.01	34.59 -0.08 -0.01	24.66 -0.05 -1.07	17.94 -0.03 -2.02	18.43 -0.07 -1.65	6.71 -0.01 -3.14
FITZPATRICK___ 23598	-11.02 0.38 -3.38	-17.25 0.54 -3.63	-0.16 0.06 -2.09	2.92 -0.03 -2.01	-8.58 0.26 -2.73	-9.44 0.27 -2.90	-7.86 0.23 -2.61	-7.03 0.20 -2.67	9.83 -0.20 -1.38	2.02 0.00 -2.13	15.89 -0.35 -1.20	23.24 -0.56 -0.65	25.80 -0.65 -0.47	17.73 -0.44 -0.97	15.45 -0.38 -1.23	13.45 -0.32 -1.36	20.03 -0.52 -0.84	30.33 -0.80 -0.07	32.69 -0.88 -0.01	33.76 -0.91 -0.01	23.68 -0.59 -0.64	16.76 -0.40 -1.21	17.41 -0.44 -0.99	5.37 -0.09 -1.88
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	37.46 -0.84 -53.07	34.44 -1.19 -57.06	30.33 -0.12 -32.77	32.51 0.05 -31.53	30.60 -0.65 -42.81	32.16 -0.71 -45.48	29.56 -0.64 -40.90	31.34 -0.59 -41.83	30.79 0.52 -21.62	33.34 0.00 -33.45	34.84 0.98 -18.82	34.82 1.52 -10.15	35.01 1.68 -7.35	33.64 1.16 -15.30	34.83 0.96 -19.27	34.65 0.81 -21.42	34.18 1.34 -13.12	34.26 2.11 -1.09	35.79 2.13 -0.09	36.95 2.17 -0.13	35.29 1.57 -10.10	35.94 1.00 -18.99	33.37 1.03 -15.48	33.38 0.21 -29.58
FORT ORANGE___ 23900	44.69 -0.44 -59.90	42.36 -0.62 -64.40	34.60 -0.07 -36.99	36.56 0.03 -35.58	36.37 -0.39 -48.32	38.30 -0.42 -51.33	35.11 -0.36 -46.17	36.99 -0.33 -47.21	33.30 0.24 -24.40	37.65 0.00 -37.75	36.71 0.43 -21.24	35.28 0.67 -11.46	35.00 0.73 -8.30	34.91 0.46 -17.27	36.75 0.40 -21.75	36.93 0.34 -24.18	35.08 0.54 -14.82	33.16 0.87 -1.23	34.63 0.96 -0.11	35.70 0.89 -0.15	35.70 0.68 -11.40	37.86 0.47 -21.44	34.86 0.52 -17.48	37.10 0.13 -33.39
FORT_DRUM_COGEN 23780	-11.22 0.53 -3.03	-17.40 0.76 -3.26	-0.36 0.08 -1.87	2.71 -0.04 -1.80	-8.66 0.45 -2.45	-9.49 0.52 -2.60	-7.95 0.41 -2.34	-7.17 0.34 -2.39	9.60 -0.28 -1.23	1.80 -0.01 -1.91	15.48 -0.63 -1.08	22.87 -0.87 -0.58	25.33 -1.07 -0.42	17.28 -0.78 -0.87	15.01 -0.70 -1.10	13.04 -0.60 -1.22	19.67 -0.79 -0.75	30.12 -1.00 -0.06	32.74 -0.83 0.00	34.26 -0.40 -0.01	24.05 -0.16 -0.58	17.08 0.05 -1.09	17.55 -0.20 -0.88	5.24 -0.03 -1.69
FOX_HILLS___ESR 323835	37.17 -0.82 -52.77	34.15 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.62 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.65 0.90 -18.71	34.67 1.43 -10.09	34.87 1.58 -7.31	33.52 1.13 -15.21	34.68 0.92 -19.16	34.49 0.77 -21.30	34.06 1.29 -13.05	34.17 2.03 -1.09	35.65 1.99 -0.09	36.82 2.04 -0.13	35.17 1.51 -10.04	35.79 0.96 -18.89	33.27 1.01 -15.40	33.21 0.21 -29.41
FPL_FAR_ROCK_GT1 24212	36.96 -1.03 -52.77	33.86 -1.45 -56.74	30.13 -0.14 -32.59	32.34 0.05 -31.35	30.24 -0.77 -42.57	31.83 -0.78 -45.22	29.24 -0.74 -40.67	31.03 -0.67 -41.59	30.73 0.57 -21.50	33.16 0.01 -33.26	35.01 1.25 -18.71	35.20 1.95 -10.09	35.43 2.14 -7.31	33.86 1.46 -15.21	35.04 1.28 -19.16	34.76 1.04 -21.30	34.46 1.69 -13.05	34.79 2.64 -1.09	36.19 2.53 -0.09	37.49 2.70 -0.13	35.63 1.96 -10.04	36.05 1.21 -18.89	33.51 1.26 -15.40	33.25 0.25 -29.41
FPL_FAR_ROCK_GT2 23815	36.96 -1.03 -52.77	33.86 -1.45 -56.74	30.13 -0.14 -32.59	32.34 0.05 -31.35	30.24 -0.77 -42.57	31.83 -0.78 -45.22	29.24 -0.74 -40.67	31.03 -0.67 -41.59	30.73 0.57 -21.50	33.16 0.01 -33.26	35.01 1.25 -18.71	35.20 1.95 -10.09	35.43 2.14 -7.31	33.86 1.46 -15.21	35.04 1.28 -19.16	34.76 1.04 -21.30	34.46 1.69 -13.05	34.79 2.64 -1.09	36.19 2.53 -0.09	37.49 2.70 -0.13	35.63 1.96 -10.04	36.05 1.21 -18.89	33.51 1.26 -15.40	33.25 0.25 -29.41



FRANKLIN_FALL_HYD 24054	-14.81 -0.03 0.00	-21.40 0.02 0.00	-2.31 0.00 0.00	0.97 0.03 0.00	-11.37 0.19 0.00	-12.33 0.28 0.00	-10.44 0.25 0.00	-9.66 0.24 0.00	8.50 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.80 -0.36 0.00	25.61 -0.36 0.00	16.96 -0.22 0.00	14.44 -0.16 0.00	12.32 -0.10 0.00	19.52 -0.20 0.00	30.77 -0.29 0.00	33.37 -0.19 0.00	34.59 -0.07 0.00	23.62 -0.01 0.00	15.96 0.01 0.00	16.84 -0.02 0.00	3.56 -0.01 0.00
FREEPORT_EQUS_GT1 23764	37.01 -0.98 -52.77	33.93 -1.38 -56.74	30.14 -0.13 -32.59	32.35 0.05 -31.35	30.29 -0.72 -42.57	31.89 -0.73 -45.22	29.28 -0.70 -40.67	31.07 -0.63 -41.59	30.69 0.54 -21.50	33.16 0.01 -33.26	34.96 1.21 -18.71	35.12 1.88 -10.09	35.32 2.04 -7.31	33.80 1.41 -15.21	34.99 1.23 -19.16	34.71 0.99 -21.30	34.38 1.61 -13.05	34.66 2.52 -1.09	36.02 2.36 -0.09	37.37 2.58 -0.13	35.53 1.87 -10.04	35.98 1.14 -18.89	33.45 1.20 -15.40	33.23 0.24 -29.41
FREEPORT__CT2 23818	37.01 -0.98 -52.77	33.93 -1.38 -56.74	30.14 -0.13 -32.59	32.35 0.05 -31.35	30.29 -0.72 -42.57	31.89 -0.73 -45.22	29.28 -0.70 -40.67	31.07 -0.63 -41.59	30.69 0.54 -21.50	33.16 0.01 -33.26	34.96 1.21 -18.71	35.12 1.88 -10.09	35.32 2.04 -7.31	33.80 1.41 -15.21	34.99 1.23 -19.16	34.71 0.99 -21.30	34.38 1.61 -13.05	34.66 2.52 -1.09	36.02 2.36 -0.09	37.37 2.58 -0.13	35.53 1.87 -10.04	35.98 1.14 -18.89	33.45 1.20 -15.40	33.23 0.24 -29.41
FRESHKLS_33_KV_LOAD 356253	37.13 -0.86 -52.77	34.10 -1.20 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.36 -0.65 -42.56	31.90 -0.71 -45.22	29.30 -0.67 -40.67	31.09 -0.60 -41.59	30.70 0.55 -21.50	33.15 0.00 -33.25	34.69 0.93 -18.71	34.72 1.48 -10.09	34.92 1.63 -7.31	33.55 1.16 -15.21	34.70 0.94 -19.16	34.50 0.79 -21.30	34.09 1.32 -13.05	34.24 2.10 -1.09	35.72 2.06 -0.09	36.90 2.11 -0.13	35.23 1.56 -10.04	35.83 0.99 -18.89	33.31 1.05 -15.40	33.21 0.22 -29.41
FULTON COGEN____ 23766	-9.93 0.38 -4.46	-16.07 0.56 -4.80	0.50 0.06 -2.75	3.56 -0.03 -2.65	-7.70 0.26 -3.60	-8.51 0.28 -3.82	-7.03 0.23 -3.44	-6.18 0.20 -3.52	10.27 -0.20 -1.82	2.70 0.00 -2.81	16.27 -0.35 -1.58	23.46 -0.54 -0.85	25.95 -0.64 -0.62	18.04 -0.43 -1.29	15.85 -0.38 -1.62	13.89 -0.32 -1.80	20.29 -0.53 -1.10	30.37 -0.78 -0.09	32.70 -0.87 -0.01	33.80 -0.86 -0.01	23.93 -0.55 -0.85	17.17 -0.37 -1.60	17.74 -0.42 -1.30	5.98 -0.09 -2.49
FULTON__LFGE 323630	50.70 -0.56 -66.04	48.75 -0.83 -71.00	38.39 -0.08 -40.78	40.21 0.03 -39.23	41.29 -0.42 -53.27	43.51 -0.47 -56.59	39.79 -0.41 -50.90	41.76 -0.40 -52.05	35.91 0.36 -26.90	41.51 0.00 -41.62	39.09 0.63 -23.42	36.60 0.82 -12.63	35.95 0.83 -9.15	36.77 0.55 -19.03	39.08 0.50 -23.97	39.48 0.41 -26.66	36.69 0.63 -16.33	33.62 1.20 -1.36	35.11 1.43 -0.12	36.38 1.56 -0.16	37.29 1.10 -12.57	40.30 0.72 -23.64	36.87 0.74 -19.27	40.54 0.15 -36.81
G.F.CEMENT__DRP 24184	46.02 -1.02 -61.82	43.71 -1.33 -66.46	35.72 -0.14 -38.17	37.74 0.07 -36.72	37.57 -0.74 -49.86	39.53 -0.84 -52.97	36.22 -0.73 -47.65	38.15 -0.67 -48.72	34.41 0.58 -25.18	38.85 0.00 -38.96	38.03 1.07 -21.92	36.53 1.56 -11.83	36.27 1.74 -8.56	36.06 1.06 -17.82	37.94 0.90 -22.44	38.17 0.80 -24.96	36.40 1.39 -15.29	34.62 2.29 -1.27	36.30 2.62 -0.11	37.46 2.65 -0.15	37.14 1.75 -11.76	39.33 1.25 -22.13	36.18 1.28 -18.04	38.31 0.27 -34.46
GARDENVILLE__LBMP 24039	-8.00 0.77 -6.01	-10.84 1.07 -9.52	3.31 0.11 -5.51	6.11 -0.10 -5.26	-4.23 0.18 -7.14	-4.90 0.12 -7.59	-3.77 0.10 -6.83	-2.87 0.05 -6.98	11.99 -0.27 -3.61	5.32 -0.01 -5.43	10.32 -0.47 4.25	20.88 -0.88 1.39	26.15 -1.06 -1.23	19.03 -0.71 -2.55	17.24 -0.58 -3.21	15.42 -0.57 -3.57	20.93 -0.98 -2.19	29.87 -1.37 -0.18	31.99 -1.59 -0.02	33.10 -1.57 -0.02	24.04 -1.28 -1.69	18.23 -0.88 -3.17	18.60 -0.84 -2.58	8.35 -0.16 -4.94
GARDNVLA_35_KV_LD 355827	-7.58 0.72 -6.48	-10.88 1.01 -9.54	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.26 0.15 -7.16	-4.92 0.09 -7.60	-3.78 0.07 -6.84	-2.89 0.02 -6.99	12.02 -0.25 -3.61	5.35 -0.01 -5.47	11.58 -0.43 3.03	21.45 -0.82 0.88	26.23 -0.97 -1.23	19.10 -0.64 -2.56	17.30 -0.52 -3.22	15.48 -0.52 -3.58	20.99 -0.92 -2.20	29.98 -1.27 -0.18	32.10 -1.49 -0.02	33.21 -1.47 -0.02	24.11 -1.21 -1.69	18.30 -0.82 -3.18	18.67 -0.78 -2.59	8.37 -0.15 -4.95
GELCKHM__115KV_LOAD 80723	-9.55 0.16 -5.06	-15.74 0.24 -5.44	0.84 0.03 -3.13	3.94 -0.02 -3.01	-7.39 0.08 -4.09	-8.19 0.08 -4.34	-6.73 0.06 -3.90	-5.86 0.04 -3.99	10.65 -0.06 -2.06	3.09 0.00 -3.19	16.72 -0.12 -1.80	23.91 -0.21 -0.97	26.42 -0.26 -0.70	18.46 -0.19 -1.46	16.27 -0.17 -1.84	14.32 -0.15 -2.04	20.75 -0.22 -1.25	30.87 -0.30 -0.10	33.24 -0.34 -0.01	34.35 -0.32 -0.01	24.38 -0.21 -0.96	17.63 -0.13 -1.81	18.17 -0.17 -1.48	6.37 -0.03 -2.82
GENERAL__MILLS 23808	-7.69 0.74 -6.35	-10.86 1.03 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.24 0.16 -7.15	-4.91 0.10 -7.60	-3.77 0.09 -6.83	-2.88 0.03 -6.99	12.01 -0.25 -3.61	5.34 -0.01 -5.46	11.23 -0.45 3.37	21.28 -0.85 1.02	26.19 -1.01 -1.23	19.06 -0.68 -2.55	17.27 -0.55 -3.22	15.45 -0.55 -3.58	20.95 -0.96 -2.19	29.92 -1.32 -0.18	32.03 -1.55 -0.02	33.15 -1.52 -0.02	24.06 -1.25 -1.69	18.27 -0.86 -3.17	18.63 -0.82 -2.59	8.36 -0.15 -4.94
GE_PLASTICS__DRP 24183	44.64 -0.38 -59.80	42.31 -0.56 -64.29	34.55 -0.06 -36.92	36.50 0.03 -35.52	36.33 -0.34 -48.24	38.26 -0.37 -51.25	35.08 -0.32 -46.09	36.95 -0.28 -47.13	33.23 0.21 -24.36	37.58 0.00 -37.69	36.63 0.39 -21.21	35.19 0.60 -11.44	34.93 0.67 -8.28	34.85 0.43 -17.23	36.68 0.37 -21.71	36.86 0.31 -24.14	35.00 0.50 -14.79	33.08 0.78 -1.23	34.51 0.84 -0.11	35.59 0.79 -0.15	35.60 0.60 -11.38	37.76 0.41 -21.40	34.77 0.46 -17.45	37.02 0.11 -33.33
GILBOA__1 23756	33.65 -0.42 -48.85	30.37 -0.72 -52.52	27.78 -0.07 -30.16	29.99 0.03 -29.02	27.47 -0.37 -39.40	28.84 -0.41 -41.86	26.63 -0.32 -37.65	28.31 -0.30 -38.50	28.79 0.24 -19.90	30.68 0.00 -30.79	32.81 0.45 -17.32	33.18 0.69 -9.34	33.50 0.76 -6.77	31.78 0.51 -14.08	32.77 0.43 -17.73	32.49 0.36 -19.72	32.39 0.59 -12.08	33.01 0.94 -1.01	34.61 0.96 -0.09	35.73 0.95 -0.12	33.63 0.71 -9.29	33.90 0.46 -17.49	31.60 0.49 -14.25	30.91 0.11 -27.23
GILBOA__2 23757	33.65 -0.42 -48.85	30.37 -0.72 -52.52	27.78 -0.07 -30.16	29.99 0.03 -29.02	27.47 -0.37 -39.40	28.84 -0.41 -41.86	26.63 -0.32 -37.65	28.31 -0.30 -38.50	28.79 0.24 -19.90	30.68 0.00 -30.79	32.81 0.45 -17.32	33.18 0.69 -9.34	33.50 0.76 -6.77	31.78 0.51 -14.08	32.77 0.43 -17.73	32.49 0.36 -19.72	32.39 0.59 -12.08	33.01 0.94 -1.01	34.61 0.96 -0.09	35.73 0.95 -0.12	33.63 0.71 -9.29	33.90 0.46 -17.49	31.60 0.49 -14.25	30.91 0.11 -27.23
GILBOA__3 23758	33.65 -0.42 -48.85	30.37 -0.72 -52.52	27.78 -0.07 -30.16	29.99 0.03 -29.02	27.47 -0.37 -39.40	28.84 -0.41 -41.86	26.63 -0.32 -37.65	28.31 -0.30 -38.50	28.79 0.24 -19.90	30.68 0.00 -30.79	32.81 0.45 -17.32	33.18 0.69 -9.34	33.50 0.76 -6.77	31.78 0.51 -14.08	32.77 0.43 -17.73	32.49 0.36 -19.72	32.39 0.59 -12.08	33.01 0.94 -1.01	34.61 0.96 -0.09	35.73 0.95 -0.12	33.63 0.71 -9.29	33.90 0.46 -17.49	31.60 0.49 -14.25	30.91 0.11 -27.23

GILBOA___4 23759	33.65 -0.42 -48.85	30.37 -0.72 -52.52	27.78 -0.07 -30.16	29.99 0.03 -29.02	27.47 -0.37 -39.40	28.84 -0.41 -41.86	26.63 -0.32 -37.65	28.31 -0.30 -38.50	28.79 0.24 -19.90	30.68 0.00 -30.79	32.81 0.45 -17.32	33.18 0.69 -9.34	33.50 0.76 -6.77	31.78 0.51 -14.08	32.77 0.43 -17.73	32.49 0.36 -19.72	32.39 0.59 -12.08	33.01 0.94 -1.01	34.61 0.96 -0.09	35.73 0.95 -0.12	33.63 0.71 -9.29	33.90 0.46 -17.49	31.60 0.49 -14.25	30.91 0.11 -27.23
GILBOA____ 23599	33.66 -0.41 -48.85	30.37 -0.72 -52.52	27.78 -0.07 -30.16	29.99 0.03 -29.02	27.47 -0.37 -39.40	28.84 -0.41 -41.86	26.63 -0.32 -37.65	28.31 -0.30 -38.50	28.79 0.24 -19.90	30.68 0.00 -30.79	32.81 0.45 -17.32	33.18 0.69 -9.34	33.50 0.76 -6.77	31.78 0.51 -14.08	32.77 0.43 -17.73	32.49 0.36 -19.72	32.39 0.59 -12.08	33.01 0.94 -1.01	34.61 0.96 -0.09	35.73 0.95 -0.12	33.63 0.71 -9.29	33.90 0.46 -17.49	31.60 0.49 -14.25	30.91 0.11 -27.23
GINNA____ 23603	-7.66 0.89 -6.23	-13.45 1.27 -6.70	1.71 0.13 -3.89	4.56 -0.08 -3.70	-6.01 0.52 -5.03	-6.73 0.54 -5.34	-5.44 0.45 -4.80	-4.59 0.40 -4.91	10.75 -0.44 -2.54	3.82 0.00 -3.93	16.45 -0.80 -2.21	23.04 -1.31 -1.19	25.33 -1.50 -0.86	17.99 -0.99 -1.80	16.03 -0.83 -2.26	14.19 -0.74 -2.52	20.05 -1.20 -1.54	29.42 -1.77 -0.13	31.68 -1.90 -0.01	32.71 -1.96 -0.01	23.44 -1.37 -1.19	17.25 -0.92 -2.23	17.69 -0.99 -1.82	6.84 -0.21 -3.48
GLEN PARK____ 23778	-11.15 0.51 -3.12	-17.33 0.74 -3.36	-0.31 0.08 -1.93	2.76 -0.04 -1.86	-8.61 0.44 -2.52	-9.44 0.49 -2.68	-7.90 0.39 -2.41	-7.11 0.32 -2.46	9.65 -0.28 -1.27	1.85 -0.01 -1.97	15.54 -0.61 -1.11	22.93 -0.82 -0.60	25.39 -1.02 -0.43	17.34 -0.75 -0.90	15.06 -0.68 -1.13	13.09 -0.59 -1.26	19.73 -0.76 -0.77	30.19 -0.94 -0.06	32.81 -0.76 -0.01	34.33 -0.34 -0.01	24.11 -0.11 -0.59	17.15 0.08 -1.12	17.60 -0.17 -0.91	5.29 -0.03 -1.74
GLENDALE_27_KV_LOAD 356172	37.17 -0.82 -52.77	34.14 -1.17 -56.73	30.15 -0.12 -32.58	32.34 0.05 -31.35	30.36 -0.65 -42.56	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.11 -0.59 -41.59	30.69 0.54 -21.50	33.16 0.01 -33.25	34.68 0.93 -18.71	34.73 1.49 -10.09	34.92 1.64 -7.31	33.56 1.17 -15.21	34.72 0.95 -19.16	34.52 0.80 -21.30	34.11 1.34 -13.05	34.24 2.10 -1.09	35.73 2.07 -0.09	36.91 2.13 -0.13	35.22 1.56 -10.04	35.82 0.98 -18.89	33.30 1.05 -15.40	33.21 0.22 -29.41
GLENWOOD_IC_1_G5 23712	37.10 -0.89 -52.77	34.05 -1.26 -56.74	30.15 -0.13 -32.59	32.34 0.05 -31.35	30.33 -0.67 -42.57	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.10 -0.60 -41.59	30.67 0.52 -21.50	33.16 0.00 -33.26	34.82 1.07 -18.71	34.92 1.67 -10.09	35.12 1.83 -7.31	33.67 1.27 -15.21	34.85 1.09 -19.16	34.61 0.89 -21.30	34.24 1.47 -13.05	34.42 2.27 -1.09	35.84 2.17 -0.09	37.10 2.32 -0.13	35.36 1.69 -10.04	35.88 1.05 -18.89	33.34 1.09 -15.40	33.22 0.22 -29.41
GLENWOOD_IC_2_G1 23688	37.15 -0.84 -52.77	34.13 -1.18 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.37 -0.63 -42.57	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.13 -0.57 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.26	34.74 0.98 -18.71	34.78 1.54 -10.09	34.98 1.69 -7.31	33.58 1.18 -15.21	34.76 1.00 -19.16	34.54 0.82 -21.30	34.13 1.36 -13.05	34.27 2.12 -1.09	35.70 2.04 -0.09	36.93 2.15 -0.13	35.24 1.57 -10.04	35.82 0.98 -18.89	33.28 1.02 -15.40	33.20 0.21 -29.41
GLENWOOD_IC_3_G1 23689	37.15 -0.84 -52.77	34.13 -1.18 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.37 -0.63 -42.57	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.13 -0.57 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.26	34.74 0.98 -18.71	34.78 1.54 -10.09	34.98 1.69 -7.31	33.58 1.18 -15.21	34.76 1.00 -19.16	34.54 0.82 -21.30	34.13 1.36 -13.05	34.27 2.12 -1.09	35.70 2.04 -0.09	36.93 2.15 -0.13	35.24 1.57 -10.04	35.82 0.98 -18.89	33.28 1.02 -15.40	33.20 0.21 -29.41
GLENWOOD___4 23550	37.10 -0.89 -52.77	34.05 -1.26 -56.74	30.15 -0.13 -32.59	32.34 0.05 -31.35	30.33 -0.67 -42.57	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.10 -0.60 -41.59	30.67 0.52 -21.50	33.16 0.00 -33.26	34.82 1.07 -18.71	34.92 1.67 -10.09	35.12 1.83 -7.31	33.67 1.27 -15.21	34.85 1.09 -19.16	34.61 0.89 -21.30	34.24 1.47 -13.05	34.42 2.27 -1.09	35.84 2.17 -0.09	37.10 2.32 -0.13	35.36 1.69 -10.04	35.88 1.05 -18.89	33.34 1.09 -15.40	33.22 0.22 -29.41
GLENWOOD___5 23614	37.10 -0.89 -52.77	34.05 -1.26 -56.74	30.15 -0.13 -32.59	32.34 0.05 -31.35	30.33 -0.67 -42.57	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.10 -0.60 -41.59	30.67 0.52 -21.50	33.16 0.00 -33.26	34.82 1.07 -18.71	34.92 1.67 -10.09	35.12 1.83 -7.31	33.67 1.27 -15.21	34.85 1.09 -19.16	34.61 0.89 -21.30	34.24 1.47 -13.05	34.42 2.27 -1.09	35.84 2.17 -0.09	37.10 2.32 -0.13	35.36 1.69 -10.04	35.88 1.05 -18.89	33.34 1.09 -15.40	33.22 0.22 -29.41
GLOBAL GREEN_PORT_GT1 23814	36.54 -1.45 -52.77	33.25 -2.06 -56.74	30.09 -0.18 -32.59	32.39 0.09 -31.35	30.26 -0.75 -42.57	31.96 -0.65 -45.22	29.30 -0.67 -40.67	31.06 -0.63 -41.59	30.69 0.54 -21.50	33.16 0.01 -33.26	35.14 1.39 -18.71	35.36 2.11 -10.09	35.59 2.30 -7.31	33.96 1.56 -15.21	35.20 1.43 -19.16	34.86 1.14 -21.30	34.65 1.88 -13.05	35.09 2.94 -1.09	36.38 2.72 -0.09	37.81 3.03 -0.13	35.79 2.12 -10.04	36.07 1.23 -18.89	33.60 1.34 -15.40	33.26 0.27 -29.41
GLOBE___DSASP 323697	-7.68 0.84 -6.26	-11.41 1.19 -8.83	2.91 0.10 -5.11	5.70 -0.12 -4.88	-4.72 0.21 -6.63	-5.39 0.18 -7.04	-4.22 0.14 -6.33	-3.30 0.12 -6.47	11.67 -0.33 -3.34	5.00 0.03 -5.08	12.14 -0.70 2.20	21.39 -1.20 0.56	25.72 -1.40 -1.14	18.59 -0.96 -2.37	16.68 -0.90 -2.98	14.86 -0.87 -3.32	20.24 -1.51 -2.03	29.06 -2.17 -0.17	31.08 -2.50 -0.01	32.09 -2.59 -0.02	23.19 -2.00 -1.56	17.48 -1.40 -2.94	17.96 -1.30 -2.40	7.89 -0.26 -4.58
GOETHSLN___LBMP 323567	37.26 -0.73 -52.77	34.30 -1.01 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.45 -0.56 -42.56	32.00 -0.61 -45.22	29.40 -0.58 -40.67	31.18 -0.51 -41.59	30.62 0.47 -21.50	33.16 0.01 -33.25	34.55 0.80 -18.71	34.52 1.27 -10.09	34.69 1.41 -7.31	33.40 1.00 -15.21	34.59 0.83 -19.16	34.41 0.69 -21.30	33.93 1.16 -13.05	33.95 1.80 -1.09	35.43 1.77 -0.09	36.60 1.81 -0.13	35.02 1.35 -10.04	35.68 0.85 -18.89	33.14 0.89 -15.40	33.18 0.19 -29.41
GOLAH___69_KV_TB 1_2 80279	-8.29 0.22 -6.26	-14.09 0.31 -7.03	1.80 0.02 -4.09	4.77 -0.05 -3.88	-6.36 -0.07 -5.27	-7.16 -0.15 -5.60	-5.81 -0.16 -5.04	-4.90 -0.15 -5.15	11.28 -0.04 -2.66	3.99 -0.01 -4.11	16.52 -0.13 -1.61	23.77 -0.34 -0.95	26.39 -0.49 -0.90	18.77 -0.30 -1.88	16.71 -0.27 -2.37	14.78 -0.28 -2.64	20.82 -0.51 -1.62	30.63 -0.57 -0.13	33.02 -0.56 -0.01	34.17 -0.50 -0.02	24.47 -0.40 -1.24	18.01 -0.28 -2.34	18.50 -0.27 -1.91	7.17 -0.05 -3.64
GOODYEAR_LAKE_HYD 323669	3.20 -0.38 -18.36	-2.31 -0.63 -19.74	8.97 -0.05 -11.33	11.87 0.02 -10.91	2.94 -0.31 -14.81	2.77 -0.36 -15.73	3.15 -0.31 -14.15	4.27 -0.30 -14.47	16.38 0.25 -7.48	11.46 0.00 -11.57	22.02 0.47 -6.51	27.36 0.69 -3.51	29.26 0.75 -2.54	22.98 0.51 -5.29	21.69 0.42 -6.66	20.17 0.34 -7.41	24.82 0.56 -4.54	32.42 0.98 -0.38	34.65 1.05 -0.03	35.82 1.12 -0.04	27.92 0.80 -3.49	23.01 0.50 -6.57	22.70 0.49 -5.36	13.91 0.10 -10.23

GOUDEY___7	3.28	-2.06	8.81	11.69	2.93	2.74	3.12	4.22	16.09	11.29	21.59	26.76	28.59	22.47	21.22	19.76	24.30	31.63	33.81	34.94	27.25	22.52	22.21	13.68
345031	-0.03	-0.08	0.00	0.00	-0.10	-0.14	-0.12	-0.14	0.07	0.00	0.14	0.15	0.11	0.07	0.05	0.05	0.11	0.20	0.21	0.24	0.18	0.10	0.07	0.02
	-18.08	-19.44	-11.12	-10.74	-14.59	-15.50	-13.94	-14.25	-7.37	-11.40	-6.41	-3.46	-2.50	-5.21	-6.56	-7.30	-4.47	-0.37	-0.03	-0.04	-3.44	-6.47	-5.28	-10.08
GOUDEY___8	3.28	-2.06	8.81	11.69	2.93	2.74	3.12	4.22	16.09	11.29	21.59	26.76	28.59	22.47	21.22	19.76	24.30	31.63	33.81	34.94	27.25	22.52	22.21	13.68
23579	-0.03	-0.08	0.00	0.00	-0.10	-0.14	-0.12	-0.14	0.07	0.00	0.14	0.15	0.11	0.07	0.05	0.05	0.11	0.20	0.21	0.24	0.18	0.10	0.07	0.02
	-18.08	-19.44	-11.12	-10.74	-14.59	-15.50	-13.94	-14.25	-7.37	-11.40	-6.41	-3.46	-2.50	-5.21	-6.56	-7.30	-4.47	-0.37	-0.03	-0.04	-3.44	-6.47	-5.28	-10.08
GOWANUS_GT1_1	37.18	34.16	30.15	32.33	30.38	31.92	29.33	31.12	30.68	33.16	34.66	34.69	34.89	33.54	34.70	34.50	34.08	34.20	35.68	36.86	35.19	35.80	33.28	33.21
24077	-0.81	-1.15	-0.12	0.04	-0.63	-0.68	-0.65	-0.57	0.53	0.01	0.91	1.45	1.61	1.15	0.94	0.78	1.31	2.05	2.02	2.08	1.53	0.97	1.03	0.22
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
GOWANUS_GT1_2	37.18	34.16	30.15	32.33	30.38	31.92	29.33	31.12	30.68	33.16	34.66	34.69	34.89	33.54	34.70	34.50	34.08	34.20	35.68	36.86	35.19	35.80	33.28	33.21
24078	-0.81	-1.15	-0.12	0.04	-0.63	-0.68	-0.65	-0.57	0.53	0.01	0.91	1.45	1.61	1.15	0.94	0.78	1.31	2.05	2.02	2.08	1.53	0.97	1.03	0.22
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
GOWANUS_GT1_3	37.18	34.16	30.15	32.33	30.38	31.92	29.33	31.12	30.68	33.16	34.66	34.69	34.89	33.54	34.70	34.50	34.08	34.20	35.68	36.86	35.19	35.80	33.28	33.21
24079	-0.81	-1.15	-0.12	0.04	-0.63	-0.68	-0.65	-0.57	0.53	0.01	0.91	1.45	1.61	1.15	0.94	0.78	1.31	2.05	2.02	2.08	1.53	0.97	1.03	0.22
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
GOWANUS_GT1_4	37.18	34.16	30.15	32.33	30.38	31.92	29.33	31.12	30.68	33.16	34.66	34.69	34.89	33.54	34.70	34.50	34.08	34.20	35.68	36.86	35.19	35.80	33.28	33.21
24080	-0.81	-1.15	-0.12	0.04	-0.63	-0.68	-0.65	-0.57	0.53	0.01	0.91	1.45	1.61	1.15	0.94	0.78	1.31	2.05	2.02	2.08	1.53	0.97	1.03	0.22

GOWANUS_GT2_5 24118	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT2_6 24119	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT2_7 24120	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT2_8 24121	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_1 24122	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_2 24123	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_3 24124	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_4 24125	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_5 24126	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_6 24127	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_7 24128	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT3_8 24129	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_1 24130	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_2 24131	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_3 24132	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41

GOWANUS_GT4_4 24133	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_5 24134	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_6 24135	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_7 24136	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GOWANUS_GT4_8 24137	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GREENBSH_115KV_TB3 55895	44.94 -0.36 -60.07	42.64 -0.53 -64.59	34.72 -0.06 -37.09	36.66 0.03 -35.69	36.56 -0.34 -48.46	38.50 -0.37 -51.48	35.30 -0.31 -46.30	37.17 -0.28 -47.35	33.32 0.19 -24.47	37.76 0.00 -37.86	36.69 0.35 -21.30	35.18 0.53 -11.49	34.90 0.60 -8.32	34.88 0.38 -17.32	36.74 0.33 -21.81	36.94 0.28 -24.25	35.01 0.44 -14.86	32.98 0.69 -1.24	34.43 0.75 -0.11	35.49 0.69 -0.15	35.59 0.53 -11.43	37.82 0.37 -21.50	34.82 0.43 -17.53	37.18 0.11 -33.49
GREENDGE_115KV_TB5 80291	-1.18 0.23 -13.36	-9.86 0.31 -11.26	4.29 0.04 -6.56	7.14 -0.03 -6.22	-3.09 0.02 -8.45	-3.68 -0.04 -8.97	-2.69 -0.06 -8.07	-1.74 -0.10 -8.25	12.91 -0.01 -4.26	6.63 0.00 -6.74	26.27 -0.06 -11.29	28.08 -0.23 -5.16	27.06 -0.37 -1.45	19.90 -0.30 -3.02	18.19 -0.21 -3.80	16.48 -0.16 -4.23	22.13 -0.17 -2.59	31.24 -0.04 -0.21	33.67 0.08 -0.02	34.83 0.15 -0.03	25.66 0.04 -1.99	19.68 -0.01 -3.75	19.88 -0.04 -3.06	9.41 0.00 -5.84
GREENIDGE___3 23582	-1.18 0.23 -13.36	-9.86 0.31 -11.26	4.29 0.04 -6.56	7.14 -0.03 -6.22	-3.09 0.02 -8.45	-3.68 -0.04 -8.97	-2.69 -0.06 -8.07	-1.74 -0.10 -8.25	12.91 -0.01 -4.26	6.63 0.00 -6.74	26.27 -0.06 -11.29	28.08 -0.23 -5.16	27.06 -0.37 -1.45	19.90 -0.30 -3.02	18.19 -0.21 -3.80	16.48 -0.16 -4.23	22.13 -0.17 -2.59	31.24 -0.04 -0.21	33.67 0.08 -0.02	34.83 0.15 -0.03	25.66 0.04 -1.99	19.68 -0.01 -3.75	19.88 -0.04 -3.06	9.41 0.00 -5.84
GREENIDGE___4 23583	-1.18 0.23 -13.36	-9.85 0.31 -11.26	4.29 0.04 -6.56	7.14 -0.03 -6.22	-3.09 0.02 -8.45	-3.68 -0.04 -8.97	-2.69 -0.06 -8.07	-1.74 -0.10 -8.25	12.91 -0.01 -4.26	6.63 0.00 -6.74	26.27 -0.05 -11.29	28.08 -0.23 -5.16	27.06 -0.37 -1.45	19.90 -0.31 -3.02	18.19 -0.21 -3.80	16.48 -0.16 -4.23	22.14 -0.17 -2.59	31.22 -0.05 -0.21	33.66 0.08 -0.02	34.83 0.15 -0.03	25.66 0.04 -1.99	19.68 -0.01 -3.75	19.87 -0.04 -3.06	9.41 0.00 -5.84
GREENLWN_69_KV_BK 3 55738	37.05 -0.95 -52.77	34.00 -1.31 -56.74	30.15 -0.12 -32.59	32.34 0.05 -31.35	30.33 -0.67 -42.57	31.95 -0.66 -45.22	29.32 -0.66 -40.67	31.11 -0.58 -41.59	30.62 0.47 -21.50	33.16 0.00 -33.26	34.88 1.12 -18.71	35.02 1.77 -10.09	35.20 1.92 -7.31	33.72 1.32 -15.21	34.94 1.18 -19.16	34.66 0.94 -21.30	34.29 1.53 -13.05	34.46 2.31 -1.09	35.69 2.03 -0.09	37.12 2.34 -0.13	35.34 1.68 -10.04	35.84 1.01 -18.89	33.35 1.09 -15.40	33.21 0.22 -29.41
GREENWD_138_KV_38B11_REV_LBMP_J 345004	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
GRISSOM___SOLAR 323813	50.01 -0.59 -65.38	48.01 -0.85 -70.29	37.98 -0.09 -40.37	39.82 0.03 -38.84	40.74 -0.44 -52.74	42.92 -0.50 -56.03	39.26 -0.43 -50.39	41.22 -0.42 -51.53	35.66 0.37 -26.63	41.09 0.00 -41.20	38.86 0.64 -23.18	36.49 0.83 -12.51	35.87 0.84 -9.06	36.58 0.55 -18.84	38.85 0.52 -23.73	39.23 0.43 -26.39	36.56 0.67 -16.17	33.65 1.25 -1.35	35.15 1.47 -0.11	36.41 1.59 -0.16	37.19 1.12 -12.44	40.08 0.74 -23.40	36.69 0.76 -19.07	40.18 0.16 -36.44
GROVEVILLE___HYD 323602	37.46 -0.84 -53.07	34.44 -1.19 -57.06	30.33 -0.12 -32.77	32.51 0.05 -31.53	30.60 -0.65 -42.81	32.16 -0.71 -45.48	29.56 -0.64 -40.90	31.34 -0.59 -41.83	30.79 0.52 -21.62	33.34 0.00 -33.45	34.84 0.98 -18.82	34.82 1.52 -10.15	35.01 1.68 -7.35	33.64 1.16 -15.30	34.83 0.96 -19.27	34.65 0.81 -21.42	34.18 1.34 -13.12	34.26 2.11 -1.09	35.79 2.13 -0.09	36.95 2.17 -0.13	35.29 1.57 -10.10	35.94 1.00 -18.99	33.37 1.03 -15.48	33.38 0.21 -29.58
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	-9.06 0.07 -5.64	-15.26 0.10 -6.06	1.18 0.01 -3.48	4.29 -0.01 -3.35	-7.00 0.01 -4.55	-7.79 -0.01 -4.83	-6.35 -0.01 -4.35	-5.48 -0.02 -4.44	10.94 -0.01 -2.30	3.45 0.00 -3.55	17.02 -0.02 -2.00	24.16 -0.07 -1.08	26.65 -0.11 -0.78	18.73 -0.08 -1.63	16.56 -0.09 -2.05	14.63 -0.06 -2.28	21.02 -0.09 -1.39	31.09 -0.09 -0.12	33.48 -0.10 -0.01	34.59 -0.08 -0.01	24.66 -0.05 -1.07	17.94 -0.03 -2.02	18.43 -0.07 -1.65	6.71 -0.01 -3.14
HAMLTNNY_34_KV_TB 80303	-8.74 0.05 -5.99	-14.92 0.07 -6.44	1.40 0.01 -3.70	4.49 -0.01 -3.56	-6.75 -0.02 -4.83	-7.51 -0.03 -5.13	-6.10 -0.02 -4.61	-5.22 -0.04 -4.72	11.09 0.00 -2.44	3.67 0.00 -3.77	17.14 -0.02 -2.12	24.22 -0.08 -1.15	26.67 -0.13 -0.83	18.81 -0.11 -1.73	16.67 -0.11 -2.17	14.76 -0.07 -2.42	21.08 -0.11 -1.48	31.12 -0.06 -0.12	33.51 -0.06 -0.01	34.64 -0.03 -0.01	24.74 -0.03 -1.14	18.07 -0.02 -2.14	18.54 -0.07 -1.75	6.90 -0.01 -3.34

HAMPSHIRE___PAPER_HYD 323593	-12.71 0.44 -1.62	-19.05 0.63 -1.75	-1.25 0.06 -1.00	1.89 -0.02 -0.96	-9.83 0.42 -1.31	-10.73 0.49 -1.39	-9.04 0.40 -1.25	-8.26 0.36 -1.28	9.04 -0.27 -0.66	0.91 0.00 -1.02	15.03 -0.59 -0.57	22.62 -0.84 -0.31	25.23 -0.97 -0.22	16.99 -0.67 -0.47	14.62 -0.57 -0.59	12.60 -0.47 -0.65	19.39 -0.72 -0.40	30.07 -1.03 -0.03	32.63 -0.94 0.00	33.94 -0.72 0.00	23.50 -0.43 -0.31	16.35 -0.18 -0.58	17.03 -0.30 -0.47	4.42 -0.06 -0.91
HARDSCRABBLE_WT_PWR 323673	-15.53 -0.75 0.00	-21.83 -0.40 0.00	-2.35 -0.04 0.00	0.96 0.01 0.00	-11.83 -0.27 0.00	-12.96 -0.35 0.00	-10.99 -0.29 0.00	-10.18 -0.28 0.00	8.87 0.21 0.00	-0.10 0.00 0.00	15.50 0.47 0.00	23.70 0.55 0.00	26.60 0.62 0.00	17.62 0.43 0.00	14.95 0.34 0.00	12.66 0.24 0.00	20.19 0.47 0.00	31.72 0.66 0.00	34.40 0.84 0.00	35.52 0.86 0.00	24.40 0.77 0.00	16.44 0.49 0.00	17.32 0.46 0.00	3.71 0.13 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	35.54 -0.78 -51.10	32.39 -1.13 -54.94	29.13 -0.11 -31.55	31.34 0.04 -30.35	29.05 -0.61 -41.22	30.51 -0.67 -43.79	28.08 -0.61 -39.39	29.83 -0.55 -40.27	29.94 0.47 -20.81	32.10 0.00 -32.20	34.05 0.89 -18.12	34.31 1.39 -9.77	34.59 1.54 -7.08	32.99 1.08 -14.73	34.05 0.89 -18.55	33.80 0.76 -20.63	33.60 1.25 -12.64	34.06 1.95 -1.05	35.61 1.95 -0.09	36.78 1.99 -0.12	34.80 1.45 -9.72	35.16 0.93 -18.29	32.72 0.95 -14.91	32.26 0.20 -28.48
HARSNRAD_115KV_TB1 81005	-7.93 0.69 -6.16	-11.79 0.98 -8.66	2.79 0.09 -5.02	5.61 -0.12 -4.78	-4.95 0.11 -6.49	-5.64 0.07 -6.90	-4.44 0.05 -6.21	-3.54 0.02 -6.35	11.65 -0.28 -3.28	4.86 -0.01 -4.98	12.38 -0.54 2.12	21.61 -1.01 0.53	25.86 -1.24 -1.12	18.68 -0.82 -2.32	16.82 -0.71 -2.92	14.95 -0.71 -3.25	20.45 -1.26 -1.99	29.44 -1.79 -0.17	31.55 -2.03 -0.01	32.60 -2.07 -0.02	23.55 -1.61 -1.53	17.72 -1.11 -2.88	18.19 -1.02 -2.35	7.87 -0.20 -4.49
HARZA MOOSE___RIVER 24016	-12.23 0.23 -2.32	-18.59 0.35 -2.49	-0.85 0.03 -1.43	2.30 -0.02 -1.38	-9.48 0.21 -1.87	-10.38 0.25 -1.99	-8.73 0.18 -1.79	-7.92 0.15 -1.83	9.48 -0.11 -0.94	1.35 -0.01 -1.46	15.60 -0.26 -0.82	23.24 -0.36 -0.44	25.82 -0.48 -0.32	17.50 -0.35 -0.67	15.12 -0.32 -0.84	13.09 -0.26 -0.94	19.98 -0.31 -0.57	30.78 -0.33 -0.05	33.42 -0.15 0.00	34.70 0.04 -0.01	24.19 0.12 -0.44	16.94 0.17 -0.83	17.56 0.03 -0.67	4.89 0.02 -1.29
HDSNBRDG_115KV_BRDG_TB1 355580	-9.47 0.16 -5.15	-15.66 0.23 -5.53	0.89 0.03 -3.18	3.99 -0.02 -3.06	-7.33 0.07 -4.15	-8.13 0.06 -4.41	-6.68 0.05 -3.97	-5.81 0.03 -4.06	10.69 -0.06 -2.10	3.14 0.00 -3.24	16.77 -0.10 -1.83	23.96 -0.17 -0.98	26.45 -0.24 -0.71	18.50 -0.17 -1.48	16.32 -0.16 -1.87	14.36 -0.13 -2.08	20.79 -0.20 -1.27	30.90 -0.27 -0.10	33.27 -0.31 -0.01	34.37 -0.30 -0.01	24.43 -0.18 -0.98	17.67 -0.12 -1.84	18.20 -0.16 -1.50	6.42 -0.03 -2.87
HELLGATE_13_KV_LD 55870	37.16 -0.83 -52.77	34.11 -1.20 -56.73	30.15 -0.13 -32.58	32.34 0.05 -31.35	30.34 -0.66 -42.56	31.89 -0.72 -45.22	29.30 -0.68 -40.67	31.09 -0.60 -41.59	30.71 0.56 -21.50	33.16 0.01 -33.25	34.70 0.95 -18.71	34.78 1.54 -10.09	34.99 1.71 -7.31	33.62 1.22 -15.21	34.74 0.99 -19.16	34.55 0.83 -21.30	34.15 1.39 -13.05	34.32 2.17 -1.09	35.80 2.14 -0.09	36.97 2.18 -0.13	35.27 1.60 -10.04	35.85 1.02 -18.89	33.35 1.09 -15.40	33.23 0.23 -29.41
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	37.16 -0.83 -52.77	34.11 -1.20 -56.73	30.15 -0.13 -32.58	32.34 0.05 -31.35	30.34 -0.66 -42.56	31.89 -0.72 -45.22	29.30 -0.68 -40.67	31.09 -0.60 -41.59	30.71 0.56 -21.50	33.16 0.01 -33.25	34.70 0.95 -18.71	34.78 1.54 -10.09	34.99 1.71 -7.31	33.62 1.22 -15.21	34.74 0.99 -19.16	34.55 0.83 -21.30	34.15 1.39 -13.05	34.32 2.17 -1.09	35.80 2.14 -0.09	36.97 2.18 -0.13	35.27 1.60 -10.04	35.85 1.02 -18.89	33.35 1.09 -15.40	33.23 0.23 -29.41
HEMPSTEAD____ 23647	37.12 -0.87 -52.77	34.09 -1.23 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.37 -0.64 -42.57	31.96 -0.65 -45.22	29.35 -0.63 -40.67	31.13 -0.57 -41.59	30.64 0.49 -21.50	33.16 0.00 -33.26	34.82 1.07 -18.71	34.91 1.67 -10.09	35.10 1.81 -7.31	33.65 1.26 -15.21	34.86 1.10 -19.16	34.60 0.88 -21.30	34.23 1.45 -13.05	34.40 2.26 -1.09	35.76 2.10 -0.09	37.07 2.29 -0.13	35.33 1.67 -10.04	35.85 1.02 -18.89	33.32 1.06 -15.40	33.21 0.21 -29.41
HICKLING___1 23621	0.11 0.42 -14.46	-6.63 0.55 -14.24	5.67 0.07 -7.91	8.78 -0.03 -7.87	-0.76 0.12 -10.68	-1.22 0.04 -11.35	-0.49 0.00 -10.21	0.51 -0.03 -10.44	13.96 -0.08 -5.40	8.30 0.00 -8.41	22.77 -0.15 -7.88	26.67 -0.34 -3.86	27.29 -0.52 -1.83	20.65 -0.36 -3.82	19.20 -0.21 -4.81	17.58 -0.18 -5.35	22.83 -0.16 -3.28	31.27 -0.07 -0.27	33.57 -0.02 -0.02	34.69 0.00 -0.03	26.05 -0.09 -2.52	20.57 -0.12 -4.74	20.60 -0.12 -3.86	10.95 -0.01 -7.38
HICKLING___2 23622	0.11 0.42 -14.46	-6.63 0.55 -14.24	5.67 0.07 -7.91	8.78 -0.03 -7.87	-0.76 0.12 -10.68	-1.22 0.04 -11.35	-0.49 0.00 -10.21	0.51 -0.03 -10.44	13.96 -0.08 -5.40	8.30 0.00 -8.41	22.77 -0.15 -7.88	26.67 -0.34 -3.86	27.29 -0.52 -1.83	20.65 -0.36 -3.82	19.20 -0.21 -4.81	17.58 -0.18 -5.35	22.83 -0.16 -3.28	31.27 -0.07 -0.27	33.57 -0.02 -0.02	34.69 0.00 -0.03	26.05 -0.09 -2.52	20.57 -0.12 -4.74	20.60 -0.12 -3.86	10.95 -0.01 -7.38
HIGH FALLS___HY 23754	37.27 -0.87 -52.92	34.23 -1.25 -56.90	30.24 -0.13 -32.68	32.43 0.04 -31.44	30.46 -0.67 -42.69	32.00 -0.74 -45.35	29.43 -0.66 -40.79	31.20 -0.61 -41.71	30.76 0.54 -21.56	33.25 0.00 -33.35	34.85 1.04 -18.77	34.86 1.59 -10.12	35.06 1.75 -7.33	33.66 1.22 -15.25	34.83 1.02 -19.21	34.63 0.85 -21.36	34.21 1.40 -13.09	34.36 2.20 -1.09	35.93 2.26 -0.09	37.13 2.34 -0.13	35.38 1.69 -10.07	35.96 1.07 -18.94	33.39 1.08 -15.44	33.30 0.22 -29.50
HIGH_RIVER___SOLAR 323847	48.40 -0.48 -63.66	46.31 -0.71 -68.44	36.92 -0.07 -39.31	38.79 0.03 -37.82	39.40 -0.38 -51.35	41.51 -0.43 -54.55	38.00 -0.37 -49.07	39.93 -0.35 -50.18	34.88 0.29 -25.93	40.01 0.00 -40.12	38.12 0.51 -22.58	36.03 0.70 -12.18	35.51 0.71 -8.82	36.00 0.47 -18.35	38.15 0.43 -23.11	38.47 0.36 -25.70	36.06 0.59 -15.75	33.39 1.01 -1.31	34.84 1.16 -0.11	36.05 1.24 -0.15	36.62 0.88 -12.11	39.33 0.59 -22.78	36.05 0.62 -18.57	39.19 0.13 -35.49
HILLBURN___GT 23639	35.92 -0.78 -51.48	32.80 -1.12 -55.35	29.36 -0.11 -31.79	31.56 0.04 -30.58	29.35 -0.61 -41.52	30.84 -0.67 -44.11	28.37 -0.61 -39.68	30.13 -0.55 -40.58	30.09 0.47 -20.97	32.34 0.00 -32.44	34.17 0.87 -18.25	34.36 1.36 -9.84	34.62 1.51 -7.13	33.08 1.06 -14.84	34.18 0.89 -18.69	33.94 0.74 -20.78	33.68 1.23 -12.73	34.03 1.91 -1.06	35.54 1.88 -0.09	36.72 1.94 -0.12	34.85 1.43 -9.79	35.28 0.91 -18.43	32.81 0.93 -15.02	32.47 0.20 -28.69
HILLSIDE_115KV_TB1 80332	0.74 0.42 -15.10	-5.79 0.54 -15.10	6.24 0.07 -8.48	9.27 -0.02 -8.34	-0.09 0.14 -11.33	-0.51 0.07 -12.03	0.17 0.04 -10.82	1.18 0.01 -11.07	14.28 -0.10 -5.72	8.80 0.00 -8.90	22.62 -0.17 -7.75	26.62 -0.37 -3.84	27.40 -0.52 -1.95	20.88 -0.35 -4.05	19.44 -0.26 -5.10	17.88 -0.21 -5.67	22.96 -0.23 -3.47	31.09 -0.26 -0.29	33.32 -0.27 -0.03	34.45 -0.24 -0.03	26.07 -0.23 -2.67	20.77 -0.20 -5.03	20.73 -0.22 -4.10	11.38 -0.03 -7.83

HISHELDN_WT_PWR 323625	-10.20 0.95 -3.63	-9.98 1.37 -10.07	2.68 0.15 -4.84	6.40 -0.11 -5.57	-3.61 0.40 -7.56	-4.24 0.34 -8.03	-3.19 0.28 -7.22	-2.31 0.21 -7.38	12.06 -0.41 -3.82	5.51 0.00 -5.62	2.68 -0.69 11.67	17.55 -1.15 4.45	25.93 -1.34 -1.30	18.99 -0.89 -2.70	17.31 -0.69 -3.40	15.56 -0.64 -3.78	21.03 -1.00 -2.32	29.87 -1.39 -0.19	32.10 -1.49 -0.02	33.19 -1.49 -0.02	24.21 -1.21 -1.78	18.46 -0.84 -3.35	18.78 -0.82 -2.73	8.65 -0.15 -5.22
HOLTSVILLE_IC_1 23690	36.90 -1.09 -52.77	33.79 -1.53 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.73 -40.67	31.03 -0.67 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.04 1.28 -18.71	35.23 1.99 -10.09	35.44 2.15 -7.31	33.87 1.48 -15.21	35.10 1.33 -19.16	34.77 1.06 -21.30	34.50 1.73 -13.05	34.83 2.69 -1.09	36.10 2.45 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.02 1.18 -18.89	33.53 1.28 -15.40	33.24 0.24 -29.41
HOLTSVILLE_IC_10 23699	36.83 -1.16 -52.77	33.69 -1.62 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.20 -0.81 -42.57	31.82 -0.79 -45.22	29.20 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.36 2.12 -10.09	35.58 2.30 -7.31	33.96 1.57 -15.21	35.18 1.42 -19.16	34.85 1.13 -21.30	34.62 1.84 -13.05	35.01 2.87 -1.09	36.30 2.64 -0.09	37.76 2.97 -0.13	35.77 2.10 -10.04	36.10 1.27 -18.89	33.62 1.36 -15.40	33.25 0.26 -29.41
HOLTSVILLE_IC_2 23691	36.90 -1.09 -52.77	33.79 -1.53 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.73 -40.67	31.03 -0.67 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.04 1.28 -18.71	35.23 1.99 -10.09	35.44 2.15 -7.31	33.87 1.48 -15.21	35.10 1.33 -19.16	34.77 1.06 -21.30	34.50 1.73 -13.05	34.83 2.69 -1.09	36.10 2.45 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.02 1.18 -18.89	33.53 1.28 -15.40	33.24 0.24 -29.41
HOLTSVILLE_IC_3 23692	36.90 -1.09 -52.77	33.79 -1.53 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.73 -40.67	31.03 -0.67 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.04 1.28 -18.71	35.23 1.99 -10.09	35.44 2.15 -7.31	33.87 1.48 -15.21	35.10 1.33 -19.16	34.77 1.06 -21.30	34.50 1.73 -13.05	34.83 2.69 -1.09	36.10 2.45 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.02 1.18 -18.89	33.53 1.28 -15.40	33.24 0.24 -29.41
HOLTSVILLE_IC_4 23693	36.90 -1.09 -52.77	33.79 -1.53 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.73 -40.67	31.03 -0.67 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.04 1.28 -18.71	35.23 1.99 -10.09	35.44 2.15 -7.31	33.87 1.48 -15.21	35.10 1.33 -19.16	34.77 1.06 -21.30	34.50 1.73 -13.05	34.83 2.69 -1.09	36.10 2.45 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.02 1.18 -18.89	33.53 1.28 -15.40	33.24 0.24 -29.41
HOLTSVILLE_IC_5 23694	36.90 -1.09 -52.77	33.79 -1.53 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.73 -40.67	31.03 -0.67 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.04 1.28 -18.71	35.23 1.99 -10.09	35.44 2.15 -7.31	33.87 1.48 -15.21	35.10 1.33 -19.16	34.77 1.06 -21.30	34.50 1.73 -13.05	34.83 2.69 -1.09	36.10 2.45 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.02 1.18 -18.89	33.53 1.28 -15.40	33.24 0.24 -29.41
HOLTSVILLE_IC_6 23695	36.83 -1.16 -52.77	33.69 -1.62 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.20 -0.81 -42.57	31.82 -0.79 -45.22	29.20 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.36 2.12 -10.09	35.58 2.30 -7.31	33.96 1.57 -15.21	35.18 1.42 -19.16	34.85 1.13 -21.30	34.62 1.84 -13.05	35.01 2.87 -1.09	36.30 2.64 -0.09	37.76 2.97 -0.13	35.77 2.10 -10.04	36.10 1.27 -18.89	33.62 1.36 -15.40	33.25 0.26 -29.41
HOLTSVILLE_IC_7 23696	36.83 -1.16 -52.77	33.69 -1.62 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.20 -0.81 -42.57	31.82 -0.79 -45.22	29.20 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.36 2.12 -10.09	35.58 2.30 -7.31	33.96 1.57 -15.21	35.18 1.42 -19.16	34.85 1.13 -21.30	34.62 1.84 -13.05	35.01 2.87 -1.09	36.30 2.64 -0.09	37.76 2.97 -0.13	35.77 2.10 -10.04	36.10 1.27 -18.89	33.62 1.36 -15.40	33.25 0.26 -29.41
HOLTSVILLE_IC_8 23697	36.83 -1.16 -52.77	33.69 -1.62 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.20 -0.81 -42.57	31.82 -0.79 -45.22	29.20 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.36 2.12 -10.09	35.58 2.30 -7.31	33.96 1.57 -15.21	35.18 1.42 -19.16	34.85 1.13 -21.30	34.62 1.84 -13.05	35.01 2.87 -1.09	36.30 2.64 -0.09	37.76 2.97 -0.13	35.77 2.10 -10.04	36.10 1.27 -18.89	33.62 1.36 -15.40	33.25 0.26 -29.41
HOLTSVILLE_IC_9 23698	36.83 -1.16 -52.77	33.69 -1.62 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.20 -0.81 -42.57	31.82 -0.79 -45.22	29.20 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.36 2.12 -10.09	35.58 2.30 -7.31	33.96 1.57 -15.21	35.18 1.42 -19.16	34.85 1.13 -21.30	34.62 1.84 -13.05	35.01 2.87 -1.09	36.30 2.64 -0.09	37.76 2.97 -0.13	35.77 2.10 -10.04	36.10 1.27 -18.89	33.62 1.36 -15.40	33.25 0.26 -29.41
HOMER_HL_115KV_TB2 355744	-4.83 1.04 -8.90	-9.48 1.41 -10.54	3.96 0.14 -6.13	6.69 -0.08 -5.82	-3.31 0.34 -7.91	-3.94 0.27 -8.40	-2.92 0.23 -7.56	-2.00 0.17 -7.72	12.34 -0.30 -3.99	6.02 0.00 -6.12	15.69 -0.41 -1.06	23.15 -0.87 -0.87	26.10 -1.24 -1.36	19.16 -0.85 -2.82	17.42 -0.74 -3.56	15.70 -0.67 -3.96	21.08 -1.06 -2.43	29.80 -1.46 -0.20	31.89 -1.69 -0.02	33.00 -1.68 -0.02	24.15 -1.34 -1.87	18.51 -0.94 -3.51	18.73 -0.99 -2.86	8.86 -0.18 -5.46
HOWARD_WT_PWR 323690	3.36 1.25 -16.89	-7.90 1.74 -11.79	5.01 0.21 -7.12	7.36 -0.10 -6.51	-2.01 0.70 -8.84	-2.57 0.64 -9.39	-1.76 0.48 -8.45	-0.86 0.39 -8.64	12.61 -0.50 -4.46	7.11 0.01 -7.20	33.68 -0.76 -19.40	30.51 -1.20 -8.56	25.95 -1.54 -1.52	19.36 -0.98 -3.16	17.96 -0.62 -3.98	16.30 -0.54 -4.43	21.82 -0.60 -2.71	30.65 -0.64 -0.22	33.02 -0.56 -0.02	34.09 -0.59 -0.03	25.09 -0.62 -2.09	19.36 -0.51 -3.92	19.56 -0.50 -3.20	9.59 -0.10 -6.11
HQ_GEN_CEDARS 23644	-14.78 0.00 0.00	-21.40 0.02 0.00	-2.31 0.00 0.00	0.96 0.02 0.00	-11.46 0.10 0.00	-12.47 0.13 0.00	-10.58 0.11 0.00	-9.78 0.11 0.00	8.60 -0.06 0.00	-0.11 -0.01 0.00	14.86 -0.18 0.00	22.92 -0.23 0.00	25.77 -0.21 0.00	17.07 -0.12 0.00	14.52 -0.09 0.00	12.35 -0.06 0.00	19.58 -0.14 0.00	30.82 -0.24 0.00	33.34 -0.22 0.00	34.49 -0.16 0.00	23.50 -0.12 0.00	15.89 -0.06 0.00	16.80 -0.06 0.00	3.55 -0.03 0.00
HQ_GEN_CEDARS_PROXY 323590	-14.77 0.00 0.00	-21.40 0.02 0.00	-2.31 0.00 0.00	0.46 0.02 0.51	-11.46 0.10 0.00	-12.47 0.13 0.00	-10.58 0.11 0.00	-11.78 0.11 2.00	8.60 -0.05 0.00	-0.11 -0.01 0.00	14.86 -0.18 0.00	22.92 -0.23 0.00	25.77 -0.21 0.00	17.07 -0.12 0.00	14.52 -0.09 0.00	12.35 -0.06 0.00	19.58 -0.14 0.00	30.82 -0.23 0.00	33.34 -0.22 0.00	34.49 -0.16 0.00	23.50 -0.12 0.00	15.89 -0.06 0.00	16.80 -0.06 0.00	3.55 -0.03 0.00

HQ_GEN_CHPE_PROXY 323851	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.16 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.47 1.07 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	34.00 1.23 -13.05	34.07 1.93 -1.09	35.54 1.88 -0.09	36.72 1.93 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
HQ_GEN_IMPORT 323601	-14.74 0.03 0.00	-21.36 0.06 0.00	-2.30 0.01 0.00	0.95 0.00 0.00	-11.48 0.07 0.00	-12.52 0.10 0.00	-10.61 0.08 0.00	-9.82 0.08 0.00	8.61 -0.04 0.00	-0.11 0.00 0.00	14.95 -0.09 0.00	23.04 -0.11 0.00	25.87 -0.10 0.00	17.12 -0.06 0.00	14.56 -0.05 0.00	12.38 -0.04 0.00	19.65 -0.07 0.00	30.93 -0.13 0.00	33.45 -0.12 0.00	34.55 -0.11 0.00	23.51 -0.12 0.00	15.87 -0.08 0.00	16.78 -0.07 0.00	3.56 -0.02 0.00
HQ_GEN_WHEEL 23651	-14.74 0.03 0.00	-21.36 0.06 0.00	-2.30 0.01 0.00	0.95 0.00 0.00	-11.48 0.07 0.00	-12.52 0.10 0.00	-10.61 0.08 0.00	-9.82 0.08 0.00	8.61 -0.04 0.00	-0.11 0.00 0.00	14.95 -0.09 0.00	23.04 -0.11 0.00	25.87 -0.10 0.00	17.12 -0.06 0.00	14.56 -0.05 0.00	12.38 -0.04 0.00	19.65 -0.07 0.00	30.93 -0.13 0.00	33.45 -0.12 0.00	34.55 -0.11 0.00	23.51 -0.12 0.00	15.87 -0.08 0.00	16.78 -0.07 0.00	3.56 -0.02 0.00
HUDSON_AVE_GT_3 23810	37.20 -0.79 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.39 -0.62 -42.56	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.13 -0.56 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.64 0.88 -18.71	34.65 1.40 -10.09	34.84 1.55 -7.31	33.50 1.11 -15.21	34.67 0.91 -19.16	34.48 0.76 -21.30	34.04 1.27 -13.05	34.13 1.98 -1.09	35.61 1.95 -0.09	36.80 2.01 -0.13	35.15 1.48 -10.04	35.76 0.93 -18.89	33.24 0.98 -15.40	33.20 0.21 -29.41
HUDSON_AVE_GT_4 23540	37.20 -0.79 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.39 -0.62 -42.56	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.13 -0.56 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.64 0.88 -18.71	34.65 1.40 -10.09	34.84 1.55 -7.31	33.50 1.11 -15.21	34.67 0.91 -19.16	34.48 0.76 -21.30	34.04 1.27 -13.05	34.13 1.98 -1.09	35.61 1.95 -0.09	36.80 2.01 -0.13	35.15 1.48 -10.04	35.76 0.93 -18.89	33.24 0.98 -15.40	33.20 0.21 -29.41
HUDSON_AVE_GT_5 23657	37.20 -0.79 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.39 -0.62 -42.56	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.13 -0.56 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.64 0.88 -18.71	34.65 1.40 -10.09	34.84 1.55 -7.31	33.50 1.11 -15.21	34.67 0.91 -19.16	34.48 0.76 -21.30	34.04 1.27 -13.05	34.13 1.98 -1.09	35.61 1.95 -0.09	36.80 2.01 -0.13	35.15 1.48 -10.04	35.76 0.93 -18.89	33.24 0.98 -15.40	33.20 0.21 -29.41
HUDSON_AVE_10 24168	37.29 -0.70 -52.77	34.31 -1.00 -56.73	30.17 -0.10 -32.58	32.33 0.03 -31.35	30.45 -0.56 -42.56	32.01 -0.60 -45.22	29.41 -0.57 -40.67	31.19 -0.51 -41.59	30.62 0.47 -21.50	27.61 0.01 -27.70	28.99 0.80 -13.15	34.52 1.27 -10.09	34.70 1.41 -7.31	33.40 1.01 -15.21	34.58 0.83 -19.15	34.40 0.69 -21.29	33.92 1.16 -13.05	33.95 1.81 -1.08	35.42 1.77 -0.09	36.59 1.81 -0.12	35.01 1.35 -10.03	35.67 0.85 -18.88	33.16 0.91 -15.40	33.18 0.19 -29.41
HUDSON___115KV_TB 4 355613	43.79 -0.60 -59.17	41.33 -0.86 -63.62	34.13 -0.10 -36.54	36.14 0.04 -35.15	35.66 -0.51 -47.73	37.54 -0.56 -50.71	34.43 -0.49 -45.61	36.29 -0.45 -46.64	33.13 0.37 -24.11	37.19 0.00 -37.29	36.67 0.64 -20.98	35.48 1.01 -11.32	35.25 1.07 -8.20	34.93 0.68 -17.06	36.66 0.58 -21.48	36.79 0.49 -23.89	35.16 0.81 -14.63	33.62 1.34 -1.22	35.14 1.47 -0.10	36.24 1.45 -0.14	35.92 1.03 -11.26	37.83 0.70 -21.18	34.88 0.76 -17.27	36.73 0.17 -32.98
HUNTER MOUNT___DRP 323613	42.84 -0.63 -58.25	40.31 -0.90 -62.62	33.55 -0.10 -35.96	35.60 0.05 -34.60	34.90 -0.52 -46.98	36.72 -0.58 -49.91	33.69 -0.50 -44.89	35.53 -0.48 -45.91	32.79 0.41 -23.73	36.61 0.01 -36.71	36.41 0.71 -20.65	35.40 1.11 -11.14	35.24 1.19 -8.07	34.73 0.76 -16.79	36.38 0.63 -21.15	36.47 0.54 -23.51	35.01 0.89 -14.41	33.78 1.52 -1.20	35.32 1.64 -0.10	36.41 1.61 -0.14	35.83 1.12 -11.08	37.55 0.76 -20.85	34.66 0.81 -16.99	36.23 0.18 -32.47
HUNTINGTON_RES_REC 323705	36.95 -1.04 -52.77	33.88 -1.43 -56.74	30.14 -0.13 -32.59	32.35 0.05 -31.35	30.28 -0.72 -42.57	31.91 -0.71 -45.22	29.28 -0.70 -40.67	31.07 -0.63 -41.59	30.67 0.51 -21.50	33.16 0.01 -33.26	34.99 1.23 -18.71	35.17 1.93 -10.09	35.37 2.09 -7.31	33.83 1.43 -15.21	35.05 1.29 -19.16	34.74 1.02 -21.30	34.44 1.66 -13.05	34.71 2.57 -1.09	35.94 2.28 -0.09	37.40 2.62 -0.13	35.53 1.86 -10.04	35.95 1.11 -18.89	33.46 1.21 -15.40	33.23 0.23 -29.41
HUNTLEY___63 23557	-7.90 0.61 -6.27	-11.59 0.85 -8.98	2.97 0.08 -5.20	5.80 -0.11 -4.96	-4.77 0.05 -6.74	-5.46 -0.01 -7.16	-4.27 -0.01 -6.44	-3.36 -0.04 -6.58	11.85 -0.21 -3.40	5.05 0.00 -5.16	12.17 -0.42 2.45	21.69 -0.81 0.66	26.16 -0.98 -1.16	18.92 -0.67 -2.41	17.03 -0.60 -3.03	15.17 -0.61 -3.37	20.70 -1.08 -2.07	29.74 -1.49 -0.17	31.84 -1.74 -0.02	32.91 -1.76 -0.02	23.79 -1.42 -1.59	17.95 -0.99 -2.99	18.39 -0.90 -2.44	8.06 -0.17 -4.66
HUNTLEY___64 23558	-7.90 0.61 -6.27	-11.59 0.85 -8.98	2.97 0.08 -5.20	5.80 -0.11 -4.96	-4.77 0.05 -6.74	-5.46 -0.01 -7.16	-4.27 -0.01 -6.44	-3.36 -0.04 -6.58	11.85 -0.21 -3.40	5.05 0.00 -5.16	12.17 -0.42 2.45	21.69 -0.81 0.66	26.16 -0.98 -1.16	18.92 -0.67 -2.41	17.03 -0.60 -3.03	15.17 -0.61 -3.37	20.70 -1.08 -2.07	29.74 -1.49 -0.17	31.84 -1.74 -0.02	32.91 -1.76 -0.02	23.79 -1.42 -1.59	17.95 -0.99 -2.99	18.39 -0.90 -2.44	8.06 -0.17 -4.66
HUNTLEY___65 23559	-7.90 0.61 -6.27	-11.59 0.85 -8.98	2.97 0.08 -5.20	5.80 -0.11 -4.96	-4.77 0.05 -6.74	-5.46 -0.01 -7.16	-4.27 -0.01 -6.44	-3.36 -0.04 -6.58	11.85 -0.21 -3.40	5.05 0.00 -5.16	12.17 -0.42 2.45	21.69 -0.81 0.66	26.16 -0.98 -1.16	18.92 -0.67 -2.41	17.03 -0.60 -3.03	15.17 -0.61 -3.37	20.70 -1.08 -2.07	29.74 -1.49 -0.17	31.84 -1.74 -0.02	32.91 -1.76 -0.02	23.79 -1.42 -1.59	17.95 -0.99 -2.99	18.39 -0.90 -2.44	8.06 -0.17 -4.66
HUNTLEY___66 23560	-7.90 0.61 -6.27	-11.59 0.85 -8.98	2.97 0.08 -5.20	5.80 -0.11 -4.96	-4.77 0.05 -6.74	-5.46 -0.01 -7.16	-4.27 -0.01 -6.44	-3.36 -0.04 -6.58	11.85 -0.21 -3.40	5.05 0.00 -5.16	12.17 -0.42 2.45	21.69 -0.81 0.66	26.16 -0.98 -1.16	18.92 -0.67 -2.41	17.03 -0.60 -3.03	15.17 -0.61 -3.37	20.70 -1.08 -2.07	29.74 -1.49 -0.17	31.84 -1.74 -0.02	32.91 -1.76 -0.02	23.79 -1.42 -1.59	17.95 -0.99 -2.99	18.39 -0.90 -2.44	8.06 -0.17 -4.66
HUNTLEY___67 23561	-7.82 0.79 -6.17	-11.26 1.10 -9.06	3.04 0.10 -5.25	5.84 -0.11 -5.01	-4.58 0.18 -6.80	-5.25 0.14 -7.22	-4.08 0.11 -6.50	-3.19 0.07 -6.64	11.79 -0.30 -3.43	5.08 -0.01 -5.20	11.57 -0.58 2.89	21.28 -1.03 0.84	25.94 -1.20 -1.17	18.82 -0.79 -2.43	17.00 -0.66 -3.06	15.17 -0.65 -3.40	20.62 -1.18 -2.09	29.54 -1.69 -0.17	31.61 -1.97 -0.02	32.67 -2.01 -0.02	23.67 -1.56 -1.61	17.91 -1.05 -3.02	18.33 -0.99 -2.46	8.08 -0.19 -4.70



HUNTLEY___68 23562	-7.82 0.79 -6.17	-11.26 1.10 -9.06	3.04 0.10 -5.25	5.84 -0.11 -5.01	-4.58 0.18 -6.80	-5.25 0.14 -7.22	-4.08 0.11 -6.50	-3.19 0.07 -6.64	11.79 -0.30 -3.43	5.08 -0.01 -5.20	11.57 -0.58 2.89	21.28 -1.03 0.84	25.94 -1.20 -1.17	18.82 -0.79 -2.43	17.00 -0.66 -3.06	15.17 -0.65 -3.40	20.62 -1.18 -2.09	29.54 -1.69 -0.17	31.61 -1.97 -0.02	32.67 -2.01 -0.02	23.67 -1.56 -1.61	17.91 -1.05 -3.02	18.33 -0.99 -2.46	8.08 -0.19 -4.70
HYLAND___LFGE 323620	0.73 -0.07 -15.58	-11.86 -0.07 -9.63	3.66 -0.01 -5.98	6.23 -0.04 -5.32	-4.60 -0.27 -7.22	-5.30 -0.37 -7.68	-4.14 -0.35 -6.90	-3.18 -0.35 -7.06	12.41 0.11 -3.65	5.86 -0.01 -5.98	35.43 -0.13 -20.52	31.72 -0.37 -8.94	26.71 -0.51 -1.24	19.45 -0.32 -2.58	17.69 -0.17 -3.25	15.82 -0.21 -3.61	21.70 -0.23 -2.22	31.22 -0.03 -0.18	34.24 0.66 -0.02	35.67 1.00 -0.02	25.99 0.66 -1.70	19.57 0.41 -3.21	19.89 0.42 -2.61	8.66 0.09 -4.99
INDECK___CORINTH 23802	46.16 -0.96 -61.89	43.88 -1.24 -66.55	35.77 -0.13 -38.22	37.78 0.06 -36.77	37.67 -0.70 -49.93	39.64 -0.79 -53.04	36.32 -0.69 -47.71	38.25 -0.63 -48.78	34.42 0.55 -25.21	38.90 0.00 -39.01	37.97 0.98 -21.95	36.43 1.43 -11.84	36.13 1.58 -8.57	35.99 0.96 -17.84	37.89 0.82 -22.47	38.13 0.73 -24.99	36.34 1.31 -15.31	34.49 2.15 -1.27	36.16 2.48 -0.11	37.32 2.51 -0.15	37.04 1.63 -11.78	39.28 1.18 -22.15	36.12 1.20 -18.06	38.33 0.25 -34.50
INDECK___ILION 23567	-15.77 -0.99 0.00	-22.15 -0.73 0.00	-2.39 -0.08 0.00	0.97 0.03 0.00	-12.04 -0.48 0.00	-13.19 -0.58 0.00	-11.19 -0.49 0.00	-10.37 -0.47 0.00	9.02 0.36 0.00	-0.10 0.00 0.00	15.79 0.75 0.00	24.11 0.96 0.00	27.04 1.06 0.00	17.91 0.72 0.00	15.19 0.58 0.00	12.85 0.44 0.00	20.51 0.79 0.00	32.23 1.17 0.00	34.98 1.41 0.00	36.10 1.44 0.00	24.80 1.18 0.00	16.71 0.76 0.00	17.60 0.74 0.00	3.76 0.18 0.00
INDECK___OLEAN 23982	-4.84 1.04 -8.90	-9.47 1.41 -10.54	3.96 0.14 -6.13	6.69 -0.08 -5.82	-3.31 0.34 -7.91	-3.94 0.27 -8.40	-2.91 0.23 -7.56	-2.00 0.17 -7.72	12.34 -0.30 -3.99	6.03 0.01 -6.12	15.69 -0.41 -1.06	23.15 -0.87 -0.87	26.10 -1.23 -1.36	19.16 -0.84 -2.82	17.42 -0.74 -3.56	15.70 -0.67 -3.96	21.09 -1.06 -2.43	29.74 -1.52 -0.20	31.89 -1.70 -0.02	33.00 -1.68 -0.02	24.15 -1.34 -1.87	18.51 -0.94 -3.51	18.70 -1.02 -2.86	8.86 -0.18 -5.46
INDECK___OSWEGO 23783	-10.08 0.35 -4.34	-16.25 0.50 -4.67	0.43 0.06 -2.68	3.50 -0.03 -2.58	-7.82 0.24 -3.50	-8.64 0.24 -3.72	-7.14 0.21 -3.35	-6.30 0.17 -3.42	10.25 -0.18 -1.77	2.63 0.00 -2.74	16.26 -0.32 -1.54	23.48 -0.50 -0.83	25.99 -0.59 -0.60	18.04 -0.40 -1.25	15.83 -0.35 -1.58	13.86 -0.31 -1.75	20.31 -0.48 -1.08	30.42 -0.73 -0.09	32.78 -0.79 -0.01	33.87 -0.50 -0.01	23.96 -0.33 -0.83	17.17 -0.38 -1.55	17.75 -0.38 -1.27	5.92 -0.08 -2.42
INDECK___YERKES 23781	-7.91 0.59 -6.27	-11.60 0.84 -8.98	2.97 0.08 -5.20	5.80 -0.11 -4.96	-4.78 0.04 -6.74	-5.47 -0.02 -7.16	-4.28 -0.02 -6.44	-3.37 -0.05 -6.58	11.85 -0.20 -3.40	5.06 0.01 -5.16	12.18 -0.41 2.45	21.71 -0.78 0.66	26.18 -0.95 -1.16	18.94 -0.65 -2.41	17.04 -0.59 -3.03	15.19 -0.60 -3.37	20.72 -1.06 -2.07	29.72 -1.51 -0.17	31.86 -1.73 -0.02	32.94 -1.74 -0.02	23.81 -1.41 -1.59	17.96 -0.98 -2.99	18.39 -0.91 -2.44	8.06 -0.17 -4.66
INDIAN POINT_GT_1 24139	36.99 -0.74 -52.51	33.98 -1.05 -56.46	30.01 -0.11 -32.42	32.18 0.04 -31.19	30.22 -0.58 -42.36	31.76 -0.63 -45.00	29.20 -0.58 -40.47	30.97 -0.52 -41.39	30.50 0.45 -21.39	32.99 0.00 -33.09	34.50 0.84 -18.62	34.51 1.32 -10.04	34.70 1.45 -7.27	33.34 1.02 -15.13	34.52 0.85 -19.06	34.32 0.71 -21.20	33.88 1.18 -12.99	33.97 1.83 -1.08	35.47 1.81 -0.09	36.63 1.85 -0.13	34.98 1.36 -9.99	35.61 0.86 -18.79	33.08 0.90 -15.32	33.04 0.19 -29.27
INDIAN POINT_GT_2 23659	36.99 -0.74 -52.51	33.98 -1.05 -56.46	30.01 -0.11 -32.42	32.18 0.04 -31.19	30.22 -0.58 -42.36	31.76 -0.63 -45.00	29.20 -0.58 -40.47	30.97 -0.52 -41.39	30.50 0.45 -21.39	32.99 0.00 -33.09	34.50 0.84 -18.62	34.51 1.32 -10.04	34.70 1.45 -7.27	33.34 1.02 -15.13	34.52 0.85 -19.06	34.32 0.71 -21.20	33.88 1.18 -12.99	33.97 1.83 -1.08	35.47 1.81 -0.09	36.63 1.85 -0.13	34.98 1.36 -9.99	35.61 0.86 -18.79	33.08 0.90 -15.32	33.04 0.19 -29.27
INDIAN POINT_GT_3 24019	36.99 -0.74 -52.51	33.98 -1.05 -56.46	30.01 -0.11 -32.42	32.18 0.04 -31.19	30.22 -0.58 -42.36	31.76 -0.63 -45.00	29.20 -0.58 -40.47	30.97 -0.52 -41.39	30.50 0.45 -21.39	32.99 0.00 -33.09	34.50 0.84 -18.62	34.51 1.32 -10.04	34.70 1.45 -7.27	33.34 1.02 -15.13	34.52 0.85 -19.06	34.32 0.71 -21.20	33.88 1.18 -12.99	33.97 1.83 -1.08	35.47 1.81 -0.09	36.63 1.85 -0.13	34.98 1.36 -9.99	35.61 0.86 -18.79	33.08 0.90 -15.32	33.04 0.19 -29.27
INDIAN POINT___2 23530	36.60 -0.74 -52.12	33.56 -1.06 -56.04	29.77 -0.11 -32.18	31.94 0.03 -30.96	29.91 -0.58 -42.04	31.42 -0.63 -44.67	28.90 -0.58 -40.17	30.66 -0.52 -41.08	30.34 0.45 -21.23	32.75 0.00 -32.85	34.36 0.84 -18.48	34.43 1.30 -9.97	34.63 1.44 -7.22	33.22 1.01 -15.02	34.37 0.85 -18.92	34.16 0.71 -21.04	33.78 1.17 -12.89	33.96 1.83 -1.07	35.46 1.80 -0.09	36.63 1.85 -0.13	34.90 1.35 -9.92	35.46 0.86 -18.66	32.96 0.89 -15.21	32.82 0.19 -29.05
INDIAN POINT___3 23531	37.01 -0.73 -52.52	34.00 -1.05 -56.47	30.02 -0.11 -32.43	32.18 0.03 -31.20	30.23 -0.58 -42.37	31.77 -0.63 -45.01	29.21 -0.58 -40.48	30.99 -0.52 -41.40	30.51 0.45 -21.39	33.00 0.00 -33.10	34.50 0.84 -18.63	34.51 1.31 -10.05	34.70 1.45 -7.28	33.34 1.02 -15.14	34.52 0.85 -19.07	34.33 0.71 -21.20	33.88 1.17 -12.99	33.96 1.82 -1.08	35.46 1.80 -0.09	36.63 1.84 -0.13	34.98 1.35 -9.99	35.61 0.86 -18.80	33.08 0.89 -15.33	33.04 0.19 -29.28
INDIANHD_69_KV_BK1 55831	36.91 -1.09 -52.77	33.81 -1.50 -56.74	30.13 -0.14 -32.59	32.35 0.05 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.74 -40.67	31.03 -0.66 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.05 1.30 -18.71	35.26 2.02 -10.09	35.47 2.18 -7.31	33.89 1.50 -15.21	35.11 1.34 -19.16	34.79 1.07 -21.30	34.52 1.75 -13.05	34.83 2.69 -1.09	36.10 2.44 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.01 1.18 -18.89	33.53 1.27 -15.40	33.24 0.25 -29.41
INGHAM_C_115KV_TB7 356103	-15.77 -0.99 0.00	-22.15 -0.73 0.00	-2.39 -0.08 0.00	0.97 0.03 0.00	-12.04 -0.48 0.00	-13.19 -0.58 0.00	-11.19 -0.49 0.00	-10.37 -0.47 0.00	9.02 0.36 0.00	-0.10 0.00 0.00	15.79 0.75 0.00	24.11 0.96 0.00	27.04 1.06 0.00	17.91 0.72 0.00	15.19 0.58 0.00	12.85 0.44 0.00	20.51 0.79 0.00	32.23 1.17 0.00	34.98 1.41 0.00	36.10 1.44 0.00	24.80 1.18 0.00	16.71 0.76 0.00	17.60 0.74 0.00	3.76 0.18 0.00
IP CORINTH___1 23988	46.16 -0.96 -61.89	43.88 -1.24 -66.55	35.77 -0.13 -38.22	37.78 0.06 -36.77	37.67 -0.70 -49.93	39.64 -0.79 -53.04	36.32 -0.69 -47.71	38.25 -0.63 -48.78	34.41 0.55 -25.21	38.90 -0.01 -39.01	37.97 0.98 -21.95	36.43 1.44 -11.84	36.13 1.58 -8.57	35.99 0.97 -17.84	37.89 0.82 -22.47	38.13 0.74 -24.99	36.34 1.31 -15.31	34.49 2.15 -1.27	36.16 2.48 -0.11	37.32 2.51 -0.15	37.04 1.63 -11.78	39.28 1.18 -22.15	36.12 1.20 -18.06	38.33 0.25 -34.50

IP___TICONDEROGA 23804	45.44 -1.62 -61.84	43.14 -1.92 -66.49	35.67 -0.21 -38.18	37.79 0.10 -36.73	37.25 -1.07 -49.88	39.13 -1.26 -52.99	35.85 -1.11 -47.66	37.87 -0.98 -48.74	34.69 0.85 -25.19	38.87 0.00 -38.97	38.66 1.69 -21.93	37.33 2.35 -11.83	37.39 2.85 -8.57	36.65 1.64 -17.82	38.47 1.42 -22.45	38.66 1.28 -24.96	37.20 2.19 -15.29	35.93 3.60 -1.27	37.82 4.15 -0.11	38.98 4.17 -0.15	38.13 2.74 -11.77	40.10 2.02 -22.13	36.99 2.09 -18.04	38.48 0.43 -34.47
ISLIP_RES_REC 323679	36.79 -1.20 -52.77	33.64 -1.67 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.18 -0.83 -42.57	31.79 -0.82 -45.22	29.17 -0.80 -40.67	30.96 -0.74 -41.59	30.77 0.61 -21.50	33.16 0.01 -33.26	35.17 1.42 -18.71	35.45 2.21 -10.09	35.68 2.39 -7.31	34.02 1.63 -15.21	35.24 1.47 -19.16	34.89 1.18 -21.30	34.69 1.92 -13.05	35.13 2.98 -1.09	36.43 2.77 -0.09	37.88 3.10 -0.13	35.86 2.19 -10.04	36.16 1.32 -18.89	33.68 1.42 -15.40	33.26 0.27 -29.41
JAMAICA__27_KV_LOAD 355505	37.24 -0.75 -52.77	34.25 -1.05 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.42 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.60 -40.67	31.14 -0.56 -41.59	30.67 0.51 -21.50	27.60 0.00 -27.70	29.02 0.82 -13.15	34.56 1.32 -10.09	34.74 1.45 -7.31	33.44 1.05 -15.21	34.60 0.85 -19.15	34.42 0.71 -21.29	33.95 1.19 -13.05	34.00 1.86 -1.08	35.47 1.82 -0.09	36.65 1.88 -0.12	35.04 1.38 -10.03	35.70 0.87 -18.88	33.23 0.97 -15.40	33.20 0.21 -29.41
JANIS___SOLAR 323808	0.46 -0.27 -15.51	-5.61 -0.34 -16.16	6.94 0.00 -9.25	9.86 -0.01 -8.93	0.36 -0.20 -12.12	0.02 -0.25 -12.88	0.68 -0.21 -11.58	1.63 -0.32 -11.85	14.97 0.19 -6.12	9.39 0.00 -9.50	21.92 0.29 -6.58	26.86 0.31 -3.40	28.25 0.19 -2.08	21.64 0.12 -4.33	20.06 0.00 -5.46	18.50 0.02 -6.07	23.55 0.12 -3.72	31.84 0.47 -0.31	34.29 0.70 -0.03	35.66 0.96 -0.04	27.21 0.72 -2.86	21.75 0.42 -5.38	21.60 0.36 -4.39	12.04 0.09 -8.38
JARVIS____ 23743	-14.84 -0.07 0.00	-21.51 -0.09 0.00	-2.32 -0.01 0.00	0.95 0.00 0.00	-11.62 -0.06 0.00	-12.67 -0.06 0.00	-10.75 -0.06 0.00	-9.95 -0.05 0.00	8.69 0.03 0.00	-0.10 0.00 0.00	15.12 0.08 0.00	23.27 0.11 0.00	26.11 0.13 0.00	17.27 0.08 0.00	14.66 0.06 0.00	12.46 0.05 0.00	19.80 0.08 0.00	31.19 0.13 0.00	33.70 0.13 0.00	34.80 0.14 0.00	23.75 0.12 0.00	16.03 0.08 0.00	16.94 0.09 0.00	3.60 0.02 0.00
JENNISON___1 23625	4.59 -0.41 -19.78	-0.98 -0.55 -20.98	9.75 0.04 -12.02	12.52 -0.03 -11.59	4.05 -0.13 -15.74	3.96 -0.16 -16.73	4.28 -0.06 -15.05	5.19 -0.30 -15.38	16.63 0.03 -7.95	12.21 0.00 -12.32	22.72 0.07 -7.61	27.19 0.02 -4.02	28.61 -0.07 -2.70	22.87 0.05 -5.62	21.68 -0.01 -7.09	20.27 -0.02 -7.88	24.63 0.08 -4.83	31.74 0.27 -0.40	34.05 0.45 -0.03	35.26 0.56 -0.05	27.71 0.37 -3.71	23.17 0.24 -6.99	22.72 0.16 -5.70	14.52 0.06 -10.88
JENNISON___2 23626	4.59 -0.41 -19.78	-0.98 -0.55 -20.98	9.75 0.04 -12.02	12.52 -0.03 -11.59	4.05 -0.13 -15.74	3.96 -0.16 -16.73	4.28 -0.06 -15.05	5.19 -0.30 -15.38	16.63 0.03 -7.95	12.21 0.00 -12.32	22.72 0.07 -7.61	27.19 0.02 -4.02	28.61 -0.07 -2.70	22.87 0.05 -5.62	21.68 -0.01 -7.09	20.27 -0.02 -7.88	24.63 0.08 -4.83	31.74 0.27 -0.40	34.05 0.45 -0.03	35.26 0.56 -0.05	27.71 0.37 -3.71	23.17 0.24 -6.99	22.72 0.16 -5.70	14.52 0.06 -10.88
JERICHO_RISE_WT_PWR 323719	-14.74 0.03 0.00	-21.31 0.12 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.31 0.25 0.00	-12.25 0.36 0.00	-10.37 0.33 0.00	-9.57 0.32 0.00	8.42 -0.23 0.00	-0.11 0.00 0.00	14.65 -0.39 0.00	22.62 -0.53 0.00	25.43 -0.54 0.00	16.85 -0.33 0.00	14.35 -0.25 0.00	12.25 -0.16 0.00	19.40 -0.32 0.00	30.59 -0.48 0.00	33.18 -0.39 0.00	34.38 -0.28 0.00	23.46 -0.16 0.00	15.84 -0.10 0.00	16.75 -0.11 0.00	3.54 -0.03 0.00
KATONAH___115KV_46KV_TB4 355592	37.69 -0.78 -53.24	34.71 -1.11 -57.25	30.45 -0.11 -32.88	32.62 0.04 -31.63	30.79 -0.60 -42.95	32.36 -0.66 -45.63	29.74 -0.60 -41.04	31.52 -0.55 -41.97	30.83 0.48 -21.69	33.46 0.00 -33.56	34.83 0.91 -18.88	34.76 1.43 -10.19	34.92 1.57 -7.38	33.63 1.09 -15.35	34.84 0.91 -19.33	34.67 0.76 -21.49	34.14 1.25 -13.17	34.12 1.97 -1.10	35.61 1.95 -0.09	36.77 1.98 -0.13	35.21 1.45 -10.13	35.93 0.92 -19.06	33.35 0.95 -15.53	33.46 0.20 -29.68
KCE_NY_1 323755	46.24 -0.77 -61.78	43.96 -1.04 -66.42	35.72 -0.11 -38.15	37.69 0.05 -36.70	37.68 -0.59 -49.83	39.67 -0.66 -52.94	36.35 -0.57 -47.62	38.26 -0.54 -48.70	34.27 0.45 -25.17	38.83 0.00 -38.94	37.77 0.82 -21.91	36.19 1.22 -11.82	35.89 1.36 -8.56	35.86 0.86 -17.80	37.77 0.73 -22.43	38.00 0.64 -24.94	36.05 1.06 -15.28	34.03 1.70 -1.27	35.58 1.91 -0.11	36.73 1.93 -0.15	36.71 1.32 -11.76	38.97 0.91 -22.11	35.84 0.95 -18.03	38.22 0.20 -34.44
KCE_NY_6_ESR 323823	-7.69 0.73 -6.35	-10.86 1.03 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.25 0.16 -7.15	-4.91 0.10 -7.60	-3.78 0.08 -6.83	-2.88 0.03 -6.99	12.00 -0.26 -3.61	5.35 -0.01 -5.46	11.23 -0.45 3.37	21.27 -0.87 1.02	26.19 -1.01 -1.23	19.06 -0.68 -2.55	17.28 -0.54 -3.22	15.45 -0.54 -3.58	20.95 -0.96 -2.19	29.89 -1.36 -0.18	32.05 -1.53 -0.02	33.18 -1.49 -0.02	24.08 -1.24 -1.69	18.27 -0.85 -3.17	18.62 -0.82 -2.59	8.37 -0.15 -4.94
KEDC PORT_JEFF_GT2 24210	36.85 -1.15 -52.77	33.72 -1.59 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	31.00 -0.70 -41.59	30.73 0.58 -21.50	33.16 0.01 -33.26	35.11 1.35 -18.71	35.33 2.09 -10.09	35.55 2.26 -7.31	33.94 1.55 -15.21	35.17 1.40 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.97 2.82 -1.09	36.24 2.58 -0.09	37.70 2.92 -0.13	35.74 2.07 -10.04	36.08 1.24 -18.89	33.60 1.35 -15.40	33.25 0.25 -29.41
KEDC PORT_JEFF_GT3 24211	36.85 -1.15 -52.77	33.72 -1.59 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	31.00 -0.70 -41.59	30.73 0.58 -21.50	33.16 0.01 -33.26	35.11 1.35 -18.71	35.33 2.09 -10.09	35.55 2.26 -7.31	33.94 1.55 -15.21	35.17 1.40 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.97 2.82 -1.09	36.24 2.58 -0.09	37.70 2.92 -0.13	35.74 2.07 -10.04	36.08 1.24 -18.89	33.60 1.35 -15.40	33.25 0.25 -29.41
KEDC_GLWD_GT4 24219	37.10 -0.90 -52.77	34.05 -1.26 -56.74	30.15 -0.13 -32.59	32.34 0.05 -31.35	30.33 -0.67 -42.57	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.10 -0.60 -41.59	30.67 0.52 -21.50	33.16 0.00 -33.26	34.82 1.07 -18.71	34.92 1.67 -10.09	35.12 1.83 -7.31	33.67 1.27 -15.21	34.85 1.09 -19.16	34.61 0.89 -21.30	34.23 1.46 -13.05	34.42 2.28 -1.09	35.84 2.18 -0.09	37.10 2.32 -0.13	35.36 1.69 -10.04	35.88 1.05 -18.89	33.34 1.09 -15.40	33.22 0.22 -29.41
KEDC_GLWD_GT5 24220	37.10 -0.90 -52.77	34.05 -1.26 -56.74	30.15 -0.13 -32.59	32.34 0.05 -31.35	30.33 -0.67 -42.57	31.91 -0.70 -45.22	29.31 -0.66 -40.67	31.10 -0.60 -41.59	30.67 0.52 -21.50	33.16 0.00 -33.26	34.82 1.07 -18.71	34.92 1.67 -10.09	35.12 1.83 -7.31	33.67 1.27 -15.21	34.85 1.09 -19.16	34.61 0.89 -21.30	34.23 1.46 -13.05	34.42 2.28 -1.09	35.84 2.18 -0.09	37.10 2.32 -0.13	35.36 1.69 -10.04	35.88 1.05 -18.89	33.34 1.09 -15.40	33.22 0.22 -29.41

KENSICO____ 23655	37.18 -0.77 -52.72	34.17 -1.09 -56.69	30.13 -0.11 -32.56	32.30 0.04 -31.32	30.37 -0.60 -42.53	31.93 -0.65 -45.18	29.35 -0.60 -40.64	31.12 -0.54 -41.56	30.61 0.47 -21.48	33.13 0.00 -33.23	34.61 0.87 -18.70	34.61 1.37 -10.08	34.80 1.52 -7.30	33.45 1.06 -15.20	34.63 0.88 -19.14	34.44 0.74 -21.28	33.99 1.23 -13.04	34.06 1.91 -1.09	35.54 1.88 -0.09	36.70 1.92 -0.13	35.08 1.41 -10.03	35.72 0.90 -18.87	33.18 0.94 -15.38	33.16 0.20 -29.39
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	36.07 -0.86 -51.71	32.93 -1.24 -55.59	29.49 -0.13 -31.93	31.71 0.04 -30.72	29.49 -0.66 -41.71	30.97 -0.73 -44.31	28.50 -0.66 -39.86	30.26 -0.60 -40.76	30.26 0.54 -21.06	32.48 0.00 -32.59	34.41 1.03 -18.34	34.61 1.56 -9.89	34.86 1.72 -7.16	33.28 1.18 -14.90	34.37 0.99 -18.77	34.12 0.83 -20.87	33.88 1.38 -12.79	34.30 2.17 -1.06	35.89 2.23 -0.09	37.09 2.31 -0.13	35.12 1.66 -9.84	35.51 1.06 -18.51	33.02 1.07 -15.09	32.62 0.22 -28.82
KIAC_JFK_GT1 23816	37.31 -0.68 -52.77	34.35 -0.96 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.48 -0.53 -42.56	32.04 -0.57 -45.22	29.43 -0.55 -40.67	31.19 -0.50 -41.59	30.62 0.47 -21.50	27.60 0.00 -27.70	28.93 0.74 -13.15	34.43 1.19 -10.09	34.59 1.31 -7.31	33.34 0.95 -15.21	34.52 0.77 -19.15	34.35 0.64 -21.29	33.84 1.08 -13.05	33.82 1.68 -1.08	35.28 1.63 -0.09	36.45 1.68 -0.12	34.91 1.25 -10.03	35.61 0.78 -18.88	33.14 0.88 -15.40	33.18 0.19 -29.41
KIAC_JFK_GT2 23817	37.31 -0.68 -52.77	34.35 -0.96 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.48 -0.53 -42.56	32.04 -0.57 -45.22	29.43 -0.55 -40.67	31.19 -0.50 -41.59	30.62 0.47 -21.50	27.60 0.00 -27.70	28.93 0.74 -13.15	34.43 1.19 -10.09	34.59 1.31 -7.31	33.34 0.95 -15.21	34.52 0.77 -19.15	34.35 0.64 -21.29	33.84 1.08 -13.05	33.82 1.68 -1.08	35.28 1.63 -0.09	36.45 1.68 -0.12	34.91 1.25 -10.03	35.61 0.78 -18.88	33.14 0.88 -15.40	33.18 0.19 -29.41
KIAC_JFK____ 323774	37.30 -0.69 -52.77	34.35 -0.96 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.48 -0.53 -42.56	32.04 -0.57 -45.22	29.43 -0.55 -40.67	31.19 -0.50 -41.59	30.62 0.47 -21.50	27.60 0.00 -27.70	28.94 0.74 -13.15	34.43 1.19 -10.09	34.59 1.31 -7.31	33.34 0.95 -15.21	34.52 0.77 -19.15	34.35 0.64 -21.29	33.84 1.08 -13.05	33.84 1.69 -1.08	35.28 1.63 -0.09	36.45 1.68 -0.12	34.91 1.25 -10.03	35.61 0.78 -18.88	33.14 0.88 -15.40	33.18 0.19 -29.41
KINTIGH_24_KV_GSU 356498	-7.99 0.65 -6.13	-12.46 0.91 -8.05	2.43 0.08 -4.66	5.29 -0.10 -4.45	-5.39 0.13 -6.04	-6.10 0.09 -6.42	-4.86 0.06 -5.78	-3.96 0.03 -5.90	11.47 -0.24 -3.05	4.54 -0.01 -4.65	13.67 -0.48 0.89	22.26 -0.85 0.04	26.02 -0.99 -1.04	18.70 -0.65 -2.16	16.78 -0.54 -2.72	14.91 -0.53 -3.02	20.57 -0.99 -1.85	29.74 -1.47 -0.15	31.90 -1.68 -0.01	32.95 -1.72 -0.02	23.74 -1.31 -1.43	17.76 -0.87 -2.68	18.20 -0.84 -2.19	7.59 -0.16 -4.18
KINTIGH____ 23543	-7.98 0.66 -6.13	-12.45 0.92 -8.05	2.44 0.08 -4.66	5.29 -0.10 -4.45	-5.38 0.13 -6.04	-6.10 0.09 -6.42	-4.85 0.07 -5.78	-3.96 0.04 -5.90	11.46 -0.24 -3.05	4.53 -0.01 -4.65	13.66 -0.50 0.89	22.24 -0.87 0.04	26.01 -1.01 -1.04	18.68 -0.66 -2.16	16.77 -0.55 -2.72	14.90 -0.54 -3.02	20.56 -1.00 -1.85	29.76 -1.46 -0.15	31.88 -1.70 -0.01	32.93 -1.75 -0.02	23.74 -1.32 -1.43	17.74 -0.88 -2.68	18.20 -0.84 -2.19	7.59 -0.16 -4.18
KNTFSRNC_46_KV_46KV_LOAD 80397	-14.91 -0.13 0.00	-21.53 -0.11 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.43 0.13 0.00	-12.41 0.20 0.00	-10.50 0.20 0.00	-9.70 0.20 0.00	8.52 -0.14 0.00	-0.11 0.00 0.00	14.80 -0.24 0.00	22.84 -0.31 0.00	25.66 -0.32 0.00	16.99 -0.20 0.00	14.46 -0.14 0.00	12.36 -0.05 0.00	19.60 -0.11 0.00	30.94 -0.12 0.00	33.55 -0.02 0.00	34.75 0.10 0.00	23.76 0.13 0.00	16.04 0.09 0.00	16.93 0.07 0.00	3.58 0.00 0.00
LACHUTE____HYDRO 323717	45.44 -1.62 -61.84	43.14 -1.92 -66.49	35.67 -0.21 -38.18	37.79 0.10 -36.73	37.25 -1.07 -49.88	39.13 -1.26 -52.99	35.85 -1.11 -47.66	37.87 -0.98 -48.74	34.69 0.84 -25.19	38.87 0.00 -38.97	38.65 1.69 -21.93	37.33 2.35 -11.83	37.39 2.84 -8.57	36.65 1.64 -17.82	38.47 1.42 -22.45	38.66 1.28 -24.96	37.20 2.19 -15.29	35.93 3.60 -1.27	37.82 4.15 -0.11	38.98 4.17 -0.15	38.13 2.74 -11.77	40.10 2.02 -22.13	36.98 2.08 -18.04	38.48 0.43 -34.47
LAWRNCV_115KV_TB1 80681	-13.89 0.14 -0.74	-20.40 0.22 -0.80	-1.83 0.02 -0.46	1.40 0.01 -0.44	-10.73 0.23 -0.60	-11.70 0.27 -0.64	-9.88 0.24 -0.57	-9.09 0.22 -0.58	8.81 -0.15 -0.30	0.36 0.00 -0.47	14.95 -0.36 -0.26	22.79 -0.50 -0.14	25.56 -0.52 -0.10	17.08 -0.33 -0.21	14.61 -0.27 -0.30	12.51 -0.20 -0.39	19.51 -0.39 -0.18	30.49 -0.59 -0.02	33.00 -0.57 0.00	34.18 -0.48 0.00	23.45 -0.32 -0.14	16.07 -0.14 -0.27	16.90 -0.17 -0.22	3.94 -0.05 -0.41
LEDERLE____ 23769	36.22 -0.83 -51.84	33.11 -1.19 -55.73	29.58 -0.12 -32.01	31.78 0.04 -30.79	29.60 -0.65 -41.81	31.09 -0.72 -44.42	28.60 -0.65 -39.95	30.37 -0.59 -40.86	30.28 0.51 -21.12	32.56 0.00 -32.67	34.35 0.93 -18.38	34.53 1.46 -9.91	34.77 1.62 -7.18	33.25 1.13 -14.94	34.37 0.95 -18.82	34.13 0.79 -20.92	33.85 1.30 -12.82	34.16 2.03 -1.07	35.69 2.03 -0.09	36.87 2.09 -0.13	35.01 1.52 -9.86	35.47 0.97 -18.55	32.98 1.00 -15.12	32.68 0.21 -28.90
LIGHTHSE_115KV_TB6 355974	-10.33 0.35 -4.10	-16.52 0.50 -4.40	0.27 0.05 -2.53	3.35 -0.03 -2.43	-8.01 0.24 -3.30	-8.85 0.26 -3.51	-7.33 0.20 -3.16	-6.50 0.17 -3.23	10.15 -0.17 -1.67	2.47 0.00 -2.58	16.16 -0.33 -1.45	23.44 -0.49 -0.78	25.93 -0.62 -0.57	17.93 -0.44 -1.18	15.70 -0.39 -1.49	13.72 -0.35 -1.65	20.23 -0.50 -1.01	30.41 -0.73 -0.08	32.86 -0.71 -0.01	34.06 -0.61 -0.01	24.09 -0.32 -0.78	17.24 -0.17 -1.46	17.78 -0.27 -1.20	5.81 -0.05 -2.28
LINDEN COGEN____ 23786	37.26 -0.72 -52.77	34.31 -1.00 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.45 -0.55 -42.56	32.01 -0.60 -45.22	29.40 -0.58 -40.67	31.19 -0.51 -41.59	30.62 0.47 -21.50	33.15 0.00 -33.25	34.55 0.80 -18.71	34.50 1.25 -10.09	34.67 1.39 -7.31	33.39 1.00 -15.21	34.58 0.82 -19.16	34.40 0.68 -21.30	33.92 1.15 -13.05	33.95 1.80 -1.09	35.41 1.75 -0.09	36.59 1.81 -0.13	35.01 1.34 -10.04	35.67 0.84 -18.89	33.14 0.88 -15.40	33.18 0.19 -29.41
LINDHRST_69_KV_BK1 356055	36.83 -1.16 -52.77	33.68 -1.63 -56.74	30.12 -0.16 -32.59	32.35 0.06 -31.35	30.17 -0.84 -42.57	31.77 -0.84 -45.22	29.17 -0.81 -40.67	30.96 -0.74 -41.59	30.78 0.63 -21.50	33.16 0.00 -33.26	35.16 1.41 -18.71	35.44 2.20 -10.09	35.66 2.37 -7.31	34.02 1.63 -15.21	35.18 1.42 -19.16	34.88 1.16 -21.30	34.65 1.88 -13.05	35.08 2.94 -1.09	36.44 2.77 -0.09	37.83 3.04 -0.13	35.84 2.18 -10.04	36.16 1.33 -18.89	33.66 1.40 -15.40	33.27 0.28 -29.41
LIPA_MISC_IPP 23656	36.85 -1.14 -52.77	33.71 -1.60 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.24 -0.77 -42.57	31.86 -0.75 -45.22	29.24 -0.74 -40.67	31.02 -0.68 -41.59	30.72 0.57 -21.50	33.16 0.00 -33.26	35.08 1.32 -18.71	35.27 2.03 -10.09	35.48 2.19 -7.31	33.89 1.50 -15.21	35.15 1.39 -19.16	34.81 1.09 -21.30	34.55 1.79 -13.05	34.92 2.78 -1.09	36.21 2.55 -0.09	37.66 2.88 -0.13	35.70 2.03 -10.04	36.06 1.22 -18.89	33.58 1.32 -15.40	33.24 0.25 -29.41

LISF__SOLAR 323691	36.82 -1.17 -52.77	33.67 -1.64 -56.74	30.12 -0.16 -32.59	32.36 0.06 -31.35	30.21 -0.79 -42.57	31.84 -0.77 -45.22	29.22 -0.76 -40.67	31.00 -0.70 -41.59	30.73 0.58 -21.50	33.16 0.01 -33.26	35.11 1.36 -18.71	35.32 2.08 -10.09	35.54 2.25 -7.31	33.93 1.53 -15.21	35.18 1.42 -19.16	34.84 1.12 -21.30	34.60 1.83 -13.05	35.00 2.86 -1.09	36.29 2.63 -0.09	37.74 2.96 -0.13	35.76 2.09 -10.04	36.09 1.26 -18.89	33.62 1.36 -15.40	33.25 0.25 -29.41
LITTLE FALLS__HYD 24013	-15.77 -0.99 0.00	-22.15 -0.73 0.00	-2.39 -0.08 0.00	0.97 0.03 0.00	-12.04 -0.48 0.00	-13.19 -0.58 0.00	-11.19 -0.49 0.00	-10.37 -0.47 0.00	9.02 0.36 0.00	-0.10 0.00 0.00	15.79 0.75 0.00	24.11 0.96 0.00	27.04 1.06 0.00	17.91 0.72 0.00	15.19 0.58 0.00	12.85 0.44 0.00	20.51 0.79 0.00	32.23 1.17 0.00	34.98 1.41 0.00	36.10 1.44 0.00	24.80 1.18 0.00	16.71 0.76 0.00	17.60 0.74 0.00	3.76 0.18 0.00
LITTLRIV_115KV_TB1 356100	-13.99 -0.01 -0.80	-20.54 0.03 -0.85	-1.82 0.00 -0.49	1.44 0.02 -0.47	-10.79 0.13 -0.64	-11.77 0.16 -0.68	-9.94 0.14 -0.61	-9.13 0.14 -0.63	8.90 -0.08 -0.33	0.39 0.00 -0.50	15.02 -0.30 -0.28	22.85 -0.45 -0.15	25.67 -0.41 -0.11	17.17 -0.24 -0.23	14.70 -0.20 -0.29	12.61 -0.12 -0.32	19.69 -0.22 -0.20	30.79 -0.28 -0.02	33.33 -0.23 0.00	34.56 -0.10 0.00	23.73 -0.05 -0.15	16.27 0.03 -0.29	17.09 0.00 -0.23	4.01 -0.01 -0.44
LI_NEWBRDGE__DRP 323616	37.13 -0.86 -52.77	34.11 -1.20 -56.74	30.16 -0.11 -32.59	32.34 0.04 -31.35	30.38 -0.63 -42.57	31.99 -0.63 -45.22	29.37 -0.61 -40.67	31.15 -0.55 -41.59	30.61 0.46 -21.50	33.16 0.01 -33.26	34.79 1.03 -18.71	34.87 1.62 -10.09	35.04 1.76 -7.31	33.61 1.22 -15.21	34.83 1.07 -19.16	34.58 0.86 -21.30	34.18 1.41 -13.05	34.32 2.17 -1.09	35.65 1.99 -0.09	36.99 2.21 -0.13	35.27 1.61 -10.04	35.81 0.97 -18.89	33.28 1.03 -15.40	33.20 0.20 -29.41
LOCKPORT_115KV_TB60_63_64 80432	-7.90 0.66 -6.21	-11.90 0.93 -8.59	2.75 0.08 -4.98	5.57 -0.12 -4.74	-5.03 0.09 -6.44	-5.72 0.05 -6.84	-4.50 0.04 -6.15	-3.61 0.00 -6.29	11.64 -0.27 -3.25	4.83 -0.01 -4.94	12.70 -0.52 1.82	21.75 -1.00 0.41	25.84 -1.24 -1.11	18.66 -0.83 -2.30	16.78 -0.72 -2.90	14.91 -0.73 -3.22	20.42 -1.28 -1.98	29.42 -1.81 -0.16	31.55 -2.03 -0.01	32.60 -2.07 -0.02	23.53 -1.61 -1.52	17.68 -1.13 -2.86	18.16 -1.03 -2.33	7.83 -0.20 -4.45
LOCKPORT__CC1 323769	-7.93 0.69 -6.16	-11.79 0.98 -8.66	2.79 0.09 -5.02	5.61 -0.12 -4.78	-4.95 0.11 -6.49	-5.64 0.07 -6.90	-4.44 0.05 -6.21	-3.54 0.02 -6.35	11.65 -0.28 -3.28	4.86 -0.01 -4.98	12.38 -0.54 2.12	21.62 -1.01 0.53	25.86 -1.23 -1.12	18.69 -0.82 -2.32	16.82 -0.71 -2.92	14.95 -0.71 -3.25	20.45 -1.26 -1.99	29.39 -1.84 -0.17	31.55 -2.03 -0.01	32.60 -2.07 -0.02	23.55 -1.61 -1.53	17.72 -1.11 -2.88	18.16 -1.05 -2.35	7.87 -0.20 -4.49
LOCKPORT__CC2 323770	-7.93 0.69 -6.16	-11.79 0.98 -8.66	2.79 0.09 -5.02	5.61 -0.12 -4.78	-4.95 0.11 -6.49	-5.64 0.07 -6.90	-4.44 0.05 -6.21	-3.54 0.02 -6.35	11.65 -0.28 -3.28	4.86 -0.01 -4.98	12.38 -0.54 2.12	21.62 -1.01 0.53	25.86 -1.23 -1.12	18.69 -0.82 -2.32	16.82 -0.71 -2.92	14.95 -0.71 -3.25	20.45 -1.26 -1.99	29.39 -1.84 -0.17	31.55 -2.03 -0.01	32.60 -2.07 -0.02	23.55 -1.61 -1.53	17.72 -1.11 -2.88	18.16 -1.05 -2.35	7.87 -0.20 -4.49
LOCKPORT__CC3 323771	-7.93 0.69 -6.16	-11.79 0.98 -8.66	2.79 0.09 -5.02	5.61 -0.12 -4.78	-4.95 0.11 -6.49	-5.64 0.07 -6.90	-4.44 0.05 -6.21	-3.54 0.02 -6.35	11.65 -0.28 -3.28	4.86 -0.01 -4.98	12.38 -0.54 2.12	21.62 -1.01 0.53	25.86 -1.23 -1.12	18.69 -0.82 -2.32	16.82 -0.71 -2.92	14.95 -0.71 -3.25	20.45 -1.26 -1.99	29.39 -1.84 -0.17	31.55 -2.03 -0.01	32.60 -2.07 -0.02	23.55 -1.61 -1.53	17.72 -1.11 -2.88	18.16 -1.05 -2.35	7.87 -0.20 -4.49
LOCUSVLY_69_KV_BK2 55797	37.04 -0.95 -52.77	33.96 -1.35 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.29 -0.72 -42.57	31.88 -0.74 -45.22	29.27 -0.70 -40.67	31.06 -0.63 -41.59	30.69 0.54 -21.50	33.16 0.00 -33.26	34.91 1.16 -18.71	35.04 1.80 -10.09	35.25 1.96 -7.31	33.75 1.36 -15.21	34.93 1.17 -19.16	34.67 0.96 -21.30	34.33 1.56 -13.05	34.55 2.41 -1.09	35.93 2.27 -0.09	37.26 2.48 -0.13	35.46 1.80 -10.04	35.94 1.10 -18.89	33.41 1.16 -15.40	33.23 0.23 -29.41
LONG_LAKE_PHOENIX 24014	-9.93 0.38 -4.46	-16.07 0.56 -4.80	0.50 0.06 -2.75	3.56 -0.03 -2.65	-7.70 0.26 -3.60	-8.51 0.28 -3.82	-7.03 0.23 -3.44	-6.18 0.20 -3.52	10.27 -0.20 -1.82	2.70 0.00 -2.81	16.27 -0.35 -1.58	23.46 -0.54 -0.85	25.95 -0.64 -0.62	18.04 -0.43 -1.29	15.85 -0.38 -1.62	13.89 -0.32 -1.80	20.29 -0.53 -1.10	30.37 -0.78 -0.09	32.70 -0.87 -0.01	33.80 -0.86 -0.01	23.93 -0.55 -0.85	17.17 -0.37 -1.60	17.74 -0.42 -1.30	5.98 -0.09 -2.49
LOVETT__3 23632	36.51 -0.73 -52.02	33.45 -1.05 -55.93	29.70 -0.11 -32.12	31.88 0.03 -30.90	29.82 -0.58 -41.96	31.34 -0.63 -44.58	28.82 -0.58 -40.09	30.58 -0.52 -41.00	30.29 0.45 -21.19	32.68 0.00 -32.78	34.31 0.82 -18.45	34.40 1.30 -9.95	34.62 1.43 -7.21	33.19 1.01 -14.99	34.33 0.84 -18.89	34.12 0.70 -21.00	33.75 1.16 -12.87	33.94 1.81 -1.07	35.43 1.78 -0.09	36.60 1.82 -0.13	34.87 1.34 -9.90	35.42 0.85 -18.62	32.92 0.88 -15.17	32.76 0.19 -29.00
LOVETT__4 23642	36.51 -0.73 -52.02	33.45 -1.05 -55.93	29.70 -0.11 -32.12	31.88 0.03 -30.90	29.82 -0.58 -41.96	31.34 -0.63 -44.58	28.82 -0.58 -40.09	30.58 -0.52 -41.00	30.29 0.45 -21.19	32.68 0.00 -32.78	34.31 0.82 -18.45	34.40 1.30 -9.95	34.62 1.43 -7.21	33.19 1.01 -14.99	34.33 0.84 -18.89	34.12 0.70 -21.00	33.75 1.16 -12.87	33.94 1.81 -1.07	35.43 1.78 -0.09	36.60 1.82 -0.13	34.87 1.34 -9.90	35.42 0.85 -18.62	32.92 0.88 -15.17	32.76 0.19 -29.00
LOVETT__5 23593	36.51 -0.73 -52.02	33.45 -1.05 -55.93	29.70 -0.11 -32.12	31.88 0.03 -30.90	29.82 -0.58 -41.96	31.34 -0.63 -44.58	28.82 -0.58 -40.09	30.58 -0.52 -41.00	30.29 0.45 -21.19	32.68 0.00 -32.78	34.31 0.82 -18.45	34.40 1.30 -9.95	34.62 1.43 -7.21	33.19 1.01 -14.99	34.33 0.84 -18.89	34.12 0.70 -21.00	33.75 1.16 -12.87	33.94 1.81 -1.07	35.43 1.78 -0.09	36.60 1.82 -0.13	34.87 1.34 -9.90	35.42 0.85 -18.62	32.92 0.88 -15.17	32.76 0.19 -29.00
LOWER RAQUET__HYD 24057	-13.74 0.19 -0.85	-20.22 0.29 -0.91	-1.76 0.03 -0.52	1.46 0.01 -0.50	-10.61 0.27 -0.68	-11.56 0.32 -0.72	-9.77 0.27 -0.65	-8.97 0.26 -0.67	8.82 -0.18 -0.34	0.42 -0.01 -0.53	14.92 -0.42 -0.30	22.73 -0.59 -0.16	25.47 -0.62 -0.12	17.04 -0.39 -0.24	14.59 -0.32 -0.31	12.50 -0.25 -0.34	19.46 -0.47 -0.21	30.37 -0.71 -0.02	32.89 -0.68 0.00	34.08 -0.58 0.00	23.41 -0.38 -0.16	16.09 -0.16 -0.30	16.90 -0.21 -0.25	3.99 -0.05 -0.47
LOWER__HUDSON 24059	45.69 -0.56 -61.03	43.43 -0.75 -65.61	35.29 -0.08 -37.68	37.23 0.03 -36.25	37.22 -0.44 -49.23	39.20 -0.49 -52.30	35.92 -0.42 -47.04	37.82 -0.38 -48.10	33.82 0.31 -24.86	38.36 0.00 -38.46	37.25 0.56 -21.64	35.68 0.85 -11.67	35.39 0.96 -8.45	35.38 0.60 -17.59	37.28 0.52 -22.15	37.49 0.44 -24.63	35.53 0.72 -15.09	33.45 1.14 -1.26	34.92 1.25 -0.11	36.02 1.22 -0.15	36.13 0.89 -11.61	38.41 0.62 -21.84	35.34 0.68 -17.81	37.74 0.15 -34.02

LOWVILLE_115KV_TB2 356335	-11.92 0.52 -2.33	-18.16 0.76 -2.51	-0.79 0.08 -1.44	2.30 -0.04 -1.39	-9.22 0.46 -1.88	-10.09 0.52 -2.00	-8.49 0.41 -1.80	-7.70 0.36 -1.84	9.32 -0.28 -0.95	1.36 -0.01 -1.47	15.27 -0.60 -0.83	22.75 -0.85 -0.45	25.24 -1.07 -0.32	17.11 -0.75 -0.67	14.78 -0.67 -0.85	12.82 -0.54 -0.94	19.54 -0.75 -0.58	30.12 -0.98 -0.05	32.79 -0.78 0.00	34.16 -0.50 -0.01	23.84 -0.23 -0.44	16.76 -0.02 -0.84	17.33 -0.21 -0.68	4.86 -0.02 -1.30
LUTHERFT_115KV_GLOB_FND_222 355753	46.25 -0.75 -61.78	43.98 -1.03 -66.42	35.73 -0.11 -38.15	37.69 0.04 -36.70	37.69 -0.58 -49.83	39.68 -0.65 -52.94	36.36 -0.56 -47.62	38.28 -0.52 -48.70	34.26 0.44 -25.17	38.83 0.00 -38.94	37.75 0.80 -21.91	36.17 1.20 -11.82	35.86 1.32 -8.56	35.83 0.83 -17.80	37.74 0.71 -22.43	37.98 0.62 -24.94	36.03 1.03 -15.28	34.00 1.67 -1.27	35.54 1.86 -0.11	36.68 1.88 -0.15	36.67 1.29 -11.76	38.95 0.89 -22.11	35.82 0.93 -18.03	38.21 0.20 -34.44
LUTHERNY_35_KV_BK2 355980	46.24 -0.76 -61.78	43.96 -1.04 -66.42	35.72 -0.11 -38.15	37.69 0.05 -36.70	37.68 -0.59 -49.83	39.67 -0.66 -52.94	36.35 -0.57 -47.62	38.26 -0.54 -48.70	34.27 0.45 -25.17	38.83 0.00 -38.94	37.77 0.82 -21.91	36.19 1.22 -11.82	35.89 1.36 -8.56	35.86 0.86 -17.80	37.77 0.73 -22.43	38.00 0.64 -24.94	36.05 1.06 -15.28	34.03 1.70 -1.27	35.58 1.91 -0.11	36.73 1.93 -0.15	36.71 1.33 -11.76	38.97 0.91 -22.11	35.84 0.95 -18.03	38.22 0.20 -34.44
LWR__OSWEGATCHIE_HYD 23850	-12.72 0.44 -1.62	-19.05 0.63 -1.75	-1.25 0.06 -1.00	1.89 -0.02 -0.96	-9.83 0.42 -1.31	-10.73 0.49 -1.39	-9.04 0.40 -1.25	-8.26 0.36 -1.28	9.04 -0.27 -0.66	0.91 0.00 -1.02	15.03 -0.59 -0.57	22.62 -0.84 -0.31	25.23 -0.97 -0.22	16.99 -0.67 -0.47	14.62 -0.57 -0.59	12.60 -0.47 -0.65	19.39 -0.73 -0.40	30.07 -1.03 -0.03	32.63 -0.94 0.00	33.94 -0.72 0.00	23.50 -0.43 -0.31	16.35 -0.18 -0.58	17.03 -0.30 -0.47	4.42 -0.06 -0.91
LYONS_FALL_HYD 23570	-12.23 0.23 -2.32	-18.59 0.35 -2.49	-0.85 0.03 -1.43	2.30 -0.02 -1.38	-9.48 0.21 -1.87	-10.38 0.25 -1.99	-8.73 0.18 -1.79	-7.92 0.15 -1.83	9.48 -0.11 -0.94	1.35 -0.01 -1.46	15.60 -0.26 -0.82	23.23 -0.36 -0.44	25.82 -0.48 -0.32	17.50 -0.35 -0.67	15.12 -0.32 -0.84	13.09 -0.26 -0.94	19.98 -0.31 -0.57	30.78 -0.33 -0.05	33.42 -0.15 0.00	34.70 0.04 -0.01	24.19 0.12 -0.44	16.94 0.17 -0.83	17.56 0.03 -0.67	4.89 0.02 -1.29
MADISON__COUNTY_LFGE 323628	-11.58 -0.21 -3.40	-18.06 -0.30 -3.66	-0.24 -0.03 -2.10	2.97 0.01 -2.02	-8.99 -0.17 -2.74	-9.89 -0.20 -2.92	-8.26 -0.19 -2.62	-7.41 -0.19 -2.68	10.20 0.16 -1.39	2.03 -0.01 -2.14	16.50 0.26 -1.21	24.16 0.36 -0.65	26.84 0.39 -0.47	18.40 0.23 -0.98	16.02 0.18 -1.24	13.95 0.16 -1.37	20.91 0.35 -0.84	31.74 0.61 -0.07	34.32 0.75 -0.01	35.48 0.82 -0.01	24.88 0.61 -0.65	17.57 0.41 -1.22	18.22 0.37 -0.99	5.55 0.08 -1.90
MALONE__115KV_TB1 356076	-14.81 -0.03 0.00	-21.40 0.02 0.00	-2.31 0.00 0.00	0.97 0.03 0.00	-11.37 0.19 0.00	-12.33 0.28 0.00	-10.44 0.25 0.00	-9.66 0.24 0.00	8.50 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.80 -0.36 0.00	25.61 -0.36 0.00	16.96 -0.22 0.00	14.44 -0.16 0.00	12.32 -0.10 0.00	19.52 -0.20 0.00	30.77 -0.29 0.00	33.37 -0.19 0.00	34.59 -0.07 0.00	23.62 -0.01 0.00	15.96 0.01 0.00	16.84 -0.02 0.00	3.56 -0.01 0.00
MAPLEWOD_115KV_TB3 80458	45.24 -0.51 -60.52	42.93 -0.71 -65.07	34.98 -0.08 -37.37	36.93 0.03 -35.95	36.83 -0.44 -48.82	38.79 -0.47 -51.86	35.55 -0.40 -46.65	37.44 -0.37 -47.70	33.59 0.28 -24.65	38.04 0.00 -38.14	37.03 0.52 -21.46	35.53 0.80 -11.58	35.26 0.90 -8.38	35.20 0.56 -17.44	37.07 0.49 -21.97	37.26 0.41 -24.43	35.35 0.66 -14.97	33.34 1.04 -1.25	34.82 1.15 -0.11	35.90 1.10 -0.15	35.95 0.81 -11.52	38.17 0.57 -21.66	35.15 0.63 -17.66	37.46 0.15 -33.73
MAPLE_RIDGE_WT_1 323574	-14.41 0.36 0.00	-20.90 0.52 0.00	-2.26 0.06 0.00	0.91 -0.03 0.00	-11.26 0.30 0.00	-12.27 0.34 0.00	-10.41 0.29 0.00	-9.62 0.27 0.00	8.43 -0.23 0.00	-0.10 0.00 0.00	14.64 -0.40 0.00	22.56 -0.59 0.00	25.33 -0.65 0.00	16.76 -0.43 0.00	14.24 -0.37 0.00	12.12 -0.30 0.00	19.28 -0.44 0.00	30.42 -0.64 0.00	32.91 -0.65 0.00	34.03 -0.62 0.00	23.25 -0.37 0.00	15.72 -0.22 0.00	16.62 -0.24 0.00	3.53 -0.05 0.00
MAPLE_RIDGE_WT_2 323611	-14.41 0.36 0.00	-20.90 0.52 0.00	-2.26 0.06 0.00	0.91 -0.03 0.00	-11.26 0.30 0.00	-12.27 0.34 0.00	-10.41 0.29 0.00	-9.62 0.27 0.00	8.43 -0.23 0.00	-0.10 0.00 0.00	14.64 -0.40 0.00	22.56 -0.59 0.00	25.33 -0.65 0.00	16.76 -0.43 0.00	14.24 -0.37 0.00	12.12 -0.30 0.00	19.28 -0.44 0.00	30.42 -0.64 0.00	32.91 -0.65 0.00	34.03 -0.62 0.00	23.25 -0.37 0.00	15.72 -0.22 0.00	16.62 -0.24 0.00	3.53 -0.05 0.00
MARBLE_RIVER_WT_PWR 323696	-14.75 0.03 0.00	-21.31 0.11 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.32 0.24 0.00	-12.28 0.33 0.00	-10.39 0.31 0.00	-9.60 0.30 0.00	8.43 -0.22 0.00	-0.11 0.00 0.00	14.67 -0.37 0.00	22.65 -0.51 0.00	25.45 -0.52 0.00	16.86 -0.33 0.00	14.36 -0.24 0.00	12.26 -0.15 0.00	19.41 -0.30 0.00	30.61 -0.45 0.00	33.19 -0.37 0.00	34.39 -0.26 0.00	23.48 -0.15 0.00	15.85 -0.10 0.00	16.75 -0.11 0.00	3.55 -0.03 0.00
MARSHVLE_115KV_TB1 80742	53.43 -0.41 -68.62	51.72 -0.63 -73.78	40.01 -0.05 -42.37	41.73 0.02 -40.76	43.50 -0.29 -55.35	45.86 -0.34 -58.81	41.91 -0.29 -52.89	43.90 -0.28 -54.09	36.87 0.26 -27.95	43.14 0.00 -43.25	39.82 0.44 -24.33	36.86 0.58 -13.13	36.06 0.58 -9.50	37.35 0.39 -19.78	39.88 0.36 -24.91	40.38 0.26 -27.70	37.06 0.37 -16.97	33.28 0.81 -1.41	34.68 0.99 -0.12	35.97 1.14 -0.17	37.49 0.80 -13.06	41.02 0.51 -24.56	37.43 0.55 -20.02	41.94 0.11 -38.25
MARSH_HILL_WT_PWR 323713	3.68 1.25 -17.21	-8.12 1.73 -11.58	4.94 0.20 -7.05	7.24 -0.10 -6.40	-2.17 0.70 -8.69	-2.73 0.65 -9.23	-1.91 0.49 -8.30	-1.01 0.39 -8.49	12.53 -0.51 -4.39	7.01 0.01 -7.11	34.93 -0.79 -20.68	30.99 -1.24 -9.08	25.88 -1.59 -1.49	19.27 -1.02 -3.10	17.87 -0.64 -3.91	16.20 -0.56 -4.35	21.74 -0.64 -2.66	30.59 -0.69 -0.22	32.97 -0.62 -0.02	34.03 -0.65 -0.03	25.01 -0.66 -2.05	19.26 -0.54 -3.85	19.48 -0.52 -3.14	9.47 -0.11 -6.00
MCINTYRE_115KV_TB2 80467	-14.96 -0.18 0.00	-21.64 -0.22 0.00	-2.34 -0.03 0.00	0.98 0.03 0.00	-11.56 0.00 0.00	-12.60 0.01 0.00	-10.68 0.01 0.00	-9.86 0.04 0.00	8.67 0.01 0.00	-0.11 -0.01 0.00	14.85 -0.19 0.00	22.86 -0.29 0.00	25.77 -0.21 0.00	17.09 -0.09 0.00	14.53 -0.07 0.00	12.42 0.00 0.00	19.73 0.01 0.00	31.16 0.10 0.00	33.75 0.18 0.00	34.99 0.33 0.00	23.86 0.23 0.00	16.15 0.21 0.00	17.04 0.19 0.00	3.60 0.02 0.00
MECO____69_KV_BK1 80468	50.55 -0.72 -66.05	48.54 -1.05 -71.01	38.37 -0.10 -40.78	40.22 0.04 -39.24	41.17 -0.54 -53.28	43.38 -0.61 -56.60	39.68 -0.53 -50.91	41.65 -0.51 -52.06	36.03 0.47 -26.91	41.51 -0.01 -41.63	39.31 0.85 -23.42	36.96 1.17 -12.64	36.32 1.20 -9.15	37.00 0.78 -19.04	39.28 0.70 -23.98	39.67 0.59 -26.66	36.99 0.94 -16.34	34.10 1.68 -1.36	35.63 1.95 -0.12	36.90 2.08 -0.16	37.64 1.44 -12.57	40.52 0.93 -23.64	37.09 0.95 -19.27	40.59 0.19 -36.82

MENANDS__115KV_TB5 355628	45.19 -0.45 -60.42	42.90 -0.63 -64.96	34.92 -0.07 -37.31	36.87 0.03 -35.89	36.78 -0.40 -48.74	38.74 -0.43 -51.78	35.51 -0.36 -46.57	37.39 -0.33 -47.62	33.51 0.24 -24.61	37.98 0.00 -38.08	36.91 0.44 -21.43	35.40 0.69 -11.56	35.12 0.78 -8.37	35.09 0.49 -17.41	36.96 0.42 -21.94	37.16 0.35 -24.39	35.23 0.57 -14.95	33.18 0.88 -1.24	34.64 0.97 -0.11	35.71 0.90 -0.15	35.80 0.68 -11.49	38.05 0.48 -21.63	35.04 0.55 -17.63	37.39 0.13 -33.68
MG INDUSTRY__DRP 24185	44.18 -0.45 -59.41	41.79 -0.66 -63.88	34.30 -0.07 -36.69	36.27 0.03 -35.29	35.96 -0.40 -47.92	37.87 -0.44 -50.91	34.73 -0.37 -45.79	36.59 -0.34 -46.83	33.11 0.25 -24.20	37.34 0.00 -37.44	36.56 0.45 -21.07	35.21 0.69 -11.36	34.95 0.75 -8.23	34.79 0.48 -17.12	36.58 0.41 -21.57	36.75 0.35 -23.98	34.97 0.56 -14.69	33.19 0.90 -1.22	34.63 0.95 -0.10	35.73 0.93 -0.14	35.63 0.69 -11.31	37.69 0.48 -21.27	34.73 0.53 -17.33	36.82 0.12 -33.12
MID__OSWEGATCHIE_HYD 23849	-12.72 0.44 -1.62	-19.05 0.63 -1.75	-1.25 0.06 -1.00	1.89 -0.02 -0.96	-9.83 0.42 -1.31	-10.73 0.49 -1.39	-9.04 0.40 -1.25	-8.26 0.36 -1.28	9.04 -0.27 -0.66	0.91 0.00 -1.02	15.03 -0.59 -0.57	22.62 -0.84 -0.31	25.23 -0.97 -0.22	16.99 -0.67 -0.47	14.62 -0.57 -0.59	12.60 -0.47 -0.65	19.39 -0.73 -0.40	30.07 -1.03 -0.03	32.63 -0.94 0.00	33.94 -0.72 0.00	23.50 -0.43 -0.31	16.35 -0.18 -0.58	17.03 -0.30 -0.47	4.42 -0.06 -0.91
MID__RAQUETTE_HYD 23851	-13.74 0.18 -0.85	-20.22 0.29 -0.91	-1.76 0.03 -0.52	1.46 0.01 -0.50	-10.61 0.27 -0.68	-11.56 0.32 -0.72	-9.77 0.27 -0.65	-8.97 0.26 -0.67	8.82 -0.18 -0.34	0.42 0.00 -0.53	14.92 -0.42 -0.30	22.73 -0.59 -0.16	25.47 -0.62 -0.12	17.04 -0.39 -0.24	14.59 -0.32 -0.31	12.50 -0.25 -0.34	19.46 -0.47 -0.21	30.37 -0.71 -0.02	32.89 -0.68 0.00	34.08 -0.58 0.00	23.41 -0.38 -0.16	16.08 -0.16 -0.30	16.89 -0.21 -0.25	3.99 -0.05 -0.47
MILLIKEN__1 23584	-3.32 -0.13 -11.59	-9.71 -0.19 -11.91	4.52 -0.01 -6.84	7.53 0.00 -6.58	-2.78 -0.16 -8.93	-3.32 -0.20 -9.49	-2.32 -0.17 -8.54	-1.36 -0.19 -8.73	13.29 0.12 -4.51	6.90 0.00 -7.01	20.52 0.21 -5.27	26.06 0.22 -2.68	27.73 0.21 -1.53	20.48 0.10 -3.19	18.66 0.04 -4.02	16.96 0.07 -4.47	22.60 0.14 -2.74	31.64 0.35 -0.23	34.04 0.46 -0.02	35.22 0.54 -0.03	26.11 0.38 -2.11	20.15 0.24 -3.97	20.27 0.18 -3.23	9.79 0.04 -6.18
MILLIKEN__2 23585	-3.32 -0.13 -11.59	-9.71 -0.19 -11.91	4.52 -0.01 -6.84	7.53 0.00 -6.58	-2.78 -0.16 -8.93	-3.32 -0.20 -9.49	-2.32 -0.17 -8.54	-1.36 -0.19 -8.73	13.29 0.12 -4.51	6.90 0.00 -7.01	20.52 0.21 -5.27	26.06 0.22 -2.68	27.73 0.21 -1.53	20.48 0.10 -3.19	18.66 0.04 -4.02	16.96 0.07 -4.47	22.60 0.14 -2.74	31.64 0.35 -0.23	34.04 0.46 -0.02	35.22 0.54 -0.03	26.11 0.38 -2.11	20.15 0.24 -3.97	20.27 0.18 -3.23	9.79 0.04 -6.18
MILLIKEN__DIESEL 23629	-3.32 -0.13 -11.59	-9.71 -0.19 -11.91	4.52 -0.01 -6.84	7.53 0.00 -6.58	-2.78 -0.16 -8.93	-3.32 -0.20 -9.49	-2.32 -0.17 -8.54	-1.36 -0.19 -8.73	13.29 0.12 -4.51	6.90 0.00 -7.01	20.52 0.21 -5.27	26.06 0.22 -2.68	27.73 0.21 -1.53	20.48 0.10 -3.19	18.66 0.04 -4.02	16.96 0.07 -4.47	22.60 0.14 -2.74	31.64 0.35 -0.23	34.04 0.46 -0.02	35.22 0.54 -0.03	26.11 0.38 -2.11	20.15 0.24 -3.97	20.27 0.18 -3.23	9.79 0.04 -6.18
MILLSEAT__LFGE 323607	-8.16 0.39 -6.22	-12.59 0.57 -8.27	2.53 0.05 -4.80	5.42 -0.10 -4.57	-5.41 -0.06 -6.20	-6.14 -0.12 -6.59	-4.88 -0.11 -5.93	-3.97 -0.14 -6.06	11.64 -0.15 -3.13	4.66 -0.01 -4.77	13.63 -0.29 1.12	22.34 -0.68 0.13	26.11 -0.93 -1.07	18.81 -0.59 -2.22	16.84 -0.55 -2.79	14.96 -0.56 -3.11	20.61 -1.00 -1.90	29.91 -1.31 -0.16	32.29 -1.29 -0.01	33.43 -1.24 -0.02	24.10 -0.99 -1.46	18.00 -0.70 -2.75	18.44 -0.66 -2.24	7.74 -0.12 -4.29
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	37.11 -0.75 -52.63	34.10 -1.07 -56.59	30.08 -0.11 -32.50	32.25 0.04 -31.27	30.32 -0.58 -42.46	31.86 -0.63 -45.10	29.29 -0.59 -40.57	31.07 -0.52 -41.49	30.56 0.46 -21.44	33.07 0.00 -33.17	34.56 0.85 -18.67	34.56 1.34 -10.07	34.74 1.48 -7.29	33.39 1.03 -15.17	34.57 0.86 -19.11	34.38 0.72 -21.25	33.93 1.20 -13.02	34.00 1.86 -1.08	35.50 1.84 -0.09	36.66 1.88 -0.13	35.02 1.38 -10.01	35.66 0.88 -18.84	33.13 0.91 -15.36	33.11 0.19 -29.34
MILLWOOD_13_KV_LOAD 356217	37.08 -0.77 -52.63	34.07 -1.10 -56.59	30.08 -0.11 -32.50	32.25 0.04 -31.27	30.30 -0.60 -42.46	31.84 -0.66 -45.10	29.27 -0.60 -40.57	31.05 -0.54 -41.49	30.57 0.48 -21.44	33.07 0.00 -33.17	34.59 0.88 -18.67	34.60 1.38 -10.07	34.79 1.52 -7.29	33.42 1.06 -15.17	34.60 0.88 -19.11	34.41 0.74 -21.25	33.97 1.23 -13.02	34.06 1.92 -1.08	35.56 1.90 -0.09	36.73 1.94 -0.13	35.07 1.42 -10.01	35.69 0.91 -18.84	33.15 0.94 -15.36	33.12 0.20 -29.34
MODEL_CITY_ENERGY 24167	-7.75 0.76 -6.26	-11.60 1.08 -8.75	2.86 0.10 -5.07	5.64 -0.13 -4.83	-4.84 0.16 -6.56	-5.52 0.12 -6.97	-4.32 0.10 -6.27	-3.43 0.06 -6.41	11.63 -0.34 -3.31	4.92 -0.01 -5.03	12.38 -0.62 2.04	21.52 -1.14 0.50	25.68 -1.42 -1.13	18.59 -0.94 -2.34	16.71 -0.84 -2.95	14.86 -0.84 -3.28	20.29 -1.44 -2.01	29.09 -2.14 -0.17	31.21 -2.37 -0.01	32.25 -2.42 -0.02	23.30 -1.88 -1.55	17.54 -1.32 -2.91	17.99 -1.24 -2.37	7.88 -0.23 -4.53
MODERN_LFGE__ 323580	-7.75 0.76 -6.26	-11.60 1.08 -8.75	2.86 0.10 -5.07	5.64 -0.13 -4.83	-4.84 0.16 -6.56	-5.52 0.12 -6.97	-4.32 0.10 -6.27	-3.43 0.06 -6.41	11.63 -0.34 -3.31	4.92 -0.01 -5.03	12.38 -0.62 2.04	21.52 -1.14 0.50	25.68 -1.42 -1.13	18.59 -0.94 -2.34	16.71 -0.84 -2.95	14.86 -0.84 -3.28	20.29 -1.44 -2.01	29.09 -2.14 -0.17	31.21 -2.37 -0.01	32.25 -2.42 -0.02	23.30 -1.88 -1.55	17.54 -1.32 -2.91	17.99 -1.24 -2.37	7.88 -0.23 -4.53
MOHAWK_PAPER__DRP 24187	45.24 -0.51 -60.52	42.93 -0.71 -65.07	34.98 -0.08 -37.37	36.93 0.03 -35.95	36.83 -0.44 -48.82	38.79 -0.47 -51.86	35.55 -0.40 -46.65	37.44 -0.37 -47.70	33.59 0.28 -24.65	38.04 0.00 -38.14	37.03 0.52 -21.46	35.53 0.80 -11.58	35.26 0.90 -8.38	35.20 0.56 -17.44	37.07 0.49 -21.97	37.26 0.41 -24.43	35.35 0.66 -14.97	33.34 1.04 -1.25	34.82 1.15 -0.11	35.90 1.10 -0.15	35.95 0.81 -11.52	38.17 0.57 -21.66	35.15 0.63 -17.66	37.46 0.15 -33.73
MOHICAN__35_KV_115KV_LD 80490	46.02 -1.02 -61.82	43.71 -1.33 -66.46	35.72 -0.14 -38.17	37.74 0.07 -36.72	37.57 -0.74 -49.86	39.53 -0.84 -52.97	36.22 -0.73 -47.65	38.15 -0.67 -48.72	34.41 0.58 -25.18	38.85 0.00 -38.96	38.03 1.07 -21.92	36.53 1.56 -11.83	36.27 1.74 -8.56	36.06 1.06 -17.82	37.94 0.90 -22.44	38.17 0.80 -24.96	36.40 1.39 -15.29	34.62 2.29 -1.27	36.30 2.62 -0.11	37.46 2.65 -0.15	37.14 1.75 -11.76	39.33 1.25 -22.13	36.18 1.28 -18.04	38.31 0.27 -34.46
MONGAUP__HYD 23641	34.76 -0.78 -50.33	31.56 -1.13 -54.11	28.65 -0.11 -31.08	30.88 0.04 -29.90	28.43 -0.61 -40.60	29.85 -0.67 -43.13	27.49 -0.60 -38.79	29.22 -0.55 -39.67	29.63 0.48 -20.50	31.62 0.00 -31.72	33.76 0.87 -17.85	34.04 1.26 -9.63	34.33 1.38 -6.97	32.62 0.93 -14.50	33.69 0.81 -18.27	33.39 0.65 -20.32	33.26 1.09 -12.45	33.91 1.82 -1.04	35.58 1.93 -0.09	36.85 2.06 -0.12	34.70 1.50 -9.58	34.92 0.96 -18.01	32.58 1.03 -14.68	31.83 0.20 -28.05

MONTAUK___DIESEL 23721	36.55 -1.44 -52.77	33.26 -2.05 -56.74	30.09 -0.18 -32.59	32.40 0.10 -31.35	30.36 -0.65 -42.57	32.11 -0.51 -45.22	29.42 -0.55 -40.67	31.18 -0.52 -41.59	30.60 0.45 -21.50	33.16 0.01 -33.26	34.98 1.23 -18.71	35.12 1.87 -10.09	35.32 2.04 -7.31	33.79 1.39 -15.21	35.05 1.29 -19.16	34.73 1.01 -21.30	34.45 1.68 -13.05	34.77 2.62 -1.09	36.04 2.38 -0.09	37.46 2.68 -0.13	35.56 1.89 -10.04	35.91 1.07 -18.89	33.44 1.18 -15.40	33.24 0.25 -29.41
MOONROAD_115KV_HARTFLD_TB1-2 355988	-6.15 1.26 -7.37	-9.70 1.72 -10.00	3.67 0.18 -5.80	6.39 -0.09 -5.53	-3.59 0.46 -7.51	-4.24 0.40 -7.97	-3.19 0.33 -7.17	-2.36 0.21 -7.33	12.09 -0.35 -3.79	5.65 0.00 -5.76	12.72 -0.54 1.78	21.99 -0.83 0.34	26.28 -0.98 -1.29	19.15 -0.72 -2.68	17.42 -0.55 -3.37	15.76 -0.40 -3.76	21.44 -0.58 -2.30	30.41 -0.84 -0.19	32.61 -0.98 -0.02	33.98 -0.70 -0.02	24.72 -0.68 -1.77	18.66 -0.62 -3.33	18.86 -0.71 -2.72	8.63 -0.14 -5.19
MORRIS_RIDGE___SOLAR 323848	-13.30 1.01 -0.47	-8.98 1.42 -11.03	3.23 0.16 -5.39	6.94 -0.09 -6.09	-2.80 0.48 -8.27	-3.40 0.43 -8.79	-2.46 0.33 -7.90	-1.55 0.27 -8.08	12.40 -0.43 -4.18	5.87 0.00 -5.97	-7.70 -0.78 21.95	13.18 -1.28 8.70	25.88 -1.52 -1.42	19.12 -1.02 -2.95	17.59 -0.74 -3.72	15.89 -0.66 -4.14	21.36 -0.89 -2.54	30.15 -1.12 -0.21	32.49 -1.09 -0.02	33.60 -1.08 -0.02	24.66 -0.92 -1.95	18.95 -0.67 -3.67	19.20 -0.65 -2.99	9.18 -0.12 -5.72
MORTIMER_115KV_TB3 55949	-8.03 0.27 -6.47	-14.08 0.39 -6.96	1.77 0.03 -4.05	4.74 -0.05 -3.84	-6.34 -0.01 -5.22	-7.11 -0.04 -5.54	-5.75 -0.04 -4.99	-4.86 -0.06 -5.10	11.21 -0.08 -2.64	3.96 -0.01 -4.08	17.17 -0.16 -2.29	24.03 -0.36 -1.24	26.43 -0.44 -0.90	18.77 -0.28 -1.86	16.72 -0.23 -2.35	14.79 -0.23 -2.61	20.87 -0.44 -1.60	30.67 -0.53 -0.13	33.00 -0.58 -0.01	34.09 -0.58 -0.02	24.41 -0.45 -1.23	17.96 -0.30 -2.31	18.44 -0.30 -1.89	7.12 -0.06 -3.61
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	37.22 -0.77 -52.77	34.21 -1.10 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.40 -0.61 -42.56	31.95 -0.66 -45.22	29.36 -0.62 -40.67	31.14 -0.55 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.63 0.88 -18.71	34.63 1.38 -10.09	34.81 1.52 -7.31	33.48 1.08 -15.21	34.66 0.89 -19.16	34.46 0.75 -21.30	34.01 1.25 -13.05	34.08 1.94 -1.09	35.57 1.91 -0.09	36.75 1.97 -0.13	35.11 1.44 -10.04	35.75 0.91 -18.89	33.22 0.96 -15.40	33.19 0.20 -29.41
MUNSVILLE_WIND_PWR 323609	2.49 -0.39 -17.65	-3.28 -0.44 -18.58	8.35 0.02 -10.64	11.19 -0.03 -10.27	2.16 -0.22 -13.94	1.94 -0.26 -14.81	2.42 -0.21 -13.32	3.28 -0.45 -13.62	15.95 0.26 -7.04	10.80 -0.01 -10.91	22.54 0.40 -7.10	27.29 0.42 -3.71	28.66 0.30 -2.39	22.44 0.27 -4.98	20.99 0.11 -6.27	19.44 0.05 -6.98	24.22 0.22 -4.28	32.14 0.72 -0.36	34.61 1.01 -0.03	36.11 1.42 -0.04	27.98 1.07 -3.29	22.72 0.59 -6.19	22.40 0.50 -5.05	13.35 0.14 -9.63
N SALMON___HYD 24042	-14.81 -0.03 0.00	-21.40 0.03 0.00	-2.31 0.00 0.00	0.97 0.03 0.00	-11.37 0.19 0.00	-12.33 0.28 0.00	-10.44 0.25 0.00	-9.66 0.24 0.00	8.50 -0.15 0.00	-0.11 -0.01 0.00	14.76 -0.28 0.00	22.80 -0.36 0.00	25.61 -0.36 0.00	16.96 -0.22 0.00	14.44 -0.16 0.00	12.32 -0.10 0.00	19.52 -0.20 0.00	30.78 -0.29 0.00	33.37 -0.20 0.00	34.59 -0.07 0.00	23.62 -0.01 0.00	15.96 0.01 0.00	16.84 -0.02 0.00	3.56 -0.01 0.00
N.AKRON__115KV_KNAPP 355671	-8.11 0.45 -6.22	-12.39 0.64 -8.39	2.61 0.05 -4.87	5.48 -0.11 -4.64	-5.30 -0.03 -6.30	-6.01 -0.10 -6.69	-4.76 -0.09 -6.02	-3.86 -0.12 -6.15	11.66 -0.17 -3.18	4.72 -0.01 -4.84	13.31 -0.34 1.39	22.17 -0.74 0.24	26.08 -0.98 -1.08	18.79 -0.64 -2.25	16.86 -0.58 -2.83	14.97 -0.59 -3.15	20.58 -1.07 -1.93	29.83 -1.39 -0.16	32.11 -1.47 -0.01	33.22 -1.45 -0.02	23.95 -1.16 -1.49	17.92 -0.82 -2.79	18.40 -0.74 -2.28	7.79 -0.14 -4.35
N.BELMOR_69_KV_BK1 55787	37.04 -0.96 -52.77	33.97 -1.34 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.31 -0.70 -42.57	31.90 -0.71 -45.22	29.30 -0.69 -40.67	31.08 -0.62 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.26	34.92 1.17 -18.71	35.07 1.83 -10.09	35.27 1.98 -7.31	33.76 1.37 -15.21	34.96 1.20 -19.16	34.69 0.97 -21.30	34.35 1.58 -13.05	34.60 2.45 -1.09	35.96 2.30 -0.09	37.30 2.52 -0.13	35.49 1.82 -10.04	35.95 1.12 -18.89	33.42 1.17 -15.40	33.22 0.23 -29.41
N.E._GEN_SANDY PD 24062	42.24 -0.58 -57.60	38.17 -0.79 -60.38	32.80 -0.09 -35.20	34.84 0.03 -33.86	33.95 -0.47 -45.98	35.72 -0.52 -48.85	32.80 -0.44 -43.94	34.78 -0.41 -45.09	32.19 0.32 -23.22	35.82 0.00 -35.93	35.86 0.61 -20.21	34.99 0.93 -10.90	34.94 1.06 -7.90	34.01 0.68 -16.14	35.88 0.58 -20.70	35.91 0.49 -23.01	34.61 0.80 -14.10	33.47 1.23 -1.17	34.98 1.31 -0.10	36.03 1.24 -0.14	35.40 0.92 -10.85	36.99 0.64 -20.40	34.19 0.69 -16.63	35.00 0.15 -31.27
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	36.35 -0.78 -51.91	33.27 -1.11 -55.81	29.63 -0.11 -32.05	31.81 0.04 -30.84	29.70 -0.61 -41.87	31.21 -0.66 -44.48	28.71 -0.61 -40.01	30.47 -0.54 -40.91	30.27 0.47 -21.14	32.61 0.00 -32.71	34.31 0.87 -18.41	34.44 1.36 -9.93	34.67 1.51 -7.19	33.20 1.06 -14.96	34.33 0.88 -18.84	34.11 0.74 -20.95	33.77 1.22 -12.84	34.03 1.90 -1.07	35.53 1.88 -0.09	36.70 1.92 -0.13	34.92 1.42 -9.88	35.43 0.91 -18.58	32.93 0.93 -15.14	32.71 0.20 -28.93
N.QUEENS_27_KV_LOAD 356247	37.25 -0.74 -52.77	34.20 -1.11 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.66 0.51 -21.50	33.16 0.01 -33.25	34.58 0.83 -18.71	34.64 1.39 -10.09	34.83 1.54 -7.31	33.52 1.13 -15.21	34.65 0.89 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.98 -1.09	35.56 1.90 -0.09	36.66 1.87 -0.13	35.06 1.39 -10.04	35.72 0.88 -18.89	33.27 1.01 -15.40	33.21 0.22 -29.41
N.TROY___115KV_TB1 355778	45.70 -0.55 -61.03	43.43 -0.75 -65.61	35.29 -0.08 -37.68	37.23 0.03 -36.25	37.22 -0.44 -49.23	39.20 -0.49 -52.30	35.92 -0.42 -47.04	37.82 -0.38 -48.10	33.82 0.31 -24.86	38.36 0.00 -38.46	37.25 0.57 -21.64	35.68 0.85 -11.67	35.39 0.96 -8.45	35.38 0.60 -17.59	37.28 0.52 -22.15	37.49 0.44 -24.63	35.53 0.72 -15.09	33.45 1.13 -1.26	34.93 1.25 -0.11	36.02 1.22 -0.15	36.13 0.89 -11.61	38.42 0.62 -21.84	35.34 0.67 -17.81	37.74 0.15 -34.02
NARROWS_GT1_1 24228	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT1_2 24229	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41

NARROWS_GT1_3 24230	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT1_4 24231	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT1_5 24232	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT1_6 24233	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT1_7 24234	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT1_8 24235	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_1 24236	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_2 24237	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_3 24238	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_4 24239	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_5 24240	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_6 24241	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_7 24242	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NARROWS_GT2_8 24243	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	42.84 -0.63 -58.25	40.31 -0.90 -62.62	33.55 -0.10 -35.96	35.60 0.05 -34.60	34.90 -0.52 -46.98	36.72 -0.58 -49.91	33.69 -0.50 -44.89	35.53 -0.48 -45.91	32.79 0.41 -23.73	36.61 0.01 -36.71	36.41 0.71 -20.65	35.40 1.11 -11.14	35.24 1.19 -8.07	34.73 0.76 -16.79	36.38 0.63 -21.15	36.47 0.54 -23.51	35.01 0.89 -14.41	33.78 1.52 -1.20	35.32 1.64 -0.10	36.41 1.61 -0.14	35.83 1.12 -11.08	37.55 0.76 -20.85	34.66 0.81 -16.99	36.23 0.18 -32.47



NCHELSEA_115KV_TR2 355582	37.40 -0.81 -52.99	34.38 -1.17 -56.98	30.29 -0.12 -32.72	32.47 0.04 -31.48	30.55 -0.64 -42.75	32.11 -0.70 -45.41	29.52 -0.63 -40.85	31.30 -0.57 -41.77	30.75 0.51 -21.59	33.29 0.00 -33.40	34.79 0.96 -18.79	34.77 1.48 -10.14	34.96 1.64 -7.34	33.59 1.13 -15.27	34.78 0.94 -19.24	34.60 0.79 -21.39	34.13 1.31 -13.11	34.21 2.06 -1.09	35.74 2.08 -0.09	36.90 2.12 -0.13	35.24 1.53 -10.08	35.89 0.98 -18.97	33.32 1.00 -15.46	33.33 0.21 -29.54
NEG CAPITAL___MECHNVIL 23645	46.03 -0.76 -61.57	43.72 -1.05 -66.20	35.59 -0.12 -38.02	37.57 0.05 -36.58	37.51 -0.59 -49.66	39.49 -0.66 -52.76	36.19 -0.57 -47.46	38.10 -0.53 -48.53	34.18 0.44 -25.08	38.70 0.00 -38.80	37.70 0.83 -21.84	36.17 1.24 -11.78	35.87 1.37 -8.53	35.80 0.86 -17.74	37.69 0.74 -22.35	37.91 0.64 -24.86	36.00 1.06 -15.23	34.04 1.71 -1.27	35.56 1.89 -0.11	36.70 1.90 -0.15	36.66 1.31 -11.71	38.89 0.91 -22.04	35.76 0.94 -17.97	38.10 0.20 -34.32
NEG CENTRAL_HIGH_ACRES 23767	-7.99 0.50 -6.29	-13.93 0.73 -6.76	1.68 0.07 -3.92	4.62 -0.06 -3.74	-6.27 0.22 -5.07	-7.01 0.21 -5.39	-5.69 0.16 -4.85	-4.81 0.13 -4.96	11.00 -0.21 -2.56	3.85 0.00 -3.96	16.87 -0.40 -2.23	23.66 -0.69 -1.20	26.02 -0.82 -0.87	18.45 -0.55 -1.81	16.43 -0.46 -2.28	14.53 -0.42 -2.54	20.57 -0.70 -1.56	30.23 -0.96 -0.13	32.54 -1.04 -0.01	33.61 -1.06 -0.01	24.07 -0.76 -1.20	17.68 -0.51 -2.25	18.14 -0.55 -1.83	6.97 -0.11 -3.51
NEG CENTRAL___DRP 24199	-7.00 0.11 -7.67	-13.72 0.14 -7.56	2.09 0.02 -4.38	5.10 -0.02 -4.18	-5.91 -0.03 -5.67	-6.65 -0.07 -6.03	-5.33 -0.06 -5.42	-4.44 -0.09 -5.54	11.54 0.02 -2.87	4.36 -0.01 -4.46	19.18 -0.01 -4.16	25.07 -0.12 -2.04	26.76 -0.19 -0.98	19.04 -0.17 -2.03	17.01 -0.14 -2.55	15.16 -0.10 -2.84	21.34 -0.12 -1.74	31.18 -0.03 -0.14	33.60 0.02 -0.01	34.75 0.08 -0.02	24.97 0.01 -1.34	18.46 0.00 -2.52	18.86 -0.05 -2.05	7.49 -0.01 -3.92
NEG CENTRAL___INDECK 23768	0.99 0.15 -15.62	-11.55 0.23 -9.64	3.70 0.03 -5.99	6.23 -0.05 -5.33	-4.43 -0.11 -7.23	-5.11 -0.19 -7.69	-3.98 -0.20 -6.91	-3.04 -0.21 -7.07	12.32 0.01 -3.65	5.87 -0.01 -5.98	35.51 -0.14 -20.61	31.75 -0.38 -8.98	26.71 -0.51 -1.24	19.45 -0.32 -2.58	17.69 -0.17 -3.25	15.82 -0.21 -3.62	21.70 -0.23 -2.22	31.22 -0.03 -0.18	33.95 0.36 -0.02	35.19 0.52 -0.02	25.60 0.27 -1.71	19.30 0.14 -3.21	19.63 0.15 -2.62	8.61 0.04 -5.00
NEG CENTRAL___SENECA 23627	-5.90 0.15 -8.73	-12.94 0.19 -8.30	2.53 0.03 -4.82	5.51 -0.02 -4.58	-5.37 -0.04 -6.22	-6.09 -0.10 -6.61	-4.85 -0.10 -5.95	-3.94 -0.13 -6.08	11.82 0.03 -3.14	4.80 -0.01 -4.91	20.43 0.01 -5.38	25.61 -0.12 -2.58	26.80 -0.24 -1.07	19.19 -0.22 -2.22	17.24 -0.16 -2.80	15.41 -0.11 -3.12	21.50 -0.12 -1.91	31.23 0.01 -0.16	33.68 0.10 -0.01	34.84 0.17 -0.02	25.17 0.07 -1.47	18.72 0.02 -2.76	19.10 -0.02 -2.25	7.88 0.00 -4.30
NEG CENTRAL___STATE_STREET 24147	-7.85 -0.04 -6.96	-14.00 -0.07 -7.49	1.99 0.00 -4.30	5.08 -0.01 -4.14	-6.05 -0.11 -5.62	-6.79 -0.15 -5.97	-5.42 -0.09 -5.37	-4.54 -0.13 -5.49	11.57 0.08 -2.84	4.28 0.00 -4.39	17.57 0.06 -2.47	24.51 0.02 -1.33	26.99 0.05 -0.96	19.19 -0.01 -2.01	17.09 -0.04 -2.53	15.24 0.01 -2.81	21.48 0.04 -1.72	31.37 0.16 -0.14	33.80 0.22 -0.01	34.95 0.27 -0.02	25.06 0.11 -1.33	18.54 0.10 -2.49	18.91 0.02 -2.03	7.47 0.01 -3.88
NEG MILLWOOD___DRP 24198	37.63 -0.83 -53.24	34.63 -1.18 -57.24	30.44 -0.12 -32.87	32.61 0.04 -31.63	30.75 -0.64 -42.94	32.31 -0.70 -45.62	29.70 -0.64 -41.03	31.48 -0.58 -41.96	30.86 0.52 -21.69	33.45 0.00 -33.55	34.90 0.98 -18.88	34.86 1.53 -10.18	35.04 1.69 -7.37	33.70 1.17 -15.34	34.90 0.97 -19.33	34.72 0.81 -21.49	34.23 1.34 -13.17	34.27 2.11 -1.10	35.78 2.12 -0.09	36.94 2.15 -0.13	35.32 1.57 -10.13	36.00 0.99 -19.06	33.41 1.02 -15.53	33.47 0.21 -29.67
NEG NORTH_FLCN_SEA 23793	-14.89 -0.11 0.00	-21.50 -0.08 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.42 0.14 0.00	-12.40 0.21 0.00	-10.49 0.21 0.00	-9.68 0.21 0.00	8.51 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.80 -0.35 0.00	25.62 -0.35 0.00	16.98 -0.21 0.00	14.45 -0.15 0.00	12.34 -0.07 0.00	19.57 -0.14 0.00	30.90 -0.16 0.00	33.50 -0.07 0.00	34.67 0.02 0.00	23.71 0.08 0.00	16.01 0.06 0.00	16.90 0.04 0.00	3.58 0.00 0.00
NEG NORTH_KES_CHATEGAY 23792	-14.76 0.01 0.00	-21.33 0.09 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.32 0.24 0.00	-12.27 0.34 0.00	-10.38 0.32 0.00	-9.59 0.31 0.00	8.43 -0.22 0.00	-0.11 0.00 0.00	14.65 -0.39 0.00	22.62 -0.53 0.00	25.44 -0.54 0.00	16.85 -0.33 0.00	14.35 -0.25 0.00	12.25 -0.16 0.00	19.40 -0.31 0.00	30.60 -0.46 0.00	33.21 -0.36 0.00	34.42 -0.23 0.00	23.50 -0.13 0.00	15.87 -0.08 0.00	16.77 -0.09 0.00	3.55 -0.03 0.00
NEG NORTH___ALICE_FALLS 23915	-14.91 -0.13 0.00	-21.53 -0.11 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.43 0.13 0.00	-12.41 0.20 0.00	-10.50 0.20 0.00	-9.70 0.20 0.00	8.52 -0.14 0.00	-0.11 0.00 0.00	14.80 -0.24 0.00	22.84 -0.31 0.00	25.66 -0.32 0.00	16.99 -0.20 0.00	14.46 -0.14 0.00	12.36 -0.05 0.00	19.60 -0.11 0.00	30.94 -0.12 0.00	33.55 -0.02 0.00	34.75 0.10 0.00	23.76 0.13 0.00	16.04 0.09 0.00	16.93 0.07 0.00	3.58 0.00 0.00
NEG NORTH___LWR_SARANAC 23913	-14.91 -0.13 0.00	-21.53 -0.11 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.43 0.13 0.00	-12.41 0.20 0.00	-10.50 0.20 0.00	-9.70 0.20 0.00	8.52 -0.14 0.00	-0.11 0.00 0.00	14.80 -0.24 0.00	22.84 -0.31 0.00	25.66 -0.32 0.00	16.99 -0.20 0.00	14.46 -0.14 0.00	12.36 -0.05 0.00	19.60 -0.11 0.00	30.94 -0.12 0.00	33.55 -0.02 0.00	34.75 0.10 0.00	23.76 0.13 0.00	16.04 0.09 0.00	16.93 0.07 0.00	3.58 0.00 0.00
NEG NORTH___PLATTSBURG 23628	-14.90 -0.13 0.00	-21.53 -0.11 0.00	-2.32 -0.01 0.00	0.97 0.03 0.00	-11.43 0.13 0.00	-12.41 0.20 0.00	-10.50 0.20 0.00	-9.70 0.20 0.00	8.52 -0.14 0.00	-0.11 -0.01 0.00	14.80 -0.24 0.00	22.84 -0.31 0.00	25.66 -0.32 0.00	16.99 -0.20 0.00	14.46 -0.14 0.00	12.36 -0.05 0.00	19.61 -0.11 0.00	30.94 -0.12 0.00	33.55 -0.02 0.00	34.75 0.10 0.00	23.76 0.13 0.00	16.04 0.09 0.00	16.93 0.07 0.00	3.58 0.00 0.00
NEG WEST_LEA_LOCKPORT 23791	-7.93 0.69 -6.16	-11.79 0.98 -8.66	2.79 0.09 -5.02	5.61 -0.12 -4.78	-4.95 0.11 -6.49	-5.64 0.07 -6.90	-4.44 0.05 -6.21	-3.54 0.02 -6.35	11.65 -0.28 -3.28	4.86 -0.01 -4.98	12.38 -0.54 2.12	21.61 -1.01 0.53	25.86 -1.24 -1.12	18.68 -0.82 -2.32	16.82 -0.71 -2.92	14.95 -0.71 -3.25	20.45 -1.26 -1.99	29.44 -1.79 -0.17	31.55 -2.03 -0.01	32.60 -2.07 -0.02	23.55 -1.61 -1.53	17.72 -1.11 -2.88	18.19 -1.02 -2.35	7.87 -0.20 -4.49
NEG WEST___LANCASTR 23811	-6.51 0.94 -7.33	-10.13 1.31 -9.99	3.60 0.13 -5.78	6.38 -0.08 -5.52	-3.75 0.32 -7.49	-4.37 0.28 -7.96	-3.30 0.24 -7.16	-2.40 0.18 -7.32	12.12 -0.32 -3.78	5.64 0.00 -5.75	12.44 -0.50 2.10	21.67 -1.01 0.47	25.98 -1.28 -1.29	19.01 -0.85 -2.68	17.24 -0.73 -3.37	15.47 -0.70 -3.75	20.84 -1.17 -2.30	29.66 -1.60 -0.19	31.74 -1.85 -0.02	32.83 -1.85 -0.02	23.89 -1.51 -1.77	18.23 -1.04 -3.33	18.55 -1.02 -2.71	8.56 -0.20 -5.18

NEG_PENN_ALLEGHNY 23528	3.36 -0.01 -18.15	-1.96 -0.05 -19.51	8.85 0.00 -11.16	11.73 0.00 -10.78	3.00 -0.08 -14.64	2.82 -0.13 -15.55	3.19 -0.11 -13.99	4.29 -0.12 -14.31	16.11 0.06 -7.39	11.34 0.00 -11.44	21.60 0.12 -6.44	26.75 0.13 -3.47	28.57 0.08 -2.52	22.48 0.06 -5.23	21.23 0.04 -6.59	19.78 0.04 -7.33	24.30 0.09 -4.49	31.62 0.19 -0.37	33.79 0.19 -0.03	34.91 0.22 -0.04	27.24 0.16 -3.45	22.53 0.08 -6.50	22.21 0.05 -5.30	13.71 0.02 -10.12
NEG___GEN_MONROE 24207	-8.29 0.22 -6.26	-14.09 0.31 -7.03	1.80 0.02 -4.09	4.77 -0.05 -3.88	-6.36 -0.07 -5.27	-7.16 -0.15 -5.60	-5.81 -0.16 -5.04	-4.90 -0.15 -5.15	11.28 -0.04 -2.66	3.99 -0.01 -4.11	16.52 -0.13 -1.61	23.77 -0.34 -0.95	26.39 -0.49 -0.90	18.77 -0.30 -1.88	16.71 -0.27 -2.37	14.78 -0.28 -2.64	20.82 -0.51 -1.62	30.63 -0.57 -0.13	33.02 -0.56 -0.01	34.17 -0.50 -0.02	24.47 -0.40 -1.24	18.01 -0.28 -2.34	18.50 -0.27 -1.91	7.17 -0.05 -3.64
NEPA___ENERGY 23901	-6.84 0.85 -7.10	-10.26 1.11 -10.06	3.64 0.13 -5.82	6.46 -0.05 -5.56	-3.78 0.24 -7.55	-4.47 0.13 -8.01	-3.37 0.11 -7.21	-2.48 0.05 -7.37	12.27 -0.19 -3.80	5.66 0.00 -5.76	12.07 -0.31 2.66	21.80 -0.65 0.70	26.43 -0.84 -1.29	19.31 -0.56 -2.69	17.49 -0.49 -3.38	15.73 -0.46 -3.77	21.28 -0.75 -2.31	30.04 -1.21 -0.19	32.18 -1.41 -0.02	33.36 -1.32 -0.02	24.36 -1.05 -1.78	18.54 -0.76 -3.35	18.76 -0.82 -2.73	8.65 -0.14 -5.21
NEVERSINK___HYD 23608	34.61 -0.80 -50.18	31.39 -1.15 -53.96	28.56 -0.12 -30.99	30.80 0.04 -29.81	28.31 -0.61 -40.48	29.72 -0.67 -43.01	27.38 -0.61 -38.68	29.10 -0.56 -39.56	29.59 0.49 -20.45	31.53 0.00 -31.63	33.78 0.94 -17.80	34.19 1.44 -9.60	34.52 1.59 -6.95	32.74 1.09 -14.46	33.73 0.91 -18.22	33.45 0.77 -20.26	33.38 1.25 -12.41	34.07 1.98 -1.03	35.65 1.99 -0.09	36.87 2.09 -0.12	34.69 1.52 -9.55	34.87 0.97 -17.96	32.47 0.97 -14.64	31.75 0.20 -27.97
NEWKRMKL_115KV_TB1 55635	45.23 -0.39 -60.40	42.95 -0.57 -64.94	34.92 -0.07 -37.30	36.86 0.03 -35.88	36.80 -0.36 -48.72	38.76 -0.39 -51.76	35.53 -0.33 -46.56	37.41 -0.30 -47.61	33.47 0.20 -24.61	37.97 0.00 -38.07	36.84 0.38 -21.42	35.29 0.58 -11.55	35.00 0.66 -8.37	35.02 0.42 -17.41	36.89 0.36 -21.93	37.10 0.30 -24.38	35.14 0.49 -14.94	33.06 0.76 -1.24	34.50 0.83 -0.11	35.58 0.78 -0.15	35.70 0.58 -11.49	37.98 0.41 -21.62	34.96 0.47 -17.62	37.37 0.12 -33.67
NEWTON___FALLS_HYD 23847	-12.72 0.44 -1.62	-19.05 0.63 -1.75	-1.25 0.06 -1.00	1.89 -0.02 -0.96	-9.83 0.42 -1.31	-10.73 0.49 -1.39	-9.04 0.40 -1.25	-8.26 0.36 -1.28	9.04 -0.27 -0.66	0.91 0.00 -1.02	15.03 -0.59 -0.57	22.62 -0.84 -0.31	25.23 -0.97 -0.22	16.99 -0.67 -0.47	14.62 -0.57 -0.59	12.60 -0.47 -0.65	19.39 -0.73 -0.40	30.07 -1.03 -0.03	32.63 -0.94 0.00	33.94 -0.72 0.00	23.50 -0.43 -0.31	16.35 -0.18 -0.58	17.03 -0.30 -0.47	4.42 -0.06 -0.91
NGRID_A1_DSASP 323792	-7.70 0.82 -6.26	-11.43 1.15 -8.84	2.91 0.10 -5.12	5.71 -0.12 -4.89	-4.73 0.19 -6.63	-5.40 0.16 -7.05	-4.23 0.13 -6.34	-3.31 0.10 -6.48	11.68 -0.32 -3.35	5.00 0.02 -5.08	12.14 -0.68 2.22	21.42 -1.17 0.57	25.76 -1.35 -1.14	18.62 -0.93 -2.37	16.72 -0.87 -2.99	14.89 -0.84 -3.32	20.29 -1.46 -2.03	29.13 -2.10 -0.17	31.15 -2.43 -0.01	32.16 -2.52 -0.02	23.25 -1.94 -1.56	17.53 -1.36 -2.94	18.00 -1.26 -2.40	7.91 -0.25 -4.59
NGRID_A2_DSASP 323793	-7.70 0.82 -6.26	-11.43 1.15 -8.84	2.91 0.10 -5.12	5.71 -0.12 -4.89	-4.73 0.19 -6.63	-5.40 0.16 -7.05	-4.23 0.13 -6.34	-3.31 0.10 -6.48	11.68 -0.32 -3.35	5.00 0.02 -5.08	12.14 -0.68 2.22	21.42 -1.17 0.57	25.76 -1.35 -1.14	18.62 -0.93 -2.37	16.72 -0.87 -2.99	14.89 -0.84 -3.32	20.29 -1.46 -2.03	29.13 -2.10 -0.17	31.15 -2.43 -0.01	32.16 -2.52 -0.02	23.25 -1.94 -1.56	17.53 -1.36 -2.94	18.00 -1.26 -2.40	7.91 -0.25 -4.59
NGRID_A4_DSASP 323807	-7.70 0.82 -6.26	-11.43 1.15 -8.84	2.91 0.10 -5.12	5.71 -0.12 -4.89	-4.73 0.19 -6.63	-5.40 0.16 -7.05	-4.23 0.13 -6.34	-3.31 0.10 -6.48	11.68 -0.32 -3.35	5.00 0.02 -5.08	12.14 -0.68 2.22	21.42 -1.17 0.57	25.76 -1.35 -1.14	18.62 -0.93 -2.37	16.72 -0.87 -2.99	14.89 -0.84 -3.32	20.29 -1.46 -2.03	29.13 -2.10 -0.17	31.15 -2.43 -0.01	32.16 -2.52 -0.02	23.25 -1.94 -1.56	17.53 -1.36 -2.94	18.00 -1.26 -2.40	7.91 -0.25 -4.59
NIAGARA_115E_LBMP 323715	-7.68 0.81 -6.29	-11.44 1.15 -8.83	2.91 0.11 -5.11	5.68 -0.14 -4.88	-4.74 0.19 -6.62	-5.41 0.16 -7.04	-4.23 0.13 -6.33	-3.34 0.09 -6.47	11.63 -0.37 -3.34	4.96 -0.01 -5.07	12.21 -0.68 2.16	21.39 -1.22 0.54	25.59 -1.52 -1.14	18.54 -1.02 -2.37	16.68 -0.90 -2.98	14.83 -0.90 -3.32	20.22 -1.52 -2.03	28.93 -2.30 -0.17	31.01 -2.57 -0.01	32.04 -2.64 -0.02	23.16 -2.03 -1.56	17.45 -1.43 -2.94	17.91 -1.35 -2.39	7.90 -0.25 -4.58
NIAGARA_115W_LBMP 323714	-7.69 0.84 -6.26	-11.40 1.19 -8.83	2.91 0.10 -5.11	5.70 -0.12 -4.88	-4.72 0.21 -6.63	-5.39 0.18 -7.04	-4.22 0.14 -6.33	-3.30 0.12 -6.47	11.67 -0.33 -3.34	5.00 0.03 -5.08	12.14 -0.70 2.20	21.40 -1.20 0.56	25.73 -1.39 -1.14	18.60 -0.96 -2.37	16.68 -0.90 -2.98	14.86 -0.87 -3.32	20.25 -1.50 -2.03	29.01 -2.21 -0.17	31.08 -2.50 -0.01	32.09 -2.59 -0.02	23.18 -2.01 -1.56	17.48 -1.40 -2.94	17.94 -1.32 -2.40	7.89 -0.26 -4.58
NIAGARA_230_LBMP 323716	-7.71 0.82 -6.24	-11.52 1.16 -8.74	2.86 0.10 -5.06	5.66 -0.12 -4.83	-4.80 0.20 -6.56	-5.46 0.17 -6.97	-4.28 0.14 -6.27	-3.39 0.10 -6.41	11.63 -0.33 -3.31	4.92 -0.01 -5.03	12.33 -0.66 2.05	21.50 -1.15 0.50	25.78 -1.32 -1.13	18.66 -0.87 -2.34	16.82 -0.73 -2.95	14.99 -0.71 -3.28	20.41 -1.31 -2.01	29.25 -1.98 -0.17	31.34 -2.25 -0.01	32.36 -2.31 -0.02	23.41 -1.76 -1.55	17.68 -1.18 -2.91	18.11 -1.12 -2.37	7.89 -0.22 -4.53
NIAGARA___115KV_198_GIBSON 55903	-7.68 0.84 -6.26	-11.41 1.19 -8.83	2.91 0.10 -5.11	5.70 -0.12 -4.88	-4.72 0.21 -6.63	-5.39 0.18 -7.04	-4.22 0.14 -6.33	-3.30 0.12 -6.47	11.67 -0.33 -3.34	5.00 0.03 -5.08	12.14 -0.70 2.20	21.39 -1.20 0.56	25.72 -1.40 -1.14	18.59 -0.96 -2.37	16.68 -0.90 -2.98	14.86 -0.87 -3.32	20.24 -1.51 -2.03	29.06 -2.17 -0.17	31.08 -2.50 -0.01	32.09 -2.59 -0.02	23.19 -2.00 -1.56	17.48 -1.40 -2.94	17.96 -1.30 -2.40	7.89 -0.26 -4.58
NIAGARA____ 23760	-7.67 0.82 -6.29	-11.43 1.16 -8.83	2.91 0.10 -5.11	5.70 -0.12 -4.88	-4.73 0.20 -6.62	-5.40 0.17 -7.04	-4.22 0.14 -6.33	-3.32 0.10 -6.47	11.66 -0.33 -3.34	4.96 -0.01 -5.08	12.30 -0.66 2.08	21.49 -1.15 0.51	25.78 -1.32 -1.13	18.68 -0.87 -2.36	16.85 -0.73 -2.98	15.02 -0.71 -3.32	20.43 -1.31 -2.03	29.25 -1.98 -0.17	31.34 -2.25 -0.01	32.36 -2.31 -0.02	23.42 -1.76 -1.56	17.70 -1.18 -2.93	18.13 -1.12 -2.39	7.94 -0.22 -4.58
NINE_MILE_1 23575	-10.92 0.38 -3.48	-17.14 0.54 -3.74	-0.10 0.06 -2.15	2.98 -0.03 -2.07	-8.50 0.26 -2.81	-9.36 0.27 -2.98	-7.79 0.23 -2.68	-6.95 0.20 -2.74	9.87 -0.20 -1.42	2.09 0.00 -2.19	15.92 -0.35 -1.24	23.25 -0.56 -0.67	25.81 -0.65 -0.48	17.75 -0.44 -1.00	15.49 -0.38 -1.26	13.50 -0.32 -1.40	20.05 -0.52 -0.86	30.33 -0.80 -0.07	32.68 -0.89 -0.01	33.76 -0.91 -0.01	23.69 -0.60 -0.66	16.79 -0.40 -1.25	17.43 -0.44 -1.01	5.43 -0.09 -1.94

NINE_MILE_2 23744	-10.93 0.38 -3.47	-17.15 0.54 -3.73	-0.11 0.06 -2.14	2.98 -0.03 -2.06	-8.50 0.26 -2.80	-9.37 0.27 -2.97	-7.79 0.23 -2.68	-6.96 0.20 -2.74	9.86 -0.20 -1.41	2.09 0.00 -2.19	15.92 -0.35 -1.23	23.25 -0.56 -0.66	25.81 -0.65 -0.48	17.75 -0.44 -1.00	15.48 -0.38 -1.26	13.49 -0.32 -1.40	20.05 -0.52 -0.86	30.33 -0.80 -0.07	32.69 -0.88 -0.01	33.76 -0.91 -0.01	23.70 -0.59 -0.66	16.79 -0.40 -1.24	17.43 -0.44 -1.01	5.42 -0.09 -1.94
NM_CAPITAL___DRP 24208	45.09 -0.42 -60.29	42.81 -0.59 -64.82	34.85 -0.07 -37.23	36.79 0.03 -35.82	36.70 -0.37 -48.63	38.65 -0.41 -51.66	35.43 -0.35 -46.47	37.31 -0.31 -47.52	33.44 0.22 -24.56	37.90 0.00 -38.00	36.84 0.41 -21.38	35.32 0.63 -11.53	35.05 0.72 -8.35	35.02 0.45 -17.38	36.88 0.39 -21.89	37.08 0.33 -24.34	35.16 0.52 -14.91	33.12 0.81 -1.24	34.57 0.90 -0.11	35.63 0.83 -0.15	35.73 0.63 -11.47	37.97 0.44 -21.58	34.96 0.51 -17.59	37.31 0.13 -33.61
NM_CENTRAL___DRP 24181	-9.67 0.15 -4.96	-15.88 0.21 -5.33	0.78 0.02 -3.06	3.88 -0.02 -2.95	-7.49 0.07 -4.00	-8.30 0.06 -4.25	-6.83 0.04 -3.82	-5.96 0.02 -3.91	10.62 -0.05 -2.02	3.02 0.00 -3.13	16.71 -0.09 -1.76	23.94 -0.16 -0.95	26.45 -0.21 -0.69	18.46 -0.15 -1.43	16.26 -0.14 -1.80	14.29 -0.12 -2.00	20.76 -0.18 -1.23	30.92 -0.24 -0.10	33.30 -0.27 -0.01	34.40 -0.26 -0.01	24.41 -0.16 -0.94	17.62 -0.11 -1.78	18.17 -0.14 -1.45	6.31 -0.03 -2.77
NM_FRONTIER___DRP 24179	-7.68 0.84 -6.26	-11.41 1.19 -8.83	2.91 0.10 -5.11	5.70 -0.12 -4.88	-4.72 0.21 -6.63	-5.39 0.18 -7.04	-4.22 0.14 -6.33	-3.30 0.12 -6.47	11.67 -0.33 -3.34	5.00 0.03 -5.08	12.14 -0.70 2.20	21.39 -1.20 0.56	25.72 -1.40 -1.14	18.59 -0.96 -2.37	16.68 -0.90 -2.98	14.86 -0.87 -3.32	20.24 -1.51 -2.03	29.06 -2.17 -0.17	31.08 -2.50 -0.01	32.09 -2.59 -0.02	23.19 -2.00 -1.56	17.48 -1.40 -2.94	17.96 -1.30 -2.40	7.89 -0.26 -4.58
NM_ST_REGIS___HYD 24053	-13.90 0.12 -0.76	-20.40 0.21 -0.82	-1.82 0.02 -0.47	1.41 0.01 -0.45	-10.70 0.25 -0.61	-11.65 0.31 -0.65	-9.84 0.27 -0.58	-9.04 0.26 -0.60	8.79 -0.17 -0.31	0.37 0.00 -0.48	14.93 -0.38 -0.27	22.76 -0.53 -0.15	25.52 -0.56 -0.10	17.06 -0.35 -0.22	14.60 -0.28 -0.28	12.51 -0.21 -0.31	19.51 -0.40 -0.19	30.49 -0.59 -0.02	33.03 -0.54 0.00	34.23 -0.43 0.00	23.50 -0.27 -0.14	16.11 -0.11 -0.27	16.93 -0.15 -0.22	3.96 -0.04 -0.42
NORTHPORT___1 23551	37.00 -1.00 -52.77	33.94 -1.37 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.30 -0.71 -42.57	31.93 -0.68 -45.22	29.29 -0.69 -40.67	31.08 -0.61 -41.59	30.64 0.49 -21.50	33.16 0.01 -33.26	34.90 1.15 -18.71	35.05 1.80 -10.09	35.23 1.95 -7.31	33.73 1.34 -15.21	34.96 1.20 -19.16	34.67 0.95 -21.30	34.32 1.55 -13.05	34.53 2.39 -1.09	35.74 2.08 -0.09	37.22 2.43 -0.13	35.41 1.74 -10.04	35.87 1.04 -18.89	33.40 1.14 -15.40	33.21 0.22 -29.41
NORTHPORT___2 23552	37.00 -1.00 -52.77	33.94 -1.37 -56.74	30.14 -0.13 -32.59	32.34 0.05 -31.35	30.30 -0.71 -42.57	31.93 -0.68 -45.22	29.29 -0.69 -40.67	31.08 -0.61 -41.59	30.64 0.49 -21.50	33.16 0.01 -33.26	34.90 1.15 -18.71	35.05 1.80 -10.09	35.23 1.95 -7.31	33.73 1.34 -15.21	34.96 1.20 -19.16	34.67 0.95 -21.30	34.32 1.55 -13.05	34.53 2.39 -1.09	35.74 2.08 -0.09	37.22 2.43 -0.13	35.41 1.74 -10.04	35.87 1.04 -18.89	33.40 1.14 -15.40	33.21 0.22 -29.41
NORTHPORT___3 23553	37.03 -0.96 -52.77	33.99 -1.32 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.32 -0.68 -42.57	31.95 -0.66 -45.22	29.32 -0.66 -40.67	31.11 -0.58 -41.59	30.61 0.46 -21.50	33.16 0.01 -33.26	34.88 1.12 -18.71	35.00 1.76 -10.09	35.18 1.89 -7.31	33.71 1.31 -15.21	34.93 1.17 -19.16	34.65 0.93 -21.30	34.27 1.51 -13.05	34.45 2.30 -1.09	35.63 1.97 -0.09	37.10 2.32 -0.13	35.34 1.67 -10.04	35.83 0.99 -18.89	33.35 1.09 -15.40	33.21 0.21 -29.41
NORTHPORT___4 23650	37.03 -0.96 -52.77	33.99 -1.32 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.32 -0.68 -42.57	31.95 -0.66 -45.22	29.32 -0.66 -40.67	31.11 -0.58 -41.59	30.61 0.46 -21.50	33.16 0.01 -33.26	34.88 1.12 -18.71	35.00 1.76 -10.09	35.18 1.89 -7.31	33.71 1.31 -15.21	34.93 1.17 -19.16	34.65 0.93 -21.30	34.27 1.51 -13.05	34.45 2.30 -1.09	35.63 1.97 -0.09	37.10 2.32 -0.13	35.34 1.67 -10.04	35.83 0.99 -18.89	33.35 1.09 -15.40	33.21 0.21 -29.41
NORTHPORT___IC 23718	37.00 -0.99 -52.77	33.95 -1.36 -56.74	30.15 -0.13 -32.59	32.34 0.05 -31.35	30.30 -0.71 -42.57	31.93 -0.68 -45.22	29.29 -0.69 -40.67	31.08 -0.61 -41.59	30.64 0.49 -21.50	33.16 0.01 -33.26	34.90 1.15 -18.71	35.04 1.80 -10.09	35.23 1.95 -7.31	33.74 1.34 -15.21	34.96 1.20 -19.16	34.67 0.95 -21.30	34.32 1.55 -13.05	34.52 2.38 -1.09	35.74 2.08 -0.09	37.22 2.44 -0.13	35.41 1.74 -10.04	35.87 1.04 -18.89	33.39 1.14 -15.40	33.21 0.22 -29.41
NORTH___COUNTRY_ESR 323785	-14.74 0.03 0.00	-21.31 0.12 0.00	-2.30 0.01 0.00	0.97 0.02 0.00	-11.31 0.25 0.00	-12.25 0.36 0.00	-10.37 0.33 0.00	-9.57 0.32 0.00	8.42 -0.23 0.00	-0.11 0.00 0.00	14.65 -0.39 0.00	22.62 -0.53 0.00	25.43 -0.54 0.00	16.85 -0.33 0.00	14.35 -0.25 0.00	12.25 -0.16 0.00	19.40 -0.32 0.00	30.59 -0.48 0.00	33.18 -0.39 0.00	34.38 -0.28 0.00	23.46 -0.16 0.00	15.84 -0.10 0.00	16.75 -0.11 0.00	3.54 -0.03 0.00
NPX_GEN_1385_PROXY 323591	36.69 -1.30 -52.77	33.66 -1.65 -56.74	30.13 -0.14 -32.59	31.84 0.05 -30.84	30.05 -0.96 -42.57	31.79 -0.82 -45.22	29.02 -0.96 -40.67	28.82 -0.88 -39.60	30.72 0.57 -21.50	33.15 0.00 -33.26	34.87 1.12 -18.71	35.08 1.83 -10.09	35.23 1.95 -7.31	33.74 1.34 -15.21	35.00 1.24 -19.16	34.66 0.95 -21.30	34.38 1.61 -13.05	34.75 2.60 -1.09	35.53 1.88 -0.09	37.75 2.97 -0.13	35.76 2.09 -10.04	35.95 1.12 -18.89	33.65 1.39 -15.40	33.22 0.23 -29.41
NPX_GEN_CSC 323557	36.80 -1.19 -52.77	33.63 -1.68 -56.74	30.12 -0.16 -32.59	31.85 0.06 -30.84	30.21 -0.79 -42.57	31.84 -0.77 -45.22	29.22 -0.76 -40.67	29.00 -0.70 -39.60	30.73 0.58 -21.50	33.16 0.01 -33.26	35.12 1.37 -18.71	35.29 2.05 -10.09	35.51 2.23 -7.31	33.91 1.52 -15.21	35.19 1.43 -19.16	34.85 1.13 -21.30	34.62 1.85 -13.05	35.04 2.89 -1.09	36.32 2.67 -0.09	37.77 2.99 -0.13	35.78 2.11 -10.04	36.11 1.27 -18.89	33.63 1.37 -15.40	33.24 0.25 -29.41
NSINS_S_GLNS_FALLS 23858	46.06 -1.01 -61.85	43.76 -1.31 -66.50	35.74 -0.14 -38.19	37.75 0.06 -36.74	37.59 -0.74 -49.89	39.55 -0.84 -53.00	36.25 -0.73 -47.67	38.18 -0.67 -48.75	34.42 0.57 -25.20	38.87 0.00 -38.98	38.02 1.05 -21.93	36.52 1.54 -11.83	36.25 1.71 -8.57	36.05 1.04 -17.82	37.94 0.89 -22.45	38.17 0.79 -24.97	36.40 1.39 -15.30	34.61 2.28 -1.27	36.28 2.60 -0.11	37.44 2.64 -0.15	37.13 1.73 -11.77	39.33 1.24 -22.14	36.17 1.27 -18.05	38.32 0.27 -34.47
NUCOR_STEEL___DRP 24197	-8.12 -0.04 -6.69	-14.30 -0.07 -7.19	1.82 0.00 -4.13	4.91 -0.01 -3.98	-6.27 -0.11 -5.40	-7.02 -0.14 -5.74	-5.62 -0.08 -5.16	-4.74 -0.12 -5.27	11.45 0.08 -2.73	4.11 0.00 -4.22	17.47 0.06 -2.37	24.44 0.01 -1.28	26.95 0.05 -0.93	19.11 0.00 -1.93	16.99 -0.05 -2.43	15.13 0.02 -2.70	21.40 0.03 -1.66	31.36 0.16 -0.14	33.78 0.20 -0.01	34.91 0.24 -0.02	24.98 0.08 -1.27	18.44 0.09 -2.40	18.81 0.00 -1.95	7.31 0.00 -3.73

NUMBER_THREE_WT_PWR 323818	-11.87 0.57 -2.34	-18.09 0.83 -2.51	-0.78 0.08 -1.44	2.29 -0.04 -1.39	-9.18 0.49 -1.89	-10.04 0.56 -2.00	-8.44 0.45 -1.80	-7.66 0.39 -1.84	9.29 -0.31 -0.95	1.36 -0.01 -1.47	15.23 -0.64 -0.83	22.68 -0.92 -0.45	25.16 -1.14 -0.32	17.06 -0.80 -0.67	14.74 -0.71 -0.85	12.77 -0.58 -0.94	19.48 -0.82 -0.58	30.02 -1.09 -0.05	32.68 -0.89 0.00	34.06 -0.60 -0.01	23.78 -0.29 -0.44	16.72 -0.06 -0.84	17.29 -0.25 -0.68	4.85 -0.03 -1.30
NYISO_LBMP_REFERENCE 24008	-14.78 0.00 0.00	-21.42 0.00 0.00	-2.31 0.00 0.00	0.94 0.00 0.00	-11.56 0.00 0.00	-12.61 0.00 0.00	-10.69 0.00 0.00	-9.90 0.00 0.00	8.65 0.00 0.00	-0.10 0.00 0.00	15.04 0.00 0.00	23.15 0.00 0.00	25.98 0.00 0.00	17.19 0.00 0.00	14.60 0.00 0.00	12.42 0.00 0.00	19.72 0.00 0.00	31.06 0.00 0.00	33.57 0.00 0.00	34.66 0.00 0.00	23.63 0.00 0.00	15.95 0.00 0.00	16.86 0.00 0.00	3.58 0.00 0.00
NYPA_BRENTWD____GT 24164	36.85 -1.15 -52.77	33.72 -1.59 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.20 -0.81 -42.57	31.81 -0.80 -45.22	29.19 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.10 1.34 -18.71	35.35 2.10 -10.09	35.55 2.27 -7.31	33.96 1.56 -15.21	35.15 1.39 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.97 2.82 -1.09	36.24 2.58 -0.09	37.69 2.91 -0.13	35.73 2.06 -10.04	36.09 1.25 -18.89	33.61 1.35 -15.40	33.25 0.26 -29.41
NYPA_GOWANUS____GT5 24156	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NYPA_GOWANUS____GT6 24157	37.17 -0.82 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.00 -33.25	34.66 0.91 -18.71	34.70 1.45 -10.09	34.89 1.61 -7.31	33.54 1.14 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.21 2.06 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.20 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
NYPA_HARLEM__RVR__GT1 24160	37.25 -0.74 -52.77	34.22 -1.09 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.97 -0.64 -45.22	29.37 -0.60 -40.67	31.16 -0.53 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.57 0.82 -18.71	34.61 1.36 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.63 0.87 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.10 1.95 -1.09	35.53 1.87 -0.09	36.64 1.86 -0.13	35.04 1.37 -10.04	35.71 0.87 -18.89	33.25 1.00 -15.40	33.20 0.21 -29.41
NYPA_HARLEM__RVR__GT2 24161	37.25 -0.74 -52.77	34.22 -1.09 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.97 -0.64 -45.22	29.37 -0.60 -40.67	31.16 -0.53 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.57 0.82 -18.71	34.61 1.36 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.63 0.87 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.10 1.95 -1.09	35.53 1.87 -0.09	36.64 1.86 -0.13	35.04 1.37 -10.04	35.71 0.87 -18.89	33.25 1.00 -15.40	33.20 0.21 -29.41
NYPA_KENT____GT 24152	37.20 -0.79 -52.77	34.19 -1.12 -56.73	30.15 -0.12 -32.58	32.34 0.04 -31.35	30.39 -0.62 -42.56	31.94 -0.67 -45.22	29.34 -0.64 -40.67	31.13 -0.57 -41.59	30.67 0.52 -21.50	33.16 0.01 -33.25	34.64 0.89 -18.71	34.67 1.42 -10.09	34.86 1.57 -7.31	33.52 1.13 -15.21	34.68 0.92 -19.16	34.48 0.77 -21.30	34.05 1.29 -13.05	34.17 2.02 -1.09	35.64 1.98 -0.09	36.81 2.03 -0.13	35.16 1.49 -10.04	35.78 0.94 -18.89	33.27 1.01 -15.40	33.21 0.21 -29.41
NYPA_POUCH1____GT 24155	37.17 -0.82 -52.77	34.15 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.62 -42.56	31.93 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.65 0.90 -18.71	34.67 1.43 -10.09	34.87 1.58 -7.31	33.52 1.13 -15.21	34.68 0.92 -19.16	34.49 0.77 -21.30	34.06 1.29 -13.05	34.17 2.03 -1.09	35.65 1.99 -0.09	36.82 2.04 -0.13	35.17 1.51 -10.04	35.79 0.96 -18.89	33.27 1.01 -15.40	33.21 0.21 -29.41
NYPA_VERNON____GT2 24162	37.23 -0.76 -52.77	34.22 -1.09 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.39 -0.61 -42.56	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.14 -0.56 -41.59	30.67 0.51 -21.50	33.16 0.01 -33.25	34.62 0.87 -18.71	34.64 1.39 -10.09	34.82 1.54 -7.31	33.50 1.11 -15.21	34.66 0.90 -19.16	34.47 0.75 -21.30	34.03 1.27 -13.05	34.13 1.99 -1.09	35.59 1.93 -0.09	36.76 1.97 -0.13	35.12 1.46 -10.04	35.75 0.92 -18.89	33.25 0.99 -15.40	33.20 0.21 -29.41
NYPA_VERNON____GT3 24163	37.23 -0.76 -52.77	34.22 -1.09 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.39 -0.61 -42.56	31.94 -0.67 -45.22	29.35 -0.63 -40.67	31.14 -0.56 -41.59	30.67 0.51 -21.50	33.16 0.01 -33.25	34.62 0.87 -18.71	34.64 1.39 -10.09	34.82 1.54 -7.31	33.50 1.11 -15.21	34.66 0.90 -19.16	34.47 0.75 -21.30	34.03 1.27 -13.05	34.13 1.99 -1.09	35.59 1.93 -0.09	36.76 1.97 -0.13	35.12 1.46 -10.04	35.75 0.92 -18.89	33.25 0.99 -15.40	33.20 0.21 -29.41
NYPA__ASTORIA_CC1 323568	37.25 -0.74 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.60 0.85 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.10 1.95 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.42 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
NYPA__ASTORIA_CC2 323569	37.25 -0.74 -52.77	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.60 0.85 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.64 0.88 -19.16	34.46 0.74 -21.30	34.01 1.25 -13.05	34.10 1.95 -1.09	35.55 1.89 -0.09	36.71 1.93 -0.13	35.09 1.42 -10.04	35.73 0.90 -18.89	33.23 0.98 -15.40	33.20 0.21 -29.41
NYPA__HOLTSVILL 23794	36.90 -1.09 -52.77	33.79 -1.53 -56.74	30.13 -0.14 -32.59	32.35 0.06 -31.35	30.25 -0.76 -42.57	31.87 -0.74 -45.22	29.25 -0.73 -40.67	31.03 -0.67 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.04 1.28 -18.71	35.23 1.99 -10.09	35.44 2.15 -7.31	33.87 1.48 -15.21	35.10 1.33 -19.16	34.77 1.06 -21.30	34.50 1.73 -13.05	34.83 2.69 -1.09	36.10 2.45 -0.09	37.55 2.77 -0.13	35.63 1.96 -10.04	36.02 1.18 -18.89	33.53 1.28 -15.40	33.24 0.24 -29.41
NYPA__HELLGATE_GT1 24158	37.25 -0.74 -52.77	34.22 -1.09 -56.73	30.16 -0.11 -32.58	32.34 0.04 -31.35	30.42 -0.58 -42.56	31.97 -0.64 -45.22	29.37 -0.60 -40.67	31.16 -0.53 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.57 0.82 -18.71	34.61 1.36 -10.09	34.80 1.51 -7.31	33.49 1.10 -15.21	34.63 0.87 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.10 1.95 -1.09	35.53 1.87 -0.09	36.64 1.86 -0.13	35.04 1.37 -10.04	35.71 0.87 -18.89	33.25 1.00 -15.40	33.20 0.21 -29.41

NYPA_____HELLGATE_GT2 24159	37.25	34.22	30.16	32.34	30.42	31.97	29.37	31.16	30.65	33.16	34.57	34.61	34.80	33.49	34.63	34.46	34.01	34.10	35.53	36.64	35.04	35.71	33.25	33.20
	-0.74	-1.09	-0.11	0.04	-0.58	-0.64	-0.60	-0.53	0.50	0.01	0.82	1.36	1.51	1.10	0.87	0.74	1.24	1.95	1.87	1.86	1.37	0.87	1.00	0.21
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
NYS_BARGE___HYD 23848	-7.90	-11.90	2.75	5.57	-5.03	-5.72	-4.50	-3.61	11.63	4.83	12.70	21.76	25.85	18.67	16.78	14.91	20.42	29.38	31.55	32.60	23.53	17.68	18.13	7.83
	0.66	0.94	0.08	-0.12	0.09	0.04	0.04	0.00	-0.27	-0.01	-0.52	-0.99	-1.23	-0.82	-0.72	-0.72	-1.28	-1.85	-2.03	-2.07	-1.61	-1.13	-1.06	-0.20
	-6.21	-8.59	-4.98	-4.74	-6.44	-6.84	-6.15	-6.29	-3.25	-4.94	1.82	0.41	-1.11	-2.30	-2.90	-3.22	-1.98	-0.16	-0.01	-0.02	-1.52	-2.86	-2.33	-4.45
OAK ORCHARD___HYD 24046	-8.03	-14.08	1.77	4.74	-6.34	-7.11	-5.75	-4.86	11.21	3.96	17.17	24.04	26.43	18.77	16.72	14.79	20.87	30.64	33.00	34.09	24.41	17.96	18.44	7.12
	0.28	0.39	0.03	-0.05	-0.01	-0.04	-0.04	-0.06	-0.08	-0.01	-0.16	-0.35	-0.44	-0.28	-0.23	-0.23	-0.44	-0.55	-0.58	-0.58	-0.45	-0.30	-0.31	-0.06
	-6.47	-6.96	-4.05	-3.84	-5.22	-5.54	-4.99	-5.10	-2.64	-4.08	-2.29	-1.24	-0.90	-1.86	-2.35	-2.61	-1.60	-0.13	-0.01	-0.02	-1.23	-2.31	-1.89	-3.61
OAKDALE___35_KV_LOAD 356122	3.57	-2.03	8.81	11.69	2.95	2.77	3.14	4.24	16.08	11.31	22.26	27.02	28.56	22.46	21.20	19.75	24.27	31.60	33.75	34.88	27.20	22.49	22.18	13.68
	-0.01	-0.05	0.00	0.00	-0.08	-0.13	-0.10	-0.12	0.06	0.00	0.11	0.12	0.08	0.06	0.03	0.03	0.08	0.17	0.15	0.18	0.13	0.07	0.05	0.02
	-18.35	-19.45	-11.12	-10.75	-14.59	-15.50	-13.94	-14.26	-7.37	-11.41	-7.10	-3.75	-2.51	-5.21	-6.57	-7.30	-4.47	-0.37	-0.03	-0.04	-3.44	-6.48	-5.28	-10.08
OCC_CHEM___DRP 24175	-7.70	-11.43	2.91	5.71	-4.73	-5.40	-4.23	-3.31	11.68	5.00	12.14	21.42	25.76	18.62	16.72	14.89	20.29	29.13	31.15	32.16	23.25	17.53	18.00	7.91
	0.82	1.15	0.10	-0.12	0.19	0.16	0.13	0.10	-0.32	0.02	-0.68	-1.17	-1.35	-0.93	-0.87	-0.84	-1.46	-2.10	-2.43	-2.52	-1.94	-1.36	-1.26	-0.25
	-6.26	-8.84	-5.12	-4.89	-6.63	-7.05	-6.34	-6.48	-3.35	-5.08	2.22	0.57	-1.14	-2.37	-2.99	-3.32	-2.03	-0.17	-0.01	-0.02	-1.56	-2.94	-2.40	-4.59
OH_GEN_PROXY 24063	-7.55	-11.55	2.83	5.14	-4.81	-5.48	-4.30	-5.40	11.63	4.91	12.83	21.74	25.83	18.68	16.83	15.00	20.46	29.34	31.43	32.46	23.49	17.72	70.86	7.88
	0.82	1.17	0.10	-0.11	0.21	0.19	0.15	0.11	-0.33	-0.01	-0.63	-1.11	-1.27	-0.84	-0.71	-0.68	-1.26	-1.89	-2.15	-2.21	-1.68	-1.13	-1.08	-0.21
	-6.40	-8.71	-5.04	-4.31	-6.54	-6.94	-6.25	-4.39	-3.30	-5.02	1.57	0.30	-1.12	-2.34	-2.94	-3.27	-2.00	-0.17	-0.01	-0.02	-1.54	-2.90	-55.08	-4.52
OLIN_CORP_DRP 24177	-7.65	-11.40	2.94	5.72	-4.70	-5.37	-4.20	-3.29	11.67	4.99	12.14	21.38	25.64	18.58	16.73	14.89	20.28	29.04	31.09	32.12	23.23	17.52	18.00	7.94
	0.80	1.14	0.10	-0.14	0.19	0.15	0.13	0.09	-0.35	-0.01	-0.67	-1.20	-1.48	-0.99	-0.87	-0.86	-1.48	-2.18	-2.49	-2.56	-1.97	-1.38	-1.27	-0.24
	-6.32	-8.89	-5.15	-4.91	-6.67	-7.09	-6.37	-6.52	-3.37	-5.11	2.23	0.57	-1.15	-2.38	-3.00	-3.34	-2.05	-0.17	-0.01	-0.02	-1.57	-2.96	-2.41	-4.61
OLIN_CORP_DSASP 323712	-7.70	-11.43	2.91	5.71	-4.73	-5.40	-4.23	-3.31	11.68	5.00	12.14	21.42	25.76	18.62	16.72	14.89	20.29	29.13	31.15	32.16	23.25	17.53	18.00	7.91
	0.82	1.15	0.10	-0.12	0.19	0.16	0.13	0.10	-0.32	0.02	-0.68	-1.17	-1.35	-0.93	-0.87	-0.84	-1.46	-2.10	-2.43	-2.52	-1.94	-1.36	-1.26	-0.25
	-6.26	-8.84	-5.12	-4.89	-6.63	-7.05	-6.34	-6.48	-3.35	-5.08	2.22	0.57	-1.14	-2.37	-2.99	-3.32	-2.03	-0.17	-0.01	-0.02	-1.56	-2.94	-2.40	-4.59
ONEIDA_HERK_LFGE 323681	-12.41	-18.84	-0.88	2.31	-9.62	-10.54	-8.86	-8.05	9.59	1.34	15.79	23.52	26.16	17.73	15.31	13.25	20.23	31.16	33.79	35.04	24.41	17.06	17.71	4.91
	0.06	0.10	0.01	-0.01	0.07	0.09	0.05	0.03	-0.01	-0.01	-0.06	-0.08	-0.14	-0.12	-0.13	-0.10	-0.05	0.06	0.22	0.38	0.35	0.29	0.17	0.05
	-2.31	-2.48	-1.43	-1.37	-1.86	-1.98	-1.78	-1.82	-0.94	-1.45	-0.82	-0.44	-0.32	-0.66	-0.84	-0.93	-0.57	-0.05	0.00	-0.01	-0.44	-0.82	-0.67	-1.29
ONEIDA___115KV_TB4 55905	-11.58	-18.06	-0.24	2.97	-8.99	-9.89	-8.26	-7.41	10.20	2.03	16.50	24.16	26.84	18.40	16.02	13.95	20.91	31.74	34.32	35.48	24.88	17.57	18.22	5.55
	-0.21	-0.30	-0.03	0.01	-0.17	-0.20	-0.19	-0.19	0.16	-0.01	0.26	0.36	0.39	0.23	0.18	0.16	0.35	0.61	0.75	0.82	0.61	0.41	0.37	0.08
	-3.40	-3.66	-2.10	-2.02	-2.74	-2.92	-2.62	-2.68	-1.39	-2.14	-1.21	-0.65	-0.47	-0.98	-1.24	-1.37	-0.84	-0.07	-0.01	-0.01	-0.65	-1.22	-0.99	-1.90
ONONDAGA_REF_OCCRA 23987	-8.61	-14.78	1.47	4.56	-6.64	-7.40	-6.01	-5.12	11.14	3.74	17.21	24.30	26.76	18.89	16.75	14.83	21.16	31.14	33.53	34.65	24.80	18.13	18.61	6.98
	0.06	0.08	0.01	-0.01	0.00	-0.02	-0.02	-0.04	0.00	0.00	0.01	-0.02	-0.06	-0.06	-0.07	-0.05	-0.06	-0.05	-0.05	-0.02	0.01	0.00	-0.03	0.00
	-6.11	-6.56	-3.77	-3.63	-4.92	-5.23	-4.71	-4.81	-2.49	-3.85	-2.17	-1.17	-0.85	-1.76	-2.22	-2.47	-1.51	-0.13	-0.01	-0.01	-1.16	-2.18	-1.78	-3.40
ONONDAGA___COGEN 23986	-9.06	-15.26	1.18	4.29	-7.00	-7.79	-6.35	-5.48	10.94	3.45	17.02	24.16	26.65	18.73	16.56	14.63	21.02	31.09	33.48	34.59	24.66	17.94	18.43	6.71
	0.07	0.10	0.01	-0.01	0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.02	-0.07	-0.11	-0.08	-0.09	-0.06	-0.09	-0.09	-0.10	-0.08	-0.05	-0.03	-0.07	-0.01
	-5.64	-6.06	-3.48	-3.35	-4.55	-4.83	-4.35	-4.44	-2.30	-3.55	-2.00	-1.08	-0.78	-1.63	-2.05	-2.28	-1.39	-0.12	-0.01	-0.01	-1.07	-2.02	-1.65	-3.14
ONTARIO___LFGE 23819	-5.91	-12.94	2.53	5.51	-5.37	-6.09	-4.85	-3.94	11.82	4.81	20.43	25.61	26.80	19.19	17.24	15.41	21.50	31.21	33.68	34.84	25.17	18.72	19.09	7.88
	0.14	0.19	0.03	-0.02	-0.04	-0.10	-0.10	-0.13	0.02	0.00	0.01	-0.12	-0.24	-0.22	-0.16	-0.11	-0.12	-0.01	0.10	0.17	0.07	0.02	-0.02	0.00
	-8.73	-8.30	-4.82	-4.58	-6.22	-6.61	-5.95	-6.08	-3.14	-4.91	-5.38	-2.58	-1.07	-2.22	-2.80	-3.12	-1.91	-0.16	-0.01	-0.02	-1.47	-2.76	-2.25	-4.30
ORANGEVILLE_WT_PWR 323706	-11.03	-9.62	2.84	6.55	-3.34	-3.97	-2.95	-2.06	12.13	5.61	-0.32	16.26	25.90	19.01	17.38	15.65	21.13	29.94	32.20	33.29	24.33	18.60	18.90	8.80
	1.02	1.46	0.16	-0.11	0.45	0.40	0.32	0.25	-0.44	0.00	-0.74	-1.22	-1.42	-0.94	-0.71	-0.65	-0.97	-1.32	-1.38	-1.39	-1.13	-0.79	-0.77	-0.14
	-2.72	-10.35	-5.00	-5.72	-7.76	-8.25	-7.42	-7.59	-3.92	-5.72	14.62	5.67	-1.33	-2.77	-3.49	-3.89	-2.38	-0.20	-0.02	-0.02	-1.83	-3.45	-2.81	-5.36
ORANGEVILLE___ESR 323794	-11.03	-9.62	2.84	6.55	-3.34	-3.97	-2.95	-2.06	12.13	5.61	-0.32	16.26	25.90	19.01	17.38	15.65	21.13	29.94	32.20	33.29	24.33	18.60	18.90	8.80
	1.02	1.46	0.16	-0.11	0.45	0.40	0.32	0.25	-0.44	0.00	-0.74	-1.22	-1.42	-0.94	-0.71	-0.65	-0.97	-1.32	-1.38	-1.39	-1.13	-0.79	-0.77	-0.14
	-2.72	-10.35	-5.00	-5.72	-7.76	-8.25	-7.42	-7.59	-3.92	-5.72	14.62	5.67	-1.33	-2.77	-3.49	-3.89	-2.38	-0.20	-0.02	-0.02	-1.83	-3.45	-2.81	-5.36

OSWEGATCHIE___HYD 24044	-12.71	-19.05	-1.25	1.89	-9.83	-10.73	-9.04	-8.26	9.04	0.91	15.03	22.62	25.23	16.99	14.62	12.60	19.39	30.07	32.63	33.94	23.50	16.35	17.03	4.42
	0.44	0.63	0.06	-0.02	0.42	0.49	0.40	0.36	-0.27	0.00	-0.59	-0.84	-0.97	-0.67	-0.57	-0.47	-0.72	-1.03	-0.94	-0.72	-0.43	-0.18	-0.30	-0.06
	-1.62	-1.75	-1.00	-0.96	-1.31	-1.39	-1.25	-1.28	-0.66	-1.02	-0.57	-0.31	-0.22	-0.47	-0.59	-0.65	-0.40	-0.03	0.00	0.00	-0.31	-0.58	-0.47	-0.91
OSWEGO___5 23606	-10.47	-16.69	0.21	3.30	-8.14	-8.98	-7.44	-6.60	10.14	2.42	16.20	23.49	26.03	18.00	15.76	13.78	20.30	30.53	32.89	33.97	23.94	17.08	17.69	5.74
	0.29	0.43	0.05	-0.02	0.19	0.19	0.16	0.14	-0.15	0.00	-0.26	-0.43	-0.51	-0.34	-0.30	-0.25	-0.41	-0.62	-0.68	-0.69	-0.45	-0.31	-0.34	-0.07
	-4.01	-4.31	-2.47	-2.38	-3.23	-3.43	-3.09	-3.16	-1.63	-2.53	-1.42	-0.77	-0.55	-1.15	-1.46	-1.62	-0.99	-0.08	-0.01	-0.01	-0.76	-1.43	-1.17	-2.23
OSWEGO___6 23613	-10.47	-16.69	0.21	3.30	-8.14	-8.98	-7.44	-6.60	10.14	2.42	16.20	23.49	26.03	18.00	15.76	13.78	20.30	30.53	32.89	33.97	23.94	17.08	17.69	5.74
	0.29	0.43	0.05	-0.02	0.19	0.19	0.16	0.14	-0.15	0.00	-0.26	-0.43	-0.51	-0.34	-0.30	-0.25	-0.41	-0.62	-0.68	-0.69	-0.45	-0.31	-0.34	-0.07
	-4.01	-4.31	-2.47	-2.38	-3.23	-3.43	-3.09	-3.16	-1.63	-2.53	-1.42	-0.77	-0.55	-1.15	-1.46	-1.62	-0.99	-0.08	-0.01	-0.01	-0.76	-1.43	-1.17	-2.23
OUTOKUMPU-AB___DRP 24206	-7.90	-11.59	2.97	5.80	-4.77	-5.46	-4.27	-3.36	11.85	5.05	12.17	21.69	26.16	18.92	17.03	15.17	20.70	29.74	31.84	32.91	23.79	17.95	18.39	8.06
	0.61	0.85	0.08	-0.11	0.05	-0.01	-0.01	-0.04	-0.21	0.00	-0.42	-0.81	-0.98	-0.67	-0.60	-0.61	-1.08	-1.49	-1.74	-1.76	-1.42	-0.99	-0.90	-0.17
	-6.27	-8.98	-5.20	-4.96	-6.74	-7.16	-6.44	-6.58	-3.40	-5.16	2.45	0.66	-1.16	-2.41	-3.03	-3.37	-2.07	-0.17	-0.02	-0.02	-1.59	-2.99	-2.44	-4.66
OXBOW___BTM 323836	-7.85	-11.58	2.93	5.76	-4.79	-5.48	-4.29	-3.37	11.80	5.03	12.21	21.65	26.06	18.85	16.93	15.08	20.57	29.50	31.62	32.66	23.60	17.80	18.24	8.00
	0.66	0.93	0.08	-0.11	0.08	0.03	0.02	-0.01	-0.23	0.02	-0.49	-0.89	-1.06	-0.73	-0.68	-0.68	-1.19	-1.73	-1.97	-2.01	-1.61	-1.12	-1.04	-0.20
	-6.26	-8.91	-5.16	-4.92	-6.69	-7.10	-6.39	-6.53	-3.38	-5.12	2.34	0.61	-1.15	-2.39	-3.00	-3.35	-2.05	-0.17	-0.02	-0.02	-1.58	-2.97	-2.42	-4.62
OXBOW___ 24026	-7.85	-11.58	2.93	5.76	-4.80	-5.48	-4.29	-3.37	11.80	5.02	12.21	21.64	26.05	18.84	16.93	15.08	20.57	29.54	31.62	32.66	23.61	17.80	18.26	8.00
	0.66	0.93	0.08	-0.11	0.08	0.03	0.02	-0.01	-0.23	0.01	-0.49	-0.90	-1.07	-0.73	-0.68	-0.68	-1.20	-1.69	-1.96	-2.01	-1.60	-1.11	-1.02	-0.20
	-6.26	-8.91	-5.16	-4.92	-6.69	-7.10	-6.39	-6.53	-3.38	-5.12	2.34	0.61	-1.15	-2.39	-3.01	-3.35	-2.05	-0.17	-0.02	-0.02	-1.58	-2.97	-2.42	-4.62
OXY_CHEM_DSASP 323612	-7.70	-11.43	2.91	5.71	-4.73	-5.40	-4.23	-3.31	11.68	5.00	12.14	21.42	25.76	18.62	16.72	14.89	20.29	29.13	31.15	32.16	23.25	17.53	18.00	7.91
	0.82	1.15	0.10	-0.12	0.19	0.16	0.13	0.10	-0.32	0.02	-0.68	-1.17	-1.35	-0.93	-0.87	-0.84	-1.46	-2.10	-2.43	-2.52	-1.94	-1.36	-1.26	-0.25
	-6.26	-8.84	-5.12	-4.89	-6.63	-7.05	-6.34	-6.48	-3.35	-5.08	2.22	0.57	-1.14	-2.37	-2.99	-3.32	-2.03	-0.17	-0.01	-0.02	-1.56	-2.94	-2.40	-4.59
OZONE_PARK_ESR 323760	37.12	34.08	30.15	32.33	30.33	31.88	29.29	31.08	30.71	33.16	34.73	34.80	35.00	33.60	34.76	34.55	34.16	34.32	35.83	37.01	35.30	35.87	33.34	33.22
	-0.87	-1.22	-0.12	0.04	-0.67	-0.73	-0.68	-0.61	0.56	0.00	0.98	1.55	1.72	1.21	1.00	0.84	1.39	2.18	2.17	2.23	1.63	1.03	1.09	0.23
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	-7.70	-11.43	2.91	5.71	-4.73	-5.40	-4.23	-3.31	11.68	5.00	12.14	21.42	25.76	18.62	16.72	14.89	20.29	29.13	31.15	32.16	23.25	17.53	18.00	7.91
	0.82	1.15	0.10	-0.12	0.19	0.16	0.13	0.10	-0.32	0.02	-0.68	-1.17	-1.35	-0.93	-0.87	-0.84	-1.46	-2.10	-2.43	-2.52	-1.94	-1.36	-1.26	-0.25
	-6.26	-8.84	-5.12	-4.89	-6.63	-7.05	-6.34	-6.48	-3.35	-5.08	2.22	0.57	-1.14	-2.37	-2.99	-3.32	-2.03	-0.17	-0.01	-0.02	-1.56	-2.94	-2.40	-4.59
PACKARD___115KV_DUPONT_184 80571	-7.70	-11.42	2.91	5.71	-4.73	-5.40	-4.23	-3.31	11.68	5.01	12.14	21.43	25.77	18.63	16.72	14.89	20.30	29.08	31.15	32.16	23.23	17.53	17.99	7.91
	0.81	1.16	0.10	-0.12	0.19	0.16	0.13	0.10	-0.32	0.03	-0.68	-1.16	-1.35	-0.92	-0.87	-0.84	-1.45	-2.15	-2.43	-2.52	-1.96	-1.36	-1.27	-0.25
	-6.26	-8.84	-5.12	-4.89	-6.63	-7.05	-6.34	-6.48	-3.35	-5.08	2.22	0.57	-1.14	-2.37	-2.98	-3.32	-2.03	-0.17	-0.01	-0.02	-1.56	-2.94	-2.40	-4.59
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	37.25	34.22	30.16	32.33	30.42	31.97	29.37	31.16	30.65	33.16	34.60	34.65	34.84	33.51	34.66	34.47	34.03	34.13	35.59	36.73	35.10	35.75	33.26	33.21
	-0.74	-1.09	-0.11	0.04	-0.58	-0.64	-0.60	-0.53	0.50	0.01	0.85	1.40	1.55	1.11	0.90	0.76	1.26	1.98	1.94	1.95	1.43	0.91	1.01	0.21
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	37.04	33.96	30.13	32.34	30.25	31.78	29.21	31.10	30.68	33.16	34.64	34.70	34.89	33.54	34.68	34.50	34.07	34.18	35.66	36.99	35.29	35.87	33.40	33.24
	-0.95	-1.35	-0.14	0.05	-0.75	-0.83	-0.77	-0.59	0.53	0.01	0.89	1.46	1.61	1.15	0.92	0.78	1.30	2.03	2.00	2.21	1.62	1.04	1.14	0.25
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
PATROON_115KV_TB1 80586	45.36	43.08	35.02	36.95	36.91	38.88	35.63	37.52	33.56	38.07	36.95	35.39	35.11	35.11	37.00	37.21	35.24	33.15	34.60	35.69	35.81	38.08	35.05	37.47
	-0.43	-0.62	-0.07	0.03	-0.39	-0.42	-0.36	-0.33	0.23	0.00	0.43	0.65	0.74	0.47	0.40	0.34	0.54	0.85	0.93	0.88	0.65	0.45	0.52	0.13
	-60.57	-65.12	-37.40	-35.98	-48.86	-51.91	-46.68	-47.74	-24.67	-38.17	-21.48	-11.59	-8.39	-17.46	-21.99	-24.45	-14.98	-1.25	-0.11	-0.15	-11.52	-21.68	-17.67	-33.76
PATTRSNVILLE___SOLAR 323815	48.02	45.91	36.68	38.56	39.10	41.19	37.71	39.63	34.71	39.77	37.99	35.98	35.51	35.92	38.02	38.33	35.98	33.40	34.83	36.01	36.52	39.16	35.92	38.97
	-0.47	-0.69	-0.07	0.03	-0.38	-0.42	-0.36	-0.34	0.29	0.00	0.51	0.73	0.77	0.50	0.44	0.38	0.61	1.03	1.15	1.20	0.85	0.57	0.60	0.12
	-63.27	-68.02	-39.07	-37.58	-51.03	-54.22	-48.77	-49.87	-25.77	-39.87	-22.44	-12.10	-8.76	-18.23	-22.97	-25.54	-15.65	-1.30	-0.11	-0.15	-12.04	-22.64	-18.46	-35.26
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	-6.87	-10.56	3.42	6.22	-4.05	-4.69	-3.59	-2.68	12.05	5.47	12.03	21.57	26.09	19.03	17.24	15.42	20.87	29.79	31.90	33.00	23.97	18.23	18.58	8.44
	0.82	1.16	0.11	-0.09	0.23	0.18	0.15	0.10	-0.28	0.00	-0.45	-0.90	-1.14	-0.76	-0.64	-0.63	-1.08	-1.46	-1.69	-1.68	-1.37	-0.95	-0.92	-0.18
	-7.08	-9.71	-5.62	-5.36	-7.28	-7.74	-6.96	-7.12	-3.68	-5.58	2.56	0.67	-1.25	-2.60	-3.28	-3.65	-2.23	-0.19	-0.02	-0.02	-1.72	-3.23	-2.64	-5.03

PAWLING_115_KV_BK3_REV_LBMP_H 345028	37.63 -0.83 -53.24	34.63 -1.18 -57.24	30.44 -0.12 -32.87	32.61 0.04 -31.63	30.75 -0.64 -42.94	32.31 -0.70 -45.62	29.70 -0.64 -41.03	31.48 -0.58 -41.96	30.86 0.52 -21.69	33.45 0.00 -33.55	34.90 0.98 -18.88	34.86 1.53 -10.18	35.04 1.69 -7.37	33.70 1.17 -15.34	34.90 0.97 -19.33	34.72 0.81 -21.49	34.23 1.34 -13.17	34.27 2.11 -1.10	35.78 2.12 -0.09	36.94 2.15 -0.13	35.32 1.57 -10.13	36.00 0.99 -19.06	33.41 1.02 -15.53	33.47 0.21 -29.67
PEEKSKILL____ 23653	36.99 -0.74 -52.51	33.98 -1.05 -56.46	30.01 -0.11 -32.42	32.18 0.04 -31.19	30.22 -0.58 -42.36	31.76 -0.63 -45.00	29.20 -0.58 -40.47	30.97 -0.52 -41.39	30.50 0.45 -21.39	32.99 0.00 -33.09	34.50 0.84 -18.62	34.51 1.31 -10.04	34.70 1.45 -7.27	33.34 1.02 -15.13	34.52 0.85 -19.06	34.32 0.71 -21.20	33.88 1.18 -12.99	33.98 1.84 -1.08	35.47 1.81 -0.09	36.63 1.85 -0.13	34.98 1.36 -9.99	35.61 0.86 -18.79	33.07 0.89 -15.32	33.04 0.19 -29.27
PGE MADISON__WINDPWR 24146	2.47 -0.41 -17.65	-3.28 -0.44 -18.58	8.35 0.02 -10.64	11.19 -0.03 -10.27	2.16 -0.22 -13.94	1.93 -0.27 -14.81	2.42 -0.21 -13.32	3.28 -0.45 -13.62	15.95 0.26 -7.04	10.79 -0.01 -10.91	22.54 0.40 -7.10	27.29 0.42 -3.71	28.66 0.30 -2.39	22.44 0.27 -4.98	20.99 0.11 -6.27	19.44 0.05 -6.98	24.22 0.23 -4.28	32.14 0.73 -0.36	34.61 1.01 -0.03	36.12 1.42 -0.04	27.98 1.07 -3.29	22.72 0.59 -6.19	22.40 0.50 -5.05	13.35 0.14 -9.63
PIERCEFIELD____HYD 23852	-13.74 0.18 -0.85	-20.22 0.29 -0.91	-1.76 0.03 -0.52	1.46 0.01 -0.50	-10.61 0.27 -0.68	-11.56 0.32 -0.72	-9.77 0.27 -0.65	-8.97 0.26 -0.67	8.82 -0.18 -0.34	0.42 0.00 -0.53	14.92 -0.42 -0.30	22.73 -0.59 -0.16	25.47 -0.62 -0.12	17.04 -0.39 -0.24	14.59 -0.32 -0.31	12.50 -0.25 -0.34	19.46 -0.47 -0.21	30.37 -0.71 -0.02	32.89 -0.68 0.00	34.08 -0.58 0.00	23.41 -0.38 -0.16	16.08 -0.16 -0.30	16.89 -0.21 -0.25	3.99 -0.05 -0.47
PINELAWN_CC_1 323563	36.95 -1.04 -52.77	33.86 -1.45 -56.74	30.13 -0.14 -32.59	32.35 0.05 -31.35	30.26 -0.75 -42.57	31.87 -0.75 -45.22	29.25 -0.73 -40.67	31.04 -0.66 -41.59	30.70 0.55 -21.50	33.16 0.01 -33.26	35.01 1.26 -18.71	35.20 1.95 -10.09	35.40 2.11 -7.31	33.86 1.46 -15.21	35.04 1.28 -19.16	34.75 1.03 -21.30	34.45 1.68 -13.05	34.76 2.61 -1.09	36.10 2.44 -0.09	37.49 2.70 -0.13	35.60 1.93 -10.04	36.01 1.17 -18.89	33.51 1.25 -15.40	33.24 0.25 -29.41
PJM_GEN_HTP_PROXY 323702	37.22 -0.76 -52.76	34.24 -1.07 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.59 -42.56	31.97 -0.64 -45.22	29.37 -0.60 -40.67	31.15 -0.54 -41.59	30.64 0.49 -21.49	33.15 0.00 -33.25	34.61 0.86 -18.71	34.60 1.35 -10.09	34.78 1.49 -7.31	33.46 1.07 -15.21	34.64 0.88 -19.16	34.45 0.74 -21.30	33.99 1.22 -13.05	34.07 1.92 -1.09	35.54 1.88 -0.09	36.72 1.93 -0.13	35.09 1.42 -10.04	35.73 0.89 -18.89	33.19 0.94 -15.40	33.19 0.20 -29.41
PJM_GEN_KEystone 24065	17.50 0.06 -32.22	13.88 0.05 -35.26	17.95 0.01 -20.25	20.41 -0.02 -19.48	14.75 -0.14 -26.45	15.29 -0.20 -28.10	14.39 -0.20 -25.28	15.77 -0.18 -25.85	20.54 0.08 -13.36	25.33 0.00 -20.64	28.98 0.16 -10.13	30.64 0.12 -5.65	26.75 0.11 -4.55	26.59 0.07 -9.45	25.71 0.05 -11.91	27.90 0.07 -13.24	31.85 0.12 -8.11	33.61 -0.01 -0.68	34.74 0.00 -0.06	29.86 0.00 -0.08	27.65 -0.04 -6.24	26.38 -0.05 -11.74	21.98 0.01 -9.57	-18.40
PJM_GEN_NEPTUNE_PROXY 323594	37.14 -0.85 -52.77	34.13 -1.19 -56.74	30.16 -0.11 -32.59	32.33 0.04 -31.35	30.39 -0.62 -42.57	32.00 -0.61 -45.22	29.37 -0.60 -40.67	31.15 -0.54 -41.59	30.60 0.45 -21.50	33.16 0.00 -33.26	34.78 1.02 -18.71	34.85 1.60 -10.09	35.02 1.74 -7.31	33.60 1.21 -15.21	34.83 1.07 -19.16	34.57 0.85 -21.30	34.17 1.40 -13.05	34.31 2.16 -1.09	35.62 1.96 -0.09	36.97 2.19 -0.13	35.26 1.59 -10.04	35.80 0.96 -18.89	33.27 1.02 -15.40	33.19 0.20 -29.41
PJM_GEN_VFT_PROXY 323633	37.26 -0.72 -52.77	34.31 -1.00 -56.73	30.17 -0.10 -32.58	32.33 0.04 -31.35	30.45 -0.55 -42.56	32.01 -0.60 -45.22	29.40 -0.58 -40.67	31.19 -0.51 -41.59	30.62 0.47 -21.50	33.15 0.00 -33.25	34.55 0.80 -18.71	34.50 1.25 -10.09	34.67 1.39 -7.31	33.39 1.00 -15.21	34.58 0.82 -19.16	34.40 0.68 -21.30	33.92 1.15 -13.05	33.95 1.80 -1.09	35.41 1.75 -0.09	36.59 1.81 -0.13	35.01 1.34 -10.04	35.67 0.84 -18.89	33.14 0.88 -15.40	33.18 0.19 -29.41
PLATSBURG_115KV_PMLD1 355749	-14.88 -0.10 0.00	-21.49 -0.07 0.00	-2.32 0.00 0.00	0.97 0.03 0.00	-11.41 0.15 0.00	-12.39 0.22 0.00	-10.48 0.21 0.00	-9.68 0.22 0.00	8.50 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.79 -0.36 -0.37	25.61 -0.37 0.00	16.96 -0.22 0.00	14.44 -0.16 0.00	12.34 -0.08 0.00	19.56 -0.15 0.00	30.88 -0.18 0.00	33.48 -0.08 0.00	34.65 0.00 0.00	23.70 0.07 0.00	16.00 0.06 0.00	16.88 0.03 0.00	3.58 0.00 0.00
PLEASANTVLY____LBMP 24000	38.75 -0.66 -54.18	35.88 -0.95 -58.26	31.05 -0.10 -33.46	33.17 0.03 -32.19	31.63 -0.52 -43.71	33.26 -0.57 -46.44	30.55 -0.52 -41.77	32.35 -0.46 -42.71	31.14 0.41 -22.07	34.05 0.00 -34.15	35.03 0.77 -19.22	34.74 1.22 -10.36	34.83 1.35 -7.51	33.74 0.94 -15.62	35.05 0.78 -19.67	34.94 0.65 -21.87	34.20 1.08 -13.40	33.86 1.69 -1.12	35.32 1.66 -0.10	36.46 1.67 -0.13	35.17 1.24 -10.31	36.13 0.79 -19.40	33.49 0.82 -15.81	33.96 0.17 -30.20
PLSNTVLE_13_KV_13.8KVDIST 80602	37.47 -0.80 -53.04	34.47 -1.14 -57.03	30.33 -0.12 -32.75	32.50 0.04 -31.51	30.61 -0.62 -42.78	32.17 -0.68 -45.45	29.56 -0.62 -40.88	31.35 -0.56 -41.81	30.76 0.49 -21.61	33.33 0.00 -33.43	34.76 0.91 -18.81	34.73 1.43 -10.15	34.90 1.58 -7.35	33.58 1.10 -15.29	34.78 0.91 -19.26	34.59 0.77 -21.41	34.10 1.27 -13.12	34.12 1.97 -1.09	35.62 1.96 -0.09	36.81 2.02 -0.13	35.21 1.49 -10.09	35.88 0.94 -18.98	33.31 0.98 -15.48	33.35 0.21 -29.57
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	37.47 -0.80 -53.04	34.47 -1.14 -57.03	30.33 -0.12 -32.75	32.50 0.04 -31.51	30.61 -0.62 -42.78	32.17 -0.68 -45.45	29.56 -0.62 -40.88	31.35 -0.56 -41.81	30.76 0.49 -21.61	33.33 0.00 -33.43	34.76 0.91 -18.81	34.73 1.43 -10.15	34.90 1.58 -7.35	33.58 1.10 -15.29	34.78 0.91 -19.26	34.59 0.77 -21.41	34.10 1.27 -13.12	34.12 1.97 -1.09	35.62 1.96 -0.09	36.81 2.02 -0.13	35.21 1.49 -10.09	35.88 0.94 -18.98	33.31 0.98 -15.48	33.35 0.21 -29.57
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	38.28 -0.76 -53.82	35.35 -1.09 -57.86	30.81 -0.11 -33.23	32.96 0.04 -31.97	31.26 -0.59 -43.41	32.86 -0.65 -46.12	30.20 -0.59 -41.48	31.99 -0.53 -42.42	31.05 0.47 -21.92	33.81 0.00 -33.92	35.02 0.89 -19.08	34.84 1.39 -10.29	34.97 1.54 -7.45	33.75 1.05 -15.51	35.02 0.88 -19.54	34.88 0.74 -21.73	34.26 1.23 -13.31	34.09 1.92 -1.11	35.61 1.95 -0.09	36.75 1.96 -0.13	35.29 1.42 -10.24	36.12 0.91 -19.26	33.51 0.95 -15.70	33.78 0.20 -30.00
POLETTI____ 23519	37.23 -0.76 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.37 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.85 -18.71	34.60 1.35 -10.09	34.78 1.50 -7.31	33.47 1.07 -15.21	34.64 0.88 -19.16	34.45 0.73 -21.30	34.00 1.23 -13.05	34.06 1.91 -1.09	35.54 1.88 -0.09	36.72 1.94 -0.13	35.10 1.43 -10.04	35.73 0.90 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41

POMONA___ESR 323819	36.35 -0.78 -51.91	33.27 -1.11 -55.81	29.63 -0.11 -32.05	31.81 0.04 -30.84	29.70 -0.61 -41.87	31.21 -0.66 -44.48	28.71 -0.61 -40.01	30.47 -0.54 -40.91	30.27 0.47 -21.14	32.61 0.00 -32.71	34.31 0.87 -18.41	34.44 1.36 -9.93	34.67 1.50 -7.19	33.20 1.06 -14.96	34.33 0.88 -18.84	34.11 0.74 -20.95	33.77 1.22 -12.84	34.03 1.91 -1.07	35.53 1.87 -0.09	36.70 1.92 -0.13	34.92 1.42 -9.88	35.43 0.90 -18.58	32.93 0.92 -15.14	32.71 0.20 -28.93
PORT_JEFF_3 23555	36.87 -1.13 -52.77	33.74 -1.57 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.22 -0.78 -42.57	31.84 -0.77 -45.22	29.22 -0.75 -40.67	31.01 -0.68 -41.59	30.72 0.57 -21.50	33.16 0.01 -33.26	35.08 1.33 -18.71	35.29 2.05 -10.09	35.51 2.22 -7.31	33.92 1.52 -15.21	35.14 1.38 -19.16	34.81 1.09 -21.30	34.55 1.78 -13.05	34.92 2.77 -1.09	36.20 2.54 -0.09	37.65 2.87 -0.13	35.70 2.03 -10.04	36.06 1.22 -18.89	33.58 1.32 -15.40	33.24 0.25 -29.41
PORT_JEFF_4 23616	36.87 -1.13 -52.77	33.74 -1.57 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.22 -0.78 -42.57	31.84 -0.77 -45.22	29.22 -0.75 -40.67	31.01 -0.68 -41.59	30.72 0.57 -21.50	33.16 0.01 -33.26	35.08 1.33 -18.71	35.29 2.05 -10.09	35.51 2.22 -7.31	33.92 1.52 -15.21	35.14 1.38 -19.16	34.81 1.09 -21.30	34.55 1.78 -13.05	34.92 2.77 -1.09	36.20 2.54 -0.09	37.65 2.87 -0.13	35.70 2.03 -10.04	36.06 1.22 -18.89	33.58 1.32 -15.40	33.24 0.25 -29.41
PORT_JEFF_IC 23713	36.85 -1.14 -52.77	33.72 -1.59 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	31.00 -0.70 -41.59	30.73 0.58 -21.50	33.16 0.01 -33.26	35.10 1.35 -18.71	35.33 2.09 -10.09	35.55 2.27 -7.31	33.94 1.55 -15.21	35.16 1.40 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.96 2.82 -1.09	36.24 2.58 -0.09	37.71 2.92 -0.13	35.74 2.07 -10.04	36.08 1.24 -18.89	33.60 1.34 -15.40	33.25 0.25 -29.41
PPL PILGRIM_ST_GT1 24216	36.85 -1.15 -52.77	33.72 -1.59 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.20 -0.81 -42.57	31.81 -0.80 -45.22	29.19 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.10 1.34 -18.71	35.35 2.10 -10.09	35.55 2.27 -7.31	33.96 1.56 -15.21	35.15 1.39 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.97 2.82 -1.09	36.24 2.58 -0.09	37.69 2.91 -0.13	35.73 2.06 -10.04	36.09 1.25 -18.89	33.61 1.35 -15.40	33.25 0.26 -29.41
PPL PILGRIM_ST_GT2 24217	36.85 -1.15 -52.77	33.72 -1.59 -56.74	30.12 -0.15 -32.59	32.35 0.06 -31.35	30.20 -0.81 -42.57	31.81 -0.80 -45.22	29.19 -0.78 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.10 1.34 -18.71	35.35 2.10 -10.09	35.55 2.27 -7.31	33.96 1.56 -15.21	35.15 1.39 -19.16	34.83 1.12 -21.30	34.59 1.82 -13.05	34.97 2.82 -1.09	36.24 2.58 -0.09	37.69 2.91 -0.13	35.73 2.06 -10.04	36.09 1.25 -18.89	33.61 1.35 -15.40	33.25 0.26 -29.41
PPL_SHRM_GT3 24213	36.79 -1.20 -52.77	33.62 -1.69 -56.74	30.11 -0.16 -32.59	32.36 0.07 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.38 -18.71	35.32 2.07 -10.09	35.53 2.24 -7.31	33.93 1.53 -15.21	35.20 1.44 -19.16	34.86 1.14 -21.30	34.63 1.86 -13.05	35.06 2.92 -1.09	36.35 2.69 -0.09	37.81 3.03 -0.13	35.80 2.13 -10.04	36.11 1.28 -18.89	33.63 1.38 -15.40	33.25 0.25 -29.41
PPL_SHRM_GT4 24214	36.79 -1.20 -52.77	33.62 -1.69 -56.74	30.11 -0.16 -32.59	32.36 0.07 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.38 -18.71	35.32 2.07 -10.09	35.53 2.24 -7.31	33.93 1.53 -15.21	35.20 1.44 -19.16	34.86 1.14 -21.30	34.63 1.86 -13.05	35.06 2.92 -1.09	36.35 2.69 -0.09	37.81 3.03 -0.13	35.80 2.13 -10.04	36.11 1.28 -18.89	33.63 1.38 -15.40	33.25 0.25 -29.41
PROJECT___ORANGE 1 24174	-9.60 0.15 -5.03	-15.82 0.20 -5.40	0.82 0.02 -3.10	3.91 -0.02 -2.98	-7.44 0.06 -4.05	-8.25 0.05 -4.31	-6.78 0.04 -3.87	-5.91 0.02 -3.96	10.65 -0.05 -2.05	3.06 0.00 -3.17	16.74 -0.08 -1.78	23.97 -0.15 -0.96	26.48 -0.20 -0.70	18.49 -0.14 -1.45	16.30 -0.13 -1.82	14.33 -0.11 -2.03	20.79 -0.17 -1.24	30.94 -0.22 -0.10	33.32 -0.26 -0.01	34.42 -0.25 -0.01	24.44 -0.14 -0.96	17.64 -0.10 -1.80	18.19 -0.13 -1.47	6.35 -0.03 -2.80
PROJECT___ORANGE 2 24166	-9.60 0.15 -5.03	-15.82 0.20 -5.40	0.82 0.02 -3.10	3.91 -0.02 -2.98	-7.44 0.06 -4.05	-8.25 0.05 -4.31	-6.78 0.04 -3.87	-5.91 0.02 -3.96	10.65 -0.05 -2.05	3.06 0.00 -3.17	16.74 -0.08 -1.78	23.97 -0.15 -0.96	26.48 -0.20 -0.70	18.49 -0.14 -1.45	16.30 -0.13 -1.82	14.33 -0.11 -2.03	20.79 -0.17 -1.24	30.94 -0.22 -0.10	33.32 -0.26 -0.01	34.42 -0.25 -0.01	24.44 -0.14 -0.96	17.64 -0.10 -1.80	18.19 -0.13 -1.47	6.35 -0.03 -2.80
PUCKETT___SOLAR 323809	3.64 -0.17 -18.59	-1.70 -0.26 -19.98	9.13 0.01 -11.43	11.98 0.00 -11.04	3.30 -0.13 -14.99	3.15 -0.17 -15.93	3.51 -0.13 -14.33	4.54 -0.21 -14.65	16.30 0.07 -7.57	11.61 0.00 -11.72	21.77 0.13 -6.59	26.83 0.12 -3.55	28.56 0.01 -2.58	22.59 0.04 -5.36	21.36 0.00 -6.75	19.91 -0.01 -7.50	24.38 0.06 -4.60	31.64 0.20 -0.38	33.92 0.32 -0.03	35.10 0.40 -0.04	27.46 0.29 -3.54	22.78 0.18 -6.65	22.42 0.13 -5.42	13.98 0.04 -10.36
PYRITES___HYD 24023	-14.08 -0.08 -0.78	-20.67 -0.09 -0.84	-1.84 -0.01 -0.48	1.44 0.03 -0.46	-10.86 0.07 -0.63	-11.84 0.10 -0.67	-10.01 0.08 -0.60	-9.19 0.09 -0.62	8.94 -0.04 -0.32	0.38 -0.01 -0.49	15.06 -0.26 -0.28	22.90 -0.39 -0.15	25.75 -0.34 -0.11	17.22 -0.19 -0.22	14.74 -0.15 -0.28	12.66 -0.07 -0.31	19.79 -0.12 -0.19	30.98 -0.10 -0.02	33.53 -0.04 0.00	34.78 0.12 0.00	23.87 0.09 -0.15	16.36 0.13 -0.28	17.18 0.10 -0.23	4.02 0.00 -0.44
QUAKERRD_115KV_BK1 80622	-7.99 0.55 -6.24	-13.93 0.78 -6.71	1.66 0.08 -3.90	4.59 -0.06 -3.71	-6.27 0.25 -5.04	-7.02 0.24 -5.35	-5.69 0.20 -4.81	-4.82 0.16 -4.92	10.95 -0.24 -2.54	3.82 -0.01 -3.93	16.80 -0.45 -2.21	23.58 -0.77 -1.19	25.94 -0.90 -0.86	18.40 -0.59 -1.80	16.37 -0.50 -2.27	14.49 -0.45 -2.52	20.50 -0.76 -1.55	30.13 -1.06 -0.13	32.41 -1.17 -0.01	33.47 -1.20 -0.01	23.96 -0.85 -1.19	17.61 -0.57 -2.23	18.07 -0.61 -1.82	6.93 -0.13 -3.48
QUENSBRY_115KV_TB8 356137	45.98 -1.10 -61.86	43.69 -1.39 -66.51	35.73 -0.15 -38.20	37.76 0.07 -36.75	37.56 -0.78 -49.90	39.51 -0.89 -53.01	36.21 -0.78 -47.68	38.15 -0.71 -48.76	34.47 0.62 -25.20	38.88 0.00 -38.99	38.13 1.15 -21.94	36.66 1.68 -11.83	36.43 1.89 -8.57	36.16 1.15 -17.83	38.04 0.97 -22.46	38.26 0.87 -24.97	36.54 1.52 -15.30	34.83 2.50 -1.27	36.54 2.86 -0.11	37.69 2.89 -0.15	37.28 1.88 -11.77	39.44 1.35 -22.14	36.29 1.38 -18.05	38.35 0.29 -34.48
RAMAPO___LBMP 323565	36.21 -0.72 -51.71	33.13 -1.03 -55.59	29.51 -0.10 -31.93	31.69 0.03 -30.72	29.58 -0.57 -41.71	31.08 -0.62 -44.31	28.59 -0.57 -39.85	30.34 -0.51 -40.75	30.16 0.44 -21.06	32.48 0.00 -32.59	34.18 0.80 -18.34	34.31 1.26 -9.89	34.53 1.39 -7.16	33.07 0.98 -14.90	34.20 0.82 -18.77	33.97 0.69 -20.87	33.64 1.14 -12.79	33.89 1.76 -1.06	35.40 1.74 -0.09	36.56 1.78 -0.13	34.78 1.32 -9.84	35.29 0.84 -18.51	32.81 0.86 -15.09	32.58 0.18 -28.82



RANKINE_____	-7.69	-10.86	3.31	6.12	-4.24	-4.91	-3.77	-2.88	12.01	5.34	11.23	21.28	26.19	19.06	17.27	15.45	20.95	29.92	32.03	33.15	24.06	18.27	18.63	8.36
23646	0.74	1.03	0.10	-0.10	0.16	0.10	0.09	0.03	-0.25	-0.01	-0.45	-0.85	-1.01	-0.68	-0.55	-0.55	-0.96	-1.32	-1.55	-1.52	-1.25	-0.86	-0.82	-0.15
	-6.35	-9.53	-5.52	-5.27	-7.15	-7.60	-6.83	-6.99	-3.61	-5.46	3.37	1.02	-1.23	-2.55	-3.22	-3.58	-2.19	-0.18	-0.02	-0.02	-1.69	-3.17	-2.59	-4.94
RAVENSWOOD_GT2_1	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.45	34.00	34.07	35.55	36.73	35.10	35.74	33.21	33.19
24244	-0.76	-1.08	-0.11	0.04	-0.60	-0.65	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.88	0.74	1.23	1.92	1.89	1.95	1.43	0.90	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT2_2	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.45	34.00	34.07	35.55	36.73	35.10	35.74	33.21	33.19
24245	-0.76	-1.08	-0.11	0.04	-0.60	-0.65	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.88	0.74	1.23	1.92	1.89	1.95	1.43	0.90	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT2_3	37.22	34.22	30.16	32.33	30.40	31.96	29.36	31.14	30.65	33.16	34.62	34.61	34.80	33.47	34.65	34.46	34.01	34.08	35.57	36.74	35.11	35.75	33.21	33.19
24246	-0.77	-1.09	-0.11	0.04	-0.60	-0.65	-0.61	-0.55	0.50	0.00	0.87	1.37	1.52	1.08	0.89	0.74	1.24	1.93	1.91	1.95	1.44	0.91	0.96	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT2_4	37.22	34.22	30.16	32.33	30.40	31.96	29.36	31.14	30.65	33.16	34.62	34.61	34.80	33.47	34.65	34.46	34.01	34.08	35.57	36.74	35.11	35.75	33.21	33.19
24247	-0.77	-1.09	-0.11	0.04	-0.60	-0.65	-0.61	-0.55	0.50	0.00	0.87	1.37	1.52	1.08	0.89	0.74	1.24	1.93	1.91	1.95	1.44	0.91	0.96	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT3_1	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.46	34.00	34.07	35.55	36.74	35.10	35.74	33.21	33.19
24248	-0.76	-1.08	-0.11	0.04	-0.60	-0.65	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.89	0.74	1.23	1.92	1.89	1.95	1.43	0.91	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT3_2	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.46	34.00	34.07	35.55	36.74	35.10	35.74	33.21	33.19
24249	-0.76	-1.08	-0.11	0.04	-0.60	-0.65	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.89	0.74	1.23	1.92	1.89	1.95	1.43	0.91	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT3_3	37.21	34.20	30.16	32.33	30.39	31.95	29.35	31.14	30.66	33.16	34.63	34.64	34.83	33.49	34.66	34.47	34.03	34.11	35.60	36.77	35.14	35.76	33.23	33.20
24250	-0.78	-1.11	-0.11	0.04	-0.61	-0.66	-0.63	-0.56	0.51	0.01	0.88	1.39	1.54	1.10	0.90	0.76	1.26	1.96	1.94	1.99	1.47	0.93	0.98	0.21
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT3_4	37.21	34.20	30.16	32.33	30.39	31.95	29.35	31.14	30.66	33.16	34.63	34.64	34.83	33.49	34.66	34.47	34.03	34.11	35.60	36.77	35.14	35.76	33.23	33.20
24251	-0.78	-1.11	-0.11	0.04	-0.61	-0.66	-0.63	-0.56	0.51	0.01	0.88	1.39	1.54	1.10	0.90	0.76	1.26	1.96	1.94	1.99	1.47	0.93	0.98	0.21
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT_1	37.23	34.22	30.16	32.34	30.39	31.94	29.35	31.14	30.67	33.16	34.62	34.64	34.82	33.50	34.66	34.47	34.03	34.11	35.59	36.76	35.13	35.76	33.25	33.20
23729	-0.76	-1.09	-0.11	0.04	-0.61	-0.67	-0.63	-0.56	0.52	0.01	0.86	1.40	1.54	1.11	0.90	0.75	1.26	1.97	1.93	1.97	1.46	0.92	0.99	0.21
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT_10	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.46	34.00	34.07	35.55	36.74	35.10	35.74	33.21	33.19
24258	-0.77	-1.08	-0.11	0.04	-0.60	-0.65	-0.61	-0.54	0.50	0.00	0.86	1.36	1.51	1.07	0.89	0.74	1.23	1.92	1.89	1.95	1.43	0.91	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT_11	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.46	34.00	34.07	35.55	36.74	35.10	35.74	33.21	33.19
24259	-0.77	-1.08	-0.11	0.04	-0.60	-0.65	-0.61	-0.54	0.50	0.00	0.86	1.36	1.51	1.07	0.89	0.74	1.23	1.92	1.89	1.95	1.43	0.91	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT_4	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.45	34.00	34.07	35.55	36.73	35.10	35.74	33.21	33.19
24252	-0.77	-1.08	-0.11	0.04	-0.60	-0.64	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.88	0.74	1.23	1.92	1.89	1.95	1.43	0.90	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT_5	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.45	34.00	34.07	35.55	36.73	35.10	35.74	33.21	33.19
24254	-0.77	-1.08	-0.11	0.04	-0.60	-0.64	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.88	0.74	1.23	1.92	1.89	1.95	1.43	0.90	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41
RAVENSWOOD_GT_6	37.22	34.23	30.16	32.33	30.41	31.96	29.36	31.15	30.65	33.15	34.61	34.61	34.79	33.47	34.65	34.45	34.00	34.07	35.55	36.73	35.10	35.74	33.21	33.19
24253	-0.77	-1.08	-0.11	0.04	-0.60	-0.64	-0.61	-0.54	0.50	0.00	0.86	1.36	1.50	1.07	0.88	0.74	1.23	1.92	1.89	1.95	1.43	0.90	0.95	0.20
	-52.77	-56.73	-32.58	-31.35	-42.56	-45.22	-40.67	-41.59	-21.50	-33.25	-18.71	-10.09	-7.31	-15.21	-19.16	-21.30	-13.05	-1.09	-0.09	-0.13	-10.04	-18.89	-15.40	-29.41

RAVENSWOOD_GT_7 24255	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.61 1.36 -10.09	34.79 1.50 -7.31	33.47 1.07 -15.21	34.65 0.88 -19.16	34.45 0.74 -21.30	34.00 1.23 -13.05	34.07 1.92 -1.09	35.55 1.89 -0.09	36.73 1.95 -0.13	35.10 1.43 -10.04	35.74 0.90 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.61 1.36 -10.09	34.79 1.51 -7.31	33.47 1.07 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.00 1.23 -13.05	34.07 1.92 -1.09	35.55 1.89 -0.09	36.74 1.95 -0.13	35.10 1.43 -10.04	35.74 0.91 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
RAVENSWOOD_GT_9 24257	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.15 0.00 -33.25	34.61 0.86 -18.71	34.61 1.36 -10.09	34.79 1.51 -7.31	33.47 1.07 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.00 1.23 -13.05	34.07 1.92 -1.09	35.55 1.89 -0.09	36.74 1.95 -0.13	35.10 1.43 -10.04	35.74 0.91 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
RAVENSWOOD___1 23533	37.22 -0.77 -52.77	34.22 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.61 0.86 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.48 1.08 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.09 1.95 -1.09	35.56 1.90 -0.09	36.74 1.95 -0.13	35.10 1.44 -10.04	35.74 0.91 -18.89	33.22 0.96 -15.40	33.19 0.20 -29.41
RAVENSWOOD___2 23534	37.22 -0.77 -52.77	34.22 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.61 0.86 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.48 1.08 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.09 1.95 -1.09	35.56 1.90 -0.09	36.74 1.95 -0.13	35.10 1.44 -10.04	35.74 0.91 -18.89	33.22 0.96 -15.40	33.19 0.20 -29.41
RAVENSWOOD___3 23535	37.22 -0.77 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.65 -45.22	29.37 -0.61 -40.67	31.16 -0.65 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.62 0.86 -18.71	34.61 1.36 -10.09	34.79 1.51 -7.31	33.47 1.07 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.00 1.24 -13.05	34.08 1.93 -1.09	35.55 1.89 -0.09	36.74 1.95 -0.13	35.11 1.44 -10.04	35.74 0.91 -18.89	33.21 0.95 -15.40	33.19 0.20 -29.41
RAVENSWOOD___4 23820	37.22 -0.77 -52.77	34.22 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.00 -33.25	34.61 0.86 -18.71	34.61 1.37 -10.09	34.80 1.51 -7.31	33.48 1.08 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.09 1.95 -1.09	35.56 1.90 -0.09	36.74 1.95 -0.13	35.10 1.44 -10.04	35.74 0.91 -18.89	33.22 0.96 -15.40	33.19 0.20 -29.41
RCPL_TRUST___DRP 24196	37.15 -0.84 -52.76	34.13 -1.18 -56.73	30.15 -0.12 -32.58	32.34 0.05 -31.35	30.35 -0.65 -42.56	31.90 -0.71 -45.22	29.31 -0.67 -40.67	31.09 -0.60 -41.59	30.69 0.54 -21.49	33.15 0.00 -33.25	34.71 0.96 -18.71	34.76 1.52 -10.09	34.96 1.67 -7.31	33.58 1.18 -15.21	34.75 0.99 -19.16	34.54 0.83 -21.30	34.14 1.37 -13.05	34.28 2.14 -1.09	35.78 2.12 -0.09	36.96 2.18 -0.13	35.26 1.59 -10.04	35.84 1.01 -18.89	33.31 1.06 -15.40	33.21 0.22 -29.41
RED___ROCHESTER 323720	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.24 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.18 -0.20 -1.23	26.59 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.87 -0.32 -0.13	33.24 -0.33 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58
REGAN___SOLAR 323812	50.11 -0.68 -65.57	48.09 -0.99 -70.50	38.08 -0.10 -40.49	39.94 0.04 -38.95	40.82 -0.51 -52.89	43.00 -0.58 -56.19	39.34 -0.50 -50.54	41.30 -0.49 -51.68	35.80 0.43 -26.71	41.21 0.00 -41.32	39.06 0.77 -23.25	36.72 1.03 -12.54	36.09 1.03 -9.08	36.77 0.69 -18.90	39.03 0.62 -23.80	39.41 0.53 -26.47	36.79 0.85 -16.22	33.94 1.53 -1.35	35.47 1.79 -0.12	36.73 1.91 -0.16	37.44 1.33 -12.47	40.28 0.87 -23.47	36.88 0.89 -19.13	40.31 0.18 -36.55
RENSSELAER___COGEN 23796	44.94 -0.36 -60.07	42.64 -0.53 -64.59	34.72 -0.06 -37.09	36.66 0.03 -35.69	36.56 -0.34 -48.46	38.50 -0.37 -51.48	35.30 -0.31 -46.30	37.18 -0.28 -47.35	33.32 0.19 -24.47	37.76 0.00 -37.86	36.69 0.35 -21.30	35.18 0.53 -11.49	34.90 0.60 -8.32	34.88 0.38 -17.32	36.74 0.33 -21.81	36.94 0.27 -24.25	35.01 0.44 -14.86	32.98 0.68 -1.24	34.43 0.75 -0.11	35.49 0.69 -0.15	35.59 0.53 -11.43	37.82 0.37 -21.50	34.82 0.43 -17.53	37.18 0.11 -33.49
REPUBLIC_115KV_BARTNBRK 55605	45.34 -1.73 -61.84	42.99 -2.07 -66.49	35.65 -0.22 -38.18	37.79 0.11 -36.73	37.16 -1.16 -49.88	39.03 -1.35 -52.99	35.76 -1.21 -47.66	37.79 -1.06 -48.74	34.76 0.91 -25.19	38.87 0.00 -38.97	38.80 1.83 -21.93	37.53 2.54 -11.83	37.60 3.06 -8.57	36.80 1.79 -17.82	38.59 1.54 -22.45	38.77 1.39 -24.96	37.37 2.36 -15.29	36.21 3.87 -1.27	38.13 4.45 -0.11	39.29 4.49 -0.15	38.34 2.95 -11.77	40.25 2.18 -22.13	37.13 2.23 -18.04	38.51 0.47 -34.47
REVERE_CPPR_DRP 24186	-12.00 -0.26 -3.04	-18.52 -0.36 -3.27	-0.47 -0.04 -1.88	2.77 0.01 -1.81	-9.30 -0.19 -2.45	-10.21 -0.21 -2.61	-8.55 -0.20 -2.34	-7.71 -0.21 -2.40	10.08 0.18 -1.24	1.80 -0.01 -1.91	16.41 0.29 -1.08	24.16 0.42 -0.58	26.86 0.47 -0.42	18.34 0.28 -0.88	15.94 0.23 -1.10	13.84 0.20 -1.23	20.89 0.43 -0.75	31.90 0.77 -0.06	34.52 0.95 0.00	35.72 1.06 -0.01	25.00 0.79 -0.58	17.58 0.55 -1.09	18.22 0.47 -0.89	5.37 0.10 -1.69
REYNLDDPA_13_KV_LD 356490	-14.82 -0.04 0.00	-21.47 -0.04 0.00	-2.32 -0.01 0.00	0.96 0.02 0.00	-11.50 0.05 0.00	-12.53 0.08 0.00	-10.63 0.07 0.00	-9.82 0.07 0.00	8.63 -0.03 0.00	-0.11 0.00 0.00	14.94 -0.11 0.00	23.03 -0.12 0.00	25.88 -0.09 0.00	17.14 -0.05 0.00	14.58 -0.02 0.00	12.40 -0.01 0.00	19.67 -0.05 0.00	30.95 -0.11 0.00	33.47 -0.10 0.00	34.59 -0.06 0.00	23.56 -0.07 0.00	15.91 -0.03 0.00	16.83 -0.03 0.00	3.56 -0.01 0.00
REYNOLDS_115KV_TB3 80639	44.96 -0.46 -60.20	42.67 -0.63 -64.72	34.78 -0.07 -37.17	36.74 0.03 -35.76	36.60 -0.40 -48.56	38.55 -0.43 -51.59	35.33 -0.37 -46.40	37.22 -0.34 -47.45	33.42 0.24 -24.52	37.84 0.00 -37.94	36.85 0.46 -21.35	35.37 0.70 -11.52	35.12 0.80 -8.34	35.04 0.50 -17.35	36.89 0.43 -21.85	37.08 0.36 -24.30	35.18 0.57 -14.89	33.19 0.89 -1.24	34.66 0.99 -0.11	35.72 0.92 -0.15	35.77 0.69 -11.45	37.99 0.49 -21.55	34.99 0.57 -17.56	37.27 0.14 -33.56

RIVERBAY____ 323610	37.04 -0.95 -52.77	33.96 -1.35 -56.73	30.13 -0.14 -32.58	32.34 0.05 -31.35	30.25 -0.75 -42.56	31.78 -0.83 -45.22	29.21 -0.77 -40.67	31.10 -0.59 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.64 0.89 -18.71	34.70 1.46 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.68 0.92 -19.16	34.50 0.78 -21.30	34.07 1.30 -13.05	34.18 2.03 -1.09	35.66 2.00 -0.09	36.99 2.21 -0.13	35.29 1.62 -10.04	35.87 1.04 -18.89	33.40 1.14 -15.40	33.24 0.25 -29.41
RIVERSIDE_115KV_TB3 55908	45.09 -0.42 -60.29	42.81 -0.59 -64.82	34.85 -0.07 -37.23	36.79 0.03 -35.82	36.70 -0.37 -48.63	38.65 -0.41 -51.66	35.43 -0.35 -46.47	37.31 -0.31 -47.52	33.44 0.22 -24.56	37.90 0.00 -38.00	36.84 0.41 -21.38	35.32 0.63 -11.53	35.05 0.72 -8.35	35.02 0.45 -17.38	36.88 0.39 -21.89	37.08 0.33 -24.34	35.16 0.52 -14.91	33.12 0.81 -1.24	34.57 0.90 -0.11	35.63 0.83 -0.15	35.73 0.63 -11.47	37.97 0.44 -21.58	34.96 0.51 -17.59	37.31 0.13 -33.61
ROARING____BROOK_WT_PWR 323790	-14.41 0.36 0.00	-20.90 0.52 0.00	-2.26 0.06 0.00	0.91 -0.03 0.00	-11.26 0.30 0.00	-12.27 0.34 0.00	-10.41 0.29 0.00	-9.62 0.27 0.00	8.43 -0.23 0.00	-0.10 0.00 0.00	14.64 -0.40 0.00	22.56 -0.59 0.00	25.33 -0.65 0.00	16.76 -0.43 0.00	14.24 -0.37 0.00	12.12 -0.30 0.00	19.28 -0.44 0.00	30.42 -0.64 0.00	32.91 -0.65 0.00	34.03 -0.62 0.00	23.25 -0.37 0.00	15.72 -0.22 0.00	16.62 -0.24 0.00	3.53 -0.05 0.00
ROCHESRG_115KV_T4 355643	-8.36 0.33 -6.08	-14.12 0.47 -6.83	1.70 0.04 -3.97	4.66 -0.06 -3.77	-6.40 0.04 -5.12	-7.16 0.01 -5.44	-5.80 0.00 -4.89	-4.92 -0.03 -5.01	11.13 -0.11 -2.59	3.87 -0.01 -3.99	16.36 -0.23 -1.55	23.64 -0.43 -0.92	26.33 -0.53 -0.88	18.68 -0.33 -1.83	16.63 -0.28 -2.30	14.70 -0.28 -2.56	20.78 -0.51 -1.57	30.54 -0.65 -0.13	32.84 -0.74 -0.01	33.93 -0.74 -0.02	24.28 -0.56 -1.21	17.85 -0.37 -2.27	18.34 -0.38 -1.85	7.04 -0.08 -3.54
ROCHESTER_9_IC 23652	-8.09 0.23 -6.45	-14.16 0.33 -6.93	1.75 0.03 -4.04	4.73 -0.05 -3.83	-6.39 -0.03 -5.20	-7.15 -0.07 -5.53	-5.79 -0.07 -4.97	-4.90 -0.09 -5.08	11.23 -0.05 -2.63	3.95 -0.01 -4.06	17.21 -0.12 -2.29	24.10 -0.29 -1.23	26.50 -0.37 -0.89	18.82 -0.23 -1.86	16.76 -0.18 -2.34	14.82 -0.20 -2.60	20.93 -0.38 -1.60	30.77 -0.42 -0.13	33.11 -0.47 -0.01	34.21 -0.46 -0.02	24.49 -0.37 -1.23	18.01 -0.25 -2.31	18.49 -0.25 -1.88	7.12 -0.05 -3.59
ROCKVIEW_13_KV_LD 356306	37.15 -0.84 -52.76	34.12 -1.19 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.36 -0.65 -42.56	31.90 -0.70 -45.22	29.33 -0.65 -40.67	31.11 0.52 -41.59	30.67 0.00 -21.49	33.15 0.00 -33.25	34.69 0.94 -18.71	34.73 1.49 -10.09	34.93 1.65 -7.31	33.55 1.15 -15.21	34.72 0.96 -19.16	34.52 0.80 -21.30	34.10 1.33 -13.05	34.22 2.07 -1.09	35.73 2.07 -0.09	36.91 2.12 -0.13	35.22 1.56 -10.04	35.82 0.99 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41
ROME____115KV_TB2 80656	-12.00 -0.26 -3.04	-18.52 -0.36 -3.27	-0.47 -0.04 -1.88	2.77 0.01 -1.81	-9.30 -0.19 -2.45	-10.21 -0.21 -2.61	-8.55 -0.20 -2.34	-7.71 -0.21 -2.40	10.08 0.18 -1.24	1.80 -0.01 -1.91	16.41 0.29 -1.08	24.16 0.42 -0.58	26.86 0.47 -0.42	18.34 0.28 -0.88	15.94 0.23 -1.10	13.84 0.20 -1.23	20.89 0.43 -0.75	31.90 0.77 -0.06	34.52 0.95 0.00	35.72 1.06 -0.01	25.00 0.79 -0.58	17.58 0.55 -1.09	18.22 0.47 -0.89	5.37 0.10 -1.69
ROSETON____1 23587	37.44 -0.66 -52.88	34.48 -0.94 -56.85	30.24 -0.10 -32.65	32.39 0.03 -31.41	30.58 -0.51 -42.65	32.14 -0.57 -45.31	29.55 -0.51 -40.75	31.32 -0.46 -41.67	30.60 0.40 -21.54	33.22 0.01 -33.32	34.55 0.75 -18.75	34.45 1.18 -10.11	34.60 1.30 -7.32	33.33 0.91 -15.24	34.55 0.75 -19.20	34.39 0.63 -21.35	33.85 1.05 -13.08	33.79 1.65 -1.09	35.28 1.62 -0.09	36.42 1.63 -0.13	34.90 1.21 -10.06	35.64 0.77 -18.93	33.09 0.80 -15.43	33.22 0.17 -29.47
ROSETON____2 23588	37.44 -0.66 -52.88	34.48 -0.94 -56.85	30.24 -0.10 -32.65	32.39 0.03 -31.41	30.58 -0.51 -42.65	32.14 -0.57 -45.31	29.55 -0.51 -40.75	31.32 -0.46 -41.67	30.60 0.40 -21.54	33.22 0.01 -33.32	34.55 0.75 -18.75	34.45 1.18 -10.11	34.60 1.30 -7.32	33.33 0.91 -15.24	34.55 0.75 -19.20	34.39 0.63 -21.35	33.85 1.05 -13.08	33.79 1.65 -1.09	35.28 1.62 -0.09	36.42 1.63 -0.13	34.90 1.21 -10.06	35.64 0.77 -18.93	33.09 0.80 -15.43	33.22 0.17 -29.47
ROTTRDAM_115KV_TB3 80664	47.08 -0.44 -62.30	44.91 -0.64 -66.98	36.09 -0.07 -38.47	37.98 0.02 -37.01	38.33 -0.36 -50.25	40.37 -0.40 -53.39	36.98 -0.34 -48.02	38.89 -0.32 -49.10	34.29 0.26 -25.38	39.16 0.00 -39.26	37.62 0.49 -22.09	35.79 0.72 -11.92	35.40 0.80 -8.63	35.65 0.51 -17.96	37.66 0.44 -22.62	37.94 0.37 -25.15	35.74 0.61 -15.41	33.33 0.99 -1.28	34.76 1.09 -0.11	35.89 1.09 -0.15	36.26 0.78 -11.85	38.77 0.53 -22.30	35.59 0.56 -18.18	38.42 0.12 -34.73
RUSSELL____1 23602	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.25 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.17 -0.21 -1.23	26.58 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.90 -0.30 -0.13	33.24 -0.34 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58
RUSSELL____2 23532	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.25 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.17 -0.21 -1.23	26.58 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.90 -0.30 -0.13	33.24 -0.34 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58
RUSSELL____3 23549	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.25 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.17 -0.21 -1.23	26.58 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.90 -0.30 -0.13	33.24 -0.34 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58
RUSSELL____4 23556	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.25 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.17 -0.21 -1.23	26.58 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.90 -0.30 -0.13	33.24 -0.34 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58
RUSSELL____STATION 23914	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.25 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.17 -0.21 -1.23	26.58 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.90 -0.30 -0.13	33.24 -0.34 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58

S SALMON___HYD 24043	-10.33 0.35 -4.10	-16.53 0.50 -4.40	0.27 0.05 -2.53	3.35 -0.03 -2.43	-8.01 0.24 -3.30	-8.85 0.26 -3.51	-7.33 0.20 -3.16	-6.50 0.17 -3.23	10.15 -0.17 -1.67	2.47 0.00 -2.58	16.16 -0.33 -1.45	23.44 -0.49 -0.78	25.93 -0.62 -0.57	17.93 -0.44 -1.18	15.70 -0.39 -1.49	13.72 -0.35 -1.65	20.23 -0.50 -1.01	30.42 -0.73 -0.08	32.86 -0.71 -0.01	34.06 -0.61 -0.01	24.09 -0.32 -0.78	17.24 -0.17 -1.46	17.78 -0.27 -1.20	5.81 -0.05 -2.28
S.PERRY___115KV_TB1 80734	0.99 0.15 -15.62	-11.55 0.23 -9.64	3.70 0.03 -5.99	6.23 -0.05 -5.33	-4.43 -0.11 -7.23	-5.11 -0.19 -7.69	-3.98 -0.20 -6.91	-3.04 -0.21 -7.07	12.32 0.01 -3.65	5.87 -0.01 -5.98	35.50 -0.14 -20.61	31.75 -0.38 -8.98	26.71 -0.51 -1.24	19.44 -0.33 -2.58	17.69 -0.17 -3.25	15.82 -0.21 -3.62	21.70 -0.23 -2.22	31.24 0.00 -0.18	33.95 0.37 -0.02	35.19 0.51 -0.02	25.61 0.27 -1.71	19.30 0.14 -3.21	19.64 0.16 -2.62	8.61 0.04 -5.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	-7.85 0.75 -6.17	-11.31 1.06 -9.06	3.03 0.09 -5.25	5.84 -0.11 -5.01	-4.60 0.16 -6.80	-5.27 0.11 -7.22	-4.11 0.09 -6.50	-3.20 0.05 -6.64	11.81 -0.28 -3.43	5.08 -0.01 -5.20	11.61 -0.54 2.89	21.34 -0.97 0.84	26.01 -1.14 -1.17	18.87 -0.75 -2.43	17.04 -0.63 -3.06	15.20 -0.62 -3.40	20.67 -1.13 -2.09	29.62 -1.61 -0.17	31.70 -1.88 -0.02	32.76 -1.92 -0.02	23.73 -1.50 -1.61	17.95 -1.02 -3.02	18.37 -0.95 -2.46	8.09 -0.18 -4.70
SAWYER___23_KV_LOAD 55526	-7.85 0.75 -6.17	-11.31 1.06 -9.06	3.03 0.09 -5.25	5.84 -0.11 -5.01	-4.60 0.16 -6.80	-5.27 0.11 -7.22	-4.11 0.09 -6.50	-3.20 0.05 -6.64	11.81 -0.28 -3.43	5.08 -0.01 -5.20	11.61 -0.54 2.89	21.34 -0.97 0.84	26.01 -1.14 -1.17	18.87 -0.75 -2.43	17.04 -0.63 -3.06	15.20 -0.62 -3.40	20.67 -1.13 -2.09	29.62 -1.61 -0.17	31.70 -1.88 -0.02	32.76 -1.92 -0.02	23.73 -1.50 -1.61	17.95 -1.02 -3.02	18.37 -0.95 -2.46	8.09 -0.18 -4.70
SELKIRK___I 23801	44.18 -0.45 -59.41	41.79 -0.66 -63.88	34.30 -0.07 -36.69	36.27 0.03 -35.29	35.96 -0.40 -47.92	37.87 -0.44 -50.91	34.73 -0.37 -45.79	36.60 -0.34 -46.83	33.11 0.25 -24.20	37.34 0.00 -37.44	36.56 0.45 -21.07	35.21 0.69 -11.36	34.95 0.75 -8.23	34.79 0.48 -17.12	36.58 0.41 -21.57	36.75 0.35 -23.98	34.97 0.56 -14.69	33.18 0.90 -1.22	34.62 0.95 -0.10	35.73 0.93 -0.14	35.62 0.69 -11.31	37.69 0.48 -21.27	34.72 0.53 -17.33	36.82 0.12 -33.12
SELKIRK___II 23799	44.64 -0.38 -59.80	42.31 -0.56 -64.29	34.55 -0.06 -36.92	36.50 0.03 -35.52	36.33 -0.34 -48.24	38.26 -0.37 -51.25	35.08 -0.32 -46.09	36.95 -0.28 -47.13	33.23 0.21 -24.36	37.58 0.00 -37.69	36.63 0.39 -21.21	35.19 0.60 -11.44	34.93 0.67 -8.28	34.85 0.43 -17.23	36.68 0.37 -21.71	36.86 0.30 -24.14	35.00 0.50 -14.79	33.08 0.78 -1.23	34.51 0.84 -0.11	35.59 0.79 -0.15	35.60 0.60 -11.38	37.76 0.41 -21.40	34.77 0.46 -17.45	37.02 0.11 -33.33
SENECA OSWGO___HYD 24041	-9.93 0.38 -4.46	-16.07 0.56 -4.80	0.50 0.06 -2.75	3.56 -0.03 -2.65	-7.70 0.26 -3.60	-8.51 0.28 -3.82	-7.03 0.23 -3.44	-6.18 0.21 -3.52	10.27 -0.20 -1.82	2.71 0.00 -2.81	16.27 -0.35 -1.58	23.46 -0.54 -0.85	25.95 -0.64 -0.62	18.04 -0.43 -1.29	15.85 -0.38 -1.62	13.89 -0.32 -1.80	20.29 -0.53 -1.10	30.37 -0.78 -0.09	32.70 -0.87 -0.01	33.80 -0.86 -0.01	23.93 -0.55 -0.85	17.17 -0.37 -1.60	17.74 -0.42 -1.30	5.98 -0.09 -2.49
SENECA___115KV_TB3 355854	-7.71 0.72 -6.35	-10.88 1.00 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.26 0.15 -7.15	-4.92 0.09 -7.60	-3.79 0.07 -6.83	-2.89 0.02 -6.99	12.02 -0.25 -3.61	5.35 -0.01 -5.46	11.25 -0.43 3.37	21.32 -0.82 1.02	26.23 -0.98 -1.23	19.09 -0.65 -2.55	17.29 -0.53 -3.22	15.47 -0.53 -3.58	20.98 -0.93 -2.19	29.91 -1.33 -0.18	32.08 -1.50 -0.02	33.20 -1.48 -0.02	24.10 -1.21 -1.69	18.29 -0.83 -3.17	18.64 -0.80 -2.59	8.37 -0.15 -4.94
SENECA___ENERGY 23797	-7.12 0.19 -7.47	-13.64 0.26 -7.53	2.07 0.03 -4.35	5.08 -0.02 -4.16	-5.87 0.04 -5.65	-6.61 0.00 -6.00	-5.29 0.01 -5.40	-4.40 -0.02 -5.52	11.47 -0.04 -2.85	4.33 0.00 -4.44	18.64 -0.10 -3.70	24.76 -0.24 -1.85	26.64 -0.31 -0.97	18.97 -0.23 -2.02	16.94 -0.20 -2.54	15.09 -0.15 -2.83	21.23 -0.21 -1.73	30.99 -0.21 -0.14	33.40 -0.18 -0.01	34.52 -0.15 -0.02	24.81 -0.15 -1.33	18.35 -0.10 -2.51	18.74 -0.16 -2.04	7.45 -0.03 -3.90
SHOEMAKER___GT 23640	34.91 -0.64 -50.33	31.76 -0.92 -54.11	28.67 -0.09 -31.08	30.87 0.03 -29.90	28.54 -0.50 -40.60	29.97 -0.55 -43.13	27.60 -0.50 -38.79	29.32 -0.45 -39.67	29.54 0.39 -20.50	31.62 0.00 -31.72	33.62 0.73 -17.85	33.89 1.11 -9.63	34.18 1.23 -6.97	32.55 0.85 -14.50	33.58 0.71 -18.27	33.32 0.59 -20.32	33.15 0.99 -12.45	33.68 1.58 -1.04	35.24 1.58 -0.09	36.40 1.62 -0.12	34.39 1.19 -9.58	34.72 0.76 -18.01	32.32 0.78 -14.68	31.80 0.16 -28.05
SHOEMAKR_138KV_BK 111 55601	34.74 -0.63 -50.15	31.58 -0.91 -53.92	28.56 -0.09 -30.96	30.77 0.03 -29.79	28.39 -0.50 -40.45	29.81 -0.55 -42.97	27.46 -0.50 -38.65	29.18 -0.45 -39.53	29.47 0.39 -20.43	31.50 0.00 -31.60	33.55 0.72 -17.78	33.85 1.11 -9.59	34.15 1.23 -6.95	32.50 0.85 -14.45	33.52 0.71 -18.21	33.25 0.59 -20.24	33.11 0.99 -12.40	33.66 1.57 -1.03	35.22 1.56 -0.09	36.38 1.60 -0.12	34.36 1.19 -9.54	34.65 0.75 -17.95	32.26 0.77 -14.63	31.69 0.16 -27.95
SHOREHAM_IC_1 23715	36.79 -1.20 -52.77	33.62 -1.69 -56.74	30.11 -0.16 -32.59	32.36 0.07 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.38 -18.71	35.32 2.07 -10.09	35.53 2.24 -7.31	33.93 1.53 -15.21	35.20 1.44 -19.16	34.86 1.14 -21.30	34.63 1.86 -13.05	35.06 2.92 -1.09	36.35 2.69 -0.09	37.81 3.03 -0.13	35.80 2.13 -10.04	36.11 1.28 -18.89	33.63 1.38 -15.40	33.25 0.25 -29.41
SHOREHAM_IC_2 23716	36.79 -1.20 -52.77	33.62 -1.69 -56.74	30.11 -0.16 -32.59	32.36 0.07 -31.35	30.21 -0.80 -42.57	31.83 -0.78 -45.22	29.21 -0.77 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.38 -18.71	35.32 2.07 -10.09	35.53 2.24 -7.31	33.93 1.53 -15.21	35.20 1.44 -19.16	34.86 1.14 -21.30	34.63 1.86 -13.05	35.06 2.92 -1.09	36.35 2.69 -0.09	37.81 3.03 -0.13	35.80 2.13 -10.04	36.11 1.28 -18.89	33.63 1.38 -15.40	33.25 0.25 -29.41
SISSONVILLE____ 23735	-13.74 0.18 -0.85	-20.22 0.29 -0.91	-1.76 0.03 -0.52	1.46 0.01 -0.50	-10.61 0.27 -0.68	-11.56 0.32 -0.72	-9.77 0.27 -0.65	-8.97 0.26 -0.67	8.82 -0.18 -0.34	0.42 0.00 -0.53	14.92 -0.42 -0.30	22.73 -0.59 -0.16	25.47 -0.62 -0.12	17.04 -0.39 -0.24	14.59 -0.32 -0.31	12.50 -0.25 -0.34	19.46 -0.47 -0.21	30.37 -0.71 -0.02	32.89 -0.68 0.00	34.08 -0.58 0.00	23.41 -0.38 -0.16	16.08 -0.16 -0.30	16.89 -0.21 -0.25	3.99 -0.05 -0.47
SITHE_IND_GS1 24169	-10.90 0.36 -3.51	-17.12 0.53 -3.77	-0.09 0.06 -2.17	3.00 -0.03 -2.08	-8.48 0.25 -2.83	-9.35 0.26 -3.01	-7.78 0.22 -2.70	-6.94 0.19 -2.77	9.89 -0.19 -1.43	2.10 0.00 -2.21	15.95 -0.34 -1.24	23.27 -0.55 -0.67	25.83 -0.63 -0.49	17.77 -0.43 -1.01	15.51 -0.37 -1.27	13.52 -0.31 -1.41	20.07 -0.51 -0.87	30.35 -0.78 -0.07	32.70 -0.88 -0.01	33.76 -0.90 -0.01	23.70 -0.59 -0.67	16.81 -0.39 -1.26	17.45 -0.43 -1.02	5.45 -0.09 -1.96

SITHE_IND_GS2 24170	-10.90 0.36 -3.51	-17.12 0.53 -3.77	-0.09 0.06 -2.17	3.00 -0.03 -2.08	-8.48 0.25 -2.83	-9.35 0.26 -3.01	-7.78 0.22 -2.70	-6.94 0.19 -2.77	9.89 -0.19 -1.43	2.10 0.00 -2.21	15.95 -0.34 -1.24	23.27 -0.55 -0.67	25.83 -0.63 -0.49	17.77 -0.43 -1.01	15.51 -0.37 -1.27	13.52 -0.31 -1.41	20.07 -0.51 -0.87	30.35 -0.78 -0.07	32.70 -0.88 -0.01	33.76 -0.90 -0.01	23.70 -0.59 -0.67	16.81 -0.39 -1.26	17.45 -0.43 -1.02	5.45 -0.09 -1.96
SITHE_IND_GS3 24171	-10.90 0.36 -3.51	-17.12 0.53 -3.77	-0.09 0.06 -2.17	3.00 -0.03 -2.08	-8.48 0.25 -2.83	-9.35 0.26 -3.01	-7.78 0.22 -2.70	-6.94 0.19 -2.77	9.89 -0.19 -1.43	2.10 0.00 -2.21	15.95 -0.34 -1.24	23.27 -0.55 -0.67	25.83 -0.63 -0.49	17.77 -0.43 -1.01	15.51 -0.37 -1.27	13.52 -0.31 -1.41	20.07 -0.51 -0.87	30.35 -0.78 -0.07	32.70 -0.88 -0.01	33.76 -0.90 -0.01	23.70 -0.59 -0.67	16.81 -0.39 -1.26	17.45 -0.43 -1.02	5.45 -0.09 -1.96
SITHE_IND_GS4 24172	-10.90 0.36 -3.51	-17.12 0.53 -3.77	-0.09 0.06 -2.17	3.00 -0.03 -2.08	-8.48 0.25 -2.83	-9.35 0.26 -3.01	-7.78 0.22 -2.70	-6.94 0.19 -2.77	9.89 -0.19 -1.43	2.10 0.00 -2.21	15.95 -0.34 -1.24	23.27 -0.55 -0.67	25.83 -0.63 -0.49	17.77 -0.43 -1.01	15.51 -0.37 -1.27	13.52 -0.31 -1.41	20.07 -0.51 -0.87	30.35 -0.78 -0.07	32.70 -0.88 -0.01	33.76 -0.90 -0.01	23.70 -0.59 -0.67	16.81 -0.39 -1.26	17.45 -0.43 -1.02	5.45 -0.09 -1.96
SITHE___BATAVIA 24024	-8.30 0.24 -6.23	-13.03 0.36 -8.03	2.38 0.02 -4.66	5.30 -0.08 -4.44	-5.68 -0.15 -6.03	-6.42 -0.22 -6.41	-5.13 -0.19 -5.76	-4.22 -0.21 -5.89	11.62 -0.08 -3.05	4.54 -0.01 -4.65	14.27 -0.16 0.61	22.73 -0.49 -0.07	26.27 -0.74 -1.03	18.88 -0.46 -2.15	16.87 -0.45 -2.71	14.97 -0.46 -3.02	20.74 -0.83 -1.85	30.21 -1.00 -0.15	32.70 -0.88 -0.01	33.88 -0.79 -0.02	24.39 -0.66 -1.42	18.15 -0.47 -2.67	18.60 -0.44 -2.18	7.67 -0.08 -4.17
SITHE___INDEPEND 23800	-10.90 0.36 -3.51	-17.12 0.53 -3.77	-0.09 0.06 -2.17	3.00 -0.03 -2.08	-8.48 0.25 -2.83	-9.35 0.26 -3.01	-7.78 0.22 -2.70	-6.94 0.19 -2.77	9.89 -0.19 -1.43	2.10 0.00 -2.21	15.95 -0.34 -1.24	23.28 -0.55 -0.67	25.83 -0.63 -0.49	17.77 -0.43 -1.01	15.51 -0.37 -1.27	13.52 -0.31 -1.41	20.07 -0.51 -0.87	30.35 -0.79 -0.07	32.70 -0.88 -0.01	33.76 -0.90 -0.01	23.70 -0.59 -0.67	16.81 -0.39 -1.26	17.46 -0.43 -1.02	5.45 -0.09 -1.96
SITHE___MASSENA 23902	-14.80 -0.02 0.00	-21.44 -0.01 0.00	-2.31 0.00 0.00	0.97 0.02 0.00	-11.48 0.08 0.00	-12.50 0.11 0.00	-10.60 0.09 0.00	-9.80 0.10 0.00	8.61 -0.05 0.00	-0.11 -0.01 0.00	14.89 -0.15 0.00	22.96 -0.19 0.00	25.81 -0.16 0.00	17.10 -0.09 0.00	14.54 -0.06 0.00	12.37 -0.04 0.00	19.62 -0.10 0.00	30.89 -0.17 0.00	33.41 -0.16 0.00	34.55 0.00 0.00	23.54 -0.09 0.00	15.91 -0.04 0.00	16.82 -0.04 0.00	3.56 -0.02 0.00
SITHE___OGDNSBRG 24021	-14.93 -0.15 0.00	-21.61 -0.19 0.00	-2.33 -0.02 0.00	0.98 0.03 0.00	-11.55 0.01 0.00	-12.59 0.02 0.00	-10.67 0.02 0.00	-9.85 0.04 0.00	8.66 0.01 0.00	-0.11 -0.01 0.00	14.85 -0.19 0.00	22.88 -0.27 0.00	25.77 -0.20 0.00	17.09 -0.09 0.00	14.53 -0.07 0.00	12.41 0.00 0.00	19.71 0.00 0.00	31.13 0.07 0.00	33.70 0.14 0.00	34.93 0.28 0.00	23.82 0.19 0.00	16.12 0.18 0.00	17.02 0.16 0.00	3.60 0.02 0.00
SITHE___STERLING 23777	-11.58 -0.20 -3.40	-18.06 -0.30 -3.66	-0.24 -0.03 -2.10	2.97 0.01 -2.02	-8.99 -0.17 -2.74	-9.89 -0.20 -2.92	-8.26 -0.19 -2.62	-7.41 -0.19 -2.68	10.20 0.16 -1.39	2.04 0.00 -2.14	16.50 0.26 -1.21	24.16 0.36 -0.65	26.84 0.39 -0.47	18.40 0.23 -0.98	16.02 0.18 -1.24	13.95 0.16 -1.37	20.91 0.35 -0.84	31.73 0.60 -0.07	34.32 0.75 -0.01	35.48 0.82 -0.01	24.88 0.61 -0.65	17.57 0.41 -1.22	18.22 0.36 -0.99	5.55 0.08 -1.90
SLEIGHT__34_KV_TB1 80719	-8.16 0.27 -6.34	-14.21 0.39 -6.82	1.68 0.04 -3.95	4.67 -0.04 -3.77	-6.38 0.07 -5.12	-7.14 0.04 -5.43	-5.78 0.03 -4.89	-4.90 -0.01 -5.00	11.16 -0.08 -2.58	3.88 -0.01 -4.00	17.09 -0.19 -2.25	23.97 -0.39 -1.21	26.37 -0.48 -0.88	18.69 -0.32 -1.83	16.62 -0.28 -2.30	14.72 -0.26 -2.56	20.88 -0.40 -1.57	30.70 -0.49 -0.13	33.08 -0.50 -0.01	34.19 -0.48 -0.02	24.47 -0.37 -1.21	17.98 -0.24 -2.27	18.42 -0.29 -1.85	7.05 -0.06 -3.54
SOUTH CAIRO___GT 23612	42.68 -0.79 -58.25	40.08 -1.12 -62.62	33.53 -0.12 -35.96	35.61 0.07 -34.60	34.78 -0.64 -46.98	36.58 -0.72 -49.91	33.58 -0.62 -44.89	35.41 -0.60 -45.91	32.90 0.52 -23.73	36.61 0.00 -36.71	36.62 0.92 -20.65	35.73 1.43 -11.14	35.59 1.54 -8.07	34.97 0.99 -16.79	36.56 0.81 -21.15	36.63 0.70 -23.51	35.25 1.12 -14.41	34.21 1.95 -1.20	35.77 2.10 -0.10	36.88 2.09 -0.14	36.15 1.44 -11.08	37.76 0.97 -20.85	34.87 1.01 -16.99	36.27 0.22 -32.47
SOUTH HAMPTN___IC 23720	36.66 -1.33 -52.77	33.44 -1.88 -56.74	30.10 -0.17 -32.59	32.37 0.08 -31.35	30.21 -0.80 -42.57	31.86 -0.75 -45.22	29.23 -0.75 -40.67	31.00 -0.70 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.17 1.42 -18.71	35.40 2.15 -10.09	35.63 2.34 -7.31	33.99 1.60 -15.21	35.24 1.48 -19.16	34.89 1.17 -21.30	34.69 1.92 -13.05	35.15 3.00 -1.09	36.44 2.78 -0.09	37.90 3.12 -0.13	35.85 2.18 -10.04	36.13 1.29 -18.89	33.66 1.40 -15.40	33.26 0.27 -29.41
SOUTHDOW__115KV_TB1 355954	-6.02 0.86 -7.89	-10.08 1.16 -10.19	3.73 0.12 -5.92	6.51 -0.07 -5.63	-3.73 0.19 -7.64	-4.39 0.10 -8.12	-3.32 0.08 -7.30	-2.44 -0.01 -7.47	12.34 -0.16 -3.85	5.78 0.00 -5.89	14.02 -0.21 0.81	22.80 -0.43 -0.08	26.67 -0.62 -1.31	19.44 -0.48 -2.73	17.66 -0.38 -3.44	15.94 -0.30 -3.82	21.64 -0.42 -2.34	30.70 -0.56 -0.20	32.90 -0.69 -0.02	34.19 -0.49 -0.02	24.89 -0.54 -1.80	18.86 -0.47 -3.39	19.10 -0.53 -2.76	8.76 -0.10 -5.28
SOUTHOLD_69_KV_BK 2 55809	36.55 -1.45 -52.77	33.25 -2.06 -56.74	30.09 -0.18 -32.59	32.39 0.09 -31.35	30.26 -0.75 -42.57	31.96 -0.65 -45.22	29.30 -0.67 -40.67	31.07 -0.63 -41.59	30.69 0.54 -21.50	33.16 0.01 -33.26	35.14 1.38 -18.71	35.36 2.11 -10.09	35.59 2.31 -7.31	33.96 1.56 -15.21	35.20 1.43 -19.16	34.86 1.14 -21.30	34.65 1.88 -13.05	35.08 2.94 -1.09	36.38 2.72 -0.09	37.81 3.03 -0.13	35.79 2.12 -10.04	36.07 1.23 -18.89	33.60 1.34 -15.40	33.26 0.27 -29.41
SOUTHOLD___IC 23719	36.54 -1.45 -52.77	33.25 -2.06 -56.74	30.09 -0.18 -32.59	32.39 0.09 -31.35	30.26 -0.75 -42.57	31.96 -0.65 -45.22	29.30 -0.67 -40.67	31.06 -0.63 -41.59	30.69 0.54 -21.50	33.16 0.01 -33.26	35.14 1.39 -18.71	35.36 2.11 -10.09	35.59 2.30 -7.31	33.96 1.56 -15.21	35.20 1.43 -19.16	34.86 1.14 -21.30	34.65 1.88 -13.05	35.09 2.94 -1.09	36.38 2.72 -0.09	37.81 3.03 -0.13	35.79 2.12 -10.04	36.07 1.23 -18.89	33.60 1.34 -15.40	33.26 0.27 -29.41
SOUTH_FORK_WT_PWR 323839	36.55 -1.44 -52.77	33.26 -2.05 -56.74	30.09 -0.18 -32.59	32.40 0.10 -31.35	30.38 -0.63 -42.57	32.13 -0.48 -45.22	29.44 -0.53 -40.67	31.20 -0.50 -41.59	30.58 0.43 -21.50	33.16 0.01 -33.26	34.95 1.20 -18.71	35.07 1.82 -10.09	35.28 1.99 -7.31	33.75 1.36 -15.21	35.02 1.26 -19.16	34.71 0.99 -21.30	34.41 1.64 -13.05	34.72 2.57 -1.09	35.98 2.32 -0.09	37.40 2.62 -0.13	35.51 1.84 -10.04	35.87 1.04 -18.89	33.41 1.16 -15.40	33.24 0.24 -29.41

SPIERFLS_115KV_TB 1 80737	46.16 -0.96 -61.89	43.88 -1.24 -66.55	35.77 -0.13 -38.22	37.78 0.06 -36.77	37.67 -0.70 -49.93	39.64 -0.79 -53.04	36.32 -0.69 -47.71	38.25 -0.63 -48.78	34.41 0.55 -25.21	38.90 -0.01 -39.01	37.97 0.98 -21.95	36.43 1.44 -11.84	36.13 1.58 -8.57	35.99 0.97 -17.84	37.89 0.82 -22.47	38.13 0.74 -24.99	36.34 1.31 -15.31	34.49 2.15 -1.27	36.16 2.48 -0.11	37.32 2.51 -0.15	37.04 1.63 -11.78	39.28 1.18 -22.15	36.12 1.20 -18.06	38.33 0.25 -34.50
ST LAWRENCE____ 23600	-14.69 0.08 0.00	-21.28 0.14 0.00	-2.30 0.01 0.00	0.96 0.01 0.00	-11.39 0.17 0.00	-12.41 0.20 0.00	-10.52 0.17 0.00	-9.72 0.17 0.00	8.54 -0.11 0.00	-0.11 0.00 0.00	14.80 -0.24 0.00	22.83 -0.32 0.00	25.65 -0.33 0.00	16.98 -0.20 0.00	14.45 -0.15 0.00	12.29 -0.12 0.00	19.50 -0.22 0.00	30.70 -0.36 0.00	33.19 -0.37 0.00	34.31 -0.34 0.00	23.38 -0.25 0.00	15.78 -0.16 0.00	16.69 -0.16 0.00	3.53 -0.04 0.00
STATE_CA_115KV_115_LB 55624	45.39 -0.43 -60.60	43.12 -0.62 -65.16	35.04 -0.07 -37.42	36.98 0.03 -36.00	36.94 -0.39 -48.89	38.91 -0.42 -51.93	35.66 -0.36 -46.71	37.55 -0.33 -47.77	33.58 0.23 -24.69	38.09 0.00 -38.20	36.96 0.43 -21.49	35.40 0.65 -11.59	35.12 0.75 -8.40	35.13 0.47 -17.47	37.01 0.40 -22.00	37.22 0.34 -24.47	35.25 0.54 -14.99	33.16 0.85 -1.25	34.61 0.93 -0.11	35.69 0.89 -0.15	35.81 0.66 -11.53	38.09 0.45 -21.69	35.06 0.52 -17.68	37.49 0.13 -33.78
STATE_ST_34_KV_LOAD 55959	-7.85 -0.04 -6.96	-14.00 -0.07 -7.49	1.99 0.00 -4.30	5.08 -0.01 -4.14	-6.05 -0.11 -5.62	-6.79 -0.15 -5.97	-5.42 -0.09 -5.37	-4.54 -0.13 -5.49	11.57 0.08 -2.84	4.28 0.00 -4.39	17.57 0.06 -2.47	24.51 0.02 -1.33	26.99 0.05 -0.96	19.19 -0.01 -2.01	17.09 -0.04 -2.53	15.24 0.01 -2.81	21.48 0.04 -1.72	31.37 0.16 -0.14	33.80 0.22 -0.01	34.95 0.27 -0.02	25.06 0.11 -1.33	18.54 0.10 -2.49	18.91 0.02 -2.03	7.47 0.01 -3.88
STATION 5_MISC_HYD 23604	-8.10 0.23 -6.45	-14.16 0.33 -6.93	1.75 0.03 -4.04	4.73 -0.05 -3.83	-6.39 -0.03 -5.20	-7.15 -0.07 -5.53	-5.79 -0.07 -4.97	-4.90 -0.09 -5.08	11.23 -0.05 -2.63	3.95 -0.01 -4.06	17.21 -0.12 -2.29	24.10 -0.28 -1.23	26.51 -0.36 -0.89	18.82 -0.22 -1.86	16.76 -0.18 -2.34	14.82 -0.20 -2.60	20.93 -0.38 -1.60	30.75 -0.44 -0.13	33.11 -0.47 -0.01	34.21 -0.46 -0.02	24.49 -0.37 -1.23	18.01 -0.25 -2.31	18.48 -0.26 -1.88	7.12 -0.05 -3.59
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	-8.07 0.20 -6.50	-14.15 0.28 -6.99	1.77 0.03 -4.06	4.77 -0.04 -3.86	-6.32 -0.01 -5.24	-7.08 -0.04 -5.57	-5.73 -0.05 -5.01	-4.84 -0.06 -5.12	11.27 -0.04 -2.65	3.98 -0.01 -4.10	17.25 -0.10 -2.30	24.15 -0.25 -1.25	26.55 -0.32 -0.90	18.82 -0.24 -1.87	16.76 -0.20 -2.36	14.86 -0.18 -2.63	21.03 -0.30 -1.61	30.89 -0.30 -0.13	33.26 -0.32 -0.01	34.37 -0.30 -0.02	24.62 -0.24 -1.24	18.10 -0.17 -2.33	18.56 -0.19 -1.90	7.16 -0.04 -3.63
STA_56_34_KV_BUS2_REV_LBMP_B 345033	-8.06 0.34 -6.38	-14.08 0.48 -6.86	1.72 0.04 -3.99	4.68 -0.06 -3.79	-6.35 0.06 -5.14	-7.13 0.02 -5.47	-5.77 0.00 -4.92	-4.89 -0.02 -5.03	11.15 -0.10 -2.60	3.90 -0.01 -4.02	17.09 -0.21 -2.26	23.96 -0.41 -1.22	26.36 -0.50 -0.88	18.71 -0.32 -1.84	16.65 -0.26 -2.32	14.73 -0.26 -2.58	20.82 -0.47 -1.58	30.62 -0.57 -0.13	32.94 -0.64 -0.01	34.02 -0.65 -0.02	24.34 -0.50 -1.21	17.90 -0.33 -2.28	18.38 -0.34 -1.86	7.06 -0.07 -3.56
STA_56____34_KV_BUS2 355983	-8.06 0.34 -6.38	-14.08 0.48 -6.86	1.72 0.04 -3.99	4.68 -0.06 -3.79	-6.35 0.06 -5.14	-7.13 0.02 -5.47	-5.77 0.00 -4.92	-4.89 -0.02 -5.03	11.15 -0.10 -2.60	3.90 -0.01 -4.02	17.09 -0.21 -2.26	23.96 -0.41 -1.22	26.36 -0.50 -0.88	18.71 -0.32 -1.84	16.65 -0.26 -2.32	14.73 -0.26 -2.58	20.82 -0.47 -1.58	30.62 -0.57 -0.13	32.94 -0.64 -0.01	34.02 -0.65 -0.02	24.34 -0.50 -1.21	17.90 -0.33 -2.28	18.38 -0.34 -1.86	7.06 -0.07 -3.56
STA_67____115KV_BK2 355882	-8.07 0.26 -6.46	-14.12 0.36 -6.94	1.76 0.03 -4.04	4.73 -0.05 -3.84	-6.37 -0.02 -5.21	-7.13 -0.05 -5.53	-5.77 -0.06 -4.98	-4.89 -0.08 -5.09	11.22 -0.06 -2.63	3.95 -0.01 -4.07	17.19 -0.14 -2.29	24.06 -0.32 -1.24	26.46 -0.41 -0.89	18.80 -0.25 -1.86	16.74 -0.21 -2.34	14.81 -0.22 -2.61	20.91 -0.41 -1.60	30.72 -0.47 -0.13	33.05 -0.53 -0.01	34.15 -0.52 -0.02	24.45 -0.41 -1.23	17.98 -0.27 -2.31	18.46 -0.28 -1.88	7.12 -0.06 -3.60
STA_7____115KV_9TRANS 80674	-8.17 0.18 -6.42	-14.26 0.26 -6.91	1.73 0.02 -4.02	4.71 -0.05 -3.81	-6.44 -0.07 -5.18	-7.21 -0.10 -5.51	-5.84 -0.10 -4.95	-4.95 -0.12 -5.06	11.25 -0.03 -2.62	3.93 -0.01 -4.05	17.25 -0.07 -2.28	24.17 -0.21 -1.23	26.58 -0.28 -0.89	18.87 -0.17 -1.85	16.80 -0.14 -2.33	14.85 -0.15 -2.59	21.00 -0.31 -1.59	30.90 -0.30 -0.13	33.24 -0.34 -0.01	34.35 -0.32 -0.02	24.58 -0.27 -1.22	18.06 -0.19 -2.30	18.54 -0.19 -1.87	7.12 -0.04 -3.58
STA_82____115KV_TB1 80780	-8.04 0.28 -6.46	-14.08 0.39 -6.95	1.77 0.03 -4.05	4.73 -0.05 -3.84	-6.35 0.00 -5.21	-7.11 -0.04 -5.54	-5.76 -0.04 -4.98	-4.87 -0.06 -5.09	11.21 -0.08 -2.63	3.96 -0.01 -4.07	17.16 -0.17 -2.29	24.03 -0.36 -1.24	26.43 -0.44 -0.90	18.77 -0.28 -1.86	16.72 -0.23 -2.35	14.79 -0.23 -2.61	20.87 -0.44 -1.60	30.66 -0.53 -0.13	32.99 -0.59 -0.01	34.09 -0.58 -0.02	24.40 -0.45 -1.23	17.96 -0.30 -2.31	18.44 -0.30 -1.89	7.12 -0.06 -3.60
STEEL____WIND 323596	-7.69 0.73 -6.35	-10.86 1.03 -9.53	3.31 0.10 -5.52	6.12 -0.10 -5.27	-4.25 0.16 -7.15	-4.91 0.10 -7.60	-3.78 0.08 -6.83	-2.88 0.03 -6.99	12.00 -0.26 -3.61	5.35 -0.01 -5.46	11.23 -0.45 3.37	21.27 -0.87 1.02	26.19 -1.01 -1.23	19.06 -0.68 -2.55	17.28 -0.54 -3.22	15.45 -0.54 -3.58	20.95 -0.96 -2.19	29.89 -1.36 -0.18	32.05 -1.53 -0.02	33.18 -1.49 -0.02	24.08 -1.24 -1.69	18.27 -0.85 -3.17	18.62 -0.82 -2.59	8.37 -0.15 -4.94
STEPHTWN_115KV_BK_2 55603	44.82 -0.48 -60.07	42.49 -0.68 -64.59	34.70 -0.08 -37.09	36.66 0.03 -35.69	36.48 -0.42 -48.46	38.42 -0.46 -51.48	35.22 -0.39 -46.30	37.09 -0.37 -47.35	33.40 0.27 -24.47	37.76 0.00 -37.86	36.86 0.51 -21.30	35.43 0.78 -11.49	35.18 0.88 -8.32	35.05 0.55 -17.32	36.88 0.46 -21.81	37.06 0.40 -24.25	35.21 0.63 -14.86	33.30 1.01 -1.24	34.78 1.11 -0.11	35.85 1.05 -0.15	35.83 0.77 -11.43	37.97 0.53 -21.50	34.97 0.58 -17.53	37.21 0.14 -33.49
STEBEN_REC_LFGE 323667	2.19 1.04 -15.92	-7.58 1.44 -12.41	5.18 0.17 -7.32	7.71 -0.09 -6.86	-1.70 0.55 -9.31	-2.24 0.48 -9.89	-1.46 0.34 -8.90	-0.54 0.26 -9.10	12.97 -0.39 -4.70	7.39 0.00 -7.49	30.04 -0.57 -15.57	29.23 -0.91 -6.99	26.33 -1.24 -1.60	19.70 -0.81 -3.33	18.30 -0.49 -4.19	16.64 -0.43 -4.66	22.10 -0.47 -2.85	30.92 -0.38 -0.24	33.25 -0.33 -0.02	34.34 -0.34 -0.03	25.39 -0.43 -2.20	19.70 -0.38 -4.13	19.87 -0.36 -3.37	9.93 -0.08 -6.43
STILLWATER____SOLAR 323814	46.16 -0.75 -61.69	43.88 -1.02 -66.33	35.67 -0.11 -38.09	37.64 0.04 -36.65	37.62 -0.58 -49.76	39.61 -0.65 -52.87	36.29 -0.56 -47.55	38.21 -0.52 -48.62	34.22 0.43 -25.13	38.78 0.00 -38.88	37.71 0.80 -21.88	36.13 1.18 -11.80	35.83 1.30 -8.54	35.78 0.81 -17.78	37.70 0.70 -22.40	37.93 0.61 -24.90	35.99 1.02 -15.26	33.98 1.65 -1.27	35.52 1.84 -0.11	36.66 1.86 -0.15	36.64 1.28 -11.74	38.92 0.89 -22.08	35.78 0.93 -18.00	38.16 0.20 -34.39

STONY___BROOK 24151	36.84 -1.16 -52.77	33.70 -1.61 -56.74	30.12 -0.15 -32.59	32.36 0.06 -31.35	30.20 -0.80 -42.57	31.82 -0.79 -45.22	29.20 -0.77 -40.67	30.99 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.36 2.12 -10.09	35.58 2.30 -7.31	33.97 1.57 -15.21	35.18 1.42 -19.16	34.85 1.13 -21.30	34.62 1.84 -13.05	35.01 2.86 -1.09	36.29 2.63 -0.09	37.75 2.96 -0.13	35.76 2.09 -10.04	36.10 1.26 -18.89	33.61 1.36 -15.40	33.25 0.26 -29.41
STURGEON_POOL_HYD 23609	38.22 -0.68 -53.67	35.30 -0.98 -57.71	30.73 -0.10 -33.14	32.87 0.04 -31.89	31.21 -0.53 -43.29	32.81 -0.58 -46.00	30.15 -0.52 -41.37	31.93 -0.48 -42.31	30.95 0.43 -21.86	33.73 0.00 -33.83	34.89 0.81 -19.03	34.69 1.27 -10.27	34.82 1.41 -7.43	33.63 0.97 -15.47	34.90 0.81 -19.49	34.76 0.67 -21.67	34.12 1.13 -13.28	33.95 1.79 -1.11	35.46 1.80 -0.09	36.61 1.82 -0.13	35.14 1.30 -10.21	35.99 0.83 -19.21	33.37 0.86 -15.66	33.67 0.18 -29.92
ST_LAW_115_BK7_LBMP 345037	-14.69 0.09 0.00	-21.27 0.15 0.00	-2.30 0.02 0.00	0.95 0.01 0.00	-11.38 0.18 0.00	-12.40 0.21 0.00	-10.51 0.18 0.00	-9.72 0.18 0.00	8.54 -0.11 0.00	-0.11 0.00 0.00	14.79 -0.25 0.00	22.81 -0.34 0.00	25.64 -0.34 0.00	16.98 -0.21 0.00	14.44 -0.16 0.00	12.29 -0.13 0.00	19.49 -0.23 0.00	30.67 -0.39 0.00	33.16 -0.41 0.00	34.28 -0.37 0.00	23.36 -0.27 0.00	15.77 -0.17 0.00	16.68 -0.18 0.00	3.53 -0.05 0.00
ST_LAW_115_BK8_LBMP 345038	-14.69 0.09 0.00	-21.27 0.15 0.00	-2.30 0.02 0.00	0.95 0.01 0.00	-11.38 0.18 0.00	-12.40 0.21 0.00	-10.51 0.18 0.00	-9.72 0.18 0.00	8.54 -0.11 0.00	-0.11 0.00 0.00	14.79 -0.25 0.00	22.81 -0.34 0.00	25.64 -0.34 0.00	16.98 -0.21 0.00	14.44 -0.16 0.00	12.29 -0.13 0.00	19.49 -0.23 0.00	30.67 -0.39 0.00	33.16 -0.41 0.00	34.28 -0.37 0.00	23.36 -0.27 0.00	15.77 -0.17 0.00	16.68 -0.18 0.00	3.53 -0.05 0.00
ST_LAW_230_BK5_LBMP 345035	-14.69 0.08 0.00	-21.28 0.14 0.00	-2.30 0.01 0.00	0.96 0.01 0.00	-11.39 0.17 0.00	-12.41 0.20 0.00	-10.52 0.17 0.00	-9.72 0.17 0.00	8.54 -0.11 0.00	-0.11 0.00 0.00	14.80 -0.24 0.00	22.83 -0.32 0.00	25.65 -0.33 0.00	16.98 -0.20 0.00	14.45 -0.15 0.00	12.29 -0.12 0.00	19.50 -0.22 0.00	30.70 -0.36 0.00	33.19 -0.37 0.00	34.31 -0.34 0.00	23.38 -0.25 0.00	15.78 -0.16 0.00	16.69 -0.16 0.00	3.53 -0.04 0.00
ST_LAW_230_BK6_LBMP 345036	-14.69 0.08 0.00	-21.28 0.14 0.00	-2.30 0.01 0.00	0.96 0.01 0.00	-11.39 0.17 0.00	-12.41 0.20 0.00	-10.52 0.17 0.00	-9.72 0.17 0.00	8.54 -0.11 0.00	-0.11 0.00 0.00	14.80 -0.24 0.00	22.83 -0.32 0.00	25.65 -0.33 0.00	16.98 -0.20 0.00	14.45 -0.15 0.00	12.29 -0.12 0.00	19.50 -0.22 0.00	30.70 -0.36 0.00	33.19 -0.37 0.00	34.31 -0.34 0.00	23.38 -0.25 0.00	15.78 -0.16 0.00	16.69 -0.16 0.00	3.53 -0.04 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	35.47 -0.68 -50.93	32.35 -0.99 -54.76	29.04 -0.10 -31.45	31.23 0.03 -30.26	28.98 -0.54 -41.08	30.45 -0.59 -43.65	28.02 -0.54 -39.26	29.76 -0.49 -40.14	29.82 0.42 -20.75	32.00 0.00 -32.10	33.88 0.78 -18.06	34.11 1.21 -9.74	34.37 1.34 -7.05	32.81 0.94 -14.68	33.88 0.78 -18.49	33.63 0.66 -20.56	33.40 1.09 -12.60	33.81 1.70 -1.05	35.34 1.69 -0.09	36.50 1.72 -0.12	34.59 1.27 -9.69	34.98 0.81 -18.23	32.55 0.83 -14.86	32.14 0.17 -28.39
SWANROAD_115KV_TB1 355699	-7.73 0.78 -6.27	-11.56 1.10 -8.77	2.87 0.10 -5.08	5.65 -0.14 -4.84	-4.81 0.17 -6.58	-5.49 0.13 -6.99	-4.30 0.11 -6.28	-3.40 0.07 -6.43	11.63 -0.35 -3.32	4.92 -0.01 -5.04	12.33 -0.64 2.07	21.46 -1.18 0.51	25.63 -1.47 -1.13	18.55 -0.99 -2.35	16.69 -0.87 -2.96	14.84 -0.87 -3.29	20.25 -1.49 -2.02	29.06 -2.17 -0.17	31.12 -2.46 -0.01	32.15 -2.52 -0.02	23.23 -1.95 -1.55	17.49 -1.37 -2.92	17.98 -1.26 -2.38	7.88 -0.24 -4.54
SYNERGY___BIOGAS 323694	-8.30 0.24 -6.23	-13.04 0.35 -8.03	2.38 0.02 -4.66	5.30 -0.08 -4.44	-5.68 -0.15 -6.03	-6.42 -0.22 -6.41	-5.13 -0.19 -5.76	-4.22 -0.21 -5.89	11.62 -0.08 -3.05	4.53 -0.02 -4.65	14.27 -0.16 0.61	22.72 -0.50 -0.07	26.27 -0.74 -1.03	18.88 -0.46 -2.15	16.87 -0.45 -2.71	14.97 -0.46 -3.02	20.74 -0.83 -1.85	30.25 -0.96 -0.15	32.70 -0.88 -0.01	33.88 -0.79 -0.02	24.39 -0.66 -1.42	18.15 -0.47 -2.67	18.62 -0.42 -2.18	7.66 -0.08 -4.17
SYRACUSE___ENERGY_ST1 323597	-9.06 0.07 -5.64	-15.26 0.10 -6.06	1.18 0.01 -3.48	4.29 -0.01 -3.35	-7.00 0.01 -4.55	-7.79 -0.01 -4.83	-6.35 -0.01 -4.35	-5.48 -0.02 -4.44	10.94 -0.01 -2.30	3.45 0.00 -3.55	17.02 -0.02 -2.00	24.16 -0.07 -1.08	26.65 -0.11 -0.78	18.73 -0.08 -1.63	16.56 -0.09 -2.05	14.63 -0.06 -2.28	21.02 -0.09 -1.39	31.09 -0.09 -0.12	33.48 -0.10 -0.01	34.59 -0.08 -0.01	24.66 -0.05 -1.07	17.94 -0.03 -2.02	18.43 -0.07 -1.65	6.71 -0.01 -3.14
SYRACUSE___ENERGY_ST2 323598	-9.06 0.07 -5.64	-15.26 0.10 -6.06	1.18 0.01 -3.48	4.29 -0.01 -3.35	-7.00 0.01 -4.55	-7.79 -0.01 -4.83	-6.35 -0.01 -4.35	-5.48 -0.02 -4.44	10.94 -0.01 -2.30	3.45 0.00 -3.55	17.02 -0.02 -2.00	24.16 -0.07 -1.08	26.65 -0.11 -0.78	18.73 -0.08 -1.63	16.56 -0.09 -2.05	14.63 -0.06 -2.28	21.02 -0.09 -1.39	31.09 -0.09 -0.12	33.48 -0.10 -0.01	34.59 -0.08 -0.01	24.66 -0.05 -1.07	17.94 -0.03 -2.02	18.43 -0.07 -1.65	6.71 -0.01 -3.14
SYRACUSE___POWER 24017	-8.79 0.07 -5.92	-14.97 0.10 -6.36	1.36 0.01 -3.65	4.45 -0.01 -3.51	-6.78 0.01 -4.77	-7.55 -0.01 -5.07	-6.15 -0.01 -4.56	-5.26 -0.03 -4.66	11.06 -0.01 -2.41	3.62 0.00 -3.73	17.13 -0.01 -2.10	24.24 -0.04 -1.13	26.71 -0.09 -0.82	18.82 -0.07 -1.71	16.67 -0.08 -2.15	14.74 -0.06 -2.39	21.10 -0.08 -1.46	31.10 -0.08 -0.12	33.50 -0.08 -0.01	34.61 -0.06 -0.01	24.73 -0.02 -1.13	18.05 -0.02 -2.12	18.53 -0.05 -1.73	6.87 -0.01 -3.30
TALLMAN__138KV_BK151 55660	36.16 -0.76 -51.69	33.06 -1.09 -55.58	29.50 -0.11 -31.92	31.69 0.04 -30.71	29.54 -0.60 -41.70	31.04 -0.66 -44.30	28.55 -0.60 -39.85	30.31 -0.54 -40.75	30.18 0.46 -21.06	32.48 0.00 -32.58	34.23 0.85 -18.33	34.38 1.34 -9.89	34.62 1.48 -7.16	33.13 1.04 -14.90	34.24 0.87 -18.77	34.01 0.73 -20.87	33.71 1.20 -12.79	33.99 1.87 -1.06	35.50 1.84 -0.09	36.67 1.90 -0.13	34.86 1.39 -9.84	35.34 0.89 -18.50	32.86 0.91 -15.08	32.59 0.20 -28.82
TEALLAVE_115KV_TB7 355573	-9.67 0.15 -4.96	-15.88 0.21 -5.33	0.78 0.02 -3.06	3.88 -0.02 -2.95	-7.49 0.07 -4.00	-8.30 0.06 -4.25	-6.83 0.04 -3.82	-5.96 0.02 -3.91	10.62 -0.05 -2.02	3.02 0.00 -3.13	16.71 -0.09 -1.76	23.94 -0.16 -0.95	26.45 -0.21 -0.69	18.46 -0.15 -1.43	16.26 -0.14 -1.80	14.29 -0.12 -2.00	20.76 -0.18 -1.23	30.92 -0.24 -0.10	33.30 -0.27 -0.01	34.40 -0.26 -0.01	24.41 -0.16 -0.94	17.62 -0.11 -1.78	18.17 -0.14 -1.45	6.31 -0.03 -2.77
TELGRAPH_34_KV_EAST 80808	-8.05 0.51 -6.22	-12.34 0.72 -8.36	2.60 0.06 -4.85	5.46 -0.11 -4.62	-5.27 0.01 -6.28	-5.99 -0.04 -6.67	-4.74 -0.04 -6.00	-3.84 -0.07 -6.13	11.62 -0.20 -3.17	4.71 -0.01 -4.82	13.33 -0.39 1.32	22.14 -0.80 0.21	26.03 -1.02 -1.08	18.75 -0.68 -2.24	16.83 -0.59 -2.82	14.95 -0.61 -3.14	20.56 -1.08 -1.92	29.76 -1.46 -0.16	31.98 -1.60 -0.01	33.07 -1.60 -0.02	23.84 -1.27 -1.48	17.85 -0.88 -2.78	18.32 -0.81 -2.27	7.76 -0.15 -4.33

TEMPLE___115KV_TB 2 55572	-9.60 0.15 -5.03	-15.82 0.20 -5.40	0.82 0.02 -3.10	3.91 -0.02 -2.98	-7.44 0.06 -4.05	-8.25 0.05 -4.31	-6.78 0.04 -3.87	-5.91 0.02 -3.96	10.65 -0.05 -2.05	3.06 0.00 -3.17	16.74 -0.08 -1.78	23.97 -0.15 -0.96	26.48 -0.20 -0.70	18.49 -0.14 -1.45	16.30 -0.13 -1.82	14.33 -0.11 -2.03	20.79 -0.17 -1.24	30.94 -0.22 -0.10	33.32 -0.26 -0.01	34.42 -0.25 -0.01	24.44 -0.14 -0.96	17.64 -0.10 -1.80	18.19 -0.13 -1.47	6.35 -0.03 -2.80
TIANA___69_KV_BK 1 55817	36.71 -1.28 -52.77	33.50 -1.81 -56.74	30.10 -0.17 -32.59	32.37 0.07 -31.35	30.19 -0.82 -42.57	31.83 -0.78 -45.22	29.20 -0.77 -40.67	30.98 -0.72 -41.59	30.76 0.61 -21.50	33.16 0.01 -33.26	35.19 1.44 -18.71	35.43 2.18 -10.09	35.66 2.38 -7.31	34.01 1.62 -15.21	35.25 1.49 -19.16	34.90 1.18 -21.30	34.71 1.94 -13.05	35.17 3.02 -1.09	36.48 2.81 -0.09	37.93 3.15 -0.13	35.88 2.21 -10.04	36.16 1.32 -18.89	33.67 1.42 -15.40	33.26 0.27 -29.41
TILDEN___115KV_TB1 80814	-8.79 0.07 -5.92	-14.97 0.10 -6.36	1.36 0.01 -3.65	4.45 -0.01 -3.51	-6.78 0.01 -4.77	-7.55 -0.01 -5.07	-6.15 -0.01 -4.56	-5.26 -0.03 -4.66	11.06 0.00 -2.41	3.62 0.00 -3.73	17.13 -0.01 -2.10	24.24 -0.04 -1.13	26.71 -0.09 -0.82	18.82 -0.07 -1.71	16.67 -0.08 -2.15	14.74 -0.06 -2.39	21.10 -0.08 -1.46	31.10 -0.08 -0.12	33.50 -0.08 -0.01	34.61 -0.06 -0.01	24.73 -0.02 -1.13	18.05 -0.02 -2.12	18.53 -0.05 -1.73	6.87 -0.01 -3.30
TRIGEN___CC 323695	37.12 -0.87 -52.77	34.08 -1.24 -56.74	30.15 -0.12 -32.59	32.34 0.04 -31.35	30.36 -0.65 -42.57	31.95 -0.66 -45.22	29.34 -0.63 -40.67	31.13 -0.57 -41.59	30.64 0.49 -21.50	33.16 0.00 -33.26	34.82 1.06 -18.71	34.90 1.66 -10.09	35.09 1.81 -7.31	33.65 1.25 -15.21	34.85 1.09 -19.16	34.60 0.88 -21.30	34.21 1.44 -13.05	34.39 2.24 -1.09	35.76 2.10 -0.09	37.06 2.28 -0.13	35.32 1.65 -10.04	35.85 1.01 -18.89	33.32 1.06 -15.40	33.21 0.21 -29.41
TRINITY___115KV___ 4 BK 55933	45.01 -0.39 -60.17	42.72 -0.55 -64.69	34.78 -0.07 -37.16	36.72 0.02 -35.75	36.63 -0.35 -48.54	38.58 -0.38 -51.57	35.36 -0.33 -46.38	37.24 -0.29 -47.43	33.37 0.20 -24.51	37.82 0.00 -37.93	36.75 0.37 -21.34	35.23 0.57 -11.51	34.96 0.65 -8.33	34.94 0.40 -17.34	36.80 0.35 -21.85	37.00 0.29 -24.29	35.07 0.47 -14.88	33.02 0.73 -1.24	34.47 0.80 -0.11	35.54 0.74 -0.15	35.64 0.56 -11.45	37.88 0.40 -21.54	34.88 0.46 -17.56	37.24 0.12 -33.54
UNION___PROCESSING_DRP 323587	-8.03 0.27 -6.47	-14.08 0.39 -6.96	1.77 0.03 -4.05	4.74 -0.05 -3.84	-6.34 -0.01 -5.22	-7.11 -0.04 -5.54	-5.75 -0.04 -4.99	-4.86 -0.06 -5.10	11.21 -0.08 -2.64	3.96 -0.01 -4.08	17.17 -0.16 -2.29	24.03 -0.36 -1.24	26.43 -0.44 -0.90	18.77 -0.28 -1.86	16.72 -0.23 -2.35	14.79 -0.23 -2.61	20.87 -0.44 -1.60	30.67 -0.53 -0.13	33.00 -0.58 -0.01	34.09 -0.45 -0.02	24.41 -0.30 -1.23	17.96 -0.30 -2.31	18.44 -0.30 -1.89	7.12 -0.06 -3.61
UPPER HUDSON___HYD 24058	46.16 -0.96 -61.89	43.88 -1.24 -66.55	35.77 -0.13 -38.22	37.78 0.06 -36.77	37.67 -0.70 -49.93	39.64 -0.79 -53.04	36.32 -0.69 -47.71	38.25 -0.63 -48.78	34.42 0.55 -25.21	38.90 0.00 -39.01	37.97 0.98 -21.95	36.43 1.43 -11.84	36.13 1.58 -8.57	35.99 0.96 -17.84	37.89 0.82 -22.47	38.13 0.73 -24.99	36.34 1.31 -15.31	34.49 2.15 -1.27	36.16 2.48 -0.11	37.32 2.51 -0.15	37.04 1.63 -11.78	39.28 1.18 -22.15	36.12 1.20 -18.06	38.33 0.25 -34.50
UPPER RAQUET___HYD 24056	-13.74 0.19 -0.85	-20.22 0.29 -0.91	-1.76 0.03 -0.52	1.46 0.01 -0.50	-10.61 0.27 -0.68	-11.56 0.32 -0.72	-9.77 0.27 -0.65	-8.97 0.26 -0.67	8.82 -0.18 -0.34	0.42 -0.01 -0.53	14.92 -0.42 -0.30	22.73 -0.59 -0.16	25.47 -0.62 -0.12	17.04 -0.39 -0.24	14.59 -0.32 -0.31	12.50 -0.25 -0.34	19.46 -0.47 -0.21	30.37 -0.71 -0.02	32.89 -0.68 0.00	34.08 -0.58 0.00	23.41 -0.38 -0.16	16.09 -0.16 -0.30	16.90 -0.21 -0.25	3.99 -0.05 -0.47
VALLEY44___115KV_TB2 355964	-5.37 0.99 -8.42	-9.65 1.33 -10.45	3.89 0.13 -6.07	6.64 -0.08 -5.77	-3.41 0.31 -7.84	-4.04 0.24 -8.33	-3.01 0.20 -7.49	-2.09 0.15 -7.66	12.32 -0.29 -3.96	5.95 0.00 -6.05	14.63 -0.41 0.00	22.70 -0.87 -0.42	26.11 -1.21 -1.35	19.16 -0.83 -2.80	17.40 -0.73 -3.53	15.67 -0.67 -3.92	21.04 -1.08 -2.41	29.76 -1.50 -0.20	31.87 -1.72 -0.02	32.97 -1.71 -0.02	24.11 -1.37 -1.85	18.47 -0.95 -3.48	18.71 -0.98 -2.84	8.81 -0.18 -5.42
VALLEY___115KV_TB 1-4 80826	-15.40 -0.62 0.00	-21.79 -0.37 0.00	-2.35 -0.04 0.00	0.95 0.01 0.00	-11.81 -0.25 0.00	-12.92 -0.31 0.00	-10.96 -0.26 0.00	-10.15 -0.25 0.00	8.84 0.19 0.00	-0.10 0.00 0.00	15.45 0.41 0.00	23.66 0.50 0.00	26.55 0.58 0.00	17.58 0.40 0.00	14.92 0.31 0.00	12.64 0.23 0.00	20.15 0.43 0.00	31.67 0.60 0.00	34.31 0.75 0.00	35.42 0.76 0.00	24.29 0.66 0.00	16.37 0.42 0.00	17.27 0.41 0.00	3.69 0.11 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	8.78 -0.66 -24.22	3.61 -1.01 -26.04	12.53 -0.10 -14.93	15.37 0.04 -14.39	7.45 -0.53 -19.54	7.55 -0.59 -20.75	7.50 -0.47 -18.67	8.72 -0.47 -19.09	18.91 0.39 -9.87	15.15 0.00 -15.26	24.38 0.75 -8.59	28.92 1.13 -4.63	30.58 1.25 -3.36	25.01 0.84 -6.98	24.08 0.68 -8.79	22.77 0.58 -9.78	26.65 0.94 -5.99	33.10 1.54 -0.50	35.24 1.63 -0.04	36.35 1.64 -0.06	29.40 1.17 -4.61	25.36 0.75 -8.67	24.66 0.73 -7.07	17.23 0.15 -13.50
VISCHER___FERRY HYD 24020	45.69 -0.56 -61.03	43.43 -0.75 -65.61	35.29 -0.08 -37.68	37.23 0.03 -36.25	37.22 -0.44 -49.23	39.20 -0.49 -52.30	35.92 -0.42 -47.04	37.82 -0.38 -48.10	33.82 0.31 -24.86	38.36 0.00 -38.46	37.25 0.56 -21.64	35.68 0.85 -11.67	35.39 0.96 -8.45	35.38 0.60 -17.59	37.28 0.52 -22.15	37.49 0.44 -24.63	35.53 0.72 -15.09	33.45 1.14 -1.26	34.92 1.25 -0.11	36.02 1.22 -0.15	36.13 0.89 -11.61	38.41 0.62 -21.84	35.34 0.68 -17.81	37.74 0.15 -34.02
V_A_10_SYNC_DSASP 323832	-7.98 0.66 -6.13	-12.45 0.92 -8.05	2.44 0.08 -4.66	5.29 -0.10 -4.45	-5.38 0.13 -6.04	-6.10 0.09 -6.42	-4.85 0.07 -5.78	-3.96 0.04 -5.90	11.46 -0.24 -3.05	4.53 -0.01 -4.65	13.66 -0.50 0.89	22.24 -0.87 0.04	26.01 -1.01 -1.04	18.68 -0.66 -2.16	16.77 -0.55 -2.72	14.90 -0.54 -3.02	20.56 -1.00 -1.85	29.76 -1.46 -0.15	31.88 -1.70 -0.01	32.93 -1.75 -0.02	23.74 -1.32 -1.43	17.74 -0.88 -2.68	18.20 -0.84 -2.19	7.59 -0.16 -4.18
V_CMM_10_SYNC_DSASP 323787	-14.76 0.02 0.00	-21.37 0.06 0.00	-2.31 0.00 0.00	0.96 0.02 0.00	-11.44 0.12 0.00	-12.46 0.15 0.00	-10.57 0.12 0.00	-9.77 0.13 0.00	8.58 -0.07 0.00	-0.11 0.00 0.00	14.86 -0.18 0.00	22.92 -0.23 0.00	25.75 -0.22 0.00	17.05 -0.13 0.00	14.51 -0.09 0.00	12.34 -0.07 0.00	19.58 -0.14 0.00	30.82 -0.24 0.00	33.32 -0.25 0.00	34.45 -0.21 0.00	23.46 -0.17 0.00	15.84 -0.10 0.00	16.75 -0.11 0.00	3.54 -0.03 0.00
V_CMP_10_SYNC_DSASP 323788	-14.88 -0.10 0.00	-21.49 -0.07 0.00	-2.32 0.00 0.00	0.97 0.03 0.00	-11.41 0.15 0.00	-12.39 0.22 0.00	-10.48 0.21 0.00	-9.68 0.22 0.00	8.50 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.79 -0.36 0.00	25.61 -0.37 0.00	16.96 -0.22 0.00	14.44 -0.16 0.00	12.34 -0.08 0.00	19.56 -0.15 0.00	30.88 -0.18 0.00	33.48 -0.08 0.00	34.65 0.00 0.00	23.70 0.07 0.00	16.00 0.06 0.00	16.88 0.03 0.00	3.58 0.00 0.00



V_D_10_SYNC_DSASP 323841	-14.80 -0.02 0.00	-21.44 -0.01 0.00	-2.31 0.00 0.00	0.97 0.02 0.00	-11.48 0.08 0.00	-12.50 0.11 0.00	-10.60 0.09 0.00	-9.80 0.10 0.00	8.61 -0.04 0.00	-0.11 0.00 0.00	14.89 -0.15 0.00	22.97 -0.19 0.00	25.82 -0.16 0.00	17.10 -0.09 0.00	14.55 -0.06 0.00	12.37 -0.04 0.00	19.62 -0.10 0.00	30.89 -0.17 0.00	33.41 -0.16 0.00	34.55 -0.10 0.00	23.54 -0.09 0.00	15.91 -0.04 0.00	16.82 -0.04 0.00	3.56 -0.02 0.00
V_E_10_SYNC_DSASP 323830	2.47 -0.41 -17.65	-3.28 -0.44 -18.58	8.35 0.02 -10.64	11.19 -0.03 -10.27	2.16 -0.22 -13.94	1.93 -0.27 -14.81	2.42 -0.21 -13.32	3.28 -0.45 -13.62	15.95 0.26 -7.04	10.79 -0.01 -10.91	22.54 0.40 -7.10	27.29 0.42 -3.71	28.66 0.30 -2.39	22.44 0.27 -4.98	20.99 0.11 -6.27	19.44 0.05 -6.98	24.22 0.23 -4.28	32.14 0.73 -0.36	34.61 1.01 -0.03	36.12 1.42 -0.04	27.98 1.07 -3.29	22.72 0.59 -6.19	22.40 0.50 -5.05	13.35 0.14 -9.63
V_F_30_NSYNC___DSASP 323816	46.25 -0.75 -61.78	43.98 -1.03 -66.42	35.73 -0.11 -38.15	37.69 0.04 -36.70	37.69 -0.58 -49.83	39.68 -0.65 -52.94	36.36 -0.56 -47.62	38.28 -0.52 -48.70	34.26 0.44 -25.17	38.83 0.00 -38.94	37.75 0.80 -21.91	36.17 1.20 -11.82	35.86 1.32 -8.56	35.83 0.83 -17.80	37.74 0.71 -22.43	37.98 0.62 -24.94	36.03 1.03 -15.28	34.00 1.67 -1.27	35.54 1.86 -0.11	36.68 1.88 -0.15	36.67 1.29 -11.76	38.95 0.89 -22.11	35.82 0.93 -18.03	38.21 0.20 -34.44
V_F_30_SYNC_DSASP 323786	45.36 -0.43 -60.57	43.08 -0.62 -65.12	35.02 -0.07 -37.40	36.95 0.03 -35.98	36.91 -0.39 -48.86	38.88 -0.42 -51.91	35.63 -0.36 -46.68	37.52 -0.33 -47.74	33.56 0.23 -24.67	38.07 0.00 -38.17	36.95 0.43 -21.48	35.39 0.65 -11.59	35.11 0.74 -8.39	35.11 0.47 -17.46	37.00 0.40 -21.99	37.21 0.34 -24.45	35.24 0.54 -14.98	33.15 0.85 -1.25	34.60 0.93 -0.11	35.69 0.88 -0.15	35.81 0.65 -11.52	38.08 0.45 -21.68	35.05 0.52 -17.67	37.47 0.13 -33.76
V_XM_10_SYNC_DSASP 323789	-14.88 -0.10 0.00	-21.49 -0.07 0.00	-2.32 0.00 0.00	0.97 0.03 0.00	-11.41 0.15 0.00	-12.39 0.22 0.00	-10.48 0.21 0.00	-9.68 0.22 0.00	8.50 -0.15 0.00	-0.11 0.00 0.00	14.77 -0.27 0.00	22.79 -0.36 0.00	25.61 -0.37 0.00	16.96 -0.22 0.00	14.44 -0.16 0.00	12.34 -0.08 0.00	19.56 -0.15 0.00	30.88 -0.18 0.00	33.48 -0.08 0.00	34.65 0.00 0.00	23.70 0.07 0.00	16.00 0.06 0.00	16.88 0.03 0.00	3.58 0.00 0.00
W.BABYLN_69_KV_BK1 56697	36.80 -1.19 -52.77	33.66 -1.65 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.16 -0.85 -42.57	31.76 -0.85 -45.22	29.16 -0.82 -40.67	30.95 -0.75 -41.59	30.79 0.64 -21.50	33.16 0.01 -33.26	35.18 1.43 -18.71	35.48 2.23 -10.09	35.70 2.41 -7.31	34.04 1.65 -15.21	35.21 1.45 -19.16	34.89 1.18 -21.30	34.68 1.91 -13.05	35.12 2.98 -1.09	36.46 2.80 -0.09	37.88 3.09 -0.13	35.88 2.21 -10.04	36.18 1.34 -18.89	33.68 1.43 -15.40	33.27 0.28 -29.41
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	36.33 -0.81 -51.91	33.23 -1.16 -55.81	29.63 -0.12 -32.06	31.82 0.04 -30.84	29.68 -0.63 -41.88	31.18 -0.70 -44.49	28.69 -0.63 -40.02	30.45 -0.57 -40.92	30.30 0.49 -21.15	32.62 0.00 -32.72	34.36 0.91 -18.41	34.51 1.43 -9.93	34.75 1.58 -7.19	33.25 1.10 -14.96	34.38 0.92 -18.85	34.15 0.78 -20.96	33.83 1.28 -12.84	34.12 1.99 -1.07	35.63 1.98 -0.09	36.81 2.03 -0.13	34.99 1.49 -9.88	35.48 0.95 -18.58	32.99 0.98 -15.15	32.72 0.21 -28.94
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	37.21 -0.78 -52.76	34.21 -1.10 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.40 -0.61 -42.56	31.95 -0.66 -45.22	29.35 -0.62 -40.67	31.14 -0.55 -41.59	30.66 0.51 -21.49	33.15 0.01 -33.25	34.64 0.88 -18.71	34.64 1.40 -10.09	34.83 1.54 -7.31	33.49 1.10 -15.21	34.66 0.91 -19.16	34.47 0.76 -21.30	34.03 1.26 -13.05	34.12 1.97 -1.09	35.60 1.94 -0.09	36.78 2.00 -0.13	35.14 1.47 -10.04	35.76 0.92 -18.89	33.23 0.97 -15.40	33.20 0.21 -29.41
W50THST__13_KV_LOAD 356117	37.15 -0.84 -52.76	34.12 -1.19 -56.73	30.15 -0.12 -32.58	32.34 0.05 -31.35	30.34 -0.66 -42.56	31.89 -0.72 -45.22	29.30 -0.67 -40.67	31.09 -0.60 -41.59	30.70 0.55 -21.49	33.15 0.00 -33.25	34.72 0.97 -18.71	34.77 1.52 -10.09	34.97 1.68 -7.31	33.58 1.19 -15.21	34.75 0.99 -19.16	34.54 0.83 -21.30	34.14 1.37 -13.05	34.29 2.15 -1.09	35.78 2.12 -0.09	36.96 2.18 -0.13	35.26 1.60 -10.04	35.84 1.01 -18.89	33.31 1.06 -15.40	33.21 0.22 -29.41
WADING RIVER_IC_1 23522	36.80 -1.20 -52.77	33.63 -1.68 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.21 -0.79 -42.57	31.84 -0.77 -45.22	29.21 -0.76 -40.67	30.99 -0.70 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.30 2.06 -10.09	35.51 2.23 -7.31	33.92 1.52 -15.21	35.20 1.44 -19.16	34.85 1.13 -21.30	34.63 1.86 -13.05	35.04 2.90 -1.09	36.34 2.68 -0.09	37.79 3.01 -0.13	35.78 2.12 -10.04	36.11 1.27 -18.89	33.63 1.38 -15.40	33.24 0.25 -29.41
WADING RIVER_IC_2 23547	36.80 -1.20 -52.77	33.63 -1.68 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.21 -0.79 -42.57	31.84 -0.77 -45.22	29.21 -0.76 -40.67	30.99 -0.70 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.30 2.06 -10.09	35.51 2.23 -7.31	33.92 1.52 -15.21	35.20 1.44 -19.16	34.85 1.13 -21.30	34.63 1.86 -13.05	35.04 2.90 -1.09	36.34 2.68 -0.09	37.79 3.01 -0.13	35.78 2.12 -10.04	36.11 1.27 -18.89	33.63 1.38 -15.40	33.24 0.25 -29.41
WADING RIVER_IC_3 23601	36.80 -1.20 -52.77	33.63 -1.68 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.21 -0.79 -42.57	31.84 -0.77 -45.22	29.21 -0.76 -40.67	30.99 -0.70 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.13 1.37 -18.71	35.30 2.06 -10.09	35.51 2.23 -7.31	33.92 1.52 -15.21	35.20 1.44 -19.16	34.85 1.13 -21.30	34.63 1.86 -13.05	35.04 2.90 -1.09	36.34 2.68 -0.09	37.79 3.01 -0.13	35.78 2.12 -10.04	36.11 1.27 -18.89	33.63 1.38 -15.40	33.24 0.25 -29.41
WALDENNY_12_KV_BK2 80841	-7.74 0.69 -6.35	-11.00 0.97 -9.45	3.26 0.09 -5.48	6.07 -0.10 -5.22	-4.34 0.12 -7.09	-5.01 0.06 -7.54	-3.86 0.05 -6.78	-2.97 0.00 -6.93	12.00 -0.24 -3.58	5.30 -0.01 -5.42	11.40 -0.42 3.22	21.38 -0.81 0.96	26.22 -0.97 -1.22	19.07 -0.65 -2.53	17.26 -0.53 -3.19	15.42 -0.54 -3.55	20.95 -0.94 -2.18	29.94 -1.30 -0.18	32.06 -1.53 -0.02	33.16 -1.51 -0.02	24.05 -1.25 -1.67	18.23 -0.86 -3.15	18.62 -0.81 -2.57	8.33 -0.15 -4.90
WALDEN___HYDRO 24148	36.46 -0.74 -51.98	33.39 -1.07 -55.88	29.67 -0.11 -32.09	31.86 0.04 -30.88	29.78 -0.58 -41.92	31.30 -0.63 -44.54	28.79 -0.58 -40.06	30.55 -0.52 -40.97	30.28 0.45 -21.17	32.65 0.00 -32.76	34.32 0.85 -18.43	34.42 1.32 -9.94	34.64 1.46 -7.20	33.18 1.01 -14.98	34.32 0.85 -18.87	34.11 0.71 -20.98	33.76 1.18 -12.86	33.98 1.85 -1.07	35.52 1.86 -0.09	36.69 1.91 -0.13	34.91 1.40 -9.89	35.44 0.89 -18.61	32.93 0.91 -15.16	32.74 0.19 -28.97
WARRENSBURG____ 23737	46.16 -0.96 -61.89	43.88 -1.24 -66.55	35.77 -0.13 -38.22	37.78 0.06 -36.77	37.67 -0.70 -49.93	39.64 -0.79 -53.04	36.32 -0.69 -47.71	38.25 -0.63 -48.78	34.41 0.55 -25.21	38.90 -0.01 -39.01	37.97 0.98 -21.95	36.43 1.44 -11.84	36.13 1.58 -8.57	35.99 0.97 -17.84	37.89 0.82 -22.47	38.13 0.74 -24.99	36.34 1.31 -15.31	34.49 2.15 -1.27	36.16 2.48 -0.11	37.32 2.51 -0.15	37.04 1.63 -11.78	39.28 1.18 -22.15	36.12 1.20 -18.06	38.33 0.25 -34.50

WATERSIDE___6 8 9 23538	37.23 -0.76 -52.77	34.23 -1.08 -56.73	30.16 -0.11 -32.58	32.33 0.04 -31.35	30.41 -0.60 -42.56	31.96 -0.64 -45.22	29.36 -0.61 -40.67	31.15 -0.54 -41.59	30.65 0.50 -21.50	33.16 0.01 -33.25	34.61 0.86 -18.71	34.61 1.37 -10.09	34.80 1.52 -7.31	33.48 1.08 -15.21	34.65 0.89 -19.16	34.46 0.74 -21.30	34.01 1.24 -13.05	34.07 1.93 -1.09	35.56 1.90 -0.09	36.74 1.95 -0.13	35.11 1.44 -10.04	35.74 0.91 -18.89	33.22 0.96 -15.40	33.19 0.20 -29.41
WATKINRD_115KV_LN8_ILLION 55919	-15.77 -0.99 0.00	-22.15 -0.73 0.00	-2.39 -0.08 0.00	0.97 0.03 0.00	-12.04 -0.48 0.00	-13.19 -0.58 0.00	-11.19 -0.49 0.00	-10.37 -0.47 0.00	9.02 0.36 0.00	-0.10 0.00 0.00	15.79 0.75 0.00	24.11 0.96 0.00	27.04 1.06 0.00	17.91 0.72 0.00	15.19 0.58 0.00	12.85 0.44 0.00	20.51 0.79 0.00	32.23 1.17 0.00	34.98 1.41 0.00	36.10 1.44 0.00	24.80 1.18 0.00	16.71 0.76 0.00	17.60 0.74 0.00	3.76 0.18 0.00
WDELAWARE___HYD 323627	34.78 -0.75 -50.31	31.59 -1.08 -54.09	28.64 -0.11 -31.06	30.87 0.04 -29.89	28.45 -0.57 -40.58	29.87 -0.63 -43.11	27.51 -0.57 -38.77	29.23 -0.52 -39.65	29.61 0.46 -20.49	31.60 0.00 -31.71	33.78 0.90 -17.84	34.14 1.37 -9.62	34.45 1.51 -6.97	32.73 1.04 -14.50	33.73 0.86 -18.27	33.46 0.73 -20.31	33.35 1.19 -12.44	33.99 1.89 -1.04	35.56 1.90 -0.09	36.76 1.98 -0.12	34.65 1.45 -9.57	34.87 0.92 -18.01	32.46 0.92 -14.68	31.81 0.19 -28.04
WEST BABYLON___IC 23714	36.80 -1.19 -52.77	33.66 -1.65 -56.74	30.11 -0.16 -32.59	32.36 0.06 -31.35	30.16 -0.85 -42.57	31.76 -0.85 -45.22	29.16 -0.82 -40.67	30.95 -0.75 -41.59	30.79 0.64 -21.50	33.16 0.01 -33.26	35.18 1.43 -18.71	35.48 2.23 -10.09	35.70 2.41 -7.31	34.04 1.65 -15.21	35.21 1.45 -19.16	34.89 1.18 -21.30	34.68 1.91 -13.05	35.12 2.98 -1.09	36.46 2.80 -0.09	37.88 3.09 -0.13	35.88 2.21 -10.04	36.18 1.34 -18.89	33.68 1.43 -15.40	33.27 0.28 -29.41
WEST CANADA___HYD 24049	-14.84 -0.07 0.00	-21.51 -0.09 0.00	-2.32 -0.01 0.00	0.95 0.00 0.00	-11.62 -0.06 0.00	-12.67 -0.06 0.00	-10.75 -0.06 0.00	-9.95 -0.05 0.00	8.69 0.03 0.00	-0.10 0.00 0.00	15.12 0.08 0.00	23.27 0.11 0.00	26.11 0.13 0.00	17.27 0.08 0.00	14.66 0.06 0.00	12.46 0.05 0.00	19.80 0.08 0.00	31.19 0.13 0.00	33.70 0.13 0.00	34.80 0.14 0.00	23.75 0.12 0.00	16.03 0.08 0.00	16.94 0.09 0.00	3.60 0.02 0.00
WESTERN_NY_WIND 24143	-8.28 0.27 -6.23	-12.90 0.38 -8.14	2.44 0.03 -4.72	5.36 -0.08 -4.50	-5.59 -0.13 -6.10	-6.33 -0.20 -6.49	-5.04 -0.18 -5.83	-4.13 -0.20 -5.97	11.65 -0.09 -3.08	4.59 -0.01 -4.70	14.03 -0.18 0.83	22.60 -0.53 0.02	26.26 -0.77 -1.05	18.89 -0.48 -2.18	16.89 -0.46 -2.75	15.00 -0.47 -3.06	20.74 -0.85 -1.87	30.21 -1.00 -0.16	32.64 -0.94 -0.01	33.82 -0.86 -0.02	24.36 -0.70 -1.44	18.16 -0.50 -2.71	18.62 -0.45 -2.21	7.71 -0.08 -4.22
WESTOVER___LESR 323668	3.28 -0.03 -18.08	-2.06 -0.08 -19.44	8.81 0.00 -11.12	11.69 0.00 -10.74	2.93 -0.10 -14.59	2.74 -0.14 -15.50	3.12 -0.12 -13.94	4.22 -0.14 -14.25	16.09 0.07 -7.37	11.29 0.00 -11.40	21.59 0.14 -6.41	26.76 0.15 -3.46	28.59 0.11 -2.50	22.47 0.07 -5.21	21.22 0.05 -6.56	19.76 0.05 -7.30	24.30 0.11 -4.47	31.63 0.20 -0.37	33.81 0.21 -0.03	34.94 0.24 -0.04	27.25 0.18 -3.44	22.52 0.10 -6.47	22.21 0.07 -5.28	13.68 0.02 -10.08
WETHRSFD_WT_PWR 323626	-11.27 1.03 -2.48	-9.53 1.47 -10.42	2.89 0.16 -5.04	6.60 -0.11 -5.76	-3.28 0.47 -7.82	-3.90 0.40 -8.31	-2.90 0.33 -7.47	-2.00 0.26 -7.64	12.16 -0.44 -3.95	5.64 0.00 -5.75	-1.11 -0.75 15.40	15.93 -1.23 5.99	25.89 -1.43 -1.34	19.03 -0.95 -2.79	17.40 -0.72 -3.52	15.67 -0.65 -3.91	21.15 -0.96 -2.40	29.96 -1.30 -0.20	32.23 -1.35 -0.02	33.33 -1.35 -0.02	24.37 -1.11 -1.84	18.64 -0.78 -3.47	18.93 -0.76 -2.83	8.84 -0.14 -5.40
WHAVSTOR_138KV_BK127 55557	36.44 -0.74 -51.96	33.38 -1.06 -55.87	29.67 -0.11 -32.08	31.85 0.03 -30.87	29.77 -0.58 -41.91	31.28 -0.63 -44.53	28.78 -0.58 -40.05	30.54 -0.52 -40.96	30.27 0.45 -21.17	32.65 0.00 -32.75	34.30 0.83 -18.43	34.39 1.30 -9.94	34.61 1.44 -7.20	33.18 1.01 -14.97	34.32 0.85 -18.86	34.10 0.71 -20.98	33.74 1.17 -12.85	33.95 1.82 -1.07	35.45 1.79 -0.09	36.63 1.84 -0.13	34.87 1.35 -9.89	35.41 0.86 -18.60	32.91 0.89 -15.16	32.73 0.19 -28.96
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	36.44 -0.74 -51.96	33.38 -1.06 -55.87	29.67 -0.11 -32.08	31.85 0.03 -30.87	29.77 -0.58 -41.91	31.28 -0.63 -44.53	28.78 -0.58 -40.05	30.54 -0.52 -40.96	30.27 0.45 -21.17	32.65 0.00 -32.75	34.30 0.83 -18.43	34.39 1.30 -9.94	34.61 1.44 -7.20	33.18 1.01 -14.97	34.32 0.85 -18.86	34.10 0.71 -20.98	33.74 1.17 -12.85	33.95 1.82 -1.07	35.45 1.79 -0.09	36.63 1.84 -0.13	34.87 1.35 -9.89	35.41 0.86 -18.60	32.91 0.89 -15.16	32.73 0.19 -28.96
WHITEHAL_115KV_TB1 80871	45.69 -1.37 -61.84	43.50 -1.56 -66.49	35.71 -0.17 -38.18	37.77 0.09 -36.73	37.47 -0.85 -49.88	39.38 -1.00 -52.99	36.09 -0.88 -47.66	38.07 -0.77 -48.74	34.51 0.67 -25.19	38.87 0.00 -38.97	38.32 1.35 -21.93	36.90 1.92 -11.83	36.88 2.34 -8.57	36.37 1.36 -17.82	38.21 1.16 -22.45	38.44 1.06 -24.96	36.83 1.82 -15.29	35.32 2.99 -1.27	37.12 3.45 -0.11	38.20 3.40 -0.15	37.60 2.21 -11.77	39.73 1.65 -22.13	36.63 1.73 -18.04	38.41 0.36 -34.47
WHITEPLN_13_KV_LOAD 356215	37.00 -0.95 -52.72	33.93 -1.34 -56.69	30.11 -0.14 -32.56	32.32 0.05 -31.32	30.24 -0.73 -42.53	31.78 -0.79 -45.18	29.22 -0.72 -40.64	31.00 -0.66 -41.56	30.72 0.58 -21.48	33.13 0.00 -33.23	34.82 1.08 -18.70	34.94 1.70 -10.08	35.16 1.88 -7.30	33.69 1.30 -15.20	34.83 1.08 -19.14	34.61 0.91 -21.28	34.27 1.52 -13.04	34.51 2.37 -1.09	36.03 2.37 -0.09	37.22 2.43 -0.13	35.42 1.76 -10.03	35.95 1.13 -18.87	33.41 1.17 -15.38	33.20 0.23 -29.39
WM_FLOYD_69_KV_BK2 356380	36.81 -1.19 -52.77	33.64 -1.67 -56.74	30.12 -0.16 -32.59	32.36 0.07 -31.35	30.20 -0.81 -42.57	31.82 -0.79 -45.22	29.20 -0.77 -40.67	30.98 -0.71 -41.59	30.74 0.59 -21.50	33.16 0.01 -33.26	35.14 1.38 -18.71	35.37 2.12 -10.09	35.59 2.30 -7.31	33.96 1.57 -15.21	35.20 1.44 -19.16	34.86 1.14 -21.30	34.63 1.86 -13.05	35.05 2.90 -1.09	36.34 2.68 -0.09	37.80 3.02 -0.13	35.80 2.13 -10.04	36.12 1.29 -18.89	33.64 1.38 -15.40	33.25 0.26 -29.41
WOODARD__115KV_TB2 355635	-9.57 0.17 -5.04	-15.77 0.24 -5.42	0.83 0.03 -3.11	3.92 -0.02 -2.99	-7.40 0.09 -4.06	-8.21 0.08 -4.32	-6.75 0.07 -3.88	-5.88 0.05 -3.97	10.64 -0.07 -2.05	3.07 0.00 -3.17	16.71 -0.12 -1.79	23.92 -0.20 -0.96	26.42 -0.25 -0.70	18.46 -0.18 -1.45	16.27 -0.16 -1.83	14.31 -0.14 -2.03	20.75 -0.21 -1.25	30.87 -0.30 -0.10	33.24 -0.33 -0.01	34.35 -0.32 -0.01	24.39 -0.19 -0.96	17.62 -0.13 -1.80	18.16 -0.17 -1.47	6.35 -0.03 -2.81
YORK___WARBASSE 23770	37.18 -0.81 -52.77	34.16 -1.15 -56.73	30.15 -0.12 -32.58	32.33 0.04 -31.35	30.38 -0.63 -42.56	31.92 -0.68 -45.22	29.33 -0.65 -40.67	31.12 -0.57 -41.59	30.68 0.53 -21.50	33.16 0.01 -33.25	34.66 0.91 -18.71	34.69 1.45 -10.09	34.89 1.61 -7.31	33.54 1.15 -15.21	34.70 0.94 -19.16	34.50 0.78 -21.30	34.08 1.31 -13.05	34.20 2.05 -1.09	35.68 2.02 -0.09	36.86 2.08 -0.13	35.19 1.53 -10.04	35.80 0.97 -18.89	33.28 1.03 -15.40	33.21 0.22 -29.41