

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

08/18/2023

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	33.53	30.90	26.51	25.83	27.15	27.40	29.62	31.63	46.83	31.58	38.28	35.35	26.10	31.37	74.06	35.57	37.02	32.41	49.99	30.48	30.20	25.65	24.49	21.68
24138	-0.88	-1.67	-0.76	0.15	-0.07	-0.61	0.35	0.22	0.14	-0.06	-0.11	-0.12	-0.23	-0.30	-0.85	0.18	-0.67	-0.40	-0.50	-0.09	-0.12	-0.34	0.16	-0.29
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.26	-27.36	-44.49	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
74TH STREET_GT_1	33.45	30.74	26.45	25.84	27.15	27.36	29.64	31.63	46.83	31.58	38.27	35.34	26.09	31.37	74.02	35.57	36.99	32.40	49.96	30.47	30.19	25.64	24.50	21.66
24260	-0.96	-1.83	-0.83	0.17	-0.07	-0.66	0.37	0.23	0.14	-0.07	-0.12	-0.12	-0.24	-0.30	-0.88	0.18	-0.70	-0.42	-0.53	-0.09	-0.12	-0.36	0.17	-0.31
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
74TH STREET_GT_2	33.45	30.74	26.45	25.84	27.15	27.36	29.64	31.63	46.83	31.58	38.27	35.34	26.09	31.37	74.02	35.57	36.99	32.40	49.96	30.47	30.19	25.64	24.50	21.66
24261	-0.96	-1.83	-0.83	0.17	-0.07	-0.66	0.37	0.23	0.14	-0.07	-0.12	-0.12	-0.24	-0.30	-0.88	0.18	-0.70	-0.42	-0.53	-0.09	-0.12	-0.36	0.17	-0.31
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
ADK HUDSON___FALLS	51.92	54.71	41.58	33.72	37.15	41.59	34.76	30.61	45.02	43.43	38.77	30.00	34.32	41.31	97.37	44.21	49.51	42.64	65.40	38.92	38.73	34.01	30.20	28.87
24011	-1.28	-2.29	-0.99	0.21	-0.09	-0.83	0.44	0.23	0.12	-0.15	-0.12	-0.08	-0.14	-0.20	-0.69	0.15	-0.61	-0.39	-0.60	-0.11	-0.15	-0.40	0.17	-0.34
	-72.43	-94.11	-58.98	-30.19	-38.64	-55.54	-27.31	-26.32	-42.69	-45.97	-40.79	-31.71	-37.41	-45.34	-110.45	-41.52	-59.52	-48.84	-74.22	-40.52	-41.03	-40.25	-27.30	-34.62
ADK RESOURCE___RCVRY	51.71	54.39	41.46	33.78	37.16	41.47	34.86	30.66	45.07	43.43	38.77	30.00	34.32	41.30	97.32	44.26	49.43	42.59	65.33	38.92	38.73	33.96	30.25	28.83
23798	-1.54	-2.67	-1.16	0.25	-0.11	-0.99	0.52	0.28	0.14	-0.17	-0.14	-0.10	-0.17	-0.22	-0.80	0.18	-0.72	-0.46	-0.71	-0.13	-0.18	-0.46	0.20	-0.40
	-72.47	-94.17	-59.02	-30.21	-38.67	-55.58	-27.33	-26.33	-42.72	-46.00	-40.81	-31.72	-37.43	-45.36	-110.52	-41.54	-59.56	-48.87	-74.27	-40.54	-41.05	-40.28	-27.31	-34.64
ADK S GLENS___FALLS	51.92	54.71	41.58	33.72	37.15	41.59	34.76	30.61	45.02	43.43	38.77	30.00	34.32	41.31	97.37	44.21	49.51	42.64	65.40	38.92	38.73	34.01	30.20	28.87
24028	-1.28	-2.29	-0.99	0.21	-0.09	-0.83	0.44	0.23	0.12	-0.15	-0.12	-0.08	-0.14	-0.20	-0.69	0.15	-0.61	-0.39	-0.60	-0.11	-0.15	-0.40	0.17	-0.34
	-72.43	-94.11	-58.98	-30.19	-38.64	-55.54	-27.31	-26.32	-42.69	-45.97	-40.79	-31.71	-37.41	-45.34	-110.45	-41.52	-59.52	-48.84	-74.22	-40.52	-41.03	-40.25	-27.30	-34.62
ADK_NYS___DAM	49.65	51.88	39.61	32.41	35.62	39.69	33.56	29.94	43.71	41.65	37.64	29.34	33.07	39.81	93.79	42.62	47.80	41.15	63.14	37.53	37.35	32.78	29.14	27.80
23527	-0.61	-1.30	-0.57	0.12	-0.05	-0.49	0.20	0.10	0.05	-0.06	-0.07	-0.05	-0.07	-0.09	-0.33	0.04	-0.21	-0.13	-0.22	-0.05	-0.07	-0.19	0.08	-0.17
	-69.48	-90.28	-56.58	-28.97	-37.08	-53.29	-26.34	-25.78	-41.45	-44.10	-39.61	-31.01	-36.08	-43.74	-106.52	-40.04	-57.41	-47.11	-71.58	-39.07	-39.57	-38.82	-26.32	-33.38
AIR_PRODUCTS___DRP	50.56	53.57	40.43	32.42	35.84	40.38	33.38	29.56	43.54	41.91	37.63	29.19	33.23	40.00	94.37	42.73	48.12	41.39	63.53	37.70	37.54	33.06	29.16	28.07
24190	-0.01	-0.01	0.00	0.00	0.00	-0.03	0.00	-0.01	0.00	0.01	-0.02	-0.01	-0.02	-0.03	-0.11	0.01	-0.08	-0.05	-0.07	-0.01	-0.02	-0.04	0.01	-0.02
	-69.79	-90.69	-56.83	-29.10	-37.24	-53.52	-26.35	-25.51	-41.33	-44.30	-39.54	-30.83	-36.20	-43.87	-106.88	-40.17	-57.60	-47.26	-71.82	-39.21	-39.70	-38.95	-26.41	-33.50
AKWESSNE_115KV_BK	-76.24	-51.32	-39.03	-48.94	-41.67	-23.60	-195.95	-263.71	-121.34	-33.87	-41.45	-291.79	-310.58	-17.93	-19.83	-19.55	-36.29	-23.23	-20.19	-25.65	-19.10	-10.86	-16.85	-13.06
355683	2.90	5.86	2.55	-0.50	0.20	1.81	-1.09	-0.69	-0.37	0.40	0.32	0.27	0.50	0.62	1.99	-0.35	1.57	0.94	1.30	0.24	0.32	0.89	-0.48	0.85
	59.92	20.07	25.18	51.76	40.46	12.30	201.87	267.08	123.18	31.88	39.88	290.44	308.14	14.72	9.42	21.74	28.46	18.34	13.26	24.40	17.28	5.90	19.12	8.50
ALBANY___1	50.56	53.57	40.43	32.42	35.84	40.38	33.38	29.56	43.54	41.91	37.63	29.19	33.23	40.00	94.37	42.73	48.12	41.39	63.53	37.70	37.54	33.06	29.16	28.07
23571	-0.01	-0.01	0.00	0.00	0.00	-0.03	0.00	-0.01	0.00	0.01	-0.02	-0.01	-0.02	-0.03	-0.11	0.01	-0.08	-0.05	-0.07	-0.01	-0.02	-0.04	0.01	-0.02
	-69.79	-90.69	-56.83	-29.10	-37.24	-53.52	-26.35	-25.51	-41.33	-44.30	-39.54	-30.83	-36.20	-43.87	-106.88	-40.17	-57.60	-47.26	-71.82	-39.21	-39.70	-38.95	-26.41	-33.50
ALBANY___2	50.56	53.57	40.43	32.42	35.84	40.38	33.38	29.56	43.54	41.91	37.63	29.19	33.23	40.00	94.37	42.73	48.12	41.39	63.53	37.70	37.54	33.06	29.16	28.07
23572	-0.01	-0.01	0.00	0.00	0.00	-0.03	0.00	-0.01	0.00	0.01	-0.02	-0.01	-0.02	-0.03	-0.11	0.01	-0.08	-0.05	-0.07	-0.01	-0.02	-0.04	0.01	-0.02
	-69.79	-90.69	-56.83	-29.10	-37.24	-53.52	-26.35	-25.51	-41.33	-44.30	-39.54	-30.83	-36.20	-43.87	-106.88	-40.17	-57.60	-47.26	-71.82	-39.21	-39.70	-38.95	-26.41	-33.50
ALBANY___3	50.56	53.57	40.43	32.42	35.84	40.38	33.38	29.56	43.54	41.91	37.63	29.19	33.23	40.00	94.37	42.73	48.12	41.39	63.53	37.70	37.54	33.06	29.16	28.07
23573	-0.01	-0.01	0.00	0.00	0.00	-0.03	0.00	-0.01	0.00	0.01	-0.02	-0.01	-0.02	-0.03	-0.11	0.01	-0.08	-0.05	-0.07	-0.01	-0.02	-0.04	0.01	-0.02
	-69.79	-90.69	-56.83	-29.10	-37.24	-53.52	-26.35	-25.51	-41.33	-44.30	-39.54	-30.83	-36.20	-43.87	-106.88	-40.17	-57.60	-47.26	-71.82	-39.21	-39.70	-38.95	-26.41	-33.50

ALBANY___4 23574	50.56 -0.01 -69.79	53.57 -0.01 -90.69	40.43 0.00 -56.83	32.42 0.00 -29.10	35.84 0.00 -37.24	40.38 -0.03 -53.52	33.38 0.00 -26.35	29.56 -0.01 -25.51	43.54 0.00 -41.33	41.91 0.01 -44.30	37.63 -0.02 -39.54	29.19 -0.01 -30.83	33.23 -0.02 -36.20	40.00 -0.03 -43.87	94.37 -0.11 -106.88	42.73 0.01 -40.17	48.12 -0.08 -57.60	41.39 -0.05 -47.26	63.53 -0.07 -71.82	37.70 -0.01 -39.21	37.54 -0.02 -39.70	33.06 -0.04 -38.95	29.16 0.01 -26.41	28.07 -0.02 -33.50
ALBANY___LFGE 323615	51.08 -0.23 -70.53	54.11 -0.43 -91.65	40.85 -0.18 -57.44	32.76 0.05 -29.41	36.22 -0.02 -37.63	40.81 -0.17 -54.09	33.73 0.08 -26.63	29.86 0.04 -25.76	43.97 0.03 -41.73	42.36 -0.02 -44.77	37.97 -0.04 -39.91	29.44 -0.03 -31.09	33.54 -0.06 -36.54	40.37 -0.08 -44.29	95.23 -0.26 -107.89	43.15 0.05 -40.55	48.55 -0.20 -58.14	41.77 -0.12 -47.71	64.11 -0.16 -72.50	38.06 -0.03 -39.58	37.89 -0.04 -40.07	33.37 -0.10 -39.32	29.44 0.04 -26.66	28.33 -0.07 -33.81
ALCOA_PA_115KV_PL-6C 55860	-80.55 2.85 64.17	-52.87 5.76 21.52	-40.87 2.50 26.97	-52.53 -0.49 55.36	-44.49 0.20 43.29	-24.52 1.77 13.18	-209.94 -1.06 215.90	-282.24 -0.67 285.63	-129.89 -0.36 131.75	-36.18 0.39 34.17	-44.20 0.31 42.62	-312.20 0.27 310.84	-332.24 0.49 329.78	-19.05 0.60 15.82	-20.64 1.93 10.17	-21.14 -0.34 23.34	-38.39 1.52 30.52	-24.61 0.91 19.69	-21.24 1.26 14.27	-27.40 0.23 26.14	-20.33 0.31 18.50	-11.35 0.87 6.36	-18.24 -0.46 20.52	-13.73 0.82 9.15
ALCOA_RYNLDS___DRP 24188	-80.55 2.85 64.17	-52.87 5.76 21.52	-40.87 2.50 26.97	-52.53 -0.49 55.36	-44.49 0.20 43.29	-24.52 1.77 13.18	-209.94 -1.06 215.90	-282.24 -0.67 285.63	-129.89 -0.36 131.75	-36.18 0.39 34.17	-44.20 0.31 42.62	-312.20 0.27 310.84	-332.24 0.49 329.78	-19.05 0.60 15.82	-20.64 1.93 10.17	-21.14 -0.34 23.34	-38.39 1.52 30.52	-24.61 0.91 19.69	-21.24 1.26 14.27	-27.40 0.23 26.14	-20.33 0.31 18.50	-11.35 0.87 6.36	-18.24 -0.46 20.52	-13.73 0.82 9.15
ALCOA___DSASP 323711	-80.54 2.85 64.17	-52.85 5.78 21.52	-40.88 2.50 26.97	-52.56 -0.52 55.36	-44.50 0.19 43.29	-24.53 1.76 13.18	-209.94 -1.06 215.90	-282.24 -0.67 285.63	-129.89 -0.35 131.75	-36.18 0.39 34.17	-44.20 0.31 42.62	-312.20 0.27 310.84	-332.24 0.49 329.78	-19.05 0.60 15.82	-20.65 1.92 10.17	-21.14 -0.34 23.34	-38.39 1.52 30.52	-24.61 0.91 19.69	-21.24 1.26 14.27	-27.40 0.23 26.14	-20.32 0.31 18.50	-11.34 0.87 6.36	-18.24 -0.46 20.52	-13.73 0.82 9.15
ALLEGHENY___COGEN 23514	-3.71 -1.51 -17.03	-28.58 -2.86 -11.39	-10.47 -1.21 -7.14	7.20 0.23 -3.65	3.17 -0.10 -4.68	-7.31 -0.92 -6.72	10.72 0.47 -3.23	7.23 0.27 -2.90	7.18 0.13 -4.85	2.94 -0.23 -5.56	3.36 -0.02 -5.27	2.43 0.00 -4.06	2.18 -0.02 -5.15	2.36 -0.04 -6.24	2.54 -0.29 -15.23	8.33 0.06 -5.73	-1.40 0.85 -8.21	0.85 -0.06 -6.74	1.81 -0.20 -10.24	4.04 -0.05 -5.59	3.42 -0.10 -5.66	-0.60 -0.30 -5.55	6.67 0.17 -3.76	-0.98 -0.34 -4.77
ALTAMONT_115KV_TB 2 55880	50.24 -0.32 -69.79	52.95 -0.61 -90.68	40.16 -0.27 -56.83	32.47 0.06 -29.10	35.81 -0.03 -37.24	40.17 -0.23 -53.52	33.46 0.12 -26.33	29.53 0.06 -25.41	43.50 0.04 -41.25	41.87 -0.03 -44.29	37.54 -0.05 -39.48	29.08 -0.04 -30.75	33.16 -0.07 -36.18	39.92 -0.09 -43.85	94.14 -0.29 -106.82	42.75 0.05 -40.15	47.95 -0.22 -57.57	41.28 -0.13 -47.24	63.36 -0.20 -71.78	37.66 -0.04 -39.19	37.49 -0.05 -39.68	32.95 -0.13 -38.93	29.20 0.06 -26.40	27.96 -0.11 -33.48
ALTONA_WT_PWR 323606	-78.35 2.41 61.53	-52.89 4.84 20.62	-40.14 2.12 25.86	-50.25 -0.45 53.12	-42.77 0.16 41.53	-24.27 1.48 12.63	-201.03 -0.87 207.18	-270.62 -0.58 274.09	-124.54 -0.33 126.42	-34.82 0.32 32.75	-42.45 0.29 40.85	-299.54 0.24 298.15	-318.80 0.47 316.32	-18.36 0.61 15.13	-20.15 1.95 9.70	-20.20 -0.40 22.35	-37.30 1.34 29.24	-23.77 0.90 18.85	-20.64 1.23 13.64	-26.34 0.21 25.06	-19.59 0.30 17.74	-11.06 0.86 6.08	-17.31 -0.40 19.64	-13.42 0.73 8.74
AMERICAN_REF_FUEL 24010	-11.76 -1.04 -8.50	-28.72 -1.89 -10.28	-10.74 -0.78 -6.44	6.76 0.15 -3.30	2.75 -0.07 -4.22	-7.60 -0.55 -6.07	10.05 0.12 -2.92	6.77 0.10 -2.62	6.61 0.03 -4.37	2.40 -0.23 -5.02	2.91 0.05 -4.75	2.09 0.05 -3.66	1.79 0.09 -4.65	1.91 0.11 -5.64	1.56 0.21 -13.75	7.75 0.04 -5.17	-1.88 0.11 -7.41	0.40 0.14 -6.08	1.15 0.14 -9.24	3.56 0.01 -5.04	2.99 0.03 -5.11	-0.83 0.02 -5.01	6.21 0.08 -3.40	-1.24 -0.13 -4.31
ARKWRIGHT___SUMMIT_WT_PWR 323751	-10.46 -0.77 -9.53	-27.45 -1.85 -11.51	-9.83 -0.64 -7.21	7.13 0.12 -3.69	3.25 -0.08 -4.73	-6.95 -0.62 -6.79	10.48 0.20 -3.26	7.12 0.13 -2.93	7.13 0.03 -4.90	3.07 -0.16 -5.62	3.46 0.03 -5.32	2.51 0.04 -4.10	2.33 0.07 -5.20	2.55 0.08 -6.30	3.07 0.09 -15.38	8.36 0.04 -5.78	-0.98 0.13 -8.29	1.10 0.12 -6.80	2.23 0.12 -10.34	4.16 0.01 -5.64	3.56 -0.02 -5.72	-0.33 -0.09 -5.61	6.63 0.09 -3.80	-0.80 -0.21 -4.82
ARTHUR_KILL_GT_1 23520	33.63 -0.78 -53.63	31.10 -1.48 -69.69	26.53 -0.75 -43.67	25.83 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.56 -41.13	29.60 0.32 -22.25	30.65 0.20 -26.39	35.36 0.14 -33.01	31.66 0.02 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.15 -0.75 -87.30	35.54 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.02 -0.47 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.34 -31.85	24.48 0.15 -21.59	21.68 -0.29 -27.39
ARTHUR_KILL_2 23512	33.69 -0.72 -53.63	31.22 -1.35 -69.69	26.58 -0.70 -43.67	25.81 0.14 -22.36	27.16 -0.05 -28.62	27.50 -0.52 -41.13	29.57 0.30 -22.25	30.63 0.19 -26.39	35.35 0.13 -33.01	31.67 0.03 -34.04	38.29 -0.10 -40.28	35.35 -0.11 -37.09	26.12 -0.21 -29.27	31.42 -0.25 -35.51	74.19 -0.71 -87.30	35.54 0.15 -32.84	37.12 -0.57 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.68 -0.32 -31.85	24.48 0.14 -21.59	21.70 -0.28 -27.39
ARTHUR_KILL_3 23513	33.73 -0.68 -53.63	31.29 -1.29 -69.69	26.68 -0.59 -43.67	25.79 0.12 -22.36	27.17 -0.05 -28.62	27.55 -0.47 -41.13	29.53 0.26 -22.25	30.61 0.16 -26.39	35.34 0.11 -33.02	31.62 -0.02 -34.04	38.30 -0.09 -40.28	35.37 -0.10 -37.09	26.13 -0.20 -29.27	31.42 -0.25 -35.51	74.22 -0.69 -87.31	35.53 0.14 -32.84	37.15 -0.54 -47.09	32.49 -0.32 -38.64	50.08 -0.40 -58.72	30.49 -0.07 -32.05	30.22 -0.09 -32.46	25.72 -0.27 -31.85	24.46 0.13 -21.59	21.73 -0.24 -27.39
ARTHUR_KILL_COGEN 323718	33.63 -0.78 -53.63	31.10 -1.48 -69.69	26.53 -0.75 -43.67	25.83 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.56 -41.13	29.60 0.32 -22.25	30.65 0.20 -26.39	35.36 0.14 -33.01	31.66 0.02 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.15 -0.75 -87.30	35.54 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.02 -0.47 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.34 -31.85	24.48 0.15 -21.59	21.68 -0.29 -27.39
ASHOKAN____ 23654	42.06 -0.24 -61.53	42.41 -0.43 -79.95	33.52 -0.18 -50.10	29.02 0.06 -25.65	31.41 -0.02 -32.83	33.90 -0.17 -47.18	30.10 0.12 -22.96	25.58 0.10 -21.43	36.31 0.08 -34.02	36.66 0.01 -39.05	32.15 -0.04 -34.08	24.06 -0.04 -25.72	29.62 -0.09 -32.65	35.63 -0.11 -39.58	83.82 -0.27 -96.49	38.91 0.10 -36.27	42.34 -0.27 -52.00	36.70 -0.15 -42.67	56.38 -0.24 -64.84	33.86 -0.04 -35.40	33.64 -0.06 -35.84	29.16 -0.16 -35.17	26.69 0.11 -23.84	24.73 -0.10 -30.24

ASTORIA_EAST_ENERGY_CC1 323581	33.57 -0.84 -53.63	30.98 -1.59 -69.69	26.54 -0.73 -43.67	25.83 0.15 -22.36	27.16 -0.06 -28.62	27.43 -0.58 -41.13	29.61 0.33 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.28 -0.10 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.56 0.18 -32.84	37.08 -0.61 -47.09	32.44 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.09 -32.05	30.21 -0.10 -32.46	25.67 -0.33 -31.84	24.47 0.14 -21.59	21.69 -0.29 -27.39
ASTORIA_EAST_ENERGY_CC2 323582	33.57 -0.84 -53.63	30.98 -1.59 -69.69	26.54 -0.73 -43.67	25.83 0.15 -22.36	27.16 -0.06 -28.62	27.43 -0.58 -41.13	29.61 0.33 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.28 -0.10 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.56 0.18 -32.84	37.08 -0.61 -47.09	32.44 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.09 -32.05	30.21 -0.10 -32.46	25.67 -0.33 -31.84	24.47 0.14 -21.59	21.69 -0.29 -27.39
ASTORIA_GT2_1 24094	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT2_2 24095	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT2_3 24096	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT2_4 24097	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT3_1 24098	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT3_2 24099	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT3_3 24100	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT3_4 24101	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT4_1 24102	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT4_2 24103	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT4_3 24104	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT4_4 24105	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.14 -21.59	21.68 -0.29 -27.38
ASTORIA_GT_1 23523	33.51 -0.89 -53.63	30.88 -1.69 -69.69	26.50 -0.78 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.63 0.22 -27.35	46.83 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.08 -0.83 -87.31	35.57 0.19 -32.84	37.04 -0.65 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.47 -0.09 -32.05	30.20 -0.11 -32.46	25.65 -0.34 -31.84	24.48 0.15 -21.59	21.67 -0.30 -27.39

ASTORIA_GT_10 24110	33.59 -0.82 -53.63	31.01 -1.56 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
ASTORIA_GT_11 24225	33.59 -0.82 -53.63	31.01 -1.56 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
ASTORIA_GT_12 24226	33.59 -0.82 -53.63	31.01 -1.56 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
ASTORIA_GT_13 24227	33.59 -0.82 -53.63	31.01 -1.56 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
ASTORIA_GT_5 24106	33.51 -0.89 -53.63	30.88 -1.69 -69.69	26.50 -0.78 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.63 0.22 -27.35	46.83 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.08 -0.83 -87.31	35.57 0.19 -32.84	37.04 -0.65 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.47 -0.09 -32.05	30.20 -0.11 -32.46	25.65 -0.34 -31.84	24.48 0.15 -21.59	21.67 -0.30 -27.39
ASTORIA_GT_7 24107	33.51 -0.89 -53.63	30.88 -1.69 -69.69	26.50 -0.78 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.63 0.22 -27.35	46.83 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.08 -0.83 -87.31	35.57 0.19 -32.84	37.04 -0.65 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.47 -0.09 -32.05	30.20 -0.11 -32.46	25.65 -0.34 -31.84	24.48 0.15 -21.59	21.67 -0.30 -27.39
ASTORIA_GT_8 24108	33.51 -0.89 -53.63	30.89 -1.69 -69.69	26.50 -0.78 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.63 0.22 -27.35	46.84 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.08 -0.83 -87.31	35.57 0.19 -32.84	37.04 -0.65 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.47 -0.09 -32.05	30.20 -0.11 -32.46	25.65 -0.34 -31.84	24.48 0.15 -21.59	21.67 -0.30 -27.38
ASTORIA___2 24149	33.56 -0.85 -53.63	30.97 -1.61 -69.69	26.53 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.01 -34.04	38.28 -0.10 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.10 -32.46	25.66 -0.33 -31.84	24.47 0.14 -21.59	21.68 -0.29 -27.39
ASTORIA___3 23516	33.59 -0.82 -53.63	31.01 -1.56 -69.69	26.56 -0.72 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
ASTORIA___4 23517	33.59 -0.82 -53.63	31.02 -1.56 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
ASTORIA___5 23518	33.59 -0.82 -53.63	31.01 -1.57 -69.69	26.56 -0.72 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
AST_ENERGY_2_CC3 323677	33.67 -0.74 -53.63	31.16 -1.42 -69.69	26.62 -0.65 -43.67	25.81 0.13 -22.36	27.16 -0.06 -28.62	27.50 -0.51 -41.13	29.56 0.29 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.10 -37.09	26.13 -0.20 -29.27	31.41 -0.26 -35.51	74.18 -0.73 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.70 -0.30 -31.84	24.47 0.14 -21.59	21.72 -0.26 -27.38
AST_ENERGY_2_CC4 323678	33.67 -0.74 -53.63	31.16 -1.42 -69.69	26.62 -0.65 -43.67	25.81 0.13 -22.36	27.16 -0.06 -28.62	27.50 -0.51 -41.13	29.56 0.29 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.10 -37.09	26.13 -0.20 -29.27	31.41 -0.26 -35.51	74.18 -0.73 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.70 -0.30 -31.84	24.47 0.14 -21.59	21.72 -0.26 -27.38
ATHENS_STG_1 23668	41.79 -0.41 -61.42	41.91 -0.79 -79.81	33.27 -0.35 -50.02	29.00 0.08 -25.61	31.34 -0.03 -32.78	33.70 -0.29 -47.11	30.47 0.16 -23.29	26.96 0.09 -22.82	39.45 0.06 -37.19	36.56 -0.03 -38.99	33.85 -0.06 -35.80	26.61 -0.05 -28.28	29.41 -0.10 -32.46	35.37 -0.13 -39.34	83.01 -0.40 -95.81	38.64 0.08 -36.01	41.92 -0.32 -51.63	36.36 -0.19 -42.37	55.90 -0.26 -64.38	33.61 -0.05 -35.15	33.39 -0.06 -35.59	28.90 -0.17 -34.92	26.49 0.08 -23.68	24.47 -0.15 -30.03
ATHENS_STG_2 23670	41.79 -0.41 -61.42	41.91 -0.79 -79.81	33.27 -0.35 -50.02	29.00 0.08 -25.61	31.34 -0.03 -32.78	33.70 -0.29 -47.11	30.47 0.16 -23.29	26.96 0.09 -22.82	39.45 0.06 -37.19	36.56 -0.03 -38.99	33.85 -0.06 -35.80	26.61 -0.05 -28.28	29.41 -0.10 -32.46	35.37 -0.13 -39.34	83.01 -0.40 -95.81	38.64 0.08 -36.01	41.92 -0.32 -51.63	36.36 -0.19 -42.37	55.90 -0.26 -64.38	33.61 -0.05 -35.15	33.39 -0.06 -35.59	28.90 -0.17 -34.92	26.49 0.08 -23.68	24.47 -0.15 -30.03

ATHENS_STG_3 23677	41.79 -0.41 -61.42	41.91 -0.79 -79.81	33.27 -0.35 -50.02	29.00 0.08 -25.61	31.34 -0.03 -32.78	33.70 -0.29 -47.11	30.47 0.16 -23.29	26.96 0.09 -22.82	39.45 0.06 -37.19	36.56 -0.03 -38.99	33.85 -0.06 -35.80	26.61 -0.05 -28.28	29.41 -0.10 -32.46	35.37 -0.13 -39.34	83.01 -0.40 -95.81	38.64 0.08 -36.01	41.92 -0.32 -51.63	36.36 -0.19 -42.37	55.90 -0.26 -64.38	33.61 -0.05 -35.15	33.39 -0.06 -35.59	28.90 -0.17 -34.92	26.49 0.08 -23.68	24.47 -0.15 -30.03
AUBURN___LFGE 323710	-12.99 -0.67 -6.91	-29.87 -1.29 -8.52	-11.64 -0.58 -5.34	6.16 0.11 -2.73	2.05 -0.05 -3.50	-8.47 -0.39 -5.03	9.67 0.23 -2.42	6.38 0.15 -2.17	5.91 0.08 -3.63	1.68 -0.09 -4.16	2.01 -0.04 -3.95	1.39 -0.02 -3.04	0.87 -0.04 -3.86	0.78 -0.06 -4.68	-1.30 -0.31 -11.41	6.90 0.07 -4.29	-3.46 -0.21 -6.15	-0.90 -0.13 -5.05	-0.74 -0.18 -7.67	2.66 -0.03 -4.19	2.04 -0.05 -4.24	-1.83 -0.14 -4.16	5.63 0.07 -2.82	-1.97 -0.13 -3.57
BABYLON_RES_REC 323704	33.37 -1.06 -53.66	30.29 -2.33 -69.72	26.20 -1.10 -43.70	25.92 0.23 -22.37	27.14 -0.09 -28.63	27.19 -0.85 -41.15	29.75 0.48 -22.25	31.67 0.29 -27.32	46.78 0.20 -44.37	31.55 -0.12 -34.06	41.00 -0.16 -43.05	42.86 -0.15 -44.63	32.17 -0.24 -35.35	31.60 -0.32 -35.75	74.47 -0.75 -87.62	38.50 0.18 -35.78	45.58 -0.68 -55.65	47.40 -0.43 -53.65	62.63 -0.56 -71.42	32.59 -0.10 -34.18	30.17 -0.15 -32.46	25.53 -0.48 -31.85	24.58 0.24 -21.60	21.61 -0.37 -27.39
BABYLON__69_KV_BK2 356345	33.12 -1.31 -53.66	29.78 -2.84 -69.72	25.97 -1.33 -43.70	25.96 0.28 -22.37	27.13 -0.11 -28.63	27.00 -1.03 -41.15	29.85 0.58 -22.25	31.73 0.35 -27.32	46.81 0.24 -44.37	31.51 -0.16 -34.06	46.52 -0.19 -48.60	54.88 -0.18 -56.69	32.61 -0.32 -35.87	31.59 -0.42 -35.85	75.68 -1.09 -89.16	48.32 0.24 -45.54	71.89 -0.92 -82.21	90.56 -0.58 -96.96	96.52 -0.75 -105.51	38.11 -0.13 -39.73	30.12 -0.20 -32.46	25.43 -0.57 -31.85	24.63 0.29 -21.60	21.53 -0.45 -27.39
BARON_WINDS___WT_PWR 323822	-18.09 -0.36 -1.49	-23.53 -0.89 -14.47	-7.66 -0.33 -9.07	8.02 0.06 -4.64	4.52 -0.02 -5.94	-4.78 -0.20 -8.54	11.25 0.12 -4.11	7.82 0.08 -3.69	8.39 0.02 -6.16	4.54 -0.13 -7.07	4.85 0.05 -6.69	3.57 0.04 -5.15	3.66 0.07 -6.54	4.15 0.06 -7.93	7.05 0.11 -19.34	9.83 0.01 -7.27	1.22 0.19 -10.42	2.87 0.14 -8.56	4.95 0.18 -13.00	5.64 0.03 -7.10	5.08 0.04 -7.19	1.24 0.04 -7.05	7.52 0.01 -4.78	0.63 -0.02 -6.06
BARRETT_IC_1 23704	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_10 23701	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_11 23702	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_12 23703	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_2 23705	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_3 23706	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_4 23707	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_5 23708	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_6 23709	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_7 23710	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.60 -0.28 -35.72	74.26 -0.67 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.10	32.46 -0.36 -38.65	50.06 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39

BARRETT_IC_8 23711	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT_IC_9 23700	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT___1 23545	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BARRETT___2 23546	33.57 -0.86 -53.66	30.79 -1.83 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.61 0.34 -22.25	31.57 0.19 -27.32	46.72 0.14 -44.37	31.61 -0.06 -34.06	38.93 -0.11 -40.94	38.33 -0.12 -40.07	32.11 -0.21 -35.26	31.61 -0.27 -35.72	74.26 -0.68 -87.33	35.56 0.16 -32.85	37.11 -0.59 -47.11	32.47 -0.36 -38.65	50.05 -0.45 -58.73	30.50 -0.07 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.50 0.16 -21.60	21.73 -0.25 -27.39
BATAVIA___115KV_TB1 55881	-12.86 -1.64 -8.00	-30.64 -2.98 -9.45	-11.73 -1.26 -5.93	6.59 0.24 -3.03	2.37 -0.11 -3.88	-8.48 -0.94 -5.58	10.09 0.39 -2.68	6.71 0.25 -2.41	6.34 0.11 -4.02	1.94 -0.28 -4.62	2.44 -0.04 -4.37	1.72 -0.02 -3.37	1.28 -0.05 -4.28	1.27 -0.07 -5.18	-0.08 -0.33 -12.65	7.41 0.11 -4.75	-2.84 -0.26 -6.82	-0.35 -0.12 -5.59	0.05 -0.22 -8.50	3.10 -0.05 -4.64	2.48 -0.07 -4.70	-1.48 -0.24 -4.61	6.03 0.17 -3.12	-1.77 -0.32 -3.96
BAYONEEC___CTG1 323682	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG10 323750	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG2 323683	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG3 323684	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG4 323685	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG5 323686	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG6 323687	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG7 323688	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG8 323689	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
BAYONEEC___CTG9 323749	33.65 -0.76 -53.63	31.12 -1.46 -69.69	26.61 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38

BEACON___LESR 323632	50.17 -0.32 -69.71	52.86 -0.61 -90.58	40.12 -0.25 -56.77	32.43 0.06 -29.06	35.77 -0.03 -37.20	40.15 -0.19 -53.46	33.47 0.13 -26.33	29.62 0.06 -25.50	43.53 0.03 -41.29	41.80 -0.05 -44.24	37.57 -0.05 -39.51	29.14 -0.04 -30.81	33.14 -0.08 -36.16	39.89 -0.10 -43.83	94.05 -0.32 -106.77	42.74 0.06 -40.13	47.88 -0.26 -57.54	41.24 -0.15 -47.22	63.32 -0.21 -71.75	37.64 -0.04 -39.17	37.46 -0.05 -39.66	32.94 -0.13 -38.91	29.18 0.05 -26.38	27.96 -0.09 -33.46
BEAVER RIVER___HYD 24048	-18.08 1.55 0.40	-28.47 3.16 -5.47	-10.41 1.37 -4.62	37.87 -0.24 -34.80	26.55 0.11 -27.84	-1.94 0.86 -10.31	138.48 -0.40 -131.86	177.76 -0.27 -173.97	83.55 -0.12 -81.47	-19.52 0.18 17.30	-20.79 0.16 19.06	32.83 0.14 -34.31	36.58 0.25 -39.28	-26.27 0.31 22.74	-27.59 1.06 16.25	-31.29 -0.24 33.60	-23.73 0.82 15.16	-25.66 0.47 20.31	-26.35 0.67 18.80	1.91 0.12 -3.29	11.17 0.13 -13.18	-19.58 0.47 14.21	-24.84 -0.23 27.35	-27.90 0.46 22.96
BEEBEE_GT_13 23619	-12.98 -0.93 -7.17	-30.64 -1.69 -8.16	-11.99 -0.71 -5.11	6.07 0.13 -2.62	1.89 -0.06 -3.35	-8.81 -0.51 -4.81	9.55 0.22 -2.32	6.26 0.13 -2.08	5.73 0.05 -3.47	1.42 -0.17 -3.98	1.85 -0.03 -3.77	1.27 -0.02 -2.91	0.72 -0.02 -3.69	0.60 -0.03 -4.47	-1.68 -0.19 -10.91	6.67 0.03 -4.10	-3.69 -0.17 -5.88	-1.06 -0.06 -4.82	-1.01 -0.11 -7.33	2.48 -0.03 -4.00	1.86 -0.05 -4.05	-2.01 -0.14 -3.98	5.52 0.09 -2.70	-2.18 -0.19 -3.42
BENSHRST_27_KV_BENSHRST_1 355998	33.38 -1.03 -53.63	30.62 -1.96 -69.69	26.37 -0.90 -43.67	25.85 0.18 -22.36	27.14 -0.07 -28.62	27.32 -0.70 -41.13	29.67 0.40 -22.25	31.65 0.25 -27.35	46.85 0.16 -44.48	31.61 -0.03 -34.04	38.26 -0.13 -40.28	35.33 -0.13 -37.09	26.07 -0.25 -29.27	31.35 -0.32 -35.51	73.96 -0.94 -87.31	35.59 0.20 -32.84	36.95 -0.74 -47.09	32.37 -0.45 -38.64	49.92 -0.57 -58.72	30.46 -0.10 -32.05	30.18 -0.13 -32.46	25.60 -0.40 -31.85	24.52 0.19 -21.59	21.63 -0.35 -27.39
BETHLEHEM___GRP 23843	50.56 -0.01 -69.79	53.57 -0.01 -90.69	40.43 0.00 -56.83	32.42 0.00 -29.10	35.84 0.00 -37.24	40.38 -0.03 -53.52	33.38 0.00 -26.35	29.56 -0.01 -25.51	43.54 0.00 -41.33	41.91 0.01 -44.30	37.63 -0.02 -39.54	29.19 -0.01 -30.83	33.23 -0.02 -36.20	40.00 -0.03 -43.87	94.37 -0.11 -106.88	42.73 0.01 -40.17	48.12 -0.08 -57.60	41.39 -0.05 -47.26	63.53 -0.07 -71.82	37.70 -0.01 -39.21	37.54 -0.02 -39.70	33.06 -0.04 -38.95	29.16 0.01 -26.41	28.07 -0.02 -33.50
BETHLEHEM___GS1 323560	50.56 -0.01 -69.79	53.57 -0.01 -90.69	40.43 0.00 -56.83	32.42 0.00 -29.10	35.84 0.00 -37.24	40.38 -0.03 -53.52	33.38 0.00 -26.35	29.56 -0.01 -25.51	43.54 0.00 -41.33	41.92 0.01 -44.30	37.63 -0.02 -39.54	29.19 -0.01 -30.83	33.23 -0.02 -36.20	40.00 -0.03 -43.87	94.37 -0.10 -106.88	42.73 0.01 -40.17	48.12 -0.08 -57.60	41.39 -0.05 -47.26	63.53 -0.07 -71.82	37.70 -0.01 -39.21	37.54 -0.02 -39.70	33.06 -0.04 -38.95	29.16 0.01 -26.41	28.07 -0.02 -33.50
BETHLEHEM___GS2 323561	50.56 -0.01 -69.79	53.57 -0.01 -90.69	40.43 0.00 -56.83	32.42 0.00 -29.10	35.84 0.00 -37.24	40.38 -0.03 -53.52	33.38 0.00 -26.35	29.56 -0.01 -25.51	43.54 0.00 -41.33	41.92 0.01 -44.30	37.63 -0.02 -39.54	29.19 -0.01 -30.83	33.23 -0.02 -36.20	40.00 -0.03 -43.87	94.37 -0.10 -106.88	42.73 0.01 -40.17	48.12 -0.08 -57.60	41.39 -0.05 -47.26	63.53 -0.07 -71.82	37.70 -0.01 -39.21	37.54 -0.02 -39.70	33.06 -0.04 -38.95	29.16 0.01 -26.41	28.07 -0.02 -33.50
BETHLEHEM___GS3 323562	50.56 -0.01 -69.79	53.57 -0.01 -90.69	40.43 0.00 -56.83	32.42 0.00 -29.10	35.84 0.00 -37.24	40.38 -0.03 -53.52	33.38 0.00 -26.35	29.56 -0.01 -25.51	43.54 0.00 -41.33	41.92 0.01 -44.30	37.63 -0.02 -39.54	29.19 -0.01 -30.83	33.23 -0.02 -36.20	40.00 -0.03 -43.87	94.37 -0.10 -106.88	42.73 0.01 -40.17	48.12 -0.08 -57.60	41.39 -0.05 -47.26	63.53 -0.07 -71.82	37.70 -0.01 -39.21	37.54 -0.02 -39.70	33.06 -0.04 -38.95	29.16 0.01 -26.41	28.07 -0.02 -33.50
BETHLEHEM___STEEL 23779	-11.36 -1.23 -9.09	-28.41 -2.35 -11.04	-10.44 -0.96 -6.92	7.05 0.19 -3.54	3.05 -0.09 -4.54	-7.30 -0.71 -6.52	10.42 0.27 -3.13	7.05 0.18 -2.81	6.98 0.07 -4.70	2.76 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 0.00 -4.99	2.21 0.00 -6.05	2.21 -0.16 -14.77	8.16 0.07 -5.55	-1.56 -0.12 -7.96	0.70 -0.01 -6.53	1.64 -0.06 -9.92	3.91 -0.02 -5.42	3.30 -0.04 -5.49	-0.61 -0.14 -5.38	6.51 0.12 -3.65	-1.03 -0.25 -4.63
BETHLHEM_115KV_TB1 79974	50.44 -0.07 -69.74	53.38 -0.13 -90.62	40.33 -0.06 -56.79	32.41 0.02 -29.08	35.80 -0.01 -37.21	40.30 -0.06 -53.48	33.38 0.03 -26.33	29.54 0.01 -25.48	43.51 0.01 -41.29	41.88 0.01 -44.27	37.59 -0.02 -39.51	29.15 -0.02 -30.80	33.19 -0.03 -36.17	39.96 -0.05 -43.84	94.25 -0.15 -106.80	42.71 0.02 -40.14	48.04 -0.11 -57.55	41.34 -0.07 -47.23	63.45 -0.09 -71.77	37.67 -0.02 -39.18	37.50 -0.02 -39.67	33.02 -0.05 -38.92	29.15 0.02 -26.39	28.02 -0.03 -33.47
BETHPAGE_CC_5 323564	33.52 -0.92 -53.66	30.61 -2.01 -69.72	26.35 -0.95 -43.70	25.89 0.20 -22.37	27.15 -0.08 -28.63	27.30 -0.73 -41.15	29.68 0.41 -22.25	31.62 0.24 -27.32	46.75 0.17 -44.37	31.58 -0.08 -34.06	40.08 -0.14 -42.11	40.83 -0.14 -42.59	32.12 -0.25 -35.31	31.58 -0.32 -35.74	74.29 -0.80 -87.49	37.20 0.19 -34.47	41.74 -0.70 -51.84	40.70 -0.43 -46.95	56.98 -0.55 -65.75	31.65 -0.09 -33.23	30.18 -0.14 -32.46	25.60 -0.41 -31.85	24.55 0.21 -21.60	21.65 -0.33 -27.39
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	-11.27 -1.26 -9.22	-28.37 -2.45 -11.19	-10.39 -1.00 -7.01	7.10 0.19 -3.59	3.11 -0.09 -4.60	-7.25 -0.73 -6.60	10.48 0.29 -3.17	7.10 0.20 -2.85	7.05 0.08 -4.76	2.82 -0.25 -5.47	3.26 -0.02 -5.17	2.36 0.00 -3.99	2.11 -0.01 -5.06	2.28 -0.02 -6.13	2.36 -0.20 -14.96	8.25 0.08 -5.62	-1.48 -0.14 -8.06	0.77 -0.03 -6.62	1.75 -0.08 -10.05	3.98 -0.02 -5.49	3.37 -0.04 -5.56	-0.56 -0.16 -5.45	6.56 0.12 -3.70	-0.98 -0.26 -4.69
BINGHAMTON___COGEN 23790	-4.38 -0.41 -15.25	-17.11 -0.83 -20.82	-3.69 -0.34 -13.05	10.06 0.07 -6.68	7.12 -0.03 -8.55	-1.07 -0.24 -12.29	13.06 0.13 -5.91	9.46 0.10 -5.30	11.12 0.05 -8.86	7.70 -0.08 -10.17	7.73 -0.02 -9.64	5.78 -0.02 -7.43	6.43 -0.04 -9.42	7.52 -0.06 -11.42	15.24 -0.23 -27.88	13.09 0.07 -10.48	5.50 -0.13 -15.02	6.43 -0.08 -12.33	10.40 -0.10 -18.73	8.72 -0.02 -10.23	8.19 -0.02 -10.35	4.21 -0.10 -10.16	9.69 0.06 -6.89	3.23 -0.10 -8.74
BIXINCNT_115KV_LOAD 355685	-10.05 -0.73 -9.90	-27.79 -2.53 -11.85	-9.96 -0.99 -7.43	7.28 0.17 -3.80	3.39 -0.08 -4.87	-6.83 -0.71 -7.00	10.63 0.25 -3.36	7.26 0.18 -3.02	7.37 0.12 -5.04	3.13 -0.27 -5.79	3.61 0.02 -5.48	2.65 0.05 -4.22	2.46 0.05 -5.36	2.70 0.05 -6.49	3.31 -0.14 -15.85	8.60 0.10 -5.96	-0.85 0.01 -8.54	1.28 0.10 -7.01	2.52 0.10 -10.65	4.33 0.01 -5.81	3.74 0.00 -5.89	-0.14 -0.07 -5.78	6.73 0.07 -3.92	-0.67 -0.23 -4.97
BLACK RIVER___HYD 24047	-16.72 1.09 -1.41	-29.20 2.24 -5.67	-11.01 0.95 -4.44	27.98 -0.14 -24.81	18.79 0.08 -20.12	-4.31 0.58 -8.23	99.18 -0.20 -92.35	125.54 -0.15 -121.64	59.65 -0.06 -57.50	-13.17 0.12 10.88	-13.87 0.12 12.10	24.22 0.11 -25.73	26.69 0.22 -29.42	-18.18 0.27 14.61	-20.24 0.90 8.75	-19.79 -0.21 22.13	-17.67 0.73 9.01	-18.24 0.42 12.84	-18.98 0.51 11.27	1.86 0.08 -3.27	8.00 0.08 -10.06	-14.39 0.34 8.88	-15.58 -0.17 18.15	-20.08 0.35 15.02

BLACKRVR_115KV_TB2 79977	-16.72 1.10 -1.41	-29.21 2.23 -5.67	-11.01 0.95 -4.44	27.98 -0.14 -24.81	18.79 0.08 -20.12	-4.31 0.58 -8.23	99.18 -0.20 -92.35	125.54 -0.15 -121.64	59.65 -0.06 -57.50	-13.17 0.11 10.88	-13.87 0.12 12.10	24.22 0.11 -25.73	26.69 0.22 -29.42	-18.18 0.27 14.61	-20.24 0.90 8.75	-19.80 -0.21 22.13	-17.68 0.73 9.01	-18.24 0.42 12.84	-18.98 0.51 11.27	1.86 0.08 -3.27	8.00 0.08 -10.06	-14.39 0.34 8.88	-15.58 -0.17 18.15	-20.08 0.35 15.02
BLISS_WT_PWR 323608	-9.92 -0.59 -9.90	-27.82 -2.57 -11.85	-9.95 -0.98 -7.43	7.28 0.16 -3.80	3.39 -0.08 -4.87	-6.82 -0.70 -7.00	10.61 0.23 -3.36	7.25 0.18 -3.02	7.38 0.13 -5.04	3.13 -0.27 -5.79	3.62 0.03 -5.48	2.66 0.06 -4.22	2.49 0.07 -5.36	2.74 0.08 -6.49	3.36 -0.09 -15.85	8.60 0.10 -5.96	-0.80 0.05 -8.54	1.33 0.14 -7.01	2.58 0.15 -10.65	4.34 0.02 -5.81	3.75 0.01 -5.89	-0.11 -0.04 -5.78	6.71 0.05 -3.92	-0.66 -0.22 -4.97
BLUE_CIRC_CHEM_DRP 24182	48.85 -0.34 -68.42	51.12 -0.67 -88.90	39.02 -0.29 -55.72	31.90 0.07 -28.52	35.08 -0.03 -36.51	39.09 -0.26 -52.47	32.93 0.13 -25.78	28.94 0.07 -24.81	42.61 0.04 -40.37	41.00 -0.04 -43.43	36.79 -0.05 -38.73	28.47 -0.03 -30.13	32.58 -0.06 -35.59	39.22 -0.08 -43.14	92.43 -0.27 -105.10	42.10 0.05 -39.50	47.03 -0.21 -56.64	40.53 -0.13 -46.48	62.21 -0.19 -70.62	37.03 -0.04 -38.55	36.84 -0.05 -39.04	32.32 -0.13 -38.30	28.77 0.06 -25.97	27.42 -0.11 -32.94
BOC_GAS_DRP 24189	50.00 -0.23 -69.46	52.70 -0.44 -90.25	39.97 -0.19 -56.56	32.32 0.05 -28.96	35.64 -0.02 -37.06	39.98 -0.17 -53.27	33.31 0.09 -26.21	29.41 0.05 -25.31	43.32 0.03 -41.08	41.68 -0.02 -44.09	37.39 -0.04 -39.32	28.98 -0.03 -30.63	33.03 -0.06 -36.02	39.75 -0.07 -43.66	93.73 -0.24 -106.37	42.57 0.05 -39.98	47.74 -0.18 -57.32	41.10 -0.11 -47.04	63.10 -0.16 -71.48	37.50 -0.03 -39.02	37.33 -0.04 -39.51	32.81 -0.10 -38.77	29.07 0.05 -26.29	27.84 -0.08 -33.34
BOONVILLE_115KV_TB1 79983	7.26 0.33 -26.16	-26.18 0.73 -10.20	-5.11 0.33 -10.96	15.81 -0.05 -12.54	8.88 0.03 -10.26	-8.53 0.15 -4.43	53.18 -0.04 -46.20	64.80 -0.04 -60.78	31.10 -0.01 -28.90	16.11 0.03 -18.47	20.01 0.04 -21.87	103.36 0.03 -104.96	108.02 0.04 -110.92	9.66 0.05 -13.44	0.65 0.23 -12.81	21.16 -0.06 -18.68	8.29 0.17 -17.52	8.66 0.08 -14.40	5.16 0.14 -13.25	9.02 0.03 -10.49	3.18 0.02 -5.30	1.95 0.11 -7.69	18.13 -0.06 -15.45	5.31 0.12 -10.60
BORALEX_4TH_BRANCH 23824	49.65 -0.61 -69.48	51.88 -1.30 -90.28	39.61 -0.57 -56.58	32.41 0.12 -28.97	35.62 -0.05 -37.08	39.69 -0.49 -53.29	33.56 0.20 -26.34	29.94 0.10 -25.78	43.71 0.05 -41.45	41.65 -0.06 -44.10	37.64 -0.07 -39.61	29.34 -0.05 -31.01	33.07 -0.07 -36.08	39.81 -0.09 -43.74	93.79 -0.33 -106.52	42.62 0.04 -40.04	47.80 -0.21 -57.41	41.15 -0.13 -47.11	63.14 -0.22 -71.58	37.53 -0.05 -39.07	37.35 -0.07 -39.57	32.78 -0.19 -38.82	29.14 0.08 -26.32	27.80 -0.17 -33.38
BOWLINE___1 23526	31.84 -0.49 -51.55	28.92 -0.95 -66.99	25.14 -0.44 -41.98	24.90 0.09 -21.49	26.07 -0.03 -27.51	26.07 -0.35 -39.53	23.77 0.20 -16.55	11.73 0.12 -7.55	13.40 0.08 -11.11	30.30 -0.03 -32.72	14.80 -0.07 -16.76	2.60 -0.07 -4.30	25.32 -0.15 -28.41	30.43 -0.19 -34.46	71.76 -0.54 -84.70	34.53 0.12 -31.86	35.83 -0.45 -45.68	31.39 -0.27 -37.48	48.40 -0.34 -56.96	29.55 -0.06 -31.10	29.27 -0.07 -31.49	24.83 -0.21 -30.89	23.78 0.10 -20.95	20.98 -0.18 -26.57
BOWLINE___2 23595	31.84 -0.50 -51.56	28.93 -0.96 -66.99	25.14 -0.44 -41.98	24.90 0.09 -21.50	26.07 -0.04 -27.51	26.07 -0.35 -39.54	23.77 0.20 -16.55	11.73 0.12 -7.55	13.39 0.08 -11.10	30.31 -0.03 -32.73	14.79 -0.07 -16.75	2.58 -0.08 -4.28	25.32 -0.15 -28.41	30.44 -0.19 -34.46	71.77 -0.55 -84.71	34.53 0.12 -31.87	35.83 -0.45 -45.69	31.40 -0.27 -37.49	48.40 -0.34 -56.97	29.55 -0.06 -31.10	29.27 -0.07 -31.49	24.83 -0.21 -30.90	23.79 0.10 -20.95	20.98 -0.18 -26.57
BRADY___115KV_TB2 356060	-88.20 2.77 71.74	-55.60 5.61 24.11	-44.13 2.44 30.17	-58.93 -0.47 61.77	-49.53 0.19 48.31	-26.14 1.72 14.74	-234.85 -1.02 240.84	-315.21 -0.65 318.62	-145.12 -0.34 146.98	-40.27 0.37 38.25	-49.28 0.30 47.69	-348.50 0.26 347.14	-370.75 0.48 368.29	-21.02 0.59 17.77	-22.00 1.90 11.51	-23.99 -0.34 26.20	-42.08 1.50 34.18	-27.04 0.88 22.09	-23.05 1.23 16.06	-30.49 0.22 29.23	-22.51 0.30 20.67	-12.20 0.84 7.18	-20.72 -0.45 23.01	-14.91 0.80 10.31
BRANSCOMB___SOLAR 323811	51.79 -0.92 -71.94	54.64 -1.72 -93.47	41.44 -0.75 -58.58	33.46 0.16 -29.99	36.92 -0.07 -38.38	41.43 -0.63 -55.17	34.48 0.32 -27.14	30.43 0.17 -26.21	44.77 0.09 -42.47	43.15 -0.11 -45.66	38.59 -0.09 -40.58	29.89 -0.06 -31.57	34.13 -0.11 -37.18	41.08 -0.15 -45.07	96.87 -0.52 -109.79	43.91 0.10 -41.27	49.33 -0.44 -59.17	42.46 -0.27 -48.55	65.13 -0.42 -73.78	38.70 -0.08 -40.27	38.52 -0.11 -40.78	33.87 -0.29 -40.01	30.00 0.13 -27.13	28.75 -0.25 -34.41
BRENTWOD_69_KV_W. BRTWOOD 56703	33.26 -1.18 -53.66	29.99 -2.62 -69.72	26.04 -1.26 -43.70	25.95 0.26 -22.37	27.13 -0.10 -28.63	27.07 -0.97 -41.15	29.81 0.54 -22.25	31.71 0.33 -27.32	46.80 0.23 -44.37	31.53 -0.14 -34.06	47.47 -0.18 -49.54	56.90 -0.17 -58.70	32.64 -0.29 -35.88	31.64 -0.39 -35.86	75.82 -0.98 -89.20	49.34 0.21 -46.59	75.30 -0.81 -85.52	96.83 -0.51 -103.16	102.17 -0.66 -111.05	39.06 -0.11 -40.67	30.14 -0.18 -32.46	25.47 -0.53 -31.85	24.61 0.27 -21.60	21.57 -0.42 -27.39
BRISTLHL_115KV_TB1 79998	-14.23 0.01 -4.99	-31.03 0.05 -6.03	-12.33 0.04 -4.03	7.94 -0.01 -4.64	3.14 0.01 -4.53	-9.06 0.05 -4.01	19.63 -0.02 -12.63	20.07 -0.01 -16.03	11.33 -0.01 -9.13	-0.39 -0.01 -2.02	0.00 0.02 -1.88	6.63 0.01 -8.24	6.40 0.02 -9.32	-2.06 0.03 -1.76	-5.97 0.08 -6.35	3.46 -0.02 -0.93	-5.97 0.07 -3.36	-3.58 0.05 -2.20	-4.29 0.06 -3.88	1.73 0.01 -3.21	1.62 0.01 -3.76	-3.98 0.03 -1.83	3.08 -0.01 -0.36	-4.42 0.03 -0.96
BROOKHAVEN___DRP 24191	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.30 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.04 -0.99 -41.15	29.83 0.56 -22.25	31.72 0.34 -27.32	46.81 0.24 -44.37	31.51 -0.16 -34.06	75.61 -0.19 -77.69	117.96 -0.18 -119.77	34.97 -0.31 -38.23	32.09 -0.41 -36.34	82.80 -1.05 -96.25	96.82 0.25 -94.03	205.78 -0.93 -216.11	312.54 -0.56 -318.92	274.19 -0.73 -283.14	67.20 -0.13 -68.83	30.13 -0.19 -32.46	25.44 -0.56 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
BROOKLYN_NAVY_YARD 23515	33.66 -0.75 -53.63	31.15 -1.42 -69.69	26.62 -0.65 -43.67	25.81 0.13 -22.36	27.16 -0.06 -28.62	27.50 -0.51 -41.13	29.56 0.29 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.30 -0.09 -40.28	35.36 -0.10 -37.09	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.16 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.70 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.27 -27.38
BROOKLYN___ARMY_DRP 323595	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39

BROOKVLE_69_KV_TB1 55790	33.44 -0.99 -53.66	30.58 -2.03 -69.72	26.38 -0.92 -43.70	25.88 0.19 -22.37	27.15 -0.07 -28.63	27.30 -0.73 -41.15	29.68 0.40 -22.25	31.62 0.24 -27.32	46.74 0.16 -44.37	31.57 -0.09 -34.06	38.91 -0.14 -40.94	38.31 -0.14 -40.07	32.06 -0.26 -35.26	31.55 -0.32 -35.72	74.05 -0.88 -87.33	35.59 0.20 -32.85	36.96 -0.74 -47.10	32.38 -0.45 -38.65	49.93 -0.57 -58.73	30.48 -0.10 -32.06	30.19 -0.13 -32.46	25.62 -0.39 -31.85	24.52 0.18 -21.60	21.66 -0.32 -27.39
BROOME_2_LFGE 323671	-4.39 -0.41 -15.25	-17.11 -0.83 -20.82	-3.69 -0.34 -13.05	10.06 0.07 -6.68	7.12 -0.03 -8.55	-1.07 -0.24 -12.29	13.06 0.13 -5.91	9.46 0.10 -5.30	11.12 0.05 -8.86	7.70 -0.08 -10.17	7.73 -0.02 -9.64	5.78 -0.02 -7.43	6.43 -0.04 -9.42	7.52 -0.06 -11.42	15.24 -0.23 -27.88	13.09 0.07 -10.48	5.50 -0.13 -15.02	6.43 -0.08 -12.33	10.40 -0.10 -18.73	8.72 -0.02 -10.23	8.19 -0.02 -10.35	4.21 -0.10 -10.16	9.69 0.06 -6.89	3.23 -0.10 -8.74
BROOME__LFGE 323600	-4.39 -0.41 -15.25	-17.11 -0.83 -20.82	-3.69 -0.34 -13.05	10.06 0.07 -6.68	7.12 -0.03 -8.55	-1.07 -0.24 -12.29	13.06 0.13 -5.91	9.46 0.10 -5.30	11.12 0.05 -8.86	7.70 -0.08 -10.17	7.73 -0.02 -9.64	5.78 -0.02 -7.43	6.43 -0.04 -9.42	7.52 -0.06 -11.42	15.24 -0.23 -27.88	13.09 0.07 -10.48	5.50 -0.13 -15.02	6.43 -0.08 -12.33	10.40 -0.10 -18.73	8.72 -0.02 -10.23	8.19 -0.02 -10.35	4.21 -0.10 -10.16	9.69 0.06 -6.89	3.23 -0.10 -8.74
BROWNFLS_115KV_TB_3_5 80003	-138.29 2.43 121.49	-73.30 4.90 41.08	-65.41 2.14 51.16	-101.03 -0.40 103.94	-82.59 0.17 81.36	-36.66 1.47 25.01	-398.63 -0.79 404.85	-532.00 -0.51 535.55	-245.23 -0.25 247.18	-67.15 0.31 65.06	-82.66 0.26 81.02	-587.21 0.22 585.80	-624.04 0.39 621.49	-33.94 0.49 30.59	-31.07 1.63 20.31	-42.75 -0.33 44.97	-66.41 1.27 58.28	-42.95 0.75 37.88	-34.99 1.06 27.82	-50.84 0.19 49.53	-36.84 0.24 34.94	-17.68 0.74 12.57	-37.05 -0.38 39.41	-22.65 0.71 17.94
BROWNSV1_27_KV_LOAD 356125	33.37 -1.04 -53.63	30.60 -1.98 -69.69	26.38 -0.89 -43.67	25.85 0.18 -22.36	27.14 -0.07 -28.62	27.31 -0.70 -41.13	29.67 0.39 -22.25	31.65 0.24 -27.35	46.84 0.15 -44.48	31.57 -0.08 -34.04	38.26 -0.12 -40.28	35.34 -0.13 -37.09	26.08 -0.25 -29.27	31.35 -0.32 -35.51	73.98 -0.92 -87.31	35.58 0.19 -32.84	36.96 -0.73 -47.09	32.38 -0.44 -38.64	49.93 -0.56 -58.72	30.47 -0.09 -32.05	30.18 -0.13 -32.46	25.62 -0.38 -31.84	24.51 0.18 -21.59	21.64 -0.33 -27.38
BURROWS__LYONSDAL 23803	-3.58 0.62 -15.03	-28.13 1.32 -7.66	-8.08 0.59 -7.73	20.14 -0.09 -16.91	12.35 0.05 -13.71	-7.22 0.31 -5.59	69.91 -0.12 -63.01	86.96 -0.09 -83.00	41.39 -0.03 -39.22	3.53 0.07 -5.86	5.44 0.07 -7.27	123.46 0.05 -125.03	167.41 0.08 -170.28	18.22 0.11 -21.95	7.67 0.41 -19.66	26.93 -0.11 -24.50	3.47 0.31 -12.56	-2.93 0.16 -2.73	-5.36 0.27 -2.60	5.59 0.05 -7.04	4.75 0.05 -6.85	-5.08 0.20 -0.57	3.92 -0.10 -1.28	-5.44 0.20 0.23
CAITHNESS_CC_1 323624	33.29 -1.15 -53.66	30.03 -2.58 -69.72	26.07 -1.23 -43.70	25.95 0.26 -22.37	27.13 -0.10 -28.63	27.10 -0.94 -41.15	29.80 0.53 -22.25	31.70 0.32 -27.32	46.80 0.22 -44.37	31.53 -0.14 -34.06	75.72 -0.18 -77.79	118.17 -0.17 -119.97	34.97 -0.30 -38.21	32.11 -0.39 -36.34	82.81 -0.99 -96.20	96.78 0.23 -94.00	205.93 -0.87 -216.20	312.96 -0.53 -319.32	274.75 -0.69 -283.66	67.31 -0.13 -68.92	30.14 -0.18 -32.46	25.48 -0.52 -31.85	24.61 0.27 -21.60	21.57 -0.42 -27.40
CALPINE BETH_PAGE_GT4 24209	33.53 -0.90 -53.66	30.66 -1.96 -69.72	26.38 -0.91 -43.70	25.88 0.19 -22.37	27.16 -0.07 -28.63	27.32 -0.71 -41.15	29.67 0.40 -22.25	31.61 0.24 -27.32	46.74 0.17 -44.37	31.58 -0.08 -34.06	39.79 -0.13 -41.81	40.19 -0.13 -41.95	32.11 -0.24 -35.30	31.57 -0.32 -35.73	74.26 -0.79 -87.45	36.79 0.19 -34.06	40.54 -0.69 -50.63	38.59 -0.43 -44.83	55.20 -0.54 -63.96	31.35 -0.09 -32.93	30.19 -0.13 -32.46	25.61 -0.39 -31.85	24.55 0.21 -21.60	21.66 -0.32 -27.39
CALPINE_BETH_PAGE_GT_4 323586	33.53 -0.90 -53.66	30.65 -1.96 -69.72	26.38 -0.92 -43.70	25.88 0.19 -22.37	27.16 -0.07 -28.63	27.32 -0.71 -41.15	29.67 0.40 -22.25	31.61 0.23 -27.32	46.74 0.17 -44.37	31.59 -0.08 -34.06	39.79 -0.13 -41.81	40.19 -0.13 -41.95	32.11 -0.24 -35.30	31.58 -0.32 -35.73	74.26 -0.79 -87.45	36.79 0.19 -34.06	40.54 -0.69 -50.63	38.59 -0.43 -44.83	55.19 -0.54 -63.96	31.35 -0.09 -32.93	30.19 -0.13 -32.46	25.61 -0.39 -31.85	24.55 0.21 -21.60	21.66 -0.32 -27.39
CALPINE_BP_GT1 23823	33.53 -0.90 -53.66	30.65 -1.96 -69.72	26.38 -0.92 -43.70	25.88 0.19 -22.37	27.16 -0.07 -28.63	27.32 -0.71 -41.15	29.67 0.40 -22.25	31.61 0.23 -27.32	46.74 0.17 -44.37	31.59 -0.08 -34.06	39.79 -0.13 -41.81	40.19 -0.13 -41.95	32.11 -0.24 -35.30	31.58 -0.32 -35.73	74.26 -0.79 -87.45	36.79 0.19 -34.06	40.54 -0.69 -50.63	38.59 -0.43 -44.83	55.19 -0.54 -63.96	31.35 -0.09 -32.93	30.19 -0.13 -32.46	25.61 -0.39 -31.85	24.55 0.21 -21.60	21.66 -0.32 -27.39
CALSPAN__DRP 24200	-11.36 -1.23 -9.09	-28.41 -2.35 -11.04	-10.44 -0.96 -6.92	7.05 0.19 -3.54	3.05 -0.09 -4.54	-7.30 -0.71 -6.52	10.42 0.27 -3.13	7.05 0.18 -2.81	6.98 0.07 -4.70	2.76 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 0.00 -4.99	2.21 0.00 -6.05	2.21 -0.16 -14.77	8.16 0.07 -5.55	-1.56 -0.12 -7.96	0.70 0.14 -6.53	1.64 -0.06 -9.92	3.91 -0.02 -5.42	3.30 -0.04 -5.49	-0.61 -0.14 -5.38	6.51 0.12 -3.65	-1.03 -0.25 -4.63
CALVERTON__SOLAR 323806	33.07 -1.37 -53.66	29.62 -2.99 -69.72	25.90 -1.40 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.97 -1.07 -41.15	29.88 0.60 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.58 -0.20 -77.67	117.91 -0.19 -119.73	34.96 -0.33 -38.24	32.06 -0.44 -36.34	82.73 -1.14 -96.27	96.87 0.27 -94.06	205.74 -1.01 -216.15	312.46 -0.61 -318.89	274.01 -0.80 -283.04	67.17 -0.15 -68.80	30.11 -0.21 -32.46	25.40 -0.60 -31.85	24.65 0.31 -21.60	21.50 -0.49 -27.40
CANDIGU_WT_PWR 323617	-18.09 -0.36 -1.49	-23.53 -0.89 -14.47	-7.66 -0.33 -9.07	8.02 0.06 -4.64	4.52 -0.02 -5.94	-4.78 -0.20 -8.54	11.25 0.12 -4.11	7.82 0.08 -3.69	8.39 0.02 -6.16	4.54 -0.13 -7.07	4.85 0.05 -6.69	3.57 0.04 -5.15	3.66 0.07 -6.54	4.15 0.06 -7.93	7.05 0.11 -19.34	9.83 0.01 -7.27	1.22 0.19 -10.42	2.87 0.14 -8.56	4.95 0.18 -13.00	5.64 0.03 -7.10	5.08 0.04 -7.19	1.24 0.04 -7.05	7.52 0.01 -4.78	0.63 -0.02 -6.06
CARR STREET_E_SYR 24060	-12.60 -0.14 -6.76	-30.40 -0.24 -6.95	-11.70 -0.09 -4.79	7.47 0.01 -4.14	2.83 -0.01 -4.24	-8.96 -0.04 -4.20	17.15 0.03 -10.11	16.69 0.02 -12.62	9.96 0.01 -7.75	1.45 -0.03 -3.88	2.07 0.00 -3.96	10.69 0.00 -12.31	10.62 0.00 -13.56	-0.23 0.00 -3.61	-4.00 -0.02 -8.42	5.98 0.01 -3.43	-4.17 -0.01 -5.24	-1.78 0.01 -4.03	-2.43 0.00 -5.79	2.41 0.00 -3.91	1.69 0.00 -3.83	-2.81 -0.01 -3.05	5.09 0.00 -2.35	-2.82 -0.01 -2.60
CARTHAGE__PAPER 23857	-17.24 1.28 -0.71	-28.90 2.62 -5.59	-10.77 1.12 -4.51	31.80 -0.18 -28.67	21.79 0.09 -23.10	-3.40 0.68 -9.03	114.38 -0.28 -107.64	145.74 -0.20 -141.89	68.90 -0.08 -66.77	-15.62 0.14 13.37	-16.55 0.14 14.80	27.55 0.12 -29.05	30.51 0.23 -33.23	-21.31 0.28 17.76	-23.07 0.98 11.65	-24.25 -0.22 26.57	-20.03 0.76 11.39	-21.12 0.43 15.73	-21.84 0.57 14.18	1.88 0.09 -3.28	9.23 0.10 -11.27	-16.40 0.39 10.94	-19.16 -0.20 21.71	-23.11 0.39 18.09

CASSADAGA_WT_PWR 323784	-10.35 -0.73 -9.61	-27.41 -1.86 -11.56	-9.85 -0.70 -7.24	7.15 0.12 -3.71	3.26 -0.08 -4.75	-6.93 -0.64 -6.82	10.50 0.20 -3.28	7.13 0.13 -2.95	7.16 0.03 -4.92	3.10 -0.15 -5.65	3.50 0.04 -5.35	2.54 0.05 -4.12	2.38 0.09 -5.23	2.61 0.11 -6.34	3.21 0.15 -15.46	8.38 0.02 -5.81	-0.90 0.17 -8.33	1.16 0.15 -6.84	2.32 0.15 -10.39	4.19 0.01 -5.67	3.58 -0.02 -5.74	-0.31 -0.09 -5.63	6.65 0.09 -3.82	-0.77 -0.21 -4.85
CE_DUNWOOD___DRP 24194	33.49 -0.70 -53.41	30.96 -1.33 -69.40	26.49 -0.61 -43.49	25.71 0.12 -22.26	27.05 -0.05 -28.50	27.36 -0.48 -40.96	29.54 0.27 -22.25	31.80 0.16 -27.58	47.68 0.11 -45.37	31.46 -0.04 -33.90	38.90 -0.09 -40.88	36.29 -0.09 -38.01	26.05 -0.18 -29.18	31.32 -0.24 -35.40	74.03 -0.69 -87.12	35.46 0.14 -32.77	37.04 -0.55 -46.99	32.40 -0.33 -38.56	49.95 -0.42 -58.59	30.42 -0.07 -31.99	30.15 -0.09 -32.39	25.65 -0.28 -31.78	24.42 0.13 -21.54	21.68 -0.24 -27.33
CE_MILLWOOD___DRP 24193	33.20 -0.66 -53.08	30.60 -1.26 -68.97	26.25 -0.57 -43.22	25.56 0.12 -22.13	26.87 -0.05 -28.32	27.13 -0.46 -40.71	29.47 0.26 -22.20	31.95 0.15 -27.74	48.44 0.10 -46.14	31.25 -0.05 -33.69	39.42 -0.08 -41.39	37.13 -0.09 -38.84	25.92 -0.18 -29.04	31.17 -0.23 -35.24	73.73 -0.65 -86.78	35.33 0.14 -32.65	36.88 -0.52 -46.81	32.27 -0.31 -38.41	49.74 -0.40 -58.37	30.30 -0.07 -31.86	30.03 -0.09 -32.26	25.54 -0.26 -31.65	24.33 0.12 -21.46	21.59 -0.22 -27.22
CE_NYC2_DRP 24202	33.58 -0.83 -53.63	30.99 -1.58 -69.69	26.55 -0.73 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.44 -0.58 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.61 -0.04 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.21 -0.11 -32.46	25.67 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.28 -27.38
CE_NYC_DRP 24195	33.61 -0.80 -53.63	31.05 -1.53 -69.69	26.58 -0.70 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.47 -0.55 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.21 -0.10 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38
CHAFFEE___LFGE 323603	-10.97 -1.25 -9.50	-28.04 -2.38 -11.45	-10.19 -0.97 -7.17	7.18 0.19 -3.67	3.22 -0.08 -4.70	-7.05 -0.70 -6.76	10.53 0.27 -3.25	7.16 0.19 -2.92	7.15 0.07 -4.87	2.95 -0.25 -5.59	3.38 -0.02 -5.29	2.45 0.00 -4.08	2.22 -0.01 -5.17	2.42 -0.02 -6.27	2.70 -0.21 -15.31	8.38 0.08 -5.75	-1.31 -0.16 -8.25	0.91 -0.04 -6.77	1.97 -0.09 -10.29	4.10 -0.03 -5.61	3.50 -0.04 -5.68	-0.43 -0.16 -5.58	6.65 0.13 -3.78	-0.86 -0.25 -4.80
CHATEAUG_35_KV_LOAD 355732	-80.51 2.55 63.84	-53.42 5.09 21.41	-40.96 2.28 26.83	-52.19 -0.43 55.08	-44.29 0.18 43.07	-24.64 1.58 13.11	-208.68 -0.91 214.79	-280.71 -0.60 284.16	-129.20 -0.33 131.07	-36.06 0.33 33.99	-43.99 0.30 42.40	-310.61 0.25 309.23	-330.55 0.47 328.08	-18.95 0.62 15.73	-20.48 2.03 10.11	-21.07 -0.40 23.22	-38.35 1.41 30.36	-24.47 0.94 19.59	-21.14 1.27 14.19	-27.27 0.22 26.00	-20.24 0.30 18.40	-11.30 0.88 6.33	-18.09 -0.42 20.41	-13.74 0.77 9.10
CHATEAUG_WT_PWR 323614	-78.16 2.51 61.45	-52.67 5.03 20.59	-40.02 2.21 25.82	-50.20 -0.47 53.05	-42.71 0.17 41.48	-24.19 1.55 12.62	-200.79 -0.90 206.91	-270.28 -0.60 273.74	-124.38 -0.33 126.26	-34.76 0.33 32.70	-42.39 0.30 40.79	-299.14 0.24 297.76	-318.38 0.47 315.91	-18.33 0.62 15.11	-20.11 1.97 9.69	-20.17 -0.40 22.31	-37.22 1.38 29.20	-23.73 0.92 18.83	-20.60 1.25 13.62	-26.30 0.22 25.03	-19.56 0.30 17.71	-11.04 0.87 6.07	-17.29 -0.41 19.62	-13.38 0.76 8.73
CHAT_HIGH_FALL_HYD 323578	-80.51 2.55 63.84	-53.38 5.14 21.41	-40.98 2.26 26.83	-52.24 -0.48 55.08	-44.30 0.17 43.07	-24.66 1.57 13.11	-208.68 -0.91 214.79	-280.71 -0.60 284.16	-129.20 -0.33 131.07	-36.06 0.33 33.99	-43.99 0.30 42.40	-310.61 0.24 309.23	-330.55 0.47 328.08	-18.94 0.62 15.73	-20.50 2.01 10.11	-21.07 -0.40 23.22	-38.34 1.41 30.36	-24.46 0.94 19.59	-21.14 1.28 14.19	-27.27 0.22 26.00	-20.24 0.31 18.40	-11.29 0.89 6.33	-18.09 -0.42 20.41	-13.74 0.77 9.10
CHAUTAUQUA___LFGE 323629	-10.86 -1.00 -9.36	-27.88 -2.16 -11.38	-10.09 -0.82 -7.13	7.13 0.16 -3.65	3.19 -0.08 -4.67	-7.08 -0.68 -6.72	10.51 0.26 -3.23	7.14 0.18 -2.90	7.11 0.06 -4.84	2.97 -0.20 -5.56	3.38 0.00 -5.27	2.44 0.01 -4.05	2.22 0.01 -5.14	2.41 0.01 -6.24	2.69 -0.13 -15.22	8.34 0.07 -5.72	-1.24 -0.04 -8.20	0.93 0.02 -6.73	1.99 -0.01 -10.23	4.08 -0.01 -5.58	3.48 -0.03 -5.65	-0.45 -0.15 -5.55	6.62 0.12 -3.76	-0.89 -0.25 -4.77
CHERRYST_13_KV_LD 356241	33.54 -0.87 -53.63	30.93 -1.65 -69.69	26.52 -0.75 -43.67	25.83 0.15 -22.36	27.15 -0.07 -28.62	27.42 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.21 -27.35	46.83 0.13 -44.48	31.59 -0.06 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.08 -0.83 -87.31	35.56 0.17 -32.84	37.04 -0.65 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.49 0.16 -21.59	21.68 -0.29 -27.38
CHESTROR_138KV_BK263 355645	29.15 -0.53 -48.90	25.42 -1.01 -63.54	22.96 -0.47 -39.82	23.79 0.09 -20.39	24.65 -0.04 -26.09	24.02 -0.36 -37.50	23.47 0.20 -16.25	13.48 0.12 -9.31	18.92 0.08 -16.63	28.61 -0.04 -31.04	18.44 -0.07 -20.40	8.61 -0.07 -10.31	24.23 -0.14 -27.31	29.11 -0.18 -33.12	68.27 -0.53 -81.20	33.20 0.11 -30.54	33.96 -0.43 -43.78	29.85 -0.26 -35.92	46.03 -0.34 -54.59	28.25 -0.06 -29.80	27.96 -0.08 -30.18	23.54 -0.22 -29.61	22.91 0.10 -20.08	19.86 -0.18 -25.46
CH_MIDHUDSON___DRP 24192	35.76 -0.64 -55.63	33.97 -1.20 -72.28	28.37 -0.53 -45.30	26.62 0.11 -23.19	28.24 -0.05 -29.68	29.11 -0.43 -42.66	28.55 0.25 -21.28	25.61 0.15 -21.40	35.84 0.09 -33.54	32.86 -0.05 -35.31	30.82 -0.08 -32.79	24.10 -0.09 -25.81	27.00 -0.16 -30.10	32.44 -0.21 -36.49	75.89 -0.66 -88.95	36.12 0.14 -33.44	38.02 -0.52 -47.94	33.20 -0.32 -39.34	51.13 -0.42 -59.78	31.07 -0.07 -32.63	30.81 -0.09 -33.04	26.30 -0.27 -32.42	24.85 0.13 -21.98	22.24 -0.23 -27.88
CH_MISC_IPPS 23765	34.27 -0.78 -54.28	31.94 -1.48 -70.53	27.14 -0.66 -44.20	26.08 0.14 -22.63	27.50 -0.05 -28.96	27.98 -0.53 -41.62	27.78 0.30 -20.46	23.94 0.18 -19.70	32.33 0.11 -30.01	31.99 -0.07 -34.45	28.72 -0.10 -30.71	21.55 -0.10 -23.27	26.41 -0.19 -29.54	31.73 -0.24 -35.81	74.24 -0.76 -87.40	35.56 0.16 -32.86	37.11 -0.60 -47.11	32.46 -0.37 -38.65	50.03 -0.49 -58.74	30.49 -0.09 -32.07	30.22 -0.11 -32.47	25.69 -0.32 -31.86	24.49 0.15 -21.60	21.72 -0.27 -27.40
CH_RES_BVR_FALLS 23983	-53.54 1.92 36.24	-46.07 3.88 12.84	-30.26 1.68 15.54	-28.33 -0.35 31.30	-25.89 0.13 24.62	-19.84 1.18 7.91	-114.89 -0.72 121.19	-156.61 -0.45 160.22	-72.21 -0.24 74.18	-21.33 0.27 19.20	-25.53 0.21 23.85	-174.41 0.18 172.96	-186.21 0.33 183.59	-12.45 0.41 9.03	-17.74 1.31 6.65	-10.75 -0.23 13.06	-25.76 1.04 17.40	-16.44 0.62 11.24	-15.88 0.86 8.52	-16.28 0.16 14.95	-12.74 0.21 10.81	-9.07 0.59 3.82	-8.98 -0.31 11.40	-10.07 0.56 5.22

CH_RES_NIAGARA 23895	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.73 0.15 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.22 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.88 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
CH_RES_SYRACUSE 23985	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.18 -4.04	5.56 0.03 -2.22	1.43 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.01 -3.13	-0.07 -0.02 -3.79	-3.22 -0.08 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
CLINTON_WT_PWR 323605	-78.16 2.51 61.45	-52.67 5.03 20.59	-40.02 2.21 25.82	-50.20 -0.47 53.05	-42.71 0.17 41.48	-24.19 1.55 12.62	-200.79 -0.90 206.91	-270.28 -0.60 273.74	-124.38 -0.33 126.26	-34.76 0.33 32.70	-42.39 0.30 40.79	-299.14 0.24 297.76	-318.38 0.47 315.91	-18.33 0.62 15.11	-20.11 1.97 9.69	-20.17 -0.40 22.31	-37.22 1.38 29.20	-23.73 0.92 18.83	-20.60 1.25 13.62	-26.30 0.22 25.03	-19.56 0.30 17.71	-11.04 0.87 6.07	-17.29 -0.41 19.62	-13.38 0.76 8.73
CLINTON___LFGE 323618	-78.98 2.32 62.07	-53.24 4.67 20.81	-40.43 2.06 26.09	-50.70 -0.44 53.58	-43.14 0.15 41.89	-24.43 1.43 12.74	-202.79 -0.84 208.97	-272.97 -0.56 276.46	-125.63 -0.32 127.51	-35.13 0.31 33.04	-42.82 0.29 41.21	-302.15 0.23 300.76	-321.58 0.46 319.09	-18.53 0.59 15.27	-20.30 1.90 9.80	-20.40 -0.39 22.55	-37.60 1.30 29.50	-23.97 0.88 19.02	-20.81 1.19 13.77	-26.57 0.20 25.28	-19.75 0.28 17.90	-11.16 0.83 6.14	-17.47 -0.39 19.82	-13.52 0.71 8.83
COBBLENY_34_KV_TB1 80064	-10.97 -1.25 -9.50	-28.03 -2.37 -11.45	-10.19 -0.97 -7.17	7.18 0.19 -3.67	3.21 -0.09 -4.70	-7.06 -0.70 -6.76	10.54 0.27 -3.25	7.16 0.19 -2.92	7.15 0.07 -4.87	2.95 -0.25 -5.59	3.39 -0.02 -5.29	2.45 0.00 -4.08	2.22 -0.01 -5.17	2.42 -0.02 -6.27	2.69 -0.22 -15.31	8.38 0.08 -5.75	-1.31 -0.16 -8.25	0.91 -0.04 -6.77	1.97 -0.09 -10.29	4.10 -0.03 -5.61	3.50 -0.04 -5.68	-0.43 -0.16 -5.58	6.65 0.13 -3.78	-0.86 -0.25 -4.80
COFFEEN___115KV_TB3 355620	-16.82 0.88 -1.53	-29.61 1.82 -5.68	-11.20 0.78 -4.42	27.33 -0.10 -24.12	18.25 0.06 -19.59	-4.58 0.45 -8.08	96.54 -0.13 -89.65	121.99 -0.11 -118.05	58.03 -0.03 -55.86	-12.76 0.08 10.44	-13.42 0.10 11.63	23.61 0.09 -25.14	26.00 0.20 -28.74	-17.65 0.24 14.05	-19.82 0.81 8.23	-18.99 -0.19 21.35	-17.32 0.67 8.59	-17.76 0.39 12.33	-18.54 0.44 10.75	1.84 0.06 -3.27	7.76 0.06 -9.85	-14.09 0.28 8.52	-14.92 -0.14 17.52	-19.60 0.29 14.47
COLDSPRG_115KV_BK1 355956	-10.18 -1.10 -10.15	-27.53 -2.38 -11.96	-9.86 -0.96 -7.50	7.35 0.19 -3.84	3.42 -0.09 -4.91	-6.83 -0.77 -7.06	10.73 0.32 -3.39	7.32 0.22 -3.05	7.38 0.08 -5.09	3.22 -0.23 -5.84	3.62 -0.02 -5.53	2.63 0.00 -4.26	2.45 -0.02 -5.41	2.69 -0.03 -6.55	3.33 -0.27 -15.99	8.66 0.10 -6.01	-0.91 -0.14 -8.62	1.22 -0.03 -7.07	2.45 -0.07 -10.75	4.35 -0.03 -5.87	3.74 -0.05 -5.94	-0.22 -0.20 -5.83	6.84 0.15 -3.95	-0.68 -0.29 -5.01
COLONIE_LFGE___ 323577	51.16 -0.50 -70.88	54.02 -0.97 -92.10	40.90 -0.42 -57.72	32.96 0.09 -29.55	36.38 -0.04 -37.82	40.88 -0.36 -54.36	33.97 0.18 -26.78	30.10 0.08 -25.96	44.24 0.05 -41.98	42.54 -0.05 -44.99	38.16 -0.06 -40.12	29.61 -0.04 -31.28	33.68 -0.08 -36.70	40.54 -0.10 -44.48	95.61 -0.34 -108.35	43.33 0.06 -40.73	48.73 -0.27 -58.39	41.93 -0.16 -47.91	64.34 -0.25 -72.81	38.21 -0.05 -39.75	38.03 -0.07 -40.25	33.47 -0.17 -39.49	29.59 0.08 -26.77	28.40 -0.15 -33.96
COOPERNY_115KV_TB1 80082	17.04 -0.40 -36.67	9.76 -0.78 -47.65	13.11 -0.35 -29.86	18.67 0.07 -15.29	18.13 -0.03 -19.57	14.73 -0.27 -28.12	19.85 0.15 -12.68	13.03 0.09 -8.89	18.69 0.06 -16.42	20.85 -0.03 -23.27	17.29 -0.05 -19.24	10.83 -0.05 -12.51	19.19 -0.10 -22.24	22.99 -0.14 -26.96	53.16 -0.41 -65.96	27.43 0.09 -24.80	25.84 -0.32 -35.56	23.16 -0.20 -29.18	35.86 -0.26 -44.34	22.67 -0.05 -24.21	22.31 -0.05 -24.51	18.03 -0.16 -24.05	19.12 0.08 -16.31	15.13 -0.14 -20.68
COPENHAGEN_WT_PWR 323753	-16.26 1.22 -1.75	-28.95 2.45 -5.71	-10.97 1.03 -4.40	26.08 -0.15 -22.91	17.33 0.08 -18.65	-4.64 0.64 -7.83	91.65 -0.21 -84.85	115.58 -0.17 -111.70	55.10 -0.06 -52.95	-11.94 0.12 9.66	-12.54 0.13 10.78	22.59 0.12 -24.10	24.84 0.25 -27.54	-16.60 0.30 13.07	-18.73 0.98 7.32	-17.64 -0.23 19.95	-16.45 0.79 7.84	-16.80 0.44 11.42	-17.50 0.56 9.84	1.86 0.09 -3.27	7.42 0.09 -9.47	-13.34 0.38 7.87	-13.85 -0.19 16.40	-18.54 0.38 13.51
CORNELL___ 23752	-8.65 -0.64 -11.21	-23.77 -1.23 -14.56	-7.81 -0.53 -9.12	8.09 0.10 -4.67	4.54 -0.04 -5.98	-4.91 -0.38 -8.60	11.37 0.22 -4.13	7.91 0.14 -3.71	8.48 0.07 -6.20	4.62 -0.10 -7.11	4.82 -0.03 -6.75	3.54 -0.03 -5.20	3.59 -0.06 -6.60	4.08 -0.08 -8.00	6.82 -0.29 -19.51	9.95 0.07 -7.33	0.90 -0.21 -10.51	2.67 -0.14 -8.63	4.70 -0.18 -13.11	5.63 -0.03 -7.16	5.05 -0.05 -7.25	1.11 -0.15 -7.11	7.64 0.08 -4.82	0.57 -0.14 -6.11
CORONA_AAV_69_KV_TB1 355595	33.44 -1.00 -53.66	30.54 -2.08 -69.72	26.34 -0.95 -43.70	25.89 0.20 -22.37	27.15 -0.08 -28.63	27.29 -0.74 -41.15	29.67 0.40 -22.25	31.61 0.23 -27.32	46.74 0.16 -44.37	31.58 -0.08 -34.06	38.92 -0.13 -40.94	38.31 -0.13 -40.07	32.07 -0.24 -35.26	31.56 -0.32 -35.72	74.09 -0.85 -87.33	35.59 0.20 -32.85	36.97 -0.73 -47.10	32.38 -0.44 -38.65	49.93 -0.57 -58.73	30.47 -0.10 -32.06	30.18 -0.13 -32.46	25.61 -0.39 -31.85	24.53 0.19 -21.60	21.68 -0.30 -27.39
CORTLAND_115KV_TB3 80093	-10.48 -0.42 -9.17	-25.99 -0.79 -11.91	-9.27 -0.33 -7.47	7.20 0.06 -3.82	3.46 -0.03 -4.89	-6.33 -0.24 -7.03	10.54 0.14 -3.38	7.18 0.09 -3.03	7.32 0.05 -5.07	3.36 -0.07 -5.82	3.60 -0.02 -5.51	2.60 -0.02 -4.24	2.40 -0.04 -5.39	2.64 -0.05 -6.53	3.34 -0.20 -15.93	8.58 0.05 -5.99	-0.95 -0.14 -8.59	1.14 -0.09 -7.05	2.37 -0.11 -10.71	4.33 -0.02 -5.84	3.74 -0.03 -5.92	-0.14 -0.10 -5.81	6.73 0.05 -3.94	-0.51 -0.09 -4.99
COXSACKIE___GT 23611	45.05 -1.07 -65.34	45.79 -2.01 -84.90	35.95 -0.86 -53.21	30.74 0.18 -27.24	33.39 -0.08 -34.87	36.27 -0.73 -50.11	31.95 0.40 -24.53	27.61 0.24 -23.31	40.58 0.14 -38.23	38.94 -0.14 -41.47	34.96 -0.11 -36.97	26.91 -0.06 -28.60	31.22 -0.12 -34.28	37.56 -0.16 -41.55	88.33 -0.54 -101.27	40.72 0.11 -38.07	44.74 -0.44 -54.58	38.68 -0.28 -44.78	59.33 -0.49 -68.05	35.56 -0.09 -37.15	35.33 -0.14 -37.62	30.69 -0.37 -36.91	27.94 0.18 -25.02	26.03 -0.30 -31.74
CPV_VALLEY___CC1 323721	25.01 -0.37 -44.60	20.11 -0.74 -57.96	19.58 -0.34 -36.32	21.98 0.07 -18.60	22.37 -0.03 -23.80	20.82 -0.27 -34.20	22.25 0.15 -15.08	13.64 0.09 -9.49	20.73 0.06 -18.46	25.90 -0.02 -28.31	19.38 -0.05 -21.32	11.30 -0.06 -12.98	22.47 -0.11 -25.53	26.97 -0.14 -30.95	62.96 -0.42 -75.78	31.13 0.09 -28.50	31.12 -0.34 -40.85	27.50 -0.21 -33.52	42.45 -0.27 -50.95	26.28 -0.05 -27.81	25.96 -0.05 -28.16	21.61 -0.17 -27.63	21.55 0.07 -18.73	18.21 -0.14 -23.76

CPV_VALLEY___CC2 323722	25.01 -0.37 -44.60	20.11 -0.74 -57.96	19.58 -0.34 -36.32	21.98 0.07 -18.60	22.37 -0.03 -23.80	20.82 -0.27 -34.20	22.25 0.15 -15.08	13.64 0.09 -9.49	20.73 0.06 -18.46	25.90 -0.02 -28.31	19.38 -0.05 -21.32	11.30 -0.06 -12.98	22.47 -0.11 -25.53	26.97 -0.14 -30.95	62.96 -0.42 -75.78	31.13 0.09 -28.50	31.12 -0.34 -40.85	27.50 -0.21 -33.52	42.45 -0.27 -50.95	26.28 -0.05 -27.81	25.96 -0.05 -28.16	21.61 -0.17 -27.63	21.55 0.07 -18.73	18.21 -0.14 -23.76
CRESCENT___HYD 24018	51.16 -0.50 -70.88	54.02 -0.97 -92.10	40.90 -0.42 -57.72	32.96 0.09 -29.55	36.38 -0.04 -37.82	40.88 -0.36 -54.36	33.97 0.18 -26.78	30.10 0.08 -25.96	44.24 0.05 -41.98	42.54 -0.05 -44.99	38.16 -0.06 -40.12	29.61 -0.04 -31.28	33.68 -0.08 -36.70	40.54 -0.10 -44.48	95.61 -0.34 -108.35	43.33 0.06 -40.73	48.73 -0.27 -58.39	41.93 -0.16 -47.91	64.34 -0.25 -72.81	38.21 -0.05 -39.75	38.03 -0.07 -40.25	33.47 -0.17 -39.49	29.59 0.08 -26.77	28.40 -0.15 -33.96
CRICKET___VALLEY_CC1 323756	38.59 -0.32 -58.14	37.85 -0.59 -75.55	30.68 -0.26 -47.34	27.62 0.06 -24.24	29.60 -0.02 -31.02	31.25 -0.22 -44.59	30.04 0.14 -22.88	28.98 0.09 -24.84	39.75 0.06 -37.49	34.50 -0.01 -36.90	33.82 -0.06 -35.77	27.56 -0.06 -29.24	28.10 -0.11 -31.16	33.78 -0.14 -37.76	79.00 -0.44 -91.84	37.16 0.10 -34.52	39.72 -0.37 -49.49	34.57 -0.22 -40.61	53.20 -0.28 -61.71	32.15 -0.05 -33.68	31.91 -0.06 -34.11	27.44 -0.18 -33.47	25.51 0.08 -22.69	23.21 -0.16 -28.78
CRICKET___VALLEY_CC2 323757	38.59 -0.32 -58.14	37.85 -0.59 -75.55	30.68 -0.26 -47.34	27.62 0.06 -24.24	29.60 -0.02 -31.02	31.25 -0.22 -44.59	30.04 0.14 -22.88	28.98 0.09 -24.84	39.75 0.06 -37.49	34.50 -0.01 -36.90	33.82 -0.06 -35.77	27.56 -0.06 -29.24	28.10 -0.11 -31.16	33.78 -0.14 -37.76	79.00 -0.44 -91.84	37.16 0.10 -34.52	39.72 -0.37 -49.49	34.57 -0.22 -40.61	53.20 -0.28 -61.71	32.15 -0.05 -33.68	31.91 -0.06 -34.11	27.44 -0.18 -33.47	25.51 0.08 -22.69	23.21 -0.16 -28.78
CRICKET___VALLEY_CC3 323758	38.59 -0.32 -58.14	37.85 -0.59 -75.55	30.68 -0.26 -47.34	27.62 0.06 -24.24	29.60 -0.02 -31.02	31.25 -0.22 -44.59	30.04 0.14 -22.88	28.98 0.09 -24.84	39.75 0.06 -37.49	34.50 -0.01 -36.90	33.82 -0.06 -35.77	27.56 -0.06 -29.24	28.10 -0.11 -31.16	33.78 -0.14 -37.76	79.00 -0.44 -91.84	37.16 0.10 -34.52	39.72 -0.37 -49.49	34.57 -0.22 -40.61	53.20 -0.28 -61.71	32.15 -0.05 -33.68	31.91 -0.06 -34.11	27.44 -0.18 -33.47	25.51 0.08 -22.69	23.21 -0.16 -28.78
CRUCIBLE_METL_DRP 24180	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.17 -4.04	5.56 0.03 -2.22	1.42 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.02 -3.13	-0.07 -0.07 -3.79	-3.22 -0.07 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
DAHOWA___HYDRO 323763	51.85 -1.05 -72.12	54.68 -1.92 -93.71	41.50 -0.84 -58.73	33.56 0.17 -30.07	37.01 -0.08 -38.48	41.50 -0.70 -55.31	34.59 0.36 -27.21	30.49 0.19 -26.25	44.86 0.10 -42.56	43.26 -0.12 -45.78	38.66 -0.10 -40.66	29.93 -0.07 -31.62	34.20 -0.12 -37.27	41.17 -0.17 -45.17	97.07 -0.57 -110.04	44.02 0.12 -41.36	49.41 -0.49 -59.30	42.54 -0.30 -48.66	65.25 -0.47 -73.95	38.79 -0.09 -40.37	38.61 -0.13 -40.87	33.93 -0.32 -40.11	30.08 0.14 -27.19	28.80 -0.28 -34.48
DANC___LFGE 323619	-15.48 0.79 -2.95	-29.68 1.60 -5.84	-11.44 0.68 -4.28	19.46 -0.10 -16.25	12.15 0.05 -13.50	-6.24 0.44 -6.44	65.37 -0.16 -58.51	80.75 -0.12 -76.81	39.13 -0.05 -36.97	-7.70 0.08 5.38	-7.94 0.09 6.14	16.84 0.08 -18.38	18.18 0.17 -20.96	-11.28 0.20 7.64	-14.05 0.66 2.31	-9.92 -0.15 12.31	-12.60 0.53 3.74	-11.95 0.31 6.44	-12.67 0.38 4.82	1.82 0.06 -3.25	5.31 0.06 -7.39	-9.92 0.25 4.32	-7.66 -0.12 10.27	-13.38 0.25 8.22
DANSKAMMER___1 23586	34.27 -0.78 -54.28	31.94 -1.48 -70.53	27.14 -0.66 -44.20	26.08 0.14 -22.63	27.50 -0.05 -28.96	27.98 -0.53 -41.62	27.78 0.30 -20.46	23.94 0.18 -19.70	32.33 0.11 -30.01	31.99 -0.07 -34.45	28.72 -0.10 -30.71	21.55 -0.10 -23.27	26.41 -0.19 -29.54	31.73 -0.24 -35.81	74.24 -0.76 -87.40	35.56 0.16 -32.86	37.11 -0.60 -47.11	32.46 -0.37 -38.65	50.03 -0.49 -58.74	30.49 -0.09 -32.07	30.22 -0.11 -32.47	25.69 -0.32 -31.86	24.49 0.15 -21.60	21.72 -0.27 -27.40
DANSKAMMER___2 23589	34.27 -0.78 -54.28	31.94 -1.48 -70.53	27.14 -0.66 -44.20	26.08 0.14 -22.63	27.50 -0.05 -28.96	27.98 -0.53 -41.62	27.78 0.30 -20.46	23.94 0.18 -19.70	32.33 0.11 -30.01	31.99 -0.07 -34.45	28.72 -0.10 -30.71	21.55 -0.10 -23.27	26.41 -0.19 -29.54	31.73 -0.24 -35.81	74.24 -0.76 -87.40	35.56 0.16 -32.86	37.11 -0.60 -47.11	32.46 -0.37 -38.65	50.03 -0.49 -58.74	30.49 -0.09 -32.07	30.22 -0.11 -32.47	25.69 -0.32 -31.86	24.49 0.15 -21.60	21.72 -0.27 -27.40
DANSKAMMER___3 23590	34.27 -0.78 -54.28	31.94 -1.48 -70.53	27.14 -0.66 -44.20	26.08 0.14 -22.63	27.50 -0.05 -28.96	27.98 -0.53 -41.62	27.78 0.30 -20.46	23.94 0.18 -19.70	32.33 0.11 -30.01	31.99 -0.07 -34.45	28.72 -0.10 -30.71	21.55 -0.10 -23.27	26.41 -0.19 -29.54	31.73 -0.24 -35.81	74.24 -0.76 -87.40	35.56 0.16 -32.86	37.11 -0.60 -47.11	32.46 -0.37 -38.65	50.03 -0.49 -58.74	30.49 -0.09 -32.07	30.22 -0.11 -32.47	25.69 -0.32 -31.86	24.49 0.15 -21.60	21.72 -0.27 -27.40
DANSKAMMER___4 23591	34.27 -0.78 -54.28	31.94 -1.48 -70.53	27.14 -0.66 -44.20	26.08 0.14 -22.63	27.50 -0.05 -28.96	27.98 -0.53 -41.62	27.78 0.30 -20.46	23.94 0.18 -19.70	32.33 0.11 -30.01	31.99 -0.07 -34.45	28.72 -0.10 -30.71	21.55 -0.10 -23.27	26.41 -0.19 -29.54	31.73 -0.24 -35.81	74.24 -0.76 -87.40	35.56 0.16 -32.86	37.11 -0.60 -47.11	32.46 -0.37 -38.65	50.03 -0.49 -58.74	30.49 -0.09 -32.07	30.22 -0.11 -32.47	25.69 -0.32 -31.86	24.49 0.15 -21.60	21.72 -0.27 -27.40
DANSKAMMER___DIESEL 23592	34.28 -0.78 -54.28	31.94 -1.48 -70.53	27.14 -0.66 -44.20	26.08 0.14 -22.63	27.50 -0.05 -28.96	27.98 -0.53 -41.62	27.78 0.30 -20.46	23.94 0.18 -19.70	32.33 0.11 -30.01	31.99 -0.07 -34.45	28.72 -0.10 -30.71	21.55 -0.10 -23.27	26.41 -0.19 -29.54	31.73 -0.24 -35.81	74.24 -0.76 -87.40	35.56 0.16 -32.86	37.11 -0.60 -47.11	32.46 -0.37 -38.65	50.03 -0.49 -58.74	30.49 -0.09 -32.07	30.22 -0.11 -32.47	25.69 -0.32 -31.86	24.49 0.15 -21.60	21.72 -0.27 -27.40
DARBY___SOLAR 323810	51.78 -0.94 -71.95	54.63 -1.74 -93.48	41.43 -0.76 -58.59	33.47 0.16 -29.99	36.92 -0.07 -38.39	41.43 -0.63 -55.17	34.49 0.33 -27.15	30.44 0.17 -26.21	44.78 0.09 -42.48	43.16 -0.11 -45.66	38.59 -0.09 -40.58	29.89 -0.06 -31.58	34.13 -0.11 -37.19	41.08 -0.15 -45.07	96.87 -0.53 -109.80	43.92 0.10 -41.27	49.32 -0.46 -59.17	42.45 -0.28 -48.56	65.12 -0.44 -73.78	38.70 -0.08 -40.28	38.53 -0.11 -40.78	33.87 -0.30 -40.02	30.01 0.13 -27.13	28.74 -0.26 -34.41
DASHVILLE___HYD 23610	36.60 -0.40 -56.23	35.18 -0.77 -73.06	29.04 -0.35 -45.79	26.84 0.08 -23.44	28.57 -0.03 -30.00	29.73 -0.27 -43.12	27.92 0.17 -20.73	22.79 0.12 -18.61	33.38 0.08 -31.09	33.29 0.00 -35.69	29.67 -0.06 -31.62	22.24 -0.07 -23.94	27.29 -0.15 -30.38	32.80 -0.19 -36.83	76.90 -0.55 -89.85	36.46 0.14 -33.78	38.58 -0.45 -48.43	33.65 -0.27 -39.74	51.83 -0.34 -60.39	31.42 -0.06 -32.96	31.17 -0.07 -33.38	26.69 -0.21 -32.75	25.05 0.11 -22.21	22.58 -0.17 -28.16

DEERFIELD_69_KV_DEERFIELD LD 355887	32.45 -1.99 -53.66	28.46 -4.16 -69.72	25.41 -1.89 -43.70	26.08 0.39 -22.37	27.08 -0.16 -28.63	26.56 -1.47 -41.15	30.09 0.82 -22.25	31.89 0.51 -27.32	46.90 0.33 -44.37	31.40 -0.27 -34.06	75.42 -0.28 -77.60	117.69 -0.25 -119.58	34.85 -0.45 -38.24	31.90 -0.60 -36.34	82.22 -1.68 -96.29	96.97 0.38 -94.05	205.21 -1.42 -216.03	311.88 -0.84 -318.54	273.29 -1.12 -282.63	67.03 -0.21 -68.73	30.03 -0.30 -32.46	25.17 -0.84 -31.85	24.76 0.43 -21.60	21.30 -0.70 -27.40
DELAWARE___LFGE 323621	-0.41 -0.51 -19.33	-12.58 -1.02 -25.54	-0.84 -0.45 -16.01	11.60 0.09 -8.19	9.05 -0.03 -10.49	1.61 -0.35 -15.08	14.47 0.20 -7.25	10.68 0.12 -6.51	13.15 0.07 -10.87	10.02 -0.06 -12.48	10.25 -0.05 -12.20	7.77 -0.05 -9.45	8.95 -0.09 -11.99	10.58 -0.12 -14.54	22.70 -0.37 -35.47	15.96 0.09 -13.33	9.43 -0.29 -19.12	9.69 -0.18 -15.69	15.36 -0.25 -23.84	11.48 -0.04 -13.01	10.97 -0.06 -13.18	6.90 -0.17 -12.93	11.59 0.08 -8.77	5.55 -0.15 -11.12
DERFIELD_115KV_TB7 355931	-17.41 0.12 -1.70	-36.43 0.22 -0.46	-15.75 0.08 -0.57	3.30 -0.02 0.00	-1.39 0.01 0.00	-13.06 0.06 0.00	6.99 -0.03 0.00	4.03 -0.02 0.00	2.20 -0.01 0.00	-0.78 0.01 -1.61	0.00 0.01 -1.88	4.64 0.01 -6.25	3.60 0.02 -6.53	-2.42 0.02 -1.39	-11.21 0.08 -1.11	4.53 -0.01 -2.00	-7.87 0.05 -1.47	-4.40 0.03 -1.39	-6.94 0.04 -1.25	-0.90 0.01 -0.58	-2.13 0.01 0.00	-5.02 0.03 -0.80	4.38 -0.02 -1.65	-4.17 0.03 -1.22
DOGLEVILLE___HYD 23807	-17.35 0.17 -1.70	-36.28 0.37 -0.46	-15.63 0.19 -0.57	3.27 -0.04 0.00	-1.39 0.01 0.00	-12.96 0.15 0.00	6.90 -0.12 0.00	4.02 -0.03 0.00	2.17 -0.04 0.00	-0.77 0.02 -1.61	0.02 0.03 -1.88	4.64 0.01 -6.25	3.61 0.03 -6.53	-2.38 0.08 -1.39	-11.01 0.27 -1.11	4.46 -0.08 -2.00	-7.72 0.21 -1.47	-4.35 0.08 -1.39	-6.91 0.07 -1.25	-0.89 0.02 -0.58	-2.10 0.04 0.00	-4.94 0.11 -0.80	4.33 -0.06 -1.65	-4.07 0.12 -1.22
DUNKIRK___115KV_TB_200 55889	-10.92 -1.04 -9.34	-27.91 -2.17 -11.36	-10.12 -0.85 -7.12	7.13 0.17 -3.64	3.18 -0.08 -4.67	-7.08 -0.68 -6.71	10.50 0.26 -3.22	7.13 0.19 -2.89	7.11 0.06 -4.84	2.95 -0.21 -5.55	3.36 0.00 -5.26	2.43 0.01 -4.05	2.20 0.01 -5.14	2.40 0.00 -6.23	2.63 -0.16 -15.19	8.34 0.08 -5.71	-1.27 -0.06 -8.19	0.90 0.01 -6.72	1.96 -0.03 -10.21	4.07 -0.01 -5.58	3.47 -0.04 -5.64	-0.46 -0.15 -5.54	6.61 0.12 -3.75	-0.89 -0.25 -4.76
DUNKIRK___1 23563	-10.92 -1.04 -9.34	-27.91 -2.17 -11.36	-10.12 -0.85 -7.12	7.13 0.17 -3.64	3.18 -0.08 -4.67	-7.08 -0.68 -6.71	10.50 0.26 -3.22	7.13 0.19 -2.89	7.11 0.06 -4.84	2.95 -0.21 -5.55	3.36 0.00 -5.26	2.43 0.01 -4.05	2.20 0.01 -5.14	2.40 0.00 -6.23	2.63 -0.16 -15.19	8.34 0.08 -5.71	-1.27 -0.06 -8.19	0.90 0.01 -6.72	1.96 -0.03 -10.21	4.07 -0.01 -5.58	3.47 -0.04 -5.64	-0.46 -0.15 -5.54	6.61 0.12 -3.75	-0.89 -0.25 -4.76
DUNKIRK___2 23564	-10.92 -1.04 -9.34	-27.91 -2.17 -11.36	-10.12 -0.85 -7.12	7.13 0.17 -3.64	3.18 -0.08 -4.67	-7.08 -0.68 -6.71	10.50 0.26 -3.22	7.13 0.19 -2.89	7.11 0.06 -4.84	2.95 -0.21 -5.55	3.36 0.00 -5.26	2.43 0.01 -4.05	2.20 0.01 -5.14	2.40 0.00 -6.23	2.63 -0.16 -15.19	8.34 0.08 -5.71	-1.27 -0.06 -8.19	0.90 0.01 -6.72	1.96 -0.03 -10.21	4.07 -0.01 -5.58	3.47 -0.04 -5.64	-0.46 -0.15 -5.54	6.61 0.12 -3.75	-0.89 -0.25 -4.76
DUNKIRK___3 23565	-11.02 -1.06 -9.26	-27.92 -2.15 -11.34	-10.14 -0.85 -7.11	7.12 0.17 -3.64	3.17 -0.08 -4.66	-7.08 -0.66 -6.69	10.49 0.25 -3.22	7.13 0.18 -2.89	7.10 0.07 -4.83	2.93 -0.21 -5.54	3.35 -0.01 -5.25	2.42 0.01 -4.04	2.19 0.00 -5.12	2.38 0.00 -6.21	2.60 -0.17 -15.16	8.33 0.08 -5.70	-1.30 -0.07 -8.17	0.89 0.00 -6.71	1.93 -0.03 -10.19	4.06 -0.01 -5.56	3.46 -0.03 -5.63	-0.46 -0.14 -5.53	6.60 0.12 -3.75	-0.89 -0.24 -4.75
DUNKIRK___4 23566	-11.02 -1.06 -9.26	-27.92 -2.15 -11.34	-10.14 -0.85 -7.11	7.12 0.17 -3.64	3.17 -0.08 -4.66	-7.08 -0.66 -6.69	10.49 0.25 -3.22	7.13 0.18 -2.89	7.10 0.07 -4.83	2.93 -0.21 -5.54	3.35 -0.01 -5.25	2.42 0.01 -4.04	2.19 0.00 -5.12	2.38 0.00 -6.21	2.60 -0.17 -15.16	8.33 0.08 -5.70	-1.30 -0.07 -8.17	0.89 0.00 -6.71	1.93 -0.03 -10.19	4.06 -0.01 -5.56	3.46 -0.03 -5.63	-0.46 -0.14 -5.53	6.60 0.12 -3.75	-0.89 -0.24 -4.75
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	33.67 -0.74 -53.63	31.16 -1.42 -69.69	26.63 -0.65 -43.68	25.80 0.13 -22.36	27.16 -0.05 -28.62	27.51 -0.51 -41.13	29.56 0.29 -22.25	31.58 0.18 -27.35	46.79 0.11 -44.47	31.60 -0.05 -34.04	38.28 -0.10 -40.27	35.35 -0.10 -37.07	26.14 -0.19 -29.27	31.42 -0.25 -35.51	74.19 -0.72 -87.31	35.54 0.15 -32.84	37.12 -0.57 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.70 -0.29 -31.84	24.47 0.14 -21.59	21.73 -0.25 -27.39
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	32.21 -0.62 -52.06	29.34 -1.19 -67.64	25.45 -0.54 -42.39	25.13 0.11 -21.70	26.33 -0.04 -27.78	26.38 -0.42 -39.92	25.98 0.24 -18.73	19.63 0.15 -15.43	28.45 0.09 -26.15	30.60 -0.04 -33.04	25.35 -0.08 -27.32	17.45 -0.08 -19.16	25.52 -0.16 -28.62	30.66 -0.20 -34.70	71.78 -0.62 -84.80	34.56 0.14 -31.88	35.81 -0.50 -45.71	31.38 -0.31 -37.51	48.37 -0.40 -57.00	29.56 -0.07 -31.12	29.27 -0.09 -31.51	24.81 -0.26 -30.91	23.82 0.12 -20.96	20.95 -0.22 -26.58
E179THST_138_KV_TB4_REV_LBMP_J 345001	33.55 -0.86 -53.63	30.94 -1.64 -69.69	26.52 -0.76 -43.67	25.83 0.15 -22.36	27.15 -0.07 -28.62	27.41 -0.60 -41.13	29.62 0.34 -22.25	31.63 0.22 -27.35	46.83 0.14 -44.48	31.62 -0.02 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.56 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.01 -0.48 -58.72	30.48 -0.09 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.29 -27.38
E179THST_13_KV_LOAD 356214	33.44 -0.97 -53.63	30.72 -1.86 -69.69	26.42 -0.85 -43.67	25.85 0.17 -22.36	27.14 -0.07 -28.62	27.34 -0.67 -41.13	29.65 0.38 -22.25	31.65 0.24 -27.35	46.84 0.15 -44.48	31.61 -0.04 -34.04	38.27 -0.12 -40.28	35.34 -0.12 -37.09	26.09 -0.24 -29.27	31.38 -0.30 -35.51	74.03 -0.88 -87.31	35.58 0.19 -32.84	37.00 -0.69 -47.09	32.40 -0.42 -38.64	49.96 -0.53 -58.72	30.47 -0.10 -32.05	30.19 -0.12 -32.46	25.63 -0.37 -31.84	24.49 0.16 -21.59	21.65 -0.32 -27.38
EAST HAMPTON___GT 23717	32.07 -2.37 -53.66	27.72 -4.89 -69.72	25.08 -2.22 -43.70	26.15 0.46 -22.37	27.05 -0.18 -28.63	26.30 -1.73 -41.15	30.23 0.96 -22.25	31.98 0.60 -27.32	46.95 0.38 -44.37	31.33 -0.33 -34.06	75.37 -0.33 -77.59	117.64 -0.29 -119.56	34.79 -0.51 -38.24	31.81 -0.69 -36.34	81.93 -1.96 -96.30	97.03 0.44 -94.05	204.98 -1.64 -216.01	311.75 -0.93 -318.50	273.12 -1.25 -282.59	66.99 -0.25 -68.73	29.98 -0.34 -32.46	25.03 -0.97 -31.85	24.83 0.49 -21.60	21.17 -0.82 -27.40
EAST RIVER___6 23660	33.55 -0.86 -53.63	30.96 -1.62 -69.69	26.54 -0.74 -43.67	25.82 0.15 -22.36	27.15 -0.07 -28.62	27.44 -0.58 -41.13	29.59 0.32 -22.25	31.61 0.20 -27.35	46.82 0.13 -44.48	31.59 -0.05 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.39 -0.28 -35.51	74.09 -0.82 -87.31	35.56 0.17 -32.84	37.05 -0.64 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.49 0.16 -21.59	21.68 -0.29 -27.38

EAST RIVER___7 23524	33.55 -0.86 -53.63	30.96 -1.62 -69.69	26.54 -0.74 -43.67	25.82 0.15 -22.36	27.15 -0.07 -28.62	27.44 -0.58 -41.13	29.59 0.32 -22.25	31.61 0.20 -27.35	46.82 0.13 -44.48	31.59 -0.05 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.39 -0.28 -35.51	74.09 -0.82 -87.31	35.56 0.17 -32.84	37.05 -0.64 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.49 0.16 -21.59	21.68 -0.29 -27.38
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	33.49 -0.70 -53.41	30.96 -1.33 -69.40	26.49 -0.61 -43.49	25.71 0.12 -22.26	27.05 -0.05 -28.50	27.36 -0.48 -40.96	29.54 0.27 -22.25	31.80 0.16 -27.58	47.68 0.11 -45.37	31.46 -0.04 -33.90	38.90 -0.09 -40.88	36.29 -0.09 -38.01	26.05 -0.18 -29.18	31.32 -0.24 -35.40	74.03 -0.69 -87.12	35.46 0.14 -32.77	37.04 -0.55 -46.99	32.40 -0.33 -38.56	49.95 -0.42 -58.59	30.42 -0.07 -31.99	30.15 -0.09 -32.39	25.65 -0.28 -31.78	24.42 0.13 -21.54	21.68 -0.24 -27.33
EAST_HAMPTON___DIESEL 23722	32.06 -2.37 -53.66	27.70 -4.91 -69.72	25.08 -2.22 -43.70	26.15 0.46 -22.37	27.05 -0.18 -28.63	26.30 -1.73 -41.15	30.23 0.96 -22.25	31.98 0.60 -27.32	46.95 0.38 -44.37	31.34 -0.33 -34.06	75.37 -0.33 -77.59	117.64 -0.29 -119.56	34.79 -0.51 -38.24	31.81 -0.69 -36.34	81.93 -1.97 -96.30	97.03 0.44 -94.05	204.97 -1.65 -216.02	311.74 -0.94 -318.50	273.12 -1.25 -282.59	66.99 -0.25 -68.73	29.98 -0.34 -32.46	25.03 -0.97 -31.85	24.83 0.49 -21.60	21.17 -0.82 -27.40
EAST_PULASKI___ESR 323781	-14.79 0.33 -4.11	-30.49 0.67 -5.94	-11.97 0.30 -4.13	12.81 -0.05 -9.55	6.95 0.03 -8.32	-7.87 0.21 -5.03	38.96 -0.08 -32.03	45.73 -0.05 -41.72	23.08 -0.02 -20.90	-3.49 0.03 1.13	-3.37 0.04 1.52	10.90 0.04 -12.48	11.33 0.08 -14.20	-5.97 0.10 2.23	-9.41 0.31 -2.68	-2.21 -0.07 4.68	-8.79 0.27 -0.35	-7.13 0.15 1.47	-7.85 0.18 -0.19	1.76 0.03 -3.22	3.18 0.03 -5.29	-6.51 0.12 0.78	-1.47 -0.06 4.15	-8.23 0.11 2.93
EAST_RIVER___1 323558	33.61 -0.80 -53.63	31.05 -1.53 -69.69	26.58 -0.70 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.47 -0.55 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38
EAST_RIVER___2 323559	33.55 -0.86 -53.63	30.96 -1.62 -69.69	26.54 -0.74 -43.67	25.82 0.15 -22.36	27.15 -0.07 -28.62	27.44 -0.58 -41.13	29.59 0.32 -22.25	31.61 0.20 -27.35	46.82 0.13 -44.48	31.59 -0.05 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.39 -0.28 -35.51	74.09 -0.82 -87.31	35.56 0.17 -32.84	37.05 -0.64 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.49 0.16 -21.59	21.68 -0.29 -27.38
EAST___DELAWARE_HYD 23607	27.35 -0.46 -47.04	23.17 -0.84 -61.12	21.52 -0.38 -38.30	23.00 0.08 -19.61	23.67 -0.03 -25.10	22.67 -0.28 -36.07	24.14 0.17 -16.95	18.22 0.11 -14.05	26.64 0.07 -24.37	27.43 -0.02 -29.85	23.71 -0.06 -25.66	16.69 -0.06 -18.38	23.49 -0.11 -26.55	28.20 -0.15 -32.19	65.69 -0.53 -78.62	32.22 0.12 -29.56	32.57 -0.41 -42.38	28.69 -0.26 -34.77	44.26 -0.36 -52.84	27.29 -0.06 -28.85	26.99 -0.08 -29.21	22.60 -0.21 -28.66	22.27 0.10 -19.43	19.06 -0.17 -24.64
EIGHT_POINT___WT_PWR 323820	-1.57 -0.37 -18.02	-24.25 -0.67 -13.53	-8.19 -0.27 -8.48	7.69 0.04 -4.34	4.13 -0.03 -5.55	-5.39 -0.26 -7.99	10.98 0.13 -3.84	7.57 0.07 -3.45	7.98 0.02 -5.76	4.06 -0.15 -6.61	4.45 0.08 -6.26	3.27 0.08 -4.82	3.30 0.12 -6.11	3.71 0.13 -7.41	5.99 0.30 -18.09	9.30 -0.04 -6.80	0.73 0.38 -9.75	2.41 0.23 -8.00	4.24 0.31 -12.16	5.20 0.05 -6.64	4.63 0.05 -6.72	0.83 0.09 -6.59	7.19 -0.02 -4.47	0.25 0.00 -5.67
ELBRIDGE_115KV_TB2 80188	-13.81 -0.21 -5.62	-30.20 -0.40 -7.31	-11.99 -0.17 -4.58	5.69 0.03 -2.34	1.59 -0.01 -3.00	-8.89 -0.09 -4.31	9.15 0.06 -2.07	5.96 0.04 -1.86	5.34 0.02 -3.11	1.14 -0.04 -3.57	1.49 0.00 -3.38	0.98 0.00 -2.60	0.36 0.00 -3.31	0.16 -0.01 -4.01	-2.67 -0.05 -9.78	6.24 0.01 -3.68	-4.16 -0.02 -5.27	-1.50 -0.01 -4.32	-1.67 -0.01 -6.57	2.09 0.00 -3.59	1.48 0.00 -3.63	-2.31 -0.02 -3.57	5.17 0.01 -2.42	-2.37 -0.03 -3.07
ELEC_TRO_TEK 24086	33.55 -0.88 -53.66	30.76 -1.86 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.67 -41.15	29.64 0.37 -22.25	31.59 0.22 -27.32	46.73 0.15 -44.37	31.59 -0.08 -34.06	38.92 -0.12 -40.94	38.32 -0.13 -40.07	32.09 -0.23 -35.26	31.58 -0.30 -35.72	74.16 -0.77 -87.33	35.58 0.18 -32.85	37.04 -0.66 -47.10	32.43 -0.40 -38.65	49.99 -0.52 -58.73	30.48 -0.09 -32.06	30.20 -0.12 -32.46	25.64 -0.37 -31.85	24.52 0.18 -21.60	21.69 -0.29 -27.39
ELLENBURG_WT_PWR 323604	-78.16 2.51 61.45	-52.67 5.03 20.59	-40.02 2.21 25.82	-50.20 -0.47 53.05	-42.71 0.17 41.48	-24.19 1.55 12.62	-200.79 -0.90 206.91	-270.28 -0.60 273.74	-124.38 -0.33 126.26	-34.76 0.33 32.70	-42.39 0.30 40.79	-299.14 0.24 297.76	-318.38 0.47 315.91	-18.33 0.62 15.11	-20.11 1.97 9.69	-20.17 -0.40 22.31	-37.22 1.38 29.20	-23.73 0.92 18.83	-20.60 1.25 13.62	-26.30 0.22 25.03	-19.56 0.30 17.71	-11.04 0.87 6.07	-17.29 -0.41 19.62	-13.38 0.76 8.73
ELM_ST_23_KV_LD_REV_LBMP_A 345012	-11.52 -1.17 -8.87	-28.52 -2.20 -10.79	-10.54 -0.91 -6.76	6.95 0.17 -3.46	2.95 -0.08 -4.43	-7.41 -0.66 -6.37	10.32 0.24 -3.06	6.96 0.16 -2.75	6.85 0.06 -4.59	2.64 -0.24 -5.27	3.09 -0.01 -4.99	2.23 0.01 -3.84	1.95 0.02 -4.88	2.09 0.02 -5.91	1.93 -0.10 -14.42	8.02 0.05 -5.42	-1.71 -0.08 -7.77	0.57 0.02 -6.38	1.44 -0.02 -9.69	3.79 -0.01 -5.29	3.19 -0.03 -5.36	-0.71 -0.12 -5.26	6.41 0.11 -3.57	-1.12 -0.23 -4.52
EMPIRE_CC_1 323656	47.53 -0.09 -66.84	49.55 -0.19 -86.85	37.95 -0.08 -54.43	31.21 0.03 -27.87	34.25 -0.01 -35.66	38.05 -0.09 -51.26	32.49 0.04 -25.43	29.24 0.00 -25.18	42.46 0.01 -40.24	40.04 0.01 -42.42	36.57 -0.03 -38.49	28.66 -0.01 -30.30	31.92 -0.03 -34.89	38.41 -0.04 -42.28	90.46 -0.12 -102.98	41.26 0.01 -38.71	46.00 -0.10 -55.49	39.66 -0.05 -45.54	60.89 -0.08 -69.20	36.27 -0.02 -37.77	36.08 -0.02 -38.25	31.62 -0.06 -37.53	28.21 0.03 -25.45	26.81 -0.05 -32.27
EMPIRE_CC_2 323658	47.53 -0.09 -66.84	49.55 -0.19 -86.85	37.95 -0.08 -54.43	31.21 0.03 -27.87	34.25 -0.01 -35.66	38.05 -0.09 -51.26	32.49 0.04 -25.43	29.24 0.00 -25.18	42.46 0.01 -40.24	40.04 0.01 -42.42	36.57 -0.03 -38.49	28.66 -0.01 -30.30	31.92 -0.03 -34.89	38.41 -0.04 -42.28	90.46 -0.12 -102.98	41.26 0.01 -38.71	46.00 -0.10 -55.49	39.66 -0.05 -45.54	60.89 -0.08 -69.20	36.27 -0.02 -37.77	36.08 -0.02 -38.25	31.62 -0.06 -37.53	28.21 0.03 -25.45	26.81 -0.05 -32.27
ENORWICH_115KV_TB1 80156	-5.88 -1.27 -14.61	-20.38 -2.66 -19.39	-5.50 -1.25 -12.15	9.77 0.23 -6.22	6.47 -0.09 -7.96	-2.58 -0.91 -11.44	13.04 0.52 -5.50	9.31 0.32 -4.94	10.63 0.17 -8.25	6.85 -0.23 -9.47	7.08 -0.12 -9.08	5.29 -0.10 -7.01	5.80 -0.15 -8.90	6.79 -0.16 -10.78	13.44 -0.48 -26.31	12.55 0.11 -9.89	4.25 -0.53 -14.18	5.42 -0.39 -11.64	8.95 -0.51 -17.68	8.06 -0.10 -9.65	7.50 -0.13 -9.78	3.39 -0.36 -9.59	9.41 0.17 -6.50	2.58 -0.26 -8.25

ERIE_ST__34_KV_TB1-2 80199	-11.39 -1.36 -9.20	-28.47 -2.55 -11.19	-10.44 -1.05 -7.01	7.12 0.21 -3.59	3.10 -0.09 -4.60	-7.28 -0.77 -6.60	10.51 0.32 -3.18	7.12 0.22 -2.85	7.06 0.09 -4.76	2.81 -0.26 -5.47	3.25 -0.03 -5.18	2.35 -0.01 -3.99	2.08 -0.03 -5.06	2.25 -0.05 -6.13	2.28 -0.29 -14.96	8.27 0.10 -5.62	-1.55 -0.21 -8.06	0.73 -0.07 -6.62	1.70 -0.13 -10.05	3.96 -0.03 -5.49	3.36 -0.05 -5.56	-0.58 -0.19 -5.45	6.58 0.15 -3.70	-1.00 -0.28 -4.69
ERIE_WT_PWR 323693	-11.36 -1.23 -9.09	-28.41 -2.35 -11.04	-10.44 -0.96 -6.92	7.05 0.19 -3.54	3.05 -0.08 -4.54	-7.30 -0.70 -6.52	10.42 0.27 -3.13	7.05 0.18 -2.81	6.97 0.07 -4.70	2.75 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 0.00 -4.99	2.21 0.00 -6.05	2.21 -0.16 -14.77	8.16 0.06 -5.55	-1.56 -0.12 -7.96	0.70 -0.01 -6.53	1.65 -0.05 -9.92	3.91 -0.02 -5.42	3.30 -0.04 -5.49	-0.61 -0.14 -5.38	6.50 0.11 -3.65	-1.03 -0.24 -4.63
ESPRGFLD_115KV_TB1 80157	-35.61 -1.11 15.27	-59.22 -2.27 19.85	-29.86 -1.03 12.44	-2.84 0.21 6.37	-9.63 -0.08 8.15	-25.64 -0.81 11.71	2.14 0.46 5.34	0.41 0.26 3.91	-6.08 0.15 8.44	-12.23 -0.14 9.69	-7.99 -0.11 5.99	-5.84 -0.09 4.12	-8.31 -0.13 5.24	-10.35 -0.16 6.35	-28.42 -0.49 15.52	-3.15 0.14 5.84	-18.18 -0.41 8.37	-12.98 -0.29 6.87	-19.11 -0.45 10.43	-7.27 -0.08 5.70	-8.02 -0.11 5.77	-11.82 -0.31 5.66	-0.95 0.15 3.84	-10.55 -0.28 4.87
ETNA_115_KV_TB1_REV_LBMP_C 345029	-8.66 -0.60 -11.16	-23.78 -1.18 -14.50	-7.82 -0.51 -9.09	8.06 0.09 -4.65	4.51 -0.04 -5.96	-4.92 -0.36 -8.56	11.34 0.21 -4.12	7.89 0.14 -3.70	8.45 0.07 -6.17	4.59 -0.10 -7.09	4.80 -0.04 -6.72	3.52 -0.03 -5.18	3.57 -0.05 -6.57	4.05 -0.07 -7.97	6.77 -0.27 -19.44	9.92 0.07 -7.31	0.87 -0.20 -10.48	2.64 -0.13 -8.60	4.66 -0.17 -13.06	5.61 -0.03 -7.13	5.03 -0.05 -7.22	1.09 -0.14 -7.08	7.62 0.08 -4.80	0.55 -0.13 -6.09
ETNA____115KV_TB2 80207	-8.66 -0.60 -11.16	-23.78 -1.18 -14.50	-7.82 -0.51 -9.09	8.06 0.09 -4.65	4.51 -0.04 -5.96	-4.92 -0.36 -8.56	11.34 0.21 -4.12	7.89 0.14 -3.70	8.45 0.07 -6.17	4.59 -0.10 -7.09	4.80 -0.04 -6.72	3.52 -0.03 -5.18	3.57 -0.05 -6.57	4.05 -0.07 -7.97	6.77 -0.27 -19.44	9.92 0.07 -7.31	0.87 -0.20 -10.48	2.64 -0.13 -8.60	4.66 -0.17 -13.06	5.61 -0.03 -7.13	5.03 -0.05 -7.22	1.09 -0.14 -7.08	7.62 0.08 -4.80	0.55 -0.13 -6.09
EUCLID____115KV_TB2 356179	-13.63 -0.02 -5.61	-30.79 -0.01 -6.34	-12.12 0.01 -4.27	7.42 0.00 -4.11	2.76 0.00 -4.15	-9.09 0.03 -4.00	17.35 -0.02 -10.35	17.04 0.00 -12.99	10.00 -0.01 -7.80	0.43 -0.02 -2.84	0.91 0.01 -2.79	7.54 0.01 -9.16	7.32 0.02 -10.24	-1.17 0.02 -2.65	-5.04 0.06 -7.30	4.67 -0.01 -2.14	-5.16 0.05 -4.18	-2.73 0.04 -3.05	-3.40 0.06 -4.77	1.95 0.01 -3.43	1.54 0.01 -3.67	-3.40 0.03 -2.42	4.05 -0.01 -1.32	-3.62 0.02 -1.77
E_CANADA_CAP_HY 24051	67.54 -1.36 -88.12	74.65 -2.74 -114.50	54.13 -1.23 -71.76	40.31 0.25 -36.74	45.52 -0.10 -47.02	53.47 -0.99 -67.58	40.48 0.55 -32.92	35.17 0.30 -30.82	53.00 0.18 -50.61	53.38 -0.16 -55.93	45.35 -0.13 -47.37	33.83 -0.09 -35.55	42.05 -0.13 -45.13	50.70 -0.16 -54.70	120.38 -0.52 -133.30	52.81 0.16 -50.11	62.02 -0.42 -71.84	52.81 -0.32 -58.95	80.84 -0.52 -89.58	47.32 -0.09 -48.90	47.24 -0.13 -49.52	42.38 -0.36 -48.58	35.85 0.16 -32.94	36.04 -0.33 -41.78
E_CANADA_MHWK_HY 24050	-17.35 0.17 -1.70	-36.28 0.37 -0.46	-15.63 0.19 -0.57	3.27 -0.04 0.00	-1.39 0.01 0.00	-12.96 0.15 0.00	6.90 -0.12 0.00	4.02 -0.03 0.00	2.17 -0.04 0.00	-0.77 0.02 -1.61	0.02 0.03 -1.88	4.64 0.01 -6.25	3.61 0.03 -6.53	-2.38 0.08 -1.39	-11.01 0.27 -1.11	4.46 -0.08 -2.00	-7.72 0.21 -1.47	-4.35 0.08 -1.39	-6.91 0.07 -1.25	-0.89 0.02 -0.58	-2.10 0.04 0.00	-4.94 0.11 -0.80	4.33 -0.06 -1.65	-4.07 0.12 -1.22
E_FISHKILL____LBMP 23776	36.03 -0.54 -55.80	34.37 -1.02 -72.50	28.57 -0.47 -45.44	26.67 0.10 -23.26	28.33 -0.04 -29.77	29.30 -0.37 -42.79	29.52 0.21 -22.30	29.32 0.13 -25.13	38.22 0.08 -35.93	32.98 -0.03 -35.41	32.51 -0.08 -34.48	26.45 -0.08 -28.15	27.08 -0.15 -30.17	32.55 -0.19 -36.57	76.22 -0.57 -89.19	36.19 0.12 -33.53	38.21 -0.46 -48.07	33.34 -0.28 -39.44	51.35 -0.36 -59.94	31.17 -0.06 -32.72	30.91 -0.08 -33.13	26.42 -0.23 -32.50	24.89 0.11 -22.04	22.34 -0.20 -27.95
FALCON____SEABRD_CC1 323796	-78.67 2.30 61.74	-53.18 4.62 20.69	-40.31 2.03 25.95	-50.42 -0.43 53.30	-42.92 0.15 41.67	-24.38 1.42 12.68	-201.70 -0.84 207.87	-271.53 -0.58 275.01	-124.97 -0.33 126.84	-34.94 0.31 32.86	-42.59 0.29 40.99	-300.55 0.24 299.16	-319.87 0.47 317.40	-18.43 0.59 15.19	-20.26 1.88 9.74	-20.27 -0.39 22.43	-37.45 1.29 29.34	-23.87 0.87 18.92	-20.73 1.19 13.70	-26.43 0.20 25.15	-19.66 0.28 17.80	-11.12 0.83 6.10	-17.36 -0.38 19.72	-13.48 0.71 8.78
FALCON____SEABRD_CC2 323797	-78.67 2.30 61.74	-53.18 4.62 20.69	-40.31 2.03 25.95	-50.42 -0.43 53.30	-42.92 0.15 41.67	-24.38 1.42 12.68	-201.70 -0.84 207.87	-271.53 -0.58 275.01	-124.97 -0.33 126.84	-34.94 0.31 32.86	-42.59 0.29 40.99	-300.55 0.24 299.16	-319.87 0.47 317.40	-18.43 0.59 15.19	-20.26 1.88 9.74	-20.27 -0.39 22.43	-37.45 1.29 29.34	-23.87 0.87 18.92	-20.73 1.19 13.70	-26.43 0.20 25.15	-19.66 0.28 17.80	-11.12 0.83 6.10	-17.36 -0.38 19.72	-13.48 0.71 8.78
FAR ROCKAWAY____4 23548	33.25 -1.19 -53.66	30.19 -2.42 -69.72	26.18 -1.12 -43.70	25.92 0.23 -22.37	27.14 -0.09 -28.63	27.16 -0.87 -41.15	29.74 0.47 -22.25	31.64 0.26 -27.32	46.76 0.18 -44.37	31.56 -0.10 -34.06	38.90 -0.14 -40.94	38.30 -0.15 -40.07	32.04 -0.27 -35.26	31.52 -0.36 -35.72	73.97 -0.97 -87.33	35.62 0.22 -32.85	36.88 -0.82 -47.10	32.33 -0.50 -38.65	49.86 -0.65 -58.73	30.46 -0.11 -32.06	30.17 -0.15 -32.46	25.56 -0.44 -31.85	24.55 0.21 -21.60	21.64 -0.34 -27.39
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	33.60 -0.81 -53.63	31.04 -1.54 -69.69	26.57 -0.70 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.46 -0.55 -41.13	29.59 0.32 -22.25	31.60 0.19 -27.35	46.82 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.16 -32.84	37.07 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	33.58 -0.83 -53.63	31.00 -1.58 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.56 -41.13	29.59 0.32 -22.25	31.60 0.20 -27.35	46.82 0.13 -44.48	31.60 -0.05 -34.04	38.29 -0.11 -40.28	35.36 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.28 -35.51	74.12 -0.78 -87.31	35.55 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.37 -38.64	50.02 -0.47 -58.72	30.48 -0.08 -32.05	30.21 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	33.62 -0.79 -53.63	31.06 -1.52 -69.69	26.58 -0.69 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.47 -0.55 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.82 0.12 -44.48	31.60 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.14 -0.77 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.21 -0.11 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38

FARRAGUT___LBMP 323566	33.63 -0.78 -53.63	31.08 -1.49 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.53 -41.13	29.57 0.30 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.60 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.16 -0.75 -87.31	35.55 0.16 -32.84	37.09 -0.59 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.27 -27.38
FENNER___WINDPWR 24204	-8.59 -0.33 -10.96	-28.07 -0.58 -9.62	-9.68 -0.24 -6.96	8.86 0.04 -5.50	4.18 -0.02 -5.60	-7.83 -0.20 -5.48	20.74 0.11 -13.61	21.14 0.06 -17.03	12.60 0.03 -10.36	4.57 -0.07 -7.03	5.58 -0.02 -7.49	22.54 -0.01 -24.17	23.20 -0.02 -26.17	2.52 -0.03 -6.38	-0.19 -0.09 -12.29	9.46 0.02 -6.89	-0.87 -0.09 -8.62	1.06 -0.06 -6.94	0.75 -0.07 -9.04	4.32 -0.01 -5.82	2.85 -0.02 -5.01	-0.98 -0.06 -4.93	7.83 0.02 -5.07	-0.60 -0.04 -4.85
FIBERTEK___ENERGY 23856	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.17 -4.04	5.56 0.03 -2.22	1.42 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.01 -3.13	-0.07 -0.02 -3.79	-3.22 -0.07 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
FITZPATRICK____ 23598	-15.78 0.31 -3.13	-32.43 0.62 -4.06	-13.57 0.29 -2.55	4.56 -0.06 -1.30	0.29 0.02 -1.67	-10.48 0.24 -2.40	8.04 -0.13 -1.15	5.01 -0.07 -1.04	3.89 -0.04 -1.73	-0.38 0.03 -1.99	0.03 0.04 -1.88	-0.14 0.04 -1.45	-1.04 0.07 -1.84	-1.52 0.09 -2.23	-6.68 0.27 -5.44	4.53 -0.06 -2.05	-6.26 0.21 -2.93	-3.28 0.13 -2.41	-4.38 0.18 -3.66	0.54 0.03 -2.00	-0.08 0.05 -2.02	-3.74 0.12 -1.98	4.03 -0.06 -1.34	-3.60 0.10 -1.71
FLOWRFLD_69_KV_BK1 356044	33.23 -1.21 -53.66	29.92 -2.69 -69.72	26.02 -1.28 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.05 -0.98 -41.15	29.83 0.56 -22.25	31.72 0.34 -27.32	46.81 0.23 -44.37	31.51 -0.15 -34.06	78.36 -0.19 -80.44	124.28 -0.18 -126.08	36.19 -0.31 -39.44	32.15 -0.40 -36.39	86.44 -1.06 -99.90	109.27 0.25 -106.48	233.88 -0.91 -244.19	348.26 -0.56 -354.64	293.82 -0.72 -302.76	69.95 -0.13 -71.57	30.14 -0.18 -32.46	25.47 -0.53 -31.85	24.62 0.28 -21.60	21.55 -0.43 -27.40
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	34.48 -0.82 -54.52	32.18 -1.56 -70.84	27.30 -0.69 -44.40	26.19 0.14 -22.73	27.63 -0.06 -29.09	28.14 -0.55 -41.81	28.04 0.32 -20.70	24.62 0.19 -20.37	34.22 0.12 -31.89	32.13 -0.07 -34.60	28.82 -0.10 -30.82	21.63 -0.10 -23.35	26.50 -0.19 -29.64	31.84 -0.25 -35.93	74.49 -0.80 -87.69	35.68 0.17 -32.96	37.23 -0.63 -47.26	32.57 -0.39 -38.78	50.19 -0.51 -58.93	30.59 -0.51 -32.17	30.32 -0.11 -32.57	25.78 -0.33 -31.96	24.57 0.15 -21.67	21.80 -0.28 -27.48
FORT ORANGE____ 23900	49.86 -0.22 -69.30	52.52 -0.42 -90.05	39.86 -0.18 -56.44	32.25 0.05 -28.89	35.56 -0.02 -36.98	39.87 -0.16 -53.15	33.26 0.09 -26.16	29.39 0.04 -25.30	43.25 0.03 -41.01	41.58 -0.02 -43.99	37.34 -0.04 -39.27	28.95 -0.02 -30.60	32.99 -0.05 -35.99	39.72 -0.06 -43.62	93.65 -0.21 -106.26	42.52 0.04 -39.94	47.69 -0.17 -57.26	41.07 -0.10 -46.99	63.02 -0.15 -71.41	37.46 -0.03 -38.98	37.28 -0.04 -39.47	32.77 -0.10 -38.73	29.05 0.05 -26.26	27.81 -0.08 -33.30
FORT_DRUM_COGEN 23780	-16.82 1.13 -1.28	-29.15 2.30 -5.65	-10.96 0.98 -4.45	28.70 -0.14 -25.53	19.35 0.08 -20.68	-4.14 0.60 -8.38	102.02 -0.21 -95.22	129.32 -0.16 -125.43	61.38 -0.06 -59.23	-13.63 0.12 11.35	-14.38 0.12 12.61	24.84 0.11 -26.35	27.41 0.23 -30.13	-18.76 0.27 15.20	-20.77 0.92 9.29	-20.63 -0.21 22.96	-18.12 0.74 9.45	-18.78 0.42 13.38	-19.51 0.53 11.81	1.86 0.08 -3.27	8.23 0.09 -10.28	-14.77 0.35 9.27	-16.25 -0.18 18.82	-20.65 0.35 15.59
FPL_FAR_ROCK_GT1 24212	33.25 -1.19 -53.66	30.19 -2.42 -69.72	26.18 -1.12 -43.70	25.92 0.23 -22.37	27.14 -0.09 -28.63	27.16 -0.87 -41.15	29.74 0.47 -22.25	31.64 0.26 -27.32	46.75 0.18 -44.37	31.56 -0.10 -34.06	38.91 -0.14 -40.94	38.30 -0.15 -40.07	32.04 -0.27 -35.26	31.52 -0.36 -35.72	73.97 -0.97 -87.33	35.62 0.22 -32.85	36.89 -0.82 -47.11	32.33 -0.50 -38.65	49.85 -0.65 -58.73	30.46 -0.11 -32.06	30.17 -0.15 -32.46	25.56 -0.44 -31.85	24.55 0.21 -21.60	21.64 -0.34 -27.39
FPL_FAR_ROCK_GT2 23815	33.25 -1.19 -53.66	30.19 -2.42 -69.72	26.18 -1.12 -43.70	25.92 0.23 -22.37	27.14 -0.09 -28.63	27.16 -0.87 -41.15	29.74 0.47 -22.25	31.64 0.26 -27.32	46.75 0.18 -44.37	31.56 -0.10 -34.06	38.91 -0.14 -40.94	38.30 -0.15 -40.07	32.04 -0.27 -35.26	31.52 -0.36 -35.72	73.97 -0.97 -87.33	35.62 0.22 -32.85	36.89 -0.82 -47.11	32.33 -0.50 -38.65	49.85 -0.65 -58.73	30.46 -0.11 -32.06	30.17 -0.15 -32.46	25.56 -0.44 -31.85	24.55 0.21 -21.60	21.64 -0.34 -27.39
FRANKLIN_FALL_HYD 24054	-86.23 2.59 69.59	-55.29 5.19 23.37	-43.35 2.31 29.26	-57.08 -0.44 59.96	-48.11 0.18 46.89	-25.80 1.62 14.30	-227.67 -0.92 233.77	-305.81 -0.60 309.26	-140.78 -0.33 142.66	-39.16 0.33 37.09	-47.86 0.29 46.25	-338.23 0.24 336.84	-359.85 0.46 357.37	-20.46 0.60 17.22	-21.57 1.96 11.13	-23.23 -0.38 25.39	-41.14 1.40 33.14	-26.32 0.91 21.41	-22.53 1.24 15.55	-29.63 0.22 28.35	-21.90 0.30 20.05	-11.95 0.85 6.95	-19.98 -0.42 22.30	-14.62 0.77 9.98
FREEPORT_EQUS_GT1 23764	33.40 -1.03 -53.66	30.45 -2.17 -69.72	26.30 -1.00 -43.70	25.90 0.21 -22.37	27.15 -0.08 -28.63	27.26 -0.78 -41.15	29.70 0.43 -22.25	31.62 0.24 -27.32	46.74 0.16 -44.37	31.57 -0.10 -34.06	38.91 -0.14 -40.94	38.30 -0.14 -40.07	32.05 -0.26 -35.26	31.54 -0.34 -35.72	74.04 -0.89 -87.33	35.60 0.20 -32.85	36.98 -0.73 -47.11	32.36 -0.47 -38.65	49.90 -0.61 -58.73	30.47 -0.10 -32.06	30.18 -0.15 -32.46	25.57 -0.43 -31.85	24.55 0.21 -21.60	21.64 -0.34 -27.39
FREEPORT___CT2 23818	33.40 -1.03 -53.66	30.45 -2.17 -69.72	26.30 -1.00 -43.70	25.90 0.21 -22.37	27.15 -0.08 -28.63	27.26 -0.78 -41.15	29.70 0.43 -22.25	31.62 0.24 -27.32	46.74 0.16 -44.37	31.57 -0.10 -34.06	38.91 -0.14 -40.94	38.30 -0.14 -40.07	32.05 -0.26 -35.26	31.54 -0.34 -35.72	74.04 -0.89 -87.33	35.60 0.20 -32.85	36.98 -0.73 -47.11	32.36 -0.47 -38.65	49.90 -0.61 -58.73	30.47 -0.10 -32.06	30.18 -0.15 -32.46	25.57 -0.43 -31.85	24.55 0.21 -21.60	21.64 -0.34 -27.39
FRESHKLS_33_KV_LOAD 356253	33.63 -0.78 -53.63	31.11 -1.47 -69.69	26.53 -0.75 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.56 -41.13	29.60 0.32 -22.25	30.65 0.20 -26.39	35.37 0.14 -33.02	31.66 0.02 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.11 -0.21 -29.27	31.41 -0.27 -35.51	74.16 -0.75 -87.31	35.54 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.02 -0.47 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.34 -31.85	24.48 0.15 -21.59	21.68 -0.29 -27.39
FULTON COGEN____ 23766	-14.23 0.01 -4.99	-31.03 0.05 -6.03	-12.33 0.04 -4.03	7.94 -0.01 -4.64	3.14 0.01 -4.53	-9.06 0.05 -4.01	19.63 -0.02 -12.63	20.07 -0.01 -16.03	11.33 -0.01 -9.13	-0.39 -0.01 -2.02	0.00 0.02 -1.88	6.63 0.01 -8.24	6.40 0.02 -9.32	-2.06 0.03 -1.76	-5.97 0.08 -6.35	3.46 -0.02 -0.93	-5.97 0.07 -3.36	-3.58 0.05 -2.20	-4.29 0.06 -3.88	1.73 0.01 -3.21	1.62 0.01 -3.76	-3.98 0.03 -1.83	3.08 -0.01 -0.36	-4.42 0.03 -0.96

FULTON___LFGE 323630	61.72 -1.73 -82.68	66.93 -3.39 -107.43	49.43 -1.50 -67.33	38.09 0.31 -34.47	42.59 -0.12 -44.11	49.08 -1.21 -63.40	38.65 0.67 -30.97	33.66 0.37 -29.23	50.30 0.25 -47.84	49.91 -0.17 -52.48	43.75 -0.13 -45.77	33.37 -0.20 -35.19	39.33 -0.16 -42.44	47.52 -0.08 -51.44	112.51 -0.43 -125.34	49.98 0.32 -47.12	57.93 -0.22 -67.55	49.08 -0.53 -55.43	75.10 -0.91 -84.23	44.35 -0.15 -45.98	44.22 -0.19 -46.56	39.31 -0.52 -45.68	33.95 0.24 -30.97	33.42 -0.45 -39.28
G.F.CEMENT___DRP 24184	51.92 -1.28 -72.43	54.71 -2.29 -94.11	41.58 -0.99 -58.98	33.72 0.21 -30.19	37.15 -0.09 -38.64	41.59 -0.83 -55.54	34.76 0.44 -27.31	30.61 0.23 -26.32	45.02 0.12 -42.69	43.43 -0.15 -45.97	38.77 -0.12 -40.79	30.00 -0.08 -31.71	34.32 -0.14 -37.41	41.31 -0.20 -45.34	97.37 -0.69 -110.45	44.21 0.15 -41.52	49.51 -0.61 -59.52	42.64 -0.39 -48.84	65.40 -0.60 -74.22	38.92 -0.11 -40.52	38.73 -0.15 -41.03	34.01 -0.40 -40.25	30.20 0.17 -27.30	28.87 -0.34 -34.62
GARDENVILLE___LBMP 24039	-11.36 -1.17 -9.04	-28.35 -2.24 -11.00	-10.42 -0.91 -6.89	7.02 0.18 -3.53	3.03 -0.08 -4.52	-7.30 -0.67 -6.49	10.39 0.25 -3.12	7.02 0.17 -2.80	6.95 0.06 -4.68	2.74 -0.24 -5.37	3.19 -0.01 -5.09	2.30 0.01 -3.92	2.04 0.01 -4.97	2.20 0.01 -6.03	2.19 -0.11 -14.71	8.13 0.06 -5.53	-1.56 -0.08 -7.93	0.69 0.01 -6.50	1.63 -0.03 -9.88	3.89 -0.02 -5.40	3.29 -0.03 -5.46	-0.61 -0.12 -5.36	6.48 0.11 -3.63	-1.03 -0.23 -4.61
GARDNVLA_35_KV_LD 355827	-11.39 -1.28 -9.11	-28.48 -2.43 -11.06	-10.46 -1.00 -6.93	7.06 0.19 -3.55	3.05 -0.09 -4.54	-7.31 -0.73 -6.53	10.44 0.28 -3.14	7.06 0.19 -2.82	6.99 0.07 -4.71	2.76 -0.25 -5.40	3.20 -0.02 -5.12	2.31 -0.01 -3.94	2.05 -0.01 -5.00	2.21 -0.01 -6.06	2.20 -0.19 -14.79	8.18 0.07 -5.56	-1.57 -0.15 -7.97	0.69 -0.03 -6.54	1.64 -0.08 -9.94	3.91 -0.02 -5.43	3.31 -0.04 -5.50	-0.62 -0.16 -5.39	6.52 0.12 -3.66	-1.03 -0.26 -4.64
GELCKHM___115KV_LOAD 80723	-13.56 -0.10 -5.76	-30.59 -0.17 -6.69	-12.00 -0.06 -4.45	7.44 0.00 -4.12	2.82 0.00 -4.22	-8.93 -0.02 -4.21	17.02 0.01 -9.99	16.52 0.02 -12.45	9.89 0.00 -7.68	0.52 -0.02 -2.94	0.97 0.00 -2.85	6.89 0.00 -8.51	6.65 0.01 -9.59	-1.02 0.01 -2.81	-4.59 0.01 -7.80	4.80 0.00 -2.26	-5.00 0.02 -4.38	-2.58 0.02 -3.23	-3.12 0.02 -5.08	2.07 0.00 -3.56	1.69 0.00 -3.83	-3.26 0.01 -2.59	4.12 0.00 -1.38	-3.51 0.00 -1.90
GENERAL___MILLS 23808	-11.36 -1.23 -9.09	-28.41 -2.35 -11.04	-10.44 -0.96 -6.92	7.05 0.19 -3.54	3.05 -0.09 -4.54	-7.30 -0.71 -6.52	10.42 0.27 -3.13	7.05 0.18 -2.81	6.98 0.07 -4.70	2.76 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 0.00 -4.99	2.21 0.00 -6.05	2.21 -0.16 -14.77	8.16 0.07 -5.55	-1.56 -0.12 -7.96	0.70 -0.01 -6.53	1.64 -0.06 -9.92	3.91 -0.02 -5.42	3.30 -0.04 -5.49	-0.61 -0.14 -5.38	6.51 0.12 -3.65	-1.03 -0.25 -4.63
GE_PLASTICS___DRP 24183	49.91 -0.22 -69.35	52.60 -0.42 -90.12	39.89 -0.18 -56.48	32.27 0.05 -28.91	35.59 -0.02 -37.01	39.91 -0.16 -53.19	33.27 0.09 -26.17	29.37 0.04 -25.28	43.26 0.03 -41.02	41.62 -0.01 -44.02	37.35 -0.03 -39.28	28.95 -0.03 -30.60	33.00 -0.05 -35.99	39.72 -0.07 -43.62	93.65 -0.23 -106.28	42.53 0.04 -39.95	47.70 -0.17 -57.28	41.07 -0.11 -46.99	63.04 -0.15 -71.42	37.47 -0.03 -38.99	37.30 -0.04 -39.48	32.78 -0.10 -38.73	29.05 0.05 -26.26	27.82 -0.08 -33.31
GILBOA___1 23756	33.73 -0.35 -53.30	31.47 -0.69 -69.26	26.70 -0.30 -43.40	25.60 0.07 -22.22	27.01 -0.03 -28.44	27.51 -0.25 -40.88	27.15 0.13 -20.00	23.13 0.07 -19.00	33.43 0.05 -31.18	31.41 -0.03 -33.83	27.74 -0.05 -29.68	20.78 -0.04 -22.45	25.47 -0.08 -28.49	30.60 -0.10 -34.54	71.44 -0.32 -84.16	34.24 0.07 -31.63	35.73 -0.23 -45.35	31.26 -0.14 -37.21	48.12 -0.20 -56.56	29.34 -0.04 -30.87	29.07 -0.05 -31.26	24.68 -0.14 -30.67	23.60 0.07 -20.80	20.84 -0.12 -26.38
GILBOA___2 23757	33.73 -0.35 -53.30	31.47 -0.69 -69.26	26.70 -0.30 -43.40	25.60 0.07 -22.22	27.01 -0.03 -28.44	27.51 -0.25 -40.88	27.15 0.13 -20.00	23.13 0.07 -19.00	33.43 0.05 -31.18	31.41 -0.03 -33.83	27.74 -0.05 -29.68	20.78 -0.04 -22.45	25.47 -0.08 -28.49	30.60 -0.10 -34.54	71.44 -0.32 -84.16	34.24 0.07 -31.63	35.73 -0.23 -45.35	31.26 -0.14 -37.21	48.12 -0.20 -56.56	29.34 -0.04 -30.87	29.07 -0.05 -31.26	24.68 -0.14 -30.67	23.60 0.07 -20.80	20.84 -0.12 -26.38
GILBOA___3 23758	33.73 -0.35 -53.30	31.47 -0.69 -69.26	26.70 -0.30 -43.40	25.60 0.07 -22.22	27.01 -0.03 -28.44	27.51 -0.25 -40.88	27.15 0.13 -20.00	23.13 0.07 -19.00	33.43 0.05 -31.18	31.41 -0.03 -33.83	27.74 -0.05 -29.68	20.78 -0.04 -22.45	25.47 -0.08 -28.49	30.60 -0.10 -34.54	71.44 -0.32 -84.16	34.24 0.07 -31.63	35.73 -0.23 -45.35	31.26 -0.14 -37.21	48.12 -0.20 -56.56	29.34 -0.04 -30.87	29.07 -0.05 -31.26	24.68 -0.14 -30.67	23.60 0.07 -20.80	20.84 -0.12 -26.38
GILBOA___4 23759	33.73 -0.35 -53.30	31.47 -0.69 -69.26	26.70 -0.30 -43.40	25.60 0.07 -22.22	27.01 -0.03 -28.44	27.51 -0.25 -40.88	27.15 0.13 -20.00	23.13 0.07 -19.00	33.43 0.05 -31.18	31.41 -0.03 -33.83	27.74 -0.05 -29.68	20.78 -0.04 -22.45	25.47 -0.08 -28.49	30.60 -0.10 -34.54	71.44 -0.32 -84.16	34.24 0.07 -31.63	35.73 -0.23 -45.35	31.26 -0.14 -37.21	48.12 -0.20 -56.56	29.34 -0.04 -30.87	29.07 -0.05 -31.26	24.68 -0.14 -30.67	23.60 0.07 -20.80	20.84 -0.12 -26.38
GILBOA___ 23599	33.73 -0.35 -53.30	31.47 -0.69 -69.26	26.70 -0.30 -43.40	25.60 0.07 -22.22	27.01 -0.03 -28.44	27.51 -0.25 -40.88	27.15 0.13 -20.00	23.13 0.07 -19.00	33.43 0.05 -31.18	31.41 -0.03 -33.83	27.74 -0.05 -29.68	20.78 -0.04 -22.45	25.47 -0.08 -28.49	30.60 -0.10 -34.54	71.44 -0.32 -84.16	34.24 0.07 -31.63	35.73 -0.23 -45.35	31.26 -0.14 -37.21	48.12 -0.20 -56.56	29.34 -0.04 -30.87	29.07 -0.05 -31.26	24.68 -0.14 -30.67	23.60 0.07 -20.80	20.84 -0.12 -26.38
GINNA___ 23603	-12.21 0.17 -6.84	-28.78 0.45 -7.88	-11.22 0.24 -4.94	5.80 -0.05 -2.53	1.86 0.02 -3.24	-8.24 0.22 -4.65	9.11 -0.15 -2.24	5.98 -0.08 -2.01	5.50 -0.06 -3.35	1.44 -0.02 -3.85	1.81 0.06 -3.65	1.25 0.06 -2.81	0.73 0.11 -3.57	0.63 0.15 -4.32	-1.44 0.41 -10.54	6.41 -0.10 -3.96	-3.43 0.28 -5.68	-0.94 0.21 -4.66	-0.86 0.28 -7.09	2.43 0.05 -3.87	1.84 0.06 -3.92	-1.84 0.16 -3.84	5.28 -0.06 -2.61	-1.99 0.11 -3.31
GLEN PARK___ 23778	-16.79 0.94 -1.50	-29.49 1.94 -5.68	-11.16 0.82 -4.43	27.50 -0.12 -24.30	18.39 0.07 -19.73	-4.51 0.48 -8.12	97.23 -0.15 -90.36	122.92 -0.12 -118.99	58.46 -0.04 -56.29	-12.87 0.09 10.56	-13.54 0.11 11.75	23.77 0.10 -25.30	26.18 0.21 -28.92	-17.79 0.25 14.20	-19.93 0.83 8.36	-19.20 -0.19 21.55	-17.41 0.69 8.70	-17.89 0.39 12.46	-18.66 0.46 10.89	1.84 0.07 -3.27	7.82 0.06 -9.90	-14.17 0.30 8.61	-15.09 -0.14 17.69	-19.72 0.30 14.62
GLENDALE_27_KV_LOAD 356172	33.47 -0.94 -53.63	30.78 -1.79 -69.69	26.46 -0.82 -43.67	25.84 0.16 -22.36	27.15 -0.07 -28.62	27.37 -0.64 -41.13	29.64 0.37 -22.25	31.64 0.23 -27.35	46.84 0.15 -44.48	31.60 -0.05 -34.04	38.27 -0.12 -40.28	35.34 -0.12 -37.09	26.09 -0.23 -29.27	31.37 -0.30 -35.51	74.05 -0.86 -87.31	35.57 0.18 -32.84	37.02 -0.68 -47.09	32.41 -0.41 -38.64	49.97 -0.52 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.63 -0.36 -31.84	24.50 0.17 -21.59	21.66 -0.31 -27.38

GLENWOOD_IC_1_G5 23712	33.53 -0.91 -53.66	30.77 -1.84 -69.72	26.45 -0.85 -43.70	25.86 0.17 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.64 0.37 -22.25	31.60 0.22 -27.32	46.72 0.15 -44.37	31.58 -0.08 -34.06	38.92 -0.13 -40.94	38.32 -0.13 -40.07	32.08 -0.24 -35.26	31.59 -0.29 -35.72	74.16 -0.77 -87.33	35.57 0.17 -32.85	37.05 -0.65 -47.10	32.44 -0.39 -38.65	50.01 -0.50 -58.73	30.49 -0.08 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.49 0.15 -21.60	21.68 -0.30 -27.39
GLENWOOD_IC_2_G1 23688	33.62 -0.82 -53.66	30.97 -1.64 -69.72	26.54 -0.76 -43.70	25.84 0.16 -22.37	27.17 -0.06 -28.63	27.45 -0.59 -41.15	29.60 0.33 -22.25	31.57 0.20 -27.32	46.71 0.13 -44.37	31.60 -0.07 -34.06	38.93 -0.11 -40.94	38.33 -0.11 -40.07	32.10 -0.21 -35.26	31.60 -0.28 -35.72	74.17 -0.76 -87.33	35.57 0.17 -32.85	37.08 -0.63 -47.11	32.45 -0.38 -38.65	50.02 -0.49 -58.73	30.49 -0.08 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.49 0.16 -21.60	21.71 -0.27 -27.39
GLENWOOD_IC_3_G1 23689	33.62 -0.82 -53.66	30.97 -1.64 -69.72	26.54 -0.76 -43.70	25.84 0.16 -22.37	27.17 -0.06 -28.63	27.45 -0.59 -41.15	29.60 0.33 -22.25	31.57 0.20 -27.32	46.71 0.13 -44.37	31.60 -0.07 -34.06	38.93 -0.11 -40.94	38.33 -0.11 -40.07	32.10 -0.21 -35.26	31.60 -0.28 -35.72	74.17 -0.76 -87.33	35.57 0.17 -32.85	37.08 -0.63 -47.11	32.45 -0.38 -38.65	50.02 -0.49 -58.73	30.49 -0.08 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.49 0.16 -21.60	21.71 -0.27 -27.39
GLENWOOD___4 23550	33.53 -0.91 -53.66	30.77 -1.84 -69.72	26.45 -0.85 -43.70	25.86 0.17 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.64 0.37 -22.25	31.60 0.22 -27.32	46.72 0.15 -44.37	31.58 -0.08 -34.06	38.92 -0.13 -40.94	38.32 -0.13 -40.07	32.08 -0.24 -35.26	31.58 -0.30 -35.72	74.13 -0.80 -87.33	35.58 0.18 -32.85	37.03 -0.67 -47.10	32.42 -0.41 -38.65	49.99 -0.52 -58.73	30.48 -0.09 -32.06	30.20 -0.12 -32.46	25.66 -0.35 -31.85	24.50 0.16 -21.60	21.68 -0.30 -27.39
GLENWOOD___5 23614	33.53 -0.91 -53.66	30.77 -1.84 -69.72	26.45 -0.85 -43.70	25.86 0.17 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.64 0.37 -22.25	31.60 0.22 -27.32	46.72 0.15 -44.37	31.58 -0.08 -34.06	38.92 -0.13 -40.94	38.32 -0.13 -40.07	32.08 -0.24 -35.26	31.58 -0.30 -35.72	74.13 -0.80 -87.33	35.58 0.18 -32.85	37.03 -0.67 -47.10	32.42 -0.41 -38.65	49.99 -0.52 -58.73	30.48 -0.09 -32.06	30.20 -0.12 -32.46	25.66 -0.35 -31.85	24.50 0.16 -21.60	21.68 -0.30 -27.39
GLOBAL GREEN_PORT_GT1 23814	32.20 -2.24 -53.66	27.96 -4.65 -69.72	25.19 -2.11 -43.70	26.12 0.44 -22.37	27.05 -0.18 -28.63	26.38 -1.65 -41.15	30.19 0.91 -22.25	31.95 0.57 -27.32	46.94 0.36 -44.37	31.35 -0.31 -34.06	75.38 -0.31 -77.58	117.63 -0.28 -119.54	34.80 -0.50 -38.25	31.83 -0.67 -36.34	82.00 -1.90 -96.30	97.01 0.42 -94.04	205.00 -1.59 -215.99	311.77 -0.85 -318.45	273.18 -1.14 -282.54	66.99 -0.23 -68.72	29.99 -0.33 -32.46	25.07 -0.93 -31.85	24.81 0.47 -21.60	21.21 -0.78 -27.40
GLOBE___DSASP 323697	-11.80 -0.97 -8.39	-28.68 -1.73 -10.17	-10.74 -0.72 -6.37	6.71 0.13 -3.26	2.71 -0.07 -4.17	-7.61 -0.49 -6.00	10.02 0.12 -2.88	6.73 0.09 -2.59	6.55 0.02 -4.33	2.36 -0.21 -4.97	2.85 0.03 -4.70	2.05 0.05 -3.62	1.76 0.11 -4.60	1.87 0.14 -5.57	1.44 0.25 -13.59	7.66 0.01 -5.11	-1.96 0.12 -7.33	0.35 0.16 -6.01	1.03 0.12 -9.14	3.51 0.01 -4.99	2.94 0.03 -5.05	-0.89 0.01 -4.95	6.15 0.06 -3.35	-1.29 -0.14 -4.26
GOETHSLN___LBMP 323567	33.74 -0.67 -53.63	31.30 -1.28 -69.69	26.69 -0.58 -43.67	25.79 0.12 -22.36	27.17 -0.05 -28.62	27.55 -0.46 -41.13	29.53 0.26 -22.25	30.61 0.16 -26.39	35.34 0.11 -33.02	31.62 -0.02 -34.04	38.30 -0.09 -40.28	35.37 -0.10 -37.09	26.14 -0.20 -29.27	31.42 -0.25 -35.51	74.22 -0.69 -87.31	35.53 0.14 -32.84	37.15 -0.54 -47.09	32.49 -0.32 -38.64	50.09 -0.40 -58.72	30.49 -0.07 -32.05	30.22 -0.09 -32.46	25.72 -0.27 -31.84	24.46 0.13 -21.59	21.73 -0.24 -27.38
GOLAH___69_KV_TB 1_2 80279	-13.14 -1.20 -7.28	-31.06 -2.23 -8.28	-12.18 -0.96 -5.18	6.16 0.18 -2.66	1.92 -0.08 -3.40	-8.95 -0.71 -4.88	9.69 0.32 -2.35	6.35 0.19 -2.11	5.81 0.08 -3.52	1.44 -0.21 -4.04	1.89 -0.04 -3.83	1.31 -0.02 -2.95	0.77 -0.03 -3.74	0.65 -0.05 -4.54	-1.53 -0.21 -11.07	6.75 0.04 -4.16	-3.61 -0.18 -5.97	-1.00 -0.07 -4.90	-0.93 -0.14 -7.44	2.54 -0.03 -4.06	1.91 -0.06 -4.11	-1.99 -0.17 -4.03	5.59 0.11 -2.74	-2.18 -0.24 -3.47
GOODYEAR_LAKE_HYD 323669	-10.79 -0.76 -9.19	-26.31 -1.52 -12.32	-9.36 -0.68 -7.72	7.41 0.14 -3.95	3.60 -0.05 -5.06	-6.38 -0.53 -7.27	10.82 0.31 -3.50	7.38 0.18 -3.14	7.55 0.10 -5.24	3.52 -0.10 -6.02	4.94 -0.08 -6.92	3.82 -0.07 -5.51	3.92 -0.12 -6.99	4.49 -0.15 -8.48	7.81 -0.46 -20.67	10.43 0.11 -7.77	1.37 -0.37 -11.14	3.08 -0.24 -9.14	5.32 -0.34 -13.89	6.03 -0.06 -7.58	5.45 -0.08 -7.68	1.45 -0.24 -7.53	7.96 0.11 -5.11	0.86 -0.21 -6.48
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	-4.50 -0.41 -15.13	-17.27 -0.85 -20.69	-3.78 -0.35 -12.96	10.02 0.07 -6.64	7.07 -0.03 -8.49	-1.15 -0.24 -12.21	13.02 0.14 -5.87	9.43 0.11 -5.27	11.06 0.05 -8.80	7.63 -0.08 -10.11	7.67 -0.02 -9.58	5.73 -0.02 -7.38	6.37 -0.05 -9.36	7.45 -0.06 -11.35	15.06 -0.24 -27.69	13.03 0.07 -10.41	5.40 -0.12 -14.92	6.35 -0.08 -12.25	10.28 -0.10 -18.61	8.66 -0.01 -10.16	8.12 -0.02 -10.29	4.14 -0.10 -10.10	9.64 0.06 -6.84	3.17 -0.10 -8.68
GOUDEY___7 23579	-4.52 -0.43 -15.13	-17.30 -0.88 -20.69	-3.80 -0.36 -12.96	10.03 0.07 -6.64	7.07 -0.03 -8.49	-1.16 -0.25 -12.21	13.03 0.14 -5.87	9.44 0.11 -5.27	11.06 0.05 -8.80	7.63 -0.08 -10.11	7.67 -0.02 -9.58	5.73 -0.02 -7.38	6.37 -0.05 -9.36	7.44 -0.07 -11.35	15.05 -0.25 -27.69	13.03 0.07 -10.41	5.40 -0.13 -14.92	6.34 -0.09 -12.25	10.27 -0.11 -18.61	8.65 -0.02 -10.16	8.12 -0.03 -10.29	4.14 -0.11 -10.10	9.64 0.06 -6.84	3.16 -0.10 -8.68
GOUDEY___8 23580	-4.50 -0.41 -15.13	-17.27 -0.85 -20.69	-3.78 -0.35 -12.96	10.02 0.07 -6.64	7.07 -0.03 -8.49	-1.15 -0.24 -12.21	13.02 0.14 -5.87	9.43 0.11 -5.27	11.06 0.05 -8.80	7.63 -0.08 -10.11	7.67 -0.02 -9.58	5.73 -0.02 -7.38	6.37 -0.05 -9.36	7.45 -0.06 -11.35	15.06 -0.24 -27.69	13.03 0.07 -10.41	5.40 -0.12 -14.92	6.35 -0.08 -12.25	10.28 -0.10 -18.61	8.66 -0.01 -10.16	8.12 -0.02 -10.29	4.14 -0.10 -10.10	9.64 0.06 -6.84	3.17 -0.10 -8.68
GOWANUS_GT1_1 24077	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT1_2 24078	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39

GOWANUS_GT1_3 24079	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT1_4 24080	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT1_5 24084	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT1_6 24111	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT1_7 24112	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT1_8 24113	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_1 24114	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_2 24115	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_3 24116	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_4 24117	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_5 24118	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_6 24119	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_7 24120	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT2_8 24121	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_1 24122	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39

GOWANUS_GT3_2 24123	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_3 24124	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_4 24125	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_5 24126	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_6 24127	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_7 24128	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT3_8 24129	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_1 24130	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_2 24131	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_3 24132	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_4 24133	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_5 24134	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_6 24135	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_7 24136	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GOWANUS_GT4_8 24137	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39

GREENBSH_115KV_TB3 55895	50.38 -0.10 -69.71	53.27 -0.19 -90.58	40.28 -0.08 -56.77	32.40 0.02 -29.06	35.79 -0.01 -37.20	40.26 -0.08 -53.46	33.39 0.04 -26.33	29.57 0.01 -25.50	43.51 0.01 -41.29	41.85 0.00 -44.24	37.59 -0.03 -39.51	29.17 -0.02 -30.81	33.18 -0.04 -36.16	39.95 -0.05 -43.83	94.21 -0.16 -106.77	42.70 0.02 -40.13	48.02 -0.12 -57.54	41.32 -0.07 -47.22	63.42 -0.11 -71.75	37.66 -0.02 -39.17	37.49 -0.02 -39.66	33.00 -0.07 -38.91	29.15 0.03 -26.38	28.01 -0.05 -33.46
GREENDGE_115KV_TB5 80291	-7.30 -0.64 -12.57	-25.46 -1.25 -12.89	-8.83 -0.51 -8.08	7.55 0.10 -4.13	3.85 -0.04 -5.29	-5.87 -0.36 -7.61	10.87 0.20 -3.66	7.48 0.14 -3.28	7.75 0.06 -5.48	3.78 -0.13 -6.30	4.06 -0.01 -5.97	2.96 -0.01 -4.59	2.85 -0.03 -5.83	3.18 -0.05 -7.07	4.62 -0.22 -17.24	9.08 0.05 -6.48	-0.19 -0.09 -9.29	1.76 -0.05 -7.62	3.28 -0.08 -11.59	4.82 -0.01 -6.32	4.24 -0.02 -6.40	0.33 -0.10 -6.28	7.06 0.06 -4.26	-0.12 -0.12 -5.40
GREENIDGE___3 23582	-7.30 -0.64 -12.57	-25.46 -1.25 -12.89	-8.83 -0.51 -8.08	7.55 0.10 -4.13	3.85 -0.04 -5.29	-5.87 -0.36 -7.61	10.87 0.20 -3.66	7.48 0.14 -3.28	7.75 0.06 -5.48	3.78 -0.13 -6.30	4.06 -0.01 -5.97	2.96 -0.01 -4.59	2.85 -0.03 -5.83	3.18 -0.05 -7.07	4.62 -0.22 -17.24	9.08 0.05 -6.48	-0.19 -0.09 -9.29	1.76 -0.05 -7.62	3.28 -0.08 -11.59	4.82 -0.01 -6.32	4.24 -0.02 -6.40	0.33 -0.10 -6.28	7.06 0.06 -4.26	-0.12 -0.12 -5.40
GREENIDGE___4 23583	-7.30 -0.64 -12.57	-25.47 -1.25 -12.89	-8.83 -0.51 -8.08	7.55 0.09 -4.13	3.85 -0.04 -5.29	-5.87 -0.36 -7.61	10.87 0.20 -3.66	7.48 0.14 -3.28	7.75 0.06 -5.48	3.77 -0.13 -6.30	4.06 -0.01 -5.97	2.96 -0.01 -4.59	2.85 -0.03 -5.83	3.18 -0.05 -7.07	4.62 -0.22 -17.24	9.08 0.05 -6.48	-0.19 -0.09 -9.29	1.76 -0.05 -7.62	3.28 -0.08 -11.59	4.82 -0.01 -6.32	4.24 -0.02 -6.40	0.33 -0.10 -6.28	7.06 0.06 -4.26	-0.12 -0.12 -5.40
GREENLWN_69_KV_BK 3 55738	33.75 -0.69 -53.66	30.93 -1.68 -69.72	26.48 -0.82 -43.70	25.87 0.18 -22.37	27.17 -0.06 -28.63	27.39 -0.64 -41.15	29.63 0.36 -22.25	31.59 0.22 -27.32	46.74 0.16 -44.37	31.60 -0.07 -34.06	37.88 -0.12 -39.89	35.84 -0.14 -37.60	31.42 -0.24 -34.60	31.55 -0.30 -35.69	72.23 -0.72 -85.35	29.28 0.18 -26.56	23.30 -0.68 -33.37	15.91 -0.41 -22.14	41.98 -0.50 -50.71	29.44 -0.09 -31.02	30.19 -0.13 -32.46	25.63 -0.37 -31.85	24.52 0.18 -21.60	21.72 -0.26 -27.39
GREENWD_138_KV_38B11_REV_LBMP_J 345004	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
GRISSOM___SOLAR 323813	61.72 -1.73 -82.68	66.93 -3.39 -107.43	49.43 -1.50 -67.33	38.09 0.31 -34.47	42.59 -0.12 -44.11	49.08 -1.21 -63.40	38.65 0.67 -30.97	33.66 0.37 -29.23	50.30 0.25 -47.84	49.91 -0.17 -52.48	43.75 -0.13 -45.77	33.37 -0.20 -35.19	39.33 -0.16 -42.44	47.52 -0.08 -51.44	112.51 -0.43 -125.34	49.98 0.32 -47.12	57.93 -0.22 -67.55	49.08 -0.53 -55.43	75.10 -0.91 -84.23	44.35 -0.15 -45.98	44.22 -0.19 -46.56	39.31 -0.52 -45.68	33.95 0.24 -30.97	33.42 -0.45 -39.28
GROVEVILLE___HYD 323602	34.48 -0.82 -54.52	32.18 -1.56 -70.84	27.30 -0.69 -44.40	26.19 0.14 -22.73	27.63 -0.06 -29.09	28.14 -0.55 -41.81	28.04 0.32 -20.70	24.62 0.19 -20.37	34.22 0.12 -31.89	32.13 -0.07 -34.60	28.82 -0.10 -30.82	21.63 -0.10 -23.35	26.50 -0.19 -29.64	31.84 -0.25 -35.93	74.49 -0.80 -87.69	35.68 0.17 -32.96	37.23 -0.63 -47.26	32.57 -0.39 -38.78	50.19 -0.51 -58.93	30.59 -0.09 -32.17	30.32 -0.11 -32.57	25.78 -0.33 -31.96	24.57 0.15 -21.67	21.80 -0.28 -27.48
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.17 -4.04	5.56 0.03 -2.22	1.42 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.01 -3.13	-0.07 -0.02 -3.79	-3.22 -0.07 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
HAMLTNNY_34_KV_TB 80303	-13.95 -0.37 -5.65	-30.48 -0.71 -7.34	-12.10 -0.30 -4.60	5.72 0.05 -2.35	1.59 -0.02 -3.01	-8.97 -0.18 -4.33	9.21 0.11 -2.08	6.00 0.07 -1.87	5.36 0.03 -3.12	1.13 -0.06 -3.58	1.49 -0.02 -3.40	0.98 -0.01 -2.61	0.35 -0.03 -3.32	0.15 -0.04 -4.02	-2.74 -0.16 -9.82	6.27 0.03 -3.69	-4.21 -0.10 -5.29	-1.53 -0.05 -4.34	-1.70 -0.08 -6.60	2.10 -0.01 -3.60	1.48 -0.02 -3.65	-2.34 -0.07 -3.58	5.20 0.04 -2.43	-2.40 -0.07 -3.08
HAMPSHIRE___PAPER_HYD 323593	-138.28 2.43 121.49	-73.27 4.92 41.08	-65.43 2.13 51.16	-101.04 -0.42 103.94	-82.59 0.17 81.36	-36.67 1.46 25.01	-398.63 -0.79 404.85	-532.00 -0.51 535.55	-245.23 -0.25 247.18	-67.15 0.31 65.06	-82.66 0.26 81.02	-587.21 0.22 585.80	-624.04 0.39 621.49	-33.94 0.49 30.59	-31.07 1.63 20.31	-42.75 -0.33 44.97	-66.41 1.27 58.28	-42.95 0.75 37.88	-34.99 1.06 27.82	-50.84 0.19 49.53	-36.84 0.24 34.94	-17.68 0.74 12.57	-37.05 -0.38 39.41	-22.65 0.71 17.94
HARDSCRABBLE_WT_PWR 323673	-17.36 0.16 -1.70	-36.37 0.27 -0.46	-15.67 0.16 -0.57	3.28 -0.03 0.00	-1.40 0.00 0.00	-13.00 0.11 0.00	6.90 -0.11 0.00	4.04 -0.02 0.00	2.18 -0.03 0.00	-0.78 0.01 -1.61	0.02 0.03 -1.88	4.64 0.01 -6.25	3.62 0.04 -6.53	-2.35 0.10 -1.39	-10.94 0.34 -1.11	4.44 -0.10 -2.00	-7.70 0.23 -1.47	-4.33 0.10 -1.39	-6.90 0.08 -1.25	-0.89 0.02 -0.58	-2.10 0.05 0.00	-4.91 0.13 -0.80	4.32 -0.07 -1.65	-4.06 0.14 -1.22
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	29.71 -0.66 -49.59	26.07 -1.26 -64.44	23.41 -0.57 -40.39	24.10 0.11 -20.68	25.01 -0.05 -26.46	24.47 -0.45 -38.03	23.62 0.26 -16.35	13.11 0.15 -8.91	17.71 0.09 -15.41	29.03 -0.05 -31.48	17.63 -0.08 -19.60	7.24 -0.09 -8.95	24.47 -0.18 -27.60	29.40 -0.23 -33.47	69.03 -0.68 -82.10	33.57 0.15 -30.88	34.32 -0.55 -44.27	30.17 -0.33 -36.33	46.55 -0.43 -55.20	28.57 -0.08 -30.13	28.28 -0.09 -30.51	23.82 -0.27 -29.94	23.16 0.12 -20.30	20.11 -0.22 -25.74
HARSNRAD_115KV_TB1 81005	-12.12 -1.23 -8.34	-29.36 -2.26 -10.01	-11.07 -0.94 -6.27	6.70 0.17 -3.21	2.62 -0.08 -4.11	-7.89 -0.68 -5.91	10.07 0.21 -2.84	6.75 0.15 -2.55	6.52 0.05 -4.26	2.25 -0.25 -4.89	2.75 0.01 -4.63	1.96 0.03 -3.56	1.62 0.04 -4.53	1.70 0.05 -5.48	1.00 0.01 -13.38	7.62 0.05 -5.03	-2.22 -0.03 -7.21	0.15 0.05 -5.92	0.79 0.02 -8.99	3.41 -0.01 -4.91	2.82 -0.01 -4.97	-1.06 -0.08 -4.88	6.15 0.10 -3.31	-1.42 -0.21 -4.19
HARZA MOOSE___RIVER 24016	-3.58 0.62 -15.03	-28.13 1.32 -7.66	-8.08 0.59 -7.73	20.14 -0.09 -16.91	12.35 0.05 -13.71	-7.22 0.31 -5.59	69.91 -0.12 -63.01	86.96 -0.09 -83.00	41.39 -0.03 -39.22	3.53 0.07 -5.86	5.44 0.07 -7.27	123.46 0.05 -125.03	167.41 0.08 -170.28	18.22 0.11 -21.95	7.67 0.41 -19.66	26.93 -0.11 -24.50	3.47 0.31 -12.56	-2.93 0.16 -2.73	-5.36 0.27 -2.60	5.59 0.05 -7.04	4.75 0.05 -6.85	-5.08 0.20 -0.57	3.92 -0.10 -1.28	-5.44 0.20 0.23

HDSNBRDG_115KV_BRDG_TB1 355580	-12.59 -0.13 -6.77	-30.35 -0.24 -6.99	-11.68 -0.09 -4.81	7.45 0.01 -4.12	2.83 -0.01 -4.23	-8.93 -0.04 -4.23	17.00 0.02 -9.96	16.49 0.02 -12.41	9.89 0.01 -7.67	1.46 -0.03 -3.89	2.08 0.00 -3.97	10.51 0.00 -12.14	10.44 0.00 -13.38	-0.19 0.00 -3.64	-3.91 -0.02 -8.51	6.00 0.01 -3.45	-4.13 0.00 -5.27	-1.75 0.01 -4.07	-2.38 0.01 -5.85	2.43 0.00 -3.92	1.70 0.00 -3.85	-2.78 -0.01 -3.08	5.11 0.01 -2.36	-2.80 -0.01 -2.63
HELLGATE_13_KV_LD 55870	33.58 -0.83 -53.63	30.99 -1.58 -69.69	26.55 -0.73 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.43 -0.58 -41.13	29.60 0.33 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.61 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.55 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.28 -27.38
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	33.58 -0.83 -53.63	30.99 -1.58 -69.69	26.55 -0.73 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.43 -0.58 -41.13	29.60 0.33 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.61 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.55 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.28 -27.38
HEMPSTEAD____ 23647	33.57 -0.87 -53.66	30.79 -1.83 -69.72	26.45 -0.85 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.64 0.37 -22.25	31.59 0.22 -27.32	46.73 0.15 -44.37	31.59 -0.08 -34.06	38.92 -0.12 -40.94	38.32 -0.13 -40.07	32.08 -0.23 -35.26	31.58 -0.30 -35.72	74.15 -0.78 -87.33	35.58 0.18 -32.85	37.04 -0.67 -47.11	32.42 -0.41 -38.65	49.99 -0.52 -58.73	30.48 -0.09 -32.06	30.20 -0.13 -32.46	25.64 -0.36 -31.85	24.52 0.18 -21.60	21.69 -0.29 -27.39
HEWLETT_69_KV_BK3 55828	33.36 -1.08 -53.66	30.38 -2.23 -69.72	26.27 -1.03 -43.70	25.90 0.21 -22.37	27.15 -0.09 -28.63	27.24 -0.80 -41.15	29.70 0.43 -22.25	31.62 0.24 -27.32	46.75 0.17 -44.37	31.57 -0.09 -34.06	38.91 -0.14 -40.94	38.31 -0.14 -40.07	32.05 -0.26 -35.26	31.54 -0.34 -35.72	74.03 -0.90 -87.33	35.61 0.21 -32.85	36.93 -0.77 -47.10	32.36 -0.47 -38.65	49.90 -0.61 -58.73	30.47 -0.10 -32.06	30.18 -0.14 -32.46	25.59 -0.42 -31.85	24.54 0.20 -21.60	21.66 -0.32 -27.39
HICKLING___1 23621	-9.34 -0.65 -10.54	-22.14 -1.40 -16.37	-6.70 -0.56 -10.26	8.68 0.11 -5.25	5.28 -0.04 -6.72	-3.83 -0.38 -9.66	11.88 0.22 -4.64	8.39 0.17 -4.17	9.25 0.07 -6.96	5.46 -0.13 -8.00	5.68 0.00 -7.57	4.20 -0.01 -5.83	4.42 -0.04 -7.40	5.07 -0.06 -8.97	9.19 -0.29 -21.88	10.88 0.10 -8.22	2.31 -0.09 -11.79	3.81 -0.05 -9.68	6.41 -0.07 -14.70	6.53 -0.01 -8.03	5.97 -0.02 -8.13	2.01 -0.11 -7.98	8.23 0.08 -5.41	1.31 -0.13 -6.86
HICKLING___2 23622	-9.34 -0.65 -10.54	-22.14 -1.40 -16.37	-6.70 -0.56 -10.26	8.68 0.11 -5.25	5.28 -0.04 -6.72	-3.83 -0.38 -9.66	11.88 0.22 -4.64	8.39 0.17 -4.17	9.25 0.07 -6.96	5.46 -0.13 -8.00	5.68 0.00 -7.57	4.20 -0.01 -5.83	4.42 -0.04 -7.40	5.07 -0.06 -8.97	9.19 -0.29 -21.88	10.88 0.10 -8.22	2.31 -0.09 -11.79	3.81 -0.05 -9.68	6.41 -0.07 -14.70	6.53 -0.01 -8.03	5.97 -0.02 -8.13	2.01 -0.11 -7.98	8.23 0.08 -5.41	1.31 -0.13 -6.86
HIGH FALLS___HY 23754	33.69 -0.72 -53.63	31.22 -1.35 -69.68	26.66 -0.61 -43.67	25.80 0.12 -22.36	27.17 -0.05 -28.62	27.55 -0.46 -41.13	27.07 0.28 -19.77	21.98 0.18 -17.75	31.96 0.11 -29.65	31.59 -0.05 -34.04	28.46 -0.09 -30.44	21.36 -0.10 -23.08	26.17 -0.18 -29.30	31.44 -0.24 -35.51	73.53 -0.74 -86.67	35.29 0.17 -32.58	36.74 -0.57 -46.71	32.15 -0.36 -38.33	49.54 -0.48 -58.25	30.22 -0.08 -31.80	29.95 -0.11 -32.20	25.44 -0.31 -31.59	24.30 0.14 -21.42	21.50 -0.26 -27.17
HILLBURN___GT 23639	30.68 -0.54 -50.45	27.40 -1.03 -65.55	24.20 -0.48 -41.08	24.44 0.10 -21.03	25.47 -0.04 -26.92	25.19 -0.38 -38.69	23.68 0.21 -16.45	12.55 0.12 -8.37	16.03 0.08 -13.74	29.59 -0.03 -32.02	16.54 -0.07 -18.51	5.42 -0.08 -7.13	24.84 -0.17 -27.95	29.84 -0.21 -33.90	70.24 -0.58 -83.22	33.97 0.13 -31.30	35.00 -0.48 -44.88	30.72 -0.29 -36.82	47.37 -0.36 -55.96	28.99 -0.06 -30.55	28.71 -0.08 -30.93	24.27 -0.22 -30.35	23.42 0.10 -20.58	20.50 -0.19 -26.10
HILLSIDE_115KV_TB1 80332	-7.74 -0.30 -11.78	-20.90 -0.72 -16.93	-6.05 -0.26 -10.61	8.80 0.06 -5.43	5.53 -0.01 -6.95	-3.28 -0.15 -9.99	11.91 0.09 -4.80	8.48 0.11 -4.31	9.45 0.04 -7.20	5.79 -0.09 -8.27	5.96 0.02 -7.83	4.40 0.00 -6.03	4.69 -0.02 -7.65	5.40 -0.03 -9.27	10.07 -0.16 -22.63	11.13 0.08 -8.51	2.81 0.02 -12.19	4.19 0.01 -10.01	7.00 0.02 -15.21	6.82 0.01 -8.30	6.28 0.01 -8.41	2.36 -0.04 -8.25	8.37 0.04 -5.59	1.62 -0.06 -7.09
HISHELDN_WT_PWR 323625	-22.66 -0.80 2.65	-27.01 -1.70 -11.80	-9.69 -0.68 -7.40	7.22 0.12 -3.79	3.38 -0.06 -4.85	-6.65 -0.50 -6.96	10.53 0.17 -3.35	7.18 0.11 -3.01	7.27 0.04 -5.02	3.16 -0.21 -5.76	3.60 0.03 -5.46	2.62 0.04 -4.20	2.46 0.06 -5.33	2.70 0.07 -6.47	3.44 0.06 -15.78	8.50 0.03 -5.93	-0.78 0.11 -8.50	1.28 0.12 -6.98	2.50 0.13 -10.60	4.31 0.01 -5.79	3.73 0.01 -5.86	-0.11 -0.02 -5.75	6.69 0.05 -3.90	-0.60 -0.13 -4.94
HOLTSVILLE_IC_1 23690	33.36 -1.08 -53.66	30.17 -2.45 -69.72	26.13 -1.17 -43.70	25.93 0.25 -22.37	27.14 -0.09 -28.63	27.15 -0.89 -41.15	29.77 0.50 -22.25	31.68 0.30 -27.32	46.79 0.22 -44.37	31.53 -0.13 -34.06	75.94 -0.17 -78.00	118.64 -0.17 -120.43	34.96 -0.29 -38.19	32.13 -0.38 -36.35	82.79 -0.95 -96.14	96.82 0.22 -94.06	206.37 -0.82 -216.59	314.06 -0.51 -320.39	276.01 -0.65 -284.88	67.54 -0.12 -69.14	30.15 -0.17 -32.46	25.51 -0.50 -31.85	24.60 0.26 -21.60	21.60 -0.40 -27.40
HOLTSVILLE_IC_10 23699	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.31 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.03 -1.00 -41.15	29.84 0.57 -22.25	31.73 0.35 -27.32	46.82 0.24 -44.37	31.51 -0.16 -34.06	73.82 -0.19 -75.91	114.20 -0.18 -116.00	35.12 -0.32 -38.38	32.06 -0.41 -36.31	83.21 -1.08 -96.69	96.17 0.25 -93.37	202.12 -0.93 -212.45	303.26 -0.57 -309.66	264.11 -0.74 -273.08	65.42 -0.13 -67.04	30.13 -0.19 -32.46	25.45 -0.55 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
HOLTSVILLE_IC_2 23691	33.36 -1.08 -53.66	30.17 -2.45 -69.72	26.13 -1.17 -43.70	25.93 0.25 -22.37	27.14 -0.09 -28.63	27.15 -0.89 -41.15	29.77 0.50 -22.25	31.68 0.30 -27.32	46.79 0.22 -44.37	31.53 -0.13 -34.06	75.94 -0.17 -78.00	118.64 -0.17 -120.43	34.96 -0.29 -38.19	32.13 -0.38 -36.35	82.79 -0.95 -96.14	96.82 0.22 -94.06	206.37 -0.82 -216.59	314.06 -0.51 -320.39	276.01 -0.65 -284.88	67.54 -0.12 -69.14	30.15 -0.17 -32.46	25.51 -0.50 -31.85	24.60 0.26 -21.60	21.60 -0.40 -27.40
HOLTSVILLE_IC_3 23692	33.36 -1.08 -53.66	30.17 -2.45 -69.72	26.13 -1.17 -43.70	25.93 0.25 -22.37	27.14 -0.09 -28.63	27.15 -0.89 -41.15	29.77 0.50 -22.25	31.68 0.30 -27.32	46.79 0.22 -44.37	31.53 -0.13 -34.06	75.94 -0.17 -78.00	118.64 -0.17 -120.43	34.96 -0.29 -38.19	32.13 -0.38 -36.35	82.79 -0.95 -96.14	96.82 0.22 -94.06	206.37 -0.82 -216.59	314.06 -0.51 -320.39	276.01 -0.65 -284.88	67.54 -0.12 -69.14	30.15 -0.17 -32.46	25.51 -0.50 -31.85	24.60 0.26 -21.60	21.60 -0.40 -27.40

HOLTSVILLE_IC_4 23693	33.36 -1.08 -53.66	30.17 -2.45 -69.72	26.13 -1.17 -43.70	25.93 0.25 -22.37	27.14 -0.09 -28.63	27.15 -0.89 -41.15	29.77 0.50 -22.25	31.68 0.30 -27.32	46.79 0.22 -44.37	31.53 -0.13 -34.06	75.94 -0.17 -78.00	118.64 -0.17 -120.43	34.96 -0.29 -38.19	32.13 -0.38 -36.35	82.79 -0.95 -96.14	96.82 0.22 -94.06	206.37 -0.82 -216.59	314.06 -0.51 -320.39	276.01 -0.65 -284.88	67.54 -0.12 -69.14	30.15 -0.17 -32.46	25.51 -0.50 -31.85	24.60 0.26 -21.60	21.60 -0.40 -27.40
HOLTSVILLE_IC_5 23694	33.36 -1.08 -53.66	30.17 -2.45 -69.72	26.13 -1.17 -43.70	25.93 0.25 -22.37	27.14 -0.09 -28.63	27.15 -0.89 -41.15	29.77 0.50 -22.25	31.68 0.30 -27.32	46.79 0.22 -44.37	31.53 -0.13 -34.06	75.94 -0.17 -78.00	118.64 -0.17 -120.43	34.96 -0.29 -38.19	32.13 -0.38 -36.35	82.79 -0.95 -96.14	96.82 0.22 -94.06	206.37 -0.82 -216.59	314.06 -0.51 -320.39	276.01 -0.65 -284.88	67.54 -0.12 -69.14	30.15 -0.17 -32.46	25.51 -0.50 -31.85	24.60 0.26 -21.60	21.60 -0.40 -27.40
HOLTSVILLE_IC_6 23695	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.31 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.03 -1.00 -41.15	29.84 0.57 -22.25	31.73 0.35 -27.32	46.82 0.24 -44.37	31.51 -0.16 -34.06	73.82 -0.19 -75.91	114.20 -0.18 -116.00	35.12 -0.32 -38.38	32.06 -0.41 -36.31	83.21 -1.08 -96.69	96.17 0.25 -93.37	202.12 -0.93 -212.45	303.26 -0.57 -309.66	264.11 -0.74 -273.08	65.42 -0.13 -67.04	30.13 -0.19 -32.46	25.45 -0.55 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
HOLTSVILLE_IC_7 23696	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.31 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.03 -1.00 -41.15	29.84 0.57 -22.25	31.73 0.35 -27.32	46.82 0.24 -44.37	31.51 -0.16 -34.06	73.82 -0.19 -75.91	114.20 -0.18 -116.00	35.12 -0.32 -38.38	32.06 -0.41 -36.31	83.21 -1.08 -96.69	96.17 0.25 -93.37	202.12 -0.93 -212.45	303.26 -0.57 -309.66	264.11 -0.74 -273.08	65.42 -0.13 -67.04	30.13 -0.19 -32.46	25.45 -0.55 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
HOLTSVILLE_IC_8 23697	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.31 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.03 -1.00 -41.15	29.84 0.57 -22.25	31.73 0.35 -27.32	46.82 0.24 -44.37	31.51 -0.16 -34.06	73.82 -0.19 -75.91	114.20 -0.18 -116.00	35.12 -0.32 -38.38	32.06 -0.41 -36.31	83.21 -1.08 -96.69	96.17 0.25 -93.37	202.12 -0.93 -212.45	303.26 -0.57 -309.66	264.11 -0.74 -273.08	65.42 -0.13 -67.04	30.13 -0.19 -32.46	25.45 -0.55 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
HOLTSVILLE_IC_9 23698	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.31 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.03 -1.00 -41.15	29.84 0.57 -22.25	31.73 0.35 -27.32	46.82 0.24 -44.37	31.51 -0.16 -34.06	73.82 -0.19 -75.91	114.20 -0.18 -116.00	35.12 -0.32 -38.38	32.06 -0.41 -36.31	83.21 -1.08 -96.69	96.17 0.25 -93.37	202.12 -0.93 -212.45	303.26 -0.57 -309.66	264.11 -0.74 -273.08	65.42 -0.13 -67.04	30.13 -0.19 -32.46	25.45 -0.55 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
HOMER_HL_115KV_TB2 355744	-9.29 -0.89 -10.82	-26.55 -1.90 -12.45	-9.38 -0.79 -7.81	7.48 0.17 -4.00	3.64 -0.07 -5.12	-6.33 -0.56 -7.35	10.81 0.26 -3.53	7.41 0.18 -3.17	7.58 0.07 -5.30	3.45 -0.24 -6.08	3.85 -0.02 -5.76	2.81 0.00 -4.44	2.66 -0.03 -5.63	2.94 -0.04 -6.82	3.99 -0.26 -16.65	8.89 0.08 -6.26	-0.55 -0.13 -8.97	1.53 -0.02 -7.36	2.94 -0.03 -11.19	4.60 -0.01 -6.11	4.02 -0.02 -6.19	0.08 -0.13 -6.07	6.98 0.13 -4.12	-0.41 -0.22 -5.22
HOWARD_WT_PWR 323690	-2.28 -0.42 -17.36	-24.20 -0.80 -13.71	-8.13 -0.32 -8.59	7.76 0.04 -4.40	4.20 -0.03 -5.63	-5.32 -0.29 -8.09	11.04 0.13 -3.89	7.62 0.07 -3.49	8.07 0.02 -5.83	4.14 -0.17 -6.70	4.53 0.08 -6.34	3.34 0.08 -4.88	3.38 0.13 -6.20	3.81 0.13 -7.51	6.22 0.29 -18.33	9.39 -0.05 -6.89	0.86 0.38 -9.88	2.52 0.23 -8.11	4.40 0.31 -12.32	5.29 0.05 -6.73	4.72 0.05 -6.81	0.92 0.08 -6.68	7.25 -0.02 -4.53	0.32 -0.02 -5.75
HQ_GEN_CEDARS 23644	-83.59 2.91 67.28	-53.83 5.86 22.58	-42.13 2.56 28.28	-55.17 -0.50 57.99	-46.55 0.20 45.35	-25.13 1.81 13.82	-220.18 -1.08 226.12	-295.77 -0.68 299.14	-136.14 -0.36 137.99	-37.84 0.40 35.84	-46.27 0.32 44.70	-327.07 0.27 325.71	-348.01 0.49 345.56	-19.85 0.60 16.62	-21.18 1.94 10.72	-22.31 -0.35 24.51	-39.89 1.53 32.02	-25.59 0.91 20.68	-21.96 1.27 15.00	-28.66 0.23 27.40	-21.21 0.32 19.39	-11.68 0.87 6.70	-19.26 -0.46 21.54	-14.20 0.83 9.63
HQ_GEN_CEDARS_PROXY 323590	-83.59 2.91 67.28	-53.79 5.89 22.58	-42.14 2.55 28.28	-55.20 -0.53 57.99	-46.55 0.20 45.35	-25.14 1.80 13.82	-220.18 -1.08 226.12	-295.77 -0.68 299.14	-136.14 -0.36 137.99	-37.84 0.40 35.84	-46.27 0.32 44.70	-327.07 0.27 325.71	-348.01 0.49 345.56	-19.85 0.60 16.62	-21.19 1.93 10.72	-22.31 -0.35 24.51	-39.88 1.53 32.02	-25.59 0.91 20.68	-21.96 1.27 15.00	-28.66 0.23 27.40	-21.21 0.32 19.39	-11.67 0.88 6.70	-19.26 -0.46 21.54	-14.20 0.83 9.63
HQ_GEN_IMPORT 323601	-74.62 2.93 58.33	-51.80 5.94 20.63	-38.80 2.56 24.96	-47.12 -0.53 49.91	-40.46 0.20 39.25	-23.91 1.82 12.62	-187.34 -1.10 193.25	-252.13 -0.69 255.49	-113.79 -0.37 115.63	-33.12 0.40 31.13	-39.61 0.32 38.04	-278.62 0.27 277.27	-296.23 0.51 293.79	-17.22 0.63 14.01	-19.33 2.00 8.93	-18.52 -0.36 20.70	-34.94 1.59 27.13	-22.34 0.95 17.47	-19.53 1.31 12.62	-24.53 0.24 23.28	-18.30 0.33 16.49	-10.54 0.91 5.61	-15.95 -0.48 18.21	-12.63 0.85 8.07
HQ_GEN_WHEEL 23651	-74.62 2.93 58.33	-51.80 5.94 20.63	-38.80 2.56 24.96	-47.12 -0.53 49.91	-40.46 0.20 39.25	-23.91 1.82 12.62	-187.34 -1.10 193.25	-252.13 -0.69 255.49	-113.79 -0.37 115.63	-33.12 0.40 31.13	-39.61 0.32 38.04	-278.62 0.27 277.27	-296.23 0.51 293.79	-17.22 0.63 14.01	-19.33 2.00 8.93	-18.52 -0.36 20.70	-34.94 1.59 27.13	-22.34 0.95 17.47	-19.53 1.31 12.62	-24.53 0.24 23.28	-18.30 0.33 16.49	-10.54 0.91 5.61	-15.95 -0.48 18.21	-12.63 0.85 8.07
HUDSON_AVE_GT_3 23810	33.59 -0.81 -53.63	31.03 -1.55 -69.69	26.57 -0.70 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.46 -0.56 -41.13	29.59 0.32 -22.25	31.60 0.19 -27.35	46.82 0.13 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.16 -32.84	37.07 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38
HUDSON_AVE_GT_4 23540	33.59 -0.81 -53.63	31.03 -1.55 -69.69	26.57 -0.70 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.46 -0.56 -41.13	29.59 0.32 -22.25	31.60 0.19 -27.35	46.82 0.13 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.16 -32.84	37.07 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38
HUDSON_AVE_GT_5 23657	33.59 -0.81 -53.63	31.03 -1.55 -69.69	26.57 -0.70 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.46 -0.56 -41.13	29.59 0.32 -22.25	31.60 0.19 -27.35	46.82 0.13 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.16 -32.84	37.07 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.68 -0.31 -31.84	24.48 0.15 -21.59	21.70 -0.27 -27.38

HUDSON_AVE_10 24168	33.66 -0.75 -53.63	31.16 -1.42 -69.69	26.62 -0.65 -43.67	25.80 0.13 -22.36	27.16 -0.06 -28.62	27.50 -0.51 -41.13	29.56 0.29 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.30 -0.09 -40.28	35.36 -0.10 -37.09	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.17 -0.74 -87.31	35.54 0.16 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.27 -27.38
HUDSON___115KV_TB 4 355613	47.86 -0.54 -67.62	49.75 -1.00 -87.86	38.23 -0.43 -55.06	31.60 0.10 -28.19	34.64 -0.04 -36.08	38.36 -0.38 -51.85	32.68 0.20 -25.46	28.61 0.12 -24.44	42.10 0.07 -39.82	40.46 -0.06 -42.92	36.33 -0.07 -38.29	28.08 -0.04 -29.75	32.23 -0.08 -35.26	38.79 -0.11 -42.74	91.37 -0.36 -104.13	41.76 0.07 -39.14	46.42 -0.29 -56.11	40.04 -0.18 -46.04	61.46 -0.29 -69.97	36.65 -0.06 -38.20	36.45 -0.08 -38.68	31.89 -0.20 -37.95	28.57 0.10 -25.73	27.06 -0.16 -32.63
HUNTER MOUNT___DRP 323613	45.45 -0.66 -65.34	46.55 -1.25 -84.90	36.28 -0.53 -53.21	30.67 0.12 -27.24	33.42 -0.05 -34.87	36.53 -0.46 -50.11	31.79 0.25 -24.53	27.51 0.14 -23.31	40.53 0.09 -38.23	39.00 -0.08 -41.47	35.00 -0.08 -36.97	26.93 -0.04 -28.60	31.25 -0.08 -34.28	37.61 -0.11 -41.55	88.47 -0.40 -101.27	40.70 0.08 -38.07	44.86 -0.31 -54.58	38.76 -0.20 -44.78	59.49 -0.34 -68.05	35.59 -0.07 -37.15	35.38 -0.09 -37.62	30.82 -0.24 -36.91	27.88 0.12 -25.02	26.14 -0.19 -31.74
HUNTINGTON_RES_REC 323705	33.48 -0.96 -53.66	30.42 -2.20 -69.72	26.24 -1.06 -43.70	25.91 0.23 -22.37	27.15 -0.08 -28.63	27.22 -0.81 -41.15	29.74 0.46 -22.25	31.66 0.28 -27.32	46.78 0.20 -44.37	31.56 -0.11 -34.06	63.57 -0.16 -65.62	119.60 -0.16 -121.38	39.57 -0.28 -42.80	32.40 -0.36 -36.60	96.69 -0.91 -109.99	147.80 0.21 -145.04	325.10 -0.81 -335.30	473.02 -0.50 -479.34	371.89 -0.63 -380.75	81.59 -0.11 -83.19	30.16 -0.16 -32.46	25.54 -0.46 -31.85	24.57 0.24 -21.60	21.63 -0.35 -27.39
HUNTLEY___63 23557	-12.01 -1.37 -8.58	-29.28 -2.54 -10.37	-10.96 -1.06 -6.50	6.85 0.20 -3.33	2.77 -0.09 -4.26	-7.77 -0.78 -6.12	10.24 0.28 -2.94	6.88 0.18 -2.64	6.69 0.07 -4.41	2.41 -0.26 -5.07	2.90 -0.01 -4.80	2.08 0.01 -3.69	1.76 0.01 -4.69	1.86 0.02 -5.68	1.36 -0.11 -13.87	7.83 0.07 -5.21	-2.03 -0.11 -7.48	0.32 0.01 -6.13	1.03 -0.06 -9.32	3.57 -0.02 -5.09	2.98 -0.03 -5.15	-0.93 -0.13 -5.05	6.29 0.13 -3.43	-1.31 -0.25 -4.35
HUNTLEY___64 23558	-12.01 -1.37 -8.58	-29.28 -2.54 -10.37	-10.96 -1.06 -6.50	6.85 0.20 -3.33	2.77 -0.09 -4.26	-7.77 -0.78 -6.12	10.24 0.28 -2.94	6.88 0.18 -2.64	6.69 0.07 -4.41	2.41 -0.26 -5.07	2.90 -0.01 -4.80	2.08 0.01 -3.69	1.76 0.01 -4.69	1.86 0.02 -5.68	1.36 -0.11 -13.87	7.83 0.07 -5.21	-2.03 -0.11 -7.48	0.32 0.01 -6.13	1.03 -0.06 -9.32	3.57 -0.02 -5.09	2.98 -0.03 -5.15	-0.93 -0.13 -5.05	6.29 0.13 -3.43	-1.31 -0.25 -4.35
HUNTLEY___65 23559	-12.01 -1.37 -8.58	-29.28 -2.54 -10.37	-10.96 -1.06 -6.50	6.85 0.20 -3.33	2.77 -0.09 -4.26	-7.77 -0.78 -6.12	10.24 0.28 -2.94	6.88 0.18 -2.64	6.69 0.07 -4.41	2.41 -0.26 -5.07	2.90 -0.01 -4.80	2.08 0.01 -3.69	1.76 0.01 -4.69	1.86 0.02 -5.68	1.36 -0.11 -13.87	7.83 0.07 -5.21	-2.03 -0.11 -7.48	0.32 0.01 -6.13	1.03 -0.06 -9.32	3.57 -0.02 -5.09	2.98 -0.03 -5.15	-0.93 -0.13 -5.05	6.29 0.13 -3.43	-1.31 -0.25 -4.35
HUNTLEY___66 23560	-12.01 -1.37 -8.58	-29.28 -2.54 -10.37	-10.96 -1.06 -6.50	6.85 0.20 -3.33	2.77 -0.09 -4.26	-7.77 -0.78 -6.12	10.24 0.28 -2.94	6.88 0.18 -2.64	6.69 0.07 -4.41	2.41 -0.26 -5.07	2.90 -0.01 -4.80	2.08 0.01 -3.69	1.76 0.01 -4.69	1.86 0.02 -5.68	1.36 -0.11 -13.87	7.83 0.07 -5.21	-2.03 -0.11 -7.48	0.32 0.01 -6.13	1.03 -0.06 -9.32	3.57 -0.02 -5.09	2.98 -0.03 -5.15	-0.93 -0.13 -5.05	6.29 0.13 -3.43	-1.31 -0.25 -4.35
HUNTLEY___67 23561	-11.61 -1.09 -8.70	-28.55 -2.02 -10.58	-10.60 -0.83 -6.63	6.87 0.16 -3.40	2.87 -0.07 -4.34	-7.47 -0.60 -6.25	10.22 0.20 -3.00	6.88 0.14 -2.70	6.75 0.04 -4.50	2.55 -0.22 -5.17	3.00 0.00 -4.90	2.16 0.02 -3.77	1.87 0.03 -4.78	2.00 0.04 -5.80	1.74 -0.01 -14.15	7.89 0.03 -5.32	-1.81 -0.04 -7.63	0.48 0.05 -6.26	1.30 0.02 -9.51	3.69 -0.01 -5.19	3.10 -0.02 -5.26	-0.78 -0.09 -5.16	6.33 0.09 -3.50	-1.18 -0.21 -4.43
HUNTLEY___68 23562	-11.61 -1.09 -8.70	-28.55 -2.02 -10.58	-10.60 -0.83 -6.63	6.87 0.16 -3.40	2.87 -0.07 -4.34	-7.47 -0.60 -6.25	10.22 0.20 -3.00	6.88 0.14 -2.70	6.75 0.04 -4.50	2.55 -0.22 -5.17	3.00 0.00 -4.90	2.16 0.02 -3.77	1.87 0.03 -4.78	2.00 0.04 -5.80	1.74 -0.01 -14.15	7.89 0.03 -5.32	-1.81 -0.04 -7.63	0.48 0.05 -6.26	1.30 0.02 -9.51	3.69 -0.01 -5.19	3.10 -0.02 -5.26	-0.78 -0.09 -5.16	6.33 0.09 -3.50	-1.18 -0.21 -4.43
HYLAND___LFGE 323620	-3.80 -1.61 -17.03	-28.77 -3.05 -11.39	-10.55 -1.29 -7.14	7.22 0.25 -3.65	3.17 -0.11 -4.68	-7.38 -0.98 -6.72	10.76 0.51 -3.23	7.25 0.30 -2.90	7.19 0.14 -4.85	2.94 -0.23 -5.56	3.36 -0.02 -5.27	2.43 0.00 -4.06	2.19 -0.02 -5.15	2.37 -0.04 -6.24	2.53 -0.30 -15.23	8.34 0.07 -5.73	-1.42 -0.23 -8.21	0.85 -0.07 -6.74	1.79 -0.22 -10.24	4.04 -0.06 -5.59	3.41 -0.11 -5.66	-0.64 -0.34 -5.55	6.69 0.19 -3.76	-1.01 -0.37 -4.77
INDECK___CORINTH 23802	52.20 -1.17 -72.59	55.11 -2.11 -94.32	41.80 -0.91 -59.11	33.77 0.19 -30.26	37.25 -0.08 -38.73	41.79 -0.76 -55.67	34.79 0.40 -27.36	30.63 0.21 -26.36	45.09 0.11 -42.77	43.55 -0.13 -46.07	38.86 -0.11 -40.86	30.06 -0.07 -31.75	34.41 -0.12 -37.48	41.42 -0.17 -45.43	97.68 -0.60 -110.68	44.27 0.13 -41.60	49.68 -0.56 -59.65	42.77 -0.35 -48.94	65.59 -0.55 -74.38	39.01 -0.10 -40.60	38.83 -0.14 -41.11	34.13 -0.36 -40.34	30.25 0.16 -27.35	28.98 -0.30 -34.69
INDECK___ILION 23567	-17.43 0.09 -1.70	-36.45 0.19 -0.46	-15.74 0.09 -0.57	3.30 -0.02 0.00	-1.40 0.00 0.00	-13.04 0.07 0.00	6.97 -0.05 0.00	4.04 -0.01 0.00	2.19 -0.02 0.00	-0.78 0.01 -1.61	0.00 0.01 -1.88	4.63 0.01 -6.25	3.60 0.01 -6.53	-2.41 0.04 -1.39	-11.16 0.12 -1.11	4.51 -0.04 -2.00	-7.84 0.09 -1.47	-4.39 0.03 -1.39	-6.95 0.03 -1.25	-0.90 0.01 -0.58	-2.13 0.02 0.00	-5.00 0.05 -0.80	4.37 -0.02 -1.65	-4.14 0.05 -1.22
INDECK___OLEAN 23982	-9.29 -0.88 -10.82	-26.55 -1.90 -12.45	-9.38 -0.78 -7.81	7.49 0.18 -4.00	3.64 -0.07 -5.12	-6.32 -0.56 -7.35	10.81 0.26 -3.53	7.41 0.18 -3.17	7.58 0.07 -5.30	3.45 -0.24 -6.08	3.85 -0.02 -5.76	2.80 -0.01 -4.44	2.66 -0.03 -5.63	2.94 -0.04 -6.82	3.99 -0.26 -16.65	8.89 0.09 -6.26	-0.55 -0.13 -8.97	1.53 -0.02 -7.36	2.94 -0.03 -11.19	4.60 -0.02 -6.11	4.02 -0.02 -6.19	0.09 -0.13 -6.07	6.98 0.13 -4.12	-0.41 -0.22 -5.22
INDECK___OSWEGO 23783	-14.34 0.19 -4.70	-30.77 0.39 -5.95	-12.22 0.17 -4.00	8.89 -0.03 -5.61	3.89 0.02 -5.27	-8.77 0.16 -4.19	23.43 -0.07 -16.49	25.16 -0.04 -21.15	13.65 -0.02 -11.46	-1.10 0.01 -1.29	-0.78 0.03 -1.08	7.13 0.03 -8.73	7.02 0.05 -9.92	-2.91 0.06 -0.86	-6.70 0.19 -5.51	2.19 -0.04 0.31	-6.59 0.16 -2.65	-4.36 0.10 -1.37	-5.05 0.13 -3.04	1.69 0.02 -3.16	1.93 0.03 -4.05	-4.51 0.08 -1.25	2.06 -0.04 0.65	-5.24 0.07 -0.10

INDECK___YERKES 23781	-12.03 -1.39 -8.58	-29.32 -2.58 -10.37	-10.98 -1.08 -6.50	6.86 0.21 -3.33	2.77 -0.09 -4.26	-7.79 -0.79 -6.12	10.25 0.29 -2.94	6.88 0.19 -2.64	6.69 0.07 -4.41	2.41 -0.27 -5.07	2.89 -0.01 -4.80	2.07 0.00 -3.69	1.76 0.01 -4.69	1.86 0.01 -5.68	1.35 -0.12 -13.87	7.83 0.08 -5.21	-2.04 -0.12 -7.48	0.31 0.00 -6.13	1.03 -0.07 -9.32	3.57 -0.03 -5.09	2.98 -0.03 -5.15	-0.93 -0.13 -5.05	6.29 0.13 -3.43	-1.32 -0.25 -4.35
INDIAN POINT_GT_1 24139	32.97 -0.63 -52.82	30.31 -1.22 -68.63	26.06 -0.56 -43.02	25.45 0.11 -22.02	26.74 -0.05 -28.18	26.96 -0.44 -40.51	29.43 0.25 -22.16	32.09 0.15 -27.89	48.98 0.09 -46.68	31.09 -0.04 -33.53	39.78 -0.08 -41.75	37.72 -0.09 -39.43	25.82 -0.17 -28.94	31.05 -0.22 -35.10	73.37 -0.64 -86.41	35.19 0.13 -32.51	36.69 -0.52 -46.61	32.11 -0.31 -38.24	49.50 -0.39 -58.12	30.17 -0.07 -31.73	29.89 -0.09 -32.12	25.41 -0.25 -31.52	24.23 0.12 -21.37	21.48 -0.22 -27.10
INDIAN POINT_GT_2 23659	32.97 -0.63 -52.82	30.31 -1.22 -68.63	26.06 -0.56 -43.02	25.45 0.11 -22.02	26.74 -0.05 -28.18	26.96 -0.44 -40.51	29.43 0.25 -22.16	32.09 0.15 -27.89	48.98 0.09 -46.68	31.09 -0.04 -33.53	39.78 -0.08 -41.75	37.72 -0.09 -39.43	25.82 -0.17 -28.94	31.05 -0.22 -35.10	73.37 -0.64 -86.41	35.19 0.13 -32.51	36.69 -0.52 -46.61	32.11 -0.31 -38.24	49.50 -0.39 -58.12	30.17 -0.07 -31.73	29.89 -0.09 -32.12	25.41 -0.25 -31.52	24.23 0.12 -21.37	21.48 -0.22 -27.10
INDIAN POINT_GT_3 24019	32.97 -0.63 -52.82	30.31 -1.22 -68.63	26.06 -0.56 -43.02	25.45 0.11 -22.02	26.74 -0.05 -28.18	26.96 -0.44 -40.51	29.43 0.25 -22.16	32.09 0.15 -27.89	48.98 0.09 -46.68	31.09 -0.04 -33.53	39.78 -0.08 -41.75	37.72 -0.09 -39.43	25.82 -0.17 -28.94	31.05 -0.22 -35.10	73.37 -0.64 -86.41	35.19 0.13 -32.51	36.69 -0.52 -46.61	32.11 -0.31 -38.24	49.50 -0.39 -58.12	30.17 -0.07 -31.73	29.89 -0.09 -32.12	25.41 -0.25 -31.52	24.23 0.12 -21.37	21.48 -0.22 -27.10
INDIAN POINT___2 23530	32.19 -0.60 -52.02	29.32 -1.16 -67.59	25.42 -0.54 -42.36	25.11 0.11 -21.69	26.31 -0.04 -27.76	26.36 -0.41 -39.89	29.50 0.24 -22.25	33.29 0.14 -29.09	52.59 0.09 -50.29	30.59 -0.04 -33.02	42.24 -0.08 -44.21	41.47 -0.08 -43.18	25.50 -0.17 -28.60	30.64 -0.21 -34.70	72.25 -0.61 -85.26	34.75 0.13 -32.07	36.08 -0.50 -45.99	31.61 -0.30 -37.73	48.73 -0.38 -57.34	29.74 -0.07 -31.30	29.47 -0.08 -31.70	25.00 -0.25 -31.10	23.94 0.11 -21.08	21.12 -0.21 -26.74
INDIAN POINT___3 23531	33.01 -0.59 -52.83	30.39 -1.15 -68.64	26.10 -0.52 -43.02	25.44 0.11 -22.02	26.74 -0.04 -28.19	26.98 -0.41 -40.51	29.45 0.24 -22.19	32.20 0.14 -28.00	49.29 0.09 -47.00	31.10 -0.04 -33.53	40.00 -0.08 -41.97	38.04 -0.09 -39.75	25.83 -0.17 -28.94	31.06 -0.21 -35.11	73.44 -0.61 -86.45	35.20 0.13 -32.52	36.73 -0.50 -46.63	32.15 -0.30 -38.26	49.54 -0.38 -58.14	30.18 -0.06 -31.74	29.91 -0.08 -32.14	25.44 -0.24 -31.54	24.24 0.11 -21.38	21.50 -0.21 -27.12
INGHAM_C_115KV_TB7 356103	-17.35 0.17 -1.70	-36.28 0.37 -0.46	-15.63 0.19 -0.57	3.27 -0.04 0.00	-1.39 0.01 0.00	-12.96 0.15 0.00	6.90 -0.12 0.00	4.02 -0.03 0.00	2.17 -0.04 0.00	-0.77 0.02 -1.61	0.02 0.03 -1.88	4.64 0.01 -6.25	3.61 0.03 -6.53	-2.38 0.08 -1.39	-11.01 0.27 -1.11	4.46 -0.08 -2.00	-7.72 0.21 -1.47	-4.35 0.08 -1.39	-6.90 0.07 -1.25	-0.89 0.02 -0.58	-2.10 0.04 0.00	-4.94 0.11 -0.80	4.34 -0.06 -1.65	-4.07 0.12 -1.22
IP CORINTH___1 23988	52.20 -1.17 -72.59	55.11 -2.10 -94.32	41.80 -0.91 -59.11	33.77 0.19 -30.26	37.25 -0.08 -38.73	41.79 -0.76 -55.67	34.79 0.40 -27.36	30.63 0.22 -26.36	45.09 0.12 -42.77	43.55 -0.13 -46.07	38.86 -0.11 -40.86	30.06 -0.07 -31.75	34.41 -0.12 -37.48	41.42 -0.17 -45.43	97.68 -0.60 -110.68	44.27 0.13 -41.60	49.68 -0.56 -59.65	42.77 -0.35 -48.94	65.59 -0.55 -74.38	39.01 -0.10 -40.60	38.83 -0.14 -41.11	34.13 -0.36 -40.34	30.25 0.16 -27.35	28.98 -0.30 -34.69
IP___TICONDEROGA 23804	51.03 -2.22 -72.47	53.35 -3.71 -94.17	40.98 -1.63 -59.02	33.88 0.34 -30.21	37.11 -0.15 -38.67	41.04 -1.43 -55.58	35.10 0.76 -27.33	30.78 0.40 -26.33	45.11 0.19 -42.72	43.36 -0.25 -46.00	38.71 -0.20 -40.81	29.95 -0.15 -31.72	34.24 -0.25 -37.43	41.21 -0.32 -45.36	96.94 -1.18 -110.52	44.36 0.27 -41.54	49.12 -1.04 -59.56	42.39 -0.66 -48.87	65.01 -1.03 -74.27	38.87 -0.18 -40.54	38.65 -0.25 -41.05	33.75 -0.67 -40.28	30.34 0.29 -27.31	28.65 -0.58 -34.64
ISLIP_RES_REC 323679	33.08 -1.36 -53.66	29.62 -3.00 -69.72	25.90 -1.40 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.96 -1.08 -41.15	29.89 0.62 -22.25	31.76 0.38 -27.32	46.83 0.25 -44.37	31.48 -0.18 -34.06	70.86 -0.21 -72.96	107.78 -0.20 -109.60	34.81 -0.34 -38.10	31.98 -0.45 -36.26	82.26 -1.20 -95.86	90.97 0.28 -88.15	187.85 -1.02 -198.27	280.13 -0.63 -286.58	245.93 -0.82 -254.97	62.45 -0.15 -64.09	30.11 -0.21 -32.46	25.40 -0.60 -31.85	24.65 0.31 -21.60	21.51 -0.48 -27.40
JAMAICA__27_KV_LOAD 355505	33.54 -0.87 -53.63	30.91 -1.66 -69.69	26.52 -0.75 -43.67	25.83 0.15 -22.36	27.15 -0.07 -28.62	27.42 -0.59 -41.13	29.61 0.34 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.10 -0.81 -87.31	35.56 0.17 -32.84	37.06 -0.63 -47.09	32.44 -0.38 -38.64	50.00 -0.49 -58.72	30.48 -0.08 -32.05	30.20 -0.12 -32.46	25.65 -0.34 -31.84	24.51 0.18 -21.59	21.66 -0.31 -27.38
JANIS___SOLAR 323808	-6.98 -0.99 -13.23	-21.91 -1.99 -17.19	-6.54 -0.91 -10.77	9.00 0.17 -5.52	5.59 -0.07 -7.06	-3.63 -0.66 -10.14	12.27 0.38 -4.88	8.66 0.23 -4.38	9.65 0.13 -7.31	5.82 -0.19 -8.40	6.06 -0.06 -8.02	4.51 -0.05 -6.19	4.83 -0.08 -7.85	5.59 -0.08 -9.52	10.52 -0.30 -23.22	11.36 0.09 -8.73	2.76 -0.35 -12.51	4.19 -0.26 -10.27	7.05 -0.33 -15.60	6.96 -0.07 -8.52	6.39 -0.09 -8.62	2.35 -0.26 -8.46	8.60 0.13 -5.74	1.66 -0.21 -7.28
JARVIS____ 23743	-17.41 0.12 -1.70	-36.43 0.22 -0.46	-15.75 0.08 -0.57	3.30 -0.02 0.00	-1.39 0.01 0.00	-13.06 0.06 0.00	6.99 -0.03 0.00	4.03 -0.02 0.00	2.20 -0.01 0.00	-0.78 0.01 -1.61	-0.01 0.01 -1.88	4.64 0.01 -6.25	3.60 0.02 -6.53	-2.42 0.02 -1.39	-11.21 0.07 -1.11	4.53 -0.01 -2.00	-7.87 0.05 -1.47	-4.40 0.03 -1.39	-6.94 0.04 -1.25	-0.90 0.01 -0.58	-2.13 0.01 0.00	-5.02 0.03 -0.80	4.38 -0.02 -1.65	-4.17 0.03 -1.22
JENNISON___1 23625	-4.09 -1.01 -16.15	-17.59 -2.05 -21.57	-3.80 -0.92 -13.51	10.41 0.18 -6.92	7.39 -0.07 -8.86	-1.07 -0.68 -12.73	13.53 0.39 -6.12	9.79 0.24 -5.49	11.51 0.13 -9.18	7.97 -0.17 -10.53	8.16 -0.09 -10.14	6.12 -0.08 -7.83	6.85 -0.14 -9.94	8.04 -0.16 -12.04	16.48 -0.51 -29.39	13.71 0.11 -11.05	5.99 -0.45 -15.84	6.88 -0.30 -13.00	11.12 -0.40 -19.75	9.22 -0.07 -10.78	8.67 -0.10 -10.92	4.57 -0.29 -10.71	10.15 0.14 -7.26	3.57 -0.24 -9.21
JENNISON___2 23626	-4.09 -1.01 -16.15	-17.59 -2.05 -21.57	-3.80 -0.92 -13.51	10.41 0.18 -6.92	7.39 -0.07 -8.86	-1.07 -0.68 -12.73	13.53 0.39 -6.12	9.79 0.24 -5.49	11.51 0.13 -9.18	7.97 -0.17 -10.53	8.16 -0.09 -10.14	6.12 -0.08 -7.83	6.85 -0.14 -9.94	8.04 -0.16 -12.04	16.48 -0.51 -29.39	13.71 0.11 -11.05	5.99 -0.45 -15.84	6.88 -0.30 -13.00	11.12 -0.40 -19.75	9.22 -0.07 -10.78	8.67 -0.10 -10.92	4.57 -0.29 -10.71	10.15 0.14 -7.26	3.57 -0.24 -9.21

JERICO_RISE_WT_PWR 323719	-80.49 2.62 63.89	-53.28 5.25 21.42	-40.95 2.31 26.85	-52.29 -0.48 55.11	-44.33 0.17 43.10	-24.63 1.60 13.12	-208.86 -0.93 214.95	-280.92 -0.61 284.37	-129.30 -0.34 131.16	-36.07 0.34 34.02	-44.01 0.31 42.43	-310.83 0.25 309.46	-330.78 0.48 328.32	-18.95 0.63 15.74	-20.47 2.04 10.12	-21.10 -0.41 23.23	-38.35 1.43 30.38	-24.47 0.95 19.60	-21.13 1.29 14.20	-27.29 0.22 26.02	-20.24 0.31 18.41	-11.27 0.91 6.33	-18.12 -0.43 20.42	-13.73 0.78 9.10
KATONAH__115KV_46KV_TB4 355592	34.93 -0.76 -54.91	32.78 -1.45 -71.34	27.66 -0.66 -44.71	26.34 0.13 -22.89	27.84 -0.05 -29.30	28.47 -0.52 -42.11	29.45 0.30 -22.13	29.71 0.18 -25.48	41.83 0.11 -39.51	32.39 -0.06 -34.85	34.91 -0.10 -36.91	30.16 -0.10 -31.89	26.66 -0.20 -29.80	32.04 -0.25 -36.14	75.30 -0.76 -88.46	35.97 0.16 -33.26	37.68 -0.61 -47.69	32.94 -0.37 -39.13	50.77 -0.48 -59.47	30.89 -0.08 -32.46	30.62 -0.11 -32.87	26.10 -0.31 -32.25	24.75 0.14 -21.87	22.07 -0.26 -27.73
KCE_NY_1 323755	52.15 -0.97 -72.35	55.04 -1.86 -94.00	41.72 -0.80 -58.91	33.64 0.17 -30.16	37.13 -0.07 -38.60	41.70 -0.66 -55.49	34.64 0.34 -27.28	30.54 0.18 -26.30	44.97 0.10 -42.66	43.41 -0.11 -45.92	38.76 -0.10 -40.75	29.99 -0.07 -31.69	34.29 -0.14 -37.37	41.28 -0.18 -45.29	97.33 -0.63 -110.35	44.16 0.14 -41.48	49.57 -0.49 -59.47	42.67 -0.31 -48.80	65.46 -0.46 -74.15	38.90 -0.08 -40.48	38.73 -0.12 -40.99	34.07 -0.30 -40.22	30.15 0.14 -27.27	28.91 -0.27 -34.58
KCE_NY_6_ESR 323823	-11.36 -1.23 -9.09	-28.41 -2.35 -11.04	-10.44 -0.96 -6.92	7.05 0.19 -3.54	3.05 -0.08 -4.54	-7.30 -0.70 -6.52	10.42 0.27 -3.13	7.05 0.18 -2.81	6.97 0.07 -4.70	2.75 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 0.00 -4.99	2.21 0.00 -6.05	2.21 -0.16 -14.77	8.16 0.06 -5.55	-1.56 -0.12 -7.96	0.70 -0.01 -6.53	1.65 -0.05 -9.92	3.91 -0.02 -5.42	3.30 -0.04 -5.49	-0.61 -0.14 -5.38	6.50 0.11 -3.65	-1.03 -0.24 -4.63
KEDC_PORT_JEFF_GT2 24210	33.31 -1.13 -53.66	30.05 -2.56 -69.72	26.08 -1.22 -43.70	25.94 0.26 -22.37	27.14 -0.09 -28.63	27.10 -0.93 -41.15	29.80 0.53 -22.25	31.70 0.32 -27.32	46.81 0.23 -44.37	31.52 -0.14 -34.06	76.36 -0.18 -78.43	119.74 -0.18 -121.54	35.52 -0.30 -38.77	32.14 -0.38 -36.36	84.52 -0.95 -97.87	101.84 0.22 -99.07	216.78 -0.81 -226.99	325.39 -0.50 -331.71	280.17 -0.64 -289.03	67.96 -0.11 -69.56	30.16 -0.16 -32.46	25.52 -0.48 -31.85	24.60 0.27 -21.60	21.57 -0.42 -27.40
KEDC_PORT_JEFF_GT3 24211	33.31 -1.13 -53.66	30.05 -2.56 -69.72	26.08 -1.22 -43.70	25.94 0.26 -22.37	27.14 -0.09 -28.63	27.10 -0.93 -41.15	29.80 0.53 -22.25	31.70 0.32 -27.32	46.81 0.23 -44.37	31.52 -0.14 -34.06	76.36 -0.18 -78.43	119.74 -0.18 -121.54	35.52 -0.30 -38.77	32.14 -0.38 -36.36	84.52 -0.95 -97.87	101.84 0.22 -99.07	216.78 -0.81 -226.99	325.39 -0.50 -331.71	280.17 -0.64 -289.03	67.96 -0.11 -69.56	30.16 -0.16 -32.46	25.52 -0.48 -31.85	24.60 0.27 -21.60	21.57 -0.42 -27.40
KEDC_GLWD_GT4 24219	33.53 -0.91 -53.66	30.77 -1.84 -69.72	26.45 -0.85 -43.70	25.86 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.64 0.37 -22.25	31.60 0.22 -27.32	46.72 0.15 -44.37	31.58 -0.08 -34.06	38.92 -0.13 -40.94	38.32 -0.13 -40.07	32.08 -0.24 -35.26	31.59 -0.29 -35.72	74.16 -0.77 -87.33	35.57 0.17 -32.85	37.06 -0.65 -47.11	32.44 -0.39 -38.65	50.01 -0.50 -58.73	30.49 -0.08 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.49 0.15 -21.60	21.68 -0.30 -27.39
KEDC_GLWD_GT5 24220	33.53 -0.91 -53.66	30.77 -1.84 -69.72	26.45 -0.85 -43.70	25.86 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.66 -41.15	29.64 0.37 -22.25	31.60 0.22 -27.32	46.72 0.15 -44.37	31.58 -0.08 -34.06	38.92 -0.13 -40.94	38.32 -0.13 -40.07	32.08 -0.24 -35.26	31.59 -0.29 -35.72	74.16 -0.77 -87.33	35.57 0.17 -32.85	37.06 -0.65 -47.11	32.44 -0.39 -38.65	50.01 -0.50 -58.73	30.49 -0.08 -32.06	30.21 -0.11 -32.46	25.67 -0.33 -31.85	24.49 0.15 -21.60	21.68 -0.30 -27.39
KENSICO____ 23655	33.49 -0.70 -53.41	30.96 -1.33 -69.40	26.49 -0.61 -43.49	25.71 0.12 -22.26	27.05 -0.05 -28.50	27.36 -0.48 -40.96	29.54 0.27 -22.25	31.80 0.16 -27.58	47.68 0.11 -45.37	31.46 -0.04 -33.90	38.90 -0.09 -40.88	36.29 -0.09 -38.01	26.05 -0.18 -29.18	31.32 -0.24 -35.40	74.03 -0.69 -87.12	35.46 0.14 -32.77	37.04 -0.55 -46.99	32.40 -0.33 -38.56	49.95 -0.42 -58.59	30.42 -0.07 -31.99	30.15 -0.09 -32.39	25.65 -0.28 -31.78	24.42 0.13 -21.54	21.68 -0.24 -27.33
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	29.96 -0.76 -49.94	26.36 -1.43 -64.90	23.63 -0.64 -40.67	24.27 0.13 -20.82	25.20 -0.05 -26.65	24.69 -0.50 -38.30	25.46 0.29 -18.15	19.74 0.18 -15.50	29.93 0.11 -27.61	29.24 -0.06 -31.70	25.49 -0.09 -27.47	18.30 -0.09 -20.02	24.63 -0.18 -27.76	29.58 -0.23 -33.65	69.03 -0.74 -82.17	33.60 0.17 -30.89	34.33 -0.57 -44.29	30.16 -0.36 -36.34	46.52 -0.48 -55.23	28.57 -0.09 -30.15	28.27 -0.11 -30.53	23.79 -0.31 -29.95	23.19 0.14 -20.31	20.09 -0.26 -25.76
KIAC_JFK_GT1 23816	33.65 -0.76 -53.63	31.14 -1.44 -69.69	26.62 -0.66 -43.67	25.80 0.13 -22.36	27.16 -0.05 -28.62	27.50 -0.51 -41.13	29.57 0.29 -22.25	31.59 0.18 -27.35	46.82 0.12 -44.48	31.62 -0.03 -34.04	38.31 -0.08 -40.28	35.37 -0.09 -37.09	26.14 -0.18 -29.27	31.44 -0.23 -35.51	74.22 -0.68 -87.31	35.53 0.15 -32.84	37.15 -0.53 -47.09	32.49 -0.32 -38.64	50.08 -0.41 -58.72	30.49 -0.07 -32.05	30.22 -0.09 -32.46	25.71 -0.28 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
KIAC_JFK_GT2 23817	33.65 -0.76 -53.63	31.14 -1.44 -69.69	26.62 -0.66 -43.67	25.80 0.13 -22.36	27.16 -0.05 -28.62	27.50 -0.51 -41.13	29.57 0.29 -22.25	31.59 0.18 -27.35	46.82 0.12 -44.48	31.62 -0.03 -34.04	38.31 -0.08 -40.28	35.37 -0.09 -37.09	26.14 -0.18 -29.27	31.44 -0.23 -35.51	74.22 -0.68 -87.31	35.53 0.15 -32.84	37.15 -0.53 -47.09	32.49 -0.32 -38.64	50.08 -0.41 -58.72	30.49 -0.07 -32.05	30.22 -0.09 -32.46	25.71 -0.28 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
KIAC_JFK____ 323774	33.65 -0.76 -53.63	31.14 -1.44 -69.69	26.62 -0.66 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.50 -0.51 -41.13	29.57 0.29 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.03 -34.04	38.31 -0.08 -40.28	35.37 -0.09 -37.09	26.14 -0.18 -29.27	31.44 -0.23 -35.51	74.23 -0.68 -87.31	35.53 0.15 -32.84	37.16 -0.53 -47.09	32.49 -0.32 -38.64	50.08 -0.41 -58.72	30.49 -0.07 -32.05	30.22 -0.09 -32.46	25.71 -0.28 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
KINTIGH____ 23543	-12.45 -0.83 -7.61	-29.50 -1.52 -9.14	-11.30 -0.63 -5.73	6.37 0.12 -2.93	2.30 -0.05 -3.75	-8.17 -0.44 -5.39	9.75 0.14 -2.59	6.47 0.09 -2.33	6.11 0.02 -3.89	1.88 -0.19 -4.46	2.33 0.00 -4.23	1.65 0.02 -3.25	1.23 0.04 -4.13	1.22 0.05 -5.01	-0.15 0.03 -12.22	7.14 0.00 -4.59	-2.83 -0.01 -6.59	-0.36 0.05 -5.40	0.02 0.04 -8.21	2.99 0.00 -4.48	2.39 -0.01 -4.54	-1.46 -0.06 -4.45	5.82 0.06 -3.02	-1.74 -0.16 -3.83
KNTFSRNC_46_KV_46KV_LOAD 80397	-78.99 2.31 62.07	-53.29 4.63 20.81	-40.42 2.07 26.09	-50.66 -0.40 53.58	-43.14 0.16 41.89	-24.42 1.44 12.74	-202.79 -0.84 208.97	-272.97 -0.56 276.46	-125.63 -0.32 127.51	-35.13 0.31 33.04	-42.82 0.28 41.21	-302.15 0.23 300.76	-321.58 0.46 319.09	-18.53 0.59 15.27	-20.29 1.91 9.80	-20.39 -0.39 22.55	-37.61 1.29 29.50	-23.97 0.87 19.02	-20.81 1.19 13.77	-26.57 0.20 25.28	-19.76 0.28 17.90	-11.17 0.82 6.14	-17.47 -0.39 19.82	-13.52 0.71 8.83

LACHUTE___HYDRO 323717	51.03 -2.22 -72.47	53.35 -3.71 -94.17	40.98 -1.64 -59.02	33.88 0.35 -30.21	37.11 -0.15 -38.67	41.04 -1.42 -55.58	35.10 0.76 -27.33	30.78 0.40 -26.33	45.11 0.19 -42.72	43.36 -0.25 -46.00	38.71 -0.20 -40.81	29.94 -0.15 -31.72	34.24 -0.25 -37.43	41.21 -0.32 -45.36	96.94 -1.18 -110.52	44.35 0.27 -41.54	49.11 -1.04 -59.56	42.39 -0.66 -48.87	65.01 -1.03 -74.27	38.87 -0.18 -40.54	38.65 -0.25 -41.05	33.75 -0.67 -40.28	30.34 0.29 -27.31	28.65 -0.58 -34.64
LAWRNCAV_115KV_TB1 80681	-98.02 3.15 81.95	-58.37 6.33 27.59	-48.11 2.77 34.47	-67.65 -0.54 70.43	-56.28 0.22 55.10	-27.99 1.97 16.85	-268.62 -1.14 274.50	-359.79 -0.72 363.13	-165.72 -0.38 167.54	-45.73 0.42 43.75	-56.09 0.33 54.53	-397.45 0.29 396.11	-422.66 0.53 420.24	-23.59 0.64 20.40	-23.61 2.10 13.31	-27.90 -0.39 30.05	-46.89 1.64 39.13	-30.18 0.98 25.33	-25.32 1.37 18.47	-34.63 0.25 33.39	-25.40 0.34 23.60	-13.19 0.95 8.29	-24.13 -0.49 26.38	-16.38 0.90 11.88
LEDERLE___ 23769	31.22 -0.65 -51.09	28.04 -1.24 -66.39	24.64 -0.57 -41.61	24.73 0.11 -21.30	25.81 -0.05 -27.26	25.62 -0.45 -39.18	23.78 0.25 -16.51	12.10 0.15 -7.90	14.55 0.10 -12.25	29.99 -0.05 -32.43	15.54 -0.08 -17.51	3.80 -0.09 -5.52	25.10 -0.18 -28.22	30.16 -0.23 -34.23	71.02 -0.67 -84.08	34.32 0.14 -31.63	35.40 -0.55 -45.35	31.06 -0.33 -37.21	47.90 -0.42 -56.54	29.31 -0.07 -30.87	29.02 -0.09 -31.25	24.55 -0.26 -30.67	23.65 0.12 -20.79	20.74 -0.22 -26.37
LIGHTHSE_115KV_TB6 355974	-14.91 0.42 -3.89	-30.30 0.87 -5.94	-11.84 0.38 -4.18	14.29 -0.06 -11.04	8.11 0.03 -9.48	-7.50 0.26 -5.35	44.84 -0.10 -37.93	53.52 -0.07 -49.53	26.66 -0.03 -24.48	-4.40 0.04 2.04	-4.35 0.06 2.51	12.33 0.05 -13.91	12.98 0.10 -15.82	-7.12 0.12 3.40	-10.42 0.38 -1.60	-3.88 -0.09 6.34	-9.61 0.32 0.53	-8.17 0.19 2.54	-8.90 0.22 0.89	1.79 0.03 -3.24	3.66 0.04 -5.76	-7.25 0.15 1.55	-2.81 -0.07 5.48	-9.35 0.14 4.08
LINDEN COGEN___ 23786	33.75 -0.66 -53.63	31.32 -1.26 -69.69	26.70 -0.58 -43.67	25.79 0.12 -22.36	27.17 -0.05 -28.62	27.56 -0.45 -41.13	29.53 0.26 -22.25	30.60 0.16 -26.39	35.34 0.11 -33.02	31.62 -0.02 -34.04	38.30 -0.09 -40.28	35.37 -0.10 -37.09	26.14 -0.19 -29.27	31.42 -0.25 -35.51	74.23 -0.68 -87.31	35.53 0.14 -32.84	37.16 -0.53 -47.09	32.50 -0.32 -38.64	50.09 -0.40 -58.72	30.50 -0.07 -32.05	30.22 -0.09 -32.46	25.73 -0.27 -31.84	24.46 0.13 -21.59	21.73 -0.24 -27.38
LINDHRST_69_KV_BK1 356055	33.23 -1.20 -53.66	30.03 -2.59 -69.72	26.09 -1.21 -43.70	25.94 0.26 -22.37	27.13 -0.10 -28.63	27.10 -0.93 -41.15	29.79 0.52 -22.25	31.70 0.32 -27.32	46.79 0.22 -44.37	31.53 -0.14 -34.06	42.15 -0.17 -44.21	45.38 -0.17 -47.17	32.28 -0.30 -35.52	31.55 -0.39 -35.77	74.70 -1.00 -88.11	41.02 0.23 -38.25	51.80 -0.86 -62.06	57.17 -0.54 -63.53	69.79 -0.70 -78.72	33.73 -0.12 -35.34	30.14 -0.18 -32.46	25.48 -0.52 -31.85	24.60 0.26 -21.60	21.57 -0.41 -27.39
LIPA_MISC_IPP 23656	33.19 -1.24 -53.66	29.86 -2.76 -69.72	25.99 -1.30 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.04 -0.99 -41.15	29.83 0.56 -22.25	31.72 0.34 -27.32	46.81 0.24 -44.37	31.51 -0.16 -34.06	75.61 -0.19 -77.69	117.96 -0.18 -119.77	34.97 -0.31 -38.23	32.09 -0.41 -36.34	82.80 -1.05 -96.25	96.82 0.25 -94.03	205.78 -0.93 -216.11	312.54 -0.56 -318.92	274.19 -0.73 -283.14	67.20 -0.13 -68.83	30.13 -0.19 -32.46	25.44 -0.56 -31.85	24.63 0.29 -21.60	21.54 -0.45 -27.40
LISF___SOLAR 323691	33.17 -1.27 -53.66	29.81 -2.81 -69.72	25.97 -1.33 -43.70	25.96 0.28 -22.37	27.13 -0.11 -28.63	27.02 -1.02 -41.15	29.84 0.57 -22.25	31.73 0.35 -27.32	46.82 0.24 -44.37	31.50 -0.16 -34.06	75.23 -0.19 -77.32	117.17 -0.19 -118.98	35.00 -0.32 -38.26	32.08 -0.42 -36.33	82.89 -1.07 -96.35	96.71 0.25 -93.91	205.05 -0.95 -215.39	310.62 -0.58 -317.02	272.05 -0.76 -281.04	66.82 -0.14 -68.45	30.12 -0.20 -32.46	25.43 -0.57 -31.85	24.63 0.30 -21.60	21.53 -0.46 -27.40
LITTLE FALLS___HYD 24013	-17.35 0.17 -1.70	-36.28 0.37 -0.46	-15.63 0.19 -0.57	3.27 -0.04 0.00	-1.39 0.01 0.00	-12.96 0.15 0.00	6.90 -0.12 0.00	4.02 -0.03 0.00	2.17 -0.04 0.00	-0.77 0.02 -1.61	0.02 0.03 -1.88	4.64 0.01 -6.25	3.61 0.03 -6.53	-2.38 0.08 -1.39	-11.01 0.27 -1.11	4.46 -0.08 -2.00	-7.72 0.21 -1.47	-4.35 0.08 -1.39	-6.90 0.07 -1.25	-0.89 0.02 -0.58	-2.10 0.04 0.00	-4.94 0.11 -0.80	4.34 -0.06 -1.65	-4.07 0.12 -1.22
LITTLRIV_115KV_TB1 356100	-100.61 2.96 84.36	-59.52 5.99 28.41	-49.28 2.61 35.49	-69.66 -0.50 72.47	-57.89 0.20 56.69	-28.61 1.85 17.35	-276.48 -1.07 282.43	-370.24 -0.68 373.62	-170.54 -0.36 172.39	-47.05 0.39 45.05	-57.72 0.31 56.14	-409.00 0.27 407.65	-434.93 0.50 432.49	-24.25 0.60 21.02	-24.13 2.00 13.74	-28.78 -0.37 30.96	-48.12 1.57 40.29	-30.99 0.93 26.10	-25.97 1.30 19.04	-35.63 0.24 34.38	-26.11 0.32 24.29	-13.51 0.89 8.55	-24.90 -0.47 27.17	-16.80 0.86 12.25
LI_NEWBRDGE___DRP 323616	33.65 -0.79 -53.66	30.88 -1.74 -69.72	26.48 -0.82 -43.70	25.86 0.18 -22.37	27.17 -0.06 -28.63	27.41 -0.63 -41.15	29.62 0.35 -22.25	31.58 0.21 -27.32	46.73 0.15 -44.37	31.59 -0.07 -34.06	38.92 -0.12 -40.94	38.32 -0.12 -40.07	32.09 -0.22 -35.26	31.59 -0.29 -35.72	74.22 -0.72 -87.33	35.57 0.17 -32.85	37.07 -0.63 -47.10	32.44 -0.39 -38.65	50.02 -0.49 -58.73	30.49 -0.08 -32.06	30.20 -0.12 -32.46	25.65 -0.36 -31.85	24.51 0.18 -21.60	21.71 -0.27 -27.39
LOCKPORT_115KV_TB60_63_64 80432	-12.20 -1.27 -8.29	-29.50 -2.32 -9.93	-11.14 -0.97 -6.22	6.68 0.18 -3.19	2.59 -0.09 -4.08	-7.95 -0.70 -5.86	10.05 0.22 -2.82	6.74 0.15 -2.53	6.49 0.05 -4.23	2.20 -0.25 -4.85	2.72 0.01 -4.60	1.94 0.03 -3.54	1.58 0.04 -4.49	1.65 0.05 -5.44	0.90 0.01 -13.28	7.60 0.06 -4.99	-2.27 -0.03 -7.16	0.10 0.05 -5.87	0.71 0.01 -8.92	3.37 -0.01 -4.87	2.78 -0.01 -4.93	-1.10 -0.09 -4.84	6.13 0.11 -3.28	-1.46 -0.21 -4.16
LOCKPORT___CC1 323769	-12.12 -1.23 -8.34	-29.37 -2.27 -10.01	-11.07 -0.94 -6.27	6.71 0.18 -3.21	2.63 -0.08 -4.11	-7.89 -0.68 -5.91	10.07 0.21 -2.84	6.75 0.15 -2.55	6.51 0.05 -4.26	2.25 -0.25 -4.89	2.75 0.01 -4.63	1.96 0.02 -3.56	1.62 0.04 -4.53	1.69 0.05 -5.48	1.00 0.02 -13.38	7.62 0.05 -5.03	-2.22 -0.03 -7.21	0.15 0.05 -5.92	0.79 0.02 -8.99	3.41 -0.01 -4.91	2.82 -0.01 -4.97	-1.05 -0.08 -4.88	6.15 0.10 -3.31	-1.42 -0.21 -4.19
LOCKPORT___CC2 323770	-12.12 -1.23 -8.34	-29.37 -2.27 -10.01	-11.07 -0.94 -6.27	6.71 0.18 -3.21	2.63 -0.08 -4.11	-7.89 -0.68 -5.91	10.07 0.21 -2.84	6.75 0.15 -2.55	6.51 0.05 -4.26	2.25 -0.25 -4.89	2.75 0.01 -4.63	1.96 0.02 -3.56	1.62 0.04 -4.53	1.69 0.05 -5.48	1.00 0.02 -13.38	7.62 0.05 -5.03	-2.22 -0.03 -7.21	0.15 0.05 -5.92	0.79 0.02 -8.99	3.41 -0.01 -4.91	2.82 -0.01 -4.97	-1.05 -0.08 -4.88	6.15 0.10 -3.31	-1.42 -0.21 -4.19
LOCKPORT___CC3 323771	-12.12 -1.23 -8.34	-29.37 -2.27 -10.01	-11.07 -0.94 -6.27	6.71 0.18 -3.21	2.63 -0.08 -4.11	-7.89 -0.68 -5.91	10.07 0.21 -2.84	6.75 0.15 -2.55	6.51 0.05 -4.26	2.25 -0.25 -4.89	2.75 0.01 -4.63	1.96 0.02 -3.56	1.62 0.04 -4.53	1.69 0.05 -5.48	1.00 0.02 -13.38	7.62 0.05 -5.03	-2.22 -0.03 -7.21	0.15 0.05 -5.92	0.79 0.02 -8.99	3.41 -0.01 -4.91	2.82 -0.01 -4.97	-1.05 -0.08 -4.88	6.15 0.10 -3.31	-1.42 -0.21 -4.19

LONG_LAKE_PHOENIX 24014	-14.23 0.01 -4.99	-31.03 0.05 -6.03	-12.33 0.04 -4.03	7.94 -0.01 -4.64	3.14 0.01 -4.53	-9.06 0.05 -4.01	19.63 -0.02 -12.63	20.07 -0.01 -16.03	11.33 -0.01 -9.13	-0.39 -0.01 -2.02	0.00 0.02 -1.88	6.63 0.01 -8.24	6.40 0.02 -9.32	-2.06 0.03 -1.76	-5.97 0.08 -6.35	3.46 -0.02 -0.93	-5.97 0.07 -3.36	-3.58 0.05 -2.20	-4.29 0.06 -3.88	1.73 0.01 -3.21	1.62 0.01 -3.76	-3.98 0.03 -1.83	3.08 -0.01 -0.36	-4.42 0.03 -0.96
LOVETT___3 23632	31.59 -0.51 -51.32	28.59 -0.99 -66.69	24.94 -0.46 -41.79	24.80 0.09 -21.40	25.95 -0.04 -27.39	25.89 -0.35 -39.36	23.75 0.20 -16.53	11.91 0.12 -7.73	13.97 0.08 -11.68	30.15 -0.03 -32.58	15.18 -0.07 -17.14	3.21 -0.08 -4.91	25.22 -0.15 -28.31	30.31 -0.19 -34.35	71.43 -0.56 -84.39	34.41 0.12 -31.75	35.65 -0.47 -45.51	31.25 -0.28 -37.35	48.18 -0.35 -56.75	29.43 -0.06 -30.98	29.15 -0.07 -31.37	24.71 -0.22 -30.78	23.71 0.10 -20.87	20.88 -0.18 -26.47
LOVETT___4 23642	31.59 -0.51 -51.32	28.59 -0.99 -66.69	24.94 -0.46 -41.79	24.80 0.09 -21.40	25.95 -0.04 -27.39	25.89 -0.35 -39.36	23.75 0.20 -16.53	11.91 0.12 -7.73	13.97 0.08 -11.68	30.15 -0.03 -32.58	15.18 -0.07 -17.14	3.21 -0.08 -4.91	25.22 -0.15 -28.31	30.31 -0.19 -34.35	71.43 -0.56 -84.39	34.41 0.12 -31.75	35.65 -0.47 -45.51	31.25 -0.28 -37.35	48.18 -0.35 -56.75	29.43 -0.06 -30.98	29.15 -0.07 -31.37	24.71 -0.22 -30.78	23.71 0.10 -20.87	20.88 -0.18 -26.47
LOVETT___5 23593	31.59 -0.51 -51.32	28.59 -0.99 -66.69	24.94 -0.46 -41.79	24.80 0.09 -21.40	25.95 -0.04 -27.39	25.89 -0.35 -39.36	23.75 0.20 -16.53	11.91 0.12 -7.73	13.97 0.08 -11.68	30.15 -0.03 -32.58	15.18 -0.07 -17.14	3.21 -0.08 -4.91	25.22 -0.15 -28.31	30.31 -0.19 -34.35	71.43 -0.56 -84.39	34.41 0.12 -31.75	35.65 -0.47 -45.51	31.25 -0.28 -37.35	48.18 -0.35 -56.75	29.43 -0.06 -30.98	29.15 -0.07 -31.37	24.71 -0.22 -30.78	23.71 0.10 -20.87	20.88 -0.18 -26.47
LOWER RAQUET___HYD 24057	-102.61 3.23 86.62	-59.78 6.51 29.18	-50.02 2.82 36.44	-71.64 -0.58 74.38	-59.37 0.22 58.20	-28.92 2.01 17.81	-284.03 -1.16 289.88	-380.15 -0.73 383.48	-175.12 -0.38 176.95	-48.23 0.43 46.27	-59.21 0.34 57.66	-419.83 0.29 418.50	-446.41 0.54 444.00	-24.78 0.66 21.60	-24.39 2.15 14.14	-29.67 -0.41 31.81	-49.11 1.67 41.39	-31.64 1.00 26.82	-26.40 1.41 19.57	-36.53 0.26 35.30	-26.73 0.35 24.93	-13.66 0.98 8.79	-25.68 -0.50 27.92	-17.07 0.93 12.59
LOWER___HUDSON 24059	51.16 -0.50 -70.88	54.02 -0.97 -92.10	40.90 -0.42 -57.72	32.96 0.09 -29.55	36.38 -0.04 -37.82	40.88 -0.36 -54.36	33.97 0.18 -26.78	30.10 0.08 -25.96	44.24 0.05 -41.98	42.54 -0.05 -44.99	38.16 -0.06 -40.12	29.61 -0.04 -31.28	33.68 -0.08 -36.70	40.54 -0.10 -44.48	95.61 -0.34 -108.35	43.33 0.06 -40.73	48.73 -0.27 -58.39	41.93 -0.16 -47.91	64.34 -0.25 -72.81	38.21 -0.05 -39.75	38.03 -0.07 -40.25	33.47 -0.17 -39.49	29.59 0.08 -26.77	28.40 -0.15 -33.96
LOWVILLE_115KV_TB2 356335	49.02 1.17 -67.07	-11.84 2.42 -22.85	10.91 1.07 -26.24	29.18 -0.17 -26.03	19.60 0.09 -20.92	-4.52 0.60 -8.00	104.89 -0.26 -98.13	133.27 -0.19 -129.40	62.90 -0.08 -60.77	48.33 0.14 -50.59	58.23 0.13 -60.00	172.23 0.11 -173.75	114.75 0.16 -117.53	-1.48 0.21 -2.15	-7.89 0.76 -3.75	15.94 -0.19 -13.59	26.56 0.58 -35.37	34.47 0.32 -39.97	27.89 0.50 -35.62	24.25 0.09 -25.65	8.03 0.09 -10.08	15.88 0.37 -21.36	47.43 -0.18 -44.87	25.85 0.36 -30.90
LUTHERFT_115KV_GLOB_FND_222 355753	52.17 -0.96 -72.35	55.09 -1.81 -94.00	41.73 -0.78 -58.91	33.64 0.16 -30.16	37.13 -0.07 -38.60	41.72 -0.65 -55.49	34.64 0.34 -27.28	30.54 0.18 -26.30	44.97 0.10 -42.66	43.41 -0.11 -45.92	38.76 -0.10 -40.75	29.99 -0.07 -31.69	34.29 -0.13 -37.37	41.28 -0.18 -45.29	97.35 -0.60 -110.35	44.15 0.12 -41.48	49.58 -0.48 -59.47	42.67 -0.30 -48.80	65.47 -0.45 -74.15	38.90 -0.08 -40.48	38.73 -0.12 -40.99	34.07 -0.30 -40.22	30.15 0.14 -27.27	28.91 -0.26 -34.58
LUTHERNY_35_KV_BK2 355980	52.15 -0.97 -72.35	55.04 -1.86 -94.00	41.72 -0.79 -58.91	33.65 0.17 -30.16	37.13 -0.07 -38.60	41.71 -0.66 -55.49	34.64 0.34 -27.28	30.54 0.18 -26.30	44.97 0.10 -42.66	43.41 -0.11 -45.92	38.76 -0.10 -40.75	29.99 -0.07 -31.69	34.29 -0.14 -37.37	41.28 -0.18 -45.29	97.32 -0.63 -110.35	44.16 0.14 -41.48	49.57 -0.49 -59.47	42.67 -0.31 -48.80	65.46 -0.46 -74.15	38.90 -0.08 -40.48	38.73 -0.12 -40.99	34.07 -0.30 -40.22	30.15 0.14 -27.27	28.91 -0.27 -34.58
LWR___OSWEGATCHIE_HYD 23850	-138.29 2.43 121.49	-73.30 4.90 41.08	-65.41 2.14 51.16	-101.03 -0.40 103.94	-82.59 0.17 81.36	-36.66 1.47 25.01	-398.63 -0.79 404.85	-532.00 -0.51 535.55	-245.23 -0.25 247.18	-67.15 0.31 65.06	-82.66 0.26 81.02	-587.21 0.22 585.80	-624.04 0.39 621.49	-33.94 0.49 30.59	-31.07 1.63 20.31	-42.75 -0.33 44.97	-66.41 1.27 58.28	-42.95 0.75 37.88	-34.99 1.06 27.82	-50.84 0.19 49.53	-36.84 0.24 34.94	-17.68 0.74 12.57	-37.05 -0.38 39.41	-22.65 0.71 17.94
LYONS_FALL_HYD 23570	-3.57 0.62 -15.03	-28.12 1.33 -7.66	-8.09 0.58 -7.73	20.13 -0.10 -16.91	12.35 0.05 -13.71	-7.22 0.31 -5.59	69.91 -0.12 -63.01	86.96 -0.09 -83.00	41.39 -0.03 -39.22	3.54 0.07 -5.87	5.45 0.07 -7.27	123.46 0.06 -125.03	167.42 0.08 -170.28	18.22 0.11 -21.95	7.68 0.42 -19.66	26.94 -0.11 -24.50	3.48 0.31 -12.57	-2.92 0.16 -2.74	-5.35 0.27 -2.60	5.60 0.05 -7.04	4.75 0.05 -6.85	-5.07 0.20 -0.58	3.93 -0.10 -1.29	-5.43 0.20 0.22
MADISON___COUNTY_LFGE 323628	-8.64 -0.36 -10.94	-31.14 -0.62 -6.59	-11.03 -0.25 -5.62	8.80 0.05 -5.44	3.50 -0.02 -4.92	-9.90 -0.23 -3.45	24.31 0.14 -17.16	26.33 0.08 -22.19	13.78 0.04 -11.52	4.92 -0.07 -7.38	6.46 -0.03 -8.38	33.79 -0.02 -35.44	34.74 -0.04 -37.73	2.00 -0.06 -5.90	-4.23 -0.14 -8.32	9.91 0.03 -7.33	-1.67 -0.12 -7.85	0.46 -0.09 -6.37	-1.32 -0.11 -7.01	3.50 -0.02 -5.01	1.28 -0.03 -3.46	-2.01 -0.08 -3.92	8.57 0.03 -5.80	-0.91 -0.06 -4.56
MALONE___115KV_TB1 356076	-86.23 2.59 69.59	-55.29 5.19 23.37	-43.35 2.31 29.26	-57.08 -0.44 59.96	-48.11 0.18 46.89	-25.80 1.62 14.30	-227.67 -0.92 233.77	-305.81 -0.60 309.26	-140.78 -0.33 142.66	-39.16 0.33 37.09	-47.86 0.29 46.25	-338.23 0.24 336.84	-359.85 0.46 357.37	-20.46 0.60 17.22	-21.57 1.96 11.13	-23.23 -0.38 25.39	-41.14 1.40 33.14	-26.32 0.91 21.41	-22.53 1.24 15.55	-29.63 0.22 28.35	-21.90 0.30 20.05	-11.95 0.85 6.95	-19.98 -0.42 22.30	-14.62 0.77 9.98
MAPLEWOD_115KV_TB3 80458	50.81 -0.38 -70.41	53.66 -0.72 -91.49	40.63 -0.31 -57.34	32.74 0.07 -29.35	36.14 -0.03 -37.57	40.61 -0.27 -54.00	33.75 0.14 -26.60	29.88 0.06 -25.76	43.95 0.04 -41.70	42.26 -0.03 -44.69	37.93 -0.06 -39.87	29.42 -0.04 -31.08	33.47 -0.07 -36.49	40.29 -0.10 -44.22	95.01 -0.33 -107.73	43.10 0.06 -40.49	48.41 -0.25 -58.06	41.67 -0.15 -47.64	63.95 -0.22 -72.40	37.98 -0.04 -39.52	37.81 -0.06 -40.02	33.27 -0.14 -39.26	29.43 0.07 -26.62	28.24 -0.12 -33.76
MAPLE RIDGE_WT_1 323574	-21.59 1.26 3.62	-36.53 1.94 1.36	-17.33 0.71 1.64	-0.72 -0.11 3.92	-4.43 0.05 3.08	-13.65 0.46 0.99	-8.30 -0.13 15.19	-16.15 -0.12 20.08	-7.15 -0.06 9.30	-3.79 0.14 1.54	-3.82 0.05 1.98	-19.87 0.06 18.30	-22.27 0.17 19.48	-3.99 0.23 0.38	-11.85 0.78 0.23	1.84 -0.15 0.56	-10.22 0.57 1.39	-6.22 0.26 0.66	-8.25 0.37 0.39	-2.99 0.06 1.56	-3.43 0.07 1.35	-5.64 0.25 0.05	2.07 -0.13 0.54	-5.14 0.27 0.00

MAPLE RIDGE_WT_2 323611	-21.59 1.26 3.62	-36.53 1.94 1.36	-17.33 0.71 1.64	-0.72 -0.11 3.92	-4.43 0.05 3.08	-13.65 0.46 0.99	-8.30 -0.13 15.19	-16.15 -0.12 20.08	-7.15 -0.06 9.30	-3.79 0.14 1.54	-3.82 0.05 1.98	-19.87 0.06 18.30	-22.27 0.17 19.48	-3.99 0.23 0.38	-11.85 0.78 0.23	1.84 -0.15 0.56	-10.22 0.57 1.39	-6.22 0.26 0.66	-8.25 0.37 0.39	-2.99 0.06 1.56	-3.43 0.07 1.35	-5.64 0.25 0.05	2.07 -0.13 0.54	-5.14 0.27 0.00
MARBLE_RIVER_WT_PWR 323696	-78.16 2.51 61.44	-52.67 5.03 20.59	-40.01 2.21 25.82	-50.20 -0.47 53.04	-42.71 0.17 41.47	-24.19 1.55 12.62	-200.77 -0.90 206.89	-270.26 -0.60 273.71	-124.37 -0.34 126.24	-34.76 0.33 32.70	-42.39 0.30 40.79	-299.11 0.24 297.73	-318.35 0.47 315.88	-18.33 0.62 15.11	-20.07 2.01 9.69	-20.18 -0.41 22.31	-37.21 1.38 29.19	-23.71 0.94 18.83	-20.58 1.28 13.62	-26.30 0.22 25.02	-19.55 0.31 17.71	-11.02 0.90 6.07	-17.29 -0.42 19.62	-13.37 0.76 8.73
MARSHVLE_115KV_TB1 80742	66.62 -1.39 -87.24	73.45 -2.79 -113.35	53.40 -1.24 -71.04	39.94 0.26 -36.37	45.05 -0.10 -46.55	52.78 -1.00 -66.90	40.17 0.55 -32.60	34.92 0.30 -30.56	52.55 0.18 -50.16	52.81 -0.16 -55.37	45.99 -0.13 -48.01	35.06 -0.10 -36.78	41.61 -0.14 -44.69	50.16 -0.17 -54.17	119.05 -0.56 -132.01	52.33 0.17 -49.62	61.32 -0.43 -71.14	52.22 -0.33 -58.38	79.94 -0.54 -88.71	46.84 -0.10 -48.42	46.75 -0.14 -49.04	41.89 -0.37 -48.11	35.53 0.17 -32.62	35.62 -0.34 -41.37
MARSH_HILL_WT_PWR 323713	-1.57 -0.37 -18.02	-24.25 -0.67 -13.53	-8.19 -0.27 -8.48	7.69 0.04 -4.34	4.13 -0.03 -5.55	-5.39 -0.26 -7.99	10.98 0.13 -3.84	7.57 0.07 -3.45	7.98 0.02 -5.76	4.06 -0.15 -6.61	4.45 0.08 -6.26	3.27 0.08 -4.82	3.30 0.12 -6.11	3.71 0.13 -7.41	5.99 0.30 -18.09	9.30 -0.04 -6.80	0.73 0.38 -9.75	2.41 0.23 -8.00	4.24 0.31 -12.16	5.20 0.05 -6.64	4.63 0.05 -6.72	0.83 0.09 -6.59	7.19 -0.02 -4.47	0.25 0.00 -5.67
MCINTYRE_115KV_TB2 80467	-97.19 2.75 80.72	-58.68 5.60 27.17	-47.92 2.43 33.96	-66.54 -0.47 69.38	-55.49 0.19 54.28	-28.01 1.71 16.59	-264.43 -1.01 270.44	-354.35 -0.64 357.77	-163.20 -0.34 165.06	-45.11 0.37 43.09	-55.30 0.30 53.70	-391.57 0.26 390.21	-416.45 0.48 413.98	-23.34 0.58 20.08	-23.60 1.90 13.09	-27.37 -0.34 29.58	-46.43 1.50 38.53	-29.90 0.87 24.94	-25.19 1.22 18.18	-34.16 0.22 32.89	-25.09 0.30 23.24	-13.17 0.83 8.15	-23.67 -0.44 25.97	-16.29 0.80 11.69
MECO____69_KV_BK1 80468	61.72 -1.73 -82.68	66.93 -3.39 -107.43	49.43 -1.50 -67.33	38.09 0.31 -34.47	42.59 -0.12 -44.11	49.08 -1.21 -63.40	38.65 0.67 -30.97	33.66 0.37 -29.23	50.30 0.25 -47.84	49.91 -0.17 -52.48	43.74 -0.13 -45.77	33.37 -0.20 -35.19	39.33 -0.16 -42.44	47.52 -0.08 -51.44	112.51 -0.43 -125.34	49.98 0.32 -47.12	57.93 -0.22 -67.55	49.08 -0.53 -55.43	75.10 -0.91 -84.23	44.35 -0.15 -45.98	44.22 -0.19 -46.56	39.31 -0.52 -45.68	33.95 0.24 -30.97	33.42 -0.45 -39.28
MENANDS__115KV_TB5 355628	50.79 -0.23 -70.24	53.71 -0.45 -91.27	40.61 -0.19 -57.20	32.65 0.05 -29.28	36.06 -0.02 -37.48	40.57 -0.18 -53.87	33.64 0.09 -26.54	29.80 0.04 -25.71	43.85 0.03 -41.61	42.18 -0.02 -44.58	37.86 -0.04 -39.79	29.37 -0.03 -31.03	33.41 -0.06 -36.41	40.22 -0.07 -44.13	94.86 -0.25 -107.51	43.00 0.04 -40.41	48.35 -0.19 -57.94	41.61 -0.11 -47.54	63.86 -0.16 -72.24	37.91 -0.03 -39.44	37.75 -0.04 -39.93	33.23 -0.10 -39.18	29.35 0.05 -26.56	28.20 -0.08 -33.69
MG INDUSTRY__DRP 24185	48.85 -0.34 -68.42	51.12 -0.67 -88.90	39.02 -0.29 -55.72	31.90 0.07 -28.52	35.08 -0.03 -36.51	39.09 -0.26 -52.47	32.93 0.13 -25.78	28.94 0.07 -24.81	42.61 0.04 -40.37	41.00 -0.04 -43.43	36.79 -0.05 -38.73	28.47 -0.03 -30.13	32.58 -0.06 -35.59	39.22 -0.08 -43.14	92.43 -0.27 -105.10	42.10 0.05 -39.50	47.03 -0.21 -56.64	40.53 -0.13 -46.48	62.21 -0.19 -70.62	37.03 -0.04 -38.55	36.84 -0.05 -39.04	32.32 -0.13 -38.30	28.77 0.06 -25.97	27.42 -0.11 -32.94
MID__OSWEGATCHIE_HYD 23849	-138.29 2.43 121.49	-73.30 4.90 41.08	-65.41 2.14 51.16	-101.03 -0.40 103.94	-82.59 0.17 81.36	-36.66 1.47 25.01	-398.63 -0.79 404.85	-532.00 -0.51 535.55	-245.23 -0.25 247.18	-67.15 0.31 65.06	-82.66 0.26 81.02	-587.21 0.22 585.80	-624.04 0.39 621.49	-33.94 0.49 30.59	-31.07 1.63 20.31	-42.75 -0.33 44.97	-66.41 1.27 58.28	-42.95 0.75 37.88	-34.99 1.06 27.82	-50.84 0.19 49.53	-36.84 0.24 34.94	-17.68 0.74 12.57	-37.05 -0.38 39.41	-22.65 0.71 17.94
MID__RAQUETTE_HYD 23851	-102.61 3.23 86.62	-59.81 6.49 29.18	-50.01 2.83 36.44	-71.61 -0.55 74.38	-59.37 0.23 58.20	-28.91 2.02 17.81	-284.03 -1.16 289.88	-380.15 -0.73 383.48	-175.12 -0.38 176.95	-48.24 0.42 46.27	-59.21 0.34 57.66	-419.83 0.29 418.50	-446.41 0.54 444.00	-24.79 0.65 21.60	-24.38 2.16 14.14	-29.67 -0.40 31.81	-49.12 1.67 41.39	-31.64 1.00 26.82	-26.40 1.41 19.57	-36.53 0.26 35.30	-26.73 0.34 24.93	-13.67 0.97 8.79	-25.68 -0.50 27.92	-17.08 0.93 12.59
MILLIKEN__1 23584	-9.74 -0.64 -10.12	-25.18 -1.22 -13.15	-8.70 -0.54 -8.24	7.64 0.10 -4.22	3.96 -0.04 -5.40	-5.74 -0.38 -7.76	10.97 0.22 -3.73	7.55 0.14 -3.35	7.88 0.07 -5.60	3.93 -0.10 -6.42	4.17 -0.03 -6.09	3.04 -0.03 -4.69	2.95 -0.06 -5.96	3.30 -0.08 -7.22	4.93 -0.29 -17.62	9.24 0.07 -6.62	-0.11 -0.21 -9.49	1.83 -0.14 -7.79	3.43 -0.18 -11.84	4.94 -0.04 -6.46	4.35 -0.05 -6.54	0.42 -0.15 -6.42	7.17 0.08 -4.35	-0.02 -0.13 -5.52
MILLIKEN__2 23585	-9.74 -0.64 -10.12	-25.18 -1.22 -13.15	-8.70 -0.54 -8.24	7.64 0.10 -4.22	3.96 -0.04 -5.40	-5.74 -0.38 -7.76	10.97 0.22 -3.73	7.55 0.14 -3.35	7.88 0.07 -5.60	3.93 -0.10 -6.42	4.17 -0.03 -6.09	3.04 -0.03 -4.69	2.95 -0.06 -5.96	3.30 -0.08 -7.22	4.93 -0.29 -17.62	9.24 0.07 -6.62	-0.11 -0.21 -9.49	1.83 -0.14 -7.79	3.43 -0.18 -11.84	4.94 -0.04 -6.46	4.35 -0.05 -6.54	0.42 -0.15 -6.42	7.17 0.08 -4.35	-0.02 -0.13 -5.52
MILLIKEN__DIESEL 23629	-9.74 -0.64 -10.12	-25.18 -1.22 -13.15	-8.70 -0.54 -8.24	7.64 0.10 -4.22	3.96 -0.04 -5.40	-5.74 -0.38 -7.76	10.97 0.22 -3.73	7.55 0.14 -3.35	7.88 0.07 -5.60	3.93 -0.10 -6.42	4.17 -0.03 -6.09	3.04 -0.03 -4.69	2.95 -0.06 -5.96	3.30 -0.08 -7.22	4.93 -0.29 -17.62	9.24 0.07 -6.62	-0.11 -0.21 -9.49	1.83 -0.14 -7.79	3.43 -0.18 -11.84	4.94 -0.04 -6.46	4.35 -0.05 -6.54	0.42 -0.15 -6.42	7.17 0.08 -4.35	-0.02 -0.13 -5.52
MILLSEAT__LFGE 323607	-12.65 -1.52 -8.09	-30.30 -2.79 -9.59	-11.56 -1.17 -6.01	6.62 0.23 -3.08	2.44 -0.10 -3.94	-8.32 -0.86 -5.66	10.07 0.34 -2.72	6.72 0.22 -2.44	6.38 0.09 -4.08	2.02 -0.27 -4.69	2.52 -0.02 -4.44	1.79 -0.01 -3.42	1.37 -0.02 -4.34	1.39 -0.04 -5.26	0.21 -0.22 -12.83	7.46 0.09 -4.82	-2.67 -0.19 -6.91	-0.21 -0.07 -5.67	0.25 -0.15 -8.62	3.17 -0.04 -4.71	2.57 -0.05 -4.77	-1.36 -0.18 -4.68	6.06 0.15 -3.17	-1.67 -0.28 -4.02
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	33.20 -0.66 -53.08	30.60 -1.26 -68.97	26.25 -0.57 -43.22	25.56 0.12 -22.13	26.87 -0.05 -28.32	27.13 -0.46 -40.71	29.47 0.26 -22.20	31.95 0.15 -27.74	48.44 0.10 -46.14	31.25 -0.05 -33.69	39.42 -0.08 -41.39	37.13 -0.09 -38.84	25.92 -0.18 -29.04	31.17 -0.23 -35.24	73.73 -0.65 -86.78	35.33 0.14 -32.65	36.88 -0.52 -46.81	32.27 -0.31 -38.41	49.74 -0.40 -58.37	30.30 -0.07 -31.86	30.03 -0.09 -32.26	25.54 -0.26 -31.65	24.33 0.12 -21.46	21.59 -0.22 -27.22

MILLWOOD_13_KV_LOAD 356217	33.13 -0.72 -53.08	30.48 -1.38 -68.97	26.19 -0.64 -43.22	25.57 0.12 -22.13	26.87 -0.05 -28.32	27.09 -0.49 -40.71	29.50 0.28 -22.20	31.97 0.17 -27.74	48.45 0.11 -46.14	31.24 -0.05 -33.69	39.41 -0.09 -41.39	37.12 -0.10 -38.84	25.91 -0.19 -29.04	31.15 -0.24 -35.24	73.68 -0.70 -86.78	35.34 0.15 -32.65	36.85 -0.56 -46.81	32.25 -0.34 -38.41	49.71 -0.43 -58.37	30.30 -0.07 -31.86	30.02 -0.10 -32.26	25.52 -0.28 -31.65	24.33 0.13 -21.46	21.57 -0.24 -27.22
MODEL_CITY_ENERGY 24167	-11.94 -1.11 -8.40	-29.02 -2.03 -10.11	-10.89 -0.84 -6.34	6.72 0.16 -3.25	2.68 -0.07 -4.15	-7.74 -0.60 -5.97	10.03 0.14 -2.87	6.75 0.12 -2.58	6.55 0.04 -4.30	2.31 -0.23 -4.94	2.83 0.04 -4.68	2.02 0.05 -3.60	1.70 0.07 -4.57	1.80 0.09 -5.54	1.29 0.16 -13.53	7.68 0.05 -5.08	-2.04 0.07 -7.29	0.28 0.12 -5.98	0.97 0.11 -9.09	3.47 0.00 -4.96	2.90 0.02 -5.03	-0.93 -0.01 -4.93	6.17 0.09 -3.34	-1.32 -0.15 -4.24
MODERN_LFGE_ 323580	-11.94 -1.11 -8.40	-29.02 -2.03 -10.11	-10.89 -0.84 -6.34	6.72 0.16 -3.25	2.68 -0.07 -4.15	-7.74 -0.60 -5.97	10.03 0.14 -2.87	6.75 0.12 -2.58	6.55 0.04 -4.30	2.31 -0.23 -4.94	2.83 0.04 -4.68	2.02 0.05 -3.60	1.70 0.07 -4.57	1.80 0.09 -5.54	1.29 0.16 -13.53	7.68 0.05 -5.08	-2.04 0.07 -7.29	0.28 0.12 -5.98	0.97 0.11 -9.09	3.47 0.00 -4.96	2.90 0.02 -5.03	-0.93 -0.01 -4.93	6.17 0.09 -3.34	-1.32 -0.15 -4.24
MOHAWK_PAPER___DRP 24187	50.81 -0.38 -70.41	53.66 -0.72 -91.49	40.63 -0.31 -57.34	32.74 0.07 -29.35	36.14 -0.03 -37.57	40.61 -0.27 -54.00	33.75 0.14 -26.60	29.88 0.06 -25.76	43.95 0.04 -41.70	42.26 -0.03 -44.69	37.93 -0.06 -39.87	29.42 -0.04 -31.08	33.47 -0.07 -36.49	40.29 -0.10 -44.22	95.01 -0.33 -107.73	43.10 0.06 -40.49	48.41 -0.25 -58.06	41.67 -0.15 -47.64	63.95 -0.22 -72.40	37.98 -0.04 -39.52	37.81 -0.06 -40.02	33.27 -0.14 -39.26	29.43 0.07 -26.62	28.24 -0.12 -33.76
MOHICAN__35_KV_115KV_LD 80490	51.92 -1.28 -72.43	54.71 -2.29 -94.11	41.58 -0.99 -58.98	33.72 0.21 -30.19	37.15 -0.09 -38.64	41.59 -0.83 -55.54	34.76 0.44 -27.31	30.61 0.23 -26.32	45.02 0.12 -42.69	43.43 -0.15 -45.97	38.77 -0.12 -40.79	30.00 -0.08 -31.71	34.32 -0.14 -37.41	41.31 -0.20 -45.34	97.37 -0.69 -110.45	44.21 0.15 -41.52	49.51 -0.61 -59.52	42.64 -0.39 -48.84	65.40 -0.60 -74.22	38.92 -0.11 -40.52	38.73 -0.15 -41.03	34.01 -0.40 -40.25	30.20 0.17 -27.30	28.87 -0.34 -34.62
MONGAUP___HYD 23641	27.94 -0.64 -47.81	23.77 -1.23 -62.12	21.93 -0.61 -38.93	23.36 0.12 -19.93	24.06 -0.04 -25.51	23.12 -0.42 -36.66	23.19 0.23 -15.94	13.51 0.14 -9.31	19.30 0.09 -17.01	27.90 -0.05 -30.34	18.63 -0.05 -20.58	9.22 -0.05 -10.90	23.81 -0.10 -26.86	28.63 -0.10 -32.57	67.11 -0.32 -79.82	32.63 0.07 -30.02	33.40 -0.24 -43.04	29.34 -0.15 -35.32	45.21 -0.23 -53.66	27.77 -0.03 -29.30	27.45 -0.07 -29.66	23.04 -0.21 -29.10	22.58 0.10 -19.73	19.40 -0.22 -25.03
MONTAUK___DIESEL 23721	32.07 -2.37 -53.66	27.73 -4.89 -69.72	25.09 -2.21 -43.70	26.14 0.46 -22.37	27.05 -0.18 -28.63	26.30 -1.73 -41.15	30.23 0.96 -22.25	31.98 0.60 -27.32	46.95 0.38 -44.37	31.33 -0.33 -34.06	75.37 -0.33 -77.59	117.65 -0.29 -119.56	34.79 -0.51 -38.24	31.81 -0.69 -36.34	81.94 -1.96 -96.30	97.02 0.44 -94.05	204.97 -1.64 -216.01	311.75 -0.93 -318.50	273.12 -1.25 -282.59	66.99 -0.24 -68.72	29.98 -0.34 -32.46	25.03 -0.97 -31.85	24.83 0.49 -21.60	21.17 -0.82 -27.40
MOONROAD_115KV_HARTFLD_TB1-2 355988	-10.35 -0.73 -9.61	-27.41 -1.86 -11.56	-9.85 -0.70 -7.24	7.15 0.12 -3.71	3.26 -0.08 -4.75	-6.93 -0.64 -6.82	10.50 0.20 -3.28	7.13 0.13 -2.95	7.16 0.03 -4.92	3.10 -0.15 -5.65	3.50 0.04 -5.35	2.54 0.05 -4.12	2.38 0.09 -5.23	2.61 0.11 -6.34	3.21 0.15 -15.46	8.38 0.02 -5.81	-0.90 0.17 -8.33	1.16 0.15 -6.84	2.31 0.15 -10.39	4.19 0.01 -5.67	3.58 -0.02 -5.74	-0.31 -0.09 -5.63	6.65 0.09 -3.82	-0.77 -0.21 -4.85
MORTIMER_115KV_TB3 55949	-12.90 -0.91 -7.24	-30.55 -1.64 -8.20	-11.94 -0.68 -5.14	6.08 0.13 -2.63	1.91 -0.06 -3.37	-8.77 -0.49 -4.84	9.55 0.21 -2.33	6.27 0.13 -2.09	5.75 0.05 -3.49	1.44 -0.17 -4.01	1.87 -0.04 -3.80	1.28 -0.01 -2.92	0.75 -0.02 -3.71	0.64 -0.03 -4.50	-1.60 -0.17 -10.97	6.69 0.02 -4.12	-3.65 -0.16 -5.91	-1.02 -0.06 -4.85	-0.96 -0.10 -7.37	2.51 -0.02 -4.03	1.89 -0.04 -4.08	-1.98 -0.13 -4.00	5.53 0.08 -2.71	-2.15 -0.18 -3.44
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	33.62 -0.79 -53.63	31.06 -1.52 -69.69	26.59 -0.69 -43.68	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.47 -0.55 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.28 -0.10 -40.28	35.35 -0.11 -37.08	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.09 -0.60 -47.09	32.46 -0.36 -38.64	50.03 -0.46 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.68 -0.31 -31.84	24.48 0.14 -21.59	21.71 -0.27 -27.38
MUNSVILLE_WIND_PWR 323609	-5.92 -1.31 -14.61	-20.52 -2.80 -19.39	-5.59 -1.34 -12.15	9.78 0.24 -6.22	6.46 -0.09 -7.96	-2.63 -0.96 -11.44	13.07 0.56 -5.50	9.34 0.34 -4.94	10.64 0.18 -8.25	6.83 -0.24 -9.47	7.07 -0.12 -9.08	5.28 -0.10 -7.01	5.79 -0.16 -8.90	6.78 -0.17 -10.78	13.42 -0.49 -26.31	12.55 0.11 -9.89	4.23 -0.56 -14.18	5.40 -0.42 -11.64	8.92 -0.54 -17.68	8.06 -0.11 -9.65	7.50 -0.14 -9.78	3.37 -0.37 -9.59	9.42 0.17 -6.50	2.58 -0.25 -8.25
N SALMON___HYD 24042	-86.23 2.59 69.59	-55.26 5.23 23.37	-43.37 2.30 29.26	-57.12 -0.48 59.96	-48.12 0.17 46.89	-25.81 1.60 14.30	-227.67 -0.92 233.77	-305.81 -0.60 309.26	-140.78 -0.33 142.66	-39.15 0.33 37.09	-47.85 0.29 46.25	-338.22 0.24 336.84	-359.85 0.46 357.37	-20.46 0.60 17.22	-21.58 1.95 11.13	-23.22 -0.38 25.39	-41.14 1.40 33.14	-26.32 0.91 21.41	-22.53 1.24 15.55	-29.63 0.22 28.35	-21.90 0.30 20.05	-11.94 0.86 6.95	-19.98 -0.42 22.30	-14.62 0.77 9.98
N.AKRON__115KV_KNAPP 355671	-12.55 -1.50 -8.17	-30.13 -2.74 -9.73	-11.46 -1.15 -6.10	6.65 0.22 -3.12	2.49 -0.10 -3.99	-8.22 -0.85 -5.74	10.09 0.32 -2.76	6.74 0.21 -2.48	6.43 0.09 -4.14	2.08 -0.27 -4.75	2.59 -0.02 -4.50	1.84 0.00 -3.46	1.45 -0.01 -4.40	1.48 -0.02 -5.33	0.45 -0.16 -13.01	7.52 0.09 -4.89	-2.55 -0.16 -7.01	-0.11 -0.04 -5.75	0.41 -0.11 -8.74	3.25 -0.03 -4.77	2.65 -0.04 -4.83	-1.28 -0.17 -4.74	6.10 0.14 -3.21	-1.61 -0.28 -4.08
N.BELMOR_69_KV_BK1 55787	33.44 -1.00 -53.66	30.53 -2.09 -69.72	26.33 -0.97 -43.70	25.89 0.20 -22.37	27.15 -0.08 -28.63	27.28 -0.75 -41.15	29.69 0.41 -22.25	31.61 0.24 -27.32	46.74 0.16 -44.37	31.57 -0.09 -34.06	38.91 -0.14 -40.94	38.31 -0.14 -40.07	32.06 -0.25 -35.26	31.55 -0.33 -35.72	74.07 -0.86 -87.33	35.60 0.20 -32.85	36.98 -0.72 -47.10	32.37 -0.46 -38.65	49.92 -0.59 -58.73	30.47 -0.10 -32.06	30.18 -0.14 -32.46	25.59 -0.42 -31.85	24.54 0.21 -21.60	21.65 -0.33 -27.39
N.E_GEN_SANDY PD 24062	43.79 -0.35 -63.36	44.02 -0.69 -81.81	34.57 -0.30 -51.27	29.64 0.07 -26.25	32.17 -0.03 -33.60	35.39 -0.26 -48.77	31.76 0.13 -24.61	29.18 0.06 -25.06	43.16 0.04 -40.91	37.51 -0.02 -39.93	36.04 -0.06 -37.99	27.79 -0.05 -29.46	30.19 -0.08 -33.22	36.15 -0.10 -40.10	85.33 -0.35 -98.08	38.76 0.06 -36.15	43.15 -0.28 -52.83	37.36 -0.17 -43.35	57.42 -0.23 -65.87	34.04 -0.04 -35.57	33.38 -0.06 -35.58	29.59 -0.16 -35.60	27.03 0.07 -24.22	25.46 -0.14 -31.01

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	31.41 -0.57 -51.21	28.34 -1.09 -66.54	24.79 -0.51 -41.70	24.76 0.10 -21.35	25.88 -0.04 -27.32	25.76 -0.39 -39.27	23.76 0.22 -16.52	12.00 0.14 -7.81	14.27 0.09 -11.97	30.07 -0.03 -32.50	15.36 -0.07 -17.33	3.51 -0.08 -5.22	25.16 -0.16 -28.27	30.24 -0.21 -34.29	71.23 -0.61 -84.24	34.36 0.13 -31.69	35.53 -0.50 -45.43	31.16 -0.30 -37.28	48.04 -0.38 -56.65	29.37 -0.06 -30.92	29.09 -0.08 -31.31	24.64 -0.24 -30.72	23.68 0.11 -20.83	20.81 -0.20 -26.42
N.QUEENS_27_KV_LOAD 356247	33.51 -0.89 -53.63	30.89 -1.69 -69.69	26.50 -0.78 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.63 0.22 -27.35	46.84 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.08 -0.83 -87.31	35.57 0.19 -32.84	37.04 -0.65 -47.09	32.43 -0.39 -38.64	50.00 -0.49 -58.72	30.47 -0.09 -32.05	30.20 -0.11 -32.46	25.65 -0.34 -31.84	24.48 0.15 -21.59	21.67 -0.30 -27.38
N.TROY___115KV_TB1 355778	51.16 -0.50 -70.88	54.02 -0.97 -92.10	40.90 -0.42 -57.72	32.96 0.09 -29.55	36.38 -0.04 -37.82	40.88 -0.36 -54.36	33.97 0.18 -26.78	30.10 0.08 -25.96	44.24 0.05 -41.98	42.54 -0.05 -44.99	38.16 -0.06 -40.12	29.61 -0.04 -31.28	33.68 -0.08 -36.70	40.54 -0.10 -44.48	95.61 -0.35 -108.35	43.33 0.06 -40.73	48.72 -0.27 -58.39	41.93 -0.16 -47.91	64.34 -0.25 -72.81	38.21 -0.05 -39.75	38.03 -0.07 -40.25	33.46 -0.17 -39.49	29.59 0.08 -26.77	28.40 -0.15 -33.96
NARROWS_GT1_1 24228	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_2 24229	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_3 24230	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_4 24231	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_5 24232	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_6 24233	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_7 24234	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT1_8 24235	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_1 24236	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_2 24237	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_3 24238	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_4 24239	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39

NARROWS_GT2_5 24240	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_6 24241	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_7 24242	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NARROWS_GT2_8 24243	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	45.45 -0.66 -65.34	46.55 -1.25 -84.90	36.28 -0.53 -53.21	30.67 0.12 -27.24	33.42 -0.05 -34.87	36.53 -0.46 -50.11	31.79 0.25 -24.53	27.51 0.14 -23.31	40.53 0.09 -38.23	39.00 -0.08 -41.47	35.00 -0.08 -36.97	26.93 -0.04 -28.60	31.25 -0.08 -34.28	37.61 -0.11 -41.55	88.47 -0.40 -101.27	40.70 0.08 -38.07	44.86 -0.31 -54.58	38.76 -0.20 -44.78	59.49 -0.34 -68.05	35.59 -0.07 -37.15	35.38 -0.09 -37.62	30.82 -0.24 -36.91	27.88 0.12 -25.02	26.14 -0.19 -31.74
NCHELSEA_115KV_TR2 355582	34.37 -0.79 -54.38	32.06 -1.49 -70.66	27.22 -0.66 -44.29	26.13 0.14 -22.67	27.56 -0.05 -29.02	28.06 -0.54 -41.71	27.88 0.31 -20.56	24.20 0.18 -19.95	32.39 0.11 -30.07	32.05 -0.07 -34.52	28.77 -0.10 -30.76	21.59 -0.10 -23.31	26.45 -0.19 -29.59	31.78 -0.25 -35.87	74.36 -0.77 -87.53	35.62 0.17 -32.91	37.17 -0.61 -47.18	32.52 -0.38 -38.71	50.11 -0.49 -58.83	30.54 -0.08 -32.11	30.26 -0.11 -32.52	25.74 -0.32 -31.90	24.52 0.15 -21.63	21.76 -0.27 -27.44
NEG CAPITAL___MECHNVIL 23645	51.76 -0.91 -71.90	54.59 -1.73 -93.42	41.40 -0.75 -58.55	33.44 0.15 -29.97	36.90 -0.07 -38.36	41.40 -0.62 -55.14	34.47 0.32 -27.13	30.43 0.17 -26.20	44.76 0.10 -42.45	43.13 -0.11 -45.63	38.56 -0.10 -40.56	29.86 -0.07 -31.56	34.08 -0.13 -37.16	41.03 -0.18 -45.04	96.73 -0.60 -109.73	43.91 0.12 -41.25	49.25 -0.48 -59.14	42.40 -0.30 -48.52	65.06 -0.45 -73.74	38.68 -0.08 -40.25	38.50 -0.11 -40.76	33.85 -0.29 -39.99	29.99 0.13 -27.11	28.73 -0.25 -34.39
NEG CENTRAL_HIGH_ACRES 23767	-12.89 -0.43 -6.76	-29.86 -0.73 -7.98	-11.68 -0.28 -5.00	5.93 0.05 -2.56	1.85 -0.02 -3.28	-8.58 -0.17 -4.71	9.35 0.07 -2.26	6.13 0.05 -2.03	5.61 0.01 -3.40	1.41 -0.10 -3.90	1.80 0.00 -3.69	1.23 0.01 -2.84	0.69 0.03 -3.61	0.57 0.03 -4.37	-1.70 0.02 -10.68	6.54 -0.01 -4.01	-3.64 0.01 -5.75	-1.06 0.04 -4.72	-1.01 0.04 -7.18	2.43 0.00 -3.92	1.82 0.00 -3.97	-1.97 -0.01 -3.89	5.40 0.02 -2.64	-2.11 -0.05 -3.35
NEG CENTRAL___DRP 24199	-12.18 -0.53 -7.58	-29.43 -1.03 -8.71	-11.37 -0.43 -5.46	6.19 0.08 -2.79	2.14 -0.03 -3.57	-8.27 -0.29 -5.14	9.66 0.17 -2.47	6.39 0.12 -2.22	5.97 0.05 -3.70	1.77 -0.09 -4.25	2.12 -0.02 -4.03	1.47 -0.01 -3.10	0.97 -0.03 -3.94	0.89 -0.05 -4.77	-0.95 -0.20 -11.65	6.97 0.05 -4.38	-3.22 -0.10 -6.28	-0.72 -0.05 -5.15	-0.48 -0.09 -7.83	2.77 -0.02 -4.27	2.16 -0.03 -4.33	-1.70 -0.09 -4.25	5.67 0.05 -2.88	-1.86 -0.10 -3.65
NEG CENTRAL___INDECK 23768	-3.47 -1.31 -17.07	-28.20 -2.49 -11.40	-10.30 -1.05 -7.15	7.18 0.20 -3.66	3.19 -0.09 -4.68	-7.17 -0.79 -6.73	10.65 0.40 -3.24	7.20 0.23 -2.90	7.17 0.11 -4.85	2.96 -0.22 -5.57	3.37 -0.02 -5.28	2.43 -0.01 -4.06	2.18 -0.03 -5.15	2.37 -0.05 -6.25	2.57 -0.28 -15.25	8.35 0.07 -5.73	-1.36 -0.18 -8.22	0.87 -0.05 -6.75	1.86 -0.17 -10.25	4.06 -0.04 -5.60	3.45 -0.08 -5.67	-0.53 -0.24 -5.56	6.64 0.14 -3.77	-0.91 -0.28 -4.78
NEG CENTRAL___SENECA 23627	-11.15 -0.65 -8.72	-28.78 -1.27 -9.60	-10.90 -0.52 -6.02	6.49 0.10 -3.08	2.50 -0.04 -3.94	-7.82 -0.37 -5.67	9.95 0.20 -2.73	6.64 0.14 -2.45	6.36 0.07 -4.09	2.17 -0.12 -4.69	2.54 -0.01 -4.44	1.78 -0.02 -3.42	1.36 -0.04 -4.34	1.37 -0.06 -5.27	0.20 -0.25 -12.85	7.43 0.06 -4.83	-2.60 -0.12 -6.92	-0.21 -0.07 -5.68	0.30 -0.11 -8.63	3.20 -0.02 -4.71	2.60 -0.03 -4.77	-1.28 -0.11 -4.68	5.98 0.07 -3.17	-1.51 -0.12 -4.03
NEG CENTRAL___STATE_STREET 24147	-12.99 -0.67 -6.91	-29.87 -1.29 -8.52	-11.64 -0.58 -5.34	6.16 0.11 -2.73	2.05 -0.05 -3.50	-8.47 -0.39 -5.03	9.67 0.23 -2.42	6.38 0.15 -2.17	5.91 0.08 -3.63	1.68 -0.09 -4.16	2.01 -0.04 -3.95	1.39 -0.02 -3.04	0.87 -0.04 -3.86	0.78 -0.06 -4.68	-1.30 -0.31 -11.41	6.90 0.07 -4.29	-3.46 -0.21 -6.15	-0.90 -0.13 -5.05	-0.74 -0.18 -7.67	2.66 -0.03 -4.19	2.04 -0.05 -4.24	-1.83 -0.14 -4.16	5.63 0.07 -2.82	-1.97 -0.13 -3.57
NEG MILLWOOD___DRP 24198	34.92 -0.84 -54.98	32.76 -1.57 -71.43	27.66 -0.71 -44.77	26.38 0.15 -22.92	27.87 -0.06 -29.34	28.48 -0.56 -42.16	28.87 0.33 -21.53	27.33 0.20 -23.08	37.92 0.12 -35.59	32.42 -0.08 -34.90	32.17 -0.11 -34.17	26.24 -0.11 -27.97	26.68 -0.21 -29.83	32.06 -0.27 -36.17	75.13 -0.82 -88.35	35.93 0.17 -33.21	37.57 -0.65 -47.62	32.86 -0.40 -39.08	50.63 -0.52 -59.38	30.84 -0.09 -32.42	30.56 -0.12 -32.82	26.02 -0.33 -32.20	24.73 0.16 -21.84	22.00 -0.28 -27.69
NEG NORTH_FLCN_SEA 23793	-78.67 2.29 61.74	-53.22 4.58 20.69	-40.30 2.05 25.95	-50.37 -0.39 53.30	-42.91 0.16 41.67	-24.36 1.44 12.68	-201.70 -0.84 207.87	-271.53 -0.58 275.01	-124.97 -0.33 126.84	-34.95 0.31 32.86	-42.60 0.28 40.99	-300.55 0.24 299.16	-319.87 0.47 317.40	-18.43 0.59 15.19	-20.25 1.89 9.74	-20.26 -0.38 22.43	-37.45 1.29 29.34	-23.87 0.87 18.92	-20.73 1.19 13.70	-26.43 0.20 25.15	-19.66 0.28 17.80	-11.14 0.81 6.10	-17.36 -0.38 19.72	-13.48 0.71 8.78
NEG NORTH_KES_CHATEGAY 23792	-80.51 2.55 63.84	-53.42 5.09 21.41	-40.96 2.28 26.83	-52.19 -0.43 55.08	-44.29 0.18 43.07	-24.64 1.58 13.11	-208.68 -0.91 214.79	-280.71 -0.60 284.16	-129.20 -0.33 131.07	-36.06 0.33 33.99	-43.99 0.30 42.40	-310.61 0.25 309.23	-330.55 0.47 328.08	-18.95 0.62 15.73	-20.48 2.03 10.11	-21.07 -0.40 23.22	-38.35 1.41 30.36	-24.47 0.94 19.59	-21.14 1.27 14.19	-27.27 0.22 26.00	-20.24 0.30 18.40	-11.30 0.88 6.33	-18.09 -0.42 20.41	-13.74 0.77 9.10

NEG NORTH___ALICE_FALLS 23915	-78.99 2.31 62.07	-53.29 4.63 20.81	-40.42 2.07 26.09	-50.66 -0.40 53.58	-43.14 0.16 41.89	-24.42 1.44 12.74	-202.79 -0.84 208.97	-272.97 -0.56 276.46	-125.63 -0.32 127.51	-35.13 0.31 33.04	-42.82 0.28 41.21	-302.15 0.23 300.76	-321.58 0.46 319.09	-18.53 0.59 15.27	-20.29 1.91 9.80	-20.39 -0.39 22.55	-37.61 1.29 29.50	-23.97 0.87 19.02	-20.81 1.19 13.77	-26.57 0.20 25.28	-19.76 0.28 17.90	-11.17 0.82 6.14	-17.47 -0.39 19.82	-13.52 0.71 8.83
NEG NORTH___LWR_SARANAC 23913	-78.99 2.31 62.07	-53.29 4.63 20.81	-40.42 2.07 26.09	-50.66 -0.40 53.58	-43.14 0.16 41.89	-24.42 1.44 12.74	-202.79 -0.84 208.97	-272.97 -0.56 276.46	-125.63 -0.32 127.51	-35.13 0.31 33.04	-42.82 0.28 41.21	-302.15 0.23 300.76	-321.58 0.46 319.09	-18.53 0.59 15.27	-20.29 1.91 9.80	-20.39 -0.39 22.55	-37.61 1.29 29.50	-23.97 0.87 19.02	-20.81 1.19 13.77	-26.57 0.20 25.28	-19.76 0.28 17.90	-11.17 0.82 6.14	-17.47 -0.39 19.82	-13.52 0.71 8.83
NEG NORTH___PLATTSBURG 23628	-78.98 2.32 62.07	-53.24 4.67 20.81	-40.43 2.06 26.09	-50.70 -0.44 53.58	-43.14 0.15 41.89	-24.43 1.43 12.74	-202.79 -0.84 208.97	-272.97 -0.56 276.46	-125.63 -0.32 127.51	-35.13 0.31 33.04	-42.82 0.29 41.21	-302.15 0.23 300.76	-321.58 0.46 319.09	-18.53 0.59 15.27	-20.30 1.90 9.80	-20.40 -0.39 22.55	-37.60 1.30 29.50	-23.97 0.88 19.02	-20.81 1.19 13.77	-26.57 0.20 25.28	-19.75 0.28 17.90	-11.16 0.83 6.14	-17.47 -0.39 19.82	-13.52 0.71 8.83
NEG WEST_LEA_LOCKPORT 23791	-12.12 -1.23 -8.34	-29.36 -2.26 -10.01	-11.07 -0.94 -6.27	6.70 0.17 -3.21	2.62 -0.08 -4.11	-7.89 -0.68 -5.91	10.07 0.21 -2.84	6.75 0.15 -2.55	6.52 0.05 -4.26	2.25 -0.25 -4.89	2.75 0.01 -4.63	1.96 0.03 -3.56	1.62 0.04 -4.53	1.70 0.05 -5.48	1.00 0.01 -13.38	7.62 0.05 -5.03	-2.22 -0.03 -7.21	0.15 0.05 -5.92	0.79 0.02 -8.99	3.41 -0.01 -4.91	2.82 -0.01 -4.97	-1.06 -0.08 -4.88	6.15 0.10 -3.31	-1.42 -0.21 -4.19
NEG WEST___LANCASTR 23811	-10.81 -1.16 -9.57	-27.64 -2.21 -11.68	-9.97 -0.89 -7.32	7.25 0.19 -3.75	3.32 -0.08 -4.80	-6.87 -0.65 -6.90	10.61 0.27 -3.31	7.23 0.20 -2.98	7.26 0.08 -4.97	3.08 -0.23 -5.71	3.50 -0.01 -5.40	2.53 0.00 -4.16	2.32 -0.02 -5.28	2.54 -0.02 -6.40	3.01 -0.21 -15.62	8.51 0.09 -5.87	-1.12 -0.14 -8.42	1.06 -0.03 -6.91	2.20 -0.07 -10.50	4.22 -0.02 -5.73	3.62 -0.04 -5.80	-0.30 -0.15 -5.69	6.73 0.13 -3.86	-0.75 -0.24 -4.90
NEG_PENN_ALLEGHNY 23528	-4.45 -0.46 -15.23	-17.23 -0.92 -20.80	-3.74 -0.38 -13.03	10.06 0.07 -6.67	7.11 -0.03 -8.54	-1.11 -0.27 -12.27	13.07 0.15 -5.90	9.47 0.11 -5.30	11.11 0.05 -8.85	7.68 -0.08 -10.16	7.72 -0.02 -9.63	5.77 -0.02 -7.42	6.42 -0.05 -9.41	7.50 -0.07 -11.41	15.18 -0.26 -27.84	13.09 0.07 -10.47	5.45 -0.16 -15.01	6.40 -0.10 -12.31	10.36 -0.12 -18.71	8.71 -0.02 -10.21	8.17 -0.03 -10.34	4.19 -0.11 -10.15	9.69 0.07 -6.88	3.21 -0.11 -8.73
NEG___GEN_MONROE 24207	-13.14 -1.20 -7.28	-31.06 -2.23 -8.28	-12.18 -0.96 -5.18	6.16 0.18 -2.66	1.92 -0.08 -3.40	-8.95 -0.71 -4.88	9.69 0.32 -2.35	6.35 0.19 -2.11	5.81 0.08 -3.52	1.44 -0.21 -4.04	1.89 -0.04 -3.83	1.31 -0.02 -2.95	0.77 -0.03 -3.74	0.65 -0.05 -4.54	-1.53 -0.21 -11.07	6.75 0.04 -4.16	-3.61 -0.18 -5.97	-1.00 -0.07 -4.90	-0.93 -0.14 -7.44	2.54 -0.03 -4.06	1.91 -0.06 -4.11	-1.99 -0.17 -4.03	5.59 0.11 -2.74	-2.18 -0.24 -3.47
NEPA___ENERGY 23901	-10.68 -0.93 -9.47	-27.27 -1.93 -11.77	-9.78 -0.76 -7.38	7.25 0.15 -3.78	3.37 -0.07 -4.84	-6.73 -0.57 -6.95	10.59 0.23 -3.34	7.24 0.19 -3.00	7.29 0.07 -5.01	3.17 -0.19 -5.75	3.56 0.00 -5.45	2.57 0.00 -4.19	2.36 -0.02 -5.32	2.58 -0.03 -6.45	3.08 -0.26 -15.74	8.58 0.12 -5.92	-1.00 -0.09 -8.48	1.11 -0.03 -6.96	2.30 -0.06 -10.58	4.27 -0.01 -5.78	3.68 -0.02 -5.85	-0.26 -0.14 -5.74	6.74 0.11 -3.89	-0.70 -0.22 -4.93
NEVERSINK___HYD 23608	26.95 -0.52 -46.70	22.59 -0.98 -60.68	21.19 -0.44 -38.03	22.87 0.09 -19.47	23.48 -0.04 -24.92	22.37 -0.33 -35.81	24.03 0.20 -16.81	18.07 0.12 -13.89	26.39 0.08 -24.11	27.21 -0.03 -29.64	23.50 -0.07 -25.45	16.49 -0.07 -18.18	23.33 -0.14 -26.41	28.00 -0.18 -32.02	65.24 -0.58 -78.21	32.08 0.13 -29.40	32.32 -0.44 -42.16	28.49 -0.28 -34.59	43.96 -0.39 -52.57	27.14 -0.07 -28.70	26.83 -0.08 -29.06	22.43 -0.23 -28.51	22.18 0.11 -19.33	18.91 -0.19 -24.52
NEWKRMKL_115KV_TB1 55635	50.89 -0.16 -70.27	53.90 -0.30 -91.31	40.70 -0.13 -57.23	32.64 0.03 -29.30	36.08 -0.01 -37.50	40.65 -0.12 -53.89	33.61 0.06 -26.53	29.75 0.02 -25.67	43.82 0.02 -41.59	42.20 -0.01 -44.60	37.85 -0.04 -39.78	29.35 -0.03 -31.00	33.43 -0.05 -36.42	40.24 -0.07 -44.14	94.92 -0.21 -107.53	43.00 0.03 -40.42	48.39 -0.16 -57.95	41.63 -0.10 -47.55	63.90 -0.14 -72.26	37.93 -0.03 -39.44	37.77 -0.04 -39.94	33.26 -0.08 -39.19	29.35 0.04 -26.57	28.23 -0.06 -33.70
NEWTON___FALLS_HYD 23847	-138.29 2.43 121.49	-73.30 4.90 41.08	-65.41 2.14 51.16	-101.03 -0.40 103.94	-82.59 0.17 81.36	-36.66 1.47 25.01	-398.63 -0.79 404.85	-532.00 -0.51 535.55	-245.23 -0.25 247.18	-67.15 0.31 65.06	-82.66 0.26 81.02	-587.21 0.22 585.80	-624.04 0.39 621.49	-33.94 0.49 30.59	-31.07 1.63 20.31	-42.75 -0.33 44.97	-66.41 1.27 58.28	-42.95 0.75 37.88	-34.99 1.06 27.82	-50.84 0.19 49.53	-36.84 0.24 34.94	-17.68 0.74 12.57	-37.05 -0.38 39.41	-22.65 0.71 17.94
NGRID_A1_DSASP 323792	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.73 0.15 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.22 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.88 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
NGRID_A2_DSASP 323793	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.73 0.15 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.22 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.88 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
NGRID_A4_DSASP 323807	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.72 0.14 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.21 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.89 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
NIAGARA_115E_LBMP 323715	-11.81 -1.04 -8.46	-28.78 -1.88 -10.21	-10.78 -0.78 -6.40	6.74 0.14 -3.28	2.72 -0.07 -4.19	-7.64 -0.55 -6.02	10.02 0.11 -2.90	6.75 0.10 -2.60	6.57 0.03 -4.34	2.37 -0.23 -4.99	2.88 0.05 -4.72	2.07 0.06 -3.63	1.76 0.09 -4.62	1.88 0.12 -5.59	1.49 0.24 -13.65	7.71 0.04 -5.13	-1.91 0.13 -7.36	0.37 0.15 -6.04	1.11 0.16 -9.17	3.53 0.01 -5.01	2.96 0.04 -5.07	-0.84 0.03 -4.97	6.19 0.07 -3.37	-1.26 -0.13 -4.28

NIAGARA_115W_LBMP 323714	-11.80 -0.96 -8.39	-28.68 -1.73 -10.17	-10.74 -0.71 -6.37	6.72 0.14 -3.26	2.71 -0.06 -4.17	-7.61 -0.49 -6.00	10.02 0.12 -2.88	6.73 0.09 -2.59	6.55 0.02 -4.33	2.36 -0.21 -4.97	2.85 0.04 -4.70	2.05 0.05 -3.62	1.76 0.11 -4.60	1.87 0.14 -5.57	1.44 0.25 -13.59	7.66 0.01 -5.11	-1.96 0.12 -7.33	0.35 0.16 -6.01	1.03 0.12 -9.14	3.51 0.01 -4.99	2.94 0.03 -5.05	-0.88 0.02 -4.95	6.15 0.06 -3.35	-1.29 -0.14 -4.26
NIAGARA_230_LBMP 323716	-11.90 -0.94 -8.27	-28.78 -1.70 -10.03	-10.81 -0.70 -6.29	6.68 0.14 -3.22	2.66 -0.06 -4.12	-7.68 -0.48 -5.92	10.00 0.14 -2.85	6.70 0.09 -2.56	6.49 0.01 -4.27	2.30 -0.21 -4.90	2.76 0.01 -4.64	1.98 0.03 -3.57	1.65 0.07 -4.54	1.74 0.08 -5.50	1.13 0.11 -13.41	7.58 -0.01 -5.04	-2.13 0.04 -7.23	0.21 0.09 -5.93	0.87 0.08 -9.02	3.44 0.00 -4.92	2.84 0.00 -4.98	-1.00 -0.04 -4.89	6.12 0.07 -3.32	-1.37 -0.17 -4.20
NIAGARA__115KV_198_GIBSON 55903	-11.80 -0.97 -8.39	-28.68 -1.73 -10.17	-10.74 -0.72 -6.37	6.71 0.13 -3.26	2.71 -0.07 -4.17	-7.61 -0.49 -6.00	10.02 0.12 -2.88	6.73 0.09 -2.59	6.55 0.02 -4.33	2.36 -0.21 -4.97	2.85 0.03 -4.70	2.05 0.05 -3.62	1.76 0.11 -4.60	1.87 0.14 -5.57	1.44 0.25 -13.59	7.66 0.01 -5.11	-1.96 0.12 -7.33	0.35 0.16 -6.01	1.03 0.12 -9.14	3.51 0.01 -4.99	2.94 0.03 -5.05	-0.89 0.01 -4.95	6.15 0.06 -3.35	-1.29 -0.14 -4.26
NIAGARA____ 23760	-11.74 -0.94 -8.42	-28.62 -1.70 -10.19	-10.71 -0.70 -6.38	6.73 0.14 -3.27	2.72 -0.06 -4.18	-7.59 -0.48 -6.01	10.05 0.14 -2.89	6.74 0.09 -2.60	6.56 0.01 -4.34	2.37 -0.21 -4.98	2.83 0.01 -4.71	2.03 0.03 -3.63	1.72 0.07 -4.60	1.82 0.08 -5.57	1.33 0.11 -13.62	7.65 -0.01 -5.12	-2.02 0.04 -7.34	0.30 0.09 -6.02	1.02 0.08 -9.16	3.51 0.00 -5.00	2.91 0.00 -5.06	-0.93 -0.04 -4.96	6.17 0.07 -3.36	-1.31 -0.17 -4.27
NINE_MILE_1 23575	-15.70 0.31 -3.22	-32.31 0.62 -4.18	-13.49 0.28 -2.62	4.60 -0.06 -1.34	0.34 0.03 -1.72	-10.41 0.24 -2.47	8.07 -0.13 -1.19	5.05 -0.07 -1.07	3.94 -0.04 -1.78	-0.32 0.03 -2.04	0.08 0.04 -1.94	-0.10 0.04 -1.49	-0.98 0.07 -1.89	-1.45 0.09 -2.30	-6.53 0.27 -5.60	4.59 -0.06 -2.11	-6.17 0.21 -3.02	-3.21 0.13 -2.48	-4.28 0.18 -3.76	0.60 0.03 -2.05	-0.02 0.04 -2.08	-3.69 0.12 -2.04	4.07 -0.06 -1.38	-3.55 0.10 -1.76
NINE_MILE_2 23744	-15.71 0.31 -3.21	-32.32 0.62 -4.17	-13.50 0.28 -2.61	4.59 -0.06 -1.34	0.34 0.03 -1.71	-10.41 0.24 -2.46	8.07 -0.13 -1.18	5.04 -0.07 -1.06	3.94 -0.04 -1.77	-0.33 0.03 -2.04	0.08 0.04 -1.93	-0.10 0.04 -1.49	-0.99 0.07 -1.89	-1.46 0.09 -2.29	-6.54 0.27 -5.59	4.59 -0.06 -2.10	-6.18 0.20 -3.01	-3.22 0.13 -2.47	-4.29 0.18 -3.75	0.59 0.03 -2.05	-0.02 0.04 -2.07	-3.69 0.12 -2.04	4.06 -0.06 -1.38	-3.56 0.10 -1.75
NM_CAPITAL__DRP 24208	50.63 -0.18 -70.04	53.54 -0.36 -91.01	40.48 -0.15 -57.03	32.55 0.03 -29.20	35.96 -0.02 -37.37	40.45 -0.15 -53.71	33.55 0.07 -26.46	29.73 0.03 -25.65	43.73 0.02 -41.51	42.05 -0.01 -44.45	37.76 -0.04 -39.70	29.31 -0.03 -30.96	33.32 -0.05 -36.32	40.11 -0.06 -44.02	94.61 -0.22 -107.23	42.88 0.03 -40.30	48.22 -0.17 -57.78	41.50 -0.10 -47.42	63.69 -0.14 -72.05	37.81 -0.03 -39.33	37.65 -0.04 -39.83	33.14 -0.09 -39.08	29.28 0.04 -26.50	28.13 -0.07 -33.61
NM_CENTRAL__DRP 24181	-12.64 -0.15 -6.74	-30.56 -0.27 -6.82	-11.77 -0.10 -4.73	7.53 0.02 -4.20	2.85 -0.01 -4.26	-9.04 -0.05 -4.13	17.52 0.03 -10.47	17.20 0.02 -13.12	10.15 0.01 -7.94	1.41 -0.03 -3.84	2.05 0.00 -3.94	11.13 0.00 -12.76	11.08 0.00 -14.02	-0.31 0.00 -3.53	-4.21 -0.03 -8.21	5.91 0.01 -3.36	-4.25 -0.01 -5.16	-1.86 0.00 -3.96	-2.56 0.00 -5.66	2.38 0.00 -3.87	1.64 0.00 -3.79	-2.88 -0.01 -2.97	5.06 0.01 -2.31	-2.89 -0.02 -2.53
NM_FRONTIER__DRP 24179	-11.80 -0.97 -8.39	-28.68 -1.73 -10.17	-10.74 -0.72 -6.37	6.71 0.13 -3.26	2.71 -0.07 -4.17	-7.61 -0.49 -6.00	10.02 0.12 -2.88	6.73 0.09 -2.59	6.55 0.02 -4.33	2.36 -0.21 -4.97	2.85 0.03 -4.70	2.05 0.05 -3.62	1.76 0.11 -4.60	1.87 0.14 -5.57	1.44 0.25 -13.59	7.66 0.01 -5.11	-1.96 0.12 -7.33	0.35 0.16 -6.01	1.03 0.12 -9.14	3.51 0.01 -4.99	2.94 0.03 -5.05	-0.89 0.01 -4.95	6.15 0.06 -3.35	-1.29 -0.14 -4.26
NM_ST_REGIS__HYD 24053	-99.29 3.05 83.11	-58.96 6.13 27.99	-48.67 2.69 34.96	-68.62 -0.52 71.41	-57.06 0.21 55.87	-28.29 1.92 17.09	-272.41 -1.09 278.33	-364.84 -0.69 368.20	-168.05 -0.37 169.89	-46.37 0.40 44.38	-56.88 0.32 55.31	-403.04 0.28 401.69	-428.59 0.52 426.17	-23.90 0.64 20.70	-23.82 2.10 13.52	-28.34 -0.39 30.49	-47.49 1.59 39.69	-30.55 0.97 25.70	-25.61 1.36 18.75	-35.11 0.25 33.87	-25.74 0.33 23.93	-13.32 0.94 8.41	-24.50 -0.48 26.76	-16.58 0.88 12.05
NORTHPORT__1 23551	33.59 -0.85 -53.66	30.57 -2.04 -69.72	26.28 -1.02 -43.70	25.91 0.22 -22.37	27.16 -0.08 -28.63	27.28 -0.75 -41.15	29.69 0.42 -22.25	31.63 0.25 -27.32	46.77 0.19 -44.37	31.58 -0.09 -34.06	38.46 -0.15 -40.50	37.39 -0.14 -39.15	32.15 -0.24 -35.34	31.55 -0.32 -35.71	74.41 -0.76 -87.57	35.75 0.17 -33.03	36.81 -0.66 -46.86	30.76 -0.41 -37.00	47.62 -0.52 -56.37	30.04 -0.09 -31.62	30.17 -0.15 -32.46	25.57 -0.44 -31.85	24.57 0.23 -21.60	21.66 -0.32 -27.39
NORTHPORT__2 23552	33.59 -0.85 -53.66	30.57 -2.04 -69.72	26.28 -1.02 -43.70	25.91 0.22 -22.37	27.16 -0.08 -28.63	27.28 -0.75 -41.15	29.69 0.42 -22.25	31.63 0.25 -27.32	46.77 0.19 -44.37	31.58 -0.09 -34.06	38.46 -0.15 -40.50	37.39 -0.14 -39.15	32.15 -0.24 -35.34	31.55 -0.32 -35.71	74.41 -0.76 -87.57	35.75 0.17 -33.03	36.81 -0.66 -46.86	30.76 -0.41 -37.00	47.62 -0.52 -56.37	30.04 -0.09 -31.62	30.17 -0.15 -32.46	25.57 -0.44 -31.85	24.57 0.23 -21.60	21.66 -0.32 -27.39
NORTHPORT__3 23553	33.82 -0.62 -53.66	31.04 -1.58 -69.72	26.52 -0.78 -43.70	25.86 0.17 -22.37	27.17 -0.06 -28.63	27.43 -0.60 -41.15	29.61 0.34 -22.25	31.58 0.20 -27.32	46.73 0.15 -44.37	31.60 -0.06 -34.06	38.48 -0.12 -40.49	37.27 -0.13 -39.02	31.82 -0.23 -35.00	31.59 -0.28 -35.71	73.49 -0.65 -86.54	33.01 0.16 -30.31	31.49 -0.63 -41.52	25.67 -0.37 -31.87	46.68 -0.45 -55.36	30.05 -0.08 -31.62	30.20 -0.12 -32.46	25.66 -0.35 -31.85	24.51 0.17 -21.60	21.73 -0.25 -27.39
NORTHPORT__4 23650	33.82 -0.62 -53.66	31.04 -1.58 -69.72	26.52 -0.78 -43.70	25.86 0.17 -22.37	27.17 -0.06 -28.63	27.43 -0.60 -41.15	29.61 0.34 -22.25	31.58 0.20 -27.32	46.73 0.15 -44.37	31.60 -0.06 -34.06	38.48 -0.12 -40.49	37.27 -0.13 -39.02	31.82 -0.23 -35.00	31.59 -0.28 -35.71	73.49 -0.65 -86.54	33.01 0.16 -30.31	31.49 -0.63 -41.52	25.67 -0.37 -31.87	46.68 -0.45 -55.36	30.05 -0.08 -31.62	30.20 -0.12 -32.46	25.66 -0.35 -31.85	24.51 0.17 -21.60	21.73 -0.25 -27.39
NORTHPORT__IC 23718	33.59 -0.85 -53.66	30.57 -2.04 -69.72	26.28 -1.02 -43.70	25.91 0.22 -22.37	27.16 -0.08 -28.63	27.28 -0.75 -41.15	29.69 0.42 -22.25	31.63 0.25 -27.32	46.77 0.19 -44.37	31.58 -0.09 -34.06	38.46 -0.15 -40.50	37.39 -0.14 -39.15	32.15 -0.24 -35.34	31.55 -0.32 -35.71	74.41 -0.76 -87.57	35.75 0.17 -33.03	36.81 -0.66 -46.86	30.76 -0.41 -37.00	47.62 -0.52 -56.37	30.04 -0.09 -31.62	30.17 -0.15 -32.46	25.57 -0.44 -31.85	24.57 0.23 -21.60	21.66 -0.32 -27.39

NORTH__COUNTRY_ESR 323785	-80.49 2.62 63.89	-53.28 5.25 21.42	-40.95 2.31 26.85	-52.29 -0.48 55.11	-44.33 0.17 43.10	-24.63 1.60 13.12	-208.86 -0.93 214.95	-280.92 -0.61 284.37	-129.30 -0.34 131.16	-36.07 0.34 34.02	-44.01 0.31 42.43	-310.83 0.25 309.46	-330.78 0.48 328.32	-18.95 0.63 15.74	-20.47 2.04 10.12	-21.10 -0.41 23.23	-38.35 1.43 30.38	-24.47 0.95 19.60	-21.13 1.29 14.20	-27.29 0.22 26.02	-20.24 0.31 18.41	-11.27 0.91 6.33	-18.12 -0.43 20.42	-13.73 0.78 9.10
NPX_GEN_1385_PROXY 323591	34.26 -0.18 -53.66	31.83 -0.79 -69.72	26.64 -0.66 -43.70	25.88 0.19 -22.37	27.19 -0.04 -28.63	27.66 -0.37 -41.15	29.50 0.23 -22.25	31.51 0.14 -27.32	46.71 0.13 -44.37	31.65 -0.02 -34.06	38.50 -0.11 -40.50	37.41 -0.12 -39.15	32.18 -0.21 -35.34	31.64 -0.24 -35.71	74.79 -0.38 -87.57	35.67 0.10 -33.03	37.12 -0.35 -46.86	30.94 -0.24 -37.00	47.87 -0.27 -56.37	30.06 -0.07 -31.62	30.20 -0.11 -32.46	25.71 -0.29 -31.85	24.53 0.20 -21.60	21.81 -0.17 -27.39
NPX_GEN_CSC 323557	33.05 -1.39 -53.66	29.58 -3.03 -69.72	25.89 -1.41 -43.70	25.98 0.30 -22.37	27.12 -0.11 -28.63	26.95 -1.08 -41.15	29.88 0.61 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.61 -0.20 -77.70	117.98 -0.19 -119.80	34.96 -0.33 -38.24	32.06 -0.44 -36.34	82.76 -1.13 -96.28	96.94 0.27 -94.13	205.92 -1.01 -216.33	312.74 -0.61 -319.16	274.22 -0.80 -283.25	67.20 -0.15 -68.84	30.11 -0.21 -32.46	25.39 -0.61 -31.85	24.66 0.32 -21.60	21.49 -0.50 -27.40
NSINS_S_GLNS_FALLS 23858	52.00 -1.26 -72.49	54.82 -2.26 -94.19	41.65 -0.98 -59.03	33.74 0.20 -30.22	37.19 -0.09 -38.68	41.65 -0.82 -55.59	34.78 0.43 -27.33	30.62 0.23 -26.34	45.05 0.12 -42.72	43.47 -0.14 -46.01	38.80 -0.12 -40.82	30.02 -0.08 -31.72	34.35 -0.14 -37.44	41.34 -0.19 -45.37	97.47 -0.67 -110.54	44.23 0.14 -41.55	49.56 -0.61 -59.57	42.68 -0.38 -48.88	65.46 -0.59 -74.28	38.95 -0.11 -40.55	38.77 -0.15 -41.06	34.05 -0.39 -40.29	30.23 0.17 -27.31	28.90 -0.33 -34.64
NUCOR_STEEL__DRP 24197	-13.45 -0.53 -6.31	-29.92 -1.01 -8.20	-11.72 -0.46 -5.14	6.03 0.08 -2.63	1.93 -0.04 -3.36	-8.56 -0.28 -4.84	9.51 0.17 -2.33	6.26 0.12 -2.09	5.76 0.06 -3.49	1.54 -0.07 -4.00	1.88 -0.03 -3.80	1.28 -0.02 -2.92	0.73 -0.04 -3.71	0.61 -0.05 -4.50	-1.64 -0.21 -10.97	6.71 0.04 -4.12	-3.62 -0.14 -5.91	-1.05 -0.08 -4.85	-0.97 -0.11 -7.37	2.51 -0.02 -4.03	1.90 -0.04 -4.08	-1.95 -0.10 -4.00	5.50 0.05 -2.71	-2.07 -0.09 -3.44
NUMBER_THREE_WT_PWR 323818	-33.99 1.25 16.01	-34.17 2.59 -0.35	-16.80 1.12 1.52	30.11 -0.19 -26.98	20.35 0.09 -21.66	-4.23 0.64 -8.25	108.51 -0.28 -101.77	138.07 -0.21 -134.22	65.13 -0.08 -63.00	-30.53 0.15 28.28	-33.99 0.13 32.23	-33.99 0.11 32.48	-33.99 0.17 31.22	-33.99 0.22 30.38	-33.99 0.81 22.39	-42.21 -0.20 44.56	-33.99 0.62 25.21	-33.99 0.35 28.51	-33.53 0.53 25.84	-4.13 0.09 2.73	8.37 0.10 -10.41	-23.78 0.38 18.31	-33.99 -0.19 36.54	-33.99 0.37 28.96
NYISO_LBMP_REFERENCE 24008	-19.22 0.00 0.00	-37.11 0.00 0.00	-16.40 0.00 0.00	3.32 0.00 0.00	-1.40 0.00 0.00	-13.12 0.00 0.00	7.02 0.00 0.00	4.05 0.00 0.00	2.21 0.00 0.00	-2.40 0.00 0.00	-1.89 0.00 0.00	-1.62 0.00 0.00	-2.94 0.00 0.00	-3.84 0.00 0.00	-12.40 0.00 0.00	2.54 0.00 0.00	-9.40 0.00 0.00	-5.82 0.00 0.00	-8.22 0.00 0.00	-1.49 0.00 0.00	-2.14 0.00 0.00	-5.85 0.00 0.00	2.74 0.00 0.00	-5.41 0.00 0.00
NYPA_BRENTWD__GT 24164	33.26 -1.18 -53.66	29.99 -2.62 -69.72	26.04 -1.26 -43.70	25.95 0.26 -22.37	27.13 -0.10 -28.63	27.07 -0.97 -41.15	29.81 0.54 -22.25	31.71 0.33 -27.32	46.80 0.23 -44.37	31.53 -0.14 -34.06	47.47 -0.18 -49.54	56.90 -0.17 -58.70	32.64 -0.29 -35.88	31.64 -0.39 -35.86	75.82 -0.98 -89.20	49.35 0.21 -46.59	75.31 -0.81 -85.52	96.83 -0.51 -103.16	102.17 -0.66 -111.05	39.06 -0.11 -40.67	30.14 -0.18 -32.46	25.47 -0.53 -31.85	24.61 0.27 -21.60	21.57 -0.42 -27.39
NYPA_GOWANUS__GT5 24156	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.48 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NYPA_GOWANUS__GT6 24157	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.48 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39
NYPA_HARLEM_RVR_GT1 24160	33.55 -0.85 -53.63	30.95 -1.63 -69.69	26.53 -0.75 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.42 -0.60 -41.13	29.61 0.34 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.28 -0.10 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.15 -21.59	21.68 -0.29 -27.39
NYPA_HARLEM_RVR_GT2 24161	33.55 -0.85 -53.63	30.95 -1.63 -69.69	26.53 -0.75 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.42 -0.60 -41.13	29.61 0.34 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.28 -0.10 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.11 -0.80 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.09 -32.05	30.21 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.15 -21.59	21.68 -0.29 -27.39
NYPA_KENT__GT 24152	33.54 -0.87 -53.63	30.92 -1.65 -69.69	26.51 -0.77 -43.67	25.83 0.15 -22.36	27.15 -0.07 -28.62	27.42 -0.60 -41.13	29.61 0.34 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.10 -0.22 -29.27	31.39 -0.28 -35.51	74.10 -0.82 -87.31	35.57 0.18 -32.84	37.05 -0.64 -47.09	32.43 -0.38 -38.64	50.01 -0.48 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.65 -0.34 -31.85	24.49 0.16 -21.59	21.68 -0.29 -27.39
NYPA_POUCH1__GT 24155	33.58 -0.83 -53.63	31.00 -1.58 -69.69	26.51 -0.77 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.59 -41.13	29.61 0.33 -22.25	31.56 0.21 -27.29	46.11 0.14 -43.76	31.65 0.00 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.11 -0.22 -29.27	31.39 -0.28 -35.51	74.11 -0.80 -87.31	35.56 0.17 -32.84	37.06 -0.63 -47.09	32.43 -0.38 -38.64	50.00 -0.49 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.34 -31.85	24.49 0.16 -21.59	21.68 -0.30 -27.39
NYPA_VERNON__GT2 24162	33.57 -0.84 -53.63	30.97 -1.61 -69.69	26.54 -0.74 -43.67	25.83 0.15 -22.36	27.15 -0.06 -28.62	27.43 -0.58 -41.13	29.61 0.33 -22.25	31.62 0.21 -27.35	46.83 0.14 -44.48	31.61 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.39 -0.28 -35.51	74.12 -0.79 -87.31	35.56 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.02 -0.47 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.28 -27.39

NYPA_VERNON____GT3 24163	33.57	30.97	26.54	25.83	27.15	27.43	29.61	31.62	46.83	31.61	38.28	35.35	26.11	31.39	74.12	35.56	37.07	32.44	50.02	30.48	30.20	25.66	24.48	21.69
	-0.84	-1.61	-0.74	0.15	-0.06	-0.58	0.33	0.21	0.14	-0.03	-0.11	-0.11	-0.22	-0.28	-0.79	0.17	-0.62	-0.38	-0.47	-0.08	-0.11	-0.33	0.15	-0.28
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.39
NYPA____ASTORIA_CC1 323568	33.59	31.01	26.56	25.82	27.16	27.45	29.60	31.61	46.82	31.62	38.28	35.35	26.11	31.40	74.14	35.55	37.08	32.45	50.03	30.48	30.20	25.67	24.48	21.70
	-0.82	-1.57	-0.72	0.15	-0.06	-0.57	0.33	0.21	0.14	-0.03	-0.11	-0.11	-0.21	-0.27	-0.77	0.16	-0.61	-0.37	-0.46	-0.08	-0.11	-0.32	0.15	-0.28
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
NYPA____ASTORIA_CC2 323569	33.59	31.01	26.56	25.82	27.16	27.45	29.60	31.61	46.82	31.62	38.28	35.35	26.11	31.40	74.14	35.55	37.08	32.45	50.03	30.48	30.20	25.67	24.48	21.70
	-0.82	-1.57	-0.72	0.15	-0.06	-0.57	0.33	0.21	0.14	-0.03	-0.11	-0.11	-0.21	-0.27	-0.77	0.16	-0.61	-0.37	-0.46	-0.08	-0.11	-0.32	0.15	-0.28
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
NYPA____HOLTSVILL 23794	33.37	30.18	26.13	25.93	27.14	27.15	29.77	31.68	46.79	31.54	75.94	118.64	34.96	32.13	82.80	96.82	206.37	314.07	276.01	67.54	30.15	25.51	24.60	21.60
	-1.07	-2.43	-1.17	0.25	-0.09	-0.89	0.50	0.30	0.21	-0.12	-0.17	-0.17	-0.29	-0.38	-0.94	0.22	-0.82	-0.50	-0.65	-0.12	-0.17	-0.49	0.26	-0.40
	-53.66	-69.72	-43.70	-22.37	-28.63	-41.15	-22.25	-27.32	-44.37	-34.06	-78.00	-120.43	-38.19	-36.35	-96.14	-94.06	-216.59	-320.39	-284.88	-69.14	-32.46	-31.85	-21.60	-27.40
NYPA____HELLGATE_GT1 24158	33.55	30.95	26.53	25.83	27.15	27.42	29.61	31.62	46.83	31.63	38.28	35.35	26.11	31.40	74.11	35.56	37.07	32.44	50.02	30.48	30.21	25.66	24.48	21.68
	-0.85	-1.63	-0.75	0.15	-0.06	-0.60	0.34	0.21	0.14	-0.02	-0.10	-0.11	-0.22	-0.27	-0.80	0.18	-0.62	-0.38	-0.47	-0.09	-0.11	-0.33	0.15	-0.29
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.39
NYPA____HELLGATE_GT2 24159	33.55	30.95	26.53	25.83	27.15	27.42	29.61	31.62	46.83	31.63	38.28	35.35	26.11	31.40	74.11	35.56	37.07	32.44	50.02	30.48	30.21	25.66	24.48	21.68
	-0.85	-1.63	-0.75	0.15	-0.06	-0.60	0.34	0.21	0.14	-0.02	-0.10	-0.11	-0.22	-0.27	-0.80	0.18	-0.62	-0.38	-0.47	-0.09	-0.11	-0.33	0.15	-0.29
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.39
NYS_BARGE____HYD 23848	-12.20	-29.51	-11.15	6.69	2.59	-7.96	10.05	6.74	6.48	2.20	2.71	1.94	1.58	1.65	0.90	7.60	-2.27	0.10	0.71	3.37	2.78	-1.09	6.13	-1.46
	-1.27	-2.33	-0.97	0.19	-0.08	-0.70	0.22	0.15	0.05	-0.25	0.01	0.02	0.04	0.05	0.02	0.06	-0.03	0.05	0.01	-0.01	-0.01	-0.08	0.11	-0.21
	-8.29	-9.93	-6.22	-3.19	-4.08	-5.86	-2.82	-2.53	-4.23	-4.85	-4.60	-3.54	-4.49	-5.44	-13.28	-4.99	-7.16	-5.87	-8.92	-4.87	-4.93	-4.84	-3.28	-4.16
OAK ORCHARD____HYD 24046	-12.90	-30.56	-11.94	6.08	1.91	-8.77	9.55	6.27	5.75	1.44	1.87	1.28	0.75	0.64	-1.60	6.69	-3.65	-1.03	-0.95	2.51	1.89	-1.98	5.53	-2.15
	-0.91	-1.65	-0.69	0.14	-0.06	-0.49	0.21	0.13	0.05	-0.17	-0.03	-0.01	-0.02	-0.03	-0.17	0.02	-0.16	-0.06	-0.10	-0.02	-0.04	-0.13	0.08	-0.18
	-7.24	-8.20	-5.14	-2.63	-3.37	-4.84	-2.33	-2.09	-3.49	-4.01	-3.80	-2.92	-3.71	-4.50	-10.97	-4.12	-5.91	-4.85	-7.37	-4.03	-4.08	-4.00	-2.71	-3.44
OAKDALE__35_KV_LOAD 356122	-4.57	-17.28	-3.80	9.99	7.03	-1.17	12.99	9.40	11.02	7.60	7.64	5.71	6.35	7.42	15.00	12.98	5.36	6.32	10.24	8.63	8.09	4.12	9.62	3.15
	-0.38	-0.77	-0.32	0.07	-0.03	-0.22	0.12	0.10	0.04	-0.07	-0.02	-0.02	-0.04	-0.06	-0.22	0.06	-0.12	-0.07	-0.09	-0.01	-0.02	-0.09	0.05	-0.09
	-15.03	-20.60	-12.91	-6.61	-8.46	-12.16	-5.85	-5.25	-8.77	-10.06	-9.55	-7.36	-9.33	-11.31	-27.61	-10.38	-14.88	-12.21	-18.56	-10.13	-10.26	-10.06	-6.82	-8.66
OCC_CHEM____DRP 24175	-11.82	-28.73	-10.76	6.72	2.71	-7.63	10.04	6.74	6.56	2.37	2.85	2.05	1.76	1.87	1.43	7.67	-1.97	0.34	1.03	3.51	2.94	-0.89	6.16	-1.30
	-1.00	-1.80	-0.74	0.14	-0.06	-0.52	0.13	0.10	0.02	-0.21	0.03	0.05	0.10	0.13	0.22	0.01	0.09	0.14	0.10	0.01	0.03	0.00	0.07	-0.15
	-8.40	-10.18	-6.38	-3.27	-4.18	-6.01	-2.89	-2.59	-4.33	-4.97	-4.71	-3.63	-4.60	-5.58	-13.61	-5.12	-7.34	-6.02	-9.15	-4.99	-5.06	-4.96	-3.36	-4.27
OH_GEN_PROXY 24063	-11.87	-28.67	-10.75	6.68	2.68	-7.64	10.01	6.71	6.51	2.32	2.77	1.99	1.67	1.76	1.16	7.60	-2.11	0.22	0.91	3.45	2.86	-0.98	6.13	-1.35
	-0.90	-1.63	-0.66	0.14	-0.06	-0.47	0.14	0.09	0.01	-0.20	0.01	0.03	0.06	0.08	0.10	-0.01	0.03	0.09	0.08	0.01	0.00	-0.04	0.07	-0.16
	-8.26	-10.07	-6.31	-3.23	-4.14	-5.94	-2.86	-2.57	-4.28	-4.92	-4.66	-3.59	-4.55	-5.52	-13.47	-5.06	-7.26	-5.95	-9.05	-4.94	-5.00	-4.91	-3.33	-4.22
OLIN_CORP_DRP 24177	-11.77	-28.71	-10.73	6.75	2.75	-7.60	10.05	6.77	6.61	2.40	2.91	2.09	1.79	1.91	1.56	7.75	-1.88	0.40	1.15	3.56	2.99	-0.84	6.21	-1.24
	-1.05	-1.88	-0.78	0.14	-0.07	-0.55	0.12	0.10	0.03	-0.22	0.05	0.05	0.09	0.11	0.21	0.04	0.11	0.14	0.14	0.01	0.03	0.00	0.08	-0.14
	-8.50	-10.28	-6.44	-3.30	-4.22	-6.07	-2.92	-2.62	-4.37	-5.02	-4.75	-3.66	-4.65	-5.64	-13.75	-5.17	-7.41	-6.08	-9.24	-5.04	-5.11	-5.01	-3.40	-4.31
OLIN_CORP_DSASP 323712	-11.82	-28.73	-10.76	6.73	2.71	-7.63	10.04	6.74	6.56	2.37	2.85	2.05	1.76	1.87	1.43	7.67	-1.97	0.34	1.03	3.51	2.94	-0.88	6.16	-1.30
	-1.00	-1.80	-0.74	0.15	-0.06	-0.52	0.13	0.10	0.02	-0.22	0.03	0.05	0.10	0.13	0.22	0.01	0.09	0.14	0.10	0.01	0.03	0.00	0.07	-0.15
	-8.40	-10.18	-6.38	-3.27	-4.18	-6.01	-2.89	-2.59	-4.33	-4.97	-4.71	-3.63	-4.60	-5.58	-13.61	-5.12	-7.34	-6.02	-9.15	-4.99	-5.06	-4.96	-3.36	-4.27
ONEIDA_HERK_LFGE 323681	5.76	-26.76	-5.74	15.04	8.26	-8.78	50.30	61.01	29.32	15.08	18.79	97.21	101.51	8.93	-0.01	20.15	7.33	7.88	4.46	8.43	2.87	1.54	17.29	4.74
	0.31	0.70	0.31	-0.05	0.02	0.14	-0.04	-0.04	-0.01	0.03	0.03	0.03	0.04	0.05	0.22	-0.06	0.16	0.08	0.13	0.02	0.02	0.11	-0.05	0.11
	-24.68	-9.65	-10.35	-11.78	-9.64	-4.19	-43.33	-56.99	-27.12	-17.45	-20.65	-98.80	-104.42	-12.72	-12.16	-17.66	-16.56	-13.62	-12.55	-9.89	-5.00	-7.28	-14.60	-10.04
ONEIDA____115KV_TB4 55905	-8.64	-31.14	-11.03	8.80	3.50	-9.90	24.31	26.33	13.78	4.92	6.46	33.79	34.74	2.00	-4.23	9.91	-1.67	0.46	-1.32	3.50	1.28	-2.01	8.57	-0.91
	-0.36	-0.62	-0.25	0.05	-0.02	-0.23	0.14	0.08	0.04	-0.07	-0.03	-0.02	-0.04	-0.06	-0.14	0.03	-0.12	-0.09	-0.11	-0.02	-0.03	-0.08	0.03	-0.06
	-10.94	-6.59	-5.62	-5.44	-4.92	-3.45	-17.16	-22.19	-11.52	-7.38	-8.38	-35.44	-37.73	-5.90	-8.32	-7.33	-7.85	-6.37	-7.01	-5.01	-3.46	-3.92	-5.80	-4.56

ONONDAGA_REF_OCCRA 23987	-13.80 -0.26 -5.69	-30.19 -0.47 -7.39	-11.95 -0.18 -4.63	5.72 0.03 -2.37	1.62 -0.01 -3.04	-8.87 -0.12 -4.36	9.18 0.07 -2.10	5.99 0.05 -1.88	5.38 0.02 -3.14	1.17 -0.05 -3.61	1.52 -0.01 -3.42	1.00 -0.01 -2.63	0.38 -0.02 -3.34	0.19 -0.02 -4.05	-2.61 -0.10 -9.89	6.28 0.02 -3.72	-4.13 -0.06 -5.33	-1.48 -0.03 -4.37	-1.62 -0.05 -6.65	2.13 -0.01 -3.63	1.51 -0.02 -3.67	-2.29 -0.04 -3.60	5.21 0.02 -2.44	-2.35 -0.04 -3.10
ONONDAGA___COGEN 23986	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.17 -4.04	5.56 0.03 -2.22	1.42 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.01 -3.13	-0.07 -0.02 -3.79	-3.22 -0.07 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
ONTARIO___LFGE 23819	-11.15 -0.65 -8.72	-28.78 -1.27 -9.60	-10.90 -0.52 -6.02	6.49 0.10 -3.08	2.50 -0.04 -3.94	-7.82 -0.37 -5.67	9.95 0.20 -2.73	6.64 0.14 -2.45	6.36 0.07 -4.09	2.17 -0.12 -4.69	2.54 -0.02 -4.44	1.78 -0.02 -3.42	1.36 -0.04 -4.34	1.37 -0.06 -5.27	0.20 -0.25 -12.85	7.43 0.06 -4.83	-2.60 -0.12 -6.92	-0.21 -0.07 -5.68	0.30 -0.11 -8.63	3.20 -0.02 -4.71	2.60 -0.03 -4.77	-1.28 -0.11 -4.68	5.98 0.07 -3.17	-1.51 -0.12 -4.03
ORANGEVILLE_WT_PWR 323706	-22.28 -0.70 2.35	-26.49 -1.56 -12.18	-9.39 -0.62 -7.63	7.33 0.10 -3.91	3.54 -0.06 -5.00	-6.38 -0.46 -7.19	10.62 0.15 -3.46	7.26 0.10 -3.10	7.43 0.04 -5.18	3.35 -0.21 -5.95	3.78 0.04 -5.63	2.76 0.05 -4.34	2.64 0.08 -5.50	2.92 0.08 -6.67	3.98 0.10 -16.28	8.68 0.02 -6.12	-0.47 0.15 -8.78	1.53 0.15 -7.20	2.88 0.16 -10.94	4.50 0.02 -5.97	3.93 0.02 -6.05	0.10 0.02 -5.94	6.79 0.03 -4.03	-0.41 -0.10 -5.10
ORANGEVILLE___ESR 323794	-22.28 -0.70 2.35	-26.49 -1.56 -12.18	-9.39 -0.62 -7.63	7.33 0.10 -3.91	3.54 -0.06 -5.00	-6.38 -0.46 -7.19	10.62 0.15 -3.46	7.26 0.10 -3.10	7.43 0.04 -5.18	3.35 -0.21 -5.95	3.78 0.04 -5.63	2.76 0.05 -4.34	2.64 0.08 -5.50	2.92 0.08 -6.67	3.98 0.10 -16.28	8.68 0.02 -6.12	-0.47 0.15 -8.78	1.53 0.15 -7.20	2.88 0.16 -10.94	4.50 0.02 -5.97	3.93 0.02 -6.05	0.10 0.02 -5.94	6.79 0.03 -4.03	-0.41 -0.10 -5.10
OSWEGATCHIE___HYD 24044	-138.28 2.43 121.49	-73.27 4.92 41.08	-65.43 2.13 51.16	-101.04 -0.42 103.94	-82.59 0.17 81.36	-36.67 1.46 25.01	-398.63 -0.79 404.85	-532.00 -0.51 535.55	-245.23 -0.25 247.18	-67.15 0.31 65.06	-82.66 0.26 81.02	-587.21 0.22 585.80	-624.04 0.39 621.49	-33.94 0.49 30.59	-31.07 1.63 20.31	-42.75 -0.33 44.97	-66.41 1.27 58.28	-42.95 0.75 37.88	-34.99 1.06 27.82	-50.84 0.19 49.53	-36.84 0.24 34.94	-17.68 0.74 12.57	-37.05 -0.38 39.41	-22.65 0.71 17.94
OSWEGO___5 23606	-15.10 0.12 -4.00	-31.66 0.25 -5.20	-13.01 0.13 -3.26	4.96 -0.03 -1.67	0.74 0.01 -2.13	-9.93 0.12 -3.07	8.43 -0.06 -1.48	5.35 -0.03 -1.33	4.40 -0.02 -2.21	0.15 0.00 -2.54	0.54 0.02 -2.41	0.25 0.02 -1.85	-0.55 0.04 -2.35	-0.93 0.05 -2.85	-5.29 0.15 -6.96	5.13 -0.03 -2.62	-5.53 0.12 -3.75	-2.66 0.08 -3.08	-3.44 0.11 -4.68	1.08 0.02 -2.55	0.47 0.02 -2.58	-3.25 0.07 -2.54	4.43 -0.03 -1.72	-3.18 0.05 -2.18
OSWEGO___6 23613	-15.10 0.12 -4.00	-31.66 0.25 -5.20	-13.01 0.13 -3.26	4.96 -0.03 -1.67	0.74 0.01 -2.13	-9.93 0.12 -3.07	8.43 -0.06 -1.48	5.35 -0.03 -1.33	4.40 -0.02 -2.21	0.15 0.00 -2.54	0.54 0.02 -2.41	0.25 0.02 -1.85	-0.55 0.04 -2.35	-0.93 0.05 -2.85	-5.29 0.15 -6.96	5.13 -0.03 -2.62	-5.53 0.12 -3.75	-2.66 0.08 -3.08	-3.44 0.11 -4.68	1.08 0.02 -2.55	0.47 0.02 -2.58	-3.25 0.07 -2.54	4.43 -0.03 -1.72	-3.18 0.05 -2.18
OUTOKUMPU-AB___DRP 24206	-12.01 -1.37 -8.58	-29.28 -2.54 -10.37	-10.96 -1.06 -6.50	6.85 0.20 -3.33	2.77 -0.09 -4.26	-7.77 -0.78 -6.12	10.24 0.28 -2.94	6.88 0.18 -2.64	6.69 0.07 -4.41	2.41 -0.26 -5.07	2.90 -0.01 -4.80	2.08 0.01 -3.69	1.76 0.01 -4.69	1.86 0.02 -5.68	1.36 -0.11 -13.87	7.83 0.07 -5.21	-2.03 0.07 -7.48	0.32 0.01 -6.13	1.03 -0.06 -9.32	3.57 -0.02 -5.09	2.98 -0.03 -5.15	-0.93 -0.13 -5.05	6.29 0.13 -3.43	-1.31 -0.25 -4.35
OXBOW___ 24026	-11.98 -1.24 -8.49	-29.12 -2.29 -10.28	-10.91 -0.95 -6.44	6.80 0.19 -3.30	2.74 -0.08 -4.22	-7.74 -0.69 -6.07	10.16 0.23 -2.92	6.82 0.15 -2.62	6.63 0.05 -4.37	2.37 -0.25 -5.02	2.87 0.00 -4.75	2.06 0.02 -3.66	1.75 0.05 -4.65	1.85 0.06 -5.63	1.36 0.02 -13.74	7.76 0.05 -5.17	-2.03 -0.04 -7.41	0.31 0.06 -6.08	1.01 0.00 -9.24	3.54 -0.01 -5.04	2.96 -0.01 -5.11	-0.92 -0.08 -5.01	6.23 0.10 -3.39	-1.32 -0.22 -4.31
OXY_CHEM_DSASP 323612	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.72 0.14 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.21 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.89 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
OZONE_PARK_ESR 323760	33.36 -1.05 -53.63	30.58 -2.00 -69.69	26.37 -0.90 -43.67	25.85 0.18 -22.36	27.14 -0.08 -28.62	27.31 -0.70 -41.13	29.67 0.39 -22.25	31.65 0.24 -27.35	46.84 0.15 -44.48	31.57 -0.08 -34.04	38.27 -0.12 -40.28	35.34 -0.13 -37.09	26.08 -0.25 -29.27	31.35 -0.32 -35.51	73.99 -0.92 -87.31	35.58 0.19 -32.84	36.96 -0.73 -47.09	32.38 -0.44 -38.64	49.93 -0.56 -58.72	30.47 -0.09 -32.05	30.18 -0.13 -32.46	25.61 -0.38 -31.84	24.51 0.18 -21.59	21.64 -0.33 -27.38
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.72 0.14 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.21 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.89 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
PACKARD__115KV_DUPONT_184 80571	-11.82 -1.00 -8.40	-28.73 -1.80 -10.18	-10.76 -0.74 -6.38	6.72 0.14 -3.27	2.71 -0.06 -4.18	-7.63 -0.52 -6.01	10.04 0.13 -2.89	6.74 0.10 -2.59	6.56 0.02 -4.33	2.37 -0.21 -4.97	2.85 0.03 -4.71	2.05 0.05 -3.63	1.76 0.10 -4.60	1.87 0.13 -5.58	1.43 0.22 -13.61	7.67 0.01 -5.12	-1.97 0.09 -7.34	0.34 0.14 -6.02	1.03 0.10 -9.15	3.51 0.01 -4.99	2.94 0.03 -5.06	-0.89 0.00 -4.96	6.16 0.07 -3.36	-1.30 -0.15 -4.27
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	33.55 -0.86 -53.63	30.94 -1.64 -69.69	26.52 -0.76 -43.67	25.83 0.15 -22.36	27.15 -0.07 -28.62	27.41 -0.61 -41.13	29.62 0.34 -22.25	31.63 0.22 -27.35	46.83 0.14 -44.48	31.62 -0.02 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.56 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.01 -0.48 -58.72	30.47 -0.09 -32.05	30.20 -0.11 -32.46	25.66 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.29 -27.38

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	33.49 -0.91 -53.63	30.79 -1.79 -69.69	26.45 -0.83 -43.67	25.84 0.17 -22.36	27.15 -0.07 -28.62	27.35 -0.66 -41.13	29.64 0.37 -22.25	31.63 0.23 -27.35	46.84 0.15 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.12 -0.79 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.01 -0.48 -58.72	30.48 -0.09 -32.05	30.20 -0.11 -32.46	25.67 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.29 -27.38
PATROON__115KV_TB1 80586	51.08 -0.23 -70.53	54.11 -0.43 -91.65	40.85 -0.18 -57.44	32.76 0.05 -29.41	36.22 -0.02 -37.63	40.80 -0.17 -54.09	33.73 0.08 -26.63	29.86 0.04 -25.76	43.97 0.03 -41.73	42.36 -0.02 -44.77	37.97 -0.04 -39.91	29.44 -0.03 -31.09	33.54 -0.06 -36.54	40.37 -0.08 -44.29	95.23 -0.26 -107.89	43.15 0.05 -40.55	48.55 -0.20 -58.14	41.77 -0.12 -47.71	64.11 -0.16 -72.50	38.06 -0.03 -39.58	37.89 -0.04 -40.07	33.37 -0.10 -39.32	29.44 0.04 -26.66	28.33 -0.07 -33.81
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	-11.21 -1.27 -9.29	-28.20 -2.40 -11.30	-10.30 -0.98 -7.08	7.14 0.20 -3.63	3.16 -0.09 -4.64	-7.16 -0.72 -6.67	10.52 0.29 -3.21	7.14 0.20 -2.88	7.10 0.08 -4.81	2.88 -0.25 -5.52	3.31 -0.02 -5.23	2.40 -0.01 -4.03	2.15 -0.02 -5.11	2.33 -0.03 -6.20	2.48 -0.24 -15.12	8.32 0.09 -5.68	-1.42 -0.17 -8.15	0.82 -0.05 -6.69	1.84 -0.09 -10.16	4.03 -0.03 -5.55	3.43 -0.04 -5.62	-0.51 -0.17 -5.51	6.61 0.14 -3.74	-0.93 -0.26 -4.74
PAWLING_115_KV_BK3_REV_LBMP_H 345028	34.92 -0.84 -54.98	32.76 -1.57 -71.43	27.66 -0.71 -44.77	26.38 0.15 -22.92	27.87 -0.06 -29.34	28.48 -0.56 -42.16	28.87 0.33 -21.53	27.33 0.20 -23.08	37.92 0.12 -35.59	32.42 -0.08 -34.90	32.17 -0.11 -34.17	26.24 -0.11 -27.97	26.68 -0.21 -29.83	32.06 -0.27 -36.17	75.13 -0.82 -88.35	35.93 0.17 -33.21	37.57 -0.65 -47.62	32.86 -0.40 -39.08	50.63 -0.52 -59.38	30.84 -0.09 -32.42	30.56 -0.12 -32.82	26.02 -0.33 -32.20	24.73 0.16 -21.84	22.00 -0.28 -27.69
PEEKSKILL____ 23653	32.97 -0.63 -52.82	30.31 -1.22 -68.63	26.06 -0.56 -43.02	25.45 0.11 -22.02	26.74 -0.05 -28.18	26.96 -0.44 -40.51	29.43 0.25 -22.16	32.09 0.15 -27.89	48.98 0.10 -46.68	31.09 -0.04 -33.53	39.78 -0.08 -41.75	37.72 -0.09 -39.43	25.82 -0.17 -28.94	31.05 -0.22 -35.10	73.37 -0.64 -86.41	35.19 0.13 -32.51	36.69 -0.52 -46.61	32.11 -0.31 -38.24	49.50 -0.40 -58.12	30.17 -0.07 -31.73	29.89 -0.09 -32.12	25.41 -0.25 -31.52	24.23 0.12 -21.37	21.48 -0.22 -27.10
PGE MADISON__WINDPWR 24146	-5.92 -1.31 -14.61	-20.52 -2.80 -19.39	-5.59 -1.34 -12.15	9.78 0.24 -6.22	6.46 -0.09 -7.96	-2.63 -0.96 -11.44	13.07 0.56 -5.50	9.34 0.34 -4.94	10.64 0.18 -8.25	6.83 -0.24 -9.47	7.07 -0.12 -9.08	5.28 -0.10 -7.01	5.79 -0.16 -8.90	6.78 -0.17 -10.78	13.42 -0.49 -26.31	12.55 0.11 -9.89	4.23 -0.56 -14.18	5.40 -0.42 -11.64	8.92 -0.54 -17.68	8.06 -0.11 -9.65	7.50 -0.14 -9.78	3.37 -0.37 -9.59	9.42 0.17 -6.50	2.58 -0.25 -8.25
PIERCEFIELD__HYD 23852	-102.61 3.23 86.62	-59.81 6.49 29.18	-50.01 2.83 36.44	-71.61 -0.55 74.38	-59.37 0.23 58.20	-28.91 2.02 17.81	-284.03 -1.16 289.88	-380.15 -0.73 383.48	-175.12 -0.38 176.95	-48.24 0.42 46.27	-59.21 0.34 57.66	-419.83 0.29 418.50	-446.41 0.54 444.00	-24.79 0.65 21.60	-24.38 2.16 14.14	-29.67 -0.40 31.81	-49.12 1.67 41.39	-31.64 1.00 26.82	-26.40 1.41 19.57	-36.53 0.26 35.30	-26.73 0.34 24.93	-13.67 0.97 8.79	-25.68 -0.50 27.92	-17.08 0.93 12.59
PINELAWN_CC_1 323563	33.37 -1.06 -53.66	30.29 -2.33 -69.72	26.20 -1.10 -43.70	25.92 0.23 -22.37	27.14 -0.09 -28.63	27.19 -0.85 -41.15	29.75 0.48 -22.25	31.67 0.29 -27.32	46.78 0.20 -44.37	31.55 -0.12 -34.06	41.00 -0.16 -43.05	42.86 -0.15 -44.63	32.17 -0.24 -35.35	31.60 -0.32 -35.75	74.47 -0.75 -87.62	38.50 0.18 -35.78	45.58 -0.68 -55.65	47.40 -0.43 -53.65	62.63 -0.56 -71.42	32.59 -0.10 -34.18	30.17 -0.15 -32.46	25.53 -0.48 -31.85	24.58 0.24 -21.60	21.61 -0.37 -27.39
PJM_GEN_HTP_PROXY 323702	33.66 -0.74 -53.63	31.15 -1.42 -69.69	26.62 -0.65 -43.67	25.81 0.13 -22.36	27.16 -0.06 -28.62	27.50 -0.51 -41.13	29.56 0.29 -22.26	31.59 0.18 -27.36	49.46 0.12 -47.14	31.60 -0.04 -34.04	38.29 -0.10 -40.28	35.37 -0.10 -37.09	26.49 -0.20 -29.64	31.41 -0.26 -35.51	74.17 -0.73 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.44 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.70 -0.30 -31.84	24.47 0.14 -21.59	21.72 -0.26 -27.38
PJM_GEN_KEystone 24065	12.74 -0.51 -32.47	4.06 -1.03 -42.20	9.60 -0.44 -26.45	16.94 0.09 -13.54	15.89 -0.03 -17.33	11.47 -0.31 -24.91	17.07 0.15 -9.90	6.82 0.10 -2.66	4.59 0.05 -2.33	18.13 -0.08 -20.61	4.27 -0.03 -6.19	-5.23 -0.03 3.58	15.44 -0.07 -18.45	18.00 -0.10 -21.93	41.10 -0.32 -53.82	22.87 0.08 -20.24	19.39 -0.23 -29.02	17.87 -0.12 -23.81	27.81 -0.15 -36.18	18.24 -0.03 -19.75	17.83 -0.03 -20.00	13.64 -0.13 -19.62	16.13 0.08 -13.31	11.32 -0.15 -16.88
PJM_GEN_NEPTUNE_PROXY 323594	33.67 -0.77 -53.66	30.90 -1.71 -69.72	26.49 -0.81 -43.70	25.86 0.18 -22.37	27.17 -0.07 -28.63	27.42 -0.62 -41.15	29.62 0.34 -22.25	31.58 0.20 -27.32	49.38 0.15 -47.02	31.60 -0.07 -34.06	38.93 -0.12 -40.94	38.32 -0.12 -40.07	32.47 -0.22 -35.63	31.60 -0.29 -35.72	74.23 -0.71 -87.33	35.57 0.17 -32.85	37.09 -0.62 -47.11	32.45 -0.38 -38.65	50.03 -0.48 -58.73	30.49 -0.08 -32.06	30.20 -0.12 -32.46	25.65 -0.35 -31.85	24.51 0.18 -21.60	21.71 -0.27 -27.39
PJM_GEN_VFT_PROXY 323633	33.75 -0.66 -53.63	31.32 -1.26 -69.69	26.70 -0.58 -43.67	25.79 0.12 -22.36	27.17 -0.05 -28.62	27.56 -0.45 -41.13	29.53 0.26 -22.25	30.60 0.16 -26.39	37.99 0.11 -35.67	31.62 -0.02 -34.04	38.30 -0.09 -40.28	35.37 -0.10 -37.09	26.50 -0.19 -29.64	31.42 -0.25 -35.51	74.23 -0.68 -87.31	35.53 0.14 -32.84	37.16 -0.53 -47.09	32.50 -0.32 -38.64	50.09 -0.40 -58.72	30.50 -0.07 -32.05	30.22 -0.09 -32.46	25.73 -0.27 -31.84	24.46 0.13 -21.59	21.73 -0.24 -27.38
PLATSBRG_115KV_PMLD1 355749	-78.64 2.31 61.73	-53.18 4.62 20.69	-40.29 2.06 25.95	-50.37 -0.39 53.29	-42.91 0.16 41.67	-24.35 1.44 12.68	-201.67 -0.84 207.85	-271.50 -0.57 274.99	-124.95 -0.33 126.83	-34.94 0.31 32.86	-42.59 0.29 40.99	-300.52 0.23 299.14	-319.84 0.46 317.36	-18.43 0.60 15.19	-20.23 1.90 9.74	-20.27 -0.39 22.42	-37.44 1.30 29.33	-23.86 0.88 18.92	-20.72 1.20 13.69	-26.43 0.21 25.14	-19.66 0.29 17.80	-11.13 0.82 6.10	-17.36 -0.39 19.71	-13.47 0.71 8.77
PLEASANTVLY__LBMP 24000	37.82 -0.51 -57.56	36.70 -0.98 -74.79	30.04 -0.43 -46.87	27.40 0.09 -24.00	29.27 -0.04 -30.71	30.67 -0.35 -44.14	29.93 0.20 -22.71	29.00 0.12 -24.82	39.59 0.08 -37.31	34.10 -0.03 -36.53	33.62 -0.07 -35.59	27.48 -0.07 -29.18	27.82 -0.14 -30.90	33.43 -0.18 -37.45	78.14 -0.55 -91.09	36.90 0.12 -34.23	39.24 -0.44 -49.08	34.18 -0.27 -40.27	52.63 -0.35 -61.20	31.86 -0.06 -33.41	31.61 -0.08 -33.83	27.12 -0.22 -33.19	25.35 0.11 -22.51	22.94 -0.19 -28.54
PLSNTVLE_13_KV_13.8KVDIST 80602	34.47 -0.70 -54.40	32.24 -1.34 -70.68	27.29 -0.61 -44.30	26.12 0.12 -22.68	27.57 -0.05 -29.03	28.12 -0.48 -41.72	29.56 0.27 -22.27	30.78 0.17 -26.56	43.77 0.10 -41.46	32.08 -0.05 -34.53	36.24 -0.09 -38.23	32.21 -0.09 -33.92	26.46 -0.18 -29.59	31.81 -0.24 -35.88	74.88 -0.70 -87.97	35.78 0.15 -33.08	37.47 -0.57 -47.43	32.76 -0.34 -38.92	50.49 -0.43 -59.15	30.72 -0.07 -32.29	30.46 -0.10 -32.69	25.94 -0.28 -32.08	24.63 0.13 -21.75	21.93 -0.24 -27.59

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	34.47 -0.70 -54.40	32.24 -1.34 -70.68	27.29 -0.61 -44.30	26.12 0.12 -22.68	27.57 -0.05 -29.03	28.12 -0.48 -41.72	29.56 0.27 -22.27	30.78 0.17 -26.56	43.77 0.10 -41.46	32.08 -0.05 -34.53	36.24 -0.09 -38.23	32.21 -0.09 -33.92	26.46 -0.18 -29.59	31.81 -0.24 -35.88	74.88 -0.70 -87.97	35.78 0.15 -33.08	37.47 -0.57 -47.43	32.76 -0.34 -38.92	50.49 -0.43 -59.15	30.72 -0.07 -32.29	30.46 -0.10 -32.69	25.94 -0.28 -32.08	24.63 0.13 -21.75	21.93 -0.24 -27.59
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	36.03 -0.70 -55.96	34.30 -1.29 -72.71	28.60 -0.57 -45.57	26.76 0.12 -23.33	28.41 -0.05 -29.86	29.34 -0.46 -42.91	28.74 0.27 -21.46	25.94 0.17 -21.72	36.21 0.10 -33.90	33.06 -0.06 -35.51	31.09 -0.09 -33.07	24.39 -0.09 -26.10	27.13 -0.17 -30.24	32.60 -0.22 -36.66	76.26 -0.69 -89.36	36.28 0.15 -33.59	38.20 -0.55 -48.16	33.35 -0.34 -39.52	51.37 -0.46 -60.05	31.21 -0.08 -32.78	30.95 -0.10 -33.19	26.42 -0.29 -32.57	24.96 0.14 -22.08	22.35 -0.25 -28.01
POLETTI____ 23519	33.67 -0.74 -53.63	31.16 -1.42 -69.69	26.62 -0.65 -43.67	25.80 0.13 -22.36	27.16 -0.06 -28.62	27.50 -0.51 -41.13	29.56 0.29 -22.25	31.59 0.18 -27.35	46.81 0.12 -44.48	31.61 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.10 -37.09	26.13 -0.20 -29.27	31.41 -0.26 -35.51	74.18 -0.73 -87.31	35.54 0.15 -32.84	37.11 -0.58 -47.09	32.47 -0.35 -38.64	50.05 -0.43 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.70 -0.30 -31.84	24.47 0.14 -21.59	21.72 -0.26 -27.38
POMONA____ESR 323819	31.42 -0.57 -51.21	28.34 -1.09 -66.54	24.79 -0.51 -41.70	24.76 0.10 -21.35	25.88 -0.04 -27.32	25.76 -0.39 -39.27	23.76 0.22 -16.52	12.00 0.14 -7.81	14.26 0.09 -11.97	30.07 -0.03 -32.50	15.36 -0.07 -17.33	3.51 -0.08 -5.22	25.16 -0.16 -28.27	30.24 -0.21 -34.29	71.23 -0.61 -84.24	34.36 0.13 -31.69	35.53 -0.50 -45.43	31.16 -0.30 -37.28	48.04 -0.38 -56.65	29.37 -0.07 -30.92	29.09 -0.08 -31.31	24.64 -0.24 -30.72	23.68 0.11 -20.83	20.81 -0.20 -26.42
PORT_JEFF_3 23555	33.37 -1.07 -53.66	30.16 -2.46 -69.72	26.12 -1.18 -43.70	25.94 0.25 -22.37	27.14 -0.09 -28.63	27.14 -0.90 -41.15	29.78 0.50 -22.25	31.69 0.31 -27.32	46.80 0.22 -44.37	31.53 -0.13 -34.06	75.92 -0.17 -77.98	118.62 -0.17 -120.42	35.08 -0.29 -38.31	32.13 -0.38 -36.35	83.17 -0.94 -96.51	97.77 0.22 -95.01	208.23 -0.79 -218.42	315.76 -0.49 -322.06	276.25 -0.62 -285.09	67.51 -0.11 -69.12	30.16 -0.16 -32.46	25.53 -0.48 -31.85	24.59 0.26 -21.60	21.59 -0.40 -27.40
PORT_JEFF_4 23616	33.37 -1.07 -53.66	30.16 -2.46 -69.72	26.12 -1.18 -43.70	25.94 0.25 -22.37	27.14 -0.09 -28.63	27.14 -0.90 -41.15	29.78 0.50 -22.25	31.69 0.31 -27.32	46.80 0.22 -44.37	31.53 -0.13 -34.06	75.92 -0.17 -77.98	118.62 -0.17 -120.42	35.08 -0.29 -38.31	32.13 -0.38 -36.35	83.17 -0.94 -96.51	97.77 0.22 -95.01	208.23 -0.79 -218.42	315.76 -0.49 -322.06	276.25 -0.62 -285.09	67.51 -0.11 -69.12	30.16 -0.16 -32.46	25.53 -0.48 -31.85	24.59 0.26 -21.60	21.59 -0.40 -27.40
PORT_JEFF_IC 23713	33.31 -1.13 -53.66	30.05 -2.56 -69.72	26.08 -1.22 -43.70	25.94 0.26 -22.37	27.14 -0.09 -28.63	27.10 -0.93 -41.15	29.80 0.53 -22.25	31.70 0.32 -27.32	46.81 0.23 -44.37	31.52 -0.14 -34.06	76.36 -0.18 -78.43	119.74 -0.18 -121.54	35.52 -0.30 -38.77	32.14 -0.38 -36.36	84.52 -0.95 -97.87	101.84 0.22 -99.07	216.78 -0.81 -226.99	325.39 -0.50 -331.71	280.17 -0.64 -289.03	67.96 -0.11 -69.56	30.16 -0.16 -32.46	25.52 -0.48 -31.85	24.60 0.27 -21.60	21.57 -0.42 -27.40
PPL PILGRIM_ST_GT1 24216	33.26 -1.18 -53.66	29.99 -2.62 -69.72	26.04 -1.26 -43.70	25.95 0.26 -22.37	27.13 -0.10 -28.63	27.07 -0.97 -41.15	29.81 0.54 -22.25	31.71 0.33 -27.32	46.80 0.23 -44.37	31.53 -0.14 -34.06	47.47 -0.18 -49.54	56.90 -0.17 -58.70	32.64 -0.29 -35.88	31.64 -0.39 -35.86	75.82 -0.98 -89.20	49.35 0.21 -46.59	75.31 -0.81 -85.52	96.83 -0.51 -103.16	102.17 -0.66 -111.05	39.06 -0.11 -40.67	30.14 -0.18 -32.46	25.47 -0.53 -31.85	24.61 0.27 -21.60	21.57 -0.42 -27.39
PPL PILGRIM_ST_GT2 24217	33.26 -1.18 -53.66	29.99 -2.62 -69.72	26.04 -1.26 -43.70	25.95 0.26 -22.37	27.13 -0.10 -28.63	27.07 -0.97 -41.15	29.81 0.54 -22.25	31.71 0.33 -27.32	46.80 0.23 -44.37	31.53 -0.14 -34.06	47.47 -0.18 -49.54	56.90 -0.17 -58.70	32.64 -0.29 -35.88	31.64 -0.39 -35.86	75.82 -0.98 -89.20	49.35 0.21 -46.59	75.31 -0.81 -85.52	96.83 -0.51 -103.16	102.17 -0.66 -111.05	39.06 -0.11 -40.67	30.14 -0.18 -32.46	25.47 -0.53 -31.85	24.61 0.27 -21.60	21.57 -0.42 -27.39
PPL_SHRM_GT3 24213	33.06 -1.37 -53.66	29.61 -3.01 -69.72	25.90 -1.41 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.96 -1.07 -41.15	29.88 0.60 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.49 -0.20 -77.59	117.77 -0.19 -119.59	35.09 -0.33 -38.37	32.06 -0.44 -36.34	83.14 -1.13 -96.67	97.84 0.26 -95.03	207.53 -1.01 -217.94	313.93 -0.58 -320.33	273.95 -0.75 -282.92	67.08 -0.15 -68.72	30.11 -0.21 -32.46	25.39 -0.61 -31.85	24.66 0.31 -21.60	21.50 -0.50 -27.40
PPL_SHRM_GT4 24214	33.06 -1.37 -53.66	29.61 -3.01 -69.72	25.90 -1.41 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.96 -1.07 -41.15	29.88 0.60 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.49 -0.20 -77.59	117.77 -0.19 -119.59	35.09 -0.33 -38.37	32.06 -0.44 -36.34	83.14 -1.13 -96.67	97.84 0.26 -95.03	207.53 -1.01 -217.94	313.93 -0.58 -320.33	273.95 -0.75 -282.92	67.08 -0.15 -68.72	30.11 -0.21 -32.46	25.39 -0.61 -31.85	24.66 0.31 -21.60	21.50 -0.50 -27.40
PROJECT___ORANGE 1 24174	-12.65 -0.17 -6.75	-30.54 -0.31 -6.88	-11.76 -0.12 -4.76	7.51 0.02 -4.17	2.84 -0.01 -4.25	-9.01 -0.06 -4.17	17.35 0.04 -10.29	16.95 0.03 -12.87	10.06 0.01 -7.84	1.42 -0.04 -3.86	2.05 0.00 -3.95	10.91 0.00 -12.54	10.84 0.00 -13.79	-0.27 -0.01 -3.57	-4.12 -0.04 -8.32	5.95 0.01 -3.39	-4.22 -0.02 -5.20	-1.83 0.00 -3.99	-2.51 -0.01 -5.73	2.39 0.00 -3.89	1.66 0.00 -3.81	-2.85 -0.01 -3.01	5.08 0.01 -2.33	-2.86 -0.02 -2.57
PROJECT___ORANGE 2 24166	-12.65 -0.17 -6.75	-30.54 -0.31 -6.88	-11.76 -0.12 -4.76	7.51 0.02 -4.17	2.84 -0.01 -4.25	-9.01 -0.06 -4.17	17.35 0.04 -10.29	16.95 0.03 -12.87	10.06 0.01 -7.84	1.42 -0.04 -3.86	2.05 0.00 -3.95	10.91 0.00 -12.54	10.84 0.00 -13.79	-0.27 -0.01 -3.57	-4.12 -0.04 -8.32	5.95 0.01 -3.39	-4.22 -0.02 -5.20	-1.83 0.00 -3.99	-2.51 -0.01 -5.73	2.39 0.00 -3.89	1.66 0.00 -3.81	-2.85 -0.01 -3.01	5.08 0.01 -2.33	-2.86 -0.02 -2.57
PUCKETT___SOLAR 323809	-4.33 -0.64 -15.53	-17.35 -1.31 -21.06	-3.77 -0.57 -13.20	10.18 0.11 -6.76	7.20 -0.04 -8.65	-1.10 -0.41 -12.43	13.23 0.23 -5.98	9.57 0.15 -5.36	11.25 0.08 -8.96	7.76 -0.13 -10.29	7.87 -0.04 -9.80	5.89 -0.04 -7.55	6.57 -0.07 -9.59	7.70 -0.08 -11.62	15.66 -0.29 -28.35	13.25 0.05 -10.66	5.64 -0.24 -15.28	6.56 -0.16 -12.54	10.61 -0.21 -19.06	8.87 -0.04 -10.40	8.34 -0.05 -10.53	4.31 -0.17 -10.33	9.84 0.09 -7.01	3.32 -0.15 -8.89
PYRITES___HYD 24023	-100.06 2.85 83.69	-59.52 5.78 28.18	-49.09 2.51 35.21	-69.07 -0.49 71.90	-57.46 0.20 56.25	-28.55 1.77 17.21	-274.24 -1.03 280.23	-367.31 -0.65 370.72	-169.19 -0.34 171.05	-46.70 0.38 44.69	-57.28 0.31 55.70	-405.82 0.26 404.45	-431.56 0.48 429.10	-24.10 0.58 20.85	-24.08 1.94 13.62	-28.51 -0.35 30.70	-47.85 1.52 39.97	-30.82 0.89 25.89	-25.85 1.26 18.88	-35.37 0.23 34.10	-25.93 0.30 24.10	-13.47 0.86 8.48	-24.66 -0.45 26.95	-16.72 0.83 12.14

QUAKERRD_115KV_BK1 80622	-12.60	-29.56	-11.57	5.87	1.83	-8.52	9.25	6.07	5.55	1.39	1.78	1.22	0.68	0.56	-1.68	6.47	-3.61	-1.05	-1.01	2.40	1.79	-1.96	5.34	-2.11
	-0.22	-0.34	-0.12	0.02	-0.01	-0.06	-0.01	0.00	-0.01	-0.07	0.02	0.03	0.06	0.07	0.16	-0.04	0.10	0.10	0.12	0.02	0.02	0.04	-0.01	-0.01
	-6.85	-7.89	-4.94	-2.53	-3.24	-4.66	-2.24	-2.01	-3.36	-3.85	-3.65	-2.81	-3.57	-4.33	-10.55	-3.97	-5.69	-4.67	-7.09	-3.87	-3.92	-3.85	-2.61	-3.31
QUENSBRY_115KV_TB8 356137	51.85	54.57	41.54	33.78	37.19	41.57	34.85	30.66	45.08	43.47	38.80	30.02	34.34	41.34	97.42	44.27	49.50	42.64	65.41	38.95	38.76	34.01	30.26	28.87
	-1.45	-2.55	-1.11	0.23	-0.10	-0.93	0.49	0.27	0.14	-0.16	-0.13	-0.09	-0.16	-0.22	-0.76	0.16	-0.69	-0.44	-0.68	-0.12	-0.17	-0.44	0.19	-0.37
	-72.52	-94.23	-59.05	-30.23	-38.70	-55.61	-27.34	-26.34	-42.74	-46.03	-40.83	-31.73	-37.45	-45.39	-110.58	-41.56	-59.59	-48.90	-74.31	-40.56	-41.07	-40.30	-27.32	-34.66
RAMAPO___LBMP 323565	31.26	28.15	24.67	24.68	25.78	25.63	23.73	12.14	14.83	29.96	15.75	4.13	25.09	30.16	71.00	34.25	35.42	31.05	47.88	29.27	28.99	24.55	23.60	20.74
	-0.53	-1.03	-0.48	0.09	-0.04	-0.37	0.21	0.13	0.08	-0.03	-0.07	-0.08	-0.15	-0.19	-0.57	0.13	-0.47	-0.28	-0.35	-0.06	-0.07	-0.22	0.10	-0.19
	-51.01	-66.29	-41.54	-21.27	-27.22	-39.12	-16.50	-7.96	-12.54	-32.38	-17.72	-5.83	-28.19	-34.19	-83.97	-31.58	-45.28	-37.16	-56.46	-30.82	-31.21	-30.62	-20.76	-26.33
RANKINE____ 23646	-11.36	-28.41	-10.44	7.05	3.05	-7.30	10.42	7.05	6.98	2.76	3.20	2.31	2.05	2.21	2.21	8.16	-1.56	0.70	1.64	3.91	3.30	-0.61	6.51	-1.03
	-1.23	-2.35	-0.96	0.19	-0.09	-0.71	0.27	0.18	0.07	-0.25	-0.02	0.00	0.00	0.00	-0.16	0.07	-0.12	-0.01	-0.06	-0.02	-0.04	-0.14	0.12	-0.25
	-9.09	-11.04	-6.92	-3.54	-4.54	-6.52	-3.13	-2.81	-4.70	-5.40	-5.11	-3.93	-4.99	-6.05	-14.77	-5.55	-7.96	-6.53	-9.92	-5.42	-5.49	-5.38	-3.65	-4.63
RAVENSWOOD_GT2_1 24244	33.62	31.08	26.59	25.81	27.16	27.47	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.04	30.49	30.21	25.69	24.48	21.71
	-0.79	-1.50	-0.68	0.14	-0.06	-0.54	0.31	0.19	0.12	-0.04	-0.10	-0.11	-0.21	-0.27	-0.76	0.16	-0.60	-0.36	-0.45	-0.08	-0.10	-0.31	0.14	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT2_2 24245	33.62	31.08	26.59	25.81	27.16	27.47	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.04	30.49	30.21	25.69	24.48	21.71
	-0.79	-1.50	-0.68	0.14	-0.06	-0.54	0.31	0.19	0.12	-0.04	-0.10	-0.11	-0.21	-0.27	-0.76	0.16	-0.60	-0.36	-0.45	-0.08	-0.10	-0.31	0.14	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT2_3 24246	33.61	31.05	26.57	25.82	27.16	27.47	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.03	30.48	30.21	25.68	24.48	21.70
	-0.80	-1.53	-0.70	0.14	-0.06	-0.55	0.31	0.19	0.13	-0.05	-0.10	-0.11	-0.21	-0.27	-0.76	0.16	-0.61	-0.37	-0.46	-0.08	-0.10	-0.31	0.15	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT2_4 24247	33.61	31.05	26.57	25.82	27.16	27.47	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.03	30.48	30.21	25.68	24.48	21.70
	-0.80	-1.53	-0.70	0.14	-0.06	-0.55	0.31	0.19	0.13	-0.05	-0.10	-0.11	-0.21	-0.27	-0.76	0.16	-0.61	-0.37	-0.46	-0.08	-0.10	-0.31	0.15	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT3_1 24248	33.62	31.08	26.59	25.81	27.16	27.47	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.04	30.49	30.21	25.69	24.48	21.71
	-0.79	-1.50	-0.68	0.14	-0.06	-0.54	0.31	0.19	0.12	-0.04	-0.10	-0.11	-0.21	-0.27	-0.76	0.16	-0.60	-0.36	-0.45	-0.08	-0.10	-0.31	0.14	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT3_2 24249	33.62	31.08	26.59	25.81	27.16	27.47	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.04	30.49	30.21	25.69	24.48	21.71
	-0.79	-1.50	-0.68	0.14	-0.06	-0.54	0.31	0.19	0.12	-0.04	-0.10	-0.11	-0.21	-0.27	-0.76	0.16	-0.60	-0.36	-0.45	-0.08	-0.10	-0.31	0.14	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT3_3 24250	33.58	31.00	26.56	25.82	27.16	27.45	29.59	31.60	46.82	31.59	38.28	35.35	26.12	31.40	74.12	35.55	37.07	32.44	50.02	30.48	30.20	25.68	24.48	21.70
	-0.83	-1.58	-0.72	0.14	-0.06	-0.57	0.32	0.20	0.13	-0.05	-0.10	-0.11	-0.21	-0.27	-0.78	0.17	-0.62	-0.37	-0.47	-0.08	-0.11	-0.32	0.15	-0.28
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT3_4 24251	33.58	31.00	26.56	25.82	27.16	27.45	29.59	31.60	46.82	31.59	38.28	35.35	26.12	31.40	74.12	35.55	37.07	32.44	50.02	30.48	30.20	25.68	24.48	21.70
	-0.83	-1.58	-0.72	0.14	-0.06	-0.57	0.32	0.20	0.13	-0.05	-0.10	-0.11	-0.21	-0.27	-0.78	0.17	-0.62	-0.37	-0.47	-0.08	-0.11	-0.32	0.15	-0.28
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT_1 23729	33.57	30.97	26.54	25.83	27.15	27.43	29.61	31.62	46.83	31.61	38.28	35.35	26.11	31.39	74.12	35.56	37.07	32.44	50.02	30.48	30.20	25.66	24.48	21.69
	-0.84	-1.61	-0.74	0.15	-0.06	-0.58	0.33	0.21	0.14	-0.03	-0.11	-0.11	-0.22	-0.28	-0.79	0.17	-0.62	-0.38	-0.47	-0.08	-0.11	-0.33	0.15	-0.28
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.39
RAVENSWOOD_GT_10 24258	33.62	31.08	26.59	25.81	27.16	27.48	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.04	30.48	30.21	25.69	24.48	21.71
	-0.79	-1.50	-0.68	0.14	-0.06	-0.54	0.31	0.19	0.12	-0.04	-0.10	-0.11	-0.21	-0.26	-0.76	0.16	-0.60	-0.36	-0.45	-0.08	-0.10	-0.31	0.14	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38
RAVENSWOOD_GT_11 24259	33.62	31.08	26.59	25.81	27.16	27.48	29.58	31.60	46.81	31.60	38.29	35.36	26.12	31.41	74.15	35.55	37.09	32.46	50.04	30.48	30.21	25.69	24.48	21.71
	-0.79	-1.50	-0.69	0.14	-0.06	-0.54	0.31	0.19	0.12	-0.04	-0.10	-0.11	-0.21	-0.26	-0.76	0.16	-0.60	-0.36	-0.45	-0.08	-0.10	-0.31	0.14	-0.27
	-53.63	-69.69	-43.67	-22.36	-28.62	-41.13	-22.25	-27.35	-44.48	-34.04	-40.28	-37.09	-29.27	-35.51	-87.31	-32.84	-47.09	-38.64	-58.72	-32.05	-32.46	-31.84	-21.59	-27.38

RAVENSWOOD_GT_4 24252	33.63 -0.78 -53.63	31.08 -1.50 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.54 -41.13	29.57 0.30 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.16 -0.75 -87.31	35.55 0.16 -32.84	37.09 -0.59 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.26 -27.39
RAVENSWOOD_GT_5 24254	33.63 -0.78 -53.63	31.08 -1.50 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.54 -41.13	29.57 0.30 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.16 -0.75 -87.31	35.55 0.16 -32.84	37.09 -0.59 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.26 -27.39
RAVENSWOOD_GT_6 24253	33.63 -0.78 -53.63	31.08 -1.50 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.54 -41.13	29.57 0.30 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.16 -0.75 -87.31	35.55 0.16 -32.84	37.09 -0.59 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.26 -27.39
RAVENSWOOD_GT_7 24255	33.63 -0.78 -53.63	31.08 -1.50 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.54 -41.13	29.57 0.30 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.16 -0.75 -87.31	35.55 0.16 -32.84	37.09 -0.59 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.26 -27.39
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	33.62 -0.79 -53.63	31.08 -1.50 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.54 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.09 -0.60 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.48 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.31 -31.84	24.48 0.14 -21.59	21.71 -0.27 -27.38
RAVENSWOOD_GT_9 24257	33.62 -0.79 -53.63	31.08 -1.50 -69.69	26.59 -0.68 -43.67	25.81 0.14 -22.36	27.16 -0.06 -28.62	27.48 -0.54 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.04 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.09 -0.60 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.48 -0.08 -32.05	30.21 -0.10 -32.46	25.69 -0.31 -31.84	24.48 0.14 -21.59	21.71 -0.27 -27.38
RAVENSWOOD___1 23533	33.58 -0.83 -53.63	30.99 -1.59 -69.69	26.55 -0.73 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.44 -0.58 -41.13	29.60 0.33 -22.25	31.61 0.21 -27.35	46.82 0.14 -44.48	31.61 -0.04 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.22 -29.27	31.40 -0.27 -35.51	74.12 -0.79 -87.31	35.55 0.17 -32.84	37.07 -0.62 -47.09	32.44 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.28 -27.38
RAVENSWOOD___2 23534	33.59 -0.82 -53.63	31.01 -1.57 -69.69	26.56 -0.72 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.59 0.32 -22.25	31.61 0.20 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.17 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
RAVENSWOOD___3 23535	33.62 -0.79 -53.63	31.07 -1.51 -69.69	26.59 -0.69 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.47 -0.54 -41.13	29.58 0.31 -22.25	31.60 0.19 -27.35	46.81 0.12 -44.48	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.11 -37.09	26.12 -0.21 -29.27	31.41 -0.26 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.09 -0.60 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.08 -32.05	30.21 -0.10 -32.46	25.68 -0.31 -31.84	24.48 0.14 -21.59	21.71 -0.27 -27.38
RAVENSWOOD___4 23820	33.59 -0.82 -53.63	31.01 -1.57 -69.69	26.56 -0.72 -43.67	25.82 0.15 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.59 0.32 -22.25	31.61 0.20 -27.35	46.82 0.14 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.17 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
RCPI_TRUST___DRP 24196	33.64 -0.77 -53.63	31.11 -1.46 -69.69	26.60 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.49 -0.52 -41.13	29.57 0.30 -22.26	31.59 0.18 -27.36	46.82 0.12 -44.49	31.60 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.10 -37.09	26.12 -0.21 -29.27	31.41 -0.27 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.09 -0.60 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.14 -21.59	21.71 -0.26 -27.38
RED___ROCHESTER 323720	-13.09 -1.05 -7.17	-30.85 -1.90 -8.16	-12.07 -0.79 -5.11	6.09 0.16 -2.62	1.88 -0.07 -3.35	-8.87 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.05 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.20 -0.21 -3.42
REGAN___SOLAR 323812	61.72 -1.73 -82.68	66.93 -3.39 -107.43	49.43 -1.50 -67.33	38.09 0.31 -34.47	42.59 -0.12 -44.11	49.08 -1.21 -63.40	38.65 0.67 -30.97	33.66 0.37 -29.23	50.30 0.25 -47.84	49.91 -0.17 -52.48	43.75 -0.13 -45.77	33.37 -0.20 -35.19	39.33 -0.16 -42.44	47.52 -0.08 -51.44	112.51 -0.43 -125.34	49.98 0.32 -47.12	57.93 -0.22 -67.55	49.08 -0.53 -55.43	75.10 -0.91 -84.23	44.35 -0.15 -45.98	44.22 -0.19 -46.56	39.31 -0.52 -45.68	33.95 0.24 -30.97	33.42 -0.45 -39.28
RENSSELAER___COGEN 23796	50.38 -0.10 -69.71	53.27 -0.19 -90.58	40.28 -0.08 -56.77	32.40 0.02 -29.06	35.78 -0.01 -37.20	40.26 -0.08 -53.46	33.39 0.04 -26.33	29.57 0.01 -25.50	43.51 0.01 -41.29	41.85 0.00 -44.24	37.59 -0.03 -39.51	29.17 -0.02 -30.81	33.18 -0.04 -36.16	39.95 -0.05 -43.83	94.21 -0.16 -106.77	42.70 0.02 -40.13	48.02 -0.12 -57.54	41.32 -0.07 -47.22	63.42 -0.11 -71.75	37.66 -0.02 -39.17	37.49 -0.02 -39.66	33.00 -0.07 -38.91	29.15 0.03 -26.38	28.01 -0.05 -33.46
REPUBLIC_115KV_BARTNBRK 55605	50.91 -2.34 -72.47	53.14 -3.92 -94.17	40.90 -1.72 -59.02	33.89 0.36 -30.21	37.11 -0.16 -38.67	40.96 -1.50 -55.58	35.14 0.80 -27.33	30.81 0.42 -26.33	45.13 0.20 -42.72	43.34 -0.26 -46.00	38.70 -0.21 -40.81	29.93 -0.16 -31.72	34.21 -0.27 -37.43	41.17 -0.36 -45.36	96.85 -1.27 -110.52	44.38 0.29 -41.54	49.05 -1.10 -59.56	42.35 -0.70 -48.87	64.95 -1.09 -74.27	38.86 -0.19 -40.54	38.64 -0.27 -41.05	33.72 -0.71 -40.28	30.36 0.31 -27.31	28.62 -0.61 -34.64

REVERE_CPPR_DRP 24186	-3.56 -0.33 -15.99	-29.83 -0.51 -7.79	-9.21 -0.19 -7.39	11.15 0.04 -7.79	5.27 -0.02 -6.69	-9.55 -0.21 -3.77	33.94 0.14 -26.78	39.12 0.08 -34.98	19.54 0.05 -17.28	8.60 -0.06 -11.06	10.94 -0.02 -12.85	56.84 -0.02 -58.48	59.00 -0.04 -61.99	4.50 -0.06 -8.40	-2.72 -0.13 -9.81	13.66 0.02 -11.09	1.54 -0.12 -11.06	3.12 -0.09 -9.04	0.75 -0.10 -9.08	5.32 -0.02 -6.83	1.89 -0.03 -4.07	-0.75 -0.07 -5.17	11.76 0.03 -9.00	1.11 -0.04 -6.56
REYNOLDS_115KV_TB3 80639	50.40 -0.22 -69.84	53.20 -0.44 -90.75	40.28 -0.19 -56.87	32.48 0.05 -29.12	35.85 -0.02 -37.27	40.27 -0.18 -53.56	33.50 0.08 -26.40	29.72 0.03 -25.63	43.67 0.02 -41.43	41.92 -0.01 -44.33	37.69 -0.04 -39.62	29.27 -0.03 -30.92	33.23 -0.05 -36.23	40.01 -0.06 -43.91	94.34 -0.23 -106.97	42.79 0.04 -40.21	48.07 -0.18 -57.64	41.38 -0.10 -47.30	63.50 -0.15 -71.88	37.72 -0.03 -39.24	37.55 -0.04 -39.73	33.04 -0.10 -38.98	29.21 0.04 -26.43	28.03 -0.08 -33.52
RIVERBAY____ 323610	33.49 -0.91 -53.63	30.79 -1.79 -69.69	26.45 -0.83 -43.67	25.84 0.17 -22.36	27.15 -0.07 -28.62	27.35 -0.66 -41.13	29.64 0.37 -22.25	31.63 0.23 -27.35	46.84 0.15 -44.48	31.62 -0.03 -34.04	38.28 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.39 -0.28 -35.51	74.12 -0.79 -87.31	35.56 0.18 -32.84	37.07 -0.62 -47.09	32.44 -0.38 -38.64	50.01 -0.48 -58.72	30.48 -0.09 -32.05	30.20 -0.11 -32.46	25.67 -0.33 -31.84	24.48 0.15 -21.59	21.69 -0.29 -27.38
RIVERSDE_115KV_TB3 55908	50.63 -0.18 -70.04	53.54 -0.36 -91.01	40.48 -0.15 -57.03	32.55 0.03 -29.20	35.96 -0.02 -37.37	40.45 -0.15 -53.71	33.55 0.07 -26.46	29.73 0.03 -25.65	43.73 0.02 -41.51	42.05 -0.01 -44.45	37.76 -0.04 -39.70	29.31 -0.03 -30.96	33.32 -0.05 -36.32	40.11 -0.06 -44.02	94.61 -0.22 -107.23	42.88 0.03 -40.30	48.22 -0.17 -57.78	41.50 -0.10 -47.42	63.69 -0.14 -72.05	37.81 -0.03 -39.33	37.65 -0.04 -39.83	33.14 -0.09 -39.08	29.28 0.04 -26.50	28.13 -0.07 -33.61
ROARING__BROOK_WT_PWR 323790	-21.59 1.26 3.62	-36.53 1.94 1.36	-17.33 0.71 1.64	-0.72 -0.11 3.92	-4.43 0.05 3.08	-13.65 0.46 0.99	-8.30 -0.13 15.19	-16.15 -0.12 20.08	-7.15 -0.06 9.30	-3.79 0.14 1.54	-3.82 0.05 1.98	-19.87 0.06 18.30	-22.27 0.17 19.48	-3.99 0.23 0.38	-11.85 0.78 0.23	1.84 -0.15 0.56	-10.22 0.57 1.39	-6.22 0.26 0.66	-8.25 0.37 0.39	-2.99 0.06 1.56	-3.43 0.07 1.35	-5.64 0.25 0.05	2.07 -0.13 0.54	-5.14 0.27 0.00
ROCHESRG_115KV_T4 355643	-12.94 -0.79 -7.07	-30.44 -1.43 -8.10	-11.91 -0.59 -5.07	6.03 0.11 -2.60	1.87 -0.05 -3.33	-8.76 -0.42 -4.78	9.48 0.17 -2.30	6.22 0.10 -2.06	5.69 0.03 -3.44	1.41 -0.15 -3.95	1.83 -0.02 -3.75	1.26 0.00 -2.88	0.72 0.00 -3.66	0.60 0.00 -4.44	-1.67 -0.11 -10.83	6.63 0.01 -4.07	-3.67 -0.11 -5.84	-1.05 -0.02 -4.79	-1.00 -0.06 -7.28	2.47 -0.02 -3.97	1.85 -0.03 -4.02	-2.00 -0.10 -3.95	5.49 0.07 -2.68	-2.17 -0.15 -3.39
ROCHESTER_9_IC 23652	-12.98 -0.93 -7.17	-30.64 -1.69 -8.16	-11.99 -0.71 -5.11	6.07 0.13 -2.62	1.89 -0.06 -3.35	-8.81 -0.51 -4.81	9.55 0.22 -2.32	6.26 0.13 -2.08	5.73 0.05 -3.47	1.42 -0.17 -3.98	1.85 -0.03 -3.77	1.27 -0.02 -2.91	0.72 -0.02 -3.69	0.60 -0.03 -4.47	-1.68 -0.19 -10.91	6.67 0.03 -4.10	-3.69 -0.17 -5.88	-1.06 -0.06 -4.82	-1.01 -0.11 -7.33	2.48 -0.03 -4.00	1.86 -0.05 -4.05	-2.01 -0.14 -3.98	5.52 0.09 -2.70	-2.18 -0.19 -3.42
ROCKVIEW_13_KV_LD 356306	33.61 -0.80 -53.63	31.05 -1.53 -69.69	26.59 -0.69 -43.68	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.47 -0.55 -41.13	29.58 0.31 -22.25	31.59 0.19 -27.35	46.80 0.12 -44.47	31.59 -0.06 -34.04	38.28 -0.10 -40.27	35.34 -0.11 -37.07	26.12 -0.20 -29.27	31.41 -0.26 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.02 -0.47 -58.72	30.48 -0.08 -32.05	30.21 -0.11 -32.46	25.69 -0.31 -31.84	24.48 0.15 -21.59	21.71 -0.26 -27.39
ROME____115KV_TB2 80656	-3.56 -0.33 -15.99	-29.83 -0.51 -7.79	-9.21 -0.19 -7.39	11.15 0.04 -7.79	5.27 -0.02 -6.69	-9.55 -0.21 -3.77	33.94 0.14 -26.78	39.12 0.08 -34.98	19.54 0.05 -17.28	8.60 -0.06 -11.06	10.94 -0.02 -12.85	56.84 -0.02 -58.48	59.00 -0.04 -61.99	4.50 -0.06 -8.40	-2.72 -0.13 -9.81	13.66 0.02 -11.09	1.54 -0.12 -11.06	3.12 -0.09 -9.04	0.75 -0.10 -9.08	5.32 -0.02 -6.83	1.89 -0.03 -4.07	-0.75 -0.07 -5.17	11.76 0.03 -9.00	1.11 -0.04 -6.56
ROSETON__1 23587	34.47 -0.52 -54.22	32.34 -1.00 -70.45	27.30 -0.45 -44.15	26.01 0.10 -22.60	27.49 -0.04 -28.93	28.10 -0.36 -41.58	25.94 0.20 -18.72	17.20 0.13 -13.02	32.26 0.08 -29.98	31.98 -0.03 -34.41	28.72 -0.07 -30.68	21.55 -0.07 -23.25	26.43 -0.14 -29.51	31.76 -0.18 -35.78	74.38 -0.55 -87.33	35.49 0.12 -32.83	37.23 -0.44 -47.07	32.54 -0.27 -38.62	50.12 -0.34 -58.69	30.49 -0.06 -32.04	30.22 -0.08 -32.44	25.76 -0.22 -31.83	24.43 0.10 -21.58	21.77 -0.19 -27.37
ROSETON__2 23588	34.47 -0.52 -54.22	32.34 -1.00 -70.45	27.30 -0.45 -44.15	26.01 0.10 -22.60	27.49 -0.04 -28.93	28.10 -0.36 -41.58	25.94 0.20 -18.72	17.20 0.13 -13.02	32.26 0.08 -29.98	31.98 -0.03 -34.41	28.72 -0.07 -30.68	21.55 -0.07 -23.25	26.43 -0.14 -29.51	31.76 -0.18 -35.78	74.38 -0.55 -87.33	35.49 0.12 -32.83	37.23 -0.44 -47.07	32.54 -0.27 -38.62	50.12 -0.34 -58.69	30.49 -0.06 -32.04	30.22 -0.08 -32.44	25.76 -0.22 -31.83	24.43 0.10 -21.58	21.77 -0.19 -27.37
ROTTTRDAM_115KV_TB3 80664	53.66 -0.57 -73.45	57.26 -1.08 -95.44	42.94 -0.48 -59.81	34.03 0.10 -30.62	37.75 -0.04 -39.19	42.82 -0.39 -56.33	34.88 0.21 -27.66	30.72 0.11 -26.55	45.44 0.07 -43.16	44.17 -0.06 -46.62	39.27 -0.07 -41.23	30.31 -0.05 -31.99	34.84 -0.09 -37.88	41.95 -0.12 -45.91	99.06 -0.40 -111.86	44.67 0.08 -42.04	50.57 -0.31 -60.28	43.44 -0.20 -49.46	66.65 -0.29 -75.16	39.49 -0.05 -41.03	39.33 -0.07 -41.55	34.72 -0.20 -40.76	30.47 0.09 -27.64	29.48 -0.16 -35.06
RUSSELL__1 23602	-13.10 -1.05 -7.17	-30.85 -1.90 -8.16	-12.08 -0.79 -5.11	6.08 0.15 -2.62	1.88 -0.07 -3.35	-8.88 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.06 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.21 -0.21 -3.42
RUSSELL__2 23532	-13.10 -1.05 -7.17	-30.85 -1.90 -8.16	-12.08 -0.79 -5.11	6.08 0.15 -2.62	1.88 -0.07 -3.35	-8.88 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.06 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.21 -0.21 -3.42
RUSSELL__3 23549	-13.10 -1.05 -7.17	-30.85 -1.90 -8.16	-12.08 -0.79 -5.11	6.08 0.15 -2.62	1.88 -0.07 -3.35	-8.88 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.06 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.21 -0.21 -3.42

RUSSELL___4 23556	-13.10 -1.05 -7.17	-30.85 -1.90 -8.16	-12.08 -0.79 -5.11	6.08 0.15 -2.62	1.88 -0.07 -3.35	-8.88 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.06 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.21 -0.21 -3.42
RUSSELL___STATION 23914	-13.10 -1.05 -7.17	-30.85 -1.90 -8.16	-12.08 -0.79 -5.11	6.08 0.15 -2.62	1.88 -0.07 -3.35	-8.88 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.06 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.21 -0.21 -3.42
S SALMON___HYD 24043	-14.91 0.42 -3.89	-30.30 0.87 -5.94	-11.84 0.38 -4.18	14.29 -0.06 -11.04	8.11 0.03 -9.48	-7.50 0.26 -5.35	44.84 -0.10 -37.93	53.52 -0.07 -49.53	26.66 -0.03 -24.48	-4.40 0.04 2.04	-4.35 0.05 2.51	12.33 0.05 -13.91	12.98 0.10 -15.82	-7.12 0.12 3.40	-10.42 0.38 -1.60	-3.88 -0.08 6.34	-9.61 0.32 0.53	-8.17 0.19 2.54	-8.90 0.22 0.89	1.79 0.04 -3.24	3.66 0.04 -5.76	-7.25 0.15 1.55	-2.81 -0.07 5.48	-9.35 0.14 4.08
S.PERRY___115KV_TB1 80734	-3.47 -1.31 -17.07	-28.19 -2.49 -11.40	-10.30 -1.05 -7.15	7.18 0.20 -3.66	3.19 -0.09 -4.68	-7.17 -0.79 -6.73	10.65 0.40 -3.24	7.20 0.23 -2.90	7.17 0.11 -4.85	2.96 -0.22 -5.57	3.37 -0.01 -5.28	2.43 0.00 -4.06	2.18 -0.03 -5.15	2.37 -0.05 -6.25	2.57 -0.28 -15.25	8.35 0.07 -5.73	-1.36 -0.17 -8.22	0.87 -0.05 -6.75	1.86 -0.17 -10.25	4.06 -0.04 -5.60	3.45 -0.08 -5.67	-0.53 -0.24 -5.56	6.64 0.14 -3.77	-0.91 -0.28 -4.78
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	-11.67 -1.15 -8.70	-28.68 -2.14 -10.58	-10.65 -0.88 -6.63	6.88 0.17 -3.39	2.87 -0.08 -4.34	-7.51 -0.64 -6.24	10.24 0.22 -3.00	6.90 0.15 -2.69	6.76 0.05 -4.50	2.54 -0.23 -5.17	2.99 -0.01 -4.89	2.15 0.01 -3.77	1.86 0.03 -4.78	1.99 0.03 -5.80	1.69 -0.05 -14.14	7.90 0.03 -5.31	-1.84 -0.07 -7.62	0.46 0.03 -6.25	1.27 -0.01 -9.50	3.68 -0.01 -5.19	3.09 -0.03 -5.25	-0.80 -0.11 -5.15	6.33 0.10 -3.49	-1.20 -0.22 -4.43
SAWYER___23_KV_LOAD 55526	-11.67 -1.15 -8.70	-28.68 -2.14 -10.58	-10.65 -0.88 -6.63	6.88 0.17 -3.39	2.87 -0.08 -4.34	-7.51 -0.64 -6.24	10.24 0.22 -3.00	6.90 0.15 -2.69	6.76 0.05 -4.50	2.54 -0.23 -5.17	2.99 -0.01 -4.89	2.15 0.01 -3.77	1.86 0.03 -4.78	1.99 0.03 -5.80	1.69 -0.05 -14.14	7.90 0.03 -5.31	-1.84 -0.07 -7.62	0.46 0.03 -6.25	1.27 -0.01 -9.50	3.68 -0.01 -5.19	3.09 -0.03 -5.25	-0.80 -0.11 -5.15	6.33 0.10 -3.49	-1.20 -0.22 -4.43
SELKIRK___I 23801	48.85 -0.34 -68.42	51.12 -0.67 -88.90	39.02 -0.29 -55.72	31.90 0.07 -28.52	35.08 -0.03 -36.51	39.09 -0.26 -52.47	32.93 0.13 -25.78	28.94 0.07 -24.81	42.62 0.04 -40.37	41.00 -0.04 -43.43	36.79 -0.05 -38.73	28.47 -0.03 -30.13	32.58 -0.06 -35.59	39.22 -0.08 -43.14	92.43 -0.27 -105.10	42.10 0.05 -39.50	47.03 -0.21 -56.64	40.53 -0.13 -46.48	62.21 -0.19 -70.62	37.03 -0.04 -38.55	36.84 -0.05 -39.04	32.32 -0.13 -38.30	28.77 0.06 -25.97	27.42 -0.11 -32.94
SELKIRK___II 23799	49.91 -0.22 -69.35	52.59 -0.42 -90.12	39.89 -0.18 -56.48	32.27 0.05 -28.91	35.59 -0.02 -37.01	39.91 -0.16 -53.19	33.27 0.09 -26.17	29.37 0.04 -25.28	43.26 0.03 -41.02	41.62 -0.01 -44.02	37.35 -0.04 -39.28	28.95 -0.03 -30.60	33.00 -0.05 -35.99	39.72 -0.07 -43.62	93.65 -0.23 -106.28	42.53 0.04 -39.95	47.70 -0.17 -57.28	41.07 -0.11 -46.99	63.04 -0.15 -71.42	37.47 -0.03 -38.99	37.30 -0.04 -39.48	32.78 -0.10 -38.73	29.05 0.05 -26.26	27.82 -0.08 -33.31
SENECA OSWGO___HYD 24041	-14.23 0.01 -4.99	-31.03 0.05 -6.03	-12.33 0.04 -4.03	7.94 -0.01 -4.64	3.14 0.01 -4.53	-9.06 0.05 -4.01	19.63 -0.02 -12.63	20.07 -0.01 -16.03	11.33 -0.01 -9.13	-0.39 -0.01 -2.02	0.00 0.02 -1.88	6.63 0.01 -8.24	6.40 0.02 -9.32	-2.06 0.03 -1.76	-5.97 0.08 -6.35	3.46 -0.02 -0.93	-5.97 0.07 -3.36	-3.58 0.05 -2.20	-4.29 0.06 -3.88	1.73 0.01 -3.21	1.62 0.01 -3.76	-3.99 0.03 -1.83	3.08 -0.01 -0.36	-4.42 0.03 -0.96
SENECA___115KV_TB3 355854	-11.39 -1.26 -9.09	-28.47 -2.40 -11.04	-10.47 -0.99 -6.92	7.05 0.19 -3.54	3.05 -0.09 -4.54	-7.32 -0.73 -6.52	10.43 0.28 -3.13	7.06 0.19 -2.81	6.98 0.07 -4.70	2.75 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 -0.01 -4.99	2.20 -0.01 -6.05	2.19 -0.18 -14.77	8.16 0.07 -5.55	-1.57 -0.13 -7.96	0.69 -0.02 -6.53	1.63 -0.07 -9.92	3.90 -0.02 -5.42	3.30 -0.04 -5.49	-0.62 -0.15 -5.38	6.51 0.12 -3.65	-1.03 -0.25 -4.63
SENECA___ENERGY 23797	-12.38 -0.44 -7.28	-29.33 -0.85 -8.63	-11.35 -0.35 -5.41	6.15 0.06 -2.77	2.11 -0.03 -3.54	-8.26 -0.24 -5.09	9.60 0.13 -2.45	6.35 0.09 -2.20	5.92 0.04 -3.67	1.74 -0.08 -4.21	2.09 -0.01 -3.99	1.45 0.00 -3.07	0.95 -0.01 -3.90	0.87 -0.02 -4.73	-0.97 -0.12 -11.54	6.91 0.03 -4.34	-3.23 -0.05 -6.22	-0.73 -0.02 -5.11	-0.50 -0.04 -7.76	2.74 -0.01 -4.24	2.13 -0.01 -4.29	-1.70 -0.06 -4.21	5.63 0.04 -2.85	-1.86 -0.07 -3.62
SHOEMAKER___GT 23640	28.05 -0.53 -47.81	23.98 -1.02 -62.12	22.06 -0.47 -38.93	23.34 0.09 -19.93	24.07 -0.04 -25.51	23.18 -0.37 -36.66	23.16 0.20 -15.94	13.49 0.12 -9.31	19.29 0.08 -17.01	27.91 -0.04 -30.34	18.62 -0.06 -20.58	9.21 -0.06 -10.90	23.79 -0.12 -26.86	28.57 -0.16 -32.57	66.93 -0.49 -79.82	32.67 0.11 -30.02	33.25 -0.39 -43.04	29.26 -0.24 -35.32	45.12 -0.32 -53.66	27.75 -0.06 -29.30	27.45 -0.07 -29.66	23.04 -0.21 -29.10	22.57 0.10 -19.73	19.43 -0.18 -25.03
SHOEMAKR_138KV_BK 111 55601	27.65 -0.51 -47.38	23.47 -0.98 -61.56	21.73 -0.45 -38.58	23.16 0.09 -19.75	23.84 -0.04 -25.28	22.87 -0.35 -36.33	23.05 0.20 -15.84	13.54 0.12 -9.36	19.55 0.07 -17.28	27.64 -0.04 -30.07	18.77 -0.06 -20.72	9.56 -0.06 -11.25	23.61 -0.12 -26.68	28.36 -0.16 -32.35	66.39 -0.49 -79.28	32.47 0.11 -29.81	32.96 -0.39 -42.75	29.02 -0.24 -35.07	44.76 -0.31 -53.30	27.55 -0.05 -29.10	27.25 -0.07 -29.46	22.85 -0.21 -28.91	22.43 0.10 -19.60	19.27 -0.18 -24.86
SHOREHAM_IC_1 23715	33.06 -1.37 -53.66	29.61 -3.01 -69.72	25.90 -1.41 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.96 -1.07 -41.15	29.88 0.60 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.49 -0.20 -77.59	117.77 -0.19 -119.59	35.09 -0.33 -38.37	32.06 -0.44 -36.34	83.14 -1.13 -96.67	97.84 0.26 -95.03	207.53 -1.01 -217.94	313.93 -0.58 -320.33	273.95 -0.75 -282.92	67.08 -0.15 -68.72	30.11 -0.21 -32.46	25.39 -0.61 -31.85	24.66 0.31 -21.60	21.50 -0.50 -27.40
SHOREHAM_IC_2 23716	33.06 -1.37 -53.66	29.61 -3.01 -69.72	25.90 -1.41 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.96 -1.07 -41.15	29.88 0.60 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.49 -0.20 -77.59	117.77 -0.19 -119.59	35.09 -0.33 -38.37	32.06 -0.44 -36.34	83.14 -1.13 -96.67	97.84 0.26 -95.03	207.53 -1.01 -217.94	313.93 -0.58 -320.33	273.95 -0.75 -282.92	67.08 -0.15 -68.72	30.11 -0.21 -32.46	25.39 -0.61 -31.85	24.66 0.31 -21.60	21.50 -0.50 -27.40

SISSONVILLE____ 23735	-102.61 3.23 86.62	-59.81 6.49 29.18	-50.01 2.83 36.44	-71.61 -0.55 74.38	-59.37 0.23 58.20	-28.91 2.02 17.81	-284.03 -1.16 289.88	-380.15 -0.73 383.48	-175.12 -0.38 176.95	-48.24 0.42 46.27	-59.21 0.34 57.66	-419.83 0.29 418.50	-446.41 0.54 444.00	-24.79 0.65 21.60	-24.38 2.16 14.14	-29.67 -0.40 31.81	-49.12 1.67 41.39	-31.64 1.00 26.82	-26.40 1.41 19.57	-36.53 0.26 35.30	-26.73 0.34 24.93	-13.67 0.97 8.79	-25.68 -0.50 27.92	-17.08 0.93 12.59
SITHE_IND_GS1 24169	-15.69 0.29 -3.25	-32.30 0.58 -4.22	-13.49 0.27 -2.65	4.61 -0.06 -1.36	0.36 0.03 -1.73	-10.40 0.23 -2.49	8.09 -0.12 -1.20	5.06 -0.07 -1.08	3.96 -0.04 -1.79	-0.31 0.03 -2.06	0.10 0.04 -1.96	-0.08 0.04 -1.51	-0.97 0.06 -1.91	-1.43 0.08 -2.32	-6.48 0.26 -5.65	4.61 -0.06 -2.13	-6.15 0.20 -3.05	-3.19 0.13 -2.50	-4.25 0.18 -3.80	0.62 0.03 -2.07	0.00 0.04 -2.10	-3.67 0.11 -2.06	4.08 -0.05 -1.40	-3.54 0.10 -1.77
SITHE_IND_GS2 24170	-15.69 0.29 -3.25	-32.30 0.58 -4.22	-13.49 0.27 -2.65	4.61 -0.06 -1.36	0.36 0.03 -1.73	-10.40 0.23 -2.49	8.09 -0.12 -1.20	5.06 -0.07 -1.08	3.96 -0.04 -1.79	-0.31 0.03 -2.06	0.10 0.04 -1.96	-0.08 0.04 -1.51	-0.97 0.06 -1.91	-1.43 0.08 -2.32	-6.48 0.26 -5.65	4.61 -0.06 -2.13	-6.15 0.20 -3.05	-3.19 0.13 -2.50	-4.25 0.18 -3.80	0.62 0.03 -2.07	0.00 0.04 -2.10	-3.67 0.11 -2.06	4.08 -0.05 -1.40	-3.54 0.10 -1.77
SITHE_IND_GS3 24171	-15.69 0.29 -3.25	-32.30 0.58 -4.22	-13.49 0.27 -2.65	4.61 -0.06 -1.36	0.36 0.03 -1.73	-10.40 0.23 -2.49	8.09 -0.12 -1.20	5.06 -0.07 -1.08	3.96 -0.04 -1.79	-0.31 0.03 -2.06	0.10 0.04 -1.96	-0.08 0.04 -1.51	-0.97 0.06 -1.91	-1.43 0.08 -2.32	-6.48 0.26 -5.65	4.61 -0.06 -2.13	-6.15 0.20 -3.05	-3.19 0.13 -2.50	-4.25 0.18 -3.80	0.62 0.03 -2.07	0.00 0.04 -2.10	-3.67 0.11 -2.06	4.08 -0.05 -1.40	-3.54 0.10 -1.77
SITHE_IND_GS4 24172	-15.69 0.29 -3.25	-32.30 0.58 -4.22	-13.49 0.27 -2.65	4.61 -0.06 -1.36	0.36 0.03 -1.73	-10.40 0.23 -2.49	8.09 -0.12 -1.20	5.06 -0.07 -1.08	3.96 -0.04 -1.79	-0.31 0.03 -2.06	0.10 0.04 -1.96	-0.08 0.04 -1.51	-0.97 0.06 -1.91	-1.43 0.08 -2.32	-6.48 0.26 -5.65	4.61 -0.06 -2.13	-6.15 0.20 -3.05	-3.19 0.13 -2.50	-4.25 0.18 -3.80	0.62 0.03 -2.07	0.00 0.04 -2.10	-3.67 0.11 -2.06	4.08 -0.05 -1.40	-3.54 0.10 -1.77
SITHE____BATAVIA 24024	-12.92 -1.63 -7.94	-30.77 -3.01 -9.35	-11.81 -1.27 -5.86	6.56 0.25 -3.00	2.33 -0.11 -3.84	-8.55 -0.95 -5.52	10.06 0.39 -2.65	6.69 0.25 -2.38	6.30 0.11 -3.98	1.89 -0.28 -4.57	2.39 -0.04 -4.32	1.68 -0.02 -3.33	1.23 -0.05 -4.23	1.20 -0.08 -5.12	-0.24 -0.34 -12.50	7.35 0.11 -4.70	-2.93 -0.27 -6.74	-0.42 -0.13 -5.53	-0.06 -0.23 -8.40	3.04 -0.05 -4.58	2.42 -0.08 -4.64	-1.53 -0.24 -4.55	6.00 0.17 -3.09	-1.82 -0.33 -3.92
SITHE____INDEPEND 23800	-15.69 0.29 -3.25	-32.31 0.58 -4.22	-13.49 0.27 -2.65	4.61 -0.06 -1.36	0.36 0.03 -1.73	-10.39 0.23 -2.49	8.09 -0.12 -1.20	5.06 -0.07 -1.08	3.96 -0.04 -1.79	-0.31 0.03 -2.06	0.10 0.04 -1.96	-0.08 0.04 -1.51	-0.97 0.06 -1.91	-1.44 0.08 -2.32	-6.48 0.26 -5.65	4.61 -0.06 -2.13	-6.15 0.20 -3.05	-3.19 0.13 -2.50	-4.25 0.18 -3.80	0.62 0.03 -2.07	0.00 0.04 -2.10	-3.67 0.11 -2.06	4.08 -0.05 -1.40	-3.54 0.10 -1.77
SITHE____MASSENA 23902	-80.86 2.86 64.50	-52.95 5.80 21.63	-41.01 2.50 27.11	-52.84 -0.52 55.63	-44.71 0.19 43.50	-24.60 1.76 13.24	-211.01 -1.07 216.96	-283.64 -0.67 287.02	-130.54 -0.35 132.39	-36.35 0.39 34.34	-44.41 0.31 42.84	-313.74 0.27 312.38	-333.87 0.49 331.41	-19.14 0.60 15.90	-20.71 1.92 10.23	-21.26 -0.34 23.46	-38.54 1.53 30.67	-24.71 0.91 19.79	-21.31 1.26 14.35	-27.53 0.23 26.27	-20.42 0.31 18.59	-11.37 0.87 6.40	-18.35 -0.46 20.62	-13.78 0.82 9.20
SITHE____OGDNSBRG 24021	-94.49 2.76 78.03	-57.75 5.61 26.25	-46.78 2.44 32.82	-64.26 -0.47 67.10	-53.70 0.19 52.49	-27.44 1.71 16.04	-255.55 -1.01 261.56	-342.61 -0.64 346.02	-157.78 -0.34 159.64	-43.66 0.37 41.63	-53.49 0.30 51.90	-378.65 0.26 377.28	-402.74 0.48 400.27	-22.64 0.58 19.39	-23.12 1.90 12.62	-26.36 -0.34 28.57	-45.13 1.50 37.23	-29.04 0.87 24.09	-24.55 1.22 17.54	-33.06 0.22 31.79	-24.32 0.30 22.47	-12.88 0.83 7.86	-22.79 -0.45 25.08	-15.88 0.80 11.27
SITHE____STERLING 23777	-8.64 -0.36 -10.94	-31.14 -0.62 -6.59	-11.04 -0.26 -5.62	8.80 0.05 -5.44	3.50 -0.02 -4.92	-9.90 -0.23 -3.45	24.31 0.14 -17.16	26.33 0.08 -22.19	13.78 0.04 -11.52	4.92 -0.06 -7.38	6.46 -0.03 -8.38	33.79 -0.02 -35.44	34.74 -0.04 -37.73	2.00 -0.06 -5.90	-4.22 -0.14 -8.32	9.91 0.03 -7.33	-1.67 -0.12 -7.85	0.46 -0.09 -6.37	-1.32 -0.11 -7.01	3.50 -0.02 -5.01	1.28 -0.03 -3.46	-2.01 -0.08 -3.92	8.57 0.03 -5.80	-0.91 -0.06 -4.56
SLEIGHT__34_KV_TB1 80719	-13.38 -0.82 -6.66	-30.60 -1.58 -8.09	-12.01 -0.68 -5.07	6.04 0.12 -2.59	1.87 -0.05 -3.32	-8.81 -0.46 -4.77	9.58 0.27 -2.29	6.29 0.17 -2.06	5.74 0.09 -3.44	1.44 -0.12 -3.95	1.80 -0.05 -3.74	1.22 -0.04 -2.88	0.64 -0.08 -3.66	0.49 -0.11 -4.44	-1.97 -0.39 -10.82	6.69 0.08 -4.07	-3.84 -0.27 -5.83	-1.19 -0.15 -4.79	-1.17 -0.22 -7.27	2.44 -0.04 -3.97	1.82 -0.06 -4.02	-2.08 -0.17 -3.94	5.50 0.09 -2.67	-2.19 -0.17 -3.39
SOUTH CAIRO____GT 23612	45.19 -0.93 -65.34	46.06 -1.74 -84.90	36.06 -0.75 -53.21	30.72 0.16 -27.24	33.40 -0.07 -34.87	36.36 -0.63 -50.11	31.89 0.35 -24.53	27.57 0.20 -23.31	40.56 0.12 -38.23	38.97 -0.11 -41.47	34.98 -0.10 -36.97	26.92 -0.06 -28.60	31.23 -0.10 -34.28	37.58 -0.14 -41.55	88.35 -0.52 -101.27	40.72 0.11 -38.07	44.78 -0.40 -54.58	38.70 -0.26 -44.78	59.38 -0.45 -68.05	35.57 -0.09 -37.15	35.35 -0.13 -37.62	30.73 -0.33 -36.91	27.92 0.16 -25.02	26.06 -0.27 -31.74
SOUTH HAMPTN____IC 23720	32.68 -1.76 -53.66	28.88 -3.74 -69.72	25.59 -1.71 -43.70	26.04 0.36 -22.37	27.09 -0.14 -28.63	26.71 -1.33 -41.15	30.02 0.74 -22.25	31.84 0.46 -27.32	46.88 0.30 -44.37	31.43 -0.24 -34.06	75.45 -0.25 -77.60	117.72 -0.24 -119.58	34.89 -0.41 -38.24	31.95 -0.55 -36.34	82.39 -1.50 -96.29	96.94 0.34 -94.05	205.35 -1.29 -216.04	311.96 -0.77 -318.55	273.40 -1.02 -282.64	67.05 -0.19 -68.73	30.05 -0.27 -32.46	25.25 -0.76 -31.85	24.73 0.39 -21.60	21.37 -0.62 -27.40
SOUTHDOW_115KV_TB1 355954	-10.39 -1.04 -9.87	-27.66 -2.31 -11.76	-9.94 -0.91 -7.37	7.26 0.17 -3.77	3.34 -0.09 -4.83	-6.93 -0.75 -6.94	10.64 0.29 -3.34	7.25 0.20 -3.00	7.28 0.07 -5.00	3.14 -0.20 -5.74	3.55 0.00 -5.44	2.57 0.01 -4.19	2.39 0.01 -5.31	2.61 0.01 -6.44	3.17 -0.15 -15.72	8.53 0.08 -5.91	-0.98 -0.05 -8.47	1.15 0.02 -6.95	2.33 -0.01 -10.57	4.26 -0.02 -5.77	3.65 -0.05 -5.84	-0.29 -0.17 -5.73	6.76 0.13 -3.88	-0.76 -0.27 -4.93
SOUTHOLD_69_KV_BK 2 55809	32.20 -2.24 -53.66	27.96 -4.65 -69.72	25.19 -2.11 -43.70	26.12 0.43 -22.37	27.05 -0.18 -28.63	26.38 -1.65 -41.15	30.19 0.91 -22.25	31.95 0.57 -27.32	46.94 0.36 -44.37	31.35 -0.31 -34.06	75.37 -0.31 -77.58	117.63 -0.28 -119.54	34.80 -0.50 -38.25	31.83 -0.67 -36.34	82.00 -1.90 -96.30	97.01 0.42 -94.04	205.01 -1.58 -215.99	311.77 -0.85 -318.45	273.18 -1.13 -282.54	66.99 -0.23 -68.71	29.99 -0.33 -32.46	25.07 -0.93 -31.85	24.81 0.47 -21.60	21.21 -0.78 -27.40

SOUTHOLD___IC 23719	32.20 -2.24 -53.66	27.96 -4.65 -69.72	25.19 -2.11 -43.70	26.12 0.44 -22.37	27.05 -0.18 -28.63	26.38 -1.65 -41.15	30.19 0.91 -22.25	31.95 0.57 -27.32	46.94 0.36 -44.37	31.35 -0.31 -34.06	75.38 -0.31 -77.58	117.63 -0.28 -119.54	34.80 -0.50 -38.25	31.83 -0.67 -36.34	82.00 -1.90 -96.30	97.01 0.42 -94.04	205.00 -1.59 -215.99	311.77 -0.85 -318.45	273.18 -1.14 -282.54	66.99 -0.23 -68.72	29.99 -0.33 -32.46	25.07 -0.93 -31.85	24.81 0.47 -21.60	21.21 -0.78 -27.40
SPIERFLS_115KV_TB 1 80737	52.20 -1.17 -72.59	55.11 -2.10 -94.32	41.80 -0.91 -59.11	33.77 0.19 -30.26	37.25 -0.08 -38.73	41.79 -0.76 -55.67	34.79 0.40 -27.36	30.63 0.22 -26.36	45.09 0.12 -42.77	43.55 -0.13 -46.07	38.86 -0.11 -40.86	30.06 -0.07 -31.75	34.41 -0.12 -37.48	41.42 -0.17 -45.43	97.68 -0.60 -110.68	44.27 0.13 -41.60	49.68 -0.56 -59.65	42.77 -0.35 -48.94	65.59 -0.55 -74.38	39.01 -0.10 -40.60	38.83 -0.14 -41.11	34.13 -0.36 -40.34	30.25 0.16 -27.35	28.98 -0.30 -34.69
ST LAWRENCE___ 23600	-76.13 3.01 59.92	-51.10 6.08 20.07	-38.95 2.63 25.18	-48.99 -0.55 51.76	-41.66 0.20 40.46	-23.55 1.87 12.30	-195.99 -1.13 201.87	-263.73 -0.71 267.08	-121.35 -0.37 123.18	-33.86 0.41 31.88	-41.45 0.33 39.88	-291.78 0.28 290.44	-310.56 0.52 308.14	-17.91 0.64 14.72	-19.77 2.04 9.42	-19.56 -0.36 21.74	-36.23 1.62 28.46	-23.20 0.97 18.34	-20.15 1.34 13.26	-25.65 0.25 24.40	-19.09 0.33 17.28	-10.82 0.93 5.90	-16.87 -0.49 19.12	-13.03 0.87 8.50
STATE_CA_115KV_115_LB 55624	51.14 -0.23 -70.59	54.18 -0.43 -91.72	40.90 -0.18 -57.48	32.79 0.05 -29.43	36.25 -0.02 -37.66	40.85 -0.17 -54.14	33.75 0.08 -26.65	29.87 0.04 -25.78	44.00 0.03 -41.76	42.39 -0.02 -44.80	38.00 -0.04 -39.93	29.46 -0.03 -31.11	33.56 -0.06 -36.57	40.40 -0.08 -44.32	95.31 -0.26 -107.97	43.17 0.05 -40.58	48.59 -0.20 -58.18	41.80 -0.12 -47.74	64.16 -0.16 -72.55	38.08 -0.03 -39.61	37.92 -0.04 -40.10	33.40 -0.10 -39.35	29.46 0.04 -26.68	28.35 -0.07 -33.84
STATE_ST_34_KV_LOAD 55959	-12.99 -0.67 -6.91	-29.87 -1.29 -8.52	-11.64 -0.58 -5.34	6.16 0.11 -2.73	2.05 -0.05 -3.50	-8.47 -0.39 -5.03	9.67 0.23 -2.42	6.38 0.15 -2.17	5.91 0.08 -3.63	1.68 -0.09 -4.16	2.01 -0.04 -3.95	1.39 -0.02 -3.04	0.87 -0.04 -3.86	0.78 -0.06 -4.68	-1.30 -0.31 -11.41	6.90 0.07 -4.29	-3.46 -0.21 -6.15	-0.90 -0.13 -5.05	-0.74 -0.18 -7.67	2.66 -0.03 -4.19	2.04 -0.05 -4.24	-1.83 -0.14 -4.16	5.63 0.07 -2.82	-1.97 -0.13 -3.57
STATION 5_MISC_HYD 23604	-12.98 -0.93 -7.17	-30.65 -1.69 -8.16	-11.99 -0.70 -5.11	6.07 0.14 -2.62	1.89 -0.06 -3.35	-8.81 -0.51 -4.81	9.55 0.22 -2.32	6.26 0.13 -2.08	5.73 0.05 -3.47	1.42 -0.17 -3.98	1.85 -0.03 -3.77	1.27 -0.02 -2.91	0.72 -0.02 -3.69	0.60 -0.03 -4.47	-1.68 -0.19 -10.91	6.67 0.03 -4.10	-3.70 -0.18 -5.88	-1.06 -0.06 -4.82	-1.01 -0.11 -7.33	2.48 -0.03 -4.00	1.86 -0.05 -4.05	-2.01 -0.14 -3.98	5.52 0.09 -2.70	-2.18 -0.19 -3.42
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	-12.87 -0.75 -7.10	-30.33 -1.38 -8.17	-11.86 -0.58 -5.12	6.04 0.11 -2.62	1.90 -0.05 -3.35	-8.72 -0.41 -4.82	9.53 0.20 -2.32	6.26 0.13 -2.08	5.74 0.06 -3.47	1.46 -0.14 -3.99	1.85 -0.03 -3.78	1.27 -0.02 -2.91	0.71 -0.04 -3.69	0.59 -0.05 -4.48	-1.71 -0.24 -10.92	6.69 0.04 -4.11	-3.69 -0.18 -5.89	-1.07 -0.08 -4.83	-1.01 -0.13 -7.34	2.49 -0.03 -4.01	1.87 -0.05 -4.06	-2.00 -0.13 -3.98	5.52 0.08 -2.70	-2.14 -0.15 -3.42
STA_56_34_KV_BUS2_REV_LBMP_B 345033	-12.88 -0.76 -7.10	-30.36 -1.34 -8.08	-11.88 -0.55 -5.07	6.01 0.10 -2.59	1.87 -0.05 -3.32	-8.73 -0.39 -4.77	9.47 0.16 -2.29	6.21 0.10 -2.06	5.68 0.04 -3.44	1.41 -0.14 -3.95	1.83 -0.02 -3.74	1.25 -0.01 -2.88	0.70 -0.01 -3.66	0.58 -0.01 -4.43	-1.71 -0.12 -10.81	6.63 0.02 -4.07	-3.69 -0.12 -5.83	-1.07 -0.03 -4.78	-1.02 -0.07 -7.27	2.46 -0.02 -3.97	1.84 -0.03 -4.02	-2.01 -0.10 -3.94	5.48 0.06 -2.67	-2.16 -0.14 -3.39
STA_56___34_KV_BUS2 355983	-12.88 -0.76 -7.10	-30.36 -1.34 -8.08	-11.88 -0.55 -5.07	6.01 0.10 -2.59	1.87 -0.05 -3.32	-8.73 -0.39 -4.77	9.47 0.16 -2.29	6.21 0.10 -2.06	5.68 0.04 -3.44	1.41 -0.14 -3.95	1.83 -0.02 -3.74	1.25 -0.01 -2.88	0.70 -0.01 -3.66	0.58 -0.01 -4.43	-1.71 -0.12 -10.81	6.63 0.02 -4.07	-3.69 -0.12 -5.83	-1.07 -0.03 -4.78	-1.02 -0.07 -7.27	2.46 -0.02 -3.97	1.84 -0.03 -4.02	-2.01 -0.10 -3.94	5.48 0.06 -2.67	-2.16 -0.14 -3.39
STA_67___115KV_BK2 355882	-12.95 -0.88 -7.16	-30.55 -1.59 -8.15	-11.95 -0.66 -5.11	6.06 0.12 -2.61	1.89 -0.06 -3.34	-8.78 -0.47 -4.81	9.53 0.20 -2.31	6.25 0.12 -2.08	5.72 0.05 -3.47	1.42 -0.17 -3.98	1.85 -0.03 -3.77	1.27 -0.01 -2.90	0.72 -0.01 -3.69	0.61 -0.02 -4.47	-1.66 -0.16 -10.90	6.66 0.02 -4.10	-3.67 -0.15 -5.87	-1.05 -0.05 -4.82	-0.99 -0.09 -7.33	2.48 -0.02 -4.00	1.86 -0.04 -4.05	-2.00 -0.12 -3.97	5.51 0.08 -2.69	-2.17 -0.18 -3.42
STA_7___115KV_9TRANS 80674	-13.10 -1.05 -7.17	-30.85 -1.90 -8.16	-12.08 -0.79 -5.11	6.08 0.15 -2.62	1.88 -0.07 -3.35	-8.88 -0.57 -4.81	9.58 0.25 -2.32	6.29 0.16 -2.08	5.74 0.06 -3.47	1.41 -0.18 -3.98	1.84 -0.05 -3.77	1.26 -0.02 -2.91	0.71 -0.04 -3.69	0.58 -0.05 -4.47	-1.75 -0.26 -10.91	6.69 0.04 -4.10	-3.75 -0.23 -5.88	-1.09 -0.09 -4.82	-1.06 -0.16 -7.33	2.48 -0.04 -4.00	1.85 -0.06 -4.05	-2.04 -0.17 -3.98	5.54 0.10 -2.70	-2.21 -0.21 -3.42
STA_82___115KV_TB1 80780	-12.88 -0.90 -7.24	-30.54 -1.62 -8.19	-11.94 -0.68 -5.14	6.07 0.13 -2.63	1.91 -0.06 -3.36	-8.77 -0.48 -4.84	9.55 0.20 -2.32	6.27 0.13 -2.09	5.74 0.05 -3.49	1.44 -0.17 -4.00	1.87 -0.03 -3.79	1.28 -0.01 -2.92	0.74 -0.02 -3.71	0.63 -0.03 -4.49	-1.61 -0.17 -10.96	6.69 0.03 -4.12	-3.65 -0.16 -5.91	-1.03 -0.06 -4.85	-0.96 -0.10 -7.36	2.50 -0.02 -4.02	1.88 -0.04 -4.07	-1.98 -0.13 -4.00	5.53 0.08 -2.71	-2.15 -0.18 -3.44
STEEL___WIND 323596	-11.36 -1.23 -9.09	-28.41 -2.35 -11.04	-10.44 -0.96 -6.92	7.05 0.19 -3.54	3.05 -0.08 -4.54	-7.30 -0.70 -6.52	10.42 0.27 -3.13	7.05 0.18 -2.81	6.97 0.07 -4.70	2.75 -0.25 -5.40	3.20 -0.02 -5.11	2.31 0.00 -3.93	2.05 0.00 -4.99	2.21 0.00 -6.05	2.21 -0.16 -14.77	8.16 0.06 -5.55	-1.56 -0.12 -7.96	0.70 -0.01 -6.53	1.65 -0.05 -9.92	3.91 -0.02 -5.42	3.30 -0.04 -5.49	-0.61 -0.14 -5.38	6.50 0.11 -3.65	-1.03 -0.24 -4.63
STEPHTWN_115KV_BK_2 55603	50.17 -0.32 -69.71	52.86 -0.61 -90.58	40.12 -0.25 -56.77	32.43 0.05 -29.06	35.76 -0.03 -37.20	40.15 -0.19 -53.46	33.47 0.13 -26.33	29.62 0.06 -25.50	43.53 0.03 -41.29	41.80 -0.05 -44.24	37.57 -0.05 -39.51	29.15 -0.04 -30.81	33.14 -0.08 -36.16	39.89 -0.10 -43.83	94.05 -0.32 -106.77	42.74 0.06 -40.13	47.88 -0.26 -57.54	41.24 -0.15 -47.22	63.32 -0.21 -71.75	37.64 -0.04 -39.17	37.46 -0.05 -39.66	32.94 -0.13 -38.91	29.18 0.05 -26.38	27.96 -0.09 -33.46
STEUBEN_REC_LFGE 323667	-4.46 -0.63 -15.39	-24.02 -1.18 -14.26	-7.95 -0.49 -8.94	7.97 0.08 -4.58	4.41 -0.05 -5.86	-5.11 -0.41 -8.42	11.26 0.19 -4.05	7.80 0.11 -3.63	8.32 0.05 -6.07	4.38 -0.19 -6.97	4.76 0.06 -6.60	3.51 0.06 -5.08	3.60 0.09 -6.45	4.06 0.09 -7.82	6.80 0.13 -19.07	9.69 -0.02 -7.17	1.12 0.24 -10.28	2.77 0.15 -8.44	4.79 0.19 -12.82	5.54 0.03 -7.00	4.97 0.02 -7.08	1.12 0.02 -6.95	7.47 0.02 -4.71	0.49 -0.07 -5.98

STONY___BROOK 24151	33.25 -1.19 -53.66	29.96 -2.66 -69.72	26.03 -1.26 -43.70	25.95 0.26 -22.37	27.13 -0.10 -28.63	27.07 -0.97 -41.15	29.82 0.55 -22.25	31.71 0.34 -27.32	46.81 0.23 -44.37	31.51 -0.15 -34.06	77.68 -0.19 -79.76	122.75 -0.18 -124.55	35.96 -0.31 -39.22	32.15 -0.39 -36.38	85.79 -1.03 -99.22	106.76 0.24 -103.98	228.11 -0.88 -238.39	340.54 -0.54 -346.91	289.21 -0.70 -298.13	69.28 -0.12 -70.89	30.14 -0.18 -32.46	25.49 -0.52 -31.85	24.61 0.28 -21.60	21.56 -0.43 -27.40
STURGEON_POOL_HYD 23609	36.19 -0.51 -55.92	34.58 -0.97 -72.66	28.69 -0.44 -45.54	26.72 0.09 -23.31	28.40 -0.03 -29.84	29.42 -0.34 -42.88	27.84 0.21 -20.62	22.70 0.13 -18.51	33.22 0.09 -30.92	33.07 -0.02 -35.49	29.52 -0.07 -31.48	22.13 -0.08 -23.83	27.15 -0.16 -30.25	32.62 -0.21 -36.67	76.45 -0.62 -89.46	36.32 0.15 -33.63	38.32 -0.50 -48.22	33.44 -0.30 -39.56	51.52 -0.38 -60.13	31.27 -0.06 -32.82	31.01 -0.08 -33.24	26.52 -0.24 -32.61	24.97 0.12 -22.11	22.43 -0.20 -28.04
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.48 -0.51 -49.22	25.86 -1.00 -63.96	23.23 -0.46 -40.08	23.93 0.09 -20.52	24.83 -0.04 -26.27	24.27 -0.36 -37.75	23.52 0.20 -16.30	13.32 0.12 -9.15	18.41 0.08 -16.13	28.82 -0.03 -31.24	18.12 -0.07 -20.07	8.05 -0.07 -9.75	24.35 -0.15 -27.45	29.26 -0.19 -33.28	68.67 -0.55 -81.61	33.36 0.12 -30.69	34.17 -0.44 -44.01	30.02 -0.27 -36.11	46.30 -0.34 -54.88	28.41 -0.06 -29.95	28.12 -0.07 -30.33	23.69 -0.22 -29.76	23.02 0.10 -20.18	20.00 -0.18 -25.59
SWANROAD_115KV_TB1 355699	-11.88 -1.08 -8.42	-28.91 -1.95 -10.16	-10.84 -0.81 -6.36	6.72 0.14 -3.26	2.69 -0.08 -4.17	-7.70 -0.57 -6.00	10.02 0.13 -2.88	6.75 0.10 -2.59	6.56 0.03 -4.32	2.34 -0.23 -4.96	2.86 0.05 -4.70	2.05 0.06 -3.62	1.73 0.08 -4.59	1.84 0.11 -5.57	1.39 0.21 -13.58	7.69 0.04 -5.11	-1.97 0.11 -7.32	0.32 0.14 -6.01	1.04 0.13 -9.13	3.50 0.00 -4.98	2.93 0.03 -5.05	-0.90 0.00 -4.95	6.18 0.08 -3.36	-1.29 -0.14 -4.26
SYNERGY___BIOGAS 323694	-12.92 -1.63 -7.94	-30.77 -3.01 -9.35	-11.81 -1.27 -5.86	6.56 0.25 -3.00	2.33 -0.11 -3.84	-8.55 -0.95 -5.52	10.06 0.39 -2.65	6.69 0.25 -2.38	6.30 0.11 -3.98	1.89 -0.28 -4.57	2.39 -0.04 -4.32	1.68 -0.02 -3.33	1.23 -0.05 -4.23	1.20 -0.08 -5.12	-0.24 -0.34 -12.50	7.35 0.11 -4.70	-2.93 -0.27 -6.74	-0.42 -0.13 -5.53	-0.06 -0.23 -8.40	3.04 -0.05 -4.58	2.42 -0.08 -4.64	-1.53 -0.24 -4.55	6.00 0.17 -3.09	-1.82 -0.33 -3.92
SYRACUSE___ENERGY_ST1 323597	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.17 -4.04	5.56 0.03 -2.22	1.42 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.01 -3.13	-0.07 -0.02 -3.79	-3.22 -0.07 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
SYRACUSE___ENERGY_ST2 323598	-14.99 -0.23 -4.46	-30.88 -0.45 -6.68	-12.53 -0.17 -4.04	5.56 0.03 -2.22	1.42 -0.01 -2.84	-9.14 -0.10 -4.08	9.04 0.06 -1.96	5.86 0.05 -1.76	5.17 0.02 -2.94	0.13 -0.04 -2.56	0.35 0.00 -2.25	-0.42 -0.01 -1.21	0.17 -0.01 -3.13	-0.07 -0.02 -3.79	-3.22 -0.07 -9.25	5.82 0.02 -3.26	-4.97 -0.04 -4.47	-2.46 -0.02 -3.39	-2.67 -0.03 -5.59	1.60 0.00 -3.10	1.28 -0.01 -3.44	-2.92 -0.03 -2.96	4.21 0.02 -1.45	-3.16 -0.03 -2.28
SYRACUSE___POWER 24017	-13.94 -0.24 -5.52	-30.37 -0.43 -7.17	-12.07 -0.17 -4.49	5.65 0.03 -2.30	1.53 -0.01 -2.95	-8.99 -0.11 -4.23	9.11 0.06 -2.04	5.92 0.04 -1.83	5.28 0.02 -3.05	1.07 -0.04 -3.51	2.41 -0.01 -4.31	10.30 -0.01 -11.93	10.27 -0.01 -13.23	0.27 -0.02 -4.13	-2.77 -0.09 -9.71	6.46 0.02 -3.89	-3.56 -0.05 -5.88	-1.26 -0.02 -4.58	-1.61 -0.04 -6.65	2.82 -0.01 -4.32	2.10 -0.01 -4.26	-2.36 -0.03 -3.52	5.41 0.02 -2.65	-2.44 -0.03 -3.01
TALLMAN__138KV_BK151 55660	31.07 -0.57 -50.87	27.89 -1.10 -66.10	24.52 -0.51 -41.42	24.62 0.10 -21.21	25.70 -0.04 -27.14	25.50 -0.39 -39.01	23.73 0.22 -16.49	12.26 0.14 -8.07	15.11 0.09 -12.81	29.86 -0.03 -32.29	15.92 -0.08 -17.89	4.41 -0.08 -6.12	25.02 -0.16 -28.13	30.07 -0.21 -34.11	70.77 -0.61 -83.78	34.19 0.13 -31.51	35.28 -0.50 -45.18	30.95 -0.30 -37.07	47.73 -0.38 -56.34	29.20 -0.06 -30.75	28.91 -0.08 -31.14	24.47 -0.24 -30.55	23.56 0.11 -20.72	20.66 -0.20 -26.28
TEALLAVE_115KV_TB7 355573	-12.64 -0.15 -6.74	-30.56 -0.27 -6.82	-11.77 -0.10 -4.73	7.53 0.02 -4.20	2.85 -0.01 -4.26	-9.04 -0.05 -4.13	17.52 0.03 -10.47	17.20 0.02 -13.12	10.15 0.01 -7.94	1.41 -0.03 -3.84	2.05 0.00 -3.94	11.13 0.00 -12.76	11.08 0.00 -14.02	-0.31 0.00 -3.53	-4.21 -0.03 -8.21	5.91 0.01 -3.36	-4.25 -0.01 -5.16	-1.86 0.00 -3.96	-2.56 0.00 -5.66	2.38 0.00 -3.87	1.64 0.00 -3.79	-2.88 -0.01 -2.97	5.06 0.01 -2.31	-2.89 -0.02 -2.53
TELGRAPH_34_KV_EAST 80808	-12.46 -1.38 -8.15	-29.95 -2.53 -9.69	-11.38 -1.05 -6.08	6.62 0.20 -3.11	2.49 -0.09 -3.98	-8.17 -0.77 -5.72	10.04 0.27 -2.75	6.71 0.18 -2.47	6.41 0.07 -4.13	2.08 -0.26 -4.73	2.59 0.00 -4.49	1.84 0.01 -3.45	1.45 0.01 -4.38	1.48 0.00 -5.31	0.47 -0.10 -12.96	7.49 0.08 -4.87	-2.53 -0.12 -6.99	-0.10 -0.01 -5.73	0.42 -0.07 -8.71	3.24 -0.03 -4.76	2.64 -0.03 -4.82	-1.26 -0.13 -4.73	6.07 0.13 -3.20	-1.59 -0.24 -4.06
TEMPLE___115KV_TB 2 55572	-12.65 -0.17 -6.75	-30.54 -0.31 -6.88	-11.76 -0.12 -4.76	7.51 0.02 -4.17	2.84 -0.01 -4.25	-9.01 -0.06 -4.17	17.35 0.04 -10.29	16.95 0.03 -12.87	10.06 0.01 -7.84	1.42 -0.04 -3.86	2.05 0.00 -3.95	10.91 0.00 -12.54	10.84 0.00 -13.79	-0.27 -0.01 -3.57	-4.12 -0.04 -8.32	5.95 0.01 -3.39	-4.22 -0.02 -5.20	-1.83 0.00 -3.99	-2.51 -0.01 -5.73	2.39 0.00 -3.89	1.66 0.00 -3.81	-2.85 -0.01 -3.01	5.08 0.01 -2.33	-2.86 -0.02 -2.57
TIANA____69_KV_BK 1 55817	32.77 -1.66 -53.66	29.08 -3.54 -69.72	25.68 -1.61 -43.70	26.03 0.34 -22.37	27.10 -0.13 -28.63	26.79 -1.24 -41.15	29.97 0.70 -22.25	31.81 0.43 -27.32	46.86 0.28 -44.37	31.45 -0.22 -34.06	75.45 -0.24 -77.58	117.70 -0.22 -119.55	34.91 -0.39 -38.25	31.98 -0.52 -36.34	82.51 -1.39 -96.30	96.90 0.32 -94.04	205.39 -1.21 -216.00	311.92 -0.72 -318.47	273.37 -0.96 -282.56	67.05 -0.18 -68.72	30.07 -0.25 -32.46	25.29 -0.71 -31.85	24.71 0.37 -21.60	21.40 -0.59 -27.40
TILDEN___115KV_TB1 80814	-13.94 -0.24 -5.52	-30.37 -0.43 -7.17	-12.07 -0.17 -4.49	5.65 0.03 -2.30	1.53 -0.01 -2.95	-8.99 -0.11 -4.23	9.11 0.06 -2.04	5.92 0.04 -1.83	5.28 0.02 -3.05	1.07 -0.04 -3.51	2.41 -0.01 -4.31	10.30 -0.01 -11.93	10.27 -0.01 -13.23	0.27 -0.02 -4.13	-2.77 -0.09 -9.71	6.46 0.02 -3.89	-3.56 -0.05 -5.88	-1.26 -0.02 -4.58	-1.61 -0.04 -6.65	2.82 -0.01 -4.32	2.10 -0.01 -4.26	-2.36 -0.03 -3.52	5.41 0.02 -2.65	-2.44 -0.03 -3.01
TRIGEN___CC 323695	33.55 -0.88 -53.66	30.76 -1.86 -69.72	26.44 -0.86 -43.70	25.87 0.18 -22.37	27.16 -0.07 -28.63	27.37 -0.67 -41.15	29.64 0.37 -22.25	31.59 0.22 -27.32	46.73 0.15 -44.37	31.59 -0.08 -34.06	38.92 -0.12 -40.94	38.32 -0.13 -40.07	32.09 -0.23 -35.26	31.58 -0.30 -35.72	74.16 -0.77 -87.33	35.58 0.18 -32.85	37.04 -0.66 -47.10	32.43 -0.40 -38.65	49.99 -0.52 -58.73	30.48 -0.09 -32.06	30.20 -0.12 -32.46	25.64 -0.37 -31.85	24.52 0.18 -21.60	21.69 -0.29 -27.39

TRINITY__115KV__4 BK 55933	50.53 -0.14 -69.89	53.44 -0.26 -90.81	40.40 -0.11 -56.91	32.48 0.03 -29.14	35.88 -0.01 -37.29	40.37 -0.11 -53.60	33.47 0.05 -26.40	29.64 0.02 -25.57	43.62 0.01 -41.40	41.96 0.00 -44.36	37.68 -0.03 -39.60	29.23 -0.02 -30.88	33.26 -0.04 -36.24	40.04 -0.05 -43.93	94.43 -0.19 -107.02	42.80 0.03 -40.22	48.13 -0.14 -57.67	41.42 -0.08 -47.32	63.57 -0.12 -71.91	37.74 -0.02 -39.25	37.58 -0.03 -39.75	33.08 -0.07 -39.00	29.22 0.03 -26.44	28.08 -0.05 -33.54
UNION__PROCESSING_DRP 323587	-12.90 -0.91 -7.24	-30.55 -1.64 -8.20	-11.94 -0.68 -5.14	6.08 0.13 -2.63	1.91 -0.06 -3.37	-8.77 -0.49 -4.84	9.55 0.21 -2.33	6.27 0.13 -2.09	5.75 0.05 -3.49	1.44 -0.17 -4.01	1.87 -0.04 -3.80	1.28 -0.01 -2.92	0.75 -0.02 -3.71	0.64 -0.03 -4.50	-1.60 -0.17 -10.97	6.69 0.02 -4.12	-3.65 -0.16 -5.91	-1.02 -0.06 -4.85	-0.96 -0.10 -7.37	2.51 -0.02 -4.03	1.89 -0.04 -4.08	-1.98 -0.13 -4.00	5.53 0.08 -2.71	-2.15 -0.18 -3.44
UPPER HUDSON__HYD 24058	52.20 -1.17 -72.59	55.11 -2.11 -94.32	41.80 -0.91 -59.11	33.77 0.19 -30.26	37.25 -0.08 -38.73	41.79 -0.76 -55.67	34.79 0.40 -27.36	30.63 0.21 -26.36	45.09 0.11 -42.77	43.55 -0.13 -46.07	38.86 -0.11 -40.86	30.06 -0.07 -31.75	34.41 -0.12 -37.48	41.42 -0.17 -45.43	97.68 -0.60 -110.68	44.27 0.13 -41.60	49.68 -0.56 -59.65	42.77 -0.35 -48.94	65.59 -0.55 -74.38	39.01 -0.10 -40.60	38.83 -0.14 -41.11	34.13 -0.36 -40.34	30.25 0.16 -27.35	28.98 -0.30 -34.69
UPPER RAQUET__HYD 24056	-102.61 3.23 86.62	-59.78 6.51 29.18	-50.02 2.82 36.44	-71.64 -0.58 74.38	-59.37 0.22 58.20	-28.92 2.01 17.81	-284.03 -1.16 289.88	-380.15 -0.73 383.48	-175.12 -0.38 176.95	-48.23 0.43 46.27	-59.21 0.34 57.66	-419.83 0.29 418.50	-446.41 0.54 444.00	-24.78 0.66 21.60	-24.39 2.15 14.14	-29.67 -0.41 31.81	-49.11 1.67 41.39	-31.64 1.00 26.82	-26.40 1.41 19.57	-36.53 0.26 35.30	-26.73 0.35 24.93	-13.66 0.98 8.79	-25.68 -0.50 27.92	-17.07 0.93 12.59
VALLEY44_115KV_TB2 355964	-9.78 -0.95 -10.39	-26.76 -1.98 -12.33	-9.49 -0.82 -7.73	7.45 0.18 -3.95	3.59 -0.07 -5.06	-6.43 -0.59 -7.27	10.78 0.27 -3.50	7.38 0.19 -3.14	7.53 0.07 -5.25	3.38 -0.25 -6.02	3.79 -0.02 -5.70	2.76 0.00 -4.39	2.60 -0.03 -5.57	2.87 -0.04 -6.76	3.82 -0.27 -16.48	8.83 0.09 -6.20	-0.66 0.09 -8.88	1.44 -0.14 -7.29	2.80 -0.03 -11.08	4.54 -0.02 -6.05	3.95 -0.03 -6.12	0.01 -0.14 -6.01	6.94 0.13 -4.07	-0.47 -0.23 -5.17
VALLEY__115KV_TB 1-4 80826	-17.41 0.11 -1.70	-36.45 0.20 -0.46	-15.72 0.11 -0.57	3.29 -0.03 0.00	-1.40 0.00 0.00	-13.04 0.08 0.00	6.94 -0.08 0.00	4.04 -0.01 0.00	2.19 -0.02 0.00	-0.78 0.01 -1.61	0.01 0.02 -1.88	4.63 0.00 -6.25	3.61 0.02 -6.53	-2.38 0.07 -1.39	-11.03 0.25 -1.11	4.47 -0.07 -2.00	-7.76 0.17 -1.47	-4.35 0.07 -1.39	-6.91 0.06 -1.25	-0.89 0.02 -0.58	-2.11 0.04 0.00	-4.94 0.10 -0.80	4.34 -0.05 -1.65	-4.09 0.10 -1.22
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	-0.57 -0.67 -19.33	-12.89 -1.32 -25.54	-0.98 -0.59 -16.01	11.63 0.12 -8.19	9.04 -0.05 -10.49	1.49 -0.46 -15.08	14.53 0.26 -7.25	10.72 0.16 -6.51	13.16 0.09 -10.87	9.99 -0.09 -12.48	10.23 -0.08 -12.20	7.76 -0.06 -9.45	8.93 -0.12 -11.99	10.55 -0.15 -14.54	22.57 -0.51 -35.47	15.99 0.11 -13.33	9.34 -0.38 -19.12	9.62 -0.24 -15.69	15.27 -0.34 -23.84	11.46 -0.06 -13.01	10.95 -0.08 -13.18	6.85 -0.23 -12.93	11.62 0.11 -8.77	5.51 -0.20 -11.12
VISCHER__FERRY HYD 24020	51.16 -0.50 -70.88	54.02 -0.97 -92.10	40.90 -0.42 -57.72	32.96 0.09 -29.55	36.38 -0.04 -37.82	40.88 -0.36 -54.36	33.97 0.18 -26.78	30.10 0.08 -25.96	44.24 0.05 -41.98	42.54 -0.05 -44.99	38.16 -0.06 -40.12	29.61 -0.04 -31.28	33.68 -0.08 -36.70	40.54 -0.10 -44.48	95.61 -0.34 -108.35	43.33 0.06 -40.73	48.73 -0.27 -58.39	41.93 -0.16 -47.91	64.34 -0.25 -72.81	38.21 -0.05 -39.75	38.03 -0.07 -40.25	33.47 -0.17 -39.49	29.59 0.08 -26.77	28.40 -0.15 -33.96
V_A_10_SYNC_DSASP 323832	-12.45 -0.83 -7.61	-29.50 -1.52 -9.14	-11.30 -0.63 -5.73	6.37 0.12 -2.93	2.30 -0.05 -3.75	-8.17 -0.44 -5.39	9.75 0.14 -2.59	6.47 0.09 -2.33	6.11 0.02 -3.89	1.88 -0.19 -4.46	2.33 0.00 -4.23	1.65 0.02 -3.25	1.23 0.04 -4.13	1.22 0.05 -5.01	-0.15 0.03 -12.22	7.14 0.00 -4.59	-2.83 -0.01 -6.59	-0.36 0.05 -5.40	0.03 0.04 -8.21	2.99 0.00 -4.48	2.39 -0.01 -4.54	-1.46 -0.06 -4.45	5.83 0.07 -3.02	-1.74 -0.16 -3.83
V_CMM_10_SYNC_DSASP 323787	-76.22 2.93 59.92	-51.26 5.92 20.07	-39.02 2.56 25.18	-48.97 -0.53 51.76	-41.67 0.20 40.46	-23.61 1.81 12.30	-195.96 -1.10 201.87	-263.72 -0.69 267.08	-121.34 -0.37 123.18	-33.87 0.40 31.88	-41.45 0.32 39.88	-291.79 0.27 290.44	-310.58 0.50 308.14	-17.93 0.63 14.72	-19.83 1.99 9.42	-19.55 -0.36 21.74	-36.27 1.58 28.46	-23.22 0.94 18.34	-20.19 1.30 13.26	-25.65 0.24 24.40	-19.09 0.32 17.28	-10.84 0.91 5.90	-16.85 -0.48 19.12	-13.05 0.85 8.50
V_CMP_10_SYNC_DSASP 323788	-78.64 2.32 61.73	-53.15 4.65 20.69	-40.30 2.04 25.95	-50.41 -0.44 53.29	-42.92 0.16 41.67	-24.37 1.43 12.68	-201.67 -0.84 207.85	-271.50 -0.57 274.99	-124.95 -0.33 126.83	-34.94 0.31 32.86	-42.59 0.29 40.99	-300.52 0.23 299.14	-319.84 0.46 317.36	-18.43 0.60 15.19	-20.25 1.89 9.74	-20.27 -0.39 22.42	-37.44 1.30 29.33	-23.86 0.88 18.92	-20.72 1.20 13.69	-26.43 0.21 25.14	-19.65 0.29 17.80	-11.12 0.83 6.10	-17.36 -0.39 19.71	-13.47 0.71 8.77
V_E_10_SYNC_DSASP 323830	-5.92 -1.31 -14.61	-20.52 -2.80 -19.39	-5.59 -1.34 -12.15	9.78 0.24 -6.22	6.46 -0.09 -7.96	-2.63 -0.96 -11.44	13.07 0.56 -5.50	9.34 0.34 -4.94	10.64 0.18 -8.25	6.83 -0.24 -9.47	7.07 -0.12 -9.08	5.28 -0.10 -7.01	5.79 -0.16 -8.90	6.78 -0.17 -10.78	13.42 -0.49 -26.31	12.55 0.11 -9.89	4.23 -0.56 -14.18	5.40 -0.42 -11.64	8.92 -0.54 -17.68	8.06 -0.11 -9.65	7.50 -0.14 -9.78	3.37 -0.37 -9.59	9.42 0.17 -6.50	2.58 -0.25 -8.25
V_F_30_NSYNC__DSASP 323816	52.17 -0.96 -72.35	55.09 -1.81 -94.00	41.73 -0.78 -58.91	33.64 0.16 -30.16	37.13 -0.07 -38.60	41.72 -0.65 -55.49	34.64 0.34 -27.28	30.54 0.18 -26.30	44.97 0.10 -42.66	43.41 -0.11 -45.92	38.76 -0.10 -40.75	29.99 -0.07 -31.69	34.29 -0.13 -37.37	41.28 -0.18 -45.29	97.35 -0.60 -110.35	44.15 0.12 -41.48	49.58 -0.48 -59.47	42.67 -0.30 -48.80	65.47 -0.45 -74.15	38.90 -0.08 -40.48	38.73 -0.12 -40.99	34.07 -0.30 -40.22	30.15 0.14 -27.27	28.91 -0.26 -34.58
V_F_30_SYNC_DSASP 323786	51.08 -0.23 -70.53	54.11 -0.43 -91.65	40.85 -0.18 -57.44	32.76 0.05 -29.41	36.22 -0.02 -37.63	40.80 -0.17 -54.09	33.73 0.08 -26.63	29.86 0.04 -25.76	43.97 0.03 -41.73	42.36 -0.02 -44.77	37.97 -0.04 -39.91	29.44 -0.03 -31.09	33.54 -0.06 -36.54	40.37 -0.08 -44.29	95.23 -0.26 -107.89	43.15 0.05 -40.55	48.55 -0.20 -58.14	41.77 -0.12 -47.71	64.11 -0.16 -72.50	38.06 -0.03 -39.58	37.89 -0.04 -40.07	33.37 -0.10 -39.32	29.44 0.04 -26.66	28.33 -0.07 -33.81
V_XM_10_SYNC_DSASP 323789	-78.64 2.32 61.73	-53.15 4.65 20.69	-40.30 2.04 25.95	-50.41 -0.44 53.29	-42.92 0.16 41.67	-24.37 1.43 12.68	-201.67 -0.84 207.85	-271.50 -0.57 274.99	-124.95 -0.33 126.83	-34.94 0.31 32.86	-42.59 0.29 40.99	-300.52 0.23 299.14	-319.84 0.46 317.36	-18.43 0.60 15.19	-20.25 1.89 9.74	-20.27 -0.39 22.42	-37.44 1.30 29.33	-23.86 0.88 18.92	-20.72 1.20 13.69	-26.43 0.21 25.14	-19.65 0.29 17.80	-11.12 0.83 6.10	-17.36 -0.39 19.71	-13.47 0.71 8.77

W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	31.39 -0.62 -51.23	28.27 -1.18 -66.56	24.78 -0.54 -41.71	24.78 0.11 -21.36	25.89 -0.04 -27.33	25.74 -0.42 -39.28	23.78 0.24 -16.52	12.00 0.15 -7.80	14.22 0.09 -11.92	30.08 -0.04 -32.51	15.33 -0.08 -17.30	3.45 -0.09 -5.16	25.16 -0.17 -28.27	30.24 -0.22 -34.29	71.22 -0.65 -84.26	34.38 0.14 -31.70	35.51 -0.53 -45.44	31.15 -0.32 -37.29	48.04 -0.40 -56.66	29.37 -0.07 -30.93	29.09 -0.09 -31.32	24.63 -0.25 -30.73	23.69 0.11 -20.84	20.80 -0.21 -26.43
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	33.64 -0.77 -53.63	31.10 -1.47 -69.69	26.60 -0.67 -43.67	25.81 0.13 -22.36	27.16 -0.05 -28.62	27.48 -0.53 -41.13	29.57 0.30 -22.26	31.60 0.19 -27.36	46.82 0.12 -44.49	31.59 -0.05 -34.04	38.29 -0.10 -40.28	35.36 -0.10 -37.09	26.12 -0.21 -29.27	31.41 -0.27 -35.51	74.15 -0.76 -87.31	35.55 0.16 -32.84	37.09 -0.60 -47.09	32.46 -0.36 -38.64	50.04 -0.45 -58.72	30.49 -0.07 -32.05	30.21 -0.10 -32.46	25.69 -0.30 -31.84	24.48 0.15 -21.59	21.71 -0.26 -27.38
W50THST__13_KV_LOAD 356117	33.53 -0.88 -53.63	30.89 -1.68 -69.69	26.50 -0.77 -43.67	25.83 0.15 -22.36	27.15 -0.07 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.26	31.62 0.22 -27.36	46.84 0.14 -44.49	31.58 -0.07 -34.04	38.28 -0.11 -40.28	35.35 -0.12 -37.09	26.10 -0.23 -29.27	31.37 -0.30 -35.51	74.05 -0.86 -87.31	35.57 0.18 -32.84	37.01 -0.67 -47.09	32.41 -0.40 -38.64	49.98 -0.51 -58.72	30.48 -0.09 -32.05	30.20 -0.12 -32.46	25.65 -0.34 -31.84	24.49 0.16 -21.59	21.68 -0.29 -27.38
WADING RIVER_IC_1 23522	33.03 -1.41 -53.66	29.55 -3.06 -69.72	25.87 -1.43 -43.70	25.99 0.30 -22.37	27.12 -0.12 -28.63	26.94 -1.09 -41.15	29.88 0.61 -22.25	31.75 0.38 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.61 -0.21 -77.71	117.99 -0.20 -119.81	34.96 -0.34 -38.24	32.06 -0.44 -36.34	82.74 -1.14 -96.28	96.94 0.27 -94.12	205.90 -1.02 -216.32	312.74 -0.61 -319.17	274.24 -0.80 -283.27	67.21 -0.15 -68.84	30.10 -0.21 -32.46	25.39 -0.62 -31.85	24.66 0.32 -21.60	21.49 -0.51 -27.40
WADING RIVER_IC_2 23547	33.03 -1.41 -53.66	29.55 -3.06 -69.72	25.87 -1.43 -43.70	25.99 0.30 -22.37	27.12 -0.12 -28.63	26.94 -1.09 -41.15	29.88 0.61 -22.25	31.75 0.38 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.61 -0.21 -77.71	117.99 -0.20 -119.81	34.96 -0.34 -38.24	32.06 -0.44 -36.34	82.74 -1.14 -96.28	96.94 0.27 -94.12	205.90 -1.02 -216.32	312.74 -0.61 -319.17	274.24 -0.80 -283.27	67.21 -0.15 -68.84	30.10 -0.21 -32.46	25.39 -0.62 -31.85	24.66 0.32 -21.60	21.49 -0.51 -27.40
WADING RIVER_IC_3 23601	33.03 -1.41 -53.66	29.55 -3.06 -69.72	25.87 -1.43 -43.70	25.99 0.30 -22.37	27.12 -0.12 -28.63	26.94 -1.09 -41.15	29.88 0.61 -22.25	31.75 0.38 -27.32	46.83 0.25 -44.37	31.49 -0.18 -34.06	75.61 -0.21 -77.71	117.99 -0.20 -119.81	34.96 -0.34 -38.24	32.06 -0.44 -36.34	82.74 -1.14 -96.28	96.94 0.27 -94.12	205.90 -1.02 -216.32	312.74 -0.61 -319.17	274.24 -0.80 -283.27	67.21 -0.15 -68.84	30.10 -0.21 -32.46	25.39 -0.62 -31.85	24.66 0.32 -21.60	21.49 -0.51 -27.40
WALDENNY_I2_KV_BK2 80841	-11.51 -1.30 -9.02	-28.62 -2.46 -10.95	-10.55 -1.02 -6.86	7.03 0.20 -3.51	3.00 -0.09 -4.50	-7.40 -0.75 -6.46	10.41 0.28 -3.11	7.03 0.19 -2.79	6.94 0.07 -4.66	2.70 -0.26 -5.35	3.15 -0.02 -5.07	2.27 0.00 -3.90	2.00 -0.01 -4.95	2.15 -0.01 -6.00	2.06 -0.18 -14.64	8.13 0.08 -5.50	-1.65 -0.14 -7.89	0.63 -0.02 -6.48	1.54 -0.07 -9.84	3.86 -0.02 -5.37	3.25 -0.04 -5.44	-0.66 -0.15 -5.34	6.48 0.12 -3.62	-1.07 -0.25 -4.59
WALDEN__HYDRO 24148	32.11 -0.72 -52.06	29.15 -1.38 -67.64	25.37 -0.62 -42.39	25.15 0.12 -21.70	26.32 -0.05 -27.78	26.31 -0.49 -39.92	26.04 0.29 -18.73	19.65 0.17 -15.43	28.46 0.10 -26.15	30.59 -0.05 -33.04	25.34 -0.09 -27.32	17.45 -0.09 -19.16	25.51 -0.16 -28.62	30.65 -0.21 -34.70	71.75 -0.65 -84.80	34.57 0.14 -31.88	35.78 -0.53 -45.71	31.36 -0.33 -37.51	48.33 -0.44 -57.00	29.55 -0.08 -31.12	29.26 -0.10 -31.51	24.77 -0.30 -30.91	23.84 0.14 -20.96	20.93 -0.25 -26.58
WARRENSBURG____ 23737	52.20 -1.17 -72.59	55.11 -2.11 -94.32	41.80 -0.91 -59.11	33.77 0.19 -30.26	37.25 -0.08 -38.73	41.79 -0.76 -55.67	34.79 0.40 -27.36	30.63 0.21 -26.36	45.09 0.11 -42.77	43.55 -0.13 -46.07	38.86 -0.11 -40.86	30.06 -0.07 -31.75	34.41 -0.12 -37.48	41.42 -0.17 -45.43	97.68 -0.60 -110.68	44.27 0.13 -41.60	49.68 -0.56 -59.65	42.77 -0.35 -48.94	65.59 -0.55 -74.38	39.01 -0.10 -40.60	38.83 -0.14 -41.11	34.13 -0.36 -40.34	30.25 0.16 -27.35	28.98 -0.30 -34.69
WATERSIDE____6 8 9 23538	33.59 -0.82 -53.63	31.01 -1.57 -69.69	26.56 -0.72 -43.67	25.82 0.14 -22.36	27.16 -0.06 -28.62	27.45 -0.57 -41.13	29.59 0.32 -22.25	31.61 0.20 -27.35	46.82 0.14 -44.48	31.61 -0.03 -34.04	38.28 -0.11 -40.28	35.35 -0.11 -37.09	26.11 -0.21 -29.27	31.40 -0.27 -35.51	74.13 -0.78 -87.31	35.55 0.17 -32.84	37.08 -0.61 -47.09	32.45 -0.37 -38.64	50.03 -0.46 -58.72	30.48 -0.08 -32.05	30.20 -0.11 -32.46	25.67 -0.32 -31.84	24.48 0.15 -21.59	21.70 -0.28 -27.38
WATKINRD_115KV_LN8_ILLION 55919	-17.43 0.09 -1.70	-36.45 0.19 -0.46	-15.74 0.09 -0.57	3.30 -0.02 0.00	-1.40 0.00 0.00	-13.04 0.07 0.00	6.97 -0.05 0.00	4.04 -0.01 0.00	2.19 -0.02 0.00	-0.78 0.01 -1.61	0.00 0.01 -1.88	4.63 0.01 -6.25	3.60 0.01 -6.53	-2.41 0.04 -1.39	-11.16 0.12 -1.11	4.51 -0.04 -2.00	-7.84 0.09 -1.47	-4.39 0.03 -1.39	-6.95 0.03 -1.25	-0.90 0.01 -0.58	-2.13 0.02 0.00	-5.00 0.05 -0.80	4.37 -0.02 -1.65	-4.14 0.05 -1.22
WATSON__69_KV_BK 1 55734	33.07 -1.37 -53.66	29.66 -2.96 -69.72	25.90 -1.40 -43.70	25.98 0.29 -22.37	27.12 -0.11 -28.63	26.96 -1.07 -41.15	29.88 0.61 -22.25	31.75 0.37 -27.32	46.83 0.25 -44.37	31.49 -0.17 -34.06	56.72 -0.20 -58.81	77.02 -0.19 -78.84	33.47 -0.33 -36.75	31.74 -0.44 -36.02	78.25 -1.16 -91.81	65.77 0.26 -62.96	119.62 -0.98 -130.00	169.19 -0.61 -175.62	158.96 -0.80 -167.98	48.31 -0.14 -49.94	30.11 -0.21 -32.46	25.40 -0.60 -31.85	24.64 0.30 -21.60	21.51 -0.47 -27.40
WDELAWARE__HYD 323627	27.28 -0.47 -46.98	23.06 -0.87 -61.04	21.47 -0.39 -38.25	22.97 0.08 -19.59	23.63 -0.03 -25.07	22.62 -0.29 -36.03	24.12 0.18 -16.92	18.19 0.11 -14.03	26.60 0.07 -24.32	27.40 -0.03 -29.82	23.68 -0.06 -25.63	16.66 -0.06 -18.34	23.46 -0.12 -26.52	28.17 -0.15 -32.16	65.61 -0.54 -78.55	32.20 0.12 -29.53	32.53 -0.41 -42.34	28.66 -0.26 -34.74	44.21 -0.36 -52.80	27.26 -0.06 -28.82	26.96 -0.08 -29.18	22.57 -0.22 -28.63	22.26 0.10 -19.41	19.04 -0.18 -24.62
WEST BABYLON__IC 23714	33.16 -1.28 -53.66	29.87 -2.75 -69.72	26.02 -1.28 -43.70	25.96 0.27 -22.37	27.13 -0.10 -28.63	27.04 -0.99 -41.15	29.83 0.55 -22.25	31.72 0.34 -27.32	46.81 0.23 -44.37	31.52 -0.15 -34.06	43.47 -0.18 -45.54	48.26 -0.18 -50.06	32.36 -0.31 -35.62	31.55 -0.41 -35.79	74.97 -1.04 -88.41	43.20 0.23 -40.42	57.80 -0.89 -68.08	67.21 -0.56 -73.59	77.87 -0.73 -86.83	35.05 -0.13 -36.67	30.13 -0.19 -32.46	25.45 -0.56 -31.85	24.62 0.28 -21.60	21.55 -0.44 -27.39
WEST CANADA__HYD 24049	-17.41 0.12 -1.70	-36.43 0.22 -0.46	-15.75 0.08 -0.57	3.30 -0.02 0.00	-1.39 0.01 0.00	-13.06 0.06 0.00	6.99 -0.03 0.00	4.03 -0.02 0.00	2.20 -0.01 0.00	-0.78 0.01 -1.61	-0.01 0.01 -1.88	4.64 0.01 -6.25	3.60 0.02 -6.53	-2.42 0.02 -1.39	-11.21 0.07 -1.11	4.53 -0.01 -2.00	-7.87 0.05 -1.47	-4.40 0.03 -1.39	-6.94 0.04 -1.25	-0.90 0.01 -0.58	-2.13 0.01 0.00	-5.02 0.03 -0.80	4.38 -0.02 -1.65	-4.17 0.03 -1.22

WESTERN_NY_WIND 24143	-12.85 -1.63 -8.00	-30.64 -2.98 -9.45	-11.73 -1.26 -5.93	6.59 0.25 -3.03	2.37 -0.11 -3.88	-8.47 -0.94 -5.58	10.09 0.39 -2.68	6.71 0.25 -2.41	6.34 0.11 -4.02	1.94 -0.28 -4.62	2.44 -0.04 -4.37	1.72 -0.02 -3.37	1.28 -0.05 -4.28	1.27 -0.08 -5.18	-0.08 -0.33 -12.65	7.41 0.11 -4.75	-2.84 -0.26 -6.82	-0.35 -0.12 -5.59	0.05 -0.22 -8.50	3.10 -0.05 -4.64	2.48 -0.07 -4.70	-1.48 -0.23 -4.61	6.03 0.17 -3.12	-1.77 -0.32 -3.96
WESTOVER___LESR 323668	-4.52 -0.43 -15.13	-17.30 -0.88 -20.69	-3.80 -0.36 -12.96	10.03 0.07 -6.64	7.07 -0.03 -8.49	-1.16 -0.25 -12.21	13.03 0.14 -5.87	9.44 0.11 -5.27	11.06 0.05 -8.80	7.63 -0.08 -10.11	7.67 -0.02 -9.58	5.73 -0.02 -7.38	6.37 -0.05 -9.36	7.44 -0.07 -11.35	15.05 -0.25 -27.69	13.03 0.07 -10.41	5.40 -0.13 -14.92	6.34 -0.09 -12.25	10.27 -0.11 -18.61	8.65 -0.02 -10.16	8.12 -0.03 -10.29	4.14 -0.11 -10.10	9.64 0.06 -6.84	3.16 -0.10 -8.68
WETHRSFD_WT_PWR 323626	-22.17 -0.67 2.28	-26.35 -1.52 -12.28	-9.31 -0.60 -7.69	7.36 0.10 -3.94	3.59 -0.06 -5.04	-6.31 -0.44 -7.25	10.64 0.14 -3.49	7.28 0.10 -3.13	7.47 0.04 -5.23	3.40 -0.20 -6.00	3.83 0.04 -5.68	2.80 0.05 -4.37	2.68 0.08 -5.55	2.98 0.08 -6.73	4.12 0.10 -16.42	8.73 0.02 -6.17	-0.39 0.16 -8.85	1.59 0.15 -7.26	2.98 0.17 -11.03	4.56 0.02 -6.02	3.98 0.02 -6.10	0.15 0.02 -5.98	6.82 0.03 -4.06	-0.36 -0.10 -5.15
WHAVSTOR_138KV_BK127 55557	31.56 -0.51 -51.30	28.56 -0.99 -66.65	24.91 -0.46 -41.77	24.79 0.09 -21.39	25.93 -0.04 -27.37	25.87 -0.35 -39.34	23.75 0.21 -16.53	11.92 0.12 -7.75	14.04 0.08 -11.75	30.14 -0.03 -32.56	15.22 -0.07 -17.18	3.28 -0.08 -4.98	25.21 -0.15 -28.30	30.30 -0.20 -34.33	71.40 -0.56 -84.36	34.40 0.12 -31.73	35.63 -0.47 -45.49	31.23 -0.28 -37.33	48.15 -0.35 -56.73	29.42 -0.06 -30.97	29.14 -0.07 -31.36	24.70 -0.22 -30.77	23.70 0.10 -20.86	20.86 -0.18 -26.46
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	31.56 -0.51 -51.30	28.56 -0.99 -66.65	24.91 -0.46 -41.77	24.79 0.09 -21.39	25.93 -0.04 -27.37	25.87 -0.35 -39.34	23.75 0.21 -16.53	11.92 0.12 -7.75	14.04 0.08 -11.75	30.14 -0.03 -32.56	15.22 -0.07 -17.18	3.28 -0.08 -4.98	25.21 -0.15 -28.30	30.30 -0.20 -34.33	71.40 -0.56 -84.36	34.40 0.12 -31.73	35.63 -0.47 -45.49	31.23 -0.28 -37.33	48.15 -0.35 -56.73	29.42 -0.06 -30.97	29.14 -0.07 -31.36	24.70 -0.22 -30.77	23.70 0.10 -20.86	20.86 -0.18 -26.46
WHITEHAL_115KV_TB1 80871	51.31 -1.94 -72.47	53.85 -3.21 -94.17	41.21 -1.40 -59.02	33.83 0.30 -30.21	37.13 -0.13 -38.67	41.23 -1.23 -55.58	34.99 0.65 -27.33	30.72 0.33 -26.33	45.08 0.15 -42.72	43.40 -0.20 -46.00	38.74 -0.17 -40.81	29.98 -0.12 -31.72	34.31 -0.18 -37.43	41.29 -0.24 -45.36	97.16 -0.96 -110.52	44.31 0.22 -41.54	49.28 -0.88 -59.56	42.50 -0.56 -48.87	65.16 -0.88 -74.27	38.90 -0.15 -40.54	38.69 -0.21 -41.05	33.85 -0.58 -40.28	30.30 0.24 -27.31	28.73 -0.50 -34.64
WHITEPLN_13_KV_LOAD 356215	33.37 -0.82 -53.41	30.72 -1.56 -69.40	26.39 -0.71 -43.49	25.72 0.14 -22.26	27.04 -0.06 -28.50	27.28 -0.56 -40.96	29.59 0.32 -22.25	31.83 0.19 -27.58	47.70 0.12 -45.37	31.44 -0.07 -33.90	38.89 -0.10 -40.88	36.27 -0.11 -38.01	26.01 -0.23 -29.18	31.27 -0.29 -35.40	73.93 -0.79 -87.12	35.49 0.17 -32.77	36.96 -0.63 -46.99	32.35 -0.38 -38.56	49.88 -0.48 -58.59	30.41 -0.08 -31.99	30.13 -0.11 -32.39	25.61 -0.32 -31.78	24.43 0.15 -21.54	21.65 -0.27 -27.33
WM_FLOYD_69_KV_BK2 356380	33.13 -1.31 -53.66	29.73 -2.88 -69.72	25.93 -1.36 -43.70	25.97 0.28 -22.37	27.12 -0.11 -28.63	26.99 -1.04 -41.15	29.86 0.59 -22.25	31.74 0.36 -27.32	46.82 0.24 -44.37	31.49 -0.17 -34.06	74.99 -0.19 -77.07	116.65 -0.19 -118.47	35.01 -0.33 -38.28	32.06 -0.43 -36.33	82.91 -1.10 -96.42	96.64 0.26 -93.83	204.53 -0.97 -214.90	309.36 -0.59 -315.78	270.67 -0.78 -279.68	66.58 -0.14 -68.21	30.12 -0.21 -32.46	25.41 -0.59 -31.85	24.64 0.30 -21.60	21.52 -0.47 -27.40
WOODARD___115KV_TB2 355635	-13.44 -0.09 -5.87	-30.61 -0.13 -6.63	-11.99 -0.04 -4.46	7.49 0.00 -4.16	2.84 0.00 -4.24	-8.97 -0.01 -4.16	17.31 0.01 -10.28	16.93 0.01 -12.86	10.04 0.00 -7.83	0.62 -0.02 -3.03	1.10 0.00 -2.99	9.66 0.00 -11.28	10.85 0.01 -13.78	-0.27 0.01 -3.56	-4.09 0.01 -8.29	5.70 0.00 -3.16	-4.71 0.02 -4.67	-2.53 0.02 -3.28	-3.13 0.02 -5.07	2.09 0.00 -3.58	1.66 0.00 -3.80	-3.25 0.01 -2.59	4.22 0.00 -1.48	-3.46 0.00 -1.94
YORK___WARBASSE 23770	33.52 -0.89 -53.63	30.89 -1.69 -69.69	26.48 -0.79 -43.67	25.83 0.16 -22.36	27.15 -0.06 -28.62	27.40 -0.61 -41.13	29.62 0.35 -22.25	31.62 0.22 -27.35	46.83 0.14 -44.48	31.63 -0.02 -34.04	38.27 -0.11 -40.28	35.34 -0.12 -37.09	26.10 -0.23 -29.27	31.38 -0.29 -35.51	74.07 -0.84 -87.31	35.57 0.18 -32.84	37.03 -0.66 -47.09	32.42 -0.40 -38.64	49.98 -0.51 -58.72	30.47 -0.09 -32.05	30.19 -0.12 -32.46	25.64 -0.36 -31.85	24.50 0.16 -21.59	21.67 -0.31 -27.39