

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/09/2023

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	19.57	18.17	15.72	15.87	17.55	21.35	40.77	38.83	26.57	20.55	19.94	17.30	15.80	16.93	14.62	17.35	19.73	19.33	30.89	39.17	56.53	24.51	21.01	18.73
24138	0.47	0.44	0.63	0.69	0.91	1.02	0.95	1.18	1.77	1.47	1.53	1.38	1.25	1.32	1.12	1.43	0.40	1.34	0.63	1.07	0.84	0.18	1.33	1.09
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.80	-20.84	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.68	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
74TH STREET_GT_1	19.57	18.18	15.73	15.89	17.56	21.36	40.78	38.82	26.56	20.53	19.92	17.29	15.78	16.92	14.61	17.32	19.73	19.31	30.88	39.17	56.54	24.52	21.03	18.74
24260	0.47	0.44	0.64	0.70	0.92	1.03	0.95	1.17	1.76	1.45	1.50	1.37	1.24	1.30	1.11	1.41	0.40	1.32	0.63	1.07	0.84	0.18	1.35	1.10
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
74TH STREET_GT_2	19.57	18.18	15.73	15.89	17.56	21.36	40.78	38.82	26.56	20.53	19.92	17.29	15.78	16.92	14.61	17.32	19.73	19.31	30.88	39.17	56.54	24.52	21.03	18.74
24261	0.47	0.44	0.64	0.70	0.92	1.03	0.95	1.17	1.76	1.45	1.50	1.37	1.24	1.30	1.11	1.41	0.40	1.32	0.63	1.07	0.84	0.18	1.35	1.10
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ADK HUDSON___FALLS	23.10	21.33	16.88	16.56	17.83	22.26	48.53	44.30	26.06	20.00	19.04	16.46	15.07	16.19	14.04	16.45	24.01	19.45	37.54	46.24	69.81	31.14	20.63	18.29
24011	0.32	0.28	0.43	0.52	0.64	0.76	0.67	0.76	0.89	0.66	0.63	0.50	0.43	0.47	0.42	0.52	0.19	0.71	0.39	0.75	0.64	0.13	0.95	0.65
	-15.71	-14.09	-5.86	-3.67	-2.35	-4.99	-33.84	-26.73	-1.65	-1.17	0.00	-0.17	-0.43	-0.44	-0.55	0.00	-19.17	-3.18	-29.44	-31.56	-57.53	-28.52	0.00	0.00
ADK RESOURCE___RCVRY	23.15	21.35	16.94	16.64	17.93	22.39	48.46	44.42	26.15	20.08	19.11	16.50	15.12	16.24	14.08	16.50	24.06	19.57	37.63	46.39	69.97	31.18	20.78	18.37
23798	0.37	0.32	0.49	0.60	0.74	0.89	0.77	0.86	0.99	0.74	0.70	0.54	0.48	0.52	0.46	0.58	0.23	0.83	0.45	0.88	0.75	0.14	1.11	0.73
	-15.72	-14.07	-5.87	-3.67	-2.35	-4.99	-33.68	-26.75	-1.65	-1.17	0.00	-0.17	-0.43	-0.45	-0.55	0.00	-19.19	-3.18	-29.47	-31.58	-57.58	-28.55	0.00	0.00
ADK S GLENS___FALLS	23.10	21.33	16.88	16.56	17.83	22.26	48.53	44.30	26.06	20.00	19.04	16.46	15.07	16.19	14.04	16.45	24.01	19.45	37.54	46.24	69.81	31.14	20.63	18.29
24028	0.32	0.28	0.43	0.52	0.64	0.76	0.67	0.76	0.89	0.66	0.63	0.50	0.43	0.47	0.42	0.52	0.19	0.71	0.39	0.75	0.64	0.13	0.95	0.65
	-15.71	-14.09	-5.86	-3.67	-2.35	-4.99	-33.84	-26.73	-1.65	-1.17	0.00	-0.17	-0.43	-0.44	-0.55	0.00	-19.17	-3.18	-29.44	-31.56	-57.53	-28.52	0.00	0.00
ADK_NYS___DAM	22.42	20.70	16.64	16.41	17.72	21.91	46.75	43.06	25.78	19.79	18.87	16.33	14.96	16.07	13.94	16.32	23.12	19.01	36.12	44.56	67.09	29.89	20.36	18.20
23527	0.31	0.28	0.44	0.53	0.64	0.63	0.52	0.59	0.68	0.49	0.45	0.38	0.34	0.38	0.34	0.40	0.13	0.40	0.23	0.43	0.39	0.10	0.69	0.56
	-15.03	-13.46	-5.61	-3.51	-2.25	-4.77	-32.21	-25.66	-1.58	-1.12	0.00	-0.16	-0.41	-0.43	-0.53	0.00	-18.35	-3.04	-28.18	-30.20	-55.07	-27.30	0.00	0.00
AIR_PRODUCTS___DRP	22.13	20.36	16.32	16.02	17.23	21.40	46.37	42.51	25.15	19.34	18.46	16.09	14.75	15.84	13.73	16.04	23.02	18.73	35.91	44.20	66.72	29.78	19.80	17.71
24190	0.07	0.06	0.12	0.14	0.15	0.12	0.10	0.06	0.05	0.05	0.04	0.14	0.12	0.14	0.13	0.12	0.04	0.12	0.05	0.09	0.07	0.02	0.12	0.07
	-14.99	-13.33	-5.60	-3.51	-2.24	-4.77	-32.25	-25.64	-1.58	-1.12	0.00	-0.16	-0.41	-0.43	-0.53	0.00	-18.34	-3.04	-28.16	-30.18	-55.02	-27.28	0.00	0.00
AKWESSNE_115KV_BK	7.10	6.99	10.57	12.34	14.76	16.45	13.99	16.70	23.36	18.07	18.28	15.65	14.11	15.17	12.97	15.79	4.68	15.43	7.75	13.91	11.74	2.57	19.43	17.43
355683	-0.04	-0.03	-0.05	-0.05	-0.08	-0.08	-0.13	-0.13	-0.11	-0.10	-0.13	-0.13	-0.11	-0.11	-0.10	-0.13	-0.04	-0.15	-0.08	-0.16	-0.14	-0.04	-0.25	-0.21
	-0.07	-0.05	-0.03	-0.02	-0.01	-0.02	-0.11	-0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.01	-0.13	-0.14	-0.25	-0.12	0.00	0.00
ALBANY___1	22.13	20.36	16.32	16.02	17.23	21.40	46.37	42.51	25.15	19.34	18.46	16.09	14.75	15.84	13.73	16.04	23.02	18.73	35.91	44.20	66.72	29.78	19.80	17.71
23571	0.07	0.06	0.12	0.14	0.15	0.12	0.10	0.06	0.05	0.05	0.04	0.14	0.12	0.14	0.13	0.12	0.04	0.12	0.05	0.09	0.07	0.02	0.12	0.07
	-14.99	-13.33	-5.60	-3.51	-2.24	-4.77	-32.25	-25.64	-1.58	-1.12	0.00	-0.16	-0.41	-0.43	-0.53	0.00	-18.34	-3.04	-28.16	-30.18	-55.02	-27.28	0.00	0.00
ALBANY___2	22.13	20.36	16.32	16.02	17.23	21.40	46.37	42.51	25.15	19.34	18.46	16.09	14.75	15.84	13.73	16.04	23.02	18.73	35.91	44.20	66.72	29.78	19.80	17.71
23572	0.07	0.06	0.12	0.14	0.15	0.12	0.10	0.06	0.05	0.05	0.04	0.14	0.12	0.14	0.13	0.12	0.04	0.12	0.05	0.09	0.07	0.02	0.12	0.07
	-14.99	-13.33	-5.60	-3.51	-2.24	-4.77	-32.25	-25.64	-1.58	-1.12	0.00	-0.16	-0.41	-0.43	-0.53	0.00	-18.34	-3.04	-28.16	-30.18	-55.02	-27.28	0.00	0.00
ALBANY___3	22.13	20.36	16.32	16.02	17.23	21.40	46.37	42.51	25.15	19.34	18.46	16.09	14.75	15.84	13.73	16.04	23.02	18.73	35.91	44.20	66.72	29.78	19.80	17.71
23573	0.07	0.06	0.12	0.14	0.15	0.12	0.10	0.06	0.05	0.05	0.04	0.14	0.12	0.14	0.13	0.12	0.04	0.12	0.05	0.09	0.07	0.02	0.12	0.07
	-14.99	-13.33	-5.60	-3.51	-2.24	-4.77	-32.25	-25.64	-1.58	-1.12	0.00	-0.16	-0.41	-0.43	-0.53	0.00	-18.34	-3.04	-28.16	-30.18	-55.02	-27.28	0.00	0.00

ALBANY___4 23574	22.13 0.07 -14.99	20.36 0.06 -13.33	16.32 0.12 -5.60	16.02 0.14 -3.51	17.23 0.15 -2.24	21.40 0.12 -4.77	46.37 0.10 -32.25	42.51 0.06 -25.64	25.15 0.05 -1.58	19.34 0.05 -1.12	18.46 0.04 0.00	16.09 0.14 -0.16	14.75 0.12 -0.41	15.84 0.14 -0.43	13.73 0.13 -0.53	16.04 0.12 0.00	23.02 0.04 -18.34	18.73 0.12 -3.04	35.91 0.05 -28.16	44.20 0.09 -30.18	66.72 0.07 -55.02	29.78 0.02 -27.28	19.80 0.12 0.00	17.71 0.07 0.00
ALBANY___LFGE 323615	22.36 0.13 -15.16	20.67 0.12 -13.58	16.46 0.21 -5.66	16.16 0.24 -3.54	17.39 0.28 -2.27	21.59 0.27 -4.81	46.74 0.23 -32.50	42.92 0.23 -25.89	25.41 0.29 -1.60	19.53 0.23 -1.13	18.64 0.23 0.00	16.23 0.28 -0.17	14.88 0.25 -0.41	15.98 0.28 -0.43	13.85 0.25 -0.53	16.19 0.27 0.00	23.26 0.09 -18.52	18.92 0.29 -3.07	36.28 0.13 -28.44	44.65 0.24 -30.48	67.40 0.19 -55.58	30.09 0.04 -27.55	19.98 0.31 0.00	17.88 0.24 0.00
ALCOA_PA_115KV_PL-6C 55860	7.16 -0.01 -0.10	7.05 0.01 -0.08	10.63 0.01 -0.04	12.41 0.02 -0.02	14.85 0.00 -0.02	16.55 0.01 -0.03	14.12 -0.06 -0.16	16.80 -0.05 -0.04	23.46 0.00 0.07	18.15 -0.03 0.00	18.35 -0.06 0.00	15.70 -0.08 0.00	14.15 -0.06 0.00	15.21 -0.06 0.00	13.01 -0.06 0.00	15.84 -0.08 0.00	4.73 -0.03 -0.11	15.48 -0.10 -0.02	7.83 -0.05 -0.18	14.03 -0.09 -0.19	11.90 -0.07 -0.34	2.63 -0.03 -0.17	19.50 -0.18 0.00	17.51 -0.13 0.00
ALCOA_RYNLDS___DRP 24188	7.16 -0.01 -0.10	7.05 0.01 -0.08	10.63 0.01 -0.04	12.41 0.02 -0.02	14.85 0.00 -0.02	16.55 0.01 -0.03	14.12 -0.06 -0.16	16.80 -0.05 -0.04	23.46 0.00 0.07	18.15 -0.03 0.00	18.35 -0.06 0.00	15.70 -0.08 0.00	14.15 -0.06 0.00	15.21 -0.06 0.00	13.01 -0.06 0.00	15.84 -0.08 0.00	4.73 -0.03 -0.11	15.48 -0.10 -0.02	7.83 -0.05 -0.18	14.03 -0.09 -0.19	11.90 -0.07 -0.34	2.63 -0.03 -0.17	19.50 -0.18 0.00	17.51 -0.13 0.00
ALCOA___DSASP 323711	7.06 -0.01 0.00	6.97 0.00 0.00	10.60 0.01 0.00	12.39 0.02 0.00	14.84 0.00 0.00	16.52 0.01 0.00	13.96 -0.06 0.00	16.75 -0.05 0.00	23.45 0.00 0.07	18.14 -0.03 0.00	18.35 -0.06 0.00	15.70 -0.08 0.00	14.15 -0.06 0.00	15.21 -0.06 0.00	13.01 -0.06 0.00	15.84 -0.08 0.00	4.62 -0.03 0.00	15.47 -0.10 0.00	7.65 -0.05 0.00	13.84 -0.09 0.00	11.56 -0.08 0.00	2.46 -0.03 0.00	19.50 -0.18 0.00	17.51 -0.13 0.00
ALLEGHENY___COGEN 23514	9.06 0.03 -1.96	8.67 -0.04 -1.75	11.29 -0.03 -0.73	12.84 0.01 -0.46	15.16 0.03 -0.29	17.20 0.07 -0.62	18.77 0.26 -4.49	17.64 0.11 -0.73	22.13 -0.54 0.86	17.82 -0.37 -0.02	18.12 -0.30 0.00	15.47 -0.32 -0.01	13.89 -0.34 -0.01	14.93 -0.36 -0.01	12.82 -0.28 -0.02	15.66 -0.26 0.00	6.97 -0.06 -2.39	15.73 -0.23 -0.40	11.30 -0.07 -3.67	18.04 0.14 -3.97	19.09 0.30 -7.16	6.14 0.10 -3.55	20.37 0.69 0.00	18.34 0.70 0.00
ALTAMONT_115KV_TB 2 55880	22.27 0.17 -15.02	20.54 0.17 -13.40	16.47 0.27 -5.61	16.19 0.31 -3.51	17.46 0.37 -2.25	21.67 0.39 -4.77	46.62 0.35 -32.26	42.89 0.43 -25.65	25.66 0.56 -1.58	19.72 0.43 -1.12	18.83 0.41 0.00	16.34 0.39 -0.16	14.97 0.35 -0.41	16.07 0.37 -0.43	13.93 0.32 -0.53	16.30 0.38 0.00	23.10 0.11 -18.34	19.00 0.40 -3.04	36.07 0.20 -28.17	44.49 0.36 -30.19	66.97 0.30 -55.04	29.84 0.07 -27.29	20.17 0.49 0.00	18.03 0.39 0.00
ALTONA_WT_PWR 323606	7.46 0.38 0.00	7.27 0.31 0.00	11.04 0.45 0.00	12.93 0.56 0.00	15.56 0.72 0.00	17.46 0.95 0.00	14.83 0.81 0.00	17.66 0.85 0.00	24.84 1.38 0.06	19.01 0.84 0.00	19.24 0.83 0.00	16.44 0.66 0.00	14.84 0.63 0.00	15.93 0.66 0.00	13.62 0.55 0.00	16.53 0.61 0.00	4.86 0.21 0.00	16.07 0.51 0.00	8.02 0.32 0.00	14.63 0.70 0.00	12.20 0.57 0.00	2.57 0.08 0.00	20.38 0.70 0.00	18.12 0.48 0.00
AMERICAN_REF_FUEL 24010	8.27 -0.57 -1.77	7.93 -0.62 -1.58	10.35 -0.91 -0.66	11.76 -1.03 -0.41	13.83 -1.27 -0.26	15.53 -1.54 -0.56	15.46 -1.14 -2.59	15.96 -1.50 -0.66	20.34 -2.31 0.87	16.56 -1.62 -0.02	16.87 -1.54 0.00	14.44 -1.35 0.00	13.07 -1.16 -0.01	14.09 -1.20 -0.01	12.07 -1.02 -0.02	14.77 -1.15 0.00	6.47 -0.34 -2.17	14.67 -1.25 -0.36	10.39 -0.64 -3.32	16.26 -1.16 -3.48	17.25 -0.88 -6.49	5.57 -0.13 -3.22	18.56 -1.11 0.00	17.01 -0.63 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	8.90 -0.15 -1.98	8.53 -0.21 -1.77	11.07 -0.26 -0.74	12.78 -0.05 -0.46	15.09 -0.03 -0.29	16.91 -0.21 -0.61	17.34 0.04 -3.28	17.56 0.04 -0.72	22.44 -0.22 0.86	18.18 -0.01 -0.02	18.51 0.10 0.00	15.74 -0.05 0.00	14.16 -0.07 -0.01	15.20 -0.08 -0.01	12.96 -0.14 -0.02	15.79 -0.13 0.00	6.93 -0.08 -2.36	15.65 -0.30 -0.39	11.22 -0.11 -3.62	17.81 0.04 -3.83	18.92 0.21 -7.08	6.09 0.09 -3.51	20.36 0.68 0.00	18.57 0.93 0.00
ARTHUR_KILL_GT_1 23520	19.56 0.46 -12.03	18.17 0.44 -10.77	15.71 0.63 -4.49	15.87 0.69 -2.81	17.54 0.90 -1.80	21.33 1.00 -3.82	40.75 0.92 -25.81	38.72 1.07 -20.85	26.43 1.63 -1.28	20.44 1.36 -0.91	19.82 1.41 0.00	17.25 1.33 -0.14	15.70 1.15 -0.33	16.83 1.22 -0.35	14.53 1.03 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.22 1.22 -2.43	30.84 0.58 -22.55	39.06 0.96 -24.17	56.42 0.72 -44.07	24.51 0.17 -21.85	20.96 1.29 0.00	18.72 1.07 0.00
ARTHUR_KILL_2 23512	19.54 0.44 -12.03	18.16 0.42 -10.77	15.69 0.61 -4.49	15.85 0.66 -2.81	17.51 0.87 -1.80	21.29 0.96 -3.82	40.72 0.89 -25.81	38.68 1.04 -20.85	26.38 1.58 -1.28	20.40 1.32 -0.91	19.78 1.37 0.00	17.22 1.30 -0.14	15.67 1.13 -0.33	16.80 1.18 -0.35	14.50 1.00 -0.43	17.16 1.24 0.00	19.68 0.35 -14.69	19.19 1.19 -2.43	30.83 0.57 -22.55	39.03 0.92 -24.17	56.40 0.70 -44.07	24.50 0.17 -21.85	20.92 1.25 0.00	18.68 1.04 0.00
ARTHUR_KILL_3 23513	19.49 0.39 -12.03	18.10 0.37 -10.77	15.61 0.53 -4.49	15.75 0.57 -2.81	17.40 0.76 -1.80	21.17 0.84 -3.82	40.60 0.78 -25.81	38.62 0.97 -20.84	26.26 1.46 -1.28	20.30 1.22 -0.91	19.69 1.28 0.00	17.12 1.20 -0.13	15.62 1.08 -0.33	16.73 1.11 -0.35	14.45 0.95 -0.43	17.12 1.20 0.00	19.67 0.34 -14.69	19.12 1.12 -2.43	30.79 0.53 -22.55	38.99 0.89 -24.17	56.39 0.68 -44.07	24.49 0.15 -21.85	20.80 1.12 0.00	18.55 0.90 0.00
ARTHUR_KILL_COGEN 323718	19.56 0.46 -12.03	18.17 0.44 -10.77	15.71 0.63 -4.49	15.87 0.69 -2.81	17.54 0.90 -1.80	21.33 1.00 -3.82	40.75 0.92 -25.81	38.72 1.07 -20.85	26.43 1.63 -1.28	20.44 1.36 -0.91	19.82 1.41 0.00	17.25 1.33 -0.14	15.70 1.15 -0.33	16.83 1.22 -0.35	14.53 1.03 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.22 1.22 -2.43	30.84 0.58 -22.55	39.06 0.96 -24.17	56.42 0.72 -44.07	24.51 0.17 -21.85	20.96 1.29 0.00	18.72 1.07 0.00
ASHOKAN____ 23654	20.43 0.18 -13.18	18.92 0.15 -11.80	15.80 0.29 -4.92	15.75 0.30 -3.08	17.26 0.46 -1.97	21.22 0.52 -4.18	42.69 0.41 -28.26	39.96 0.48 -22.68	25.61 0.69 -1.40	19.61 0.45 -0.99	18.87 0.46 0.00	16.32 0.39 -0.14	14.97 0.39 -0.36	16.04 0.39 -0.38	13.88 0.34 -0.47	16.40 0.48 0.00	20.86 0.13 -16.09	18.73 0.51 -2.67	32.64 0.23 -24.70	40.86 0.45 -26.47	60.36 0.45 -48.27	26.53 0.11 -23.93	20.55 0.88 0.00	18.34 0.70 0.00

ASTORIA_EAST_ENERGY_CC1 323581	19.51	18.15	15.67	15.81	17.46	21.23	40.67	38.69	26.35	20.39	19.74	17.17	15.66	16.79	14.52	17.18	19.67	19.14	30.80	39.03	56.42	24.49	20.88	18.63
	0.41	0.41	0.58	0.62	0.82	0.90	0.84	1.05	1.55	1.31	1.32	1.25	1.11	1.17	1.02	1.26	0.34	1.15	0.54	0.93	0.72	0.16	1.20	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_EAST_ENERGY_CC2 323582	19.51	18.15	15.67	15.81	17.46	21.23	40.67	38.69	26.35	20.39	19.74	17.17	15.66	16.79	14.52	17.18	19.67	19.14	30.80	39.03	56.42	24.49	20.88	18.63
	0.41	0.41	0.58	0.62	0.82	0.90	0.85	1.05	1.55	1.31	1.32	1.25	1.11	1.17	1.02	1.26	0.34	1.15	0.54	0.93	0.72	0.16	1.20	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT2_1 24094	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT2_2 24095	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT2_3 24096	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT2_4 24097	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT3_1 24098	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT3_2 24099	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT3_3 24100	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT3_4 24101	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT4_1 24102	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT4_2 24103	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT4_3 24104	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT4_4 24105	19.51	18.15	15.67	15.81	17.46	21.23	40.68	38.71	26.36	20.40	19.75	17.18	15.66	16.80	14.52	17.18	19.68	19.15	30.80	39.04	56.43	24.50	20.89	18.63
	0.41	0.42	0.59	0.63	0.83	0.90	0.85	1.06	1.56	1.32	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.15	0.54	0.94	0.72	0.16	1.21	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
ASTORIA_GT_1 23523	19.52	18.16	15.68	15.83	17.48	21.26	40.71	38.74	26.41	20.44	19.79	17.21	15.69	16.83	14.55	17.22	19.69	19.18	30.82	39.07	56.45	24.50	20.92	18.66
	0.42	0.43	0.60	0.65	0.85	0.93	0.88	1.09	1.61	1.35	1.37	1.29	1.15	1.21	1.04	1.30	0.36	1.19	0.56	0.97	0.75	0.16	1.25	1.02
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00

ASTORIA_GT_10 24110	19.53 0.43 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.69 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.40 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.82 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
ASTORIA_GT_11 24225	19.53 0.43 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.69 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.40 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.82 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
ASTORIA_GT_12 24226	19.53 0.43 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.69 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.40 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.82 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
ASTORIA_GT_13 24227	19.53 0.43 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.69 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.40 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.82 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
ASTORIA_GT_5 24106	19.52 0.42 -12.03	18.16 0.43 -10.77	15.68 0.60 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.71 0.88 -25.81	38.74 1.09 -20.85	26.41 1.61 -1.28	20.44 1.35 -0.91	19.79 1.37 0.00	17.21 1.29 -0.14	15.69 1.15 -0.33	16.83 1.21 -0.35	14.55 1.04 -0.43	17.22 1.30 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.97 -24.17	56.45 0.75 -44.07	24.50 0.16 -21.85	20.92 1.25 0.00	18.66 1.02 0.00
ASTORIA_GT_7 24107	19.52 0.42 -12.03	18.16 0.43 -10.77	15.68 0.60 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.71 0.88 -25.81	38.74 1.09 -20.85	26.41 1.61 -1.28	20.44 1.35 -0.91	19.79 1.37 0.00	17.21 1.29 -0.14	15.69 1.15 -0.33	16.83 1.21 -0.35	14.55 1.04 -0.43	17.22 1.30 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.97 -24.17	56.45 0.75 -44.07	24.50 0.16 -21.85	20.92 1.25 0.00	18.66 1.02 0.00
ASTORIA_GT_8 24108	19.52 0.42 -12.03	18.16 0.43 -10.77	15.68 0.60 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.71 0.88 -25.81	38.74 1.09 -20.85	26.41 1.61 -1.28	20.44 1.35 -0.91	19.79 1.37 0.00	17.21 1.29 -0.14	15.69 1.15 -0.33	16.83 1.21 -0.35	14.55 1.04 -0.43	17.22 1.30 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.97 -24.17	56.45 0.75 -44.07	24.50 0.16 -21.85	20.92 1.25 0.00	18.66 1.02 0.00
ASTORIA___2 24149	19.51 0.41 -12.03	18.15 0.42 -10.77	15.67 0.59 -4.49	15.81 0.63 -2.81	17.46 0.83 -1.80	21.23 0.90 -3.82	40.68 0.85 -25.81	38.71 1.06 -20.85	26.36 1.56 -1.28	20.40 1.32 -0.91	19.75 1.34 0.00	17.18 1.26 -0.14	15.66 1.12 -0.33	16.80 1.18 -0.35	14.52 1.02 -0.43	17.18 1.27 0.00	19.68 0.35 -14.69	19.15 1.15 -2.43	30.80 0.54 -22.55	39.04 0.94 -24.17	56.43 0.72 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.63 0.99 0.00
ASTORIA___3 23516	19.53 0.43 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.69 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.40 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.82 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
ASTORIA___4 23517	19.53 0.43 -12.02	18.09 0.41 -10.71	15.68 0.59 -4.49	15.83 0.64 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.81	40.73 0.87 -25.84	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.39 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.83 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.09 0.98 -24.18	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
ASTORIA___5 23518	19.53 0.43 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.26 0.93 -3.82	40.69 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.40 0.00	17.22 1.30 -0.14	15.71 1.16 -0.33	16.82 1.21 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.64 1.00 0.00
AST_ENERGY_2_CC3 323677	19.52 0.42 -12.03	18.13 0.39 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.91 -3.82	40.65 0.83 -25.81	38.67 1.02 -20.84	26.35 1.55 -1.28	20.37 1.29 -0.91	19.77 1.36 0.00	17.16 1.24 -0.13	15.66 1.11 -0.33	16.78 1.16 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.68 0.35 -14.69	19.17 1.17 -2.43	30.81 0.56 -22.55	39.04 0.94 -24.17	56.43 0.73 -44.07	24.50 0.16 -21.85	20.87 1.20 0.00	18.61 0.97 0.00
AST_ENERGY_2_CC4 323678	19.52 0.42 -12.03	18.13 0.39 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.91 -3.82	40.65 0.83 -25.81	38.67 1.02 -20.84	26.35 1.55 -1.28	20.37 1.29 -0.91	19.77 1.36 0.00	17.16 1.24 -0.13	15.66 1.11 -0.33	16.78 1.16 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.68 0.35 -14.69	19.17 1.17 -2.43	30.81 0.56 -22.55	39.04 0.94 -24.17	56.43 0.73 -44.07	24.50 0.16 -21.85	20.87 1.20 0.00	18.61 0.97 0.00
ATHENS_STG_1 23668	20.81 0.21 -13.52	19.30 0.22 -12.11	15.98 0.34 -5.05	15.92 0.39 -3.16	17.31 0.45 -2.02	21.31 0.51 -4.29	43.47 0.46 -29.00	40.66 0.57 -23.28	25.75 0.80 -1.43	19.82 0.63 -1.02	19.03 0.61 0.00	16.49 0.55 -0.15	15.08 0.50 -0.37	16.19 0.53 -0.39	14.01 0.45 -0.48	16.47 0.56 0.00	21.31 0.16 -16.51	18.84 0.54 -2.73	33.31 0.26 -25.35	41.56 0.46 -27.17	61.54 0.37 -49.53	27.12 0.08 -24.56	20.27 0.60 0.00	18.12 0.47 0.00
ATHENS_STG_2 23670	20.81 0.21 -13.52	19.30 0.22 -12.11	15.98 0.34 -5.05	15.92 0.39 -3.16	17.31 0.45 -2.02	21.31 0.51 -4.29	43.47 0.46 -29.00	40.66 0.57 -23.28	25.75 0.80 -1.43	19.82 0.63 -1.02	19.03 0.61 0.00	16.49 0.55 -0.15	15.08 0.50 -0.37	16.19 0.53 -0.39	14.01 0.45 -0.48	16.47 0.56 0.00	21.31 0.16 -16.51	18.84 0.54 -2.73	33.31 0.26 -25.35	41.56 0.46 -27.17	61.54 0.37 -49.53	27.12 0.08 -24.56	20.27 0.60 0.00	18.12 0.47 0.00

ATHENS_STG_3 23677	20.81 0.21 -13.52	19.30 0.22 -12.11	15.98 0.34 -5.05	15.92 0.39 -3.16	17.31 0.45 -2.02	21.31 0.51 -4.29	43.47 0.46 -29.00	40.66 0.57 -23.28	25.75 0.80 -1.43	19.82 0.63 -1.02	19.03 0.61 0.00	16.49 0.55 -0.15	15.08 0.50 -0.37	16.19 0.53 -0.39	14.01 0.45 -0.48	16.47 0.56 0.00	21.31 0.16 -16.51	18.84 0.54 -2.73	33.31 0.26 -25.35	41.56 0.46 -27.17	61.54 0.37 -49.53	27.12 0.08 -24.56	20.27 0.60 0.00	18.12 0.47 0.00
AUBURN___LFG 323710	8.57 -0.02 -1.52	8.29 -0.05 -1.38	11.11 -0.05 -0.56	12.62 -0.11 -0.35	15.01 -0.05 -0.23	17.04 0.04 -0.48	18.06 0.13 -3.91	17.48 0.08 -0.60	22.61 -0.05 0.86	18.05 -0.13 -0.01	18.34 -0.07 0.00	15.71 -0.08 0.00	14.09 -0.13 -0.01	15.14 -0.14 -0.01	13.01 -0.08 -0.02	15.87 -0.04 0.00	6.52 0.01 -1.87	16.00 0.13 -0.31	10.65 0.08 -2.86	17.32 0.16 -3.22	17.41 0.18 -5.60	5.30 0.04 -2.77	19.92 0.25 0.00	17.80 0.16 0.00
BABYLON_RES_REC 323704	19.68 0.57 -12.03	19.54 0.56 -12.02	15.89 0.81 -4.49	16.08 0.90 -2.81	17.79 1.16 -1.80	22.50 1.33 -4.66	41.02 1.19 -25.81	39.03 1.37 -20.85	28.84 2.15 -3.17	20.67 1.58 -0.91	22.89 1.60 -2.88	29.96 1.50 -12.67	15.84 1.30 -0.33	16.94 1.32 -0.35	14.61 1.11 -0.43	22.69 1.51 -5.26	60.77 0.44 -55.69	19.38 1.38 -2.43	30.96 0.70 -22.56	61.79 1.27 -46.59	56.65 0.94 -44.08	34.02 0.22 -31.32	21.30 1.63 0.00	18.95 1.31 0.00
BABYLON__69_KV_BK2 356345	19.74 0.64 -12.02	19.68 0.62 -12.09	15.99 0.91 -4.49	16.20 1.02 -2.81	17.93 1.30 -1.80	22.65 1.49 -4.66	41.18 1.32 -25.84	39.19 1.54 -20.85	29.09 2.40 -3.17	20.84 1.76 -0.91	23.05 1.76 -2.88	30.11 1.65 -12.67	15.96 1.41 -0.33	17.06 1.44 -0.35	14.71 1.21 -0.43	22.84 1.66 -5.26	60.82 0.49 -55.69	19.54 1.54 -2.43	31.05 0.79 -22.56	61.96 1.43 -46.60	56.78 1.06 -44.08	34.05 0.25 -31.32	21.52 1.85 0.00	19.14 1.50 0.00
BARON_WINDS___WT_PWR 323822	9.41 -0.10 -2.44	9.04 -0.11 -2.18	11.38 -0.12 -0.91	12.82 -0.13 -0.57	15.07 -0.14 -0.36	17.07 -0.21 -0.77	20.28 -0.03 -6.29	17.47 -0.24 -0.90	22.18 -0.52 0.82	17.89 -0.31 -0.03	18.21 -0.20 0.00	15.53 -0.26 -0.01	13.97 -0.26 -0.01	14.99 -0.29 -0.02	12.92 -0.18 -0.03	15.81 -0.11 0.00	7.62 0.00 -2.98	15.91 -0.15 -0.49	12.21 -0.06 -4.57	18.91 -0.03 -5.00	20.58 0.01 -8.93	6.95 0.04 -4.43	19.91 0.23 0.00	18.00 0.36 0.00
BARRETT_IC_1 23704	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_10 23701	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_11 23702	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_12 23703	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_2 23705	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_3 23706	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_4 23707	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_5 23708	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_6 23709	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_7 23710	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00

BARRETT_IC_8 23711	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT_IC_9 23700	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT___1 23545	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BARRETT___2 23546	19.60 0.49 -12.03	19.50 0.50 -12.04	15.79 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.31 1.12 -4.67	40.80 0.97 -25.81	38.77 1.11 -20.85	28.45 1.75 -3.17	20.41 1.33 -0.91	22.73 1.43 -2.88	29.82 1.36 -12.67	15.75 1.20 -0.33	16.87 1.25 -0.35	14.56 1.05 -0.43	22.58 1.40 -5.26	60.72 0.39 -55.69	19.17 1.17 -2.43	30.85 0.59 -22.56	61.57 1.04 -46.59	56.46 0.76 -44.08	33.98 0.18 -31.32	20.99 1.31 0.00	18.75 1.11 0.00
BATAVIA___115KV_TB1 55881	8.32 -0.34 -1.59	8.02 -0.40 -1.45	10.60 -0.58 -0.59	12.10 -0.64 -0.37	14.30 -0.77 -0.24	16.13 -0.88 -0.50	15.35 -0.56 -1.90	16.63 -0.77 -0.59	21.23 -1.41 0.89	17.12 -1.06 -0.01	17.36 -1.05 0.00	14.82 -0.97 0.00	13.39 -0.83 -0.01	14.59 -0.69 -0.01	12.42 -0.67 -0.02	15.57 -0.35 0.00	6.40 -0.19 -1.94	15.07 -0.81 -0.32	10.33 -0.35 -2.98	16.45 -0.57 -3.09	17.08 -0.38 -5.82	5.34 -0.04 -2.88	19.24 -0.43 0.00	17.50 -0.15 0.00
BAYONEEC___CTG1 323682	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG10 323750	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG2 323683	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG3 323684	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG4 323685	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG5 323686	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG6 323687	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG7 323688	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG8 323689	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00
BAYONEEC___CTG9 323749	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.92 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.37 1.57 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.06 0.96 -24.17	56.44 0.74 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.62 0.97 0.00

BEACON___LESR 323632	22.21 0.15 -14.99	20.54 0.15 -13.42	16.44 0.25 -5.59	16.17 0.30 -3.50	17.49 0.41 -2.24	21.67 0.40 -4.76	46.46 0.31 -32.13	42.74 0.32 -25.61	25.49 0.39 -1.58	19.60 0.31 -1.12	18.73 0.32 0.00	16.27 0.32 -0.16	14.94 0.32 -0.41	16.01 0.31 -0.43	13.88 0.28 -0.52	16.23 0.31 0.00	23.06 0.11 -18.31	18.99 0.40 -3.03	36.02 0.19 -28.12	44.43 0.36 -30.14	66.85 0.26 -54.95	29.78 0.05 -27.24	20.10 0.42 0.00	18.00 0.36 0.00
BEAVER RIVER___HYD 24048	7.38 -0.19 -0.49	7.22 -0.18 -0.44	10.54 -0.24 -0.18	12.25 -0.24 -0.11	14.64 -0.27 -0.07	16.42 -0.25 -0.16	14.86 -0.15 -0.99	16.56 -0.25 0.00	22.72 -0.43 0.36	17.68 -0.49 0.00	17.79 -0.62 0.00	15.15 -0.64 0.00	13.61 -0.60 0.00	14.61 -0.66 0.00	12.48 -0.60 0.00	15.20 -0.72 0.00	4.99 -0.23 -0.58	14.94 -0.72 -0.10	8.33 -0.27 -0.89	14.68 -0.20 -0.96	13.23 -0.14 -1.74	3.28 -0.07 -0.86	18.98 -0.69 0.00	16.92 -0.72 0.00
BEEBEE_GT_13 23619	8.26 -0.26 -1.46	7.98 -0.31 -1.32	10.69 -0.45 -0.54	12.22 -0.49 -0.34	14.47 -0.58 -0.22	16.29 -0.68 -0.46	15.09 -0.46 -1.54	16.72 -0.63 -0.54	21.53 -1.09 0.89	17.42 -0.76 -0.01	17.70 -0.71 0.00	15.15 -0.64 0.00	13.67 -0.55 -0.01	14.69 -0.59 -0.01	12.61 -0.48 -0.02	15.32 -0.60 0.00	6.27 -0.16 -1.78	15.35 -0.51 -0.30	10.20 -0.24 -2.73	16.33 -0.41 -2.81	16.68 -0.29 -5.34	5.10 -0.04 -2.65	19.31 -0.37 0.00	17.47 -0.17 0.00
BENSHRST_27_KV_BENSHRST_1 355998	19.59 0.50 -12.02	18.15 0.47 -10.71	15.76 0.68 -4.49	15.92 0.74 -2.81	17.60 0.96 -1.80	21.40 1.07 -3.81	40.86 1.00 -25.84	38.88 1.23 -20.85	26.64 1.84 -1.28	20.61 1.53 -0.91	20.00 1.59 0.00	17.38 1.46 -0.14	15.84 1.29 -0.33	16.96 1.34 -0.35	14.65 1.15 -0.43	17.35 1.43 0.00	19.74 0.41 -14.69	19.37 1.38 -2.43	30.91 0.65 -22.55	39.22 1.11 -24.18	56.57 0.87 -44.07	24.53 0.19 -21.85	21.11 1.44 0.00	18.81 1.16 0.00
BETHLEHEM___GRP 23843	22.13 0.07 -14.99	20.36 0.06 -13.33	16.32 0.12 -5.60	16.02 0.14 -3.51	17.23 0.15 -2.24	21.40 0.12 -4.77	46.37 0.10 -32.25	42.51 0.06 -25.64	25.15 0.05 -1.58	19.34 0.05 -1.12	18.46 0.04 0.00	16.09 0.14 -0.16	14.75 0.12 -0.41	15.84 0.14 -0.43	13.73 0.13 -0.53	16.04 0.12 0.00	23.02 0.04 -18.34	18.73 0.12 -3.04	35.91 0.05 -28.16	44.20 0.09 -30.18	66.72 0.07 -55.02	29.78 0.02 -27.28	19.80 0.12 0.00	17.71 0.07 0.00
BETHLEHEM___GS1 323560	22.14 0.07 -15.01	20.46 0.06 -13.43	16.32 0.12 -5.60	16.02 0.14 -3.51	17.23 0.15 -2.24	21.40 0.12 -4.77	46.28 0.10 -32.16	42.51 0.06 -25.64	25.15 0.05 -1.58	19.34 0.05 -1.12	18.46 0.04 0.00	16.09 0.14 -0.16	14.75 0.12 -0.41	15.84 0.14 -0.43	13.73 0.13 -0.53	16.04 0.12 0.00	23.02 0.04 -18.34	18.73 0.12 -3.04	35.91 0.05 -28.16	44.20 0.09 -30.17	66.72 0.07 -55.02	29.78 0.02 -27.28	19.79 0.12 0.00	17.71 0.07 0.00
BETHLEHEM___GS2 323561	22.14 0.07 -15.01	20.46 0.06 -13.43	16.32 0.12 -5.60	16.02 0.14 -3.51	17.23 0.15 -2.24	21.40 0.12 -4.77	46.28 0.10 -32.16	42.51 0.06 -25.64	25.15 0.05 -1.58	19.34 0.05 -1.12	18.46 0.04 0.00	16.09 0.14 -0.16	14.75 0.12 -0.41	15.84 0.14 -0.43	13.73 0.13 -0.53	16.04 0.12 0.00	23.02 0.04 -18.34	18.73 0.12 -3.04	35.91 0.05 -28.16	44.20 0.09 -30.17	66.72 0.07 -55.02	29.78 0.02 -27.28	19.79 0.12 0.00	17.71 0.07 0.00
BETHLEHEM___GS3 323562	22.14 0.07 -15.01	20.46 0.06 -13.43	16.32 0.12 -5.60	16.02 0.14 -3.51	17.23 0.15 -2.24	21.40 0.12 -4.77	46.28 0.10 -32.16	42.51 0.06 -25.64	25.15 0.05 -1.58	19.34 0.05 -1.12	18.46 0.04 0.00	16.09 0.14 -0.16	14.75 0.12 -0.41	15.84 0.14 -0.43	13.73 0.13 -0.53	16.04 0.12 0.00	23.02 0.04 -18.34	18.73 0.12 -3.04	35.91 0.05 -28.16	44.20 0.09 -30.17	66.72 0.07 -55.02	29.78 0.02 -27.28	19.79 0.12 0.00	17.71 0.07 0.00
BETHLEHEM___STEEL 23779	8.67 -0.30 -1.90	8.38 -0.35 -1.76	10.81 -0.49 -0.70	12.29 -0.52 -0.44	14.48 -0.64 -0.28	16.27 -0.84 -0.60	16.20 -0.60 -2.78	16.74 -0.76 -0.70	21.38 -1.28 0.87	17.38 -0.81 -0.02	17.71 -0.71 0.00	15.12 -0.67 0.00	13.66 -0.57 -0.01	14.72 -0.56 -0.01	12.62 -0.48 -0.02	15.42 -0.50 0.00	6.80 -0.15 -2.31	15.35 -0.60 -0.38	10.93 -0.31 -3.54	17.11 -0.54 -3.72	18.19 -0.37 -6.93	5.89 -0.03 -3.43	19.39 -0.28 0.00	17.72 0.08 0.00
BETHLHEM_115KV_TB1 79974	22.15 0.09 -14.98	20.38 0.09 -13.33	16.35 0.16 -5.60	16.06 0.18 -3.50	17.28 0.19 -2.24	21.45 0.18 -4.76	46.40 0.17 -32.21	42.75 0.43 -25.52	25.62 0.52 -1.57	19.69 0.40 -1.12	18.80 0.39 0.00	16.32 0.37 -0.16	14.96 0.33 -0.41	16.06 0.36 -0.42	13.91 0.31 -0.52	16.29 0.37 0.00	23.00 0.11 -18.24	18.96 0.37 -3.02	35.90 0.19 -28.01	44.29 0.33 -30.02	66.64 0.27 -54.73	29.68 0.06 -27.13	20.12 0.45 0.00	18.00 0.36 0.00
BETHPAGE_CC_5 323564	19.66 0.56 -12.03	19.50 0.54 -12.00	15.86 0.78 -4.49	16.05 0.86 -2.81	17.75 1.11 -1.80	22.43 1.27 -4.65	40.96 1.13 -25.81	38.97 1.31 -20.85	28.75 2.05 -3.17	20.62 1.54 -0.91	22.88 1.58 -2.88	29.95 1.49 -12.67	15.83 1.28 -0.33	16.94 1.32 -0.35	14.59 1.09 -0.43	22.64 1.46 -5.26	60.75 0.41 -55.69	19.29 1.29 -2.43	30.91 0.65 -22.56	61.68 1.15 -46.59	56.56 0.85 -44.08	34.00 0.20 -31.32	21.23 1.56 0.00	18.90 1.26 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	8.77 -0.25 -1.94	8.48 -0.29 -1.80	10.92 -0.40 -0.72	12.43 -0.39 -0.45	14.66 -0.46 -0.29	16.47 -0.65 -0.61	16.51 -0.43 -2.92	16.98 -0.54 -0.71	21.69 -0.97 0.86	17.60 -0.59 -0.02	17.95 -0.46 0.00	15.32 -0.47 0.00	13.83 -0.39 -0.01	14.90 -0.38 -0.01	12.77 -0.32 -0.02	15.61 -0.31 0.00	6.90 -0.09 -2.35	15.54 -0.42 -0.39	11.09 -0.23 -3.61	17.35 -0.38 -3.80	18.46 -0.23 -7.06	5.99 0.00 -3.50	19.63 -0.05 0.00	17.93 0.28 0.00
BINGHAMTON___COGEN 23790	10.55 0.02 -3.45	10.20 0.02 -3.21	11.91 0.04 -1.28	13.20 0.03 -0.80	15.42 0.07 -0.51	17.67 0.07 -1.09	21.79 0.14 -7.63	18.20 -0.07 -1.46	22.55 -0.24 0.72	18.06 -0.17 -0.05	18.33 -0.09 0.00	15.65 -0.14 -0.01	14.12 -0.12 -0.02	15.15 -0.15 -0.02	13.12 0.01 -0.04	16.04 0.12 0.00	8.90 0.06 -4.19	16.42 0.16 -0.69	14.23 0.08 -6.44	21.07 0.19 -6.95	24.34 0.13 -12.57	8.76 0.04 -6.23	19.94 0.27 0.00	17.91 0.26 0.00
BIXINCNT_115KV_LOAD 355685	9.06 -0.08 -2.07	8.75 -0.12 -1.90	11.24 -0.12 -0.77	12.94 0.09 -0.47	15.28 0.15 -0.29	17.18 0.05 -0.63	17.62 0.19 -3.42	17.80 0.26 -0.73	22.81 0.15 0.86	18.36 0.17 -0.02	18.77 0.36 0.00	15.96 0.16 -0.01	14.34 0.12 -0.01	15.45 0.16 -0.01	13.22 0.12 -0.02	16.15 0.23 0.00	7.12 0.06 -2.41	16.09 0.13 -0.40	11.48 0.07 -3.70	18.09 0.23 -3.93	19.23 0.36 -7.24	6.20 0.13 -3.59	20.59 0.92 0.00	18.77 1.13 0.00
BLACK RIVER___HYD 24047	7.54 -0.21 -0.68	7.36 -0.22 -0.61	10.55 -0.30 -0.25	12.25 -0.28 -0.16	14.63 -0.31 -0.10	16.45 -0.28 -0.22	15.23 -0.15 -1.36	16.53 -0.28 0.00	22.42 -0.56 0.54	17.50 -0.66 0.01	17.61 -0.81 0.00	14.98 -0.81 0.00	13.46 -0.75 0.00	14.45 -0.82 0.00	12.33 -0.74 0.00	15.02 -0.90 0.00	5.18 -0.29 -0.82	14.81 -0.89 -0.14	8.62 -0.34 -1.26	15.00 -0.28 -1.35	13.93 -0.16 -2.46	3.64 -0.07 -1.22	18.92 -0.75 0.00	16.84 -0.80 0.00

BLACKRVR_115KV_TB2 79977	7.54 -0.21 -0.68	7.33 -0.22 -0.59	10.55 -0.30 -0.25	12.25 -0.28 -0.16	14.63 -0.31 -0.10	16.45 -0.28 -0.22	15.21 -0.15 -1.35	16.78 -0.28 -0.26	22.43 -0.56 0.52	17.51 -0.66 -0.01	17.61 -0.81 0.00	14.98 -0.81 0.00	13.46 -0.75 0.00	14.45 -0.82 0.00	12.34 -0.74 -0.01	15.02 -0.90 0.00	5.18 -0.29 -0.82	14.81 -0.89 -0.14	8.62 -0.34 -1.26	15.01 -0.28 -1.36	13.93 -0.16 -2.46	3.64 -0.07 -1.22	18.92 -0.75 0.00	16.84 -0.80 0.00
BLISS_WT_PWR 323608	9.05 -0.08 -2.06	8.69 -0.12 -1.84	11.24 -0.12 -0.77	12.94 0.10 -0.47	15.29 0.16 -0.29	17.19 0.05 -0.62	17.75 0.20 -3.52	17.82 0.28 -0.73	22.84 0.18 0.86	18.36 0.17 -0.02	18.78 0.37 0.00	15.98 0.19 -0.01	14.35 0.12 -0.01	15.45 0.17 -0.01	13.22 0.13 -0.02	16.16 0.24 0.00	7.12 0.06 -2.41	16.10 0.14 -0.40	11.48 0.07 -3.70	18.11 0.24 -3.93	19.25 0.38 -7.24	6.21 0.13 -3.59	20.63 0.95 0.00	18.78 1.14 0.00
BLUE_CIRC_CHEM_DRP 24182	21.94 0.17 -14.70	20.22 0.17 -13.08	16.36 0.28 -5.49	16.14 0.33 -3.44	17.41 0.38 -2.20	21.57 0.39 -4.67	45.99 0.33 -31.63	42.36 0.41 -25.15	25.56 0.49 -1.55	19.64 0.37 -1.10	18.76 0.34 0.00	16.29 0.34 -0.16	14.92 0.31 -0.40	16.03 0.34 -0.42	13.89 0.30 -0.52	16.25 0.33 0.00	22.70 0.10 -17.96	18.88 0.35 -2.98	35.46 0.18 -27.58	43.82 0.32 -29.56	65.79 0.27 -53.89	29.26 0.06 -26.72	20.13 0.45 0.00	18.01 0.37 0.00
BOC_GAS_DRP 24189	22.16 0.15 -14.94	20.43 0.15 -13.32	16.41 0.24 -5.58	16.13 0.27 -3.49	17.39 0.32 -2.23	21.58 0.33 -4.74	46.37 0.29 -32.07	42.70 0.37 -25.52	25.58 0.48 -1.57	19.66 0.38 -1.12	18.79 0.37 0.00	16.31 0.36 -0.16	14.94 0.33 -0.41	16.05 0.35 -0.42	13.90 0.31 -0.52	16.28 0.36 0.00	22.99 0.11 -18.24	18.94 0.36 -3.02	35.88 0.17 -28.01	44.26 0.30 -30.02	66.61 0.25 -54.73	29.68 0.06 -27.13	20.08 0.41 0.00	17.96 0.32 0.00
BOONVILLE_115KV_TB1 79983	7.49 -0.01 -0.42	7.30 0.00 -0.34	10.78 0.03 -0.16	12.52 0.05 -0.10	14.97 0.07 -0.07	16.74 0.10 -0.13	14.99 0.12 -0.85	17.10 0.13 -0.17	23.36 0.10 0.25	18.18 0.01 0.00	18.35 -0.06 0.00	15.67 -0.11 0.00	14.08 -0.14 0.00	15.12 -0.15 0.00	12.93 -0.14 0.00	15.75 -0.17 0.00	5.07 -0.05 -0.48	15.51 -0.13 -0.08	8.43 0.00 -0.73	14.87 0.15 -0.79	13.20 0.13 -1.44	3.21 0.01 -0.71	19.65 -0.03 0.00	17.61 -0.04 0.00
BORALEX_4TH_BRANCH 23824	22.42 0.31 -15.03	20.70 0.28 -13.46	16.64 0.44 -5.61	16.41 0.53 -3.51	17.72 0.64 -2.25	21.91 0.63 -4.77	46.75 0.52 -32.21	43.06 0.59 -25.66	25.78 0.68 -1.58	19.79 0.49 -1.12	18.87 0.45 0.00	16.33 0.38 -0.16	14.96 0.34 -0.41	16.07 0.38 -0.43	13.94 0.34 -0.53	16.32 0.40 0.00	23.12 0.13 -18.35	19.01 0.40 -3.04	36.12 0.23 -28.18	44.56 0.43 -30.20	67.09 0.39 -55.07	29.89 0.10 -27.30	20.36 0.69 0.00	18.20 0.56 0.00
BOWLINE___1 23526	19.09 0.37 -11.64	17.75 0.36 -10.43	15.46 0.52 -4.34	15.66 0.57 -2.72	17.32 0.74 -1.74	21.05 0.84 -3.70	39.78 0.78 -24.98	37.99 0.97 -20.22	26.18 1.42 -1.24	20.19 1.13 -0.88	19.59 1.18 0.00	17.00 1.09 -0.13	15.50 0.97 -0.32	16.63 1.02 -0.34	14.37 0.88 -0.41	17.03 1.11 0.00	19.18 0.32 -14.21	18.99 1.07 -2.36	30.05 0.52 -21.83	38.22 0.89 -23.40	54.99 0.70 -42.66	23.79 0.15 -21.15	20.79 1.12 0.00	18.54 0.90 0.00
BOWLINE___2 23595	19.10 0.37 -11.65	17.75 0.36 -10.43	15.46 0.52 -4.35	15.66 0.57 -2.72	17.32 0.74 -1.74	21.05 0.84 -3.70	39.78 0.78 -24.99	37.99 0.97 -20.22	26.18 1.42 -1.24	20.19 1.13 -0.88	19.59 1.18 0.00	17.00 1.09 -0.13	15.50 0.97 -0.32	16.63 1.02 -0.34	14.37 0.88 -0.41	17.03 1.11 0.00	19.18 0.32 -14.22	18.99 1.07 -2.36	30.06 0.52 -21.83	38.22 0.89 -23.40	55.00 0.70 -42.66	23.79 0.15 -21.15	20.80 1.12 0.00	18.54 0.90 0.00
BRADY___115KV_TB2 356060	7.19 -0.01 -0.13	7.08 0.01 -0.11	10.65 0.01 -0.05	12.43 0.02 -0.03	14.87 0.01 -0.02	16.60 0.05 -0.04	14.24 -0.01 -0.23	16.86 0.00 -0.05	23.46 0.03 0.09	18.14 -0.03 0.00	18.33 -0.08 0.00	15.68 -0.11 0.00	14.13 -0.08 0.00	15.18 -0.09 0.00	12.99 -0.09 0.00	15.81 -0.11 0.00	4.76 -0.04 -0.15	15.48 -0.11 -0.03	7.89 -0.05 -0.24	14.13 -0.06 -0.25	12.06 -0.03 -0.46	2.69 -0.02 -0.23	19.53 -0.15 0.00	17.52 -0.12 0.00
BRANSCOMB___SOLAR 323811	22.94 0.29 -15.58	21.17 0.26 -13.95	16.80 0.39 -5.81	16.49 0.48 -3.64	17.75 0.58 -2.33	22.12 0.66 -4.95	47.98 0.58 -33.38	44.00 0.66 -26.53	25.92 0.76 -1.64	19.91 0.58 -1.16	18.96 0.54 0.00	16.40 0.44 -0.17	15.03 0.39 -0.42	16.14 0.42 -0.44	13.99 0.37 -0.55	16.37 0.46 0.00	23.82 0.15 -19.02	19.28 0.56 -3.15	37.23 0.32 -29.21	45.85 0.61 -31.30	69.23 0.53 -57.07	30.89 0.11 -28.30	20.48 0.80 0.00	18.24 0.59 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	19.70 0.60 -12.02	19.64 0.59 -12.08	15.94 0.86 -4.49	16.15 0.97 -2.81	17.88 1.24 -1.80	22.59 1.41 -4.67	41.12 1.26 -25.84	39.12 1.47 -20.85	29.00 2.31 -3.17	20.77 1.69 -0.91	22.99 1.70 -2.88	30.05 1.59 -12.67	15.90 1.36 -0.33	16.99 1.38 -0.35	14.67 1.16 -0.43	22.79 1.62 -5.26	60.80 0.47 -55.69	19.48 1.48 -2.43	31.01 0.75 -22.56	61.89 1.36 -46.60	56.71 1.00 -44.08	34.04 0.24 -31.32	21.44 1.76 0.00	19.06 1.42 0.00
BRISTLHL_115KV_TB1 79998	7.89 -0.24 -1.05	7.66 -0.25 -0.95	10.61 -0.37 -0.39	12.19 -0.43 -0.25	14.49 -0.51 -0.16	16.30 -0.54 -0.33	15.74 -0.39 -2.11	16.65 -0.55 -0.40	21.77 -0.88 0.87	17.50 -0.67 -0.01	17.74 -0.67 0.00	15.20 -0.59 0.00	13.69 -0.53 -0.01	14.71 -0.57 -0.01	12.62 -0.46 -0.01	15.39 -0.53 0.00	5.80 -0.14 -1.30	15.29 -0.49 -0.22	9.48 -0.22 -2.00	15.71 -0.37 -2.15	15.25 -0.29 -3.90	4.37 -0.06 -1.94	19.16 -0.52 0.00	17.21 -0.44 0.00
BROOKHAVEN___DRP 24191	19.70 0.60 -12.02	19.65 0.60 -12.08	15.96 0.88 -4.49	16.16 0.98 -2.81	17.90 1.26 -1.80	22.63 1.45 -4.67	41.16 1.30 -25.84	39.14 1.49 -20.85	29.00 2.30 -3.17	20.65 1.56 -0.91	22.84 1.55 -2.88	29.93 1.47 -12.67	15.78 1.23 -0.33	16.85 1.23 -0.35	14.54 1.04 -0.43	22.65 1.47 -5.26	60.78 0.45 -55.69	19.41 1.41 -2.43	30.98 0.72 -22.56	61.87 1.34 -46.60	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	19.00 1.36 0.00
BROOKLYN_NAVY_YARD 23515	19.52 0.42 -12.03	18.13 0.40 -10.77	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.24 0.91 -3.82	40.67 0.84 -25.81	38.69 1.04 -20.84	26.35 1.56 -1.28	20.37 1.29 -0.91	19.73 1.33 0.01	17.15 1.23 -0.13	15.65 1.11 -0.33	16.78 1.16 -0.35	14.49 0.99 -0.43	17.18 1.26 0.00	19.68 0.35 -14.68	19.17 1.18 -2.43	30.81 0.56 -22.55	39.04 0.94 -24.17	56.43 0.73 -44.07	24.50 0.16 -21.85	20.88 1.21 0.00	18.61 0.97 0.00
BROOKLYN___ARMY_DRP 323595	19.56 0.46 -12.02	18.12 0.44 -10.71	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.32 1.00 -3.81	40.79 0.93 -25.84	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.18	56.50 0.79 -44.07	24.51 0.18 -21.85	21.00 1.32 0.00	18.71 1.07 0.00



BROOKVLE_69_KV_TB1 55790	19.63 0.53 -12.02	19.77 0.51 -12.29	15.82 0.74 -4.49	16.00 0.81 -2.81	17.69 1.05 -1.80	22.27 1.19 -4.57	40.93 1.07 -25.84	38.94 1.29 -20.85	28.66 1.97 -3.17	20.60 1.52 -0.91	22.89 1.60 -2.88	29.94 1.48 -12.67	15.84 1.29 -0.33	16.98 1.37 -0.35	14.66 1.16 -0.43	22.69 1.52 -5.26	60.76 0.43 -55.69	19.38 1.39 -2.43	30.95 0.68 -22.56	61.74 1.21 -46.60	56.64 0.92 -44.08	34.01 0.20 -31.32	21.19 1.52 0.00	18.87 1.23 0.00
BROOME_2_LFGE 323671	10.52 0.02 -3.42	10.05 0.02 -3.07	11.91 0.04 -1.28	13.20 0.03 -0.80	15.42 0.07 -0.51	17.67 0.07 -1.09	21.69 0.15 -7.52	18.19 -0.07 -1.46	22.55 -0.24 0.72	18.06 -0.17 -0.05	18.33 -0.09 0.00	15.65 -0.15 -0.01	14.12 -0.12 -0.02	15.15 -0.15 -0.02	13.12 0.01 -0.04	16.04 0.12 0.00	8.90 0.06 -4.19	16.41 0.16 -0.69	14.22 0.08 -6.44	21.06 0.19 -6.94	24.34 0.13 -12.57	8.76 0.04 -6.23	19.94 0.27 0.00	17.91 0.27 0.00
BROOME___LFGE 323600	10.52 0.02 -3.42	10.05 0.02 -3.07	11.91 0.04 -1.28	13.20 0.03 -0.80	15.42 0.07 -0.51	17.67 0.07 -1.09	21.69 0.15 -7.52	18.19 -0.07 -1.46	22.55 -0.24 0.72	18.06 -0.17 -0.05	18.33 -0.09 0.00	15.65 -0.15 -0.01	14.12 -0.12 -0.02	15.15 -0.15 -0.02	13.12 0.01 -0.04	16.04 0.12 0.00	8.90 0.06 -4.19	16.41 0.16 -0.69	14.22 0.08 -6.44	21.06 0.19 -6.94	24.34 0.13 -12.57	8.76 0.04 -6.23	19.94 0.27 0.00	17.91 0.27 0.00
BROWNFLS_115KV_TB_3_5 80003	7.17 -0.25 -0.34	7.01 -0.25 -0.29	10.36 -0.36 -0.13	12.07 -0.39 -0.08	14.43 -0.46 -0.05	16.17 -0.45 -0.11	14.33 -0.36 -0.68	16.48 -0.46 -0.14	22.60 -0.67 0.25	17.55 -0.63 0.00	17.68 -0.73 0.00	15.08 -0.71 0.00	13.57 -0.65 0.00	14.57 -0.71 0.00	12.45 -0.63 0.00	15.20 -0.72 0.00	4.83 -0.22 -0.41	14.92 -0.72 -0.07	8.04 -0.30 -0.63	14.24 -0.37 -0.68	12.57 -0.29 -1.23	3.01 -0.09 -0.61	18.87 -0.81 0.00	16.84 -0.80 0.00
BROWNSV1_27_KV_LOAD 356125	19.58 0.48 -12.02	18.13 0.46 -10.71	15.74 0.66 -4.49	15.90 0.72 -2.81	17.58 0.94 -1.80	21.37 1.05 -3.81	40.83 0.97 -25.84	38.85 1.20 -20.84	26.61 1.81 -1.28	20.56 1.48 -0.91	19.95 1.53 0.00	17.32 1.40 -0.13	15.81 1.26 -0.33	16.95 1.33 -0.35	14.64 1.13 -0.43	17.35 1.43 0.00	19.74 0.41 -14.69	19.34 1.34 -2.43	30.90 0.64 -22.55	39.21 1.10 -24.18	56.56 0.86 -44.07	24.52 0.19 -21.85	21.08 1.41 0.00	18.79 1.14 0.00
BURROWS___LYONSDAL 23803	7.46 -0.05 -0.44	7.27 -0.04 -0.35	10.72 -0.04 -0.16	12.46 -0.02 -0.10	14.90 -0.01 -0.07	16.67 0.02 -0.14	14.95 0.06 -0.87	17.02 0.05 -0.17	23.23 -0.02 0.27	18.08 -0.10 0.00	18.23 -0.19 0.00	15.56 -0.23 0.00	13.97 -0.24 0.00	15.00 -0.28 0.00	12.82 -0.26 0.00	15.61 -0.31 0.00	5.04 -0.10 -0.50	15.37 -0.28 -0.08	8.40 -0.07 -0.77	14.82 0.07 -0.83	13.20 0.06 -1.50	3.22 -0.01 -0.74	19.47 -0.21 0.00	17.42 -0.22 0.00
CAITHNESS_CC_1 323624	19.71 0.60 -12.03	19.61 0.60 -12.04	15.96 0.87 -4.49	16.16 0.98 -2.81	17.89 1.25 -1.80	22.63 1.44 -4.68	41.13 1.29 -25.81	39.14 1.48 -20.85	29.00 2.30 -3.17	20.68 1.59 -0.91	22.87 1.58 -2.88	29.96 1.50 -12.67	15.80 1.26 -0.33	16.88 1.26 -0.35	14.56 1.06 -0.43	22.68 1.50 -5.26	60.78 0.45 -55.69	19.42 1.42 -2.43	30.99 0.72 -22.56	61.86 1.33 -46.59	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	19.00 1.36 0.00
CALPINE BETH_PAGE_GT4 24209	19.64 0.54 -12.02	19.60 0.53 -12.11	15.85 0.76 -4.49	16.03 0.85 -2.81	17.72 1.09 -1.80	22.38 1.24 -4.63	40.97 1.11 -25.84	38.94 1.29 -20.85	28.71 2.02 -3.17	20.59 1.51 -0.91	22.86 1.56 -2.88	29.92 1.46 -12.67	15.81 1.27 -0.33	16.93 1.31 -0.35	14.59 1.09 -0.43	22.64 1.46 -5.26	60.74 0.40 -55.69	19.27 1.27 -2.43	30.90 0.63 -22.56	61.67 1.14 -46.60	56.55 0.84 -44.08	34.00 0.20 -31.32	21.21 1.53 0.00	18.88 1.24 0.00
CALPINE_BETH_PAGE_GT_4 323586	19.65 0.54 -12.03	19.48 0.53 -11.98	15.85 0.76 -4.49	16.03 0.85 -2.81	17.72 1.09 -1.80	22.39 1.24 -4.64	40.94 1.11 -25.81	38.94 1.29 -20.85	28.71 2.02 -3.17	20.59 1.51 -0.91	22.85 1.56 -2.88	29.92 1.46 -12.67	15.81 1.27 -0.33	16.93 1.31 -0.35	14.59 1.09 -0.43	22.64 1.46 -5.26	60.74 0.40 -55.69	19.27 1.27 -2.43	30.90 0.63 -22.56	61.66 1.14 -46.59	56.55 0.84 -44.08	34.00 0.20 -31.32	21.21 1.53 0.00	18.88 1.24 0.00
CALPINE_BP_GT1 23823	19.65 0.54 -12.03	19.48 0.53 -11.98	15.85 0.76 -4.49	16.03 0.85 -2.81	17.72 1.09 -1.80	22.39 1.24 -4.64	40.94 1.11 -25.81	38.94 1.29 -20.85	28.71 2.02 -3.17	20.59 1.51 -0.91	22.85 1.56 -2.88	29.92 1.46 -12.67	15.81 1.27 -0.33	16.93 1.31 -0.35	14.59 1.09 -0.43	22.64 1.46 -5.26	60.74 0.40 -55.69	19.27 1.27 -2.43	30.90 0.63 -22.56	61.66 1.14 -46.59	56.55 0.84 -44.08	34.00 0.20 -31.32	21.21 1.53 0.00	18.88 1.24 0.00
CALSPAN___DRP 24200	8.67 -0.30 -1.90	8.38 -0.35 -1.76	10.81 -0.49 -0.70	12.29 -0.52 -0.44	14.48 -0.64 -0.28	16.27 -0.84 -0.60	16.20 -0.60 -2.78	16.74 -0.76 -0.70	21.38 -1.28 0.87	17.38 -0.81 -0.02	17.71 -0.71 0.00	15.12 -0.67 0.00	13.66 -0.57 -0.01	14.72 -0.56 -0.01	12.62 -0.48 -0.02	15.42 -0.50 0.00	6.80 -0.15 -2.31	15.35 -0.60 -0.38	10.93 -0.31 -3.54	17.11 -0.54 -3.72	18.19 -0.37 -6.93	5.89 -0.03 -3.43	19.39 -0.28 0.00	17.72 0.08 0.00
CALVERTON___SOLAR 323806	19.71 0.61 -12.03	19.62 0.61 -12.04	15.97 0.89 -4.49	16.18 1.00 -2.81	17.91 1.28 -1.80	22.66 1.47 -4.68	41.15 1.32 -25.81	39.17 1.51 -20.85	29.03 2.34 -3.17	20.65 1.56 -0.91	22.83 1.54 -2.88	29.93 1.47 -12.67	15.77 1.22 -0.33	16.84 1.22 -0.35	14.53 1.03 -0.43	22.65 1.47 -5.26	60.78 0.45 -55.69	19.42 1.42 -2.43	30.99 0.73 -22.56	61.88 1.36 -46.59	56.69 0.98 -44.08	34.04 0.24 -31.32	21.38 1.71 0.00	19.02 1.37 0.00
CANDIGU_WT_PWR 323617	9.41 -0.10 -2.44	9.04 -0.11 -2.18	11.38 -0.12 -0.91	12.82 -0.13 -0.57	15.07 -0.14 -0.36	17.07 -0.21 -0.77	20.28 -0.03 -6.29	17.47 -0.24 -0.90	22.18 -0.52 0.82	17.89 -0.31 -0.03	18.21 -0.20 0.00	15.53 -0.26 -0.01	13.97 -0.26 -0.01	14.99 -0.29 -0.02	12.92 -0.18 -0.03	15.81 -0.11 0.00	7.62 0.00 -2.98	15.91 -0.15 -0.49	12.21 -0.06 -4.57	18.91 -0.03 -5.00	20.58 0.01 -8.93	6.95 0.04 -4.43	19.91 0.23 0.00	18.00 0.36 0.00
CARR STREET_E__SYR 24060	8.06 -0.16 -1.14	7.82 -0.17 -1.02	10.77 -0.25 -0.43	12.35 -0.29 -0.27	14.67 -0.34 -0.17	16.50 -0.37 -0.36	16.10 -0.24 -2.33	16.85 -0.40 -0.44	22.00 -0.66 0.86	17.68 -0.50 -0.01	17.94 -0.48 0.00	15.36 -0.43 0.00	13.83 -0.39 -0.01	14.86 -0.42 -0.01	12.77 -0.32 -0.01	15.58 -0.34 0.00	6.00 -0.08 -1.44	15.52 -0.28 -0.24	9.79 -0.13 -2.21	16.09 -0.20 -2.36	15.78 -0.16 -4.31	4.60 -0.03 -2.14	19.39 -0.28 0.00	17.42 -0.22 0.00
CARTHAGE___PAPER 23857	7.52 -0.16 -0.61	7.35 -0.16 -0.54	10.61 -0.21 -0.23	12.33 -0.19 -0.14	14.73 -0.20 -0.09	16.54 -0.17 -0.19	15.16 -0.08 -1.22	16.63 -0.18 0.00	22.66 -0.39 0.47	17.64 -0.52 0.01	17.74 -0.68 0.00	15.09 -0.70 0.00	13.56 -0.66 0.00	14.55 -0.72 0.00	12.42 -0.66 0.00	15.13 -0.79 0.00	5.12 -0.25 -0.73	14.91 -0.77 -0.12	8.55 -0.27 -1.12	14.95 -0.17 -1.20	13.72 -0.09 -2.18	3.51 -0.06 -1.08	19.05 -0.63 0.00	16.97 -0.67 0.00

CASSADAGA_WT_PWR 323784	9.03 -0.05 -2.00	8.66 -0.10 -1.79	11.26 -0.08 -0.75	13.00 0.17 -0.46	15.38 0.26 -0.29	17.25 0.13 -0.61	17.72 0.34 -3.37	17.96 0.43 -0.72	22.98 0.32 0.86	18.56 0.37 -0.02	18.90 0.49 0.00	16.04 0.25 0.00	14.42 0.19 -0.01	15.48 0.20 -0.01	13.18 0.09 -0.02	16.05 0.13 0.00	7.01 -0.01 -2.37	15.89 -0.07 -0.39	11.37 0.02 -3.64	18.10 0.31 -3.86	19.20 0.44 -7.12	6.16 0.15 -3.53	20.77 1.09 0.00	18.93 1.29 0.00
CE_DUNWOOD___DRP 24194	19.46 0.40 -11.99	18.03 0.37 -10.69	15.62 0.54 -4.48	15.78 0.60 -2.80	17.41 0.78 -1.79	21.20 0.88 -3.80	40.62 0.81 -25.79	38.61 1.00 -20.80	26.28 1.48 -1.28	20.28 1.20 -0.91	19.66 1.25 0.00	17.07 1.15 -0.13	15.56 1.02 -0.33	16.69 1.08 -0.35	14.43 0.93 -0.43	17.09 1.17 0.00	19.63 0.33 -14.66	19.10 1.11 -2.43	30.75 0.54 -22.51	38.98 0.92 -24.13	56.34 0.73 -43.98	24.45 0.15 -21.80	20.84 1.16 0.00	18.57 0.93 0.00
CE_MILLWOOD___DRP 24193	19.41 0.38 -11.95	17.98 0.36 -10.65	15.59 0.53 -4.46	15.74 0.58 -2.79	17.38 0.76 -1.79	21.16 0.86 -3.79	40.50 0.79 -25.69	38.51 0.98 -20.73	26.23 1.44 -1.27	20.24 1.16 -0.91	19.62 1.21 0.00	17.03 1.11 -0.13	15.54 0.99 -0.33	16.66 1.04 -0.34	14.40 0.90 -0.42	17.06 1.14 0.00	19.57 0.32 -14.60	19.06 1.08 -2.42	30.65 0.52 -22.42	38.87 0.90 -24.03	56.15 0.71 -43.80	24.36 0.15 -21.72	20.81 1.14 0.00	18.55 0.91 0.00
CE_NYC2_DRP 24202	19.53 0.44 -12.02	18.09 0.42 -10.71	15.68 0.60 -4.49	15.83 0.65 -2.81	17.49 0.85 -1.80	21.27 0.94 -3.81	40.74 0.88 -25.84	38.74 1.09 -20.85	26.44 1.64 -1.28	20.45 1.36 -0.91	19.82 1.41 0.00	17.23 1.30 -0.14	15.72 1.17 -0.33	16.84 1.22 -0.35	14.54 1.04 -0.43	17.23 1.31 0.00	19.70 0.37 -14.69	19.23 1.23 -2.43	30.84 0.58 -22.55	39.10 0.99 -24.18	56.47 0.76 -44.07	24.50 0.17 -21.85	20.93 1.25 0.00	18.65 1.01 0.00
CE_NYC_DRP 24195	19.53 0.43 -12.02	18.09 0.41 -10.71	15.67 0.59 -4.49	15.82 0.64 -2.81	17.48 0.85 -1.80	21.26 0.94 -3.81	40.73 0.87 -25.84	38.73 1.08 -20.84	26.43 1.63 -1.28	20.43 1.34 -0.91	19.81 1.40 0.00	17.19 1.28 -0.13	15.69 1.15 -0.33	16.82 1.20 -0.35	14.53 1.03 -0.43	17.23 1.31 0.00	19.70 0.37 -14.69	19.22 1.22 -2.43	30.84 0.58 -22.55	39.10 0.99 -24.18	56.47 0.77 -44.07	24.50 0.17 -21.85	20.92 1.25 0.00	18.64 1.00 0.00
CHAFFEE___LFGE 323603	8.80 -0.25 -1.98	8.44 -0.30 -1.77	10.93 -0.40 -0.74	12.50 -0.33 -0.46	14.75 -0.37 -0.29	16.57 -0.55 -0.61	16.91 -0.32 -3.22	17.15 -0.38 -0.72	21.90 -0.76 0.86	17.73 -0.46 -0.02	18.10 -0.32 0.00	15.43 -0.36 0.00	13.91 -0.31 -0.01	15.00 -0.29 -0.01	12.84 -0.25 -0.02	15.70 -0.22 0.00	6.94 -0.07 -2.37	15.63 -0.33 -0.39	11.17 -0.18 -3.64	17.50 -0.28 -3.85	18.64 -0.12 -7.12	6.04 0.02 -3.53	19.81 0.14 0.00	18.07 0.43 0.00
CHATEAUG_35_KV_LOAD 355732	7.34 0.18 -0.09	7.18 0.15 -0.07	10.84 0.21 -0.03	12.66 0.26 -0.02	15.19 0.34 -0.01	17.00 0.46 -0.03	14.52 0.37 -0.14	17.24 0.40 -0.04	24.13 0.67 0.06	18.65 0.47 0.00	18.73 0.32 0.00	16.00 0.22 0.00	14.45 0.23 0.00	15.53 0.26 0.00	13.28 0.20 0.00	16.12 0.20 0.00	4.82 0.07 -0.11	15.71 0.12 -0.02	7.97 0.10 -0.16	14.34 0.24 -0.17	12.12 0.17 -0.31	2.65 0.01 -0.16	19.77 0.10 0.00	17.70 0.06 0.00
CHATEAUG_WT_PWR 323614	7.28 0.21 0.00	7.13 0.17 0.00	10.84 0.24 0.00	12.67 0.30 0.00	15.23 0.39 0.00	17.04 0.54 0.00	14.46 0.44 0.00	17.27 0.47 0.00	24.26 0.80 0.05	18.65 0.48 0.00	18.83 0.42 0.00	16.09 0.31 0.00	14.53 0.31 0.00	15.61 0.33 0.00	13.33 0.26 0.00	16.19 0.27 0.00	4.74 0.10 0.00	15.75 0.18 0.00	7.84 0.13 0.00	14.25 0.32 0.00	11.87 0.24 0.00	2.51 0.02 0.00	19.88 0.20 0.00	17.77 0.13 0.00
CHAT_HIGH_FALL_HYD 323578	7.25 0.18 0.00	7.12 0.15 0.00	10.81 0.21 0.00	12.64 0.26 0.00	15.18 0.34 0.00	16.97 0.46 0.00	14.38 0.37 0.00	17.20 0.39 0.00	24.13 0.67 0.06	18.65 0.47 0.00	18.73 0.32 0.00	16.00 0.21 0.00	14.45 0.23 0.00	15.53 0.26 0.00	13.28 0.20 0.00	16.12 0.20 0.00	4.72 0.07 0.00	15.69 0.12 0.00	7.80 0.10 0.00	14.17 0.24 0.00	11.80 0.17 0.00	2.50 0.01 0.00	19.77 0.10 0.00	17.70 0.06 0.00
CHAUTAUQUA___LFGE 323629	8.84 -0.16 -1.93	8.47 -0.22 -1.73	11.03 -0.28 -0.72	12.65 -0.17 -0.45	14.93 -0.20 -0.28	16.74 -0.37 -0.60	16.97 -0.13 -3.08	17.32 -0.20 -0.71	22.13 -0.53 0.86	17.93 -0.26 -0.02	18.27 -0.15 0.00	15.56 -0.23 0.00	14.02 -0.21 -0.01	15.08 -0.20 -0.01	12.88 -0.22 -0.02	15.71 -0.21 0.00	6.89 -0.09 -2.33	15.60 -0.35 -0.39	11.13 -0.15 -3.57	17.59 -0.11 -3.77	18.67 0.05 -6.99	6.01 0.06 -3.47	20.09 0.41 0.00	18.33 0.69 0.00
CHERRYST_13_KV_LD 356241	19.54 0.45 -12.02	18.10 0.43 -10.71	15.70 0.62 -4.49	15.85 0.67 -2.81	17.53 0.89 -1.80	21.31 0.99 -3.81	40.77 0.91 -25.84	38.78 1.13 -20.84	26.51 1.71 -1.28	20.49 1.41 -0.91	19.88 1.46 0.00	17.25 1.33 -0.13	15.74 1.20 -0.33	16.88 1.26 -0.35	14.58 1.08 -0.43	17.29 1.37 0.00	19.72 0.39 -14.69	19.27 1.28 -2.43	30.87 0.61 -22.55	39.14 1.03 -24.18	56.50 0.80 -44.07	24.51 0.17 -21.85	20.97 1.30 0.00	18.69 1.05 0.00
CHESTROR_138KV_BK263 355645	18.37 0.35 -10.95	17.06 0.33 -9.77	15.16 0.48 -4.09	15.46 0.53 -2.56	17.16 0.68 -1.64	20.77 0.78 -3.48	38.66 0.73 -23.91	36.80 0.90 -19.10	25.98 1.29 -1.17	20.03 1.02 -0.83	19.46 1.05 0.00	16.87 0.96 -0.12	15.37 0.85 -0.30	16.49 0.90 -0.32	14.25 0.78 -0.39	16.90 0.98 0.00	18.30 0.28 -13.37	18.74 0.96 -2.21	28.71 0.47 -20.53	36.76 0.82 -22.01	52.41 0.66 -40.13	22.52 0.14 -19.89	20.72 1.05 0.00	18.48 0.83 0.00
CH_MIDHUDSON___DRP 24192	19.62 0.37 -12.18	18.14 0.35 -10.83	15.66 0.51 -4.55	15.79 0.57 -2.85	17.39 0.73 -1.82	21.21 0.84 -3.86	41.01 0.77 -26.22	38.86 0.95 -21.10	26.19 1.37 -1.30	20.18 1.09 -0.92	19.54 1.12 0.00	16.94 1.02 -0.13	15.46 0.92 -0.34	16.60 0.97 -0.35	14.35 0.84 -0.43	16.97 1.06 0.00	19.83 0.30 -14.88	19.06 1.02 -2.47	31.06 0.50 -22.85	39.30 0.87 -24.50	56.99 0.70 -44.65	24.78 0.15 -22.14	20.79 1.11 0.00	18.53 0.89 0.00
CH_MISC_IPPS 23765	19.45 0.42 -11.96	18.07 0.40 -10.70	15.64 0.58 -4.46	15.82 0.65 -2.79	17.46 0.83 -1.79	21.26 0.96 -3.80	40.55 0.88 -25.65	38.61 1.08 -20.72	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.25 0.00	17.05 1.13 -0.13	15.56 1.02 -0.33	16.70 1.09 -0.34	14.43 0.94 -0.42	17.09 1.17 0.00	19.58 0.34 -14.60	19.14 1.16 -2.42	30.69 0.57 -22.41	38.95 1.00 -24.02	56.24 0.81 -43.80	24.37 0.17 -21.72	20.95 1.27 0.00	18.67 1.02 0.00
CH_RES_BVR_FALLS 23983	6.98 -0.09 0.00	6.87 -0.09 0.00	10.47 -0.12 0.00	12.26 -0.12 0.00	14.70 -0.14 0.00	16.33 -0.18 0.00	13.82 -0.20 0.00	16.59 -0.21 0.00	23.30 -0.17 0.05	18.04 -0.13 0.00	18.25 -0.16 0.00	15.62 -0.16 0.00	14.07 -0.14 0.00	15.10 -0.17 0.00	12.90 -0.17 0.00	15.67 -0.24 0.00	4.57 -0.08 0.00	15.28 -0.28 0.00	7.58 -0.12 0.00	13.78 -0.15 0.00	11.48 -0.15 0.00	2.44 -0.05 0.00	19.23 -0.45 0.00	17.23 -0.42 0.00

CH_RES_NIAGARA 23895	8.23 -0.60 -1.76	7.90 -0.64 -1.58	10.31 -0.94 -0.66	11.72 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.59 -0.56	15.36 -1.24 -2.58	15.91 -1.55 -0.65	20.27 -2.37 0.87	16.53 -1.66 -0.02	16.84 -1.57 0.00	14.42 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.72 -1.21 0.00	6.44 -0.36 -2.16	14.64 -1.29 -0.36	10.35 -0.67 -3.31	16.19 -1.21 -3.47	17.19 -0.92 -6.47	5.55 -0.14 -3.21	18.51 -1.17 0.00	16.96 -0.68 0.00
CH_RES_SYRACUSE 23985	8.21 -0.12 -1.26	7.96 -0.13 -1.13	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.64 -0.27 -0.40	17.04 -0.15 -3.18	17.01 -0.28 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.23 -0.09 -4.69	4.80 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
CLINTON_WT_PWR 323605	7.28 0.21 0.00	7.13 0.17 0.00	10.84 0.24 0.00	12.67 0.30 0.00	15.23 0.39 0.00	17.04 0.54 0.00	14.46 0.44 0.00	17.27 0.47 0.00	24.26 0.80 0.05	18.65 0.48 0.00	18.83 0.42 0.00	16.09 0.31 0.00	14.53 0.31 0.00	15.61 0.33 0.00	13.33 0.26 0.00	16.19 0.27 0.00	4.74 0.10 0.00	15.75 0.18 0.00	7.84 0.13 0.00	14.25 0.32 0.00	11.87 0.24 0.00	2.51 0.02 0.00	19.88 0.20 0.00	17.77 0.13 0.00
CLINTON___LFGE 323618	7.42 0.34 0.00	7.25 0.28 0.00	11.01 0.42 0.00	12.88 0.51 0.00	15.50 0.66 0.00	17.38 0.87 0.00	14.77 0.75 0.00	17.60 0.80 0.00	24.77 1.30 0.06	18.91 0.74 0.00	19.13 0.71 0.00	16.35 0.57 0.00	14.76 0.55 0.00	15.84 0.57 0.00	13.54 0.47 0.00	16.44 0.52 0.00	4.83 0.18 0.00	16.01 0.44 0.00	7.99 0.28 0.00	14.58 0.64 0.00	12.16 0.53 0.00	2.57 0.08 0.00	20.32 0.64 0.00	18.09 0.45 0.00
COBBLENY_34_KV_TB1 80064	8.81 -0.25 -1.99	8.51 -0.30 -1.84	10.93 -0.41 -0.74	12.50 -0.33 -0.46	14.75 -0.38 -0.29	16.58 -0.54 -0.62	16.78 -0.33 -3.09	17.13 -0.39 -0.72	21.89 -0.77 0.86	17.73 -0.46 -0.02	18.10 -0.32 0.00	15.43 -0.37 0.00	13.91 -0.31 -0.01	14.99 -0.29 -0.01	12.85 -0.25 -0.02	15.70 -0.22 0.00	6.95 -0.07 -2.37	15.62 -0.33 -0.39	11.16 -0.18 -3.64	17.50 -0.28 -3.85	18.63 -0.13 -7.12	6.04 0.02 -3.53	19.80 0.12 0.00	18.07 0.43 0.00
COFFEEN___115KV_TB3 355620	7.58 -0.18 -0.69	7.37 -0.19 -0.60	10.59 -0.26 -0.26	12.29 -0.24 -0.16	14.69 -0.25 -0.10	16.52 -0.21 -0.22	15.30 -0.09 -1.37	16.85 -0.21 -0.26	22.47 -0.51 0.54	17.51 -0.66 -0.01	17.59 -0.83 0.00	14.96 -0.82 0.00	13.45 -0.77 0.00	14.44 -0.84 0.00	12.33 -0.75 -0.01	15.01 -0.91 0.00	5.20 -0.29 -0.83	14.81 -0.90 -0.14	8.64 -0.35 -1.28	15.06 -0.25 -1.38	14.04 -0.11 -2.51	3.67 -0.06 -1.24	19.02 -0.65 0.00	16.93 -0.71 0.00
COLDSPRG_115KV_BK1 355956	9.29 0.11 -2.10	8.97 0.08 -1.93	11.54 0.17 -0.78	13.34 0.49 -0.47	15.78 0.65 -0.30	17.79 0.65 -0.63	18.46 0.80 -3.64	18.58 1.03 -0.74	23.82 1.15 0.86	19.17 0.98 -0.02	19.55 1.13 0.00	16.56 0.77 -0.01	14.87 0.65 -0.01	15.99 0.70 -0.01	13.64 0.54 -0.02	16.63 0.71 0.00	7.26 0.18 -2.43	16.52 0.55 -0.40	11.75 0.31 -3.74	18.69 0.79 -3.98	19.78 0.85 -7.30	6.34 0.23 -3.62	21.38 1.71 0.00	19.44 1.80 0.00
COLONIE_LFGE___ 323577	22.61 0.23 -15.31	20.88 0.21 -13.70	16.63 0.33 -5.71	16.34 0.39 -3.57	17.59 0.47 -2.29	21.86 0.50 -4.86	47.25 0.42 -32.80	43.39 0.49 -26.10	25.72 0.59 -1.61	19.76 0.45 -1.14	18.85 0.43 0.00	16.34 0.39 -0.17	14.98 0.35 -0.42	16.09 0.38 -0.43	13.95 0.34 -0.54	16.33 0.41 0.00	23.46 0.13 -18.69	19.09 0.44 -3.10	36.63 0.23 -28.70	45.11 0.42 -30.76	68.08 0.36 -56.09	30.37 0.08 -27.81	20.25 0.57 0.00	18.08 0.44 0.00
COOPERNY_115KV_TB1 80082	14.34 0.22 -7.04	13.31 0.21 -6.13	13.55 0.31 -2.64	14.37 0.35 -1.65	16.34 0.44 -1.06	19.24 0.50 -2.23	29.39 0.48 -14.89	30.23 0.61 -12.81	25.17 0.87 -0.77	19.42 0.69 -0.56	19.11 0.70 0.00	16.50 0.63 -0.08	14.98 0.57 -0.20	16.08 0.59 -0.21	13.83 0.49 -0.26	16.52 0.60 0.00	13.46 0.18 -8.64	17.60 0.60 -1.43	21.27 0.30 -13.26	28.68 0.53 -14.22	37.98 0.43 -25.92	15.43 0.09 -12.85	20.36 0.69 0.00	18.20 0.56 0.00
COPENHAGEN_WT_PWR 323753	7.55 -0.24 -0.72	7.35 -0.25 -0.64	10.52 -0.34 -0.27	12.22 -0.32 -0.17	14.59 -0.36 -0.11	16.39 -0.34 -0.23	15.24 -0.21 -1.43	16.46 -0.35 0.00	22.33 -0.62 0.57	17.50 -0.67 0.01	17.61 -0.80 0.00	14.97 -0.82 0.00	13.46 -0.76 0.00	14.44 -0.83 0.00	12.33 -0.75 0.00	15.00 -0.92 0.00	5.21 -0.30 -0.87	14.78 -0.92 -0.14	8.68 -0.36 -1.33	15.04 -0.32 -1.42	14.01 -0.22 -2.60	3.69 -0.09 -1.29	18.79 -0.88 0.00	16.71 -0.93 0.00
CORNELL___ 23752	9.61 0.06 -2.47	9.39 0.06 -2.37	11.60 0.09 -0.91	13.05 0.10 -0.57	15.36 0.15 -0.37	17.51 0.21 -0.79	20.46 0.26 -6.19	18.02 0.14 -1.07	22.74 -0.01 0.77	18.12 -0.08 -0.04	18.34 -0.07 0.00	15.66 -0.13 -0.01	14.09 -0.14 -0.02	15.14 -0.15 -0.02	13.06 -0.04 -0.03	15.95 0.03 0.00	7.68 0.04 -3.00	16.23 0.17 -0.50	12.44 0.13 -4.60	19.26 0.30 -5.02	20.88 0.25 -9.00	7.01 0.06 -4.46	20.08 0.40 0.00	18.01 0.37 0.00
CORONA_AV_69_KV_TB1 355595	19.64 0.54 -12.02	19.44 0.53 -11.95	15.85 0.76 -4.49	16.03 0.84 -2.81	17.72 1.08 -1.80	22.28 1.22 -4.55	40.95 1.09 -25.84	38.92 1.27 -20.85	28.64 1.95 -3.17	20.57 1.48 -0.91	22.87 1.58 -2.88	29.93 1.47 -12.67	15.83 1.28 -0.33	16.95 1.34 -0.35	14.63 1.13 -0.43	22.68 1.50 -5.26	60.76 0.43 -55.69	19.35 1.36 -2.43	30.94 0.68 -22.56	61.73 1.20 -46.60	56.61 0.90 -44.08	34.01 0.20 -31.32	21.18 1.50 0.00	18.89 1.24 0.00
CORTLAND_115KV_TB3 80093	9.13 0.01 -2.04	8.92 0.01 -1.95	11.36 0.01 -0.76	12.86 0.01 -0.47	15.18 0.04 -0.30	17.22 0.06 -0.65	18.81 0.13 -4.67	17.58 0.01 -0.77	22.61 -0.16 0.75	18.03 -0.16 -0.02	18.28 -0.13 0.00	15.63 -0.16 -0.01	14.07 -0.16 -0.01	15.11 -0.18 -0.01	13.02 -0.07 -0.02	15.91 -0.01 0.00	7.13 0.01 -2.47	16.04 0.07 -0.41	11.56 0.07 -3.80	18.22 0.18 -4.11	19.20 0.15 -7.41	6.20 0.04 -3.68	19.90 0.23 0.00	17.86 0.21 0.00
COXSACKIE___GT 23611	21.43 0.33 -14.03	19.83 0.31 -12.56	16.34 0.51 -5.23	16.24 0.59 -3.27	17.64 0.71 -2.10	21.77 0.81 -4.45	44.79 0.70 -30.07	41.63 0.77 -24.05	25.81 0.80 -1.48	19.67 0.45 -1.05	18.79 0.38 0.00	16.29 0.35 -0.15	14.91 0.32 -0.38	16.02 0.34 -0.40	13.88 0.31 -0.49	16.28 0.36 0.00	21.90 0.13 -17.12	18.90 0.50 -2.84	34.30 0.30 -26.30	42.79 0.67 -28.18	63.65 0.63 -51.39	28.10 0.14 -25.47	20.71 1.04 0.00	18.47 0.83 0.00
CPV_VALLEY___CC1 323721	18.51 0.35 -11.08	17.22 0.33 -9.93	15.21 0.48 -4.14	15.49 0.53 -2.59	17.18 0.68 -1.66	20.81 0.78 -3.52	38.53 0.72 -23.79	37.02 0.90 -19.31	26.01 1.30 -1.18	20.05 1.04 -0.84	19.49 1.07 0.00	16.90 0.99 -0.12	15.40 0.88 -0.31	16.52 0.93 -0.32	14.27 0.80 -0.40	16.92 1.01 0.00	18.47 0.29 -13.53	18.77 0.97 -2.24	28.96 0.48 -20.78	37.03 0.82 -22.27	52.90 0.65 -40.61	22.76 0.14 -20.13	20.71 1.03 0.00	18.47 0.83 0.00

CPV_VALLEY___CC2 323722	18.51 0.35 -11.08	17.22 0.33 -9.93	15.21 0.48 -4.14	15.49 0.53 -2.59	17.18 0.68 -1.66	20.81 0.78 -3.52	38.53 0.72 -23.79	37.02 0.90 -19.31	26.01 1.30 -1.18	20.05 1.04 -0.84	19.49 1.07 0.00	16.90 0.99 -0.12	15.40 0.88 -0.31	16.52 0.93 -0.32	14.27 0.80 -0.40	16.92 1.01 0.00	18.47 0.29 -13.53	18.77 0.97 -2.24	28.96 0.48 -20.78	37.03 0.82 -22.27	52.90 0.65 -40.61	22.76 0.14 -20.13	20.71 1.03 0.00	18.47 0.83 0.00
CRESCENT___HYD 24018	22.61 0.23 -15.31	20.88 0.21 -13.70	16.63 0.33 -5.71	16.34 0.39 -3.57	17.59 0.47 -2.29	21.86 0.50 -4.86	47.25 0.42 -32.80	43.39 0.49 -26.10	25.72 0.59 -1.61	19.76 0.45 -1.14	18.85 0.43 0.00	16.34 0.39 -0.17	14.98 0.35 -0.42	16.09 0.38 -0.43	13.95 0.34 -0.54	16.33 0.41 0.00	23.46 0.13 -18.69	19.09 0.44 -3.10	36.63 0.23 -28.70	45.11 0.42 -30.76	68.08 0.36 -56.09	30.37 0.08 -27.81	20.25 0.57 0.00	18.08 0.44 0.00
CRICKET___VALLEY_CC1 323756	20.08 0.27 -12.73	18.62 0.25 -11.40	15.71 0.37 -4.75	15.76 0.41 -2.97	17.27 0.53 -1.90	21.18 0.63 -4.04	41.88 0.56 -27.31	39.47 0.69 -21.98	25.85 0.98 -1.35	19.93 0.80 -0.96	19.25 0.84 0.00	16.71 0.78 -0.14	15.26 0.70 -0.35	16.38 0.74 -0.36	14.18 0.66 -0.45	16.73 0.81 0.00	20.42 0.23 -15.54	18.90 0.76 -2.58	31.94 0.37 -23.87	40.15 0.64 -25.58	58.80 0.52 -46.64	25.72 0.11 -23.12	20.48 0.81 0.00	18.24 0.60 0.00
CRICKET___VALLEY_CC2 323757	20.08 0.27 -12.73	18.62 0.25 -11.40	15.71 0.37 -4.75	15.76 0.41 -2.97	17.27 0.53 -1.90	21.18 0.63 -4.04	41.88 0.56 -27.31	39.47 0.69 -21.98	25.85 0.98 -1.35	19.93 0.80 -0.96	19.25 0.84 0.00	16.71 0.78 -0.14	15.26 0.70 -0.35	16.38 0.74 -0.36	14.18 0.66 -0.45	16.73 0.81 0.00	20.42 0.23 -15.54	18.90 0.76 -2.58	31.94 0.37 -23.87	40.15 0.64 -25.58	58.80 0.52 -46.64	25.72 0.11 -23.12	20.48 0.81 0.00	18.24 0.60 0.00
CRICKET___VALLEY_CC3 323758	20.08 0.27 -12.73	18.62 0.25 -11.40	15.71 0.37 -4.75	15.76 0.41 -2.97	17.27 0.53 -1.90	21.18 0.63 -4.04	41.88 0.56 -27.31	39.47 0.69 -21.98	25.85 0.98 -1.35	19.93 0.80 -0.96	19.25 0.84 0.00	16.71 0.78 -0.14	15.26 0.70 -0.35	16.38 0.74 -0.36	14.18 0.66 -0.45	16.73 0.81 0.00	20.42 0.23 -15.54	18.90 0.76 -2.58	31.94 0.37 -23.87	40.15 0.64 -25.58	58.80 0.52 -46.64	25.72 0.11 -23.12	20.48 0.81 0.00	18.24 0.60 0.00
CRUCIBLE_METL_DRP 24180	8.22 -0.12 -1.26	7.98 -0.13 -1.15	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.65 -0.27 -0.40	16.77 -0.16 -2.91	17.01 -0.27 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.24 -0.09 -4.69	4.79 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
DAHOWA___HYDRO 323763	22.99 0.29 -15.62	21.21 0.26 -13.99	16.82 0.39 -5.83	16.50 0.48 -3.65	17.76 0.59 -2.34	22.15 0.69 -4.96	48.10 0.60 -33.48	44.09 0.68 -26.61	25.94 0.78 -1.64	19.92 0.59 -1.16	18.96 0.55 0.00	16.39 0.44 -0.17	15.02 0.38 -0.42	16.14 0.42 -0.44	13.99 0.37 -0.55	16.37 0.46 0.00	23.88 0.16 -19.08	19.31 0.59 -3.16	37.33 0.33 -29.30	45.97 0.64 -31.40	69.43 0.55 -57.25	30.98 0.11 -28.38	20.51 0.83 0.00	18.24 0.59 0.00
DANC___LFGE 323619	7.68 -0.24 -0.84	7.47 -0.25 -0.75	10.55 -0.35 -0.31	12.21 -0.36 -0.19	14.55 -0.41 -0.12	16.35 -0.43 -0.27	15.41 -0.29 -1.68	16.36 -0.45 0.00	22.07 -0.76 0.69	17.46 -0.71 0.01	17.64 -0.77 0.00	15.04 -0.74 0.00	13.53 -0.69 0.00	14.53 -0.75 0.00	12.42 -0.66 0.00	15.12 -0.80 0.00	5.42 -0.25 -1.02	14.95 -0.79 -0.17	8.97 -0.31 -1.58	15.28 -0.34 -1.69	14.47 -0.24 -3.08	3.94 -0.08 -1.52	18.95 -0.73 0.00	16.91 -0.73 0.00
DANSKAMMER___1 23586	19.45 0.42 -11.96	18.07 0.40 -10.70	15.64 0.58 -4.46	15.82 0.65 -2.79	17.46 0.83 -1.79	21.26 0.96 -3.80	40.55 0.88 -25.65	38.61 1.08 -20.72	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.25 0.00	17.05 1.13 -0.13	15.56 1.02 -0.33	16.70 1.09 -0.34	14.43 0.94 -0.42	17.09 1.17 0.00	19.58 0.34 -14.60	19.14 1.16 -2.42	30.69 0.57 -22.41	38.95 1.00 -24.02	56.24 0.81 -43.80	24.37 0.17 -21.72	20.95 1.27 0.00	18.67 1.02 0.00
DANSKAMMER___2 23589	19.45 0.42 -11.96	18.07 0.40 -10.70	15.64 0.58 -4.46	15.82 0.65 -2.79	17.46 0.83 -1.79	21.26 0.96 -3.80	40.55 0.88 -25.65	38.61 1.08 -20.72	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.25 0.00	17.05 1.13 -0.13	15.56 1.02 -0.33	16.70 1.09 -0.34	14.43 0.94 -0.42	17.09 1.17 0.00	19.58 0.34 -14.60	19.14 1.16 -2.42	30.69 0.57 -22.41	38.95 1.00 -24.02	56.24 0.81 -43.80	24.37 0.17 -21.72	20.95 1.27 0.00	18.67 1.02 0.00
DANSKAMMER___3 23590	19.45 0.42 -11.96	18.07 0.40 -10.70	15.64 0.58 -4.46	15.82 0.65 -2.79	17.46 0.83 -1.79	21.26 0.96 -3.80	40.55 0.88 -25.65	38.61 1.08 -20.72	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.25 0.00	17.05 1.13 -0.13	15.56 1.02 -0.33	16.70 1.09 -0.34	14.43 0.94 -0.42	17.09 1.17 0.00	19.58 0.34 -14.60	19.14 1.16 -2.42	30.69 0.57 -22.41	38.95 1.00 -24.02	56.24 0.81 -43.80	24.37 0.17 -21.72	20.95 1.27 0.00	18.67 1.02 0.00
DANSKAMMER___4 23591	19.45 0.42 -11.96	18.07 0.40 -10.70	15.64 0.58 -4.46	15.82 0.65 -2.79	17.46 0.83 -1.79	21.26 0.96 -3.80	40.55 0.88 -25.65	38.61 1.08 -20.72	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.25 0.00	17.05 1.13 -0.13	15.56 1.02 -0.33	16.70 1.09 -0.34	14.43 0.94 -0.42	17.09 1.17 0.00	19.58 0.34 -14.60	19.14 1.16 -2.42	30.69 0.57 -22.41	38.95 1.00 -24.02	56.24 0.81 -43.80	24.37 0.17 -21.72	20.95 1.27 0.00	18.67 1.02 0.00
DANSKAMMER___DIESEL 23592	19.44 0.42 -11.94	17.96 0.40 -10.60	15.64 0.58 -4.46	15.82 0.65 -2.79	17.46 0.83 -1.79	21.25 0.96 -3.79	40.57 0.88 -25.68	38.61 1.08 -20.72	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.25 0.00	17.05 1.13 -0.13	15.56 1.01 -0.33	16.70 1.08 -0.34	14.44 0.94 -0.42	17.09 1.17 0.00	19.58 0.34 -14.60	19.14 1.16 -2.42	30.69 0.57 -22.42	38.96 1.00 -24.03	56.24 0.81 -43.80	24.37 0.17 -21.72	20.95 1.27 0.00	18.67 1.02 0.00
DARBY___SOLAR 323810	22.95 0.29 -15.58	21.19 0.26 -13.96	16.81 0.40 -5.81	16.49 0.49 -3.64	17.76 0.59 -2.33	22.14 0.68 -4.95	48.20 0.59 -33.58	44.02 0.68 -26.53	25.97 0.81 -1.64	19.94 0.61 -1.16	19.00 0.58 0.00	16.44 0.48 -0.17	15.06 0.42 -0.42	16.17 0.46 -0.44	14.02 0.40 -0.55	16.42 0.50 0.00	23.83 0.17 -19.02	19.33 0.61 -3.15	37.25 0.33 -29.21	45.87 0.63 -31.32	69.25 0.54 -57.08	30.90 0.11 -28.30	20.50 0.82 0.00	18.24 0.59 0.00
DASHVILLE___HYD 23610	19.39 0.34 -11.97	17.86 0.33 -10.57	15.56 0.49 -4.48	15.69 0.52 -2.80	17.37 0.74 -1.79	21.12 0.82 -3.79	40.76 0.72 -26.02	38.51 0.92 -20.78	26.23 1.43 -1.28	20.22 1.14 -0.91	19.64 1.22 0.00	17.00 1.09 -0.13	15.54 1.00 -0.33	16.66 1.04 -0.35	14.38 0.88 -0.43	17.07 1.15 0.00	19.61 0.32 -14.65	19.07 1.07 -2.43	30.69 0.50 -22.49	38.90 0.85 -24.11	56.31 0.73 -43.95	24.44 0.16 -21.79	20.90 1.23 0.00	18.64 1.00 0.00

DEERFIELD_69_KV_DEERFIELD LD 355887	19.84 0.74 -12.02	19.78 0.73 -12.08	16.15 1.07 -4.49	16.39 1.21 -2.81	18.17 1.54 -1.80	22.96 1.78 -4.67	41.48 1.62 -25.84	39.53 1.88 -20.85	29.54 2.84 -3.17	21.02 1.94 -0.91	23.20 1.90 -2.88	30.24 1.78 -12.67	16.04 1.49 -0.33	17.12 1.50 -0.35	14.77 1.27 -0.43	22.97 1.79 -5.26	60.88 0.55 -55.69	19.75 1.76 -2.43	31.16 0.90 -22.56	62.22 1.69 -46.60	56.97 1.26 -44.08	34.10 0.29 -31.32	21.80 2.12 0.00	19.34 1.69 0.00
DELAWARE___LFGE 323621	11.63 0.18 -4.37	12.34 0.19 -5.18	12.42 0.28 -1.55	13.66 0.32 -0.97	15.85 0.39 -0.62	18.31 0.45 -1.35	25.12 0.45 -10.66	24.25 0.59 -6.86	24.48 0.80 -0.16	19.08 0.61 -0.30	19.02 0.60 0.00	16.35 0.52 -0.04	14.79 0.47 -0.11	15.88 0.49 -0.11	13.61 0.39 -0.14	16.38 0.47 0.00	9.86 0.14 -5.07	16.89 0.48 -0.84	15.74 0.25 -7.79	22.76 0.46 -8.37	27.23 0.38 -15.22	10.12 0.08 -7.54	20.28 0.61 0.00	18.17 0.53 0.00
DERFIELD_115KV_TB7 355931	7.21 -0.02 -0.16	7.01 -0.02 -0.06	10.62 -0.03 -0.06	12.37 -0.04 -0.04	14.82 -0.04 -0.03	16.51 -0.05 -0.05	14.27 -0.02 -0.27	16.87 -0.02 -0.09	23.38 -0.05 0.09	18.14 -0.04 0.00	18.38 -0.04 0.00	15.75 -0.03 0.00	14.19 -0.03 0.00	15.23 -0.05 0.00	13.05 -0.03 0.00	15.88 -0.04 0.00	4.82 -0.01 -0.19	15.57 -0.03 -0.03	7.99 -0.01 -0.29	14.23 -0.01 -0.31	12.19 -0.01 -0.57	2.77 0.00 -0.28	19.65 -0.02 0.00	17.61 -0.03 0.00
DOGLEVILLE___HYD 23807	6.96 -0.12 0.00	6.85 -0.11 0.00	10.42 -0.18 0.00	12.18 -0.19 0.00	14.65 -0.19 0.00	16.26 -0.25 0.00	13.78 -0.23 0.00	16.49 -0.31 0.00	22.76 -0.66 0.10	17.62 -0.55 0.00	17.86 -0.56 0.00	15.32 -0.46 0.00	13.76 -0.46 0.00	14.78 -0.49 0.00	12.64 -0.43 0.00	15.36 -0.56 0.00	4.48 -0.16 0.00	15.01 -0.55 0.00	7.48 -0.22 0.00	13.62 -0.31 0.00	11.40 -0.24 0.00	2.45 -0.04 0.00	19.43 -0.24 0.00	17.45 -0.19 0.00
DUNKIRK___115KV_TB_200 55889	8.83 -0.18 -1.93	8.52 -0.23 -1.79	11.01 -0.30 -0.72	12.61 -0.21 -0.45	14.87 -0.25 -0.28	16.69 -0.42 -0.60	16.77 -0.19 -2.94	17.24 -0.28 -0.71	22.03 -0.63 0.86	17.86 -0.33 -0.02	18.19 -0.22 0.00	15.50 -0.28 0.00	13.97 -0.25 -0.01	15.03 -0.25 -0.01	12.85 -0.25 -0.02	15.67 -0.25 0.00	6.88 -0.09 -2.32	15.57 -0.38 -0.39	11.11 -0.17 -3.57	17.52 -0.16 -3.76	18.60 -0.01 -6.98	6.00 0.05 -3.46	19.99 0.31 0.00	18.26 0.62 0.00
DUNKIRK___1 23563	8.83 -0.18 -1.93	8.52 -0.23 -1.79	11.01 -0.30 -0.72	12.61 -0.21 -0.45	14.87 -0.25 -0.28	16.69 -0.42 -0.60	16.77 -0.19 -2.94	17.24 -0.28 -0.71	22.03 -0.63 0.86	17.86 -0.33 -0.02	18.19 -0.22 0.00	15.50 -0.28 0.00	13.97 -0.25 -0.01	15.03 -0.25 -0.01	12.85 -0.25 -0.02	15.67 -0.25 0.00	6.88 -0.09 -2.32	15.57 -0.38 -0.39	11.11 -0.17 -3.57	17.52 -0.16 -3.76	18.60 -0.01 -6.98	6.00 0.05 -3.46	19.99 0.31 0.00	18.26 0.62 0.00
DUNKIRK___2 23564	8.83 -0.18 -1.93	8.52 -0.23 -1.79	11.01 -0.30 -0.72	12.61 -0.21 -0.45	14.87 -0.25 -0.28	16.69 -0.42 -0.60	16.77 -0.19 -2.94	17.24 -0.28 -0.71	22.03 -0.63 0.86	17.86 -0.33 -0.02	18.19 -0.22 0.00	15.50 -0.28 0.00	13.97 -0.25 -0.01	15.03 -0.25 -0.01	12.85 -0.25 -0.02	15.67 -0.25 0.00	6.88 -0.09 -2.32	15.57 -0.38 -0.39	11.11 -0.17 -3.57	17.52 -0.16 -3.76	18.60 -0.01 -6.98	6.00 0.05 -3.46	19.99 0.31 0.00	18.26 0.62 0.00
DUNKIRK___3 23565	8.79 -0.20 -1.92	8.49 -0.25 -1.78	10.96 -0.34 -0.71	12.53 -0.28 -0.44	14.78 -0.34 -0.28	16.59 -0.52 -0.60	16.62 -0.28 -2.88	17.12 -0.39 -0.70	21.88 -0.77 0.87	17.75 -0.44 -0.02	18.08 -0.33 0.00	15.42 -0.37 0.00	13.90 -0.32 -0.01	14.96 -0.32 -0.01	12.79 -0.30 -0.02	15.61 -0.30 0.00	6.85 -0.10 -2.31	15.52 -0.43 -0.38	11.05 -0.20 -3.55	17.42 -0.25 -3.73	18.48 -0.09 -6.94	5.96 0.03 -3.44	19.85 0.17 0.00	18.13 0.49 0.00
DUNKIRK___4 23566	8.79 -0.20 -1.92	8.49 -0.25 -1.78	10.96 -0.34 -0.71	12.53 -0.28 -0.44	14.78 -0.34 -0.28	16.59 -0.52 -0.60	16.62 -0.28 -2.88	17.12 -0.39 -0.70	21.88 -0.77 0.87	17.75 -0.44 -0.02	18.08 -0.33 0.00	15.42 -0.37 0.00	13.90 -0.32 -0.01	14.96 -0.32 -0.01	12.79 -0.30 -0.02	15.61 -0.30 0.00	6.85 -0.10 -2.31	15.52 -0.43 -0.38	11.05 -0.20 -3.55	17.42 -0.25 -3.73	18.48 -0.09 -6.94	5.96 0.03 -3.44	19.85 0.17 0.00	18.13 0.49 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	19.51 0.41 -12.02	18.07 0.39 -10.71	15.64 0.56 -4.49	15.80 0.62 -2.81	17.44 0.80 -1.80	21.23 0.91 -3.81	40.69 0.83 -25.84	38.68 1.03 -20.85	26.32 1.52 -1.28	20.32 1.23 -0.91	19.70 1.29 0.00	17.10 1.18 -0.13	15.60 1.06 -0.33	16.73 1.11 -0.35	14.46 0.96 -0.43	17.13 1.22 0.00	19.68 0.34 -14.69	19.14 1.15 -2.43	30.81 0.55 -22.55	39.06 0.95 -24.18	56.45 0.74 -44.07	24.50 0.16 -21.85	20.87 1.20 0.00	18.60 0.96 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.02 0.39 -11.56	17.55 0.37 -10.22	15.45 0.54 -4.32	15.67 0.59 -2.71	17.34 0.77 -1.73	21.05 0.88 -3.66	39.65 0.81 -24.82	37.93 1.00 -20.11	26.20 1.45 -1.24	20.19 1.14 -0.88	19.59 1.18 0.00	16.98 1.07 -0.13	15.49 0.95 -0.32	16.62 1.02 -0.33	14.36 0.87 -0.41	17.02 1.10 0.00	19.10 0.31 -14.14	18.98 1.08 -2.34	29.94 0.53 -21.71	38.13 0.93 -23.28	54.81 0.75 -42.42	23.68 0.16 -21.03	20.86 1.18 0.00	18.60 0.96 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	19.51 0.42 -12.02	18.09 0.41 -10.71	15.67 0.58 -4.49	15.82 0.64 -2.81	17.47 0.84 -1.80	21.24 0.92 -3.81	40.73 0.87 -25.84	38.73 1.08 -20.85	26.41 1.61 -1.28	20.42 1.34 -0.91	19.78 1.37 0.00	17.18 1.26 -0.14	15.67 1.12 -0.33	16.80 1.18 -0.35	14.51 1.01 -0.43	17.18 1.26 0.00	19.69 0.35 -14.69	19.18 1.18 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.18	56.45 0.74 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.63 0.99 0.00
E179THST_13_KV_LOAD 356214	19.54 0.45 -12.02	18.12 0.44 -10.71	15.71 0.63 -4.49	15.86 0.68 -2.81	17.52 0.89 -1.80	21.30 0.98 -3.81	40.78 0.92 -25.84	38.80 1.15 -20.85	26.51 1.71 -1.28	20.50 1.42 -0.91	19.85 1.44 0.00	17.25 1.33 -0.14	15.73 1.18 -0.33	16.86 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.26 1.26 -2.43	30.86 0.60 -22.55	39.14 1.03 -24.18	56.50 0.79 -44.07	24.51 0.17 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
EAST HAMPTON___GT 23717	19.92 0.81 -12.03	19.80 0.80 -12.04	16.25 1.17 -4.49	16.51 1.33 -2.81	18.32 1.68 -1.80	23.14 1.96 -4.68	41.60 1.77 -25.81	39.72 2.06 -20.85	29.80 3.11 -3.17	21.21 2.13 -0.91	23.38 2.09 -2.88	30.40 1.94 -12.67	16.17 1.62 -0.33	17.25 1.64 -0.35	14.89 1.38 -0.43	23.12 1.94 -5.26	60.92 0.59 -55.69	19.91 1.92 -2.43	31.25 0.99 -22.56	62.37 1.85 -46.59	57.11 1.40 -44.08	34.13 0.33 -31.32	22.01 2.33 0.00	19.51 1.87 0.00
EAST RIVER___6 23660	19.55 0.45 -12.03	18.16 0.42 -10.77	15.70 0.62 -4.49	15.85 0.67 -2.81	17.51 0.88 -1.80	21.29 0.96 -3.82	40.73 0.91 -25.81	38.77 1.12 -20.84	26.49 1.69 -1.28	20.48 1.39 -0.91	19.86 1.45 0.00	17.24 1.32 -0.13	15.73 1.19 -0.33	16.86 1.24 -0.35	14.57 1.06 -0.43	17.27 1.35 0.00	19.71 0.38 -14.69	19.26 1.26 -2.43	30.86 0.61 -22.55	39.14 1.04 -24.17	56.49 0.79 -44.07	24.51 0.17 -21.85	20.96 1.28 0.00	18.68 1.04 0.00

EAST RIVER___7 23524	19.55 0.45 -12.03	18.16 0.42 -10.77	15.70 0.62 -4.49	15.85 0.67 -2.81	17.51 0.88 -1.80	21.29 0.96 -3.82	40.73 0.91 -25.81	38.77 1.12 -20.84	26.49 1.69 -1.28	20.48 1.39 -0.91	19.86 1.45 0.00	17.24 1.32 -0.13	15.73 1.19 -0.33	16.86 1.24 -0.35	14.57 1.06 -0.43	17.27 1.35 0.00	19.71 0.38 -14.69	19.26 1.26 -2.43	30.86 0.61 -22.55	39.14 1.04 -24.17	56.49 0.79 -44.07	24.51 0.17 -21.85	20.96 1.28 0.00	18.68 1.04 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	19.46 0.40 -11.99	18.03 0.37 -10.69	15.62 0.54 -4.48	15.78 0.60 -2.80	17.41 0.78 -1.79	21.20 0.88 -3.80	40.62 0.81 -25.79	38.61 1.00 -20.80	26.28 1.48 -1.28	20.28 1.20 -0.91	19.66 1.25 0.00	17.07 1.15 -0.13	15.56 1.02 -0.33	16.69 1.08 -0.35	14.43 0.93 -0.43	17.09 1.17 0.00	19.63 0.33 -14.66	19.10 1.11 -2.43	30.75 0.54 -22.51	38.98 0.92 -24.13	56.34 0.73 -43.98	24.45 0.15 -21.80	20.84 1.16 0.00	18.57 0.93 0.00
EAST_HAMPTON___DIESEL 23722	19.92 0.81 -12.03	19.81 0.80 -12.04	16.26 1.17 -4.49	16.52 1.33 -2.81	18.32 1.69 -1.80	23.15 1.96 -4.68	41.61 1.78 -25.81	39.72 2.07 -20.85	29.81 3.12 -3.17	21.22 2.13 -0.91	23.39 2.10 -2.88	30.40 1.94 -12.67	16.17 1.62 -0.33	17.26 1.64 -0.35	14.89 1.39 -0.43	23.12 1.95 -5.26	60.92 0.59 -55.69	19.92 1.92 -2.43	31.25 0.99 -22.56	62.38 1.85 -46.59	57.11 1.40 -44.08	34.13 0.32 -31.32	22.01 2.34 0.00	19.51 1.87 0.00
EAST_PULASKI___ESR 323781	7.81 -0.23 -0.96	7.58 -0.24 -0.86	10.60 -0.35 -0.36	12.21 -0.39 -0.22	14.53 -0.45 -0.14	16.32 -0.50 -0.31	15.59 -0.36 -1.93	16.64 -0.53 -0.36	21.87 -0.86 0.79	17.46 -0.71 -0.01	17.69 -0.72 0.00	15.13 -0.66 0.00	13.62 -0.60 -0.01	14.62 -0.65 -0.01	12.54 -0.55 -0.01	15.26 -0.66 0.00	5.63 -0.20 -1.18	15.13 -0.63 -0.20	9.26 -0.26 -1.82	15.53 -0.36 -1.96	14.93 -0.26 -3.55	4.19 -0.06 -1.76	19.11 -0.57 0.00	17.12 -0.52 0.00
EAST_RIVER___1 323558	19.53 0.43 -12.03	18.14 0.41 -10.77	15.67 0.59 -4.49	15.82 0.64 -2.81	17.48 0.85 -1.80	21.27 0.94 -3.82	40.70 0.87 -25.81	38.73 1.08 -20.84	26.43 1.63 -1.28	20.42 1.34 -0.91	19.81 1.40 0.00	17.19 1.27 -0.13	15.70 1.15 -0.33	16.82 1.20 -0.35	14.53 1.03 -0.43	17.23 1.31 0.00	19.70 0.37 -14.69	19.22 1.22 -2.43	30.84 0.58 -22.55	39.09 0.99 -24.17	56.47 0.77 -44.07	24.50 0.17 -21.85	20.92 1.25 0.00	18.64 1.00 0.00
EAST_RIVER___2 323559	19.55 0.45 -12.03	18.16 0.42 -10.77	15.70 0.62 -4.49	15.85 0.67 -2.81	17.51 0.88 -1.80	21.29 0.96 -3.82	40.73 0.91 -25.81	38.77 1.12 -20.84	26.49 1.69 -1.28	20.48 1.39 -0.91	19.86 1.45 0.00	17.24 1.32 -0.13	15.73 1.19 -0.33	16.86 1.24 -0.35	14.57 1.06 -0.43	17.27 1.35 0.00	19.71 0.38 -14.69	19.26 1.26 -2.43	30.86 0.61 -22.55	39.14 1.04 -24.17	56.49 0.79 -44.07	24.51 0.17 -21.85	20.96 1.28 0.00	18.68 1.04 0.00
EAST___DELAWARE_HYD 23607	17.28 0.43 -9.78	16.17 0.44 -8.76	14.90 0.66 -3.65	15.44 0.78 -2.28	17.25 0.95 -1.46	20.64 1.03 -3.11	35.92 0.90 -21.00	35.12 1.12 -17.19	26.15 1.58 -1.05	20.18 1.26 -0.75	19.71 1.30 0.00	17.04 1.14 -0.11	15.51 1.02 -0.27	16.59 1.03 -0.28	14.03 0.60 -0.35	16.67 0.75 0.00	16.80 0.21 -11.94	18.30 0.76 -1.98	26.44 0.40 -18.33	34.35 0.76 -19.65	48.30 0.84 -35.83	20.43 0.18 -17.76	21.11 1.43 0.00	18.96 1.32 0.00
EIGHT_POINT___WT_PWR 323820	9.29 -0.08 -2.30	8.93 -0.09 -2.06	11.38 -0.08 -0.86	12.92 0.02 -0.53	15.23 0.05 -0.34	17.25 0.03 -0.72	20.35 0.19 -6.14	17.72 0.06 -0.86	22.49 -0.19 0.83	18.14 -0.05 -0.03	18.46 0.04 0.00	15.66 -0.13 -0.01	14.08 -0.15 -0.01	15.10 -0.18 -0.01	12.98 -0.12 -0.03	15.87 -0.05 0.00	7.43 0.01 -2.77	15.94 -0.08 -0.46	11.95 -0.02 -4.26	18.67 0.05 -4.68	20.09 0.13 -8.33	6.69 0.07 -4.13	20.22 0.55 0.00	18.32 0.68 0.00
ELBRIDGE_115KV_TB2 80188	8.26 -0.14 -1.33	8.02 -0.16 -1.21	10.86 -0.22 -0.49	12.40 -0.28 -0.31	14.74 -0.30 -0.20	16.63 -0.30 -0.42	17.02 -0.19 -3.20	17.00 -0.30 -0.50	22.09 -0.56 0.87	17.73 -0.45 -0.01	18.01 -0.41 0.00	15.42 -0.37 0.00	13.86 -0.36 -0.01	14.89 -0.39 -0.01	12.80 -0.29 -0.01	15.60 -0.31 0.00	6.21 -0.08 -1.64	15.61 -0.22 -0.27	10.13 -0.09 -2.52	16.54 -0.15 -2.76	16.44 -0.11 -4.92	4.91 -0.02 -2.44	19.47 -0.20 0.00	17.48 -0.16 0.00
ELEC_TRO_TEK 24086	19.61 0.51 -12.02	19.49 0.50 -12.02	15.80 0.72 -4.49	15.97 0.79 -2.81	17.66 1.02 -1.80	22.23 1.17 -4.55	40.90 1.04 -25.84	38.88 1.22 -20.85	28.58 1.89 -3.17	20.52 1.43 -0.91	22.80 1.51 -2.88	29.87 1.41 -12.67	15.78 1.23 -0.33	16.90 1.28 -0.35	14.58 1.08 -0.43	22.62 1.45 -5.26	60.74 0.41 -55.69	19.30 1.30 -2.43	30.91 0.65 -22.56	61.68 1.14 -46.60	56.56 0.85 -44.08	34.00 0.19 -31.32	21.12 1.44 0.00	18.80 1.15 0.00
ELLENBURG_WT_PWR 323604	7.28 0.21 0.00	7.13 0.17 0.00	10.84 0.24 0.00	12.67 0.30 0.00	15.23 0.39 0.00	17.04 0.54 0.00	14.46 0.44 0.00	17.27 0.47 0.00	24.26 0.80 0.05	18.65 0.48 0.00	18.83 0.42 0.00	16.09 0.31 0.00	14.53 0.31 0.00	15.61 0.33 0.00	13.33 0.26 0.00	16.19 0.27 0.00	4.74 0.10 0.00	15.75 0.18 0.00	7.84 0.13 0.00	14.25 0.32 0.00	11.87 0.24 0.00	2.51 0.02 0.00	19.88 0.20 0.00	17.77 0.13 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	8.57 -0.35 -1.85	8.27 -0.40 -1.71	10.72 -0.57 -0.69	12.19 -0.61 -0.43	14.36 -0.75 -0.27	16.13 -0.97 -0.59	16.01 -0.70 -2.69	16.58 -0.91 -0.68	21.17 -1.48 0.87	17.21 -0.98 -0.02	17.55 -0.86 0.00	15.00 -0.79 0.00	13.56 -0.67 -0.01	14.61 -0.68 -0.01	12.52 -0.57 -0.02	15.30 -0.62 0.00	6.71 -0.19 -2.26	15.22 -0.72 -0.37	10.80 -0.37 -3.47	16.91 -0.66 -3.63	17.94 -0.47 -6.78	5.80 -0.05 -3.36	19.23 -0.44 0.00	17.58 -0.06 0.00
EMPIRE_CC_1 323656	21.77 0.21 -14.48	20.14 0.20 -12.97	16.31 0.31 -5.40	16.13 0.37 -3.38	17.44 0.44 -2.17	21.51 0.40 -4.60	45.38 0.31 -31.05	41.94 0.34 -24.79	25.46 0.42 -1.53	19.58 0.33 -1.08	18.77 0.36 0.00	16.29 0.35 -0.16	14.92 0.32 -0.40	16.03 0.35 -0.41	13.89 0.31 -0.51	16.28 0.36 0.00	22.43 0.11 -17.68	18.84 0.35 -2.93	35.02 0.16 -27.16	43.33 0.29 -29.10	64.95 0.25 -53.07	28.85 0.06 -26.31	20.10 0.42 0.00	18.00 0.35 0.00
EMPIRE_CC_2 323658	21.77 0.21 -14.48	20.14 0.20 -12.97	16.31 0.31 -5.40	16.13 0.37 -3.38	17.44 0.44 -2.17	21.51 0.40 -4.60	45.38 0.31 -31.05	41.94 0.34 -24.79	25.46 0.42 -1.53	19.58 0.33 -1.08	18.77 0.36 0.00	16.29 0.35 -0.16	14.92 0.32 -0.40	16.03 0.35 -0.41	13.89 0.31 -0.51	16.28 0.36 0.00	22.43 0.11 -17.68	18.84 0.35 -2.93	35.02 0.16 -27.16	43.33 0.29 -29.10	64.95 0.25 -53.07	28.85 0.06 -26.31	20.10 0.42 0.00	18.00 0.35 0.00
ENORWICH_115KV_TB1 80156	10.74 0.38 -3.28	10.74 0.38 -3.39	12.38 0.59 -1.19	13.81 0.69 -0.75	16.20 0.89 -0.48	18.60 1.06 -1.03	22.80 1.00 -7.78	20.65 1.05 -2.79	24.08 1.06 0.50	18.87 0.59 -0.11	18.97 0.56 0.00	16.18 0.38 -0.02	14.59 0.33 -0.04	15.65 0.33 -0.05	13.50 0.37 -0.06	16.32 0.40 0.00	8.71 0.15 -3.91	16.89 0.67 -0.65	14.13 0.42 -6.01	21.38 0.95 -6.50	24.18 0.81 -11.74	8.48 0.17 -5.82	21.01 1.34 0.00	18.86 1.21 0.00



FARRAGUT___LBMP 323566	19.52 0.43 -12.02	18.08 0.40 -10.71	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.92 -3.81	40.71 0.86 -25.84	38.70 1.05 -20.84	26.39 1.59 -1.28	20.40 1.31 -0.91	19.78 1.37 0.00	17.17 1.26 -0.13	15.67 1.13 -0.33	16.80 1.18 -0.35	14.51 1.01 -0.43	17.21 1.29 0.00	19.69 0.36 -14.69	19.20 1.20 -2.43	30.83 0.57 -22.55	39.08 0.97 -24.18	56.45 0.75 -44.07	24.50 0.16 -21.85	20.90 1.23 0.00	18.63 0.99 0.00
FENNER___WINDPWR 24204	8.49 0.03 -1.38	8.24 0.03 -1.24	11.16 0.05 -0.52	12.76 0.06 -0.32	15.14 0.09 -0.21	17.07 0.12 -0.44	17.33 0.16 -3.15	17.49 0.17 -0.51	23.05 0.10 0.57	18.22 0.03 -0.02	18.44 0.02 0.00	15.77 -0.02 0.00	14.18 -0.04 -0.01	15.23 -0.05 -0.01	13.08 -0.02 -0.02	15.93 0.01 0.00	6.29 0.01 -1.63	15.91 0.08 -0.27	10.29 0.08 -2.51	16.88 0.24 -2.71	16.74 0.21 -4.90	4.96 0.04 -2.43	19.96 0.28 0.00	17.90 0.26 0.00
FIBERTEK___ENERGY 23856	8.22 -0.12 -1.26	7.98 -0.13 -1.15	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.65 -0.27 -0.40	16.77 -0.16 -2.91	17.01 -0.27 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.24 -0.09 -4.69	4.79 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
FITZPATRICK____ 23598	7.66 -0.30 -0.88	7.45 -0.30 -0.78	10.47 -0.45 -0.33	12.06 -0.51 -0.20	14.36 -0.61 -0.13	16.11 -0.68 -0.28	15.25 -0.53 -1.76	16.10 -0.70 0.00	21.52 -1.06 0.94	17.35 -0.81 0.01	17.61 -0.80 0.00	15.09 -0.70 0.00	13.59 -0.63 0.00	14.59 -0.68 0.00	12.52 -0.55 0.00	15.26 -0.66 0.00	5.54 -0.18 -1.08	15.13 -0.61 -0.18	9.08 -0.29 -1.66	15.21 -0.50 -1.78	14.47 -0.41 -3.24	4.01 -0.08 -1.61	18.99 -0.69 0.00	17.06 -0.59 0.00
FLOWRFLD_69_KV_BK1 356044	19.73 0.63 -12.02	19.66 0.61 -12.08	15.97 0.89 -4.49	16.18 0.99 -2.81	17.91 1.28 -1.80	22.67 1.49 -4.67	41.22 1.35 -25.84	39.20 1.55 -20.85	29.10 2.40 -3.17	20.79 1.71 -0.91	22.99 1.70 -2.88	30.06 1.60 -12.67	15.90 1.35 -0.33	16.98 1.36 -0.35	14.66 1.16 -0.43	22.80 1.62 -5.26	60.81 0.48 -55.69	19.53 1.54 -2.43	31.04 0.78 -22.56	61.96 1.43 -46.60	56.73 1.02 -44.08	34.05 0.25 -31.32	21.47 1.80 0.00	19.05 1.41 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	19.49 0.43 -11.99	18.02 0.41 -10.65	15.67 0.60 -4.48	15.84 0.66 -2.80	17.48 0.85 -1.79	21.29 0.97 -3.80	40.70 0.90 -25.79	38.71 1.10 -20.80	26.38 1.58 -1.28	20.32 1.24 -0.91	19.69 1.28 0.00	17.08 1.16 -0.13	15.58 1.04 -0.33	16.72 1.11 -0.35	14.46 0.96 -0.43	17.12 1.20 0.00	19.65 0.35 -14.66	19.18 1.19 -2.43	30.79 0.58 -22.51	39.08 1.02 -24.13	56.43 0.83 -43.98	24.46 0.17 -21.80	20.97 1.30 0.00	18.68 1.04 0.00
FORT ORANGE____ 23900	22.11 0.13 -14.90	20.43 0.13 -13.34	16.37 0.22 -5.56	16.11 0.26 -3.48	17.36 0.29 -2.23	21.53 0.29 -4.73	46.20 0.24 -31.94	42.52 0.25 -25.47	25.37 0.28 -1.57	19.49 0.20 -1.11	18.60 0.19 0.00	16.19 0.24 -0.16	14.83 0.21 -0.41	15.93 0.24 -0.42	13.81 0.21 -0.52	16.14 0.23 0.00	22.92 0.07 -18.20	18.83 0.25 -3.02	35.78 0.12 -27.95	44.13 0.24 -29.96	66.46 0.20 -54.62	29.61 0.04 -27.08	20.01 0.33 0.00	17.90 0.25 0.00
FORT_DRUM_COGEN 23780	7.53 -0.21 -0.66	7.33 -0.22 -0.58	10.55 -0.30 -0.25	12.25 -0.28 -0.16	14.64 -0.30 -0.10	16.44 -0.28 -0.21	15.18 -0.15 -1.32	16.78 -0.28 -0.25	22.45 -0.56 0.51	17.53 -0.64 -0.01	17.62 -0.80 0.00	14.99 -0.80 0.00	13.47 -0.74 0.00	14.46 -0.81 0.00	12.35 -0.73 -0.01	15.03 -0.89 0.00	5.17 -0.28 -0.80	14.82 -0.88 -0.13	8.60 -0.33 -1.23	14.99 -0.27 -1.33	13.88 -0.16 -2.41	3.61 -0.07 -1.19	18.93 -0.75 0.00	16.85 -0.79 0.00
FPL_FAR_ROCK_GT1 24212	19.69 0.59 -12.03	19.45 0.58 -11.90	15.91 0.83 -4.49	16.10 0.92 -2.81	17.81 1.17 -1.80	22.43 1.33 -4.58	41.01 1.18 -25.81	39.04 1.38 -20.85	28.80 2.11 -3.17	20.69 1.61 -0.91	23.00 1.70 -2.88	30.04 1.58 -12.67	15.93 1.38 -0.33	17.06 1.44 -0.35	14.72 1.21 -0.43	22.79 1.62 -5.26	60.79 0.46 -55.69	19.47 1.47 -2.43	31.00 0.73 -22.56	61.83 1.31 -46.59	56.70 0.99 -44.08	34.02 0.22 -31.32	21.32 1.64 0.00	19.01 1.37 0.00
FPL_FAR_ROCK_GT2 23815	19.69 0.59 -12.03	19.45 0.58 -11.90	15.91 0.83 -4.49	16.10 0.92 -2.81	17.81 1.17 -1.80	22.43 1.33 -4.58	41.01 1.18 -25.81	39.04 1.38 -20.85	28.80 2.11 -3.17	20.69 1.61 -0.91	23.00 1.70 -2.88	30.04 1.58 -12.67	15.93 1.38 -0.33	17.06 1.44 -0.35	14.72 1.21 -0.43	22.79 1.62 -5.26	60.79 0.46 -55.69	19.47 1.47 -2.43	31.00 0.73 -22.56	61.83 1.31 -46.59	56.70 0.99 -44.08	34.02 0.22 -31.32	21.32 1.64 0.00	19.01 1.37 0.00
FRANKLIN_FALL_HYD 24054	7.30 0.11 -0.11	7.16 0.10 -0.09	10.78 0.14 -0.04	12.58 0.18 -0.03	15.09 0.23 -0.02	16.90 0.35 -0.04	14.50 0.28 -0.20	17.18 0.33 -0.05	24.01 0.57 0.08	18.51 0.34 0.00	18.66 0.25 0.00	15.94 0.15 0.00	14.37 0.16 0.00	15.45 0.17 0.00	13.19 0.12 0.00	16.03 0.11 0.00	4.82 0.04 -0.14	15.65 0.06 -0.02	7.98 0.06 -0.21	14.34 0.18 -0.23	12.17 0.13 -0.41	2.69 0.00 -0.20	19.71 0.03 0.00	17.63 -0.01 0.00
FREEPORT_EQUS_GT1 23764	19.66 0.55 -12.03	19.46 0.54 -11.96	15.85 0.77 -4.49	16.03 0.85 -2.81	17.73 1.09 -1.80	22.38 1.25 -4.62	40.90 1.07 -25.81	38.96 1.30 -20.85	28.73 2.04 -3.17	20.61 1.53 -0.91	22.88 1.59 -2.88	29.95 1.49 -12.67	15.84 1.30 -0.33	16.96 1.35 -0.35	14.63 1.13 -0.43	22.68 1.51 -5.26	60.76 0.43 -55.69	19.36 1.36 -2.43	30.95 0.68 -22.56	61.74 1.22 -46.59	56.62 0.91 -44.08	34.01 0.21 -31.32	21.24 1.56 0.00	18.90 1.26 0.00
FREEPORT___CT2 23818	19.66 0.55 -12.03	19.46 0.54 -11.96	15.85 0.77 -4.49	16.03 0.85 -2.81	17.73 1.09 -1.80	22.38 1.25 -4.62	40.90 1.07 -25.81	38.96 1.30 -20.85	28.73 2.04 -3.17	20.61 1.53 -0.91	22.88 1.59 -2.88	29.95 1.49 -12.67	15.84 1.30 -0.33	16.96 1.35 -0.35	14.63 1.13 -0.43	22.68 1.51 -5.26	60.76 0.43 -55.69	19.36 1.36 -2.43	30.95 0.68 -22.56	61.74 1.22 -46.59	56.62 0.91 -44.08	34.01 0.21 -31.32	21.24 1.56 0.00	18.90 1.26 0.00
FRESHKLS_33_KV_LOAD 356253	19.55 0.46 -12.02	18.12 0.44 -10.71	15.71 0.63 -4.49	15.87 0.69 -2.81	17.54 0.90 -1.80	21.32 1.00 -3.81	40.78 0.92 -25.84	38.72 1.07 -20.85	26.43 1.63 -1.28	20.44 1.36 -0.91	19.83 1.41 0.00	17.25 1.33 -0.14	15.70 1.15 -0.33	16.84 1.22 -0.35	14.53 1.03 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.22 1.22 -2.43	30.84 0.58 -22.55	39.07 0.96 -24.18	56.42 0.72 -44.07	24.51 0.17 -21.85	20.97 1.29 0.00	18.72 1.07 0.00
FULTON COGEN____ 23766	7.89 -0.24 -1.05	7.66 -0.25 -0.95	10.61 -0.37 -0.39	12.19 -0.43 -0.25	14.49 -0.51 -0.16	16.30 -0.54 -0.33	15.74 -0.39 -2.11	16.65 -0.55 -0.40	21.77 -0.88 0.87	17.50 -0.67 -0.01	17.74 -0.67 0.00	15.20 -0.59 0.00	13.69 -0.53 -0.01	14.71 -0.57 -0.01	12.62 -0.46 -0.01	15.39 -0.53 0.00	5.80 -0.14 -1.30	15.29 -0.49 -0.22	9.48 -0.22 -2.00	15.71 -0.37 -2.15	15.25 -0.29 -3.90	4.37 -0.06 -1.94	19.16 -0.52 0.00	17.21 -0.44 0.00



FULTON___LFGE 323630	25.48 0.59 -17.82	23.53 0.61 -15.95	18.16 0.93 -6.65	17.61 1.07 -4.16	18.83 1.33 -2.66	23.66 1.50 -5.66	53.47 1.28 -38.17	48.45 1.52 -30.13	27.00 1.66 -1.83	20.77 1.29 -1.32	19.60 1.19 0.00	16.75 0.77 -0.19	15.38 0.69 -0.48	16.47 0.70 -0.50	14.27 0.58 -0.62	16.65 0.73 0.00	26.63 0.23 -21.75	20.14 0.97 -3.60	41.77 0.66 -33.41	51.15 1.41 -35.80	78.07 1.16 -65.28	35.09 0.24 -32.37	21.48 1.81 0.00	19.36 1.72 0.00
G.F.CEMENT___DRP 24184	23.10 0.32 -15.71	21.33 0.28 -14.09	16.88 0.43 -5.86	16.56 0.52 -3.67	17.83 0.64 -2.35	22.26 0.76 -4.99	48.53 0.67 -33.84	44.30 0.76 -26.73	26.06 0.89 -1.65	20.00 0.66 -1.17	19.04 0.63 0.00	16.46 0.50 -0.17	15.07 0.43 -0.43	16.19 0.47 -0.44	14.04 0.42 -0.55	16.45 0.52 0.00	24.01 0.19 -19.17	19.45 0.71 -3.18	37.54 0.39 -29.44	46.24 0.75 -31.56	69.81 0.64 -57.53	31.14 0.13 -28.52	20.63 0.95 0.00	18.29 0.65 0.00
GARDENVILLE___LBMP 24039	8.64 -0.32 -1.89	8.35 -0.37 -1.75	10.78 -0.51 -0.70	12.26 -0.55 -0.44	14.45 -0.67 -0.28	16.23 -0.88 -0.60	16.17 -0.62 -2.77	16.69 -0.82 -0.70	21.31 -1.35 0.87	17.31 -0.88 -0.02	17.65 -0.77 0.00	15.08 -0.71 0.00	13.62 -0.60 -0.01	14.68 -0.61 -0.01	12.58 -0.51 -0.02	15.37 -0.55 0.00	6.77 -0.17 -2.30	15.30 -0.65 -0.38	10.89 -0.34 -3.52	17.05 -0.58 -3.70	18.12 -0.40 -6.89	5.87 -0.03 -3.42	19.34 -0.33 0.00	17.68 0.04 0.00
GARDNVLA_35_KV_LD 355827	8.68 -0.29 -1.90	8.38 -0.35 -1.76	10.82 -0.48 -0.71	12.31 -0.51 -0.44	14.50 -0.62 -0.28	16.29 -0.83 -0.60	16.21 -0.58 -2.77	16.76 -0.74 -0.70	21.42 -1.24 0.87	17.40 -0.79 -0.02	17.79 -0.62 0.00	15.15 -0.64 0.00	13.69 -0.54 -0.01	14.74 -0.54 -0.01	12.64 -0.45 -0.02	15.45 -0.47 0.00	6.82 -0.14 -2.31	15.38 -0.57 -0.38	10.96 -0.30 -3.55	17.15 -0.52 -3.73	18.23 -0.35 -6.94	5.91 -0.02 -3.44	19.42 -0.25 0.00	17.75 0.10 0.00
GELCKHM___115KV_LOAD 80723	8.06 -0.17 -1.15	7.82 -0.18 -1.04	10.75 -0.27 -0.43	12.33 -0.31 -0.27	14.65 -0.36 -0.17	16.49 -0.39 -0.37	16.18 -0.26 -2.43	16.84 -0.40 -0.43	21.98 -0.67 0.88	17.66 -0.51 -0.01	17.93 -0.49 0.00	15.35 -0.44 0.00	13.82 -0.40 -0.01	14.85 -0.43 -0.01	12.75 -0.33 -0.01	15.55 -0.37 0.00	5.97 -0.10 -1.42	15.49 -0.31 -0.24	9.75 -0.14 -2.19	16.07 -0.23 -2.37	15.72 -0.18 -4.28	4.57 -0.03 -2.12	19.35 -0.32 0.00	17.38 -0.27 0.00
GENERAL___MILLS 23808	8.67 -0.30 -1.90	8.38 -0.35 -1.76	10.81 -0.49 -0.70	12.29 -0.52 -0.44	14.48 -0.64 -0.28	16.27 -0.84 -0.60	16.20 -0.60 -2.78	16.74 -0.76 -0.70	21.38 -1.28 0.87	17.38 -0.81 -0.02	17.71 -0.71 0.00	15.12 -0.67 0.00	13.66 -0.57 -0.01	14.72 -0.56 -0.01	12.62 -0.48 -0.02	15.42 -0.50 0.00	6.80 -0.15 -2.31	15.35 -0.60 -0.38	10.93 -0.31 -3.54	17.11 -0.54 -3.72	18.19 -0.37 -6.93	5.89 -0.03 -3.43	19.39 -0.28 0.00	17.72 0.08 0.00
GE_PLASTICS___DRP 24183	22.12 0.14 -14.91	20.37 0.14 -13.27	16.39 0.23 -5.57	16.12 0.26 -3.49	17.37 0.30 -2.23	21.55 0.30 -4.74	46.32 0.26 -32.04	42.61 0.32 -25.48	25.49 0.40 -1.57	19.59 0.31 -1.11	18.72 0.30 0.00	16.26 0.31 -0.16	14.90 0.28 -0.41	16.00 0.31 -0.42	13.86 0.27 -0.52	16.23 0.31 0.00	22.95 0.09 -18.21	18.89 0.31 -3.02	35.82 0.15 -27.97	44.19 0.27 -29.98	66.51 0.22 -54.65	29.63 0.05 -27.10	20.05 0.37 0.00	17.93 0.29 0.00
GILBOA___1 23756	18.76 0.17 -11.52	17.47 0.19 -10.31	15.19 0.30 -4.30	15.40 0.33 -2.69	16.95 0.39 -1.72	20.57 0.40 -3.66	39.11 0.37 -24.73	37.50 0.48 -20.22	25.41 0.65 -1.24	19.57 0.51 -0.88	18.92 0.51 0.00	16.38 0.46 -0.13	14.95 0.41 -0.32	16.04 0.44 -0.34	13.85 0.37 -0.41	16.36 0.44 0.00	18.83 0.13 -14.06	18.33 0.43 -2.33	29.51 0.21 -21.59	37.45 0.38 -23.14	54.13 0.31 -42.19	23.47 0.07 -20.91	20.17 0.50 0.00	18.05 0.41 0.00
GILBOA___2 23757	18.76 0.17 -11.52	17.47 0.19 -10.31	15.19 0.30 -4.30	15.40 0.33 -2.69	16.95 0.39 -1.72	20.57 0.40 -3.66	39.11 0.37 -24.73	37.50 0.48 -20.22	25.41 0.65 -1.24	19.57 0.51 -0.88	18.92 0.51 0.00	16.38 0.46 -0.13	14.95 0.41 -0.32	16.04 0.44 -0.34	13.85 0.37 -0.41	16.36 0.44 0.00	18.83 0.13 -14.06	18.33 0.43 -2.33	29.51 0.21 -21.59	37.45 0.38 -23.14	54.13 0.31 -42.19	23.47 0.07 -20.91	20.17 0.50 0.00	18.05 0.41 0.00
GILBOA___3 23758	18.76 0.17 -11.52	17.47 0.19 -10.31	15.19 0.30 -4.30	15.40 0.33 -2.69	16.95 0.39 -1.72	20.57 0.40 -3.66	39.11 0.37 -24.73	37.50 0.48 -20.22	25.41 0.65 -1.24	19.57 0.51 -0.88	18.92 0.51 0.00	16.38 0.46 -0.13	14.95 0.41 -0.32	16.04 0.44 -0.34	13.85 0.37 -0.41	16.36 0.44 0.00	18.83 0.13 -14.06	18.33 0.43 -2.33	29.51 0.21 -21.59	37.45 0.38 -23.14	54.13 0.31 -42.19	23.47 0.07 -20.91	20.17 0.50 0.00	18.05 0.41 0.00
GILBOA___4 23759	18.76 0.17 -11.52	17.47 0.19 -10.31	15.19 0.30 -4.30	15.40 0.33 -2.69	16.95 0.39 -1.72	20.57 0.40 -3.66	39.11 0.37 -24.73	37.50 0.48 -20.22	25.41 0.65 -1.24	19.57 0.51 -0.88	18.92 0.51 0.00	16.38 0.46 -0.13	14.95 0.41 -0.32	16.04 0.44 -0.34	13.85 0.37 -0.41	16.36 0.44 0.00	18.83 0.13 -14.06	18.33 0.43 -2.33	29.51 0.21 -21.59	37.45 0.38 -23.14	54.13 0.31 -42.19	23.47 0.07 -20.91	20.17 0.50 0.00	18.05 0.41 0.00
GILBOA___ 23599	18.76 0.17 -11.51	17.43 0.19 -10.28	15.19 0.30 -4.30	15.40 0.33 -2.69	16.95 0.39 -1.72	20.56 0.40 -3.66	39.22 0.37 -24.83	37.50 0.48 -20.22	25.41 0.65 -1.24	19.57 0.51 -0.88	18.92 0.51 0.00	16.38 0.46 -0.13	14.95 0.41 -0.32	16.04 0.44 -0.34	13.85 0.37 -0.41	16.36 0.44 0.00	18.84 0.13 -14.06	18.33 0.43 -2.33	29.51 0.21 -21.59	37.46 0.38 -23.15	54.13 0.31 -42.19	23.47 0.07 -20.91	20.18 0.50 0.00	18.05 0.41 0.00
GINNA___ 23603	7.94 -0.54 -1.41	7.66 -0.57 -1.26	10.27 -0.85 -0.53	11.73 -0.97 -0.33	13.89 -1.16 -0.21	15.64 -1.32 -0.45	13.49 -1.03 -0.50	16.05 -1.28 -0.53	20.65 -1.97 0.90	16.71 -1.47 -0.01	16.97 -1.44 0.00	14.52 -1.27 0.00	13.09 -1.13 -0.01	14.06 -1.22 -0.01	12.07 -1.02 -0.02	14.67 -1.25 0.00	6.02 -0.35 -1.73	14.71 -1.15 -0.29	9.81 -0.55 -2.66	15.62 -0.98 -2.66	16.06 -0.77 -5.20	4.92 -0.14 -2.58	18.46 -1.21 0.00	16.70 -0.95 0.00
GLEN PARK___ 23778	7.57 -0.20 -0.69	7.37 -0.21 -0.62	10.57 -0.28 -0.26	12.27 -0.27 -0.16	14.65 -0.28 -0.10	16.48 -0.24 -0.22	15.28 -0.12 -1.38	16.56 -0.25 0.00	22.42 -0.55 0.55	17.49 -0.68 0.01	17.58 -0.84 0.00	14.95 -0.84 0.00	13.44 -0.78 0.00	14.43 -0.85 0.00	12.31 -0.76 0.00	14.99 -0.93 0.00	5.19 -0.29 -0.83	14.79 -0.91 -0.14	8.63 -0.35 -1.28	15.03 -0.27 -1.37	14.00 -0.13 -2.50	3.66 -0.07 -1.24	18.98 -0.70 0.00	16.88 -0.76 0.00
GLENDALE_27_KV_LOAD 356172	19.56 0.46 -12.02	18.12 0.44 -10.71	15.72 0.64 -4.49	15.87 0.69 -2.81	17.54 0.90 -1.80	21.32 1.00 -3.81	40.79 0.93 -25.84	38.81 1.16 -20.85	26.55 1.75 -1.28	20.52 1.44 -0.91	19.91 1.50 0.00	17.29 1.38 -0.14	15.78 1.23 -0.33	16.91 1.29 -0.35	14.61 1.10 -0.43	17.30 1.38 0.00	19.72 0.39 -14.69	19.30 1.31 -2.43	30.88 0.62 -22.55	39.17 1.06 -24.18	56.52 0.82 -44.07	24.52 0.18 -21.85	21.01 1.34 0.00	18.73 1.08 0.00

GLENWOOD_IC_1_G5 23712	19.60 0.50 -12.02	19.81 0.48 -12.36	15.78 0.69 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.18 1.12 -4.55	40.89 1.02 -25.84	38.88 1.22 -20.85	28.55 1.86 -3.17	20.53 1.45 -0.91	22.82 1.53 -2.88	29.87 1.41 -12.67	15.78 1.24 -0.33	16.92 1.31 -0.35	14.61 1.11 -0.43	22.63 1.45 -5.26	60.75 0.41 -55.69	19.33 1.33 -2.43	30.92 0.66 -22.56	61.68 1.15 -46.60	56.59 0.88 -44.08	34.00 0.19 -31.32	21.11 1.43 0.00	18.80 1.16 0.00
GLENWOOD_IC_2_G1 23688	19.57 0.46 -12.03	18.28 0.45 -10.87	15.72 0.64 -4.49	15.89 0.70 -2.81	17.55 0.91 -1.80	21.43 1.04 -3.88	40.77 0.94 -25.81	38.79 1.14 -20.85	28.40 1.71 -3.17	20.43 1.35 -0.91	22.71 1.42 -2.88	29.77 1.31 -12.67	15.70 1.16 -0.33	16.83 1.22 -0.35	14.54 1.03 -0.43	22.52 1.34 -5.26	60.71 0.38 -55.69	19.24 1.24 -2.43	30.87 0.61 -22.56	61.59 1.06 -46.59	56.53 0.81 -44.08	33.98 0.18 -31.32	21.00 1.32 0.00	18.71 1.07 0.00
GLENWOOD_IC_3_G1 23689	19.57 0.46 -12.03	18.28 0.45 -10.87	15.72 0.64 -4.49	15.89 0.70 -2.81	17.55 0.91 -1.80	21.43 1.04 -3.88	40.77 0.94 -25.81	38.79 1.14 -20.85	28.40 1.71 -3.17	20.43 1.35 -0.91	22.71 1.42 -2.88	29.77 1.31 -12.67	15.70 1.16 -0.33	16.83 1.22 -0.35	14.54 1.03 -0.43	22.52 1.34 -5.26	60.71 0.38 -55.69	19.24 1.24 -2.43	30.87 0.61 -22.56	61.59 1.06 -46.59	56.53 0.81 -44.08	33.98 0.18 -31.32	21.00 1.32 0.00	18.71 1.07 0.00
GLENWOOD___4 23550	19.60 0.50 -12.02	19.81 0.48 -12.36	15.78 0.69 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.18 1.12 -4.55	40.89 1.02 -25.84	38.88 1.22 -20.85	28.55 1.86 -3.17	20.53 1.45 -0.91	22.82 1.53 -2.88	29.87 1.41 -12.67	15.78 1.24 -0.33	16.92 1.31 -0.35	14.61 1.11 -0.43	22.63 1.45 -5.26	60.75 0.41 -55.69	19.33 1.33 -2.43	30.92 0.66 -22.56	61.68 1.15 -46.60	56.59 0.88 -44.08	34.00 0.19 -31.32	21.11 1.43 0.00	18.80 1.16 0.00
GLENWOOD___5 23614	19.60 0.50 -12.02	19.81 0.48 -12.36	15.78 0.69 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.18 1.12 -4.55	40.89 1.02 -25.84	38.88 1.22 -20.85	28.55 1.86 -3.17	20.53 1.45 -0.91	22.82 1.53 -2.88	29.87 1.41 -12.67	15.78 1.24 -0.33	16.92 1.31 -0.35	14.61 1.11 -0.43	22.63 1.45 -5.26	60.75 0.41 -55.69	19.33 1.33 -2.43	30.92 0.66 -22.56	61.68 1.15 -46.60	56.59 0.88 -44.08	34.00 0.19 -31.32	21.11 1.43 0.00	18.80 1.16 0.00
GLOBAL GREEN_PORT_GT1 23814	19.90 0.79 -12.03	19.78 0.78 -12.04	16.22 1.14 -4.49	16.48 1.29 -2.81	18.28 1.64 -1.80	23.09 1.91 -4.68	41.55 1.72 -25.81	39.67 2.01 -20.85	29.73 3.04 -3.17	21.16 2.08 -0.91	23.33 2.04 -2.88	30.35 1.89 -12.67	16.13 1.58 -0.33	17.22 1.60 -0.35	14.86 1.36 -0.43	23.09 1.91 -5.26	60.91 0.58 -55.69	19.88 1.88 -2.43	31.23 0.97 -22.56	62.33 1.81 -46.59	57.07 1.36 -44.08	34.12 0.31 -31.32	21.95 2.27 0.00	19.46 1.82 0.00
GLOBE___DSASP 323697	8.22 -0.62 -1.76	7.94 -0.66 -1.63	10.29 -0.96 -0.66	11.70 -1.08 -0.41	13.76 -1.35 -0.26	15.45 -1.62 -0.56	15.18 -1.29 -2.45	15.86 -1.60 -0.65	20.21 -2.43 0.87	16.49 -1.70 -0.02	16.79 -1.62 0.00	14.37 -1.42 0.00	13.01 -1.22 -0.01	14.01 -1.27 -0.01	12.02 -1.08 -0.02	14.67 -1.25 0.00	6.43 -0.37 -2.15	14.59 -1.33 -0.36	10.32 -0.69 -3.31	16.14 -1.25 -3.45	17.13 -0.96 -6.46	5.54 -0.15 -3.20	18.44 -1.23 0.00	16.92 -0.72 0.00
GOETHSLN___LBMP 323567	19.48 0.39 -12.02	18.05 0.37 -10.71	15.61 0.53 -4.49	15.75 0.57 -2.81	17.40 0.76 -1.80	21.16 0.84 -3.81	40.63 0.78 -25.84	38.61 0.96 -20.84	26.26 1.46 -1.28	20.29 1.21 -0.91	19.69 1.27 0.00	17.11 1.19 -0.13	15.62 1.07 -0.33	16.73 1.11 -0.35	14.45 0.95 -0.43	17.12 1.20 0.00	19.67 0.34 -14.69	19.11 1.12 -2.43	30.79 0.53 -22.55	39.00 0.89 -24.18	56.39 0.68 -44.07	24.49 0.15 -21.85	20.79 1.12 0.00	18.55 0.90 0.00
GOLAH___69_KV_TB 1_2 80279	8.29 -0.26 -1.47	8.01 -0.30 -1.34	10.70 -0.44 -0.55	12.24 -0.48 -0.34	14.49 -0.57 -0.22	16.32 -0.65 -0.47	15.18 -0.44 -1.60	16.75 -0.60 -0.55	21.52 -1.10 0.89	17.40 -0.78 -0.01	17.66 -0.75 0.00	15.09 -0.70 0.00	13.62 -0.60 -0.01	14.66 -0.62 -0.01	12.56 -0.53 -0.02	15.33 -0.59 0.00	6.27 -0.17 -1.80	15.28 -0.58 -0.30	10.21 -0.26 -2.76	16.35 -0.42 -2.84	16.73 -0.29 -5.39	5.13 -0.03 -2.67	19.33 -0.34 0.00	17.55 -0.10 0.00
GOODYEAR_LAKE_HYD 323669	9.63 0.26 -2.30	10.38 0.26 -3.16	11.77 0.38 -0.78	13.30 0.44 -0.49	15.70 0.54 -0.31	17.85 0.64 -0.70	20.73 0.64 -6.06	21.33 0.82 -3.70	24.66 1.12 -0.02	19.17 0.84 -0.16	19.24 0.83 0.00	16.49 0.68 -0.02	14.88 0.61 -0.06	15.96 0.63 -0.06	13.66 0.51 -0.08	16.54 0.62 -2.57	7.40 0.18 0.00	16.62 0.64 -0.43	11.99 0.33 -3.95	18.84 0.64 -4.26	19.89 0.53 -7.72	6.43 0.12 -3.83	20.54 0.86 0.00	18.40 0.75 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	10.54 0.04 -3.43	10.19 0.04 -3.19	11.92 0.06 -1.27	13.23 0.06 -0.79	15.45 0.10 -0.51	17.70 0.11 -1.08	21.79 0.18 -7.59	18.22 -0.03 -1.45	22.60 -0.20 0.73	18.10 -0.12 -0.05	18.37 -0.04 0.00	15.69 -0.11 -0.01	14.14 -0.09 -0.02	15.18 -0.12 -0.02	13.15 0.03 -0.04	16.07 0.15 0.00	8.88 0.07 -4.17	16.44 0.19 -0.69	14.20 0.10 -6.40	21.06 0.22 -6.91	24.29 0.15 -12.50	8.73 0.05 -6.20	19.98 0.31 0.00	17.95 0.31 0.00
GOUDEY___7 23579	10.55 0.05 -3.43	10.20 0.04 -3.19	11.93 0.07 -1.27	13.23 0.07 -0.79	15.46 0.12 -0.51	17.72 0.12 -1.08	21.80 0.19 -7.59	18.23 -0.02 -1.45	22.62 -0.17 0.73	18.11 -0.11 -0.05	18.38 -0.03 0.00	15.70 -0.09 -0.01	14.16 -0.08 -0.02	15.19 -0.10 -0.02	13.16 0.05 -0.04	16.08 0.16 0.00	8.89 0.08 -4.17	16.46 0.20 -0.69	14.21 0.11 -6.40	21.07 0.23 -6.91	24.30 0.16 -12.50	8.73 0.05 -6.20	20.00 0.32 0.00	17.97 0.33 0.00
GOUDEY___8 23580	10.54 0.04 -3.43	10.19 0.04 -3.19	11.92 0.06 -1.27	13.23 0.06 -0.79	15.45 0.10 -0.51	17.70 0.11 -1.08	21.79 0.18 -7.59	18.22 -0.03 -1.45	22.60 -0.20 0.73	18.10 -0.12 -0.05	18.37 -0.04 0.00	15.69 -0.11 -0.01	14.14 -0.09 -0.02	15.18 -0.12 -0.02	13.15 0.03 -0.04	16.07 0.15 0.00	8.88 0.07 -4.17	16.44 0.19 -0.69	14.20 0.10 -6.40	21.06 0.22 -6.91	24.29 0.15 -12.50	8.73 0.05 -6.20	19.98 0.31 0.00	17.95 0.31 0.00
GOWANUS_GT1_1 24077	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT1_2 24078	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00

GOWANUS_GT1_3 24079	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT1_4 24080	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT1_5 24084	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT1_6 24111	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT1_7 24112	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT1_8 24113	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_1 24114	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_2 24115	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_3 24116	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_4 24117	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_5 24118	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_6 24119	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_7 24120	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT2_8 24121	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_1 24122	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00

GOWANUS_GT3_2 24123	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_3 24124	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_4 24125	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_5 24126	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_6 24127	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_7 24128	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT3_8 24129	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_1 24130	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_2 24131	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_3 24132	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_4 24133	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_5 24134	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_6 24135	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_7 24136	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
GOWANUS_GT4_8 24137	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00

GREENBSH_115KV_TB3 55895	22.15 0.10 -14.97	20.37 0.10 -13.31	16.36 0.18 -5.59	16.08 0.20 -3.50	17.31 0.22 -2.24	21.48 0.21 -4.76	46.41 0.17 -32.23	42.58 0.16 -25.61	25.29 0.19 -1.58	19.44 0.15 -1.12	18.56 0.15 0.00	16.16 0.21 -0.16	14.81 0.19 -0.41	15.91 0.21 -0.43	13.79 0.18 -0.52	16.12 0.19 0.00	23.02 0.06 -18.31	18.81 0.21 -3.03	35.92 0.09 -28.12	44.25 0.17 -30.15	66.72 0.13 -54.95	29.76 0.03 -27.24	19.90 0.23 0.00	17.80 0.16 0.00
GREENDGE_115KV_TB5 80291	9.22 -0.05 -2.20	8.91 -0.07 -2.02	11.33 -0.08 -0.82	12.81 -0.07 -0.51	15.11 -0.05 -0.33	17.14 -0.06 -0.70	23.86 0.07 -9.77	17.59 -0.05 -0.84	22.38 -0.31 0.83	17.96 -0.23 -0.03	18.22 -0.19 0.00	15.55 -0.24 -0.01	14.00 -0.23 -0.01	15.03 -0.26 -0.01	12.94 -0.16 -0.02	15.79 -0.13 0.00	7.32 -0.01 -2.68	15.96 -0.05 -0.45	11.84 0.02 -4.12	18.85 0.09 -4.83	19.78 0.09 -8.05	6.52 0.04 -3.99	19.90 0.22 0.00	17.95 0.31 0.00
GREENIDGE___3 23582	9.22 -0.05 -2.20	8.91 -0.07 -2.02	11.33 -0.08 -0.82	12.81 -0.07 -0.51	15.11 -0.05 -0.33	17.14 -0.06 -0.70	23.86 0.07 -9.77	17.59 -0.05 -0.84	22.38 -0.31 0.83	17.96 -0.23 -0.03	18.22 -0.19 0.00	15.55 -0.24 -0.01	14.00 -0.23 -0.01	15.03 -0.26 -0.01	12.94 -0.16 -0.02	15.79 -0.13 0.00	7.32 -0.01 -2.68	15.96 -0.05 -0.45	11.84 0.02 -4.12	18.85 0.09 -4.83	19.78 0.09 -8.05	6.52 0.04 -3.99	19.90 0.22 0.00	17.95 0.31 0.00
GREENIDGE___4 23583	9.21 -0.06 -2.19	8.86 -0.07 -1.96	11.33 -0.08 -0.82	12.81 -0.08 -0.51	15.11 -0.05 -0.33	17.14 -0.06 -0.69	23.88 0.07 -9.80	17.59 -0.05 -0.84	22.38 -0.31 0.83	17.96 -0.23 -0.03	18.23 -0.19 0.00	15.55 -0.24 -0.01	14.00 -0.23 -0.01	15.03 -0.26 -0.01	12.94 -0.16 -0.02	15.79 -0.13 0.00	7.32 -0.01 -2.68	15.96 -0.05 -0.45	11.84 0.01 -4.12	18.85 0.09 -4.83	19.78 0.10 -8.05	6.52 0.04 -3.99	19.91 0.23 0.00	17.95 0.31 0.00
GREENLWN_69_KV_BK 3 55738	19.63 0.53 -12.02	19.58 0.53 -12.09	15.85 0.76 -4.49	16.03 0.85 -2.81	17.72 1.09 -1.80	22.42 1.25 -4.67	40.97 1.11 -25.84	38.90 1.24 -20.85	28.64 1.95 -3.17	20.54 1.46 -0.91	22.78 1.49 -2.88	29.87 1.41 -12.67	15.75 1.21 -0.33	16.86 1.24 -0.35	14.55 1.04 -0.43	22.61 1.44 -5.26	60.75 0.42 -55.69	19.30 1.31 -2.43	30.91 0.65 -22.56	61.70 1.17 -46.60	56.52 0.81 -44.08	34.00 0.19 -31.32	21.10 1.42 0.00	18.79 1.15 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.56 0.46 -12.02	18.12 0.44 -10.71	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.32 1.00 -3.81	40.79 0.93 -25.84	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.18	56.50 0.79 -44.07	24.51 0.18 -21.85	21.00 1.32 0.00	18.71 1.07 0.00
GRISSOM___SOLAR 323813	25.48 0.59 -17.82	23.53 0.61 -15.95	18.16 0.93 -6.65	17.61 1.07 -4.16	18.83 1.33 -2.66	23.66 1.50 -5.66	53.47 1.28 -38.17	48.45 1.52 -30.13	27.00 1.66 -1.83	20.77 1.29 -1.32	19.60 1.19 0.00	16.75 0.77 -0.19	15.38 0.69 -0.48	16.47 0.70 -0.50	14.27 0.58 -0.62	16.65 0.73 0.00	26.63 0.23 -21.75	20.14 0.97 -3.60	41.77 0.66 -33.41	51.15 1.41 -35.80	78.07 1.16 -65.28	35.09 0.24 -32.37	21.48 1.81 0.00	19.36 1.72 0.00
GROVEVILLE___HYD 323602	19.49 0.43 -11.99	18.02 0.41 -10.65	15.67 0.60 -4.48	15.84 0.66 -2.80	17.48 0.85 -1.79	21.29 0.97 -3.80	40.70 0.90 -25.79	38.71 1.10 -20.80	26.38 1.58 -1.28	20.32 1.24 -0.91	19.69 1.28 0.00	17.08 1.16 -0.13	15.58 1.04 -0.33	16.72 1.11 -0.35	14.46 0.96 -0.43	17.12 1.20 0.00	19.65 0.35 -14.66	19.18 1.19 -2.43	30.79 0.58 -22.51	39.08 1.02 -24.13	56.43 0.83 -43.98	24.46 0.17 -21.80	20.97 1.30 0.00	18.68 1.04 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	8.22 -0.12 -1.26	7.98 -0.13 -1.15	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.65 -0.27 -0.40	16.77 -0.16 -2.91	17.01 -0.27 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.24 -0.09 -4.69	4.79 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
HAMLTNNY_34_KV_TB 80303	8.29 -0.11 -1.33	8.05 -0.13 -1.21	10.91 -0.18 -0.50	12.46 -0.22 -0.31	14.80 -0.23 -0.20	16.71 -0.22 -0.42	16.99 -0.12 -3.09	17.09 -0.22 -0.50	22.21 -0.44 0.87	17.82 -0.36 -0.01	18.10 -0.31 0.00	15.49 -0.29 0.00	13.93 -0.29 -0.01	14.96 -0.31 -0.01	12.86 -0.22 -0.01	15.68 -0.24 0.00	6.24 -0.05 -1.64	15.69 -0.15 -0.27	10.18 -0.05 -2.52	16.61 -0.08 -2.76	16.52 -0.04 -4.93	4.93 0.00 -2.45	19.57 -0.11 0.00	17.57 -0.07 0.00
HAMPSHIRE___PAPER_HYD 323593	7.17 -0.25 -0.35	7.03 -0.25 -0.31	10.36 -0.36 -0.13	12.07 -0.39 -0.08	14.43 -0.46 -0.05	16.17 -0.45 -0.11	14.36 -0.36 -0.70	16.35 -0.46 0.00	22.59 -0.67 0.26	17.54 -0.63 0.00	17.68 -0.73 0.00	15.08 -0.71 0.00	13.56 -0.65 0.00	14.57 -0.71 0.00	12.45 -0.63 0.00	15.20 -0.72 0.00	4.83 -0.22 -0.41	14.92 -0.72 -0.07	8.04 -0.30 -0.63	14.24 -0.37 -0.68	12.57 -0.29 -1.23	3.01 -0.09 -0.61	18.87 -0.81 0.00	16.84 -0.80 0.00
HARDSCRABBLE_WT_PWR 323673	6.98 -0.10 0.00	6.87 -0.09 0.00	10.46 -0.14 0.00	12.22 -0.15 0.00	14.68 -0.16 0.00	16.30 -0.21 0.00	13.82 -0.20 0.00	16.56 -0.25 0.00	22.92 -0.50 0.10	17.75 -0.42 0.00	17.99 -0.42 0.00	15.43 -0.36 0.00	13.85 -0.36 0.00	14.87 -0.40 0.00	12.70 -0.37 0.00	15.43 -0.49 0.00	4.50 -0.15 0.00	15.02 -0.54 0.00	7.47 -0.23 0.00	13.62 -0.31 0.00	11.39 -0.25 0.00	2.45 -0.04 0.00	19.42 -0.25 0.00	17.51 -0.13 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	18.61 0.39 -11.14	17.33 0.38 -9.99	15.30 0.55 -4.16	15.58 0.61 -2.60	17.29 0.79 -1.67	20.93 0.89 -3.53	39.03 0.81 -24.20	37.22 1.01 -19.40	26.16 1.45 -1.19	20.17 1.15 -0.85	19.60 1.19 0.00	17.01 1.10 -0.12	15.50 0.98 -0.31	16.63 1.04 -0.32	14.37 0.90 -0.40	17.05 1.14 0.00	18.57 0.33 -13.60	18.93 1.12 -2.25	29.14 0.55 -20.89	37.27 0.95 -22.39	53.20 0.75 -40.82	22.88 0.16 -20.23	20.86 1.19 0.00	18.62 0.98 0.00
HARSNRAD_115KV_TB1 81005	8.34 -0.47 -1.74	8.04 -0.52 -1.59	10.48 -0.76 -0.65	11.94 -0.84 -0.41	14.06 -1.04 -0.26	15.78 -1.28 -0.55	15.41 -0.94 -2.33	16.22 -1.24 -0.65	20.70 -1.95 0.88	16.84 -1.35 -0.02	17.16 -1.25 0.00	14.67 -1.12 0.00	13.27 -0.95 -0.01	14.33 -0.95 -0.01	12.27 -0.82 -0.02	15.06 -0.86 0.00	6.50 -0.27 -2.12	14.90 -1.02 -0.35	10.45 -0.52 -3.26	16.40 -0.93 -3.40	17.31 -0.70 -6.37	5.55 -0.09 -3.16	18.86 -0.82 0.00	17.28 -0.37 0.00
HARZA MOOSE___RIVER 24016	7.46 -0.05 -0.44	7.27 -0.04 -0.35	10.72 -0.04 -0.16	12.46 -0.02 -0.10	14.90 -0.01 -0.07	16.67 0.02 -0.14	14.95 0.06 -0.87	17.02 0.05 -0.17	23.23 -0.02 0.27	18.08 -0.10 0.00	18.23 -0.19 0.00	15.56 -0.23 0.00	13.97 -0.24 0.00	15.00 -0.28 0.00	12.82 -0.26 0.00	15.61 -0.31 0.00	5.04 -0.10 -0.50	15.37 -0.28 -0.08	8.40 -0.07 -0.77	14.82 0.07 -0.83	13.20 0.06 -1.50	3.22 -0.01 -0.74	19.47 -0.21 0.00	17.42 -0.22 0.00

HDSNBRDG_115KV_BRDG_TB1 355580	8.07 -0.16 -1.16	7.89 -0.17 -1.09	10.77 -0.25 -0.43	12.35 -0.29 -0.27	14.67 -0.34 -0.17	16.51 -0.37 -0.37	16.26 -0.25 -2.49	16.86 -0.38 -0.44	22.02 -0.64 0.85	17.69 -0.49 -0.01	17.95 -0.46 0.00	15.37 -0.42 0.00	13.84 -0.38 -0.01	14.87 -0.41 -0.01	12.78 -0.31 -0.01	15.59 -0.33 0.00	6.01 -0.08 -1.45	15.52 -0.28 -0.24	9.81 -0.13 -2.23	16.13 -0.20 -2.40	15.82 -0.16 -4.35	4.62 -0.03 -2.16	19.39 -0.29 0.00	17.41 -0.23 0.00
HELLGATE_13_KV_LD 55870	19.53 0.43 -12.02	18.10 0.42 -10.71	15.68 0.60 -4.49	15.83 0.65 -2.81	17.49 0.85 -1.80	21.26 0.94 -3.81	40.73 0.88 -25.84	38.74 1.09 -20.85	26.43 1.63 -1.28	20.44 1.35 -0.91	19.81 1.40 0.00	17.23 1.30 -0.14	15.71 1.16 -0.33	16.83 1.21 -0.35	14.54 1.04 -0.43	17.22 1.30 0.00	19.70 0.37 -14.69	19.21 1.22 -2.43	30.84 0.58 -22.55	39.09 0.98 -24.18	56.46 0.76 -44.07	24.50 0.16 -21.85	20.92 1.25 0.00	18.64 1.00 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	19.53 0.43 -12.02	18.10 0.42 -10.71	15.68 0.60 -4.49	15.83 0.65 -2.81	17.49 0.85 -1.80	21.26 0.94 -3.81	40.73 0.88 -25.84	38.74 1.09 -20.85	26.43 1.63 -1.28	20.44 1.35 -0.91	19.81 1.40 0.00	17.23 1.30 -0.14	15.71 1.16 -0.33	16.83 1.21 -0.35	14.54 1.04 -0.43	17.22 1.30 0.00	19.70 0.37 -14.69	19.21 1.22 -2.43	30.84 0.58 -22.55	39.09 0.98 -24.18	56.46 0.76 -44.07	24.50 0.16 -21.85	20.92 1.25 0.00	18.64 1.00 0.00
HEMPSTEAD____ 23647	19.61 0.50 -12.03	19.38 0.49 -11.92	15.78 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.25 1.14 -4.60	40.87 1.04 -25.81	38.89 1.24 -20.85	28.60 1.91 -3.17	20.54 1.46 -0.91	22.82 1.53 -2.88	29.88 1.42 -12.67	15.78 1.23 -0.33	16.91 1.29 -0.35	14.59 1.08 -0.43	22.62 1.44 -5.26	60.74 0.41 -55.69	19.30 1.30 -2.43	30.91 0.65 -22.56	61.67 1.14 -46.59	56.57 0.86 -44.08	34.00 0.20 -31.32	21.12 1.45 0.00	18.80 1.16 0.00
HEWLETT__69_KV_BK3 55828	19.66 0.56 -12.02	19.53 0.55 -12.01	15.88 0.80 -4.49	16.06 0.88 -2.81	17.76 1.13 -1.80	22.36 1.27 -4.58	40.99 1.13 -25.84	38.97 1.32 -20.85	28.71 2.02 -3.17	20.62 1.54 -0.91	22.92 1.63 -2.88	29.98 1.52 -12.67	15.87 1.32 -0.33	17.00 1.38 -0.35	14.66 1.16 -0.43	22.73 1.55 -5.26	60.77 0.44 -55.69	19.40 1.40 -2.43	30.96 0.70 -22.56	61.78 1.24 -46.60	56.64 0.93 -44.08	34.01 0.21 -31.32	21.24 1.56 0.00	18.94 1.29 0.00
HICKLING___1 23621	9.90 0.07 -2.75	9.58 0.05 -2.56	11.71 0.10 -1.02	13.12 0.11 -0.64	15.43 0.18 -0.41	17.58 0.19 -0.87	21.32 0.34 -6.97	18.01 0.18 -1.03	22.78 0.06 0.80	18.32 0.12 -0.03	18.64 0.23 0.00	15.90 0.10 -0.01	14.32 0.09 -0.02	15.37 0.08 -0.02	13.27 0.17 -0.03	16.22 0.30 0.00	8.13 0.14 -3.35	16.44 0.32 -0.55	13.01 0.16 -5.14	19.93 0.36 -5.63	21.96 0.28 -10.05	7.56 0.09 -4.98	20.26 0.58 0.00	18.23 0.58 0.00
HICKLING___2 23622	9.90 0.07 -2.75	9.58 0.05 -2.56	11.71 0.10 -1.02	13.12 0.11 -0.64	15.43 0.18 -0.41	17.58 0.19 -0.87	21.32 0.34 -6.97	18.01 0.18 -1.03	22.78 0.06 0.80	18.32 0.12 -0.03	18.64 0.23 0.00	15.90 0.10 -0.01	14.32 0.09 -0.02	15.37 0.08 -0.02	13.27 0.17 -0.03	16.22 0.30 0.00	8.13 0.14 -3.35	16.44 0.32 -0.55	13.01 0.16 -5.14	19.93 0.36 -5.63	21.96 0.28 -10.05	7.56 0.09 -4.98	20.26 0.58 0.00	18.23 0.58 0.00
HIGH FALLS___HY 23754	18.89 0.45 -11.37	17.42 0.45 -10.01	15.49 0.64 -4.25	15.74 0.70 -2.66	17.48 0.94 -1.70	21.15 1.04 -3.60	39.96 0.93 -25.01	37.79 1.17 -19.81	26.44 1.71 -1.22	20.36 1.32 -0.87	19.76 1.35 0.00	17.11 1.20 -0.13	15.60 1.07 -0.32	16.72 1.12 -0.33	14.36 0.88 -0.41	17.04 1.12 0.00	18.88 0.32 -13.91	18.99 1.12 -2.31	29.64 0.57 -21.36	37.85 1.01 -22.91	54.28 0.90 -41.75	23.38 0.19 -20.70	21.11 1.44 0.00	18.89 1.25 0.00
HILLBURN___GT 23639	18.83 0.38 -11.37	17.52 0.38 -10.18	15.38 0.54 -4.25	15.63 0.60 -2.66	17.32 0.78 -1.70	20.98 0.87 -3.61	39.21 0.78 -24.41	37.57 0.98 -19.78	26.17 1.43 -1.21	20.19 1.15 -0.86	19.62 1.20 0.00	17.03 1.12 -0.13	15.52 0.98 -0.31	16.64 1.04 -0.33	14.38 0.90 -0.40	17.05 1.14 0.00	18.85 0.33 -13.88	18.96 1.10 -2.30	29.56 0.53 -21.32	37.69 0.91 -22.85	54.01 0.72 -41.66	23.30 0.15 -20.66	20.82 1.14 0.00	18.61 0.97 0.00
HILLSIDE_115KV_TB1 80332	9.91 0.00 -2.84	9.60 0.00 -2.64	11.65 0.01 -1.05	13.03 -0.01 -0.66	15.31 0.05 -0.42	17.44 0.03 -0.90	21.13 0.15 -6.95	17.81 -0.05 -1.06	22.49 -0.23 0.79	18.09 -0.11 -0.04	18.43 0.01 0.00	15.72 -0.08 -0.01	14.16 -0.07 -0.02	15.19 -0.10 -0.02	13.14 0.03 -0.03	16.05 0.13 0.00	8.20 0.09 -3.46	16.29 0.16 -0.57	13.09 0.08 -5.31	19.93 0.19 -5.80	22.12 0.11 -10.38	7.68 0.05 -5.14	19.97 0.29 0.00	17.98 0.34 0.00
HISHELDND_WT_PWR 323625	8.79 -0.29 -2.01	8.43 -0.33 -1.80	10.90 -0.44 -0.75	12.35 -0.49 -0.47	14.52 -0.62 -0.30	16.33 -0.81 -0.64	18.95 -0.55 -5.49	16.78 -0.77 -0.75	21.40 -1.27 0.85	17.37 -0.82 -0.02	17.71 -0.70 0.00	15.13 -0.66 -0.01	13.64 -0.59 -0.01	14.68 -0.60 -0.01	12.60 -0.49 -0.02	15.42 -0.50 0.00	6.96 -0.15 -2.46	15.38 -0.58 -0.41	11.18 -0.30 -3.77	17.60 -0.48 -4.15	18.68 -0.33 -7.37	6.12 -0.02 -3.65	19.44 -0.23 0.00	17.71 0.06 0.00
HOLTSVILLE_IC_1 23690	19.70 0.60 -12.03	19.60 0.60 -12.04	15.95 0.87 -4.49	16.16 0.97 -2.81	17.88 1.24 -1.80	22.62 1.44 -4.68	41.12 1.29 -25.81	39.13 1.47 -20.85	28.99 2.30 -3.17	20.72 1.63 -0.91	22.92 1.63 -2.88	29.99 1.53 -12.67	15.84 1.29 -0.33	16.91 1.30 -0.35	14.60 1.09 -0.43	22.71 1.54 -5.26	60.79 0.45 -55.69	19.43 1.43 -2.43	30.99 0.73 -22.56	61.85 1.33 -46.59	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	18.99 1.35 0.00
HOLTSVILLE_IC_10 23699	19.74 0.63 -12.03	19.63 0.62 -12.04	15.99 0.90 -4.49	16.20 1.02 -2.81	17.93 1.30 -1.80	22.70 1.52 -4.68	41.20 1.37 -25.81	39.23 1.58 -20.85	29.14 2.44 -3.17	20.81 1.73 -0.91	23.01 1.72 -2.88	30.07 1.61 -12.67	15.91 1.36 -0.33	16.98 1.37 -0.35	14.66 1.16 -0.43	22.80 1.62 -5.26	60.81 0.48 -55.69	19.53 1.53 -2.43	31.04 0.78 -22.56	61.95 1.43 -46.59	56.75 1.04 -44.08	34.05 0.25 -31.32	21.49 1.81 0.00	19.07 1.43 0.00
HOLTSVILLE_IC_2 23691	19.70 0.60 -12.03	19.60 0.60 -12.04	15.95 0.87 -4.49	16.16 0.97 -2.81	17.88 1.24 -1.80	22.62 1.44 -4.68	41.12 1.29 -25.81	39.13 1.47 -20.85	28.99 2.30 -3.17	20.72 1.63 -0.91	22.92 1.63 -2.88	29.99 1.53 -12.67	15.84 1.29 -0.33	16.91 1.30 -0.35	14.60 1.09 -0.43	22.71 1.54 -5.26	60.79 0.45 -55.69	19.43 1.43 -2.43	30.99 0.73 -22.56	61.85 1.33 -46.59	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	18.99 1.35 0.00
HOLTSVILLE_IC_3 23692	19.70 0.60 -12.03	19.60 0.60 -12.04	15.95 0.87 -4.49	16.16 0.97 -2.81	17.88 1.24 -1.80	22.62 1.44 -4.68	41.12 1.29 -25.81	39.13 1.47 -20.85	28.99 2.30 -3.17	20.72 1.63 -0.91	22.92 1.63 -2.88	29.99 1.53 -12.67	15.84 1.29 -0.33	16.91 1.30 -0.35	14.60 1.09 -0.43	22.71 1.54 -5.26	60.79 0.45 -55.69	19.43 1.43 -2.43	30.99 0.73 -22.56	61.85 1.33 -46.59	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	18.99 1.35 0.00

HOLTSVILLE_IC_4 23693	19.70 0.60 -12.03	19.60 0.60 -12.04	15.95 0.87 -4.49	16.16 0.97 -2.81	17.88 1.24 -1.80	22.62 1.44 -4.68	41.12 1.29 -25.81	39.13 1.47 -20.85	28.99 2.30 -3.17	20.72 1.63 -0.91	22.92 1.63 -2.88	29.99 1.53 -12.67	15.84 1.29 -0.33	16.91 1.30 -0.35	14.60 1.09 -0.43	22.71 1.54 -5.26	60.79 0.45 -55.69	19.43 1.43 -2.43	30.99 0.73 -22.56	61.85 1.33 -46.59	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	18.99 1.35 0.00
HOLTSVILLE_IC_5 23694	19.70 0.60 -12.03	19.60 0.60 -12.04	15.95 0.87 -4.49	16.16 0.97 -2.81	17.88 1.24 -1.80	22.62 1.44 -4.68	41.12 1.29 -25.81	39.13 1.47 -20.85	28.99 2.30 -3.17	20.72 1.63 -0.91	22.92 1.63 -2.88	29.99 1.53 -12.67	15.84 1.29 -0.33	16.91 1.30 -0.35	14.60 1.09 -0.43	22.71 1.54 -5.26	60.79 0.45 -55.69	19.43 1.43 -2.43	30.99 0.73 -22.56	61.85 1.33 -46.59	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	18.99 1.35 0.00
HOLTSVILLE_IC_6 23695	19.74 0.63 -12.03	19.63 0.62 -12.04	15.99 0.90 -4.49	16.20 1.02 -2.81	17.93 1.30 -1.80	22.70 1.52 -4.68	41.20 1.37 -25.81	39.23 1.58 -20.85	29.14 2.44 -3.17	20.81 1.73 -0.91	23.01 1.72 -2.88	30.07 1.61 -12.67	15.91 1.36 -0.33	16.98 1.37 -0.35	14.66 1.16 -0.43	22.80 1.62 -5.26	60.81 0.48 -55.69	19.53 1.53 -2.43	31.04 0.78 -22.56	61.95 1.43 -46.59	56.75 1.04 -44.08	34.05 0.25 -31.32	21.49 1.81 0.00	19.07 1.43 0.00
HOLTSVILLE_IC_7 23696	19.74 0.63 -12.03	19.63 0.62 -12.04	15.99 0.90 -4.49	16.20 1.02 -2.81	17.93 1.30 -1.80	22.70 1.52 -4.68	41.20 1.37 -25.81	39.23 1.58 -20.85	29.14 2.44 -3.17	20.81 1.73 -0.91	23.01 1.72 -2.88	30.07 1.61 -12.67	15.91 1.36 -0.33	16.98 1.37 -0.35	14.66 1.16 -0.43	22.80 1.62 -5.26	60.81 0.48 -55.69	19.53 1.53 -2.43	31.04 0.78 -22.56	61.95 1.43 -46.59	56.75 1.04 -44.08	34.05 0.25 -31.32	21.49 1.81 0.00	19.07 1.43 0.00
HOLTSVILLE_IC_8 23697	19.74 0.63 -12.03	19.63 0.62 -12.04	15.99 0.90 -4.49	16.20 1.02 -2.81	17.93 1.30 -1.80	22.70 1.52 -4.68	41.20 1.37 -25.81	39.23 1.58 -20.85	29.14 2.44 -3.17	20.81 1.73 -0.91	23.01 1.72 -2.88	30.07 1.61 -12.67	15.91 1.36 -0.33	16.98 1.37 -0.35	14.66 1.16 -0.43	22.80 1.62 -5.26	60.81 0.48 -55.69	19.53 1.53 -2.43	31.04 0.78 -22.56	61.95 1.43 -46.59	56.75 1.04 -44.08	34.05 0.25 -31.32	21.49 1.81 0.00	19.07 1.43 0.00
HOLTSVILLE_IC_9 23698	19.74 0.63 -12.03	19.63 0.62 -12.04	15.99 0.90 -4.49	16.20 1.02 -2.81	17.93 1.30 -1.80	22.70 1.52 -4.68	41.20 1.37 -25.81	39.23 1.58 -20.85	29.14 2.44 -3.17	20.81 1.73 -0.91	23.01 1.72 -2.88	30.07 1.61 -12.67	15.91 1.36 -0.33	16.98 1.37 -0.35	14.66 1.16 -0.43	22.80 1.62 -5.26	60.81 0.48 -55.69	19.53 1.53 -2.43	31.04 0.78 -22.56	61.95 1.43 -46.59	56.75 1.04 -44.08	34.05 0.25 -31.32	21.49 1.81 0.00	19.07 1.43 0.00
HOMER_HL_115KV_TB2 355744	9.30 0.06 -2.16	8.97 0.03 -1.97	11.51 0.11 -0.80	13.27 0.41 -0.48	15.68 0.54 -0.30	17.71 0.56 -0.64	18.61 0.71 -3.88	18.45 0.90 -0.75	23.63 0.96 0.85	19.00 0.81 -0.02	19.38 0.96 0.00	16.42 0.63 -0.01	14.75 0.52 -0.01	15.86 0.58 -0.01	13.56 0.46 -0.02	16.54 0.62 0.00	7.28 0.17 -2.47	16.50 0.53 -0.41	11.78 0.29 -3.79	18.68 0.70 -4.05	19.80 0.76 -7.41	6.37 0.21 -3.67	21.24 1.57 0.00	19.27 1.63 0.00
HOWARD_WT_PWR 323690	9.34 -0.06 -2.32	8.96 -0.08 -2.08	11.40 -0.06 -0.87	12.94 0.03 -0.54	15.25 0.06 -0.34	17.28 0.04 -0.73	20.54 0.21 -6.31	17.76 0.09 -0.87	22.53 -0.16 0.83	18.17 -0.03 -0.03	18.48 0.06 0.00	15.67 -0.12 -0.01	14.09 -0.14 -0.01	15.12 -0.17 -0.01	12.98 -0.12 -0.03	15.88 -0.04 0.00	7.47 0.01 -2.81	15.96 -0.07 -0.47	12.02 -0.01 -4.32	18.76 0.07 -4.75	20.22 0.14 -8.44	6.75 0.07 -4.18	20.25 0.57 0.00	18.34 0.70 0.00
HQ_GEN_CEDARS 23644	7.15 -0.03 -0.11	7.04 -0.01 -0.09	10.61 -0.03 -0.04	12.37 -0.03 -0.02	14.81 -0.05 -0.02	16.51 -0.04 -0.03	14.11 -0.10 -0.19	16.75 -0.10 -0.05	23.37 -0.07 0.08	18.09 -0.08 0.00	18.29 -0.13 0.00	15.65 -0.14 0.00	14.10 -0.11 0.00	15.16 -0.11 0.00	12.97 -0.11 0.00	15.78 -0.13 0.00	4.73 -0.05 -0.13	15.43 -0.15 -0.02	7.83 -0.08 -0.20	14.02 -0.13 -0.21	11.91 -0.11 -0.39	2.65 -0.04 -0.19	19.43 -0.24 0.00	17.43 -0.21 0.00
HQ_GEN_CEDARS_PROXY 323590	7.04 -0.03 0.00	6.95 -0.02 0.00	10.71 -0.03 -0.15	12.35 -0.03 0.00	15.05 -0.05 -0.26	16.47 -0.04 0.00	13.92 -0.10 0.00	16.71 -0.10 0.00	23.37 -0.07 0.08	18.09 -0.08 0.00	18.52 -0.13 -0.23	15.65 -0.14 0.00	14.10 -0.11 0.00	15.16 -0.11 0.00	12.97 -0.11 0.00	15.78 -0.13 0.00	4.60 -0.05 0.00	15.41 -0.15 0.00	7.63 -0.08 0.00	13.80 -0.13 0.00	11.52 -0.11 0.00	2.45 -0.04 0.00	19.43 -0.24 0.00	17.43 -0.21 0.00
HQ_GEN_IMPORT 323601	7.04 -0.04 0.00	6.93 -0.03 0.00	10.54 -0.05 0.00	12.31 -0.06 0.00	14.75 -0.08 0.00	16.56 -0.08 -0.13	13.90 -0.12 0.00	15.70 -0.14 0.97	23.38 -0.12 0.02	18.06 -0.11 0.00	18.30 -0.12 0.00	15.67 -0.11 0.00	14.12 -0.09 0.00	15.18 -0.09 0.00	12.99 -0.09 0.00	15.81 -0.11 0.00	4.61 -0.04 0.00	15.43 -0.14 0.00	7.63 -0.08 0.00	13.78 -0.15 0.00	11.50 -0.13 0.00	2.45 -0.03 0.00	19.47 -0.20 0.00	17.48 -0.16 0.00
HQ_GEN_WHEEL 23651	7.04 -0.04 0.00	6.93 -0.03 0.00	10.54 -0.05 0.00	12.31 -0.06 0.00	14.75 -0.08 0.00	16.56 -0.08 -0.13	13.90 -0.12 0.00	15.70 -0.14 0.97	23.38 -0.12 0.02	18.06 -0.11 0.00	18.30 -0.12 0.00	15.67 -0.11 0.00	14.12 -0.09 0.00	15.18 -0.09 0.00	12.99 -0.09 0.00	15.81 -0.11 0.00	4.61 -0.04 0.00	15.43 -0.14 0.00	7.63 -0.08 0.00	13.78 -0.15 0.00	11.50 -0.13 0.00	2.45 -0.03 0.00	19.47 -0.20 0.00	17.48 -0.16 0.00
HUDSON_AVE_GT_3 23810	19.54 0.44 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.82 0.64 -2.81	17.49 0.85 -1.80	21.28 0.95 -3.82	40.71 0.88 -25.81	38.73 1.08 -20.84	26.43 1.63 -1.28	20.43 1.35 -0.91	19.82 1.40 0.00	17.20 1.28 -0.13	15.70 1.16 -0.33	16.83 1.21 -0.35	14.54 1.04 -0.43	17.24 1.32 0.00	19.70 0.37 -14.69	19.23 1.23 -2.43	30.84 0.59 -22.55	39.10 1.00 -24.17	56.47 0.77 -44.07	24.50 0.17 -21.85	20.94 1.26 0.00	18.66 1.02 0.00
HUDSON_AVE_GT_4 23540	19.54 0.44 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.82 0.64 -2.81	17.49 0.85 -1.80	21.28 0.95 -3.82	40.71 0.88 -25.81	38.73 1.08 -20.84	26.43 1.63 -1.28	20.43 1.35 -0.91	19.82 1.40 0.00	17.20 1.28 -0.13	15.70 1.16 -0.33	16.83 1.21 -0.35	14.54 1.04 -0.43	17.24 1.32 0.00	19.70 0.37 -14.69	19.23 1.23 -2.43	30.84 0.59 -22.55	39.10 1.00 -24.17	56.47 0.77 -44.07	24.50 0.17 -21.85	20.94 1.26 0.00	18.66 1.02 0.00
HUDSON_AVE_GT_5 23657	19.54 0.44 -12.03	18.15 0.42 -10.77	15.68 0.59 -4.49	15.82 0.64 -2.81	17.49 0.85 -1.80	21.28 0.95 -3.82	40.71 0.88 -25.81	38.73 1.08 -20.84	26.43 1.63 -1.28	20.43 1.35 -0.91	19.82 1.40 0.00	17.20 1.28 -0.13	15.70 1.16 -0.33	16.83 1.21 -0.35	14.54 1.04 -0.43	17.24 1.32 0.00	19.70 0.37 -14.69	19.23 1.23 -2.43	30.84 0.59 -22.55	39.10 1.00 -24.17	56.47 0.77 -44.07	24.50 0.17 -21.85	20.94 1.26 0.00	18.66 1.02 0.00

HUDSON_AVE_10 24168	19.52 0.42 -12.02	18.08 0.40 -10.71	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.23 0.91 -3.81	40.70 0.84 -25.84	38.69 1.04 -20.84	26.35 1.55 -1.28	20.37 1.29 -0.91	19.73 1.33 0.01	17.15 1.23 -0.13	15.65 1.11 -0.33	16.78 1.16 -0.35	14.49 0.99 -0.43	17.18 1.26 0.00	19.68 0.35 -14.68	19.17 1.18 -2.43	30.81 0.56 -22.55	39.05 0.94 -24.18	56.43 0.73 -44.07	24.50 0.16 -21.85	20.89 1.21 0.00	18.61 0.97 0.00
HUDSON___115KV_TB 4 355613	21.79 0.20 -14.51	20.06 0.19 -12.90	16.34 0.32 -5.42	16.14 0.38 -3.39	17.45 0.44 -2.17	21.60 0.48 -4.61	45.74 0.41 -31.31	42.13 0.46 -24.86	25.57 0.52 -1.53	19.60 0.34 -1.09	18.71 0.29 0.00	16.25 0.31 -0.16	14.89 0.28 -0.40	15.99 0.31 -0.41	13.85 0.27 -0.51	16.22 0.30 0.00	22.49 0.10 -17.74	18.87 0.37 -2.94	35.15 0.20 -27.25	43.55 0.41 -29.21	65.24 0.37 -53.24	28.96 0.08 -26.40	20.28 0.60 0.00	18.11 0.47 0.00
HUNTER MOUNT___DRP 323613	21.30 0.21 -14.01	19.60 0.20 -12.44	16.17 0.34 -5.23	16.05 0.40 -3.27	17.40 0.47 -2.10	21.47 0.52 -4.44	44.42 0.45 -29.95	41.36 0.51 -24.05	25.55 0.55 -1.48	19.54 0.32 -1.05	18.68 0.27 0.00	16.21 0.27 -0.15	14.84 0.25 -0.38	15.95 0.28 -0.40	13.82 0.25 -0.49	16.20 0.28 0.00	21.87 0.10 -17.12	18.76 0.36 -2.84	34.21 0.20 -26.30	42.56 0.44 -28.19	63.43 0.41 -51.39	28.05 0.09 -25.47	20.36 0.68 0.00	18.16 0.52 0.00
HUNTINGTON_RES_REC 323705	19.68 0.57 -12.03	19.56 0.56 -12.04	15.90 0.81 -4.49	16.09 0.90 -2.81	17.80 1.16 -1.80	22.54 1.36 -4.68	41.05 1.22 -25.81	39.04 1.38 -20.85	28.85 2.16 -3.17	20.65 1.57 -0.91	22.86 1.56 -2.88	29.95 1.49 -12.67	15.80 1.25 -0.33	16.89 1.27 -0.35	14.58 1.08 -0.43	22.69 1.51 -5.26	60.78 0.45 -55.69	19.41 1.41 -2.43	30.98 0.71 -22.56	61.83 1.31 -46.59	56.65 0.93 -44.08	34.03 0.22 -31.32	21.30 1.62 0.00	18.92 1.28 0.00
HUNTLEY___63 23557	8.46 -0.41 -1.80	8.17 -0.45 -1.66	10.61 -0.65 -0.67	12.08 -0.71 -0.42	14.21 -0.89 -0.27	15.97 -1.11 -0.57	15.73 -0.82 -2.53	16.40 -1.07 -0.66	20.96 -1.69 0.87	17.06 -1.13 -0.02	17.38 -1.03 0.00	14.86 -0.93 0.00	13.42 -0.80 -0.01	14.47 -0.81 -0.01	12.41 -0.68 -0.02	15.18 -0.74 0.00	6.61 -0.22 -2.19	15.07 -0.85 -0.36	10.63 -0.44 -3.36	16.66 -0.78 -3.52	17.63 -0.57 -6.57	5.67 -0.07 -3.26	19.06 -0.61 0.00	17.46 -0.18 0.00
HUNTLEY___64 23558	8.46 -0.41 -1.80	8.17 -0.45 -1.66	10.61 -0.65 -0.67	12.08 -0.71 -0.42	14.21 -0.89 -0.27	15.97 -1.11 -0.57	15.73 -0.82 -2.53	16.40 -1.07 -0.66	20.96 -1.69 0.87	17.06 -1.13 -0.02	17.38 -1.03 0.00	14.86 -0.93 0.00	13.42 -0.80 -0.01	14.47 -0.81 -0.01	12.41 -0.68 -0.02	15.18 -0.74 0.00	6.61 -0.22 -2.19	15.07 -0.85 -0.36	10.63 -0.44 -3.36	16.66 -0.78 -3.52	17.63 -0.57 -6.57	5.67 -0.07 -3.26	19.06 -0.61 0.00	17.46 -0.18 0.00
HUNTLEY___65 23559	8.46 -0.41 -1.80	8.17 -0.45 -1.66	10.61 -0.65 -0.67	12.08 -0.71 -0.42	14.21 -0.89 -0.27	15.97 -1.11 -0.57	15.73 -0.82 -2.53	16.40 -1.07 -0.66	20.96 -1.69 0.87	17.06 -1.13 -0.02	17.38 -1.03 0.00	14.86 -0.93 0.00	13.42 -0.80 -0.01	14.47 -0.81 -0.01	12.41 -0.68 -0.02	15.18 -0.74 0.00	6.61 -0.22 -2.19	15.07 -0.85 -0.36	10.63 -0.44 -3.36	16.66 -0.78 -3.52	17.63 -0.57 -6.57	5.67 -0.07 -3.26	19.06 -0.61 0.00	17.46 -0.18 0.00
HUNTLEY___66 23560	8.46 -0.41 -1.80	8.17 -0.45 -1.66	10.61 -0.65 -0.67	12.08 -0.71 -0.42	14.21 -0.89 -0.27	15.97 -1.11 -0.57	15.73 -0.82 -2.53	16.40 -1.07 -0.66	20.96 -1.69 0.87	17.06 -1.13 -0.02	17.38 -1.03 0.00	14.86 -0.93 0.00	13.42 -0.80 -0.01	14.47 -0.81 -0.01	12.41 -0.68 -0.02	15.18 -0.74 0.00	6.61 -0.22 -2.19	15.07 -0.85 -0.36	10.63 -0.44 -3.36	16.66 -0.78 -3.52	17.63 -0.57 -6.57	5.67 -0.07 -3.26	19.06 -0.61 0.00	17.46 -0.18 0.00
HUNTLEY___67 23561	8.49 -0.41 -1.83	8.21 -0.46 -1.70	10.61 -0.66 -0.68	12.08 -0.72 -0.42	14.22 -0.89 -0.27	15.97 -1.12 -0.58	15.80 -0.84 -2.62	16.40 -1.08 -0.67	20.93 -1.72 0.87	17.03 -1.16 -0.02	17.36 -1.06 0.00	14.84 -0.95 0.00	13.42 -0.80 -0.01	14.46 -0.82 -0.01	12.39 -0.70 -0.02	15.14 -0.78 0.00	6.63 -0.24 -2.22	15.06 -0.87 -0.37	10.67 -0.45 -3.41	16.71 -0.80 -3.57	17.72 -0.59 -6.67	5.72 -0.08 -3.31	19.04 -0.64 0.00	17.42 -0.22 0.00
HUNTLEY___68 23562	8.49 -0.41 -1.83	8.21 -0.46 -1.70	10.61 -0.66 -0.68	12.08 -0.72 -0.42	14.22 -0.89 -0.27	15.97 -1.12 -0.58	15.80 -0.84 -2.62	16.40 -1.08 -0.67	20.93 -1.72 0.87	17.03 -1.16 -0.02	17.36 -1.06 0.00	14.84 -0.95 0.00	13.42 -0.80 -0.01	14.46 -0.82 -0.01	12.39 -0.70 -0.02	15.14 -0.78 0.00	6.63 -0.24 -2.22	15.06 -0.87 -0.37	10.67 -0.45 -3.41	16.71 -0.80 -3.57	17.72 -0.59 -6.67	5.72 -0.08 -3.31	19.04 -0.64 0.00	17.42 -0.22 0.00
HYLAND___LFGE 323620	9.09 0.06 -1.96	8.69 -0.02 -1.75	11.32 0.00 -0.73	12.87 0.04 -0.46	15.20 0.07 -0.29	17.27 0.14 -0.62	18.84 0.33 -4.49	17.71 0.17 -0.73	22.14 -0.52 0.86	17.82 -0.37 -0.02	18.11 -0.30 0.00	15.47 -0.32 -0.01	13.87 -0.35 -0.01	14.91 -0.37 -0.01	12.81 -0.29 -0.02	15.65 -0.27 0.00	6.97 -0.06 -2.39	15.73 -0.23 -0.40	11.30 -0.07 -3.67	18.08 0.18 -3.97	19.15 0.35 -7.16	6.15 0.11 -3.55	20.46 0.79 0.00	18.41 0.77 0.00
INDECK___CORINTH 23802	23.09 0.27 -15.74	21.29 0.23 -14.10	16.82 0.35 -5.87	16.48 0.43 -3.68	17.72 0.53 -2.35	22.16 0.66 -5.00	48.34 0.59 -33.73	44.28 0.68 -26.79	25.96 0.79 -1.65	19.93 0.59 -1.17	18.96 0.55 0.00	16.39 0.44 -0.17	15.02 0.38 -0.43	16.13 0.41 -0.45	13.99 0.36 -0.55	16.38 0.46 0.00	24.04 0.17 -19.22	19.38 0.63 -3.18	37.57 0.35 -29.52	46.24 0.67 -31.63	69.89 0.57 -57.68	31.20 0.11 -28.60	20.51 0.83 0.00	18.18 0.54 0.00
INDECK___ILION 23567	7.19 -0.04 -0.16	6.98 -0.04 -0.06	10.59 -0.07 -0.06	12.35 -0.07 -0.04	14.80 -0.07 -0.03	16.47 -0.09 -0.05	14.22 -0.07 -0.27	16.80 -0.10 -0.09	23.19 -0.23 0.09	17.97 -0.20 0.00	18.21 -0.20 0.00	15.62 -0.17 0.00	14.04 -0.17 0.00	15.09 -0.18 0.00	12.91 -0.16 0.00	15.71 -0.21 0.00	4.78 -0.06 -0.19	15.40 -0.20 -0.03	7.92 -0.07 -0.29	14.16 -0.09 -0.31	12.13 -0.07 -0.57	2.76 -0.01 -0.28	19.61 -0.07 0.00	17.59 -0.05 0.00
INDECK___OLEAN 23982	9.29 0.06 -2.15	8.93 0.03 -1.93	11.51 0.11 -0.80	13.27 0.41 -0.48	15.68 0.54 -0.30	17.71 0.56 -0.64	18.84 0.72 -4.10	18.46 0.90 -0.75	23.63 0.97 0.85	19.00 0.81 -0.02	19.38 0.96 0.00	16.42 0.63 -0.01	14.75 0.52 -0.01	15.87 0.58 -0.01	13.56 0.46 -0.02	16.54 0.62 0.00	7.28 0.17 -2.47	16.50 0.53 -0.41	11.78 0.29 -3.79	18.70 0.70 -4.06	19.81 0.77 -7.41	6.37 0.21 -3.67	21.26 1.58 0.00	19.28 1.63 0.00
INDECK___OSWEGO 23783	7.84 -0.26 -1.03	7.62 -0.27 -0.92	10.57 -0.41 -0.38	12.15 -0.47 -0.24	14.44 -0.55 -0.15	16.23 -0.61 -0.33	15.63 -0.46 -2.07	16.18 -0.63 0.00	21.66 -0.98 0.88	17.40 -0.76 0.01	17.67 -0.74 0.00	15.13 -0.66 0.00	13.61 -0.60 0.00	14.63 -0.65 0.00	12.55 -0.53 -0.01	15.31 -0.61 0.00	5.75 -0.17 -1.28	15.20 -0.58 -0.21	9.40 -0.26 -1.96	15.60 -0.43 -2.10	15.12 -0.34 -3.83	4.32 -0.07 -1.90	19.07 -0.60 0.00	17.12 -0.52 0.00



INDECK___YERKES 23781	8.46 -0.40 -1.79	8.12 -0.45 -1.60	10.63 -0.63 -0.67	12.09 -0.70 -0.42	14.23 -0.88 -0.27	15.98 -1.10 -0.57	15.87 -0.80 -2.65	16.43 -1.04 -0.66	20.99 -1.66 0.87	17.07 -1.11 -0.02	17.41 -1.01 0.00	14.88 -0.91 0.00	13.44 -0.79 -0.01	14.49 -0.79 -0.01	12.43 -0.67 -0.02	15.21 -0.72 0.00	6.61 -0.22 -2.19	15.09 -0.83 -0.36	10.64 -0.42 -3.36	16.69 -0.77 -3.52	17.66 -0.55 -6.57	5.68 -0.07 -3.26	19.10 -0.57 0.00	17.48 -0.16 0.00
INDIAN POINT_GT_1 24139	19.36 0.38 -11.90	17.98 0.36 -10.66	15.56 0.52 -4.44	15.73 0.58 -2.78	17.37 0.75 -1.78	21.14 0.85 -3.78	40.34 0.79 -25.53	38.42 0.97 -20.64	26.22 1.43 -1.27	20.22 1.15 -0.90	19.61 1.20 0.00	17.02 1.10 -0.13	15.52 0.98 -0.33	16.65 1.04 -0.34	14.39 0.89 -0.42	17.05 1.14 0.00	19.50 0.32 -14.53	19.05 1.08 -2.41	30.54 0.52 -22.31	38.74 0.90 -23.91	55.94 0.71 -43.60	24.25 0.15 -21.61	20.81 1.13 0.00	18.55 0.90 0.00
INDIAN POINT_GT_2 23659	19.36 0.38 -11.90	17.98 0.36 -10.66	15.56 0.52 -4.44	15.73 0.58 -2.78	17.37 0.75 -1.78	21.14 0.85 -3.78	40.34 0.79 -25.53	38.42 0.97 -20.64	26.22 1.43 -1.27	20.22 1.15 -0.90	19.61 1.20 0.00	17.02 1.10 -0.13	15.52 0.98 -0.33	16.65 1.04 -0.34	14.39 0.89 -0.42	17.05 1.14 0.00	19.50 0.32 -14.53	19.05 1.08 -2.41	30.54 0.52 -22.31	38.74 0.90 -23.91	55.94 0.71 -43.60	24.25 0.15 -21.61	20.81 1.13 0.00	18.55 0.90 0.00
INDIAN POINT_GT_3 24019	19.36 0.38 -11.90	17.98 0.36 -10.66	15.56 0.52 -4.44	15.73 0.58 -2.78	17.37 0.75 -1.78	21.14 0.85 -3.78	40.34 0.79 -25.53	38.42 0.97 -20.64	26.22 1.43 -1.27	20.22 1.15 -0.90	19.61 1.20 0.00	17.02 1.10 -0.13	15.52 0.98 -0.33	16.65 1.04 -0.34	14.39 0.89 -0.42	17.05 1.14 0.00	19.50 0.32 -14.53	19.05 1.08 -2.41	30.54 0.52 -22.31	38.74 0.90 -23.91	55.94 0.71 -43.60	24.25 0.15 -21.61	20.81 1.13 0.00	18.55 0.90 0.00
INDIAN POINT___2 23530	19.18 0.38 -11.73	17.83 0.36 -10.50	15.49 0.52 -4.38	15.69 0.58 -2.74	17.35 0.75 -1.75	21.08 0.85 -3.72	39.97 0.79 -25.16	38.14 0.98 -20.35	26.20 1.43 -1.25	20.22 1.15 -0.89	19.61 1.20 0.00	17.02 1.10 -0.13	15.52 0.98 -0.32	16.65 1.04 -0.34	14.39 0.90 -0.42	17.05 1.13 0.00	19.28 0.32 -14.32	19.02 1.08 -2.37	30.21 0.52 -21.98	38.39 0.90 -23.56	55.30 0.71 -42.96	23.94 0.15 -21.30	20.81 1.13 0.00	18.55 0.91 0.00
INDIAN POINT___3 23531	19.35 0.38 -11.90	17.93 0.36 -10.61	15.56 0.52 -4.44	15.73 0.57 -2.78	17.36 0.74 -1.78	21.13 0.85 -3.77	40.38 0.78 -25.59	38.42 0.96 -20.65	26.21 1.42 -1.27	20.22 1.14 -0.90	19.60 1.18 0.00	17.01 1.09 -0.13	15.51 0.97 -0.33	16.64 1.03 -0.34	14.38 0.89 -0.42	17.04 1.12 0.00	19.50 0.32 -14.54	19.04 1.07 -2.41	30.55 0.52 -22.32	38.75 0.89 -23.93	55.96 0.70 -43.63	24.27 0.15 -21.63	20.79 1.12 0.00	18.54 0.90 0.00
INGHAM_C_115KV_TB7 356103	7.11 -0.12 -0.16	6.91 -0.11 -0.06	10.48 -0.18 -0.06	12.23 -0.19 -0.04	14.67 -0.19 -0.03	16.31 -0.25 -0.05	14.06 -0.23 -0.27	16.58 -0.31 -0.09	22.76 -0.66 0.09	17.62 -0.55 0.00	17.85 -0.56 0.00	15.32 -0.46 0.00	13.76 -0.46 0.00	14.78 -0.49 0.00	12.65 -0.43 0.00	15.36 -0.56 0.00	4.67 -0.16 -0.19	15.05 -0.55 -0.03	7.77 -0.22 -0.29	13.94 -0.31 -0.31	11.96 -0.24 -0.57	2.73 -0.03 -0.28	19.43 -0.25 0.00	17.45 -0.19 0.00
IP CORINTH___1 23988	23.09 0.27 -15.75	21.32 0.23 -14.13	16.82 0.35 -5.87	16.48 0.43 -3.68	17.72 0.53 -2.35	22.17 0.65 -5.00	48.54 0.59 -33.92	44.28 0.68 -26.79	25.96 0.79 -1.65	19.93 0.59 -1.17	18.96 0.55 0.00	16.39 0.44 -0.17	15.02 0.38 -0.43	16.13 0.41 -0.45	13.99 0.36 -0.55	16.38 0.46 0.00	24.04 0.17 -19.22	19.38 0.63 -3.18	37.57 0.35 -29.52	46.25 0.67 -31.64	69.89 0.57 -57.68	31.20 0.11 -28.60	20.51 0.83 0.00	18.18 0.54 0.00
IP___TICONDEROGA 23804	23.39 0.60 -15.72	21.60 0.53 -14.10	17.29 0.83 -5.87	17.09 1.04 -3.67	18.48 1.29 -2.35	23.01 1.50 -5.00	49.12 1.23 -33.87	44.90 1.35 -26.75	26.71 1.55 -1.65	20.51 1.17 -1.17	19.53 1.12 0.00	16.83 0.87 -0.17	15.40 0.76 -0.43	16.54 0.82 -0.45	14.34 0.72 -0.55	16.84 0.92 0.00	24.21 0.38 -19.19	20.10 1.35 -3.18	37.90 0.73 -29.47	46.94 1.41 -31.59	70.41 1.19 -57.58	31.26 0.22 -28.55	21.47 1.80 0.00	18.87 1.23 0.00
ISLIP_RES_REC 323679	19.77 0.67 -12.03	19.65 0.65 -12.04	16.03 0.95 -4.49	16.25 1.07 -2.81	18.00 1.36 -1.80	22.77 1.59 -4.68	41.27 1.44 -25.81	39.32 1.66 -20.85	29.27 2.58 -3.17	20.91 1.83 -0.91	23.10 1.80 -2.88	30.15 1.69 -12.67	15.97 1.42 -0.33	17.06 1.44 -0.35	14.72 1.22 -0.43	22.88 1.71 -5.26	60.84 0.51 -55.69	19.62 1.63 -2.43	31.09 0.83 -22.56	62.04 1.51 -46.59	56.82 1.11 -44.08	34.07 0.26 -31.32	21.59 1.92 0.00	19.15 1.51 0.00
JAMAICA___27_KV_LOAD 355505	19.55 0.45 -12.02	18.11 0.43 -10.71	15.71 0.63 -4.49	15.87 0.69 -2.81	17.54 0.91 -1.80	21.30 0.98 -3.81	40.76 0.90 -25.84	38.76 1.11 -20.84	26.44 1.64 -1.28	20.45 1.37 -0.91	19.77 1.36 0.01	17.21 1.29 -0.13	15.71 1.16 -0.33	16.83 1.21 -0.35	14.54 1.04 -0.43	17.23 1.32 0.00	19.70 0.37 -14.68	19.23 1.23 -2.43	30.84 0.58 -22.55	39.09 0.98 -24.18	56.47 0.77 -44.07	24.51 0.18 -21.85	21.02 1.34 0.00	18.72 1.08 0.00
JANIS___SOLAR 323808	10.15 0.22 -2.86	9.73 0.20 -2.56	11.98 0.32 -1.07	13.41 0.37 -0.67	15.75 0.48 -0.43	18.03 0.61 -0.91	21.36 0.63 -6.72	19.39 0.56 -2.02	23.28 0.38 0.62	18.35 0.10 -0.08	18.45 0.04 0.00	15.74 -0.06 -0.01	14.18 -0.07 -0.03	15.22 -0.08 -0.03	13.13 0.01 -0.05	15.97 0.05 0.00	8.18 0.04 -3.50	16.49 0.34 -0.58	13.32 0.25 -5.37	20.36 0.62 -5.82	22.66 0.54 -10.49	7.81 0.12 -5.20	20.55 0.87 0.00	18.44 0.80 0.00
JARVIS____ 23743	7.05 -0.02 0.00	6.94 -0.02 0.00	10.56 -0.03 0.00	12.34 -0.04 0.00	14.80 -0.04 0.00	16.46 -0.05 0.00	14.00 -0.02 0.00	16.79 -0.02 0.00	23.37 -0.05 0.10	18.13 -0.04 0.00	18.38 -0.04 0.00	15.75 -0.03 0.00	14.18 -0.03 0.00	15.23 -0.05 0.00	13.05 -0.03 0.00	15.88 -0.04 0.00	4.63 -0.01 0.00	15.53 -0.03 0.00	7.70 -0.01 0.00	13.92 -0.01 0.00	11.62 -0.01 0.00	2.49 0.00 0.00	19.65 -0.02 0.00	17.61 -0.03 0.00
JENNISON___1 23625	10.99 0.28 -3.64	11.09 0.28 -3.85	12.33 0.42 -1.32	13.68 0.48 -0.83	15.99 0.62 -0.53	18.39 0.75 -1.14	23.31 0.74 -8.55	21.10 0.75 -3.55	23.93 0.79 0.38	18.83 0.51 -0.15	18.95 0.53 0.00	16.19 0.38 -0.02	14.61 0.34 -0.06	15.68 0.35 -0.06	13.53 0.37 -0.08	16.38 0.46 0.00	9.14 0.16 -4.33	16.89 0.62 -0.72	14.70 0.36 -6.64	21.84 0.75 -7.16	25.23 0.61 -12.98	9.06 0.14 -6.43	20.69 1.01 0.00	18.54 0.90 0.00
JENNISON___2 23626	10.99 0.28 -3.64	11.09 0.28 -3.85	12.33 0.42 -1.32	13.68 0.48 -0.83	15.99 0.62 -0.53	18.39 0.75 -1.14	23.31 0.74 -8.55	21.10 0.75 -3.55	23.93 0.79 0.38	18.83 0.51 -0.15	18.95 0.53 0.00	16.19 0.38 -0.02	14.61 0.34 -0.06	15.68 0.35 -0.06	13.53 0.37 -0.08	16.38 0.46 0.00	9.14 0.16 -4.33	16.89 0.62 -0.72	14.70 0.36 -6.64	21.84 0.75 -7.16	25.23 0.61 -12.98	9.06 0.14 -6.43	20.69 1.01 0.00	18.54 0.90 0.00

JERICO_RISE_WT_PWR 323719	7.23 0.15 0.00	7.09 0.13 0.00	10.77 0.18 0.00	12.60 0.22 0.00	15.13 0.29 0.00	16.92 0.41 0.00	14.34 0.32 0.00	17.16 0.35 0.00	24.09 0.63 0.06	18.55 0.38 0.00	18.71 0.30 0.00	15.98 0.20 0.00	14.43 0.22 0.00	15.51 0.24 0.00	13.25 0.18 0.00	16.09 0.17 0.00	4.71 0.06 0.00	15.65 0.09 0.00	7.78 0.07 0.00	14.13 0.20 0.00	11.77 0.13 0.00	2.49 0.00 0.00	19.72 0.04 0.00	17.66 0.02 0.00
KATONAH__115KV_46KV_TB4 355592	19.66 0.41 -12.18	18.20 0.38 -10.85	15.70 0.56 -4.55	15.83 0.62 -2.85	17.46 0.80 -1.82	21.28 0.91 -3.86	41.03 0.85 -26.16	38.94 1.04 -21.09	26.35 1.53 -1.30	20.32 1.23 -0.92	19.68 1.27 0.00	17.08 1.16 -0.13	15.58 1.03 -0.34	16.72 1.10 -0.35	14.45 0.95 -0.43	17.11 1.19 0.00	19.86 0.34 -14.87	19.17 1.14 -2.46	31.10 0.56 -22.84	39.39 0.96 -24.49	57.03 0.76 -44.63	24.78 0.16 -22.13	20.88 1.21 0.00	18.60 0.96 0.00
KCE_NY_1 323755	23.07 0.32 -15.68	21.29 0.29 -14.04	16.89 0.44 -5.85	16.56 0.53 -3.66	17.83 0.65 -2.34	22.24 0.75 -4.98	48.29 0.66 -33.60	44.25 0.75 -26.70	26.09 0.92 -1.64	20.05 0.71 -1.17	19.11 0.70 0.00	16.52 0.56 -0.17	15.16 0.52 -0.43	16.26 0.55 -0.44	14.10 0.48 -0.55	16.51 0.59 0.00	23.98 0.19 -19.15	19.43 0.70 -3.17	37.48 0.37 -29.40	46.14 0.70 -31.51	69.67 0.58 -57.45	31.09 0.12 -28.48	20.56 0.89 0.00	18.32 0.68 0.00
KCE_NY_6_ESR 323823	8.67 -0.29 -1.89	8.31 -0.35 -1.69	10.82 -0.47 -0.70	12.30 -0.51 -0.44	14.50 -0.62 -0.28	16.27 -0.84 -0.60	16.34 -0.58 -2.91	16.76 -0.75 -0.70	21.39 -1.26 0.87	17.38 -0.81 -0.02	17.72 -0.69 0.00	15.14 -0.65 0.00	13.66 -0.56 -0.01	14.73 -0.56 -0.01	12.63 -0.47 -0.02	15.43 -0.49 0.00	6.80 -0.15 -2.31	15.35 -0.59 -0.38	10.94 -0.31 -3.54	17.13 -0.53 -3.73	18.21 -0.35 -6.93	5.90 -0.03 -3.43	19.43 -0.24 0.00	17.74 0.10 0.00
KEDC_PORT_JEFF_GT2 24210	19.72 0.62 -12.03	19.61 0.61 -12.04	15.97 0.89 -4.49	16.18 0.99 -2.81	17.91 1.27 -1.80	22.66 1.47 -4.68	41.16 1.33 -25.81	39.18 1.53 -20.85	29.06 2.37 -3.17	20.76 1.67 -0.91	22.95 1.66 -2.88	30.03 1.57 -12.67	15.87 1.32 -0.33	16.95 1.33 -0.35	14.63 1.13 -0.43	22.76 1.59 -5.26	60.80 0.47 -55.69	19.49 1.50 -2.43	31.02 0.76 -22.56	61.91 1.39 -46.59	56.69 0.98 -44.08	34.04 0.24 -31.32	21.43 1.76 0.00	19.03 1.39 0.00
KEDC_PORT_JEFF_GT3 24211	19.72 0.62 -12.03	19.61 0.61 -12.04	15.97 0.89 -4.49	16.18 0.99 -2.81	17.91 1.27 -1.80	22.66 1.47 -4.68	41.16 1.33 -25.81	39.18 1.53 -20.85	29.06 2.37 -3.17	20.76 1.67 -0.91	22.95 1.66 -2.88	30.03 1.57 -12.67	15.87 1.32 -0.33	16.95 1.33 -0.35	14.63 1.13 -0.43	22.76 1.59 -5.26	60.80 0.47 -55.69	19.49 1.50 -2.43	31.02 0.76 -22.56	61.91 1.39 -46.59	56.69 0.98 -44.08	34.04 0.24 -31.32	21.43 1.76 0.00	19.03 1.39 0.00
KEDC_GLWD_GT4 24219	19.60 0.50 -12.03	19.31 0.48 -11.87	15.78 0.69 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.20 1.12 -4.56	40.86 1.02 -25.81	38.88 1.22 -20.85	28.55 1.86 -3.17	20.53 1.45 -0.91	22.82 1.53 -2.88	29.87 1.41 -12.67	15.78 1.24 -0.33	16.92 1.31 -0.35	14.61 1.11 -0.43	22.63 1.45 -5.26	60.75 0.41 -55.69	19.33 1.33 -2.43	30.92 0.66 -22.56	61.68 1.15 -46.59	56.59 0.88 -44.08	34.00 0.19 -31.32	21.10 1.43 0.00	18.80 1.16 0.00
KEDC_GLWD_GT5 24220	19.60 0.50 -12.03	19.31 0.48 -11.87	15.78 0.69 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.20 1.12 -4.56	40.86 1.02 -25.81	38.88 1.22 -20.85	28.55 1.86 -3.17	20.53 1.45 -0.91	22.82 1.53 -2.88	29.87 1.41 -12.67	15.78 1.24 -0.33	16.92 1.31 -0.35	14.61 1.11 -0.43	22.63 1.45 -5.26	60.75 0.41 -55.69	19.33 1.33 -2.43	30.92 0.66 -22.56	61.68 1.15 -46.59	56.59 0.88 -44.08	34.00 0.19 -31.32	21.10 1.43 0.00	18.80 1.16 0.00
KENSICO____ 23655	19.46 0.40 -11.99	18.03 0.37 -10.69	15.62 0.54 -4.48	15.78 0.60 -2.80	17.41 0.78 -1.79	21.20 0.88 -3.80	40.62 0.81 -25.79	38.61 1.00 -20.80	26.28 1.48 -1.28	20.28 1.20 -0.91	19.66 1.25 0.00	17.07 1.15 -0.13	15.56 1.02 -0.33	16.69 1.08 -0.35	14.43 0.93 -0.43	17.09 1.17 0.00	19.63 0.33 -14.66	19.10 1.11 -2.43	30.75 0.54 -22.51	38.98 0.92 -24.13	56.34 0.73 -43.98	24.45 0.15 -21.80	20.84 1.16 0.00	18.57 0.93 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	18.04 0.45 -10.51	16.63 0.45 -9.21	15.18 0.66 -3.93	15.56 0.73 -2.46	17.37 0.95 -1.58	20.89 1.06 -3.32	38.56 0.95 -23.59	36.42 1.19 -18.42	26.33 1.68 -1.13	20.27 1.30 -0.81	19.74 1.32 0.00	17.08 1.17 -0.12	15.56 1.06 -0.29	16.68 1.10 -0.31	14.29 0.84 -0.38	16.98 1.06 0.00	17.82 0.31 -12.87	18.77 1.07 -2.13	28.02 0.55 -19.76	36.11 1.00 -21.19	51.14 0.90 -38.61	21.82 0.19 -19.14	21.12 1.44 0.00	18.89 1.25 0.00
KIAC_JFK_GT1 23816	19.52 0.42 -12.03	18.13 0.39 -10.77	15.65 0.57 -4.49	15.81 0.62 -2.81	17.47 0.83 -1.80	21.20 0.87 -3.82	40.61 0.78 -25.81	38.63 0.98 -20.84	26.25 1.45 -1.28	20.30 1.22 -0.91	19.61 1.21 0.01	17.08 1.16 -0.13	15.59 1.04 -0.33	16.70 1.08 -0.35	14.43 0.93 -0.43	17.10 1.18 0.00	19.66 0.33 -14.68	19.09 1.10 -2.43	30.77 0.51 -22.55	38.96 0.85 -24.17	56.37 0.67 -44.07	24.49 0.16 -21.85	20.90 1.22 0.00	18.61 0.97 0.00
KIAC_JFK_GT2 23817	19.52 0.42 -12.03	18.13 0.39 -10.77	15.65 0.57 -4.49	15.81 0.62 -2.81	17.47 0.83 -1.80	21.20 0.87 -3.82	40.61 0.78 -25.81	38.63 0.98 -20.84	26.25 1.45 -1.28	20.30 1.22 -0.91	19.61 1.21 0.01	17.08 1.16 -0.13	15.59 1.04 -0.33	16.70 1.08 -0.35	14.43 0.93 -0.43	17.10 1.18 0.00	19.66 0.33 -14.68	19.09 1.10 -2.43	30.77 0.51 -22.55	38.96 0.85 -24.17	56.37 0.67 -44.07	24.49 0.16 -21.85	20.90 1.22 0.00	18.61 0.97 0.00
KIAC_JFK____ 323774	19.52 0.42 -12.03	18.13 0.39 -10.77	15.65 0.57 -4.49	15.81 0.62 -2.81	17.47 0.83 -1.80	21.20 0.87 -3.82	40.61 0.78 -25.81	38.63 0.98 -20.84	26.25 1.45 -1.28	20.30 1.22 -0.91	19.61 1.21 0.01	17.08 1.16 -0.13	15.59 1.04 -0.33	16.70 1.08 -0.35	14.43 0.93 -0.43	17.10 1.18 0.00	19.66 0.33 -14.68	19.09 1.10 -2.43	30.77 0.51 -22.55	38.96 0.85 -24.17	56.37 0.67 -44.07	24.49 0.16 -21.85	20.90 1.22 0.00	18.61 0.97 0.00
KINTIGH____ 23543	8.28 -0.41 -1.61	8.00 -0.45 -1.48	10.54 -0.65 -0.60	12.02 -0.72 -0.37	14.20 -0.88 -0.24	15.94 -1.08 -0.51	15.28 -0.81 -2.08	16.34 -1.06 -0.60	20.96 -1.67 0.88	17.02 -1.16 -0.01	17.33 -1.08 0.00	14.82 -0.97 0.00	13.40 -0.82 -0.01	14.42 -0.86 -0.01	12.37 -0.72 -0.02	15.08 -0.83 0.00	6.36 -0.25 -1.96	15.02 -0.87 -0.33	10.29 -0.44 -3.02	16.28 -0.79 -3.14	16.93 -0.60 -5.90	5.33 -0.09 -2.92	18.94 -0.74 0.00	17.27 -0.37 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	7.50 0.34 -0.08	7.31 0.28 -0.06	11.04 0.42 -0.03	12.90 0.51 -0.02	15.51 0.66 -0.01	17.41 0.87 -0.03	14.90 0.75 -0.14	17.63 0.80 -0.03	24.77 1.31 0.06	18.91 0.74 0.00	19.13 0.71 0.00	16.35 0.57 0.00	14.77 0.55 0.00	15.84 0.57 0.00	13.55 0.47 0.00	16.44 0.52 0.00	4.92 0.18 -0.09	16.02 0.44 -0.02	8.14 0.28 -0.15	14.74 0.64 -0.16	12.45 0.53 -0.29	2.71 0.08 -0.14	20.32 0.64 0.00	18.09 0.45 0.00

LACHUTE___HYDRO 323717	23.39 0.60 -15.72	21.57 0.54 -14.07	17.29 0.83 -5.87	17.09 1.04 -3.67	18.48 1.29 -2.35	23.00 1.50 -4.99	48.93 1.23 -33.68	44.90 1.35 -26.75	26.71 1.55 -1.65	20.51 1.17 -1.17	19.53 1.11 0.00	16.83 0.87 -0.17	15.40 0.76 -0.43	16.54 0.82 -0.45	14.34 0.72 -0.55	16.84 0.92 0.00	24.21 0.38 -19.19	20.10 1.35 -3.18	37.90 0.73 -29.47	46.93 1.41 -31.58	70.41 1.19 -57.58	31.26 0.22 -28.55	21.47 1.80 0.00	18.87 1.23 0.00
LAWRNCV_115KV_TB1 80681	7.08 -0.17 -0.17	6.95 -0.15 -0.14	10.42 -0.23 -0.07	12.16 -0.25 -0.04	14.55 -0.32 -0.03	16.24 -0.32 -0.06	14.01 -0.33 -0.32	16.50 -0.37 -0.07	22.93 -0.47 0.12	17.76 -0.42 0.00	17.93 -0.48 0.00	15.32 -0.46 0.00	13.81 -0.41 0.00	14.84 -0.44 0.00	12.69 -0.39 0.00	15.45 -0.47 0.00	4.71 -0.14 -0.21	15.12 -0.48 -0.03	7.80 -0.22 -0.32	13.91 -0.36 -0.34	11.96 -0.29 -0.62	2.71 -0.09 -0.31	19.04 -0.64 0.00	17.06 -0.58 0.00
LEDERLE___ 23769	19.01 0.41 -11.53	17.66 0.39 -10.30	15.46 0.57 -4.30	15.69 0.63 -2.69	17.38 0.82 -1.72	21.09 0.92 -3.66	39.73 0.85 -24.86	37.90 1.06 -20.03	26.29 1.55 -1.23	20.28 1.24 -0.88	19.70 1.29 0.00	17.10 1.18 -0.13	15.58 1.05 -0.32	16.72 1.11 -0.33	14.45 0.96 -0.41	17.13 1.21 0.00	19.07 0.35 -14.07	19.07 1.17 -2.33	29.89 0.57 -21.61	38.08 0.98 -23.16	54.64 0.78 -42.23	23.59 0.16 -20.94	20.91 1.24 0.00	18.65 1.01 0.00
LIGHTHSE_115KV_TB6 355974	7.79 -0.22 -0.93	7.57 -0.23 -0.83	10.60 -0.34 -0.35	12.22 -0.37 -0.22	14.55 -0.43 -0.14	16.34 -0.47 -0.30	15.54 -0.34 -1.86	16.65 -0.51 -0.35	21.92 -0.84 0.76	17.46 -0.71 -0.01	17.68 -0.73 0.00	15.12 -0.67 0.00	13.61 -0.61 -0.01	14.61 -0.66 -0.01	12.52 -0.56 -0.01	15.24 -0.68 0.00	5.59 -0.20 -1.15	15.09 -0.66 -0.19	9.21 -0.26 -1.76	15.49 -0.34 -1.90	14.84 -0.24 -3.45	4.14 -0.06 -1.71	19.10 -0.57 0.00	17.10 -0.54 0.00
LINDEN COGEN___ 23786	19.49 0.39 -12.03	18.10 0.37 -10.77	15.60 0.52 -4.49	15.75 0.57 -2.81	17.39 0.76 -1.80	21.17 0.84 -3.82	40.60 0.77 -25.81	38.60 0.95 -20.84	26.25 1.45 -1.28	20.29 1.21 -0.91	19.67 1.26 0.00	17.11 1.19 -0.13	15.62 1.07 -0.33	16.72 1.11 -0.35	14.44 0.94 -0.43	17.11 1.19 0.00	19.67 0.34 -14.69	19.11 1.11 -2.43	30.78 0.52 -22.55	38.98 0.88 -24.17	56.38 0.68 -44.07	24.48 0.15 -21.85	20.78 1.10 0.00	18.54 0.89 0.00
LINDHRST_69_KV_BK1 356055	19.71 0.61 -12.02	19.65 0.59 -12.09	15.94 0.86 -4.49	16.14 0.96 -2.81	17.87 1.23 -1.80	22.56 1.40 -4.65	41.11 1.25 -25.84	39.12 1.46 -20.85	28.98 2.29 -3.17	20.76 1.68 -0.91	22.99 1.70 -2.88	30.05 1.59 -12.67	15.91 1.37 -0.33	17.02 1.41 -0.35	14.68 1.18 -0.43	22.78 1.60 -5.26	60.80 0.47 -55.69	19.47 1.47 -2.43	31.01 0.75 -22.56	61.88 1.35 -46.60	56.72 1.00 -44.08	34.04 0.24 -31.32	21.42 1.74 0.00	19.04 1.40 0.00
LIPA_MISC_IPP 23656	19.70 0.60 -12.02	19.65 0.60 -12.08	15.96 0.88 -4.49	16.16 0.98 -2.81	17.90 1.26 -1.80	22.63 1.45 -4.67	41.16 1.30 -25.84	39.14 1.49 -20.85	29.00 2.30 -3.17	20.65 1.56 -0.91	22.84 1.55 -2.88	29.93 1.47 -12.67	15.78 1.23 -0.33	16.85 1.23 -0.35	14.54 1.04 -0.43	22.65 1.47 -5.26	60.78 0.45 -55.69	19.41 1.41 -2.43	30.98 0.72 -22.56	61.87 1.34 -46.60	56.67 0.96 -44.08	34.03 0.23 -31.32	21.36 1.69 0.00	19.00 1.36 0.00
LISF___SOLAR 323691	19.71 0.61 -12.03	19.62 0.61 -12.04	15.98 0.90 -4.49	16.19 1.01 -2.81	17.92 1.29 -1.80	22.65 1.47 -4.68	41.15 1.32 -25.81	39.16 1.51 -20.85	29.02 2.33 -3.17	20.65 1.57 -0.91	22.83 1.54 -2.88	29.93 1.47 -12.67	15.77 1.23 -0.33	16.84 1.23 -0.35	14.53 1.03 -0.43	22.65 1.47 -5.26	60.78 0.45 -55.69	19.42 1.42 -2.43	30.99 0.73 -22.56	61.88 1.36 -46.59	56.68 0.97 -44.08	34.04 0.24 -31.32	21.38 1.71 0.00	19.03 1.39 0.00
LITTLE FALLS___HYD 24013	7.11 -0.12 -0.16	6.91 -0.11 -0.06	10.48 -0.18 -0.06	12.23 -0.19 -0.04	14.67 -0.19 -0.03	16.31 -0.25 -0.05	14.06 -0.23 -0.27	16.58 -0.31 -0.09	22.76 -0.66 0.09	17.62 -0.55 0.00	17.85 -0.56 0.00	15.32 -0.46 0.00	13.76 -0.46 0.00	14.78 -0.49 0.00	12.65 -0.43 0.00	15.36 -0.56 0.00	4.67 -0.16 -0.19	15.05 -0.55 -0.03	7.77 -0.22 -0.29	13.94 -0.31 -0.31	11.96 -0.24 -0.57	2.73 -0.03 -0.28	19.43 -0.25 0.00	17.45 -0.19 0.00
LITTLRIV_115KV_TB1 356100	7.15 -0.11 -0.18	7.03 -0.09 -0.15	10.53 -0.13 -0.07	12.28 -0.13 -0.04	14.69 -0.17 -0.03	16.41 -0.16 -0.06	14.16 -0.20 -0.34	16.64 -0.24 -0.07	23.09 -0.30 0.13	17.90 -0.28 0.00	18.07 -0.34 0.00	15.44 -0.30 0.00	13.91 -0.30 0.00	14.95 -0.33 0.00	12.78 -0.30 0.00	15.57 -0.35 0.00	4.75 -0.11 -0.22	15.24 -0.36 -0.04	7.88 -0.16 -0.34	14.06 -0.23 -0.36	12.11 -0.18 -0.65	2.75 -0.06 -0.32	19.23 -0.45 0.00	17.26 -0.38 0.00
LI_NEWBRDGE___DRP 323616	19.60 0.50 -12.02	19.53 0.49 -12.07	15.79 0.71 -4.49	15.96 0.78 -2.81	17.64 1.01 -1.80	22.34 1.15 -4.68	40.89 1.03 -25.84	38.84 1.18 -20.85	28.55 1.86 -3.17	20.47 1.39 -0.91	22.74 1.44 -2.88	29.82 1.36 -12.67	15.73 1.18 -0.33	16.83 1.21 -0.35	14.53 1.02 -0.43	22.57 1.39 -5.26	60.73 0.40 -55.69	19.24 1.24 -2.43	30.89 0.62 -22.56	61.64 1.11 -46.60	56.52 0.81 -44.08	33.99 0.19 -31.32	21.07 1.39 0.00	18.76 1.12 0.00
LOCKPORT_115KV_TB60_63_64 80432	8.32 -0.48 -1.73	8.02 -0.53 -1.59	10.47 -0.77 -0.64	11.91 -0.86 -0.40	14.03 -1.06 -0.26	15.76 -1.30 -0.55	15.38 -0.95 -2.31	16.19 -1.25 -0.64	20.68 -1.97 0.88	16.82 -1.37 -0.02	17.13 -1.28 0.00	14.65 -1.14 0.00	13.25 -0.97 -0.01	14.31 -0.97 -0.01	12.25 -0.84 -0.02	15.05 -0.86 0.00	6.48 -0.28 -2.11	14.87 -1.04 -0.35	10.41 -0.53 -3.24	16.36 -0.95 -3.37	17.25 -0.71 -6.33	5.53 -0.10 -3.14	18.83 -0.84 0.00	17.26 -0.38 0.00
LOCKPORT___CC1 323769	8.34 -0.47 -1.73	7.99 -0.52 -1.55	10.49 -0.75 -0.65	11.93 -0.84 -0.41	14.06 -1.04 -0.26	15.77 -1.29 -0.55	15.55 -0.93 -2.46	16.22 -1.23 -0.65	20.70 -1.94 0.88	16.85 -1.34 -0.02	17.16 -1.25 0.00	14.68 -1.11 0.00	13.27 -0.95 -0.01	14.34 -0.94 -0.01	12.27 -0.82 -0.02	15.06 -0.86 0.00	6.49 -0.27 -2.12	14.90 -1.02 -0.35	10.45 -0.52 -3.26	16.42 -0.93 -3.41	17.32 -0.68 -6.37	5.55 -0.09 -3.16	18.88 -0.80 0.00	17.28 -0.37 0.00
LOCKPORT___CC2 323770	8.34 -0.47 -1.73	7.99 -0.52 -1.55	10.49 -0.75 -0.65	11.93 -0.84 -0.41	14.06 -1.04 -0.26	15.77 -1.29 -0.55	15.55 -0.93 -2.46	16.22 -1.23 -0.65	20.70 -1.94 0.88	16.85 -1.34 -0.02	17.16 -1.25 0.00	14.68 -1.11 0.00	13.27 -0.95 -0.01	14.34 -0.94 -0.01	12.27 -0.82 -0.02	15.06 -0.86 0.00	6.49 -0.27 -2.12	14.90 -1.02 -0.35	10.45 -0.52 -3.26	16.42 -0.93 -3.41	17.32 -0.68 -6.37	5.55 -0.09 -3.16	18.88 -0.80 0.00	17.28 -0.37 0.00
LOCKPORT___CC3 323771	8.34 -0.47 -1.73	7.99 -0.52 -1.55	10.49 -0.75 -0.65	11.93 -0.84 -0.41	14.06 -1.04 -0.26	15.77 -1.29 -0.55	15.55 -0.93 -2.46	16.22 -1.23 -0.65	20.70 -1.94 0.88	16.85 -1.34 -0.02	17.16 -1.25 0.00	14.68 -1.11 0.00	13.27 -0.95 -0.01	14.34 -0.94 -0.01	12.27 -0.82 -0.02	15.06 -0.86 0.00	6.49 -0.27 -2.12	14.90 -1.02 -0.35	10.45 -0.52 -3.26	16.42 -0.93 -3.41	17.32 -0.68 -6.37	5.55 -0.09 -3.16	18.88 -0.80 0.00	17.28 -0.37 0.00

LONG_LAKE_PHOENIX 24014	7.89 -0.24 -1.05	7.66 -0.25 -0.95	10.61 -0.37 -0.39	12.19 -0.43 -0.25	14.49 -0.51 -0.16	16.30 -0.54 -0.33	15.74 -0.39 -2.11	16.65 -0.55 -0.40	21.77 -0.88 0.87	17.50 -0.67 -0.01	17.74 -0.67 0.00	15.20 -0.59 0.00	13.69 -0.53 -0.01	14.71 -0.57 -0.01	12.62 -0.46 -0.01	15.39 -0.53 0.00	5.80 -0.14 -1.30	15.29 -0.49 -0.22	9.48 -0.22 -2.00	15.71 -0.37 -2.15	15.25 -0.29 -3.90	4.37 -0.06 -1.94	19.16 -0.52 0.00	17.21 -0.44 0.00
LOVETT___3 23632	19.04 0.38 -11.59	17.67 0.36 -10.34	15.44 0.52 -4.32	15.66 0.58 -2.71	17.32 0.75 -1.73	21.03 0.85 -3.68	39.77 0.78 -24.97	37.91 0.98 -20.13	26.18 1.43 -1.24	20.20 1.14 -0.88	19.61 1.19 0.00	17.02 1.10 -0.13	15.51 0.98 -0.32	16.64 1.04 -0.33	14.38 0.89 -0.41	17.04 1.12 0.00	19.11 0.32 -14.15	18.99 1.08 -2.34	29.96 0.52 -21.73	38.12 0.90 -23.29	54.80 0.71 -42.46	23.69 0.15 -21.05	20.81 1.13 0.00	18.56 0.91 0.00
LOVETT___4 23642	19.04 0.38 -11.59	17.67 0.36 -10.34	15.44 0.52 -4.32	15.66 0.58 -2.71	17.32 0.75 -1.73	21.03 0.85 -3.68	39.77 0.78 -24.97	37.91 0.98 -20.13	26.18 1.43 -1.24	20.20 1.14 -0.88	19.61 1.19 0.00	17.02 1.10 -0.13	15.51 0.98 -0.32	16.64 1.04 -0.33	14.38 0.89 -0.41	17.04 1.12 0.00	19.11 0.32 -14.15	18.99 1.08 -2.34	29.96 0.52 -21.73	38.12 0.90 -23.29	54.80 0.71 -42.46	23.69 0.15 -21.05	20.81 1.13 0.00	18.56 0.91 0.00
LOVETT___5 23593	19.04 0.38 -11.59	17.67 0.36 -10.34	15.44 0.52 -4.32	15.66 0.58 -2.71	17.32 0.75 -1.73	21.03 0.85 -3.68	39.77 0.78 -24.97	37.91 0.98 -20.13	26.18 1.43 -1.24	20.20 1.14 -0.88	19.61 1.19 0.00	17.02 1.10 -0.13	15.51 0.98 -0.32	16.64 1.04 -0.33	14.38 0.89 -0.41	17.04 1.12 0.00	19.11 0.32 -14.15	18.99 1.08 -2.34	29.96 0.52 -21.73	38.12 0.90 -23.29	54.80 0.71 -42.46	23.69 0.15 -21.05	20.81 1.13 0.00	18.56 0.91 0.00
LOWER RAQUET___HYD 24057	6.86 -0.21 0.00	6.77 -0.20 0.00	10.30 -0.30 0.00	12.05 -0.33 0.00	14.43 -0.40 0.00	16.09 -0.42 0.00	13.61 -0.40 0.00	16.34 -0.47 0.00	22.77 -0.60 0.14	17.65 -0.52 0.00	17.81 -0.60 0.00	15.22 -0.57 0.00	13.71 -0.50 0.00	14.73 -0.54 0.00	12.60 -0.48 0.00	15.34 -0.58 0.00	4.47 -0.17 0.00	14.98 -0.58 0.00	7.43 -0.27 0.00	13.50 -0.44 0.00	11.27 -0.36 0.00	2.39 -0.10 0.00	18.91 -0.77 0.00	16.94 -0.70 0.00
LOWER___HUDSON 24059	22.61 0.23 -15.31	20.88 0.21 -13.70	16.63 0.33 -5.71	16.34 0.39 -3.57	17.59 0.47 -2.29	21.86 0.50 -4.86	47.25 0.42 -32.80	43.39 0.49 -26.10	25.72 0.59 -1.61	19.76 0.45 -1.14	18.85 0.43 0.00	16.34 0.39 -0.17	14.98 0.35 -0.42	16.09 0.38 -0.43	13.95 0.34 -0.54	16.33 0.41 0.00	23.46 0.13 -18.69	19.09 0.44 -3.10	36.63 0.23 -28.70	45.11 0.42 -30.76	68.08 0.36 -56.09	30.37 0.08 -27.81	20.25 0.57 0.00	18.08 0.44 0.00
LOWVILLE_115KV_TB2 356335	7.41 -0.13 -0.46	7.24 -0.11 -0.38	10.64 -0.13 -0.18	12.37 -0.11 -0.11	14.79 -0.12 -0.07	16.57 -0.09 -0.15	14.91 -0.03 -0.93	16.91 -0.08 -0.18	23.02 -0.18 0.31	17.90 -0.27 0.00	18.01 -0.41 0.00	15.34 -0.45 0.00	13.78 -0.44 0.00	14.79 -0.49 0.00	12.62 -0.46 0.00	15.36 -0.56 0.00	5.00 -0.18 -0.54	15.10 -0.56 -0.09	8.35 -0.18 -0.83	14.77 -0.06 -0.89	13.22 -0.04 -1.62	3.24 -0.05 -0.80	19.14 -0.53 0.00	17.09 -0.55 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	23.08 0.32 -15.69	21.32 0.29 -14.06	16.89 0.44 -5.85	16.56 0.53 -3.66	17.82 0.64 -2.34	22.23 0.73 -4.98	48.47 0.66 -33.80	44.26 0.76 -26.70	26.10 0.94 -1.64	20.05 0.71 -1.17	19.11 0.70 0.00	16.53 0.58 -0.17	15.16 0.52 -0.43	16.27 0.56 -0.44	14.11 0.49 -0.55	16.52 0.60 0.00	23.98 0.19 -19.15	19.43 0.69 -3.17	37.47 0.36 -29.40	46.14 0.69 -31.52	69.67 0.58 -57.45	31.09 0.12 -28.48	20.57 0.89 0.00	18.32 0.67 0.00
LUTHERNY_35_KV_BK2 355980	23.08 0.32 -15.69	21.32 0.29 -14.06	16.89 0.44 -5.85	16.56 0.53 -3.66	17.83 0.65 -2.34	22.24 0.75 -4.98	48.48 0.66 -33.80	44.25 0.75 -26.70	26.09 0.93 -1.64	20.05 0.71 -1.17	19.11 0.70 0.00	16.52 0.56 -0.17	15.16 0.52 -0.43	16.26 0.55 -0.44	14.10 0.48 -0.55	16.51 0.59 0.00	23.98 0.19 -19.15	19.44 0.70 -3.17	37.48 0.37 -29.40	46.15 0.70 -31.52	69.67 0.58 -57.45	31.09 0.12 -28.48	20.56 0.89 0.00	18.32 0.68 0.00
LWR___OSWEGATCHIE_HYD 23850	7.17 -0.25 -0.34	7.01 -0.25 -0.29	10.36 -0.36 -0.13	12.07 -0.39 -0.08	14.43 -0.46 -0.05	16.17 -0.45 -0.11	14.33 -0.36 -0.68	16.48 -0.46 -0.14	22.60 -0.67 0.25	17.55 -0.63 0.00	17.68 -0.73 0.00	15.08 -0.71 0.00	13.57 -0.65 0.00	14.57 -0.71 0.00	12.45 -0.63 0.00	15.20 -0.72 0.00	4.83 -0.22 -0.41	14.92 -0.72 -0.07	8.04 -0.30 -0.63	14.24 -0.37 -0.68	12.57 -0.29 -1.23	3.01 -0.09 -0.61	18.87 -0.81 0.00	16.84 -0.80 0.00
LYONS_FALL_HYD 23570	7.46 -0.05 -0.44	7.32 -0.04 -0.40	10.72 -0.04 -0.16	12.46 -0.02 -0.10	14.90 -0.01 -0.07	16.66 0.02 -0.14	14.97 0.06 -0.89	16.85 0.05 0.00	23.22 -0.02 0.28	18.07 -0.10 0.00	18.23 -0.19 0.00	15.55 -0.23 0.00	13.97 -0.24 0.00	15.00 -0.28 0.00	12.82 -0.26 0.00	15.61 -0.31 0.00	5.04 -0.10 -0.50	15.37 -0.28 -0.08	8.40 -0.07 -0.77	14.82 0.07 -0.82	13.20 0.06 -1.50	3.22 -0.01 -0.74	19.47 -0.21 0.00	17.42 -0.22 0.00
MADISON___COUNTY_LFGE 323628	7.87 0.07 -0.72	7.67 0.07 -0.64	10.98 0.11 -0.27	12.68 0.14 -0.17	15.13 0.18 -0.11	16.95 0.21 -0.23	15.78 0.24 -1.52	17.37 0.31 -0.25	23.42 0.27 0.37	18.34 0.16 -0.01	18.56 0.14 0.00	15.87 0.08 0.00	14.27 0.05 0.00	15.32 0.05 0.00	13.13 0.05 -0.01	16.00 0.08 0.00	5.45 0.03 -0.77	15.85 0.16 -0.13	9.01 0.12 -1.19	15.55 0.34 -1.28	14.25 0.29 -2.32	3.70 0.06 -1.15	20.07 0.40 0.00	18.02 0.37 0.00
MALONE___115KV_TB1 356076	7.30 0.11 -0.11	7.16 0.10 -0.09	10.78 0.14 -0.04	12.58 0.18 -0.03	15.09 0.23 -0.02	16.90 0.35 -0.04	14.50 0.28 -0.20	17.18 0.33 -0.05	24.01 0.57 0.08	18.51 0.34 0.00	18.66 0.25 0.00	15.94 0.15 0.00	14.37 0.16 0.00	15.45 0.17 0.00	13.19 0.12 0.00	16.03 0.11 0.00	4.82 0.04 -0.14	15.65 0.06 -0.02	7.98 0.06 -0.21	14.34 0.18 -0.23	12.17 0.13 -0.41	2.69 0.00 -0.20	19.71 0.03 0.00	17.63 -0.01 0.00
MAPLEWOD_115KV_TB3 80458	22.51 0.23 -15.21	20.72 0.22 -13.53	16.61 0.34 -5.68	16.33 0.40 -3.56	17.59 0.48 -2.28	21.85 0.51 -4.84	47.21 0.44 -32.75	43.29 0.51 -25.97	25.77 0.66 -1.60	19.80 0.49 -1.14	18.89 0.48 0.00	16.40 0.44 -0.17	15.02 0.39 -0.41	16.13 0.43 -0.43	13.99 0.38 -0.53	16.39 0.47 0.00	23.38 0.14 -18.59	19.14 0.49 -3.08	36.51 0.25 -28.55	45.00 0.47 -30.60	67.82 0.39 -55.78	30.23 0.08 -27.66	20.32 0.65 0.00	18.15 0.51 0.00
MAPLE RIDGE_WT_1 323574	6.97 -0.11 0.00	6.85 -0.11 0.00	10.45 -0.15 0.00	12.24 -0.13 0.00	14.68 -0.16 0.00	16.30 -0.21 0.00	13.79 -0.23 0.00	16.56 -0.25 0.00	23.29 -0.18 0.05	18.04 -0.13 0.00	18.25 -0.17 0.00	15.61 -0.18 0.00	14.05 -0.16 0.00	15.08 -0.19 0.00	12.87 -0.20 0.00	15.62 -0.30 0.00	4.55 -0.09 0.00	15.21 -0.35 0.00	7.56 -0.15 0.00	13.77 -0.16 0.00	11.46 -0.17 0.00	2.43 -0.06 0.00	19.12 -0.56 0.00	17.12 -0.52 0.00

MAPLE_RIDGE_WT_2 323611	6.97 -0.11 0.00	6.85 -0.11 0.00	10.45 -0.15 0.00	12.24 -0.13 0.00	14.68 -0.16 0.00	16.30 -0.21 0.00	13.79 -0.23 0.00	16.56 -0.25 0.00	23.29 -0.18 0.05	18.04 -0.13 0.00	18.25 -0.17 0.00	15.61 -0.18 0.00	14.05 -0.16 0.00	15.08 -0.19 0.00	12.87 -0.20 0.00	15.62 -0.30 0.00	4.55 -0.09 0.00	15.21 -0.35 0.00	7.56 -0.15 0.00	13.77 -0.16 0.00	11.46 -0.17 0.00	2.43 -0.06 0.00	19.12 -0.56 0.00	17.12 -0.52 0.00
MARBLE_RIVER_WT_PWR 323696	7.22 0.15 0.00	7.09 0.12 0.00	10.77 0.17 0.00	12.59 0.22 0.00	15.12 0.28 0.00	16.92 0.41 0.00	14.35 0.33 0.00	17.16 0.35 0.00	24.08 0.61 0.05	18.53 0.36 0.00	18.71 0.30 0.00	15.98 0.20 0.00	14.43 0.22 0.00	15.51 0.24 0.00	13.25 0.17 0.00	16.08 0.16 0.00	4.71 0.06 0.00	15.65 0.09 0.00	7.78 0.07 0.00	14.14 0.20 0.00	11.77 0.14 0.00	2.49 0.00 0.00	19.71 0.03 0.00	17.65 0.01 0.00
MARSHVLE_115KV_TB1 80742	26.34 0.48 -18.79	24.58 0.46 -17.15	18.27 0.69 -6.99	17.54 0.79 -4.38	18.59 0.96 -2.80	23.63 1.16 -5.96	55.75 1.07 -40.66	49.73 1.32 -31.60	27.23 1.81 -1.90	20.89 1.33 -1.38	19.73 1.32 0.00	17.00 1.01 -0.20	15.61 0.90 -0.50	16.73 0.93 -0.53	14.49 0.77 -0.65	16.88 0.96 0.00	27.78 0.27 -22.87	20.27 0.91 -3.79	43.32 0.49 -35.12	52.62 1.03 -37.65	81.16 0.90 -68.63	36.71 0.19 -34.03	21.14 1.47 0.00	18.96 1.32 0.00
MARSH_HILL_WT_PWR 323713	9.29 -0.08 -2.30	8.93 -0.09 -2.06	11.38 -0.08 -0.86	12.92 0.02 -0.53	15.23 0.05 -0.34	17.25 0.03 -0.72	20.35 0.19 -6.14	17.72 0.06 -0.86	22.49 -0.19 0.83	18.14 -0.05 -0.03	18.46 0.04 0.00	15.66 -0.13 -0.01	14.08 -0.15 -0.01	15.10 -0.18 -0.01	12.98 -0.12 -0.03	15.87 -0.05 0.00	7.43 0.01 -2.77	15.94 -0.08 -0.46	11.95 -0.02 -4.26	18.67 0.05 -4.68	20.09 0.13 -8.33	6.69 0.07 -4.13	20.22 0.55 0.00	18.32 0.68 0.00
MCINTYRE_115KV_TB2 80467	7.23 -0.01 -0.17	7.11 0.01 -0.14	10.66 0.01 -0.06	12.44 0.03 -0.04	14.88 0.02 -0.03	16.62 0.06 -0.05	14.33 0.01 -0.30	16.90 0.03 -0.06	23.47 0.06 0.11	18.13 -0.04 0.00	18.32 -0.09 0.00	15.66 -0.13 0.00	14.11 -0.10 0.00	15.16 -0.11 0.00	12.97 -0.11 0.00	15.79 -0.13 0.00	4.80 -0.05 -0.20	15.47 -0.13 -0.03	7.96 -0.05 -0.31	14.21 -0.05 -0.33	12.21 -0.02 -0.60	2.76 -0.02 -0.30	19.52 -0.16 0.00	17.51 -0.13 0.00
MECO____69_KV_BK1 80468	25.53 0.59 -17.86	23.81 0.62 -16.23	18.17 0.93 -6.65	17.61 1.07 -4.16	18.83 1.33 -2.66	23.67 1.50 -5.67	53.89 1.28 -38.59	48.45 1.52 -30.13	27.00 1.66 -1.83	20.77 1.29 -1.32	19.60 1.19 0.00	16.75 0.77 -0.19	15.38 0.69 -0.48	16.47 0.70 -0.50	14.27 0.58 -0.62	16.65 0.73 0.00	26.63 0.23 -21.75	20.14 0.97 -3.60	41.77 0.66 -33.41	51.16 1.41 -35.81	78.07 1.16 -65.28	35.09 0.24 -32.37	21.48 1.81 0.00	19.36 1.72 0.00
MENANDS__115KV_TB5 355628	22.25 0.14 -15.04	20.46 0.14 -13.36	16.43 0.22 -5.62	16.15 0.26 -3.52	17.40 0.31 -2.25	21.58 0.29 -4.78	46.64 0.24 -32.38	42.77 0.25 -25.71	25.42 0.31 -1.59	19.54 0.25 -1.12	18.66 0.25 0.00	16.24 0.29 -0.17	14.88 0.26 -0.41	15.99 0.29 -0.43	13.86 0.26 -0.53	16.21 0.29 0.00	23.12 0.09 -18.39	18.90 0.29 -3.05	36.08 0.13 -28.24	44.45 0.24 -30.27	67.02 0.20 -55.19	29.89 0.04 -27.36	20.01 0.33 0.00	17.89 0.24 0.00
MG INDUSTRY___DRP 24185	21.94 0.17 -14.70	20.22 0.17 -13.08	16.36 0.28 -5.49	16.14 0.33 -3.44	17.41 0.38 -2.20	21.57 0.39 -4.67	45.99 0.33 -31.63	42.36 0.41 -25.15	25.56 0.49 -1.55	19.64 0.37 -1.10	18.76 0.34 0.00	16.29 0.34 -0.16	14.92 0.31 -0.40	16.03 0.34 -0.42	13.89 0.30 -0.52	16.25 0.33 0.00	22.70 0.10 -17.96	18.88 0.35 -2.98	35.46 0.18 -27.58	43.82 0.32 -29.56	65.79 0.27 -53.89	29.26 0.06 -26.72	20.13 0.45 0.00	18.01 0.37 0.00
MID___OSWEGATCHIE_HYD 23849	7.17 -0.25 -0.34	7.01 -0.25 -0.29	10.36 -0.36 -0.13	12.07 -0.39 -0.08	14.43 -0.46 -0.05	16.17 -0.45 -0.11	14.33 -0.36 -0.68	16.48 -0.46 -0.14	22.60 -0.67 0.25	17.55 -0.63 0.00	17.68 -0.73 0.00	15.08 -0.71 0.00	13.57 -0.65 0.00	14.57 -0.71 0.00	12.45 -0.63 0.00	15.20 -0.72 0.00	4.83 -0.22 -0.41	14.92 -0.72 -0.07	8.04 -0.30 -0.63	14.24 -0.37 -0.68	12.57 -0.29 -1.23	3.01 -0.09 -0.61	18.87 -0.81 0.00	16.84 -0.80 0.00
MID___RAQUETTE_HYD 23851	7.05 -0.22 -0.19	6.93 -0.20 -0.16	10.37 -0.30 -0.07	12.09 -0.33 -0.05	14.46 -0.41 -0.03	16.16 -0.42 -0.06	13.98 -0.40 -0.36	16.42 -0.47 -0.08	22.78 -0.60 0.14	17.65 -0.52 0.00	17.81 -0.60 0.00	15.22 -0.57 0.00	13.71 -0.50 0.00	14.73 -0.54 0.00	12.60 -0.48 0.00	15.34 -0.58 0.00	4.70 -0.18 -0.23	15.02 -0.58 -0.04	7.79 -0.27 -0.35	13.88 -0.43 -0.38	11.96 -0.36 -0.69	2.73 -0.10 -0.34	18.91 -0.77 0.00	16.94 -0.70 0.00
MILLIKEN___1 23584	9.38 0.05 -2.25	9.16 0.04 -2.15	11.51 0.08 -0.83	12.97 0.08 -0.52	15.31 0.14 -0.33	17.42 0.19 -0.72	19.82 0.23 -5.57	17.91 0.13 -0.97	22.71 -0.02 0.79	18.10 -0.10 -0.03	18.33 -0.09 0.00	15.66 -0.13 -0.01	14.08 -0.15 -0.02	15.12 -0.17 -0.02	13.04 -0.06 -0.03	15.92 0.00 0.00	7.40 0.02 -2.73	16.17 0.16 -0.45	12.02 0.12 -4.20	18.79 0.28 -4.58	20.07 0.24 -8.20	6.61 0.06 -4.06	20.05 0.38 0.00	17.99 0.35 0.00
MILLIKEN___2 23585	9.38 0.05 -2.25	9.16 0.04 -2.15	11.51 0.08 -0.83	12.97 0.08 -0.52	15.31 0.14 -0.33	17.42 0.19 -0.72	19.82 0.23 -5.57	17.91 0.13 -0.97	22.71 -0.02 0.79	18.10 -0.10 -0.03	18.33 -0.09 0.00	15.66 -0.13 -0.01	14.08 -0.15 -0.02	15.12 -0.17 -0.02	13.04 -0.06 -0.03	15.92 0.00 0.00	7.40 0.02 -2.73	16.17 0.16 -0.45	12.02 0.12 -4.20	18.79 0.28 -4.58	20.07 0.24 -8.20	6.61 0.06 -4.06	20.05 0.38 0.00	17.99 0.35 0.00
MILLIKEN___DIESEL 23629	9.38 0.05 -2.25	9.16 0.04 -2.15	11.51 0.08 -0.83	12.97 0.08 -0.52	15.31 0.14 -0.33	17.42 0.19 -0.72	19.82 0.23 -5.57	17.91 0.13 -0.97	22.71 -0.02 0.79	18.10 -0.10 -0.03	18.33 -0.09 0.00	15.66 -0.13 -0.01	14.08 -0.15 -0.02	15.12 -0.17 -0.02	13.04 -0.06 -0.03	15.92 0.00 0.00	7.40 0.02 -2.73	16.17 0.16 -0.45	12.02 0.12 -4.20	18.79 0.28 -4.58	20.07 0.24 -8.20	6.61 0.06 -4.06	20.05 0.38 0.00	17.99 0.35 0.00
MILLSEAT___LFGE 323607	8.31 -0.34 -1.58	7.98 -0.40 -1.42	10.60 -0.58 -0.59	12.10 -0.64 -0.37	14.30 -0.78 -0.24	16.12 -0.89 -0.50	15.41 -0.56 -1.95	16.64 -0.76 -0.59	21.23 -1.41 0.89	17.12 -1.06 -0.01	17.36 -1.06 0.00	14.82 -0.97 0.00	13.39 -0.84 -0.01	14.59 -0.69 -0.01	12.42 -0.67 -0.02	15.56 -0.36 0.00	6.39 -0.19 -1.94	15.08 -0.81 -0.32	10.33 -0.35 -2.98	16.46 -0.57 -3.09	17.09 -0.37 -5.82	5.33 -0.04 -2.88	19.25 -0.42 0.00	17.50 -0.15 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	19.41 0.38 -11.95	17.98 0.36 -10.65	15.59 0.53 -4.46	15.74 0.58 -2.79	17.38 0.76 -1.79	21.16 0.86 -3.79	40.50 0.79 -25.69	38.51 0.98 -20.73	26.23 1.44 -1.27	20.24 1.16 -0.91	19.62 1.21 0.00	17.03 1.11 -0.13	15.54 0.99 -0.33	16.66 1.04 -0.34	14.40 0.90 -0.42	17.06 1.14 0.00	19.57 0.32 -14.60	19.06 1.08 -2.42	30.65 0.52 -22.42	38.87 0.90 -24.03	56.15 0.71 -43.80	24.36 0.15 -21.72	20.81 1.14 0.00	18.55 0.91 0.00

MILLWOOD_13_KV_LOAD 356217	19.42 0.40 -11.95	17.99 0.37 -10.65	15.61 0.55 -4.46	15.77 0.60 -2.79	17.41 0.79 -1.79	21.20 0.90 -3.79	40.53 0.82 -25.69	38.55 1.02 -20.73	26.29 1.49 -1.27	20.28 1.20 -0.91	19.66 1.25 0.00	17.07 1.15 -0.13	15.57 1.02 -0.33	16.69 1.08 -0.34	14.43 0.93 -0.42	17.10 1.18 0.00	19.58 0.34 -14.60	19.11 1.13 -2.42	30.67 0.54 -22.42	38.90 0.94 -24.03	56.18 0.74 -43.80	24.36 0.16 -21.72	20.86 1.18 0.00	18.59 0.94 0.00
MODEL_CITY_ENERGY 24167	8.27 -0.55 -1.74	7.93 -0.60 -1.56	10.37 -0.87 -0.65	11.79 -0.99 -0.41	13.88 -1.22 -0.26	15.58 -1.48 -0.55	15.44 -1.09 -2.51	16.03 -1.43 -0.65	20.43 -2.22 0.88	16.63 -1.55 -0.02	16.94 -1.47 0.00	14.50 -1.30 0.00	13.11 -1.11 -0.01	14.15 -1.13 -0.01	12.12 -0.98 -0.02	14.86 -1.07 0.00	6.45 -0.33 -2.14	14.72 -1.19 -0.35	10.37 -0.61 -3.28	16.26 -1.10 -3.43	17.21 -0.83 -6.41	5.54 -0.12 -3.18	18.64 -1.03 0.00	17.08 -0.56 0.00
MODERN_LFGE_ 323580	8.27 -0.55 -1.74	7.93 -0.60 -1.56	10.37 -0.87 -0.65	11.79 -0.99 -0.41	13.88 -1.22 -0.26	15.58 -1.48 -0.55	15.44 -1.09 -2.51	16.03 -1.43 -0.65	20.43 -2.22 0.88	16.63 -1.55 -0.02	16.94 -1.47 0.00	14.50 -1.30 0.00	13.11 -1.11 -0.01	14.15 -1.13 -0.01	12.12 -0.98 -0.02	14.86 -1.07 0.00	6.45 -0.33 -2.14	14.72 -1.19 -0.35	10.37 -0.61 -3.28	16.26 -1.10 -3.43	17.21 -0.83 -6.41	5.54 -0.12 -3.18	18.64 -1.03 0.00	17.08 -0.56 0.00
MOHAWK_PAPER___DRP 24187	22.51 0.23 -15.21	20.72 0.22 -13.53	16.61 0.34 -5.68	16.33 0.40 -3.56	17.59 0.48 -2.28	21.85 0.51 -4.84	47.21 0.44 -32.75	43.29 0.51 -25.97	25.77 0.66 -1.60	19.80 0.49 -1.14	18.89 0.48 0.00	16.40 0.44 -0.17	15.02 0.39 -0.41	16.13 0.43 -0.43	13.99 0.38 -0.53	16.39 0.47 0.00	23.38 0.14 -18.59	19.14 0.49 -3.08	36.51 0.25 -28.55	45.00 0.47 -30.60	67.82 0.39 -55.78	30.23 0.08 -27.66	20.32 0.65 0.00	18.15 0.51 0.00
MOHICAN___35_KV_115KV_LD 80490	23.10 0.32 -15.71	21.33 0.28 -14.09	16.88 0.43 -5.86	16.56 0.52 -3.67	17.83 0.64 -2.35	22.26 0.76 -4.99	48.53 0.67 -33.84	44.30 0.76 -26.73	26.06 0.89 -1.65	20.00 0.66 -1.17	19.04 0.63 0.00	16.46 0.50 -0.17	15.07 0.43 -0.43	16.19 0.47 -0.44	14.04 0.42 -0.55	16.45 0.52 0.00	24.01 0.19 -19.17	19.45 0.71 -3.18	37.54 0.39 -29.44	46.24 0.75 -31.56	69.81 0.64 -57.53	31.14 0.13 -28.52	20.63 0.95 0.00	18.29 0.65 0.00
MONGAUP___HYD 23641	18.14 0.41 -10.65	16.91 0.41 -9.53	15.17 0.60 -3.97	15.54 0.68 -2.49	17.29 0.86 -1.59	20.69 0.80 -3.38	37.59 0.72 -22.86	36.22 0.80 -18.60	25.77 1.11 -1.14	19.89 0.91 -0.81	19.26 0.85 0.00	16.66 0.75 -0.12	15.16 0.66 -0.30	16.26 0.68 -0.31	14.06 0.60 -0.38	16.61 0.69 0.00	17.82 0.17 -13.00	18.28 0.56 -2.15	27.98 0.31 -19.96	35.91 0.58 -21.40	51.13 0.49 -39.01	21.96 0.13 -19.34	20.69 1.02 0.00	18.57 0.92 0.00
MONTAUK___DIESEL 23721	19.91 0.81 -12.02	19.84 0.79 -12.08	16.25 1.17 -4.49	16.51 1.33 -2.81	18.32 1.68 -1.80	23.13 1.95 -4.67	41.63 1.77 -25.84	39.72 2.07 -20.85	29.80 3.11 -3.17	21.21 2.13 -0.91	23.38 2.09 -2.88	30.40 1.94 -12.67	16.16 1.62 -0.33	17.26 1.64 -0.35	14.89 1.38 -0.43	23.12 1.95 -5.26	60.92 0.59 -55.69	19.92 1.92 -2.43	31.25 0.99 -22.56	62.38 1.85 -46.60	57.11 1.40 -44.08	34.13 0.33 -31.32	22.01 2.34 0.00	19.51 1.87 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	9.04 -0.05 -2.01	8.72 -0.09 -1.85	11.26 -0.08 -0.75	13.01 0.18 -0.46	15.38 0.26 -0.29	17.26 0.13 -0.62	17.60 0.33 -3.26	17.95 0.42 -0.72	22.97 0.31 0.86	18.57 0.38 -0.02	18.90 0.49 0.00	16.04 0.25 0.00	14.42 0.19 -0.01	15.48 0.19 -0.01	13.18 0.09 -0.02	16.05 0.13 0.00	7.01 -0.01 -2.37	15.89 -0.07 -0.39	11.36 0.01 -3.64	18.09 0.30 -3.86	19.19 0.44 -7.12	6.16 0.15 -3.53	20.75 1.08 0.00	18.93 1.29 0.00
MORTIMER_115KV_TB3 55949	8.26 -0.27 -1.46	7.97 -0.32 -1.32	10.67 -0.46 -0.54	12.21 -0.51 -0.34	14.45 -0.60 -0.22	16.27 -0.70 -0.46	15.07 -0.48 -1.53	16.70 -0.65 -0.55	21.50 -1.13 0.89	17.40 -0.79 -0.01	17.68 -0.74 0.00	15.12 -0.67 0.00	13.65 -0.57 -0.01	14.67 -0.61 -0.01	12.59 -0.50 -0.02	15.30 -0.61 0.00	6.27 -0.16 -1.79	15.32 -0.54 -0.30	10.20 -0.25 -2.75	16.32 -0.43 -2.82	16.69 -0.31 -5.36	5.11 -0.04 -2.66	19.28 -0.39 0.00	17.45 -0.19 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	19.52 0.42 -12.02	18.08 0.40 -10.71	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.92 -3.81	40.71 0.85 -25.84	38.71 1.05 -20.85	26.38 1.58 -1.28	20.38 1.29 -0.91	19.76 1.35 0.00	17.15 1.23 -0.13	15.66 1.11 -0.33	16.78 1.16 -0.35	14.50 1.00 -0.43	17.18 1.26 -14.69	19.69 0.36 -2.43	19.18 1.18 -2.43	30.82 0.57 -22.55	39.08 0.97 -24.18	56.46 0.75 -44.07	24.50 0.16 -21.85	20.90 1.22 0.00	18.63 0.99 0.00
MUNSVILLE_WIND_PWR 323609	10.69 0.42 -3.20	10.24 0.42 -2.86	12.42 0.64 -1.19	13.88 0.76 -0.75	16.28 0.97 -0.48	18.68 1.16 -1.01	22.41 1.09 -7.31	20.75 1.15 -2.79	24.22 1.20 0.50	18.97 0.69 -0.11	19.09 0.67 0.00	16.27 0.46 -0.02	14.66 0.40 -0.04	15.73 0.41 -0.05	13.57 0.43 -0.06	16.37 0.45 0.00	8.73 0.17 -3.91	16.93 0.72 -0.65	14.15 0.44 -6.01	21.44 1.02 -6.49	24.24 0.86 -11.74	8.50 0.19 -5.82	21.12 1.44 0.00	18.94 1.30 0.00
N SALMON___HYD 24042	7.19 0.11 0.00	7.06 0.10 0.00	10.73 0.14 0.00	12.55 0.18 0.00	15.08 0.23 0.00	16.86 0.35 0.00	14.30 0.28 0.00	17.14 0.33 0.00	24.01 0.57 0.08	18.51 0.35 0.00	18.66 0.25 0.00	15.93 0.15 0.00	14.37 0.16 0.00	15.45 0.18 0.00	13.19 0.12 0.00	16.03 0.11 0.00	4.69 0.04 0.00	15.62 0.06 0.00	7.77 0.06 0.00	14.11 0.18 0.00	11.76 0.13 0.00	2.49 0.00 0.00	19.71 0.03 0.00	17.63 -0.01 0.00
N.AKRON___115KV_KNAPP 355671	8.36 -0.38 -1.66	8.06 -0.43 -1.52	10.59 -0.62 -0.62	12.07 -0.69 -0.39	14.25 -0.84 -0.25	16.04 -1.00 -0.53	15.45 -0.68 -2.12	16.51 -0.91 -0.62	21.09 -1.55 0.88	17.08 -1.11 -0.01	17.35 -1.06 0.00	14.82 -0.96 0.00	13.40 -0.82 -0.01	14.70 -0.58 -0.01	12.47 -0.62 -0.02	15.85 -0.07 0.00	6.52 -0.15 -2.03	15.07 -0.83 -0.34	10.42 -0.40 -3.11	16.49 -0.68 -3.24	17.25 -0.47 -6.09	5.45 -0.06 -3.02	19.14 -0.54 0.00	17.48 -0.17 0.00
N.BELMOR_69_KV_BK1 55787	19.64 0.54 -12.02	19.61 0.53 -12.12	15.84 0.76 -4.49	16.02 0.83 -2.81	17.71 1.07 -1.80	22.35 1.23 -4.61	40.94 1.08 -25.84	38.94 1.29 -20.85	28.70 2.01 -3.17	20.60 1.51 -0.91	22.87 1.58 -2.88	29.93 1.47 -12.67	15.83 1.28 -0.33	16.95 1.33 -0.35	14.62 1.12 -0.43	22.66 1.49 -5.26	60.76 0.42 -55.69	19.35 1.35 -2.43	30.94 0.68 -22.56	61.73 1.20 -46.60	56.61 0.90 -44.08	34.01 0.21 -31.32	21.22 1.54 0.00	18.88 1.24 0.00
N.E._GEN_SANDY PD 24062	21.73 0.26 -14.40	19.33 0.23 -12.13	16.07 0.36 -5.12	15.99 0.42 -3.21	17.40 0.51 -2.05	21.67 0.56 -4.59	43.78 0.48 -29.27	39.26 0.57 -21.88	25.08 0.76 -0.79	19.81 0.61 -1.03	19.04 0.62 0.00	16.65 0.58 -0.29	15.10 0.51 -0.38	16.22 0.56 -0.39	14.05 0.49 -0.48	16.00 0.60 0.52	21.56 0.17 -16.75	18.91 0.57 -2.78	33.71 0.28 -25.73	42.00 0.50 -27.57	62.33 0.42 -50.27	27.50 0.09 -24.93	20.60 0.67 -0.26	17.45 0.52 0.71

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.02 0.39 -11.56	17.66 0.37 -10.33	15.44 0.54 -4.31	15.66 0.59 -2.70	17.34 0.77 -1.73	21.05 0.87 -3.67	39.75 0.81 -24.92	37.89 1.00 -20.08	26.22 1.46 -1.23	20.22 1.18 -0.88	19.63 1.22 0.00	17.04 1.13 -0.13	15.53 1.00 -0.32	16.66 1.06 -0.33	14.40 0.91 -0.41	17.07 1.15 0.00	19.09 0.33 -14.12	19.02 1.11 -2.34	29.92 0.54 -21.68	38.10 0.93 -23.24	54.72 0.73 -42.36	23.64 0.15 -21.00	20.84 1.17 0.00	18.59 0.94 0.00
N.QUEENS_27_KV_LOAD 356247	19.52 0.42 -12.02	18.10 0.42 -10.71	15.68 0.60 -4.49	15.83 0.65 -2.81	17.48 0.85 -1.80	21.25 0.93 -3.81	40.74 0.88 -25.84	38.74 1.09 -20.85	26.41 1.61 -1.28	20.44 1.35 -0.91	19.79 1.37 0.00	17.21 1.29 -0.14	15.69 1.15 -0.33	16.83 1.21 -0.35	14.55 1.04 -0.43	17.22 1.30 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.08 0.97 -24.18	56.45 0.74 -44.07	24.50 0.16 -21.85	20.93 1.26 0.00	18.66 1.02 0.00
N.TROY___115KV_TB1 355778	22.60 0.23 -15.30	20.85 0.21 -13.68	16.63 0.33 -5.71	16.34 0.39 -3.57	17.59 0.47 -2.29	21.87 0.49 -4.87	47.45 0.42 -33.01	43.39 0.49 -26.10	25.72 0.59 -1.61	19.76 0.45 -1.14	18.85 0.43 0.00	16.34 0.39 -0.17	14.98 0.35 -0.42	16.09 0.38 -0.43	13.95 0.34 -0.54	16.33 0.41 0.00	23.46 0.12 -18.69	19.09 0.44 -3.10	36.63 0.23 -28.70	45.12 0.42 -30.77	68.08 0.36 -56.09	30.37 0.08 -27.81	20.25 0.57 0.00	18.08 0.44 0.00
NARROWS_GT1_1 24228	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_2 24229	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_3 24230	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_4 24231	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_5 24232	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_6 24233	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_7 24234	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT1_8 24235	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_1 24236	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_2 24237	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_3 24238	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_4 24239	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00

NARROWS_GT2_5 24240	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_6 24241	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_7 24242	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NARROWS_GT2_8 24243	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	21.30 0.21 -14.01	19.60 0.20 -12.44	16.17 0.34 -5.23	16.05 0.40 -3.27	17.40 0.47 -2.10	21.47 0.52 -4.44	44.42 0.45 -29.95	41.36 0.51 -24.05	25.55 0.55 -1.48	19.54 0.32 -1.05	18.68 0.27 0.00	16.21 0.27 -0.15	14.84 0.25 -0.38	15.95 0.28 -0.40	13.82 0.25 -0.49	16.20 0.28 0.00	21.87 0.10 -17.12	18.76 0.36 -2.84	34.21 0.20 -26.30	42.56 0.44 -28.19	63.43 0.41 -51.39	28.05 0.09 -25.47	20.36 0.68 0.00	18.16 0.52 0.00
NCHELSEA_115KV_TR2 355582	19.46 0.42 -11.96	17.98 0.40 -10.62	15.65 0.58 -4.47	15.82 0.65 -2.80	17.46 0.84 -1.79	21.26 0.96 -3.79	40.62 0.88 -25.73	38.65 1.08 -20.76	26.34 1.55 -1.27	20.30 1.22 -0.91	19.67 1.26 0.00	17.06 1.14 -0.13	15.56 1.02 -0.33	16.70 1.09 -0.34	14.44 0.94 -0.43	17.10 1.18 0.00	19.61 0.34 -14.62	19.15 1.16 -2.42	30.73 0.57 -22.45	39.00 1.00 -24.07	56.32 0.81 -43.88	24.41 0.17 -21.75	20.95 1.28 0.00	18.67 1.02 0.00
NEG CAPITAL___MECHNVIL 23645	22.95 0.32 -15.56	21.19 0.29 -13.94	16.85 0.44 -5.81	16.54 0.53 -3.64	17.81 0.64 -2.33	22.19 0.74 -4.94	48.03 0.66 -33.36	44.08 0.76 -26.51	26.09 0.94 -1.63	20.04 0.71 -1.16	19.10 0.68 0.00	16.53 0.58 -0.17	15.15 0.52 -0.42	16.27 0.56 -0.44	14.11 0.49 -0.54	16.52 0.61 0.00	23.84 0.19 -19.01	19.41 0.70 -3.15	37.26 0.37 -29.18	45.90 0.69 -31.28	69.25 0.58 -57.03	30.88 0.12 -28.28	20.57 0.89 0.00	18.33 0.69 0.00
NEG CENTRAL_HIGH_ACRES 23767	8.16 -0.34 -1.43	7.88 -0.37 -1.28	10.59 -0.54 -0.53	12.10 -0.61 -0.33	14.33 -0.72 -0.21	16.15 -0.82 -0.45	14.95 -0.59 -1.53	16.59 -0.76 -0.54	21.38 -1.26 0.88	17.24 -0.94 -0.01	17.51 -0.91 0.00	14.98 -0.81 0.00	13.50 -0.73 -0.01	14.50 -0.78 -0.01	12.45 -0.65 -0.02	15.14 -0.78 0.00	6.19 -0.21 -1.75	15.18 -0.68 -0.29	10.09 -0.31 -2.69	16.16 -0.55 -2.78	16.49 -0.41 -5.26	5.03 -0.07 -2.61	19.05 -0.62 0.00	17.22 -0.42 0.00
NEG CENTRAL___DRP 24199	8.52 -0.10 -1.55	8.26 -0.11 -1.40	11.02 -0.14 -0.57	12.56 -0.17 -0.36	14.90 -0.17 -0.23	16.83 -0.17 -0.49	23.45 -0.05 -9.48	17.23 -0.16 -0.59	22.23 -0.42 0.87	17.84 -0.34 -0.01	18.11 -0.30 0.00	15.49 -0.30 0.00	13.93 -0.29 -0.01	14.96 -0.33 -0.01	12.87 -0.23 -0.02	15.69 -0.23 0.00	6.50 -0.04 -1.90	15.75 -0.12 -0.31	10.59 -0.03 -2.91	17.56 -0.02 -3.65	17.33 0.01 -5.69	5.32 0.01 -2.82	19.71 0.03 0.00	17.74 0.10 0.00
NEG CENTRAL___INDECK 23768	9.01 -0.02 -1.96	8.64 -0.08 -1.75	11.24 -0.09 -0.73	12.77 -0.05 -0.46	15.07 -0.06 -0.29	17.06 -0.06 -0.62	18.64 0.12 -4.51	17.50 -0.04 -0.73	22.10 -0.56 0.86	17.82 -0.37 -0.02	18.12 -0.29 0.00	15.47 -0.32 -0.01	13.90 -0.33 -0.01	14.94 -0.34 -0.01	12.83 -0.26 -0.02	15.67 -0.24 0.00	6.98 -0.06 -2.39	15.74 -0.21 -0.40	11.30 -0.07 -3.67	17.98 0.07 -3.98	18.99 0.18 -7.17	6.12 0.07 -3.56	20.17 0.50 0.00	18.22 0.57 0.00
NEG CENTRAL___SENECA 23627	8.68 -0.08 -1.68	8.41 -0.08 -1.52	11.12 -0.10 -0.63	12.65 -0.11 -0.39	14.99 -0.10 -0.25	16.92 -0.12 -0.53	28.49 0.01 -14.47	17.34 -0.11 -0.64	22.28 -0.38 0.87	17.90 -0.29 -0.02	18.17 -0.24 0.00	15.51 -0.28 0.00	13.97 -0.26 -0.01	14.99 -0.29 -0.01	12.90 -0.19 -0.02	15.73 -0.19 0.00	6.68 -0.02 -2.06	15.82 -0.09 -0.34	10.86 -0.01 -3.17	18.22 0.04 -4.25	17.87 0.05 -6.19	5.58 0.03 -3.07	19.81 0.13 0.00	17.88 0.24 0.00
NEG CENTRAL___STATE_STREET 24147	8.57 -0.02 -1.52	8.29 -0.05 -1.38	11.11 -0.05 -0.56	12.62 -0.11 -0.35	15.01 -0.05 -0.23	17.04 0.04 -0.48	18.06 0.13 -3.91	17.48 0.08 -0.60	22.61 -0.05 0.86	18.05 -0.13 -0.01	18.34 -0.07 0.00	15.71 -0.08 0.00	14.09 -0.13 -0.01	15.14 -0.14 -0.01	13.01 -0.08 -0.02	15.87 -0.04 0.00	6.52 0.01 -1.87	16.00 0.13 -0.31	10.65 0.08 -2.86	17.32 0.16 -3.22	17.41 0.18 -5.60	5.30 0.04 -2.77	19.92 0.25 0.00	17.80 0.16 0.00
NEG MILLWOOD___DRP 24198	19.63 0.43 -12.12	18.15 0.41 -10.78	15.71 0.59 -4.53	15.86 0.65 -2.83	17.50 0.85 -1.81	21.32 0.97 -3.85	40.98 0.90 -26.06	38.93 1.11 -21.01	26.41 1.60 -1.29	20.36 1.27 -0.92	19.72 1.31 0.00	17.10 1.18 -0.13	15.60 1.06 -0.33	16.74 1.12 -0.35	14.48 0.97 -0.43	17.14 1.22 0.00	19.81 0.35 -14.81	19.21 1.19 -2.45	31.04 0.59 -22.74	39.34 1.02 -24.38	56.90 0.82 -44.44	24.69 0.17 -22.03	20.97 1.29 0.00	18.67 1.02 0.00
NEG NORTH_FLCN_SEA 23793	7.54 0.39 -0.08	7.34 0.31 -0.06	11.09 0.46 -0.03	12.96 0.57 -0.02	15.59 0.74 -0.01	17.50 0.96 -0.03	14.98 0.82 -0.14	17.70 0.86 -0.03	24.86 1.39 0.05	19.02 0.85 0.00	19.26 0.84 0.00	16.46 0.67 0.00	14.85 0.64 0.00	15.94 0.67 0.00	13.64 0.56 0.00	16.54 0.63 0.00	4.96 0.21 -0.09	16.10 0.52 -0.02	8.18 0.33 -0.14	14.80 0.72 -0.16	12.50 0.59 -0.28	2.72 0.09 -0.14	20.41 0.74 0.00	18.15 0.51 0.00
NEG NORTH_KES_CHATEGAY 23792	7.34 0.18 -0.09	7.18 0.15 -0.07	10.84 0.21 -0.03	12.66 0.26 -0.02	15.19 0.34 -0.01	17.00 0.46 -0.03	14.52 0.37 -0.14	17.24 0.40 -0.04	24.13 0.67 0.06	18.65 0.47 0.00	18.73 0.32 0.00	16.00 0.22 0.00	14.45 0.23 0.00	15.53 0.26 0.00	13.28 0.20 0.00	16.12 0.20 0.00	4.82 0.07 -0.11	15.71 0.12 -0.02	7.97 0.10 -0.16	14.34 0.24 -0.17	12.12 0.17 -0.31	2.65 0.01 -0.16	19.77 0.10 0.00	17.70 0.06 0.00



NEG NORTH___ALICE_FALLS 23915	7.50 0.34 -0.08	7.31 0.28 -0.06	11.04 0.42 -0.03	12.90 0.51 -0.02	15.51 0.66 -0.01	17.41 0.87 -0.03	14.90 0.75 -0.14	17.63 0.80 -0.03	24.77 1.31 0.06	18.91 0.74 0.00	19.13 0.71 0.00	16.35 0.57 0.00	14.77 0.55 0.00	15.84 0.57 0.00	13.55 0.47 0.00	16.44 0.52 0.00	4.92 0.18 -0.09	16.02 0.44 -0.02	8.14 0.28 -0.15	14.74 0.64 -0.16	12.45 0.53 -0.29	2.71 0.08 -0.14	20.32 0.64 0.00	18.09 0.45 0.00
NEG NORTH___LWR_SARANAC 23913	7.50 0.34 -0.08	7.31 0.28 -0.06	11.04 0.42 -0.03	12.90 0.51 -0.02	15.51 0.66 -0.01	17.41 0.87 -0.03	14.90 0.75 -0.14	17.63 0.80 -0.03	24.77 1.31 0.06	18.91 0.74 0.00	19.13 0.71 0.00	16.35 0.57 0.00	14.77 0.55 0.00	15.84 0.57 0.00	13.55 0.47 0.00	16.44 0.52 0.00	4.92 0.18 -0.09	16.02 0.44 -0.02	8.14 0.28 -0.15	14.74 0.64 -0.16	12.45 0.53 -0.29	2.71 0.08 -0.14	20.32 0.64 0.00	18.09 0.45 0.00
NEG NORTH___PLATTSBURG 23628	7.42 0.34 0.00	7.25 0.28 0.00	11.01 0.42 0.00	12.88 0.51 0.00	15.50 0.66 0.00	17.38 0.87 0.00	14.77 0.75 0.00	17.60 0.80 0.00	24.77 1.30 0.06	18.91 0.74 0.00	19.13 0.71 0.00	16.35 0.57 0.00	14.76 0.55 0.00	15.84 0.57 0.00	13.54 0.47 0.00	16.44 0.52 0.00	4.83 0.18 0.00	16.01 0.44 0.00	7.99 0.28 0.00	14.58 0.64 0.00	12.16 0.53 0.00	2.57 0.08 0.00	20.32 0.64 0.00	18.09 0.45 0.00
NEG WEST_LEA_LOCKPORT 23791	8.34 -0.47 -1.74	8.04 -0.52 -1.59	10.48 -0.76 -0.65	11.94 -0.84 -0.41	14.06 -1.04 -0.26	15.78 -1.28 -0.55	15.41 -0.94 -2.33	16.22 -1.24 -0.65	20.70 -1.95 0.88	16.84 -1.35 -0.02	17.16 -1.25 0.00	14.67 -1.12 0.00	13.27 -0.95 -0.01	14.33 -0.95 -0.01	12.27 -0.82 -0.02	15.06 -0.86 0.00	6.50 -0.27 -2.12	14.90 -1.02 -0.35	10.45 -0.52 -3.26	16.40 -0.93 -3.40	17.31 -0.70 -6.37	5.55 -0.09 -3.16	18.86 -0.82 0.00	17.28 -0.37 0.00
NEG WEST___LANCASTR 23811	8.90 -0.19 -2.02	8.62 -0.22 -1.88	11.06 -0.28 -0.75	12.49 -0.35 -0.47	14.76 -0.38 -0.30	16.59 -0.56 -0.64	16.68 -0.39 -3.05	17.05 -0.50 -0.75	21.75 -0.91 0.85	17.64 -0.55 -0.02	17.96 -0.45 0.00	15.35 -0.44 -0.01	13.87 -0.35 -0.01	14.94 -0.34 -0.01	12.82 -0.28 -0.02	15.67 -0.25 0.00	7.04 -0.07 -2.48	15.62 -0.36 -0.41	11.28 -0.22 -3.80	17.58 -0.37 -4.01	18.81 -0.25 -7.43	6.17 0.00 -3.68	19.62 -0.05 0.00	17.89 0.25 0.00
NEG_PENN_ALLEGHNY 23528	10.52 0.02 -3.42	10.05 0.02 -3.06	11.90 0.03 -1.28	13.20 0.02 -0.80	15.41 0.06 -0.51	17.66 0.07 -1.09	21.68 0.15 -7.52	18.20 -0.07 -1.46	22.55 -0.24 0.73	18.06 -0.16 -0.05	18.33 -0.09 0.00	15.66 -0.14 -0.01	14.12 -0.12 -0.02	15.15 -0.14 -0.02	13.12 0.01 -0.04	16.04 0.12 0.00	8.90 0.06 -4.19	16.42 0.16 -0.69	14.22 0.09 -6.43	21.06 0.19 -6.93	24.33 0.14 -12.56	8.76 0.04 -6.23	19.95 0.27 0.00	17.91 0.27 0.00
NEG___GEN_MONROE 24207	8.29 -0.26 -1.47	8.01 -0.30 -1.34	10.70 -0.44 -0.55	12.24 -0.48 -0.34	14.49 -0.57 -0.22	16.32 -0.65 -0.47	15.18 -0.44 -1.60	16.75 -0.60 -0.55	21.52 -1.10 0.89	17.40 -0.78 -0.01	17.66 -0.75 0.00	15.09 -0.70 0.00	13.62 -0.60 -0.01	14.66 -0.62 -0.01	12.56 -0.53 -0.02	15.33 -0.59 0.00	6.27 -0.17 -1.80	15.28 -0.58 -0.30	10.21 -0.26 -2.76	16.35 -0.42 -2.84	16.73 -0.29 -5.39	5.13 -0.03 -2.67	19.33 -0.34 0.00	17.55 -0.10 0.00
NEPA___ENERGY 23901	9.29 -0.15 -2.37	9.01 -0.16 -2.21	11.25 -0.22 -0.88	12.61 -0.32 -0.55	14.87 -0.33 -0.36	16.82 -0.45 -0.76	18.99 -0.26 -5.24	17.22 -0.46 -0.87	21.86 -0.82 0.83	17.67 -0.52 -0.03	18.00 -0.42 0.00	15.36 -0.43 -0.01	13.88 -0.35 -0.01	14.92 -0.37 -0.01	12.85 -0.25 -0.03	15.68 -0.24 0.00	7.50 -0.05 -2.91	15.77 -0.28 -0.48	12.01 -0.16 -4.47	18.47 -0.27 -4.80	20.13 -0.23 -8.73	6.80 -0.01 -4.33	19.54 -0.13 0.00	17.74 0.10 0.00
NEVERSINK___HYD 23608	17.19 0.43 -9.69	16.09 0.44 -8.68	14.87 0.66 -3.62	15.43 0.79 -2.26	17.24 0.95 -1.45	20.61 1.02 -3.08	35.72 0.89 -20.81	34.97 1.11 -17.05	26.13 1.56 -1.04	20.17 1.25 -0.75	19.70 1.29 0.00	17.04 1.14 -0.11	15.51 1.02 -0.27	16.58 1.02 -0.28	13.99 0.56 -0.35	16.61 0.69 0.00	16.67 0.19 -11.83	18.24 0.71 -1.96	26.25 0.38 -18.17	34.13 0.73 -19.47	47.97 0.83 -35.51	20.27 0.17 -17.61	21.11 1.43 0.00	18.98 1.34 0.00
NEWKRMKL_115KV_TB1 55635	22.28 0.11 -15.09	20.50 0.10 -13.43	16.42 0.19 -5.64	16.12 0.21 -3.53	17.34 0.24 -2.26	21.54 0.23 -4.80	46.69 0.18 -32.48	42.78 0.18 -25.80	25.33 0.22 -1.59	19.48 0.18 -1.13	18.58 0.17 0.00	16.19 0.24 -0.17	14.84 0.21 -0.41	15.93 0.23 -0.43	13.81 0.21 -0.53	16.14 0.23 0.00	23.17 0.07 -18.46	18.86 0.24 -3.06	36.15 0.11 -28.34	44.51 0.20 -30.38	67.17 0.16 -55.38	29.98 0.03 -27.46	19.93 0.25 0.00	17.83 0.18 0.00
NEWTON___FALLS_HYD 23847	7.17 -0.25 -0.34	7.01 -0.25 -0.29	10.36 -0.36 -0.13	12.07 -0.39 -0.08	14.43 -0.46 -0.05	16.17 -0.45 -0.11	14.33 -0.36 -0.68	16.48 -0.46 -0.14	22.60 -0.67 0.25	17.55 -0.63 0.00	17.68 -0.73 0.00	15.08 -0.71 0.00	13.57 -0.65 0.00	14.57 -0.71 0.00	12.45 -0.63 0.00	15.20 -0.72 0.00	4.83 -0.22 -0.41	14.92 -0.72 -0.07	8.04 -0.30 -0.63	14.24 -0.37 -0.68	12.57 -0.29 -1.23	3.01 -0.09 -0.61	18.87 -0.81 0.00	16.84 -0.80 0.00
NGRID_A1_DSASP 323792	8.23 -0.60 -1.76	7.90 -0.64 -1.58	10.31 -0.94 -0.66	11.72 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.59 -0.56	15.36 -1.24 -2.58	15.91 -1.55 -0.65	20.27 -2.37 0.87	16.53 -1.66 -0.02	16.84 -1.57 0.00	14.42 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.72 -1.21 0.00	6.44 -0.36 -2.16	14.64 -1.29 -0.36	10.35 -0.67 -3.31	16.19 -1.21 -3.47	17.19 -0.92 -6.47	5.55 -0.14 -3.21	18.51 -1.17 0.00	16.96 -0.68 0.00
NGRID_A2_DSASP 323793	8.23 -0.60 -1.76	7.90 -0.64 -1.58	10.31 -0.94 -0.66	11.72 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.59 -0.56	15.36 -1.24 -2.58	15.91 -1.55 -0.65	20.27 -2.37 0.87	16.53 -1.66 -0.02	16.84 -1.57 0.00	14.42 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.72 -1.21 0.00	6.44 -0.36 -2.16	14.64 -1.29 -0.36	10.35 -0.67 -3.31	16.19 -1.21 -3.47	17.19 -0.92 -6.47	5.55 -0.14 -3.21	18.51 -1.17 0.00	16.96 -0.68 0.00
NGRID_A4_DSASP 323807	8.24 -0.60 -1.77	7.96 -0.64 -1.64	10.31 -0.94 -0.66	11.73 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.58 -0.56	15.23 -1.25 -2.45	15.90 -1.56 -0.65	20.27 -2.38 0.87	16.52 -1.66 -0.02	16.84 -1.57 0.00	14.41 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.71 -1.21 0.00	6.44 -0.36 -2.16	14.63 -1.29 -0.36	10.34 -0.67 -3.31	16.18 -1.21 -3.46	17.17 -0.93 -6.47	5.55 -0.15 -3.21	18.49 -1.18 0.00	16.96 -0.68 0.00
NIAGARA_115E_LBMP 323715	8.24 -0.59 -1.75	7.90 -0.64 -1.57	10.32 -0.93 -0.65	11.73 -1.05 -0.41	13.80 -1.30 -0.26	15.49 -1.58 -0.56	15.40 -1.17 -2.55	15.93 -1.53 -0.65	20.29 -2.35 0.87	16.53 -1.66 -0.02	16.84 -1.58 0.00	14.41 -1.38 0.00	13.03 -1.19 -0.01	14.06 -1.22 -0.01	12.05 -1.05 -0.02	14.74 -1.17 0.00	6.44 -0.35 -2.15	14.64 -1.28 -0.36	10.35 -0.66 -3.30	16.20 -1.19 -3.46	17.18 -0.91 -6.45	5.55 -0.14 -3.20	18.52 -1.15 0.00	16.98 -0.66 0.00

NIAGARA_115W_LBMP 323714	8.21 -0.62 -1.76	7.88 -0.66 -1.57	10.29 -0.96 -0.66	11.70 -1.09 -0.41	13.75 -1.35 -0.26	15.44 -1.63 -0.56	15.32 -1.27 -2.58	15.87 -1.59 -0.65	20.22 -2.43 0.87	16.48 -1.70 -0.02	16.79 -1.62 0.00	14.38 -1.41 0.00	13.01 -1.22 -0.01	14.02 -1.27 -0.01	12.02 -1.07 -0.02	14.67 -1.24 0.00	6.43 -0.37 -2.15	14.60 -1.32 -0.36	10.32 -0.69 -3.31	16.15 -1.24 -3.47	17.14 -0.95 -6.46	5.54 -0.15 -3.20	18.46 -1.22 0.00	16.92 -0.73 0.00
NIAGARA_230_LBMP 323716	8.31 -0.51 -1.74	7.96 -0.56 -1.56	10.44 -0.80 -0.65	11.88 -0.90 -0.41	13.99 -1.11 -0.26	15.69 -1.37 -0.55	15.52 -1.05 -2.55	16.11 -1.34 -0.65	20.56 -2.09 0.88	16.74 -1.45 -0.02	17.06 -1.36 0.00	14.59 -1.20 0.00	13.20 -1.02 -0.01	14.23 -1.05 -0.01	12.20 -0.90 -0.02	14.89 -1.03 0.00	6.46 -0.31 -2.13	14.82 -1.10 -0.35	10.41 -0.56 -3.27	16.34 -1.02 -3.43	17.25 -0.78 -6.39	5.54 -0.12 -3.17	18.73 -0.94 0.00	17.14 -0.50 0.00
NIAGARA__115KV_198_GIBSON 55903	8.22 -0.62 -1.76	7.94 -0.66 -1.63	10.29 -0.96 -0.66	11.70 -1.08 -0.41	13.76 -1.35 -0.26	15.45 -1.62 -0.56	15.18 -1.29 -2.45	15.86 -1.60 -0.65	20.21 -2.43 0.87	16.49 -1.70 -0.02	16.79 -1.62 0.00	14.37 -1.42 0.00	13.01 -1.22 -0.01	14.01 -1.27 -0.01	12.02 -1.08 -0.02	14.67 -1.25 0.00	6.43 -0.37 -2.15	14.59 -1.33 -0.36	10.32 -0.69 -3.31	16.14 -1.25 -3.45	17.13 -0.96 -6.46	5.54 -0.15 -3.20	18.44 -1.23 0.00	16.92 -0.72 0.00
NIAGARA____ 23760	8.26 -0.56 -1.75	7.93 -0.60 -1.57	10.37 -0.88 -0.65	11.79 -0.99 -0.41	13.88 -1.22 -0.26	15.57 -1.49 -0.55	15.44 -1.14 -2.56	16.01 -1.45 -0.65	20.42 -2.23 0.87	16.62 -1.56 -0.02	16.94 -1.47 0.00	14.49 -1.30 0.00	13.11 -1.11 -0.01	14.13 -1.15 -0.01	12.12 -0.98 -0.02	14.80 -1.12 0.00	6.46 -0.33 -2.14	14.71 -1.21 -0.36	10.37 -0.63 -3.29	16.25 -1.13 -3.45	17.20 -0.86 -6.43	5.55 -0.13 -3.19	18.58 -1.09 0.00	17.02 -0.63 0.00
NINE_MILE_1 23575	7.68 -0.30 -0.90	7.47 -0.30 -0.81	10.48 -0.45 -0.34	12.06 -0.52 -0.21	14.36 -0.61 -0.13	16.11 -0.68 -0.29	15.30 -0.53 -1.81	16.10 -0.70 0.00	21.51 -1.07 0.94	17.35 -0.81 0.01	17.61 -0.80 0.00	15.08 -0.71 0.00	13.58 -0.64 0.00	14.59 -0.69 0.00	12.52 -0.56 0.00	15.26 -0.66 0.00	5.57 -0.18 -1.11	15.14 -0.61 -0.18	9.12 -0.29 -1.71	15.25 -0.50 -1.83	14.56 -0.41 -3.33	4.06 -0.08 -1.65	18.98 -0.69 0.00	17.06 -0.59 0.00
NINE_MILE_2 23744	7.68 -0.30 -0.90	7.47 -0.30 -0.81	10.48 -0.45 -0.34	12.06 -0.52 -0.21	14.36 -0.61 -0.13	16.11 -0.68 -0.29	15.29 -0.53 -1.81	16.10 -0.70 0.00	21.52 -1.07 0.94	17.35 -0.81 0.01	17.61 -0.80 0.00	15.08 -0.70 0.00	13.58 -0.63 0.00	14.59 -0.69 0.00	12.52 -0.56 0.00	15.26 -0.66 0.00	5.57 -0.18 -1.11	15.14 -0.61 -0.18	9.12 -0.29 -1.70	15.26 -0.50 -1.83	14.56 -0.41 -3.33	4.06 -0.08 -1.65	18.99 -0.69 0.00	17.06 -0.59 0.00
NM_CAPITAL____DRP 24208	22.22 0.13 -15.02	20.43 0.12 -13.34	16.42 0.21 -5.61	16.13 0.24 -3.51	17.37 0.28 -2.25	21.55 0.26 -4.78	46.57 0.21 -32.33	42.71 0.22 -25.68	25.38 0.28 -1.58	19.51 0.22 -1.12	18.63 0.22 0.00	16.22 0.27 -0.17	14.86 0.23 -0.41	15.96 0.27 -0.43	13.83 0.23 -0.53	16.18 0.26 0.00	23.09 0.08 -18.37	18.87 0.26 -3.04	36.03 0.12 -28.21	44.39 0.22 -30.24	66.93 0.18 -55.12	29.85 0.04 -27.33	19.97 0.30 0.00	17.86 0.22 0.00
NM_CENTRAL____DRP 24181	8.03 -0.16 -1.11	7.83 -0.17 -1.03	10.76 -0.25 -0.41	12.35 -0.28 -0.26	14.68 -0.33 -0.17	16.51 -0.36 -0.35	16.13 -0.24 -2.35	16.87 -0.36 -0.42	22.08 -0.61 0.84	17.72 -0.46 -0.01	17.98 -0.43 0.00	15.39 -0.39 0.00	13.86 -0.36 -0.01	14.89 -0.38 -0.01	12.79 -0.29 -0.01	15.60 -0.32 0.00	5.97 -0.08 -1.41	15.52 -0.28 -0.23	9.74 -0.12 -2.16	16.07 -0.19 -2.33	15.70 -0.15 -4.22	4.55 -0.03 -2.09	19.40 -0.27 0.00	17.43 -0.21 0.00
NM_FRONTIER____DRP 24179	8.22 -0.62 -1.76	7.94 -0.66 -1.63	10.29 -0.96 -0.66	11.70 -1.08 -0.41	13.76 -1.35 -0.26	15.45 -1.62 -0.56	15.18 -1.29 -2.45	15.86 -1.60 -0.65	20.21 -2.43 0.87	16.49 -1.70 -0.02	16.79 -1.62 0.00	14.37 -1.42 0.00	13.01 -1.22 -0.01	14.01 -1.27 -0.01	12.02 -1.08 -0.02	14.67 -1.25 0.00	6.43 -0.37 -2.15	14.59 -1.33 -0.36	10.32 -0.69 -3.31	16.14 -1.25 -3.45	17.13 -0.96 -6.46	5.54 -0.15 -3.20	18.44 -1.23 0.00	16.92 -0.72 0.00
NM_ST_REGIS____HYD 24053	7.13 -0.12 -0.18	7.00 -0.12 -0.15	10.48 -0.18 -0.07	12.22 -0.19 -0.04	14.63 -0.23 -0.03	16.36 -0.21 -0.06	14.13 -0.22 -0.33	16.63 -0.25 -0.07	23.11 -0.28 0.13	17.89 -0.29 0.00	18.04 -0.37 0.00	15.41 -0.37 0.00	13.89 -0.32 0.00	14.92 -0.35 0.00	12.76 -0.32 0.00	15.53 -0.39 0.00	4.74 -0.12 -0.21	15.19 -0.41 -0.03	7.85 -0.18 -0.32	14.01 -0.27 -0.35	12.04 -0.23 -0.63	2.73 -0.07 -0.31	19.13 -0.55 0.00	17.14 -0.51 0.00
NORTHPORT____1 23551	19.63 0.53 -12.03	19.54 0.53 -12.04	15.86 0.77 -4.49	16.05 0.87 -2.81	17.76 1.12 -1.80	22.44 1.25 -4.68	40.93 1.10 -25.81	38.86 1.20 -20.85	28.65 1.96 -3.17	20.53 1.44 -0.91	22.75 1.46 -2.88	29.84 1.38 -12.67	15.74 1.19 -0.33	16.81 1.19 -0.35	14.52 1.02 -0.43	22.61 1.44 -5.26	60.74 0.41 -55.69	19.24 1.24 -2.43	30.89 0.62 -22.56	61.63 1.11 -46.59	56.50 0.79 -44.08	34.00 0.20 -31.32	21.14 1.46 0.00	18.86 1.22 0.00
NORTHPORT____2 23552	19.63 0.53 -12.03	19.54 0.53 -12.04	15.86 0.77 -4.49	16.05 0.87 -2.81	17.76 1.12 -1.80	22.44 1.25 -4.68	40.93 1.10 -25.81	38.86 1.20 -20.85	28.65 1.96 -3.17	20.53 1.44 -0.91	22.75 1.46 -2.88	29.84 1.38 -12.67	15.74 1.19 -0.33	16.81 1.19 -0.35	14.52 1.02 -0.43	22.61 1.44 -5.26	60.74 0.41 -55.69	19.24 1.24 -2.43	30.89 0.62 -22.56	61.63 1.11 -46.59	56.50 0.79 -44.08	34.00 0.20 -31.32	21.14 1.46 0.00	18.86 1.22 0.00
NORTHPORT____3 23553	19.63 0.52 -12.03	19.53 0.52 -12.04	15.84 0.75 -4.49	16.02 0.83 -2.81	17.71 1.07 -1.80	22.41 1.22 -4.68	40.92 1.09 -25.81	38.87 1.22 -20.85	28.61 1.92 -3.17	20.51 1.43 -0.91	22.75 1.46 -2.88	29.84 1.38 -12.67	15.73 1.18 -0.33	16.83 1.21 -0.35	14.52 1.02 -0.43	22.58 1.41 -5.26	60.74 0.41 -55.69	19.26 1.27 -2.43	30.89 0.63 -22.56	61.65 1.13 -46.59	56.48 0.77 -44.08	33.99 0.19 -31.32	21.04 1.37 0.00	18.74 1.10 0.00
NORTHPORT____4 23650	19.63 0.52 -12.03	19.53 0.52 -12.04	15.84 0.75 -4.49	16.02 0.83 -2.81	17.71 1.07 -1.80	22.41 1.22 -4.68	40.92 1.09 -25.81	38.87 1.22 -20.85	28.61 1.92 -3.17	20.51 1.43 -0.91	22.75 1.46 -2.88	29.84 1.38 -12.67	15.73 1.18 -0.33	16.83 1.21 -0.35	14.52 1.02 -0.43	22.58 1.41 -5.26	60.74 0.41 -55.69	19.26 1.27 -2.43	30.89 0.63 -22.56	61.65 1.13 -46.59	56.48 0.77 -44.08	33.99 0.19 -31.32	21.04 1.37 0.00	18.74 1.10 0.00
NORTHPORT____IC 23718	19.63 0.53 -12.03	19.54 0.53 -12.04	15.86 0.77 -4.49	16.05 0.87 -2.81	17.76 1.12 -1.80	22.44 1.25 -4.68	40.93 1.10 -25.81	38.86 1.20 -20.85	28.65 1.96 -3.17	20.53 1.44 -0.91	22.75 1.46 -2.88	29.84 1.38 -12.67	15.74 1.19 -0.33	16.81 1.19 -0.35	14.52 1.02 -0.43	22.61 1.44 -5.26	60.74 0.41 -55.69	19.24 1.24 -2.43	30.89 0.62 -22.56	61.63 1.11 -46.59	56.50 0.79 -44.08	34.00 0.20 -31.32	21.14 1.46 0.00	18.86 1.22 0.00

NORTH__COUNTRY_ESR 323785	7.23 0.15 0.00	7.09 0.13 0.00	10.77 0.18 0.00	12.60 0.22 0.00	15.13 0.29 0.00	16.92 0.41 0.00	14.34 0.32 0.00	17.16 0.35 0.00	24.09 0.63 0.06	18.55 0.38 0.00	18.71 0.30 0.00	15.98 0.20 0.00	14.43 0.22 0.00	15.51 0.24 0.00	13.25 0.18 0.00	16.09 0.17 0.00	4.71 0.06 0.00	15.65 0.09 0.00	7.78 0.07 0.00	14.13 0.20 0.00	11.77 0.13 0.00	2.49 0.00 0.00	19.72 0.04 0.00	17.66 0.02 0.00
NPX_GEN_1385_PROXY 323591	19.49 0.39 -12.03	19.47 0.47 -12.04	15.95 0.72 -4.64	16.05 0.87 -2.81	18.01 1.12 -2.06	22.20 1.01 -4.68	40.77 0.94 -25.81	38.58 0.92 -20.85	28.28 1.59 -3.17	20.01 0.93 -0.91	22.36 0.84 -3.11	29.38 0.92 -12.67	15.31 0.76 -0.33	14.93 0.65 0.98	14.11 0.61 -0.43	22.28 1.10 -5.26	60.66 0.33 -55.69	18.96 0.96 -2.43	30.77 0.51 -22.56	61.36 0.84 -46.59	56.13 0.42 -44.08	33.95 0.15 -31.32	20.63 0.96 0.00	18.60 0.95 0.00
NPX_GEN_CSC 323557	19.68 0.58 -12.03	19.58 0.58 -12.04	16.07 0.84 -4.64	16.12 0.94 -2.81	18.10 1.20 -2.06	22.57 1.38 -4.68	41.08 1.24 -25.81	39.08 1.43 -20.85	28.91 2.22 -3.17	20.52 1.44 -0.91	22.93 1.41 -3.11	29.82 1.36 -12.67	15.67 1.12 -0.33	16.73 1.11 -0.35	14.44 0.93 -0.43	22.54 1.36 -5.26	60.75 0.42 -55.69	19.30 1.31 -2.43	30.94 0.67 -22.56	61.80 1.27 -46.59	56.60 0.89 -44.08	34.03 0.22 -31.32	21.25 1.58 0.00	18.91 1.27 0.00
NSINS_S_GLNS_FALLS 23858	23.11 0.31 -15.72	21.34 0.27 -14.10	16.88 0.42 -5.87	16.55 0.51 -3.67	17.81 0.63 -2.35	22.25 0.75 -5.00	48.55 0.66 -33.87	44.32 0.76 -26.76	26.05 0.89 -1.65	20.00 0.66 -1.17	19.04 0.62 0.00	16.45 0.49 -0.17	15.07 0.43 -0.43	16.19 0.48 -0.45	14.04 0.42 -0.55	16.45 0.52 0.00	24.03 0.19 -19.19	19.46 0.71 -3.18	37.56 0.39 -29.47	46.27 0.75 -31.59	69.86 0.64 -57.59	31.17 0.13 -28.55	20.62 0.94 0.00	18.28 0.64 0.00
NUCOR_STEEL__DRP 24197	8.48 -0.06 -1.47	8.26 -0.06 -1.35	11.08 -0.06 -0.55	12.59 -0.13 -0.34	14.99 -0.07 -0.22	16.94 -0.03 -0.47	17.85 0.00 -3.83	17.33 -0.05 -0.57	22.45 -0.21 0.86	17.92 -0.27 -0.01	18.22 -0.20 0.00	15.61 -0.18 0.00	13.99 -0.23 -0.01	15.02 -0.26 -0.01	12.92 -0.17 -0.02	15.76 -0.16 0.00	6.42 -0.03 -1.80	15.87 0.01 -0.30	10.50 0.02 -2.77	17.03 0.05 -3.04	17.14 0.09 -5.41	5.19 0.02 -2.69	19.78 0.11 0.00	17.78 0.14 0.00
NUMBER_THREE_WT_PWR 323818	7.40 -0.14 -0.47	7.26 -0.13 -0.42	10.62 -0.14 -0.18	12.36 -0.13 -0.11	14.77 -0.14 -0.07	16.55 -0.11 -0.15	14.92 -0.04 -0.95	16.70 -0.11 0.00	22.97 -0.22 0.33	17.87 -0.30 0.00	17.98 -0.43 0.00	15.31 -0.47 0.00	13.75 -0.46 0.00	14.76 -0.51 0.00	12.60 -0.48 0.00	15.34 -0.58 0.00	5.00 -0.19 -0.54	15.07 -0.59 -0.09	8.35 -0.19 -0.84	14.75 -0.08 -0.90	13.21 -0.06 -1.64	3.24 -0.06 -0.81	19.10 -0.58 0.00	17.05 -0.60 0.00
NYISO_LBMP_REFERENCE 24008	7.08 0.00 0.00	6.96 0.00 0.00	10.59 0.00 0.00	12.37 0.00 0.00	14.84 0.00 0.00	16.51 0.00 0.00	14.02 0.00 0.00	16.81 0.00 0.00	23.52 0.00 0.00	18.17 0.00 0.00	18.41 0.00 0.00	15.79 0.00 0.00	14.21 0.00 0.00	15.27 0.00 0.00	13.07 0.00 0.00	15.92 0.00 0.00	4.64 0.00 0.00	15.56 0.00 0.00	7.70 0.00 0.00	13.93 0.00 0.00	11.63 0.00 0.00	2.49 0.00 0.00	19.68 0.00 0.00	17.64 0.00 0.00
NYPA_BRENTWD__GT 24164	19.71 0.60 -12.03	19.60 0.59 -12.04	15.95 0.86 -4.49	16.15 0.97 -2.81	17.88 1.24 -1.80	22.60 1.42 -4.68	41.09 1.26 -25.81	39.12 1.47 -20.85	29.00 2.31 -3.17	20.77 1.69 -0.91	22.99 1.70 -2.88	30.05 1.59 -12.67	15.90 1.35 -0.33	16.99 1.38 -0.35	14.67 1.17 -0.43	22.79 1.62 -5.26	60.80 0.47 -55.69	19.48 1.48 -2.43	31.02 0.75 -22.56	61.88 1.36 -46.59	56.71 1.00 -44.08	34.04 0.24 -31.32	21.43 1.76 0.00	19.06 1.42 0.00
NYPA_GOWANUS__GT5 24156	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NYPA_GOWANUS__GT6 24157	19.56 0.46 -12.03	18.18 0.44 -10.77	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.33 1.00 -3.82	40.76 0.93 -25.81	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.17	56.50 0.79 -44.07	24.51 0.18 -21.85	20.99 1.32 0.00	18.71 1.07 0.00
NYPA_HARLEM_RVR_GT1 24160	19.52 0.41 -12.03	18.15 0.41 -10.77	15.67 0.58 -4.49	15.81 0.63 -2.81	17.46 0.83 -1.80	21.24 0.91 -3.82	40.69 0.86 -25.81	38.71 1.06 -20.85	26.38 1.58 -1.28	20.41 1.33 -0.91	19.76 1.34 0.00	17.18 1.26 -0.14	15.67 1.12 -0.33	16.80 1.18 -0.35	14.52 1.02 -0.43	17.18 1.27 0.00	19.68 0.35 -14.69	19.16 1.17 -2.43	30.81 0.55 -22.55	39.05 0.95 -24.17	56.44 0.73 -44.07	24.50 0.16 -21.85	20.90 1.22 0.00	18.64 0.99 0.00
NYPA_HARLEM_RVR_GT2 24161	19.52 0.41 -12.03	18.15 0.41 -10.77	15.67 0.58 -4.49	15.81 0.63 -2.81	17.46 0.83 -1.80	21.24 0.91 -3.82	40.69 0.86 -25.81	38.71 1.06 -20.85	26.38 1.58 -1.28	20.41 1.33 -0.91	19.76 1.34 0.00	17.18 1.26 -0.14	15.67 1.12 -0.33	16.80 1.18 -0.35	14.52 1.02 -0.43	17.18 1.27 0.00	19.68 0.35 -14.69	19.16 1.17 -2.43	30.81 0.55 -22.55	39.05 0.95 -24.17	56.44 0.73 -44.07	24.50 0.16 -21.85	20.90 1.22 0.00	18.64 0.99 0.00
NYPA_KENT__GT 24152	19.55 0.45 -12.03	18.17 0.43 -10.77	15.70 0.62 -4.49	15.86 0.68 -2.81	17.52 0.88 -1.80	21.31 0.98 -3.82	40.74 0.91 -25.81	38.77 1.12 -20.85	26.49 1.69 -1.28	20.48 1.40 -0.91	19.87 1.45 0.00	17.27 1.35 -0.14	15.74 1.20 -0.33	16.86 1.24 -0.35	14.57 1.07 -0.43	17.25 1.33 0.00	19.70 0.37 -14.69	19.26 1.26 -2.43	30.86 0.60 -22.55	39.11 1.01 -24.17	56.49 0.78 -44.07	24.51 0.17 -21.85	20.97 1.29 0.00	18.69 1.05 0.00
NYPA_POUCH1__GT 24155	19.55 0.45 -12.03	18.17 0.43 -10.77	15.71 0.62 -4.49	15.86 0.68 -2.81	17.53 0.89 -1.80	21.32 0.98 -3.82	40.74 0.91 -25.81	38.71 1.06 -20.85	26.41 1.61 -1.28	20.43 1.34 -0.91	19.81 1.40 0.00	17.24 1.32 -0.14	15.70 1.15 -0.33	16.82 1.20 -0.35	14.53 1.02 -0.43	17.19 1.27 0.00	19.68 0.35 -14.69	19.22 1.22 -2.43	30.84 0.58 -22.55	39.06 0.95 -24.17	56.42 0.72 -44.07	24.51 0.17 -21.85	20.95 1.28 0.00	18.71 1.06 0.00
NYPA_VERNON__GT2 24162	19.54 0.44 -12.03	18.16 0.42 -10.77	15.69 0.61 -4.49	15.85 0.66 -2.81	17.50 0.86 -1.80	21.29 0.96 -3.82	40.72 0.89 -25.81	38.75 1.10 -20.85	26.46 1.66 -1.28	20.47 1.38 -0.91	19.85 1.43 0.00	17.24 1.32 -0.14	15.73 1.19 -0.33	16.85 1.23 -0.35	14.56 1.06 -0.43	17.24 1.33 0.00	19.70 0.37 -14.69	19.24 1.24 -2.43	30.85 0.59 -22.55	39.10 1.00 -24.17	56.48 0.77 -44.07	24.51 0.17 -21.85	20.94 1.27 0.00	18.67 1.03 0.00

NYPY_VERNON____GT3 24163	19.54	18.16	15.69	15.85	17.50	21.29	40.72	38.75	26.46	20.47	19.85	17.24	15.73	16.85	14.56	17.24	19.70	19.24	30.85	39.10	56.48	24.51	20.94	18.67
	0.44	0.42	0.61	0.66	0.86	0.96	0.89	1.10	1.66	1.38	1.43	1.32	1.19	1.23	1.06	1.33	0.37	1.24	0.59	1.00	0.77	0.17	1.27	1.03
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
NYPY____ASTORIA_CC1 323568	19.53	18.15	15.68	15.83	17.48	21.26	40.69	38.73	26.42	20.43	19.81	17.22	15.71	16.82	14.53	17.21	19.70	19.21	30.84	39.08	56.46	24.50	20.91	18.64
	0.43	0.42	0.59	0.65	0.85	0.93	0.87	1.08	1.62	1.35	1.40	1.30	1.16	1.21	1.03	1.30	0.36	1.21	0.58	0.98	0.76	0.16	1.24	1.00
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
NYPY____ASTORIA_CC2 323569	19.53	18.15	15.68	15.83	17.48	21.26	40.69	38.73	26.42	20.43	19.81	17.22	15.71	16.82	14.53	17.21	19.70	19.21	30.84	39.08	56.46	24.50	20.91	18.64
	0.43	0.42	0.59	0.65	0.85	0.93	0.87	1.08	1.62	1.35	1.40	1.30	1.16	1.21	1.03	1.30	0.36	1.21	0.58	0.98	0.76	0.16	1.24	1.00
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
NYPY____HOLTSVILL 23794	19.70	19.60	15.95	16.16	17.88	22.62	41.12	39.13	28.99	20.72	22.92	29.99	15.84	16.91	14.59	22.71	60.79	19.43	30.99	61.84	56.67	34.03	21.36	18.99
	0.59	0.60	0.87	0.97	1.24	1.44	1.29	1.47	2.30	1.63	1.63	1.53	1.29	1.29	1.09	1.53	0.45	1.43	0.73	1.32	0.95	0.23	1.68	1.35
	-12.03	-12.04	-4.49	-2.81	-1.80	-4.68	-25.81	-20.85	-3.17	-0.91	-2.88	-12.67	-0.33	-0.35	-0.43	-5.26	-55.69	-2.43	-22.56	-46.59	-44.08	-31.32	0.00	0.00
NYPY____HELLGATE_GT1 24158	19.52	18.15	15.67	15.81	17.46	21.24	40.69	38.71	26.38	20.41	19.76	17.18	15.67	16.80	14.52	17.18	19.68	19.16	30.81	39.05	56.44	24.50	20.90	18.64
	0.41	0.41	0.58	0.63	0.83	0.91	0.86	1.06	1.58	1.33	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.17	0.55	0.95	0.73	0.16	1.22	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
NYPY____HELLGATE_GT2 24159	19.52	18.15	15.67	15.81	17.46	21.24	40.69	38.71	26.38	20.41	19.76	17.18	15.67	16.80	14.52	17.18	19.68	19.16	30.81	39.05	56.44	24.50	20.90	18.64
	0.41	0.41	0.58	0.63	0.83	0.91	0.86	1.06	1.58	1.33	1.34	1.26	1.12	1.18	1.02	1.27	0.35	1.17	0.55	0.95	0.73	0.16	1.22	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
NYS_BARGE____HYD 23848	8.32	7.97	10.47	11.91	14.03	15.75	15.50	16.21	20.68	16.82	17.13	14.65	13.25	14.32	12.25	15.05	6.48	14.88	10.42	16.37	17.26	5.53	18.85	17.26
	-0.48	-0.53	-0.77	-0.86	-1.06	-1.30	-0.94	-1.24	-1.96	-1.37	-1.28	-1.14	-0.97	-0.96	-0.84	-0.86	-0.28	-1.04	-0.53	-0.95	-0.70	-0.10	-0.82	-0.38
	-1.72	-1.54	-0.64	-0.40	-0.26	-0.55	-2.43	-0.64	0.88	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.00	-2.11	-0.35	-3.24	-3.38	-6.33	-3.14	0.00	0.00
OAK ORCHARD____HYD 24046	8.26	7.95	10.67	12.21	14.45	16.27	15.06	16.71	21.50	17.39	17.68	15.12	13.65	14.67	12.59	15.30	6.26	15.32	10.20	16.33	16.69	5.11	19.29	17.45
	-0.27	-0.32	-0.46	-0.51	-0.60	-0.70	-0.47	-0.65	-1.12	-0.79	-0.74	-0.66	-0.57	-0.61	-0.50	-0.61	-0.17	-0.54	-0.25	-0.43	-0.30	-0.04	-0.38	-0.19
	-1.46	-1.30	-0.54	-0.34	-0.22	-0.46	-1.51	-0.55	0.89	-0.01	0.00	0.00	-0.01	-0.01	-0.02	0.00	-1.79	-0.30	-2.75	-2.83	-5.36	-2.66	0.00	0.00
OAKDALE____35_KV_LOAD 356122	10.51	10.21	11.89	13.19	15.40	17.65	21.77	18.28	22.54	18.05	18.31	15.64	14.10	15.14	13.12	16.03	8.85	16.40	14.16	20.99	24.21	8.70	19.92	17.90
	0.02	0.02	0.03	0.03	0.06	0.06	0.13	-0.09	-0.27	-0.19	-0.11	-0.16	-0.14	-0.16	0.00	0.11	0.06	0.15	0.08	0.18	0.12	0.04	0.25	0.25
	-3.42	-3.22	-1.27	-0.79	-0.51	-1.08	-7.62	-1.56	0.71	-0.06	0.00	-0.01	-0.02	-0.03	-0.04	0.00	-4.15	-0.69	-6.37	-6.88	-12.45	-6.17	0.00	0.00
OCC_CHEM____DRP 24175	8.24	7.96	10.31	11.73	13.79	15.48	15.23	15.90	20.27	16.52	16.84	14.41	13.04	14.05	12.05	14.71	6.44	14.63	10.34	16.18	17.17	5.55	18.49	16.96
	-0.60	-0.64	-0.94	-1.06	-1.31	-1.58	-1.25	-1.56	-2.38	-1.66	-1.57	-1.38	-1.19	-1.23	-1.05	-1.21	-0.36	-1.29	-0.67	-1.21	-0.93	-0.15	-1.18	-0.68
	-1.77	-1.64	-0.66	-0.41	-0.26	-0.56	-2.45	-0.65	0.87	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.00	-2.16	-0.36	-3.31	-3.46	-6.47	-3.21	0.00	0.00
OH_GEN_PROXY 24063	8.34	8.00	10.63	11.92	20.24	15.76	15.64	16.18	20.65	16.81	17.36	19.48	13.25	14.28	12.25	14.95	6.50	14.88	10.46	16.42	17.33	5.57	18.78	17.17
	-0.48	-0.53	-0.76	-0.86	-1.05	-1.30	-0.99	-1.28	-1.99	-1.38	-1.29	-1.14	-0.97	-1.00	-0.85	-0.97	-0.29	-1.04	-0.53	-0.97	-0.74	-0.11	-0.89	-0.47
	-1.75	-1.57	-0.80	-0.41	-6.45	-0.55	-2.61	-0.65	0.87	-0.02	-0.23	-4.83	-0.01	-0.01	-0.02	0.00	-2.14	-0.36	-3.29	-3.45	-6.43	-3.19	0.00	0.00
OLIN_CORP_DRP 24177	8.27	7.98	10.34	11.76	13.83	15.53	15.33	15.95	20.33	16.56	16.87	14.43	13.07	14.08	12.07	14.77	6.47	14.67	10.39	16.24	17.24	5.57	18.54	17.01
	-0.58	-0.62	-0.91	-1.02	-1.27	-1.54	-1.15	-1.51	-2.32	-1.63	-1.54	-1.35	-1.16	-1.20	-1.02	-1.15	-0.34	-1.26	-0.64	-1.17	-0.89	-0.14	-1.13	-0.63
	-1.77	-1.64	-0.66	-0.41	-0.26	-0.56	-2.46	-0.66	0.87	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.00	-2.17	-0.36	-3.32	-3.47	-6.49	-3.22	0.00	0.00
OLIN_CORP_DSASP 323712	8.23	7.90	10.31	11.72	13.79	15.48	15.36	15.91	20.27	16.53	16.84	14.42	13.04	14.05	12.05	14.72	6.44	14.64	10.35	16.19	17.19	5.55	18.51	16.96
	-0.60	-0.64	-0.94	-1.06	-1.31	-1.59	-1.24	-1.55	-2.37	-1.66	-1.57	-1.38	-1.19	-1.23	-1.05	-1.21	-0.36	-1.29	-0.67	-1.21	-0.92	-0.14	-1.17	-0.68
	-1.76	-1.58	-0.66	-0.41	-0.26	-0.56	-2.58	-0.65	0.87	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.00	-2.16	-0.36	-3.31	-3.47	-6.47	-3.21	0.00	0.00
ONEIDA_HERK_LFGE 323681	7.48	7.34	10.77	12.52	14.97	16.73	14.97	16.93	23.36	18.18	18.36	15.68	14.09	15.13	12.94	15.76	5.06	15.52	8.41	14.83	13.14	3.18	19.66	17.62
	-0.01	0.00	0.03	0.05	0.07	0.09	0.12	0.13	0.10	0.01	-0.06	-0.10	-0.12	-0.14	-0.13	-0.16	-0.05	-0.12	0.00	0.14	0.12	0.01	-0.02	-0.03
	-0.41	-0.37	-0.16	-0.10	-0.06	-0.13	-0.83	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-0.08	-0.71	-0.76	-1.38	-0.68	0.00	0.00
ONEIDA____115KV_TB4 55905	7.87	7.67	10.98	12.68	15.13	16.95	15.78	17.37	23.42	18.34	18.56	15.87	14.27	15.32	13.13	16.00	5.45	15.85	9.01	15.55	14.25	3.70	20.07	18.02
	0.07	0.07	0.11	0.14	0.18	0.21	0.24	0.31	0.27	0.16	0.14	0.08	0.05	0.05	0.05	0.08	0.03	0.16	0.12	0.34	0.29	0.06	0.40	0.37
	-0.72	-0.64	-0.27	-0.17	-0.11	-0.23	-1.52	-0.25	0.37	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.77	-0.13	-1.19	-1.28	-2.32	-1.15	0.00	0.00

ONONDAGA_REF_OCCRA 23987	8.31 -0.11 -1.34	8.11 -0.12 -1.26	10.91 -0.18 -0.50	12.48 -0.20 -0.31	14.81 -0.23 -0.20	16.70 -0.24 -0.43	16.87 -0.13 -2.98	17.06 -0.25 -0.51	22.20 -0.47 0.84	17.81 -0.37 -0.01	18.07 -0.35 0.00	15.47 -0.32 0.00	13.93 -0.30 -0.01	14.96 -0.32 -0.01	12.86 -0.23 -0.02	15.69 -0.23 0.00	6.24 -0.05 -1.65	15.67 -0.17 -0.27	10.18 -0.07 -2.54	16.59 -0.09 -2.75	16.53 -0.06 -4.96	4.94 -0.01 -2.46	19.54 -0.13 0.00	17.55 -0.09 0.00
ONONDAGA___COGEN 23986	8.22 -0.12 -1.26	7.98 -0.13 -1.15	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.65 -0.27 -0.40	16.77 -0.16 -2.91	17.01 -0.27 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.24 -0.09 -4.69	4.79 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
ONTARIO___LFGE 23819	8.68 -0.07 -1.68	8.39 -0.08 -1.50	11.12 -0.10 -0.63	12.65 -0.12 -0.39	14.99 -0.09 -0.25	16.92 -0.12 -0.53	28.49 0.01 -14.47	17.33 -0.11 -0.64	22.28 -0.37 0.87	17.90 -0.29 -0.02	18.17 -0.24 0.00	15.51 -0.27 0.00	13.97 -0.26 -0.01	14.99 -0.29 -0.01	12.90 -0.19 -0.02	15.73 -0.19 0.00	6.68 -0.02 -2.06	15.82 -0.09 -0.34	10.86 -0.01 -3.17	18.22 0.04 -4.25	17.87 0.05 -6.19	5.58 0.03 -3.07	19.82 0.14 0.00	17.88 0.24 0.00
ORANGEVILLE_WT_PWR 323706	8.88 -0.26 -2.07	8.53 -0.30 -1.85	10.98 -0.39 -0.77	12.43 -0.43 -0.48	14.59 -0.55 -0.31	16.44 -0.72 -0.65	19.16 -0.47 -5.61	16.88 -0.69 -0.77	21.52 -1.15 0.85	17.45 -0.75 -0.02	17.80 -0.62 0.00	15.19 -0.60 -0.01	13.69 -0.54 -0.01	14.73 -0.56 -0.01	12.65 -0.44 -0.02	15.48 -0.44 0.00	7.05 -0.12 -2.53	15.47 -0.52 -0.42	11.33 -0.25 -3.88	17.80 -0.41 -4.27	18.96 -0.26 -7.59	6.24 -0.01 -3.77	19.53 -0.14 0.00	17.77 0.12 0.00
ORANGEVILLE___ESR 323794	8.88 -0.26 -2.07	8.53 -0.30 -1.85	10.98 -0.39 -0.77	12.43 -0.43 -0.48	14.59 -0.55 -0.31	16.44 -0.72 -0.65	19.16 -0.47 -5.61	16.88 -0.69 -0.77	21.52 -1.15 0.85	17.45 -0.75 -0.02	17.80 -0.62 0.00	15.19 -0.60 -0.01	13.69 -0.54 -0.01	14.73 -0.56 -0.01	12.65 -0.44 -0.02	15.48 -0.44 0.00	7.05 -0.12 -2.53	15.47 -0.52 -0.42	11.33 -0.25 -3.88	17.80 -0.41 -4.27	18.96 -0.26 -7.59	6.24 -0.01 -3.77	19.53 -0.14 0.00	17.77 0.12 0.00
OSWEGATCHIE___HYD 24044	7.17 -0.25 -0.35	7.03 -0.25 -0.31	10.36 -0.36 -0.13	12.07 -0.39 -0.08	14.43 -0.46 -0.05	16.17 -0.45 -0.11	14.36 -0.36 -0.70	16.35 -0.46 0.00	22.59 -0.67 0.26	17.54 -0.63 0.00	17.68 -0.73 0.00	15.08 -0.71 0.00	13.56 -0.65 0.00	14.57 -0.71 0.00	12.45 -0.63 0.00	15.20 -0.72 0.00	4.83 -0.22 -0.41	14.92 -0.72 -0.07	8.04 -0.30 -0.63	14.24 -0.37 -0.68	12.57 -0.29 -1.23	3.01 -0.09 -0.61	18.87 -0.81 0.00	16.84 -0.80 0.00
OSWEGO___5 23606	7.84 -0.25 -1.02	7.61 -0.26 -0.91	10.58 -0.39 -0.38	12.16 -0.45 -0.24	14.46 -0.53 -0.15	16.25 -0.59 -0.32	15.62 -0.44 -2.04	16.20 -0.60 0.00	21.65 -0.94 0.93	17.44 -0.72 0.01	17.71 -0.70 0.00	15.17 -0.62 0.00	13.65 -0.56 0.00	14.67 -0.61 0.00	12.59 -0.49 -0.01	15.35 -0.56 0.00	5.74 -0.16 -1.25	15.26 -0.52 -0.21	9.39 -0.24 -1.93	15.58 -0.41 -2.06	15.06 -0.33 -3.76	4.29 -0.07 -1.86	19.11 -0.57 0.00	17.17 -0.47 0.00
OSWEGO___6 23613	7.84 -0.25 -1.02	7.61 -0.26 -0.91	10.58 -0.39 -0.38	12.16 -0.45 -0.24	14.46 -0.53 -0.15	16.25 -0.59 -0.32	15.62 -0.44 -2.04	16.20 -0.60 0.00	21.65 -0.94 0.93	17.44 -0.72 0.01	17.71 -0.70 0.00	15.17 -0.62 0.00	13.65 -0.56 0.00	14.67 -0.61 0.00	12.59 -0.49 -0.01	15.35 -0.56 0.00	5.74 -0.16 -1.25	15.26 -0.52 -0.21	9.39 -0.24 -1.93	15.58 -0.41 -2.06	15.06 -0.33 -3.76	4.29 -0.07 -1.86	19.11 -0.57 0.00	17.17 -0.47 0.00
OUTOKUMPU-AB___DRP 24206	8.46 -0.41 -1.80	8.17 -0.45 -1.66	10.61 -0.65 -0.67	12.08 -0.71 -0.42	14.21 -0.89 -0.27	15.97 -1.11 -0.57	15.73 -0.82 -2.53	16.40 -1.07 -0.66	20.96 -1.69 0.87	17.06 -1.13 -0.02	17.38 -1.03 0.00	14.86 -0.93 0.00	13.42 -0.80 -0.01	14.47 -0.81 -0.01	12.41 -0.68 -0.02	15.18 -0.74 0.00	6.61 -0.22 -2.19	15.07 -0.85 -0.36	10.63 -0.44 -3.36	16.66 -0.78 -3.52	17.63 -0.57 -6.57	5.67 -0.07 -3.26	19.06 -0.61 0.00	17.46 -0.18 0.00
OXBOW____ 24026	8.36 -0.49 -1.77	8.02 -0.53 -1.59	10.49 -0.77 -0.66	11.93 -0.85 -0.41	14.04 -1.07 -0.27	15.76 -1.31 -0.56	15.66 -0.99 -2.63	16.21 -1.26 -0.66	20.68 -1.97 0.87	16.83 -1.35 -0.02	17.16 -1.26 0.00	14.67 -1.12 0.00	13.26 -0.96 -0.01	14.30 -0.98 -0.01	12.26 -0.83 -0.02	14.99 -0.93 0.00	6.54 -0.28 -2.17	14.90 -1.02 -0.36	10.51 -0.53 -3.34	16.47 -0.96 -3.50	17.44 -0.71 -6.52	5.62 -0.10 -3.23	18.85 -0.83 0.00	17.26 -0.39 0.00
OXY_CHEM_DSASP 323612	8.24 -0.60 -1.77	7.96 -0.64 -1.64	10.31 -0.94 -0.66	11.73 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.58 -0.56	15.23 -1.25 -2.45	15.90 -1.56 -0.65	20.27 -2.38 0.87	16.52 -1.66 -0.02	16.84 -1.57 0.00	14.41 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.71 -1.21 0.00	6.44 -0.36 -2.16	14.63 -1.29 -0.36	10.34 -0.67 -3.31	16.18 -1.21 -3.46	17.17 -0.93 -6.47	5.55 -0.15 -3.21	18.49 -1.18 0.00	16.96 -0.68 0.00
OZONE_PARK_ESR 323760	19.58 0.49 -12.02	18.14 0.46 -10.71	15.74 0.66 -4.49	15.91 0.72 -2.81	17.58 0.95 -1.80	21.38 1.05 -3.81	40.83 0.98 -25.84	38.86 1.20 -20.84	26.61 1.81 -1.28	20.56 1.47 -0.91	19.94 1.53 0.00	17.31 1.39 -0.13	15.80 1.25 -0.33	16.94 1.32 -0.35	14.63 1.13 -0.43	17.34 1.42 0.00	19.73 0.41 -14.69	19.34 1.34 -2.43	30.90 0.64 -22.55	39.21 1.10 -24.18	56.57 0.87 -44.07	24.52 0.19 -21.85	21.09 1.41 0.00	18.79 1.14 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	8.24 -0.60 -1.77	7.96 -0.64 -1.64	10.31 -0.94 -0.66	11.73 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.58 -0.56	15.23 -1.25 -2.45	15.90 -1.56 -0.65	20.27 -2.38 0.87	16.52 -1.66 -0.02	16.84 -1.57 0.00	14.41 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.71 -1.21 0.00	6.44 -0.36 -2.16	14.63 -1.29 -0.36	10.34 -0.67 -3.31	16.18 -1.21 -3.46	17.17 -0.93 -6.47	5.55 -0.15 -3.21	18.49 -1.18 0.00	16.96 -0.68 0.00
PACKARD__115KV_DUPONT_184 80571	8.24 -0.60 -1.77	7.96 -0.64 -1.64	10.31 -0.94 -0.66	11.73 -1.06 -0.41	13.79 -1.31 -0.26	15.48 -1.58 -0.56	15.23 -1.25 -2.45	15.90 -1.56 -0.65	20.27 -2.38 0.87	16.52 -1.66 -0.02	16.84 -1.57 0.00	14.41 -1.38 0.00	13.04 -1.19 -0.01	14.05 -1.23 -0.01	12.05 -1.05 -0.02	14.71 -1.21 0.00	6.44 -0.36 -2.16	14.63 -1.29 -0.36	10.34 -0.67 -3.31	16.18 -1.21 -3.46	17.17 -0.93 -6.47	5.55 -0.15 -3.21	18.49 -1.18 0.00	16.96 -0.68 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	19.51 0.42 -12.02	18.09 0.41 -10.71	15.67 0.58 -4.49	15.82 0.63 -2.81	17.47 0.83 -1.80	21.24 0.92 -3.81	40.73 0.87 -25.84	38.73 1.08 -20.85	26.41 1.60 -1.28	20.42 1.33 -0.91	19.77 1.36 0.00	17.18 1.26 -0.14	15.67 1.12 -0.33	16.80 1.18 -0.35	14.51 1.01 -0.43	17.18 1.26 0.00	19.69 0.35 -14.69	19.18 1.18 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.18	56.45 0.74 -44.07	24.50 0.16 -21.85	20.91 1.24 0.00	18.63 0.99 0.00

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	19.50 0.40 -12.02	18.09 0.41 -10.71	15.67 0.58 -4.49	15.82 0.63 -2.81	17.47 0.83 -1.80	21.21 0.89 -3.81	40.68 0.82 -25.84	38.66 1.01 -20.85	26.33 1.53 -1.28	20.36 1.28 -0.91	19.72 1.30 0.00	17.13 1.21 -0.14	15.62 1.08 -0.33	16.75 1.13 -0.35	14.47 0.97 -0.43	17.13 1.21 0.00	19.67 0.34 -14.69	19.13 1.14 -2.43	30.80 0.54 -22.55	39.03 0.92 -24.18	56.41 0.70 -44.07	24.49 0.15 -21.85	20.85 1.18 0.00	18.64 1.00 0.00
PATROON__115KV_TB1 80586	22.35 0.13 -15.15	20.57 0.12 -13.48	16.46 0.21 -5.66	16.16 0.24 -3.54	17.39 0.28 -2.27	21.60 0.27 -4.82	46.86 0.23 -32.61	42.92 0.23 -25.89	25.41 0.29 -1.60	19.54 0.23 -1.13	18.64 0.23 0.00	16.23 0.28 -0.17	14.88 0.25 -0.41	15.98 0.28 -0.43	13.85 0.25 -0.53	16.19 0.27 0.00	23.26 0.09 -18.52	18.92 0.29 -3.07	36.28 0.13 -28.44	44.66 0.24 -30.49	67.40 0.19 -55.58	30.09 0.04 -27.55	19.99 0.31 0.00	17.88 0.24 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	8.80 -0.22 -1.95	8.52 -0.26 -1.81	10.97 -0.34 -0.72	12.43 -0.39 -0.45	14.68 -0.45 -0.29	16.49 -0.64 -0.62	16.48 -0.43 -2.89	16.96 -0.56 -0.72	21.67 -0.99 0.86	17.59 -0.60 -0.02	17.90 -0.51 0.00	15.30 -0.49 0.00	13.83 -0.39 -0.01	14.90 -0.38 -0.01	12.78 -0.32 -0.02	15.62 -0.30 0.00	6.93 -0.09 -2.38	15.55 -0.41 -0.39	11.13 -0.24 -3.66	17.38 -0.40 -3.85	18.51 -0.27 -7.15	6.03 -0.01 -3.55	19.58 -0.10 0.00	17.88 0.24 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	19.63 0.43 -12.12	18.15 0.41 -10.78	15.71 0.59 -4.53	15.86 0.65 -2.83	17.50 0.85 -1.81	21.32 0.97 -3.85	40.98 0.90 -26.06	38.93 1.11 -21.01	26.41 1.60 -1.29	20.36 1.27 -0.92	19.72 1.31 0.00	17.10 1.18 -0.13	15.60 1.06 -0.33	16.74 1.12 -0.35	14.48 0.97 -0.43	17.14 1.22 0.00	19.81 0.35 -14.81	19.21 1.19 -2.45	31.04 0.59 -22.74	39.34 1.02 -24.38	56.90 0.82 -44.44	24.69 0.17 -22.03	20.97 1.29 0.00	18.67 1.02 0.00
PEEKSKILL____ 23653	19.36 0.38 -11.90	17.98 0.36 -10.66	15.56 0.52 -4.44	15.73 0.58 -2.78	17.37 0.75 -1.78	21.14 0.85 -3.78	40.34 0.79 -25.53	38.42 0.97 -20.64	26.22 1.43 -1.27	20.22 1.15 -0.90	19.61 1.20 0.00	17.02 1.10 -0.13	15.52 0.98 -0.33	16.65 1.04 -0.34	14.39 0.89 -0.42	17.05 1.14 0.00	19.50 0.32 -14.53	19.05 1.08 -2.41	30.54 0.52 -22.31	38.74 0.90 -23.91	55.94 0.71 -43.60	24.25 0.15 -21.61	20.81 1.13 0.00	18.55 0.90 0.00
PGE MADISON__WINDPWR 24146	10.69 0.42 -3.20	10.24 0.42 -2.86	12.42 0.64 -1.19	13.88 0.76 -0.75	16.28 0.97 -0.48	18.68 1.16 -1.01	22.41 1.09 -7.31	20.75 1.15 -2.79	24.22 1.20 0.50	18.97 0.69 -0.11	19.09 0.67 0.00	16.27 0.46 -0.02	14.66 0.40 -0.04	15.73 0.41 -0.05	13.57 0.43 -0.06	16.37 0.45 0.00	8.73 0.17 -3.91	16.93 0.72 -0.65	14.15 0.44 -6.01	21.44 1.02 -6.49	24.24 0.86 -11.74	8.50 0.19 -5.82	21.12 1.44 0.00	18.94 1.30 0.00
PIERCEFIELD__HYD 23852	7.05 -0.22 -0.19	6.93 -0.20 -0.16	10.37 -0.30 -0.07	12.09 -0.33 -0.05	14.46 -0.41 -0.03	16.16 -0.42 -0.06	13.98 -0.40 -0.36	16.42 -0.47 -0.08	22.78 -0.60 0.14	17.65 -0.52 0.00	17.81 -0.60 0.00	15.22 -0.57 0.00	13.71 -0.50 0.00	14.73 -0.54 0.00	12.60 -0.48 0.00	15.34 -0.58 0.00	4.70 -0.18 -0.23	15.02 -0.58 -0.04	7.79 -0.27 -0.35	13.88 -0.43 -0.38	11.96 -0.36 -0.69	2.73 -0.10 -0.34	18.91 -0.77 0.00	16.94 -0.70 0.00
PINELAWN_CC_1 323563	19.68 0.57 -12.03	19.54 0.56 -12.02	15.89 0.81 -4.49	16.08 0.90 -2.81	17.79 1.16 -1.80	22.50 1.33 -4.66	41.02 1.19 -25.81	39.03 1.37 -20.85	28.84 2.15 -3.17	20.67 1.58 -0.91	22.89 1.60 -2.88	29.96 1.50 -12.67	15.84 1.30 -0.33	16.94 1.32 -0.35	14.61 1.11 -0.43	22.69 1.51 -5.26	60.77 0.44 -55.69	19.38 1.38 -2.43	30.96 0.70 -22.56	61.79 1.27 -46.59	56.65 0.94 -44.08	34.02 0.22 -31.32	21.30 1.63 0.00	18.95 1.31 0.00
PJM_GEN_HTP_PROXY 323702	19.52 0.42 -12.03	18.13 0.40 -10.77	15.66 0.58 -4.49	15.80 0.62 -2.81	17.47 0.83 -1.80	21.39 0.93 -3.95	40.68 0.86 -25.80	37.74 1.06 -19.88	26.39 1.59 -1.28	20.39 1.31 -0.91	19.77 1.36 0.00	17.15 1.23 -0.13	15.66 1.11 -0.33	16.79 1.17 -0.35	14.50 1.00 -0.43	17.20 1.28 0.00	19.69 0.36 -14.68	19.20 1.20 -2.43	30.83 0.57 -22.55	39.07 0.97 -24.17	56.45 0.76 -44.07	24.50 0.16 -21.85	20.89 1.22 0.00	18.62 0.98 0.00
PJM_GEN_KEystone 24065	14.50 0.11 -7.32	13.61 0.09 -6.55	13.46 0.14 -2.73	14.20 0.12 -1.71	16.13 0.20 -1.10	19.15 0.18 -2.46	29.87 0.25 -15.60	27.36 0.25 -10.30	24.11 0.31 -0.28	18.97 0.31 -0.49	18.80 0.38 0.00	16.20 0.34 -0.07	14.71 0.32 -0.18	15.80 0.34 -0.19	13.63 0.32 -0.23	16.36 0.44 0.00	13.73 0.13 -8.95	17.44 0.39 -1.48	21.62 0.18 -13.74	28.97 0.31 -14.73	38.74 0.24 -26.87	15.87 0.07 -13.32	20.16 0.48 0.00	18.12 0.48 0.00
PJM_GEN_NEPTUNE_PROXY 323594	19.60 0.49 -12.03	18.85 0.49 -11.40	15.78 0.70 -4.49	15.95 0.77 -2.81	17.63 0.99 -1.80	22.03 1.14 -4.38	40.85 1.01 -25.81	37.86 1.17 -19.88	27.70 1.84 -2.34	20.46 1.38 -0.91	21.46 1.43 -1.61	24.28 1.35 -7.14	15.71 1.17 -0.33	16.82 1.20 -0.35	14.52 1.02 -0.43	20.24 1.38 -2.94	42.66 0.39 -37.62	19.23 1.23 -2.43	30.88 0.62 -22.56	51.74 1.10 -36.71	56.51 0.80 -44.08	29.82 0.19 -27.14	21.04 1.37 0.00	18.75 1.10 0.00
PJM_GEN_VFT_PROXY 323633	19.49 0.39 -12.03	18.10 0.37 -10.77	15.60 0.52 -4.49	15.75 0.57 -2.81	17.39 0.76 -1.80	21.30 0.84 -3.95	40.60 0.77 -25.81	37.64 0.95 -19.88	26.25 1.45 -1.28	20.29 1.21 -0.91	19.67 1.26 0.00	17.11 1.19 -0.13	15.62 1.07 -0.33	16.72 1.11 -0.35	14.44 0.94 -0.43	17.11 1.19 0.00	19.67 0.34 -14.69	19.11 1.11 -2.43	30.78 0.52 -22.55	38.98 0.88 -24.17	56.38 0.68 -44.07	24.48 0.15 -21.85	20.78 1.10 0.00	18.54 0.89 0.00
PLATSBRG_115KV_PMLD1 355749	7.54 0.38 -0.08	7.34 0.31 -0.06	11.08 0.45 -0.03	12.95 0.56 -0.02	15.58 0.72 -0.01	17.48 0.95 -0.03	14.97 0.81 -0.14	17.69 0.85 -0.03	24.85 1.38 0.05	19.01 0.84 0.00	19.24 0.83 0.00	16.44 0.66 0.00	14.84 0.63 0.00	15.93 0.66 0.00	13.63 0.55 0.00	16.53 0.61 0.00	4.95 0.21 -0.09	16.09 0.51 -0.02	8.17 0.32 -0.14	14.79 0.70 -0.16	12.49 0.58 -0.28	2.72 0.09 -0.14	20.40 0.72 0.00	18.13 0.49 0.00
PLEASANTVLY__LBMP 24000	20.01 0.33 -12.61	18.52 0.31 -11.24	15.76 0.46 -4.71	15.83 0.51 -2.95	17.38 0.65 -1.89	21.25 0.75 -4.00	41.76 0.68 -27.06	39.44 0.84 -21.79	26.07 1.21 -1.34	20.10 0.98 -0.95	19.43 1.01 0.00	16.86 0.94 -0.14	15.40 0.84 -0.35	16.51 0.88 -0.36	14.29 0.76 -0.45	16.88 0.96 0.00	20.32 0.27 -15.40	19.03 0.91 -2.55	31.79 0.44 -23.65	40.05 0.76 -25.35	58.45 0.61 -46.21	25.53 0.13 -22.91	20.65 0.97 0.00	18.40 0.76 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	19.58 0.40 -12.11	18.13 0.37 -10.79	15.66 0.54 -4.52	15.80 0.60 -2.83	17.43 0.78 -1.81	21.23 0.88 -3.84	40.84 0.81 -26.02	38.79 1.00 -20.99	26.29 1.48 -1.29	20.28 1.19 -0.92	19.66 1.25 0.00	17.07 1.15 -0.13	15.58 1.03 -0.33	16.71 1.10 -0.35	14.45 0.94 -0.43	17.09 1.17 0.00	19.77 0.33 -14.79	19.12 1.10 -2.45	30.95 0.53 -22.71	39.21 0.92 -24.35	56.75 0.74 -44.38	24.65 0.16 -22.00	20.84 1.16 0.00	18.57 0.92 0.00

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	19.58 0.40 -12.11	18.13 0.37 -10.79	15.66 0.54 -4.52	15.80 0.60 -2.83	17.43 0.78 -1.81	21.23 0.88 -3.84	40.84 0.81 -26.02	38.79 1.00 -20.99	26.29 1.48 -1.29	20.28 1.19 -0.92	19.66 1.25 0.00	17.07 1.15 -0.13	15.58 1.03 -0.33	16.71 1.10 -0.35	14.45 0.94 -0.43	17.09 1.17 0.00	19.77 0.33 -14.79	19.12 1.10 -2.45	30.95 0.53 -22.71	39.21 0.92 -24.35	56.75 0.74 -44.38	24.65 0.16 -22.00	20.84 1.16 0.00	18.57 0.92 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	19.70 0.38 -12.25	18.19 0.36 -10.87	15.70 0.53 -4.57	15.82 0.59 -2.86	17.43 0.75 -1.83	21.27 0.87 -3.89	41.04 0.79 -26.23	39.01 0.98 -21.22	26.23 1.41 -1.30	20.20 1.10 -0.93	19.54 1.13 0.00	16.94 1.02 -0.14	15.47 0.92 -0.34	16.60 0.98 -0.35	14.36 0.85 -0.43	16.98 1.06 0.00	19.92 0.31 -14.97	19.09 1.05 -2.48	31.21 0.52 -22.98	39.48 0.91 -24.64	57.29 0.74 -44.92	24.91 0.15 -22.27	20.83 1.15 0.00	18.56 0.92 0.00
POLETTI____ 23519	19.51 0.42 -12.02	18.08 0.39 -10.71	15.65 0.57 -4.49	15.80 0.62 -2.81	17.46 0.82 -1.80	21.23 0.91 -3.81	40.69 0.83 -25.84	38.67 1.02 -20.84	26.35 1.55 -1.28	20.38 1.29 -0.91	19.77 1.36 0.00	17.16 1.24 -0.13	15.66 1.12 -0.33	16.79 1.17 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.68 0.35 -14.69	19.17 1.17 -2.43	30.81 0.56 -22.55	39.05 0.94 -24.18	56.43 0.73 -44.07	24.49 0.16 -21.85	20.88 1.20 0.00	18.61 0.97 0.00
PORT_JEFF_3 23555	19.72 0.61 -12.03	19.61 0.61 -12.04	15.97 0.88 -4.49	16.18 0.99 -2.81	17.91 1.27 -1.80	22.65 1.47 -4.68	41.15 1.32 -25.81	39.16 1.51 -20.85	29.04 2.35 -3.17	20.75 1.67 -0.91	22.95 1.66 -2.88	30.03 1.56 -12.67	15.87 1.32 -0.33	16.94 1.33 -0.35	14.62 1.12 -0.43	22.75 1.58 -5.26	60.80 0.47 -55.69	19.47 1.48 -2.43	31.01 0.75 -22.56	61.89 1.37 -46.59	56.69 0.98 -44.08	34.04 0.24 -31.32	21.41 1.74 0.00	19.03 1.39 0.00
PORT_JEFF_4 23616	19.72 0.61 -12.03	19.61 0.61 -12.04	15.97 0.88 -4.49	16.18 0.99 -2.81	17.91 1.27 -1.80	22.65 1.47 -4.68	41.15 1.32 -25.81	39.16 1.51 -20.85	29.04 2.35 -3.17	20.75 1.67 -0.91	22.95 1.66 -2.88	30.03 1.56 -12.67	15.87 1.32 -0.33	16.94 1.33 -0.35	14.62 1.12 -0.43	22.75 1.58 -5.26	60.80 0.47 -55.69	19.47 1.48 -2.43	31.01 0.75 -22.56	61.89 1.37 -46.59	56.69 0.98 -44.08	34.04 0.24 -31.32	21.41 1.74 0.00	19.03 1.39 0.00
PORT_JEFF_IC 23713	19.72 0.62 -12.03	19.61 0.61 -12.04	15.97 0.89 -4.49	16.18 0.99 -2.81	17.91 1.27 -1.80	22.66 1.47 -4.68	41.16 1.33 -25.81	39.18 1.53 -20.85	29.06 2.37 -3.17	20.76 1.67 -0.91	22.95 1.66 -2.88	30.03 1.57 -12.67	15.87 1.32 -0.33	16.95 1.33 -0.35	14.63 1.13 -0.43	22.76 1.59 -5.26	60.80 0.47 -55.69	19.49 1.50 -2.43	31.02 0.76 -22.56	61.91 1.39 -46.59	56.69 0.98 -44.08	34.04 0.24 -31.32	21.43 1.76 0.00	19.03 1.39 0.00
PPL PILGRIM_ST_GT1 24216	19.71 0.60 -12.03	19.60 0.59 -12.04	15.95 0.86 -4.49	16.15 0.97 -2.81	17.88 1.24 -1.80	22.60 1.42 -4.68	41.09 1.26 -25.81	39.12 1.47 -20.85	29.00 2.31 -3.17	20.77 1.69 -0.91	22.99 1.70 -2.88	30.05 1.59 -12.67	15.90 1.35 -0.33	16.99 1.38 -0.35	14.67 1.17 -0.43	22.79 1.62 -5.26	60.80 0.47 -55.69	19.48 1.48 -2.43	31.02 0.75 -22.56	61.88 1.36 -46.59	56.71 1.00 -44.08	34.04 0.24 -31.32	21.43 1.76 0.00	19.06 1.42 0.00
PPL PILGRIM_ST_GT2 24217	19.71 0.60 -12.03	19.60 0.59 -12.04	15.95 0.86 -4.49	16.15 0.97 -2.81	17.88 1.24 -1.80	22.60 1.42 -4.68	41.09 1.26 -25.81	39.12 1.47 -20.85	29.00 2.31 -3.17	20.77 1.69 -0.91	22.99 1.70 -2.88	30.05 1.59 -12.67	15.90 1.35 -0.33	16.99 1.38 -0.35	14.67 1.17 -0.43	22.79 1.62 -5.26	60.80 0.47 -55.69	19.48 1.48 -2.43	31.02 0.75 -22.56	61.88 1.36 -46.59	56.71 1.00 -44.08	34.04 0.24 -31.32	21.43 1.76 0.00	19.06 1.42 0.00
PPL_SHRM_GT3 24213	19.68 0.58 -12.03	19.59 0.59 -12.04	15.93 0.85 -4.49	16.13 0.95 -2.81	17.86 1.22 -1.80	22.59 1.40 -4.68	41.08 1.25 -25.81	39.09 1.44 -20.85	28.92 2.23 -3.17	20.53 1.45 -0.91	22.71 1.42 -2.88	29.82 1.36 -12.67	15.67 1.12 -0.33	16.73 1.11 -0.35	14.44 0.94 -0.43	22.54 1.36 -5.26	60.75 0.42 -55.69	19.31 1.31 -2.43	30.94 0.68 -22.56	61.80 1.28 -46.59	56.61 0.90 -44.08	34.03 0.23 -31.32	21.27 1.59 0.00	18.93 1.29 0.00
PPL_SHRM_GT4 24214	19.68 0.58 -12.03	19.59 0.59 -12.04	15.93 0.85 -4.49	16.13 0.95 -2.81	17.86 1.22 -1.80	22.59 1.40 -4.68	41.08 1.25 -25.81	39.09 1.44 -20.85	28.92 2.23 -3.17	20.53 1.45 -0.91	22.71 1.42 -2.88	29.82 1.36 -12.67	15.67 1.12 -0.33	16.73 1.11 -0.35	14.44 0.94 -0.43	22.54 1.36 -5.26	60.75 0.42 -55.69	19.31 1.31 -2.43	30.94 0.68 -22.56	61.80 1.28 -46.59	56.61 0.90 -44.08	34.03 0.23 -31.32	21.27 1.59 0.00	18.93 1.29 0.00
PROJECT____ORANGE 1 24174	8.05 -0.15 -1.13	7.86 -0.16 -1.05	10.77 -0.24 -0.42	12.36 -0.28 -0.26	14.69 -0.32 -0.17	16.52 -0.35 -0.36	16.19 -0.22 -2.40	16.89 -0.35 -0.43	22.08 -0.60 0.84	17.73 -0.45 -0.01	17.99 -0.42 0.00	15.40 -0.39 0.00	13.87 -0.35 -0.01	14.90 -0.37 -0.01	12.80 -0.28 -0.01	15.62 -0.30 0.00	6.00 -0.08 -1.43	15.54 -0.26 -0.24	9.78 -0.11 -2.19	16.11 -0.18 -2.36	15.77 -0.14 -4.28	4.59 -0.02 -2.12	19.42 -0.25 0.00	17.45 -0.19 0.00
PROJECT____ORANGE 2 24166	8.05 -0.15 -1.13	7.86 -0.16 -1.05	10.77 -0.24 -0.42	12.36 -0.28 -0.26	14.69 -0.32 -0.17	16.52 -0.35 -0.36	16.19 -0.22 -2.40	16.89 -0.35 -0.43	22.08 -0.60 0.84	17.73 -0.45 -0.01	17.99 -0.42 0.00	15.40 -0.39 0.00	13.87 -0.35 -0.01	14.90 -0.37 -0.01	12.80 -0.28 -0.01	15.62 -0.30 0.00	6.00 -0.08 -1.43	15.54 -0.26 -0.24	9.78 -0.11 -2.19	16.11 -0.18 -2.36	15.77 -0.14 -4.28	4.59 -0.02 -2.12	19.42 -0.25 0.00	17.45 -0.19 0.00
PUCKETT____SOLAR 323809	10.67 0.13 -3.46	10.20 0.13 -3.10	12.09 0.20 -1.29	13.41 0.23 -0.81	15.67 0.31 -0.52	17.98 0.37 -1.10	22.07 0.41 -7.64	19.17 0.25 -2.11	23.02 0.12 0.62	18.27 0.02 -0.08	18.47 0.06 0.00	15.77 -0.03 -0.01	14.22 -0.03 -0.03	15.27 -0.04 -0.04	13.21 0.08 -0.05	16.09 0.18 0.00	8.97 0.09 -4.24	16.58 0.32 -0.70	14.40 0.20 -6.50	21.38 0.44 -7.01	24.69 0.35 -12.70	8.87 0.08 -6.30	20.28 0.60 0.00	18.19 0.55 0.00
PYRITES____HYD 24023	7.19 -0.07 -0.18	7.07 -0.04 -0.15	10.60 -0.06 -0.07	12.36 -0.06 -0.04	14.79 -0.08 -0.03	16.51 -0.06 -0.06	14.23 -0.13 -0.34	16.71 -0.17 -0.07	23.18 -0.21 0.13	18.00 -0.18 0.00	18.17 -0.24 0.00	15.52 -0.26 0.00	13.99 -0.22 0.00	15.02 -0.25 0.00	12.85 -0.22 0.00	15.65 -0.27 0.00	4.77 -0.08 -0.21	15.33 -0.27 -0.04	7.92 -0.11 -0.33	14.14 -0.14 -0.36	12.17 -0.11 -0.64	2.76 -0.04 -0.32	19.37 -0.31 0.00	17.39 -0.25 0.00
QUAKERRD_115KV_BK1 80622	8.09 -0.40 -1.41	7.79 -0.42 -1.25	10.49 -0.63 -0.53	11.99 -0.71 -0.33	14.20 -0.85 -0.21	15.98 -0.97 -0.45	14.20 -0.74 -0.92	16.39 -0.95 -0.53	21.12 -1.50 0.90	17.08 -1.11 -0.01	17.35 -1.07 0.00	14.84 -0.95 0.00	13.39 -0.84 -0.01	14.38 -0.90 -0.01	12.34 -0.75 -0.02	15.01 -0.91 0.00	6.13 -0.25 -1.73	15.02 -0.83 -0.29	9.97 -0.39 -2.66	15.90 -0.70 -2.66	16.29 -0.54 -5.20	4.97 -0.09 -2.58	18.86 -0.81 0.00	17.06 -0.58 0.00

QUENSBRY_115KV_TB8 356137	23.13	21.35	16.88	16.56	17.82	22.28	48.61	44.36	26.08	20.02	19.06	16.46	15.09	16.20	14.05	16.45	24.06	19.48	37.61	46.33	69.94	31.19	20.65	18.27
	0.32	0.27	0.42	0.51	0.63	0.77	0.69	0.78	0.92	0.68	0.64	0.51	0.45	0.49	0.42	0.53	0.20	0.74	0.40	0.78	0.66	0.13	0.98	0.63
	-15.74	-14.12	-5.87	-3.67	-2.35	-5.00	-33.90	-26.77	-1.65	-1.17	0.00	-0.17	-0.43	-0.45	-0.55	0.00	-19.21	-3.18	-29.50	-31.62	-57.64	-28.58	0.00	0.00
RAMAPO____LBMP 323565	18.97	17.59	15.41	15.63	17.29	21.00	39.59	37.81	26.15	20.17	19.58	16.99	15.49	16.61	14.35	17.02	19.04	18.96	29.84	37.99	54.58	23.58	20.79	18.53
	0.37	0.35	0.51	0.56	0.73	0.83	0.77	0.96	1.40	1.12	1.16	1.08	0.95	1.00	0.87	1.10	0.31	1.06	0.51	0.88	0.70	0.15	1.11	0.89
	-11.53	-10.27	-4.30	-2.70	-1.72	-3.66	-24.81	-20.04	-1.23	-0.88	0.00	-0.13	-0.32	-0.33	-0.41	0.00	-14.08	-2.33	-21.62	-23.18	-42.25	-20.95	0.00	0.00
RANKINE____ 23646	8.67	8.38	10.81	12.29	14.48	16.27	16.20	16.74	21.38	17.38	17.71	15.12	13.66	14.72	12.62	15.42	6.80	15.35	10.93	17.11	18.19	5.89	19.39	17.72
	-0.30	-0.35	-0.49	-0.52	-0.64	-0.84	-0.60	-0.76	-1.28	-0.81	-0.71	-0.67	-0.57	-0.56	-0.48	-0.50	-0.15	-0.60	-0.31	-0.54	-0.37	-0.03	-0.28	0.08
	-1.90	-1.76	-0.70	-0.44	-0.28	-0.60	-2.78	-0.70	0.87	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.00	-2.31	-0.38	-3.54	-3.72	-6.93	-3.43	0.00	0.00
RAVENSWOOD_GT2_1 24244	19.53	18.14	15.66	15.81	17.47	21.25	40.68	38.71	26.38	20.39	19.77	17.16	15.67	16.80	14.51	17.19	19.69	19.19	30.82	39.07	56.46	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.93	0.85	1.05	1.58	1.30	1.36	1.25	1.12	1.17	1.01	1.27	0.36	1.19	0.57	0.97	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT2_2 24245	19.53	18.14	15.66	15.81	17.47	21.25	40.68	38.71	26.38	20.39	19.77	17.16	15.67	16.80	14.51	17.19	19.69	19.19	30.82	39.07	56.46	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.93	0.85	1.05	1.58	1.30	1.36	1.25	1.12	1.17	1.01	1.27	0.36	1.19	0.57	0.97	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT2_3 24246	19.53	18.14	15.66	15.81	17.47	21.26	40.68	38.71	26.39	20.39	19.78	17.17	15.67	16.80	14.51	17.20	19.69	19.20	30.83	39.08	56.46	24.50	20.90	18.63
	0.43	0.41	0.58	0.63	0.84	0.93	0.86	1.06	1.59	1.31	1.37	1.25	1.13	1.18	1.01	1.28	0.36	1.20	0.57	0.97	0.76	0.16	1.23	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT2_4 24247	19.53	18.14	15.66	15.81	17.47	21.26	40.68	38.71	26.39	20.39	19.78	17.17	15.67	16.80	14.51	17.20	19.69	19.20	30.83	39.08	56.46	24.50	20.90	18.63
	0.43	0.41	0.58	0.63	0.84	0.93	0.86	1.06	1.59	1.31	1.37	1.25	1.13	1.18	1.01	1.28	0.36	1.20	0.57	0.97	0.76	0.16	1.23	0.99
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT3_1 24248	19.53	18.14	15.66	15.81	17.47	21.25	40.68	38.70	26.38	20.39	19.77	17.16	15.66	16.79	14.51	17.19	19.69	19.19	30.82	39.07	56.45	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.92	0.85	1.05	1.58	1.30	1.36	1.24	1.12	1.17	1.01	1.27	0.36	1.19	0.57	0.96	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT3_2 24249	19.53	18.14	15.66	15.81	17.47	21.25	40.68	38.70	26.38	20.39	19.77	17.16	15.66	16.79	14.51	17.19	19.69	19.19	30.82	39.07	56.45	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.92	0.85	1.05	1.58	1.30	1.36	1.24	1.12	1.17	1.01	1.27	0.36	1.19	0.57	0.96	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT3_3 24250	19.53	18.15	15.67	15.82	17.48	21.27	40.70	38.73	26.42	20.42	19.80	17.19	15.69	16.82	14.53	17.22	19.70	19.21	30.84	39.09	56.47	24.50	20.92	18.65
	0.43	0.41	0.59	0.64	0.85	0.95	0.87	1.08	1.62	1.34	1.39	1.27	1.14	1.20	1.03	1.30	0.37	1.21	0.58	0.99	0.77	0.17	1.25	1.01
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT3_4 24251	19.53	18.15	15.67	15.82	17.48	21.27	40.70	38.73	26.42	20.42	19.80	17.19	15.69	16.82	14.53	17.22	19.70	19.21	30.84	39.09	56.47	24.50	20.92	18.65
	0.43	0.41	0.59	0.64	0.85	0.95	0.87	1.08	1.62	1.34	1.39	1.27	1.14	1.20	1.03	1.30	0.37	1.21	0.58	0.99	0.77	0.17	1.25	1.01
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT_1 23729	19.54	18.16	15.69	15.85	17.50	21.29	40.72	38.75	26.46	20.47	19.85	17.24	15.73	16.85	14.56	17.24	19.70	19.24	30.85	39.10	56.48	24.51	20.94	18.67
	0.44	0.42	0.61	0.66	0.86	0.96	0.89	1.10	1.66	1.38	1.43	1.32	1.19	1.23	1.06	1.33	0.37	1.24	0.59	1.00	0.77	0.17	1.27	1.03
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.14	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT_10 24258	19.52	18.14	15.66	15.81	17.47	21.25	40.68	38.70	26.38	20.38	19.77	17.16	15.66	16.79	14.51	17.19	19.69	19.18	30.82	39.07	56.45	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.92	0.85	1.05	1.58	1.30	1.36	1.24	1.12	1.17	1.01	1.27	0.36	1.19	0.56	0.96	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT_11 24259	19.52	18.14	15.66	15.81	17.47	21.25	40.68	38.70	26.38	20.38	19.77	17.16	15.66	16.79	14.51	17.19	19.69	19.18	30.82	39.07	56.45	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.92	0.85	1.05	1.58	1.30	1.36	1.24	1.12	1.17	1.01	1.27	0.36	1.19	0.56	0.96	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00
RAVENSWOOD_GT_4 24252	19.52	18.14	15.66	15.81	17.47	21.25	40.68	38.70	26.37	20.38	19.76	17.15	15.66	16.79	14.50	17.19	19.69	19.18	30.82	39.07	56.46	24.50	20.89	18.63
	0.42	0.40	0.58	0.63	0.83	0.93	0.85	1.05	1.57	1.30	1.35	1.24	1.11	1.17	1.00	1.27	0.36	1.19	0.56	0.96	0.75	0.16	1.22	0.98
	-12.03	-10.77	-4.49	-2.81	-1.80	-3.82	-25.81	-20.85	-1.28	-0.91	0.00	-0.13	-0.33	-0.35	-0.43	0.00	-14.69	-2.43	-22.55	-24.17	-44.07	-21.85	0.00	0.00



RAVENSWOOD_GT_5 24254	19.52 0.42 -12.03	18.14 0.40 -10.77	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.93 -3.82	40.68 0.85 -25.81	38.70 1.05 -20.85	26.37 1.57 -1.28	20.38 1.30 -0.91	19.76 1.35 0.00	17.15 1.24 -0.13	15.66 1.11 -0.33	16.79 1.17 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.17	56.46 0.75 -44.07	24.50 0.16 -21.85	20.89 1.22 0.00	18.63 0.98 0.00
RAVENSWOOD_GT_6 24253	19.52 0.42 -12.03	18.14 0.40 -10.77	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.93 -3.82	40.68 0.85 -25.81	38.70 1.05 -20.85	26.37 1.57 -1.28	20.38 1.30 -0.91	19.76 1.35 0.00	17.15 1.24 -0.13	15.66 1.11 -0.33	16.79 1.17 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.17	56.46 0.75 -44.07	24.50 0.16 -21.85	20.89 1.22 0.00	18.63 0.98 0.00
RAVENSWOOD_GT_7 24255	19.52 0.42 -12.03	18.14 0.40 -10.77	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.93 -3.82	40.68 0.85 -25.81	38.70 1.05 -20.85	26.37 1.57 -1.28	20.38 1.30 -0.91	19.76 1.35 0.00	17.15 1.24 -0.13	15.66 1.11 -0.33	16.79 1.17 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.17	56.46 0.75 -44.07	24.50 0.16 -21.85	20.89 1.22 0.00	18.63 0.98 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	19.52 0.42 -12.03	18.14 0.40 -10.77	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.92 -3.82	40.68 0.85 -25.81	38.70 1.05 -20.85	26.38 1.58 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.24 -0.13	15.66 1.12 -0.33	16.79 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.17	56.45 0.75 -44.07	24.50 0.16 -21.85	20.89 1.22 0.00	18.63 0.98 0.00
RAVENSWOOD_GT_9 24257	19.52 0.42 -12.03	18.14 0.40 -10.77	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.25 0.92 -3.82	40.68 0.85 -25.81	38.70 1.05 -20.85	26.38 1.58 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.16 1.24 -0.13	15.66 1.12 -0.33	16.79 1.17 -0.35	14.51 1.01 -0.43	17.19 1.27 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.82 0.56 -22.55	39.07 0.96 -24.17	56.45 0.75 -44.07	24.50 0.16 -21.85	20.89 1.22 0.00	18.63 0.98 0.00
RAVENSWOOD___1 23533	19.53 0.43 -12.03	18.15 0.41 -10.77	15.67 0.59 -4.49	15.82 0.64 -2.81	17.48 0.84 -1.80	21.27 0.94 -3.82	40.70 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.39 0.00	17.21 1.29 -0.14	15.70 1.16 -0.33	16.82 1.20 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.22 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.17 -21.85	20.91 1.24 0.00	18.64 0.99 0.00
RAVENSWOOD___2 23534	19.53 0.43 -12.03	18.15 0.41 -10.77	15.67 0.59 -4.49	15.82 0.64 -2.81	17.48 0.84 -1.80	21.27 0.94 -3.82	40.70 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.39 0.00	17.21 1.29 -0.14	15.70 1.16 -0.33	16.82 1.20 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.22 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.17 -21.85	20.91 1.24 0.00	18.64 0.99 0.00
RAVENSWOOD___3 23535	19.53 0.42 -12.03	18.14 0.40 -10.77	15.66 0.58 -4.49	15.81 0.63 -2.81	17.47 0.83 -1.80	21.26 0.93 -3.82	40.68 0.85 -25.81	38.71 1.05 -20.85	26.38 1.59 -1.28	20.39 1.30 -0.91	19.77 1.36 0.00	17.17 1.25 -0.13	15.67 1.12 -0.33	16.80 1.17 -0.35	14.51 1.01 -0.43	17.19 1.28 0.00	19.69 0.36 -14.69	19.19 1.19 -2.43	30.83 0.57 -22.55	39.07 0.97 -24.17	56.46 0.75 -44.07	24.50 0.16 -21.85	20.90 1.22 0.00	18.63 0.98 0.00
RAVENSWOOD___4 23820	19.53 0.43 -12.03	18.15 0.41 -10.77	15.67 0.59 -4.49	15.82 0.64 -2.81	17.48 0.84 -1.80	21.27 0.94 -3.82	40.70 0.87 -25.81	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.39 0.00	17.21 1.29 -0.14	15.70 1.16 -0.33	16.82 1.20 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.22 -2.43	30.84 0.58 -22.55	39.08 0.98 -24.17	56.46 0.76 -44.07	24.50 0.17 -21.85	20.91 1.24 0.00	18.64 0.99 0.00
RCPL_TRUST___DRP 24196	19.53 0.43 -12.02	18.08 0.41 -10.71	15.67 0.59 -4.49	15.82 0.64 -2.81	17.49 0.85 -1.80	21.27 0.95 -3.81	40.74 0.88 -25.84	38.73 1.09 -20.84	26.44 1.64 -1.28	20.43 1.35 -0.91	19.82 1.41 0.00	17.19 1.27 -0.13	15.69 1.15 -0.33	16.83 1.21 -0.35	14.53 1.03 -0.43	17.24 1.32 0.00	19.70 0.37 -14.68	19.23 1.23 -2.43	30.84 0.59 -22.55	39.11 1.00 -24.17	56.47 0.78 -44.07	24.50 0.17 -21.85	20.93 1.25 0.00	18.65 1.00 0.00
RED___ROCHESTER 323720	8.29 -0.23 -1.45	7.98 -0.28 -1.30	10.73 -0.41 -0.54	12.27 -0.44 -0.34	14.53 -0.53 -0.22	16.36 -0.61 -0.46	15.17 -0.39 -1.54	16.81 -0.54 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.42 -0.33 -2.82	16.75 -0.22 -5.34	5.11 -0.02 -2.65	19.43 -0.25 0.00	17.55 -0.09 0.00
REGAN___SOLAR 323812	25.48 0.59 -17.82	23.53 0.61 -15.95	18.16 0.93 -6.65	17.61 1.07 -4.16	18.83 1.33 -2.66	23.66 1.50 -5.66	53.47 1.28 -38.17	48.45 1.52 -30.13	27.00 1.66 -1.83	20.77 1.29 -1.32	19.60 1.19 0.00	16.75 0.77 -0.19	15.38 0.69 -0.48	16.47 0.70 -0.50	14.27 0.58 -0.62	16.65 0.73 0.00	26.63 0.23 -21.75	20.14 0.97 -3.60	41.77 0.66 -33.41	51.15 1.41 -35.80	78.07 1.16 -65.28	35.09 0.24 -32.37	21.48 1.81 0.00	19.36 1.72 0.00
RENSSELAER___COGEN 23796	22.17 0.10 -14.99	20.49 0.10 -13.42	16.36 0.18 -5.59	16.08 0.21 -3.50	17.31 0.22 -2.24	21.48 0.21 -4.76	46.32 0.17 -32.13	42.58 0.16 -25.61	25.29 0.19 -1.58	19.44 0.15 -1.12	18.56 0.15 0.00	16.16 0.21 -0.16	14.81 0.19 -0.41	15.91 0.21 -0.43	13.79 0.19 -0.52	16.12 0.19 0.00	23.02 0.06 -18.31	18.81 0.21 -3.03	35.92 0.09 -28.12	44.24 0.17 -30.14	66.72 0.13 -54.95	29.76 0.03 -27.24	19.90 0.22 0.00	17.81 0.16 0.00
REPUBLIC_115KV_BARTNBRK 55605	23.43 0.63 -15.72	21.64 0.57 -14.10	17.35 0.89 -5.87	17.15 1.11 -3.67	18.56 1.37 -2.35	23.10 1.60 -5.00	49.20 1.31 -33.87	45.01 1.45 -26.75	26.86 1.69 -1.65	20.62 1.28 -1.17	19.63 1.22 0.00	16.92 0.96 -0.17	15.47 0.83 -0.43	16.62 0.90 -0.45	14.41 0.79 -0.55	16.91 1.00 0.00	24.24 0.40 -19.19	20.19 1.45 -3.18	37.95 0.77 -29.47	47.03 1.50 -31.59	70.48 1.27 -57.58	31.28 0.24 -28.55	21.60 1.92 0.00	18.99 1.34 0.00
REVERE_CPPR_DRP 24186	7.81 0.11 -0.62	7.62 0.12 -0.54	11.01 0.18 -0.23	12.74 0.22 -0.15	15.21 0.28 -0.09	17.03 0.32 -0.20	15.65 0.33 -1.30	17.43 0.40 -0.23	23.59 0.40 0.33	18.43 0.25 0.00	18.61 0.20 0.00	15.90 0.11 0.00	14.27 0.05 0.00	15.33 0.05 0.00	13.13 0.05 0.00	16.00 0.08 0.00	5.35 0.03 -0.67	15.85 0.18 -0.11	8.89 0.15 -1.04	15.47 0.42 -1.12	14.02 0.36 -2.03	3.56 0.07 -1.00	20.12 0.45 0.00	18.07 0.42 0.00

REYNOLDS_115KV_TB3 80639	22.25 0.17 -15.00	20.44 0.16 -13.31	16.45 0.25 -5.61	16.18 0.30 -3.51	17.43 0.35 -2.25	21.62 0.34 -4.77	46.62 0.28 -32.32	42.77 0.30 -25.66	25.48 0.38 -1.58	19.59 0.30 -1.12	18.71 0.30 0.00	16.27 0.32 -0.16	14.91 0.29 -0.41	16.02 0.32 -0.43	13.88 0.28 -0.53	16.24 0.32 0.00	23.09 0.10 -18.35	18.93 0.32 -3.04	36.04 0.15 -28.18	44.41 0.27 -30.21	66.93 0.23 -55.07	29.84 0.05 -27.30	20.06 0.38 0.00	17.93 0.29 0.00
RIVERBAY____ 323610	19.50 0.40 -12.02	18.09 0.41 -10.71	15.67 0.58 -4.49	15.82 0.63 -2.81	17.47 0.83 -1.80	21.21 0.89 -3.81	40.68 0.82 -25.84	38.66 1.01 -20.85	26.33 1.53 -1.28	20.36 1.28 -0.91	19.72 1.30 0.00	17.13 1.21 -0.14	15.62 1.08 -0.33	16.75 1.13 -0.35	14.47 0.97 -0.43	17.13 1.21 0.00	19.67 0.34 -14.69	19.13 1.14 -2.43	30.80 0.54 -22.55	39.03 0.92 -24.18	56.41 0.70 -44.07	24.49 0.15 -21.85	20.85 1.18 0.00	18.64 1.00 0.00
RIVERSDE_115KV_TB3 55908	22.22 0.13 -15.02	20.43 0.12 -13.34	16.42 0.21 -5.61	16.13 0.24 -3.51	17.37 0.28 -2.25	21.55 0.26 -4.78	46.57 0.21 -32.33	42.71 0.22 -25.68	25.38 0.28 -1.58	19.51 0.22 -1.12	18.63 0.22 0.00	16.22 0.27 -0.17	14.86 0.23 -0.41	15.96 0.27 -0.43	13.83 0.23 -0.53	16.18 0.26 0.00	23.09 0.08 -18.37	18.87 0.26 -3.04	36.03 0.12 -28.21	44.39 0.22 -30.24	66.93 0.18 -55.12	29.85 0.04 -27.33	19.97 0.30 0.00	17.86 0.22 0.00
ROARING____BROOK_WT_PWR 323790	6.97 -0.11 0.00	6.85 -0.11 0.00	10.45 -0.15 0.00	12.24 -0.13 0.00	14.68 -0.16 0.00	16.30 -0.21 0.00	13.79 -0.23 0.00	16.56 -0.25 0.00	23.29 -0.18 0.05	18.04 -0.13 0.00	18.25 -0.17 0.00	15.61 -0.18 0.00	14.05 -0.16 0.00	15.08 -0.19 0.00	12.87 -0.20 0.00	15.62 -0.30 0.00	4.55 -0.09 0.00	15.21 -0.35 0.00	7.56 -0.15 0.00	13.77 -0.16 0.00	11.46 -0.17 0.00	2.43 -0.06 0.00	19.12 -0.56 0.00	17.12 -0.52 0.00
ROCHESRG_115KV_T4 355643	8.22 -0.30 -1.45	7.94 -0.34 -1.31	10.64 -0.49 -0.54	12.16 -0.54 -0.34	14.40 -0.65 -0.21	16.21 -0.76 -0.46	15.01 -0.54 -1.53	16.62 -0.73 -0.54	21.41 -1.21 0.90	17.33 -0.86 -0.01	17.61 -0.80 0.00	15.07 -0.72 0.00	13.60 -0.62 -0.01	14.62 -0.66 -0.01	12.55 -0.54 -0.02	15.26 -0.66 0.00	6.24 -0.18 -1.77	15.26 -0.60 -0.29	10.14 -0.28 -2.72	16.23 -0.50 -2.80	16.58 -0.37 -5.31	5.07 -0.05 -2.63	19.20 -0.48 0.00	17.38 -0.26 0.00
ROCHESTER_9_IC 23652	8.26 -0.26 -1.46	7.98 -0.31 -1.32	10.69 -0.45 -0.54	12.22 -0.49 -0.34	14.47 -0.58 -0.22	16.29 -0.68 -0.46	15.09 -0.46 -1.54	16.72 -0.63 -0.54	21.53 -1.09 0.89	17.42 -0.76 -0.01	17.70 -0.71 0.00	15.15 -0.64 0.00	13.67 -0.55 -0.01	14.69 -0.59 -0.01	12.61 -0.48 -0.02	15.32 -0.60 0.00	6.27 -0.16 -1.78	15.35 -0.51 -0.30	10.20 -0.24 -2.73	16.33 -0.41 -2.81	16.68 -0.29 -5.34	5.10 -0.04 -2.65	19.31 -0.37 0.00	17.47 -0.17 0.00
ROCKVIEW_13_KV_LD 356306	19.52 0.43 -12.02	18.08 0.40 -10.71	15.66 0.58 -4.49	15.82 0.64 -2.81	17.47 0.83 -1.80	21.26 0.93 -3.81	40.72 0.86 -25.84	38.71 1.07 -20.85	26.37 1.57 -1.28	20.35 1.27 -0.91	19.74 1.32 0.00	17.13 1.21 -0.13	15.64 1.09 -0.33	16.77 1.15 -0.35	14.49 0.99 -0.43	17.17 1.25 0.00	19.69 0.36 -14.69	19.18 1.19 -2.43	30.83 0.57 -22.55	39.09 0.98 -24.18	56.48 0.78 -44.07	24.50 0.16 -21.85	20.92 1.24 0.00	18.64 1.00 0.00
ROME____115KV_TB2 80656	7.81 0.11 -0.62	7.62 0.12 -0.54	11.01 0.18 -0.23	12.74 0.22 -0.15	15.21 0.28 -0.09	17.03 0.32 -0.20	15.65 0.33 -1.30	17.43 0.40 -0.23	23.59 0.40 0.33	18.43 0.25 0.00	18.61 0.20 0.00	15.90 0.11 0.00	14.27 0.05 0.00	15.33 0.05 0.00	13.13 0.05 0.00	16.00 0.08 0.00	5.35 0.03 -0.67	15.85 0.18 -0.11	8.89 0.15 -1.04	15.47 0.42 -1.12	14.02 0.36 -2.03	3.56 0.07 -1.00	20.12 0.45 0.00	18.07 0.42 0.00
ROSETON____1 23587	19.33 0.35 -11.91	17.96 0.33 -10.66	15.52 0.48 -4.44	15.68 0.53 -2.78	17.30 0.68 -1.78	21.07 0.78 -3.78	40.29 0.72 -25.55	38.34 0.89 -20.65	26.08 1.29 -1.27	20.11 1.04 -0.90	19.48 1.07 0.00	16.90 0.98 -0.13	15.42 0.88 -0.33	16.55 0.93 -0.34	14.30 0.80 -0.42	16.93 1.01 0.00	19.47 0.29 -14.54	18.94 0.96 -2.41	30.50 0.47 -22.32	38.67 0.81 -23.92	55.90 0.65 -43.62	24.25 0.14 -21.63	20.70 1.02 0.00	18.45 0.81 0.00
ROSETON____2 23588	19.33 0.35 -11.91	17.96 0.33 -10.66	15.52 0.48 -4.44	15.68 0.53 -2.78	17.30 0.68 -1.78	21.07 0.78 -3.78	40.29 0.72 -25.55	38.34 0.89 -20.65	26.08 1.29 -1.27	20.11 1.04 -0.90	19.48 1.07 0.00	16.90 0.98 -0.13	15.42 0.88 -0.33	16.55 0.93 -0.34	14.30 0.80 -0.42	16.93 1.01 0.00	19.47 0.29 -14.54	18.94 0.96 -2.41	30.50 0.47 -22.32	38.67 0.81 -23.92	55.90 0.65 -43.62	24.25 0.14 -21.63	20.70 1.02 0.00	18.45 0.81 0.00
ROTTSDAM_115KV_TB3 80664	23.29 0.24 -15.98	21.55 0.23 -14.35	16.90 0.35 -5.96	16.51 0.41 -3.73	17.72 0.50 -2.39	22.14 0.55 -5.07	48.90 0.49 -34.39	44.54 0.59 -27.15	25.95 0.76 -1.67	19.94 0.58 -1.19	18.98 0.56 0.00	16.44 0.48 -0.17	15.08 0.43 -0.43	16.18 0.46 -0.45	14.03 0.40 -0.56	16.40 0.49 0.00	24.28 0.15 -19.49	19.32 0.53 -3.23	37.91 0.27 -29.93	46.53 0.51 -32.09	70.55 0.43 -58.49	31.58 0.09 -29.00	20.35 0.68 0.00	18.19 0.55 0.00
RUSSELL____1 23602	8.30 -0.23 -1.46	8.00 -0.28 -1.32	10.73 -0.41 -0.54	12.27 -0.45 -0.34	14.53 -0.53 -0.22	16.36 -0.60 -0.46	15.16 -0.39 -1.54	16.80 -0.55 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.41 -0.33 -2.81	16.75 -0.23 -5.34	5.11 -0.02 -2.65	19.41 -0.26 0.00	17.55 -0.09 0.00
RUSSELL____2 23532	8.30 -0.23 -1.46	8.00 -0.28 -1.32	10.73 -0.41 -0.54	12.27 -0.45 -0.34	14.53 -0.53 -0.22	16.36 -0.60 -0.46	15.16 -0.39 -1.54	16.80 -0.55 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.41 -0.33 -2.81	16.75 -0.23 -5.34	5.11 -0.02 -2.65	19.41 -0.26 0.00	17.55 -0.09 0.00
RUSSELL____3 23549	8.30 -0.23 -1.46	8.00 -0.28 -1.32	10.73 -0.41 -0.54	12.27 -0.45 -0.34	14.53 -0.53 -0.22	16.36 -0.60 -0.46	15.16 -0.39 -1.54	16.80 -0.55 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.41 -0.33 -2.81	16.75 -0.23 -5.34	5.11 -0.02 -2.65	19.41 -0.26 0.00	17.55 -0.09 0.00
RUSSELL____4 23556	8.30 -0.23 -1.46	8.00 -0.28 -1.32	10.73 -0.41 -0.54	12.27 -0.45 -0.34	14.53 -0.53 -0.22	16.36 -0.60 -0.46	15.16 -0.39 -1.54	16.80 -0.55 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.41 -0.33 -2.81	16.75 -0.23 -5.34	5.11 -0.02 -2.65	19.41 -0.26 0.00	17.55 -0.09 0.00

RUSSELL___STATION 23914	8.30 -0.23 -1.46	8.00 -0.28 -1.32	10.73 -0.41 -0.54	12.27 -0.45 -0.34	14.53 -0.53 -0.22	16.36 -0.60 -0.46	15.16 -0.39 -1.54	16.80 -0.55 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.41 -0.33 -2.81	16.75 -0.23 -5.34	5.11 -0.02 -2.65	19.41 -0.26 0.00	17.55 -0.09 0.00
S SALMON___HYD 24043	7.79 -0.22 -0.93	7.57 -0.23 -0.84	10.60 -0.34 -0.35	12.22 -0.37 -0.22	14.55 -0.43 -0.14	16.34 -0.47 -0.30	15.56 -0.34 -1.88	16.29 -0.51 0.00	21.90 -0.84 0.78	17.45 -0.71 0.01	17.68 -0.73 0.00	15.12 -0.66 0.00	13.60 -0.61 0.00	14.61 -0.66 0.00	12.51 -0.56 0.00	15.24 -0.68 0.00	5.59 -0.20 -1.15	15.09 -0.66 -0.19	9.21 -0.26 -1.76	15.48 -0.34 -1.89	14.84 -0.24 -3.45	4.14 -0.06 -1.71	19.10 -0.57 0.00	17.10 -0.54 0.00
S.PERRY__115KV_TB1 80734	9.01 -0.03 -1.96	8.63 -0.08 -1.75	11.24 -0.09 -0.73	12.77 -0.05 -0.46	15.07 -0.06 -0.29	17.07 -0.06 -0.62	18.66 0.11 -4.53	17.50 -0.04 -0.73	22.10 -0.56 0.86	17.82 -0.37 -0.02	18.12 -0.29 0.00	15.47 -0.32 -0.01	13.90 -0.32 -0.01	14.94 -0.34 -0.01	12.83 -0.26 -0.02	15.68 -0.24 0.00	6.98 -0.06 -2.39	15.74 -0.22 -0.40	11.30 -0.07 -3.67	17.97 0.06 -3.97	18.99 0.18 -7.17	6.12 0.07 -3.56	20.16 0.49 0.00	18.22 0.57 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	8.50 -0.39 -1.83	8.22 -0.44 -1.71	10.64 -0.63 -0.68	12.10 -0.69 -0.42	14.26 -0.85 -0.27	16.00 -1.08 -0.58	15.83 -0.81 -2.62	16.44 -1.04 -0.67	20.99 -1.66 0.87	17.07 -1.11 -0.02	17.40 -1.01 0.00	14.88 -0.91 0.00	13.45 -0.77 -0.01	14.50 -0.79 -0.01	12.43 -0.67 -0.02	15.18 -0.74 0.00	6.65 -0.22 -2.22	15.10 -0.83 -0.37	10.69 -0.43 -3.41	16.74 -0.76 -3.57	17.74 -0.56 -6.67	5.73 -0.07 -3.31	19.09 -0.59 0.00	17.46 -0.18 0.00
SAWYER__23_KV_LOAD 55526	8.50 -0.39 -1.83	8.22 -0.44 -1.71	10.64 -0.63 -0.68	12.10 -0.69 -0.42	14.26 -0.85 -0.27	16.00 -1.08 -0.58	15.83 -0.81 -2.62	16.44 -1.04 -0.67	20.99 -1.66 0.87	17.07 -1.11 -0.02	17.40 -1.01 0.00	14.88 -0.91 0.00	13.45 -0.77 -0.01	14.50 -0.79 -0.01	12.43 -0.67 -0.02	15.18 -0.74 0.00	6.65 -0.22 -2.22	15.10 -0.83 -0.37	10.69 -0.43 -3.41	16.74 -0.76 -3.57	17.74 -0.56 -6.67	5.73 -0.07 -3.31	19.09 -0.59 0.00	17.46 -0.18 0.00
SELKIRK___I 23801	21.96 0.17 -14.71	20.31 0.17 -13.17	16.36 0.28 -5.49	16.14 0.33 -3.44	17.41 0.38 -2.20	21.57 0.39 -4.67	45.89 0.33 -31.53	42.36 0.40 -25.15	25.56 0.49 -1.55	19.64 0.37 -1.10	18.76 0.34 0.00	16.29 0.34 -0.16	14.92 0.31 -0.40	16.03 0.34 -0.42	13.89 0.30 -0.52	16.25 0.33 0.00	22.70 0.10 -17.96	18.88 0.35 -2.98	35.46 0.18 -27.58	43.82 0.33 -29.55	65.79 0.27 -53.89	29.26 0.06 -26.72	20.12 0.45 0.00	18.01 0.37 0.00
SELKIRK___II 23799	22.13 0.14 -14.92	20.46 0.14 -13.36	16.39 0.23 -5.57	16.12 0.26 -3.49	17.37 0.30 -2.23	21.55 0.30 -4.74	46.26 0.26 -31.98	42.61 0.32 -25.48	25.49 0.40 -1.57	19.59 0.31 -1.11	18.71 0.30 0.00	16.26 0.31 -0.16	14.90 0.28 -0.41	16.00 0.31 -0.42	13.86 0.27 -0.52	16.23 0.31 0.00	22.95 0.09 -18.21	18.89 0.31 -3.02	35.82 0.15 -27.97	44.18 0.27 -29.97	66.51 0.22 -54.65	29.63 0.05 -27.10	20.04 0.37 0.00	17.93 0.29 0.00
SENECA OSWGO___HYD 24041	7.89 -0.24 -1.05	7.66 -0.25 -0.94	10.61 -0.38 -0.39	12.19 -0.43 -0.25	14.49 -0.51 -0.16	16.30 -0.54 -0.33	15.74 -0.39 -2.11	16.25 -0.55 0.00	21.74 -0.88 0.90	17.49 -0.67 0.01	17.75 -0.67 0.00	15.20 -0.58 0.00	13.68 -0.53 0.00	14.70 -0.57 0.00	12.62 -0.46 -0.01	15.39 -0.53 0.00	5.80 -0.14 -1.30	15.29 -0.49 -0.22	9.48 -0.22 -2.00	15.70 -0.37 -2.14	15.25 -0.29 -3.90	4.37 -0.06 -1.94	19.16 -0.52 0.00	17.21 -0.44 0.00
SENECA___115KV_TB3 355854	8.68 -0.29 -1.90	8.39 -0.34 -1.76	10.83 -0.47 -0.70	12.31 -0.50 -0.44	14.51 -0.61 -0.28	16.30 -0.81 -0.60	16.23 -0.57 -2.78	16.77 -0.73 -0.70	21.43 -1.23 0.87	17.41 -0.78 -0.02	17.74 -0.67 0.00	15.15 -0.64 0.00	13.69 -0.54 -0.01	14.75 -0.54 -0.01	12.64 -0.45 -0.02	15.45 -0.47 0.00	6.81 -0.14 -2.31	15.38 -0.57 -0.38	10.95 -0.30 -3.54	17.13 -0.52 -3.72	18.21 -0.35 -6.93	5.90 -0.02 -3.43	19.42 -0.25 0.00	17.75 0.11 0.00
SENECA___ENERGY 23797	8.44 -0.16 -1.53	8.16 -0.17 -1.37	10.93 -0.24 -0.57	12.44 -0.29 -0.36	14.76 -0.30 -0.23	16.67 -0.33 -0.49	21.56 -0.18 -7.73	17.09 -0.31 -0.59	22.05 -0.61 0.86	17.68 -0.51 -0.01	17.96 -0.45 0.00	15.36 -0.43 0.00	13.81 -0.41 -0.01	14.83 -0.45 -0.01	12.76 -0.33 -0.02	15.56 -0.36 0.00	6.45 -0.08 -1.88	15.63 -0.25 -0.31	10.50 -0.10 -2.89	17.23 -0.16 -3.46	17.18 -0.10 -5.65	5.28 -0.01 -2.80	19.56 -0.12 0.00	17.58 -0.06 0.00
SHOEMAKER___GT 23640	18.05 0.33 -10.65	16.80 0.30 -9.53	15.01 0.44 -3.97	15.35 0.49 -2.49	17.06 0.63 -1.59	20.62 0.73 -3.38	37.56 0.69 -22.86	36.26 0.84 -18.60	25.85 1.19 -1.14	19.91 0.93 -0.81	19.36 0.94 0.00	16.76 0.86 -0.12	15.27 0.76 -0.30	16.38 0.80 -0.31	14.16 0.70 -0.38	16.79 0.87 0.00	17.89 0.25 -13.00	18.56 0.84 -2.15	28.09 0.42 -19.96	36.07 0.75 -21.40	51.25 0.60 -39.01	21.96 0.13 -19.34	20.66 0.98 0.00	18.41 0.77 0.00
SHOEMAKR_138KV_BK 111 55601	17.91 0.32 -10.51	16.54 0.30 -9.27	14.96 0.44 -3.93	15.32 0.49 -2.46	17.04 0.63 -1.57	20.58 0.72 -3.35	38.04 0.68 -23.35	36.06 0.83 -18.41	25.83 1.18 -1.13	19.91 0.93 -0.81	19.36 0.95 0.00	16.77 0.86 -0.12	15.28 0.77 -0.29	16.39 0.81 -0.31	14.15 0.70 -0.38	16.80 0.88 0.00	17.75 0.25 -12.86	18.55 0.85 -2.13	27.87 0.42 -19.74	35.84 0.74 -21.17	50.81 0.60 -38.58	21.75 0.13 -19.13	20.64 0.97 0.00	18.41 0.76 0.00
SHOREHAM_IC_1 23715	19.68 0.58 -12.03	19.59 0.59 -12.04	15.93 0.85 -4.49	16.13 0.95 -2.81	17.86 1.22 -1.80	22.59 1.40 -4.68	41.08 1.25 -25.81	39.09 1.44 -20.85	28.92 2.23 -3.17	20.53 1.45 -0.91	22.71 1.42 -2.88	29.82 1.36 -12.67	15.67 1.12 -0.33	16.73 1.11 -0.35	14.44 0.94 -0.43	22.54 1.36 -5.26	60.75 0.42 -55.69	19.31 1.31 -2.43	30.94 0.68 -22.56	61.80 1.28 -46.59	56.61 0.90 -44.08	34.03 0.23 -31.32	21.27 1.59 0.00	18.93 1.29 0.00
SHOREHAM_IC_2 23716	19.68 0.58 -12.03	19.59 0.59 -12.04	15.93 0.85 -4.49	16.13 0.95 -2.81	17.86 1.22 -1.80	22.59 1.40 -4.68	41.08 1.25 -25.81	39.09 1.44 -20.85	28.92 2.23 -3.17	20.53 1.45 -0.91	22.71 1.42 -2.88	29.82 1.36 -12.67	15.67 1.12 -0.33	16.73 1.11 -0.35	14.44 0.94 -0.43	22.54 1.36 -5.26	60.75 0.42 -55.69	19.31 1.31 -2.43	30.94 0.68 -22.56	61.80 1.28 -46.59	56.61 0.90 -44.08	34.03 0.23 -31.32	21.27 1.59 0.00	18.93 1.29 0.00
SISSONVILLE___ 23735	7.05 -0.22 -0.19	6.93 -0.20 -0.16	10.37 -0.30 -0.07	12.09 -0.33 -0.05	14.46 -0.41 -0.03	16.16 -0.42 -0.06	13.98 -0.40 -0.36	16.42 -0.47 -0.08	22.78 -0.60 0.14	17.65 -0.52 0.00	17.81 -0.60 0.00	15.22 -0.57 0.00	13.71 -0.50 0.00	14.73 -0.54 0.00	12.60 -0.48 0.00	15.34 -0.58 0.00	4.70 -0.18 -0.23	15.02 -0.58 -0.04	7.79 -0.27 -0.35	13.88 -0.43 -0.38	11.96 -0.36 -0.69	2.73 -0.10 -0.34	18.91 -0.77 0.00	16.94 -0.70 0.00

SITHE_IND_GS1 24169	7.69 -0.29 -0.90	7.48 -0.29 -0.81	10.49 -0.44 -0.34	12.08 -0.51 -0.21	14.38 -0.60 -0.13	16.13 -0.67 -0.29	15.31 -0.52 -1.81	16.12 -0.68 0.00	21.53 -1.04 0.94	17.36 -0.80 0.01	17.63 -0.78 0.00	15.10 -0.69 0.00	13.60 -0.62 0.00	14.60 -0.67 0.00	12.53 -0.55 0.00	15.28 -0.64 0.00	5.58 -0.18 -1.11	15.15 -0.59 -0.18	9.13 -0.28 -1.71	15.27 -0.49 -1.83	14.58 -0.40 -3.34	4.07 -0.08 -1.66	19.00 -0.67 0.00	17.08 -0.57 0.00
SITHE_IND_GS2 24170	7.69 -0.29 -0.90	7.48 -0.29 -0.81	10.49 -0.44 -0.34	12.08 -0.51 -0.21	14.38 -0.60 -0.13	16.13 -0.67 -0.29	15.31 -0.52 -1.81	16.12 -0.68 0.00	21.53 -1.04 0.94	17.36 -0.80 0.01	17.63 -0.78 0.00	15.10 -0.69 0.00	13.60 -0.62 0.00	14.60 -0.67 0.00	12.53 -0.55 0.00	15.28 -0.64 0.00	5.58 -0.18 -1.11	15.15 -0.59 -0.18	9.13 -0.28 -1.71	15.27 -0.49 -1.83	14.58 -0.40 -3.34	4.07 -0.08 -1.66	19.00 -0.67 0.00	17.08 -0.57 0.00
SITHE_IND_GS3 24171	7.69 -0.29 -0.90	7.48 -0.29 -0.81	10.49 -0.44 -0.34	12.08 -0.51 -0.21	14.38 -0.60 -0.13	16.13 -0.67 -0.29	15.31 -0.52 -1.81	16.12 -0.68 0.00	21.53 -1.04 0.94	17.36 -0.80 0.01	17.63 -0.78 0.00	15.10 -0.69 0.00	13.60 -0.62 0.00	14.60 -0.67 0.00	12.53 -0.55 0.00	15.28 -0.64 0.00	5.58 -0.18 -1.11	15.15 -0.59 -0.18	9.13 -0.28 -1.71	15.27 -0.49 -1.83	14.58 -0.40 -3.34	4.07 -0.08 -1.66	19.00 -0.67 0.00	17.08 -0.57 0.00
SITHE_IND_GS4 24172	7.69 -0.29 -0.90	7.48 -0.29 -0.81	10.49 -0.44 -0.34	12.08 -0.51 -0.21	14.38 -0.60 -0.13	16.13 -0.67 -0.29	15.31 -0.52 -1.81	16.12 -0.68 0.00	21.53 -1.04 0.94	17.36 -0.80 0.01	17.63 -0.78 0.00	15.10 -0.69 0.00	13.60 -0.62 0.00	14.60 -0.67 0.00	12.53 -0.55 0.00	15.28 -0.64 0.00	5.58 -0.18 -1.11	15.15 -0.59 -0.18	9.13 -0.28 -1.71	15.27 -0.49 -1.83	14.58 -0.40 -3.34	4.07 -0.08 -1.66	19.00 -0.67 0.00	17.08 -0.57 0.00
SITHE___BATAVIA 24024	8.30 -0.34 -1.57	7.97 -0.40 -1.40	10.59 -0.59 -0.59	12.09 -0.65 -0.37	14.29 -0.78 -0.23	16.12 -0.89 -0.50	15.36 -0.56 -1.91	16.63 -0.77 -0.59	21.22 -1.41 0.89	17.11 -1.07 -0.01	17.35 -1.07 0.00	14.81 -0.98 0.00	13.38 -0.84 -0.01	14.57 -0.71 -0.01	12.41 -0.68 -0.02	15.52 -0.39 0.00	6.37 -0.20 -1.93	15.06 -0.82 -0.32	10.31 -0.35 -2.96	16.43 -0.57 -3.07	17.04 -0.37 -5.78	5.31 -0.04 -2.87	19.24 -0.43 0.00	17.47 -0.17 0.00
SITHE___INDEPEND 23800	7.69 -0.29 -0.91	7.51 -0.29 -0.83	10.49 -0.44 -0.34	12.08 -0.51 -0.21	14.38 -0.60 -0.13	16.13 -0.67 -0.29	15.27 -0.52 -1.78	16.46 -0.52 -0.34	21.55 -1.04 0.92	17.38 -0.80 0.00	17.63 -0.78 0.00	15.10 -0.69 0.00	13.60 -0.62 -0.01	14.61 -0.67 -0.01	12.54 -0.55 -0.01	15.28 -0.64 0.00	5.58 -0.18 -1.11	15.15 -0.59 -0.18	9.13 -0.28 -1.71	15.27 -0.49 -1.82	14.57 -0.40 -3.34	4.07 -0.08 -1.66	19.00 -0.67 0.00	17.08 -0.57 0.00
SITHE___MASSENA 23902	7.06 -0.01 0.00	6.97 0.00 0.00	10.59 0.00 0.00	12.39 0.01 0.00	14.83 -0.01 0.00	16.52 0.01 0.00	13.96 -0.06 0.00	16.75 -0.05 0.00	23.44 -0.01 0.07	18.14 -0.03 0.00	18.35 -0.07 0.00	15.70 -0.09 0.00	14.15 -0.07 0.00	15.21 -0.06 0.00	13.01 -0.06 0.00	15.84 -0.08 0.00	4.62 -0.03 0.00	15.46 -0.10 0.00	7.65 -0.05 0.00	13.84 -0.09 0.00	11.55 -0.08 0.00	2.46 -0.03 0.00	19.50 -0.18 0.00	17.50 -0.14 0.00
SITHE___OGDNSBRG 24021	7.22 -0.01 -0.16	7.10 0.01 -0.13	10.66 0.01 -0.06	12.43 0.02 -0.04	14.88 0.02 -0.02	16.62 0.06 -0.05	14.30 0.00 -0.28	16.89 0.02 -0.06	23.46 0.05 0.11	18.14 -0.04 0.00	18.32 -0.09 0.00	15.67 -0.12 0.00	14.12 -0.10 0.00	15.17 -0.10 0.00	12.98 -0.10 0.00	15.80 -0.12 0.00	4.79 -0.04 -0.18	15.47 -0.12 -0.03	7.94 -0.05 -0.29	14.19 -0.05 -0.31	12.16 -0.03 -0.56	2.74 -0.02 -0.28	19.52 -0.15 0.00	17.51 -0.13 0.00
SITHE___STERLING 23777	7.87 0.07 -0.72	7.69 0.07 -0.65	10.98 0.11 -0.27	12.68 0.14 -0.17	15.13 0.18 -0.11	16.95 0.21 -0.23	15.71 0.24 -1.46	17.11 0.30 0.00	23.40 0.27 0.39	18.33 0.16 0.00	18.56 0.14 0.00	15.87 0.08 0.00	14.26 0.05 0.00	15.32 0.05 0.00	13.13 0.05 0.00	16.00 0.08 0.00	5.45 0.03 -0.77	15.85 0.16 -0.13	9.01 0.12 -1.19	15.54 0.34 -1.27	14.25 0.30 -2.32	3.70 0.06 -1.15	20.07 0.40 0.00	18.02 0.37 0.00
SLEIGHT__34_KV_TB1 80719	8.46 -0.06 -1.45	8.21 -0.07 -1.31	11.05 -0.08 -0.54	12.58 -0.12 -0.34	14.97 -0.09 -0.21	16.90 -0.07 -0.46	16.97 0.04 -2.91	17.36 0.00 -0.56	22.46 -0.19 0.87	17.99 -0.19 -0.01	18.25 -0.16 0.00	15.64 -0.15 0.00	14.04 -0.18 -0.01	15.06 -0.22 -0.01	12.96 -0.14 -0.02	15.78 -0.14 0.00	6.40 -0.02 -1.78	15.88 0.02 -0.30	10.47 0.04 -2.73	16.96 0.12 -2.91	17.10 0.12 -5.34	5.16 0.03 -2.65	19.84 0.16 0.00	17.86 0.22 0.00
SOUTH CAIRO___GT 23612	21.38 0.28 -14.03	19.79 0.26 -12.56	16.26 0.44 -5.23	16.16 0.51 -3.27	17.54 0.61 -2.10	21.66 0.70 -4.45	44.70 0.61 -30.07	41.54 0.68 -24.05	25.74 0.74 -1.48	19.65 0.43 -1.05	18.77 0.36 0.00	16.29 0.35 -0.15	14.90 0.31 -0.38	16.01 0.34 -0.40	13.87 0.31 -0.49	16.27 0.35 0.00	21.89 0.12 -17.12	18.88 0.48 -2.84	34.27 0.27 -26.30	42.71 0.59 -28.18	63.57 0.55 -51.39	28.08 0.12 -25.47	20.57 0.90 0.00	18.35 0.71 0.00
SOUTH HAMPTN___IC 23720	19.81 0.71 -12.03	19.70 0.70 -12.04	16.11 1.03 -4.49	16.34 1.15 -2.81	18.11 1.47 -1.80	22.89 1.70 -4.68	41.37 1.54 -25.81	39.44 1.78 -20.85	29.41 2.72 -3.17	20.92 1.84 -0.91	23.10 1.81 -2.88	30.16 1.70 -12.67	15.97 1.42 -0.33	17.04 1.43 -0.35	14.71 1.21 -0.43	22.89 1.71 -5.26	60.85 0.52 -55.69	19.66 1.67 -2.43	31.12 0.86 -22.56	62.13 1.60 -46.59	56.89 1.18 -44.08	34.08 0.28 -31.32	21.68 2.01 0.00	19.25 1.61 0.00
SOUTHDOW__115KV_TB1 355954	9.27 0.11 -2.08	8.94 0.07 -1.91	11.52 0.15 -0.77	13.32 0.48 -0.47	15.78 0.64 -0.30	17.75 0.61 -0.63	18.33 0.77 -3.55	18.55 1.00 -0.74	23.79 1.12 0.86	19.16 0.98 -0.02	19.54 1.12 0.00	16.56 0.77 -0.01	14.87 0.64 -0.01	15.98 0.70 -0.01	13.62 0.52 -0.02	16.59 0.68 0.00	7.23 0.17 -2.42	16.46 0.50 -0.40	11.70 0.28 -3.71	18.63 0.76 -3.94	19.71 0.82 -7.25	6.31 0.22 -3.60	21.35 1.67 0.00	19.44 1.80 0.00
SOUTHOLD_69_KV_BK 2 55809	19.89 0.79 -12.02	19.82 0.77 -12.08	16.22 1.14 -4.49	16.48 1.29 -2.81	18.28 1.64 -1.80	23.09 1.90 -4.67	41.59 1.73 -25.84	39.67 2.01 -20.85	29.73 3.04 -3.17	21.17 2.08 -0.91	23.34 2.04 -2.88	30.36 1.89 -12.67	16.13 1.59 -0.33	17.22 1.60 -0.35	14.86 1.36 -0.43	23.09 1.91 -5.26	60.91 0.58 -55.69	19.88 1.88 -2.43	31.23 0.97 -22.56	62.34 1.81 -46.60	57.08 1.36 -44.08	34.12 0.32 -31.32	21.95 2.28 0.00	19.46 1.82 0.00
SOUTHOLD___IC 23719	19.90 0.79 -12.03	19.78 0.78 -12.04	16.22 1.14 -4.49	16.48 1.29 -2.81	18.28 1.64 -1.80	23.09 1.91 -4.68	41.55 1.72 -25.81	39.67 2.01 -20.85	29.73 3.04 -3.17	21.16 2.08 -0.91	23.33 2.04 -2.88	30.35 1.89 -12.67	16.13 1.58 -0.33	17.22 1.60 -0.35	14.86 1.36 -0.43	23.09 1.91 -5.26	60.91 0.58 -55.69	19.88 1.88 -2.43	31.23 0.97 -22.56	62.33 1.81 -46.59	57.07 1.36 -44.08	34.12 0.31 -31.32	21.95 2.27 0.00	19.46 1.82 0.00

SPIERFLS_115KV_TB 1 80737	23.09 0.27 -15.75	21.32 0.23 -14.13	16.82 0.35 -5.87	16.48 0.43 -3.68	17.72 0.53 -2.35	22.17 0.65 -5.00	48.54 0.59 -33.92	44.28 0.68 -26.79	25.96 0.79 -1.65	19.93 0.59 -1.17	18.96 0.55 0.00	16.39 0.44 -0.17	15.02 0.38 -0.43	16.13 0.41 -0.45	13.99 0.36 -0.55	16.38 0.46 0.00	24.04 0.17 -19.22	19.38 0.63 -3.18	37.57 0.35 -29.52	46.25 0.67 -31.64	69.89 0.57 -57.68	31.20 0.11 -28.60	20.51 0.83 0.00	18.18 0.54 0.00
ST LAWRENCE____ 23600	7.00 -0.08 0.00	6.90 -0.07 0.00	10.49 -0.11 0.00	12.25 -0.12 0.00	14.67 -0.16 0.00	16.34 -0.17 0.00	13.81 -0.21 0.00	16.58 -0.22 0.00	23.24 -0.23 0.05	17.97 -0.20 0.00	18.18 -0.23 0.00	15.57 -0.21 0.00	14.03 -0.18 0.00	15.08 -0.19 0.00	12.90 -0.17 0.00	15.70 -0.22 0.00	4.58 -0.07 0.00	15.33 -0.23 0.00	7.58 -0.12 0.00	13.69 -0.24 0.00	11.43 -0.20 0.00	2.44 -0.06 0.00	19.32 -0.36 0.00	17.34 -0.30 0.00
STATE_CA_115KV_115_LB 55624	22.37 0.13 -15.16	20.59 0.12 -13.50	16.47 0.21 -5.66	16.16 0.24 -3.54	17.39 0.28 -2.27	21.60 0.27 -4.82	46.89 0.23 -32.64	42.95 0.23 -25.90	25.41 0.30 -1.60	19.54 0.23 -1.13	18.64 0.23 0.00	16.23 0.28 -0.17	14.88 0.25 -0.41	15.98 0.28 -0.43	13.85 0.25 -0.53	16.19 0.27 0.00	23.27 0.09 -18.54	18.92 0.29 -3.07	36.30 0.13 -28.47	44.69 0.24 -30.52	67.46 0.19 -55.63	30.11 0.04 -27.58	19.99 0.31 0.00	17.88 0.24 0.00
STATE_ST_34_KV_LOAD 55959	8.57 -0.02 -1.52	8.29 -0.05 -1.38	11.11 -0.05 -0.56	12.62 -0.11 -0.35	15.01 -0.05 -0.23	17.04 0.04 -0.48	18.06 0.13 -3.91	17.48 0.08 -0.60	22.61 -0.05 0.86	18.05 -0.13 -0.01	18.34 -0.07 0.00	15.71 -0.08 0.00	14.09 -0.13 -0.01	15.14 -0.14 -0.01	13.01 -0.08 -0.02	15.87 -0.04 0.00	6.52 0.01 -1.87	16.00 0.13 -0.31	10.65 0.08 -2.86	17.32 0.16 -3.22	17.41 0.18 -5.60	5.30 0.04 -2.77	19.92 0.25 0.00	17.80 0.16 0.00
STATION 5_MISC_HYD 23604	8.26 -0.26 -1.45	7.96 -0.30 -1.30	10.69 -0.45 -0.54	12.22 -0.49 -0.34	14.47 -0.58 -0.22	16.29 -0.68 -0.46	15.10 -0.45 -1.54	16.72 -0.63 -0.54	21.54 -1.09 0.89	17.42 -0.77 -0.01	17.70 -0.71 0.00	15.15 -0.64 0.00	13.68 -0.55 -0.01	14.69 -0.59 -0.01	12.61 -0.48 -0.02	15.32 -0.60 0.00	6.26 -0.16 -1.78	15.35 -0.51 -0.30	10.20 -0.24 -2.73	16.34 -0.41 -2.82	16.68 -0.29 -5.34	5.10 -0.04 -2.65	19.32 -0.35 0.00	17.47 -0.17 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	8.35 -0.18 -1.45	8.06 -0.20 -1.30	10.84 -0.29 -0.54	12.39 -0.32 -0.34	14.69 -0.37 -0.22	16.56 -0.42 -0.46	14.74 -0.25 -0.97	16.98 -0.37 -0.55	21.91 -0.72 0.89	17.67 -0.51 -0.01	17.94 -0.47 0.00	15.34 -0.45 0.00	13.82 -0.40 -0.01	14.84 -0.44 -0.01	12.75 -0.34 -0.02	15.49 -0.43 0.00	6.33 -0.10 -1.79	15.56 -0.29 -0.30	10.33 -0.11 -2.75	16.42 -0.19 -2.67	16.88 -0.12 -5.36	5.14 -0.01 -2.66	19.52 -0.15 0.00	17.63 -0.01 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	8.23 -0.29 -1.44	7.93 -0.33 -1.30	10.64 -0.49 -0.54	12.17 -0.54 -0.34	14.41 -0.64 -0.21	16.23 -0.74 -0.46	14.79 -0.52 -1.29	16.66 -0.69 -0.54	21.47 -1.16 0.89	17.36 -0.82 -0.01	17.64 -0.77 0.00	15.09 -0.70 0.00	13.62 -0.60 -0.01	14.63 -0.65 -0.01	12.56 -0.54 -0.02	15.25 -0.67 0.00	6.23 -0.18 -1.77	15.29 -0.57 -0.29	10.16 -0.26 -2.71	16.23 -0.47 -2.76	16.60 -0.34 -5.31	5.07 -0.05 -2.63	19.22 -0.45 0.00	17.38 -0.26 0.00
STA_56____34_KV_BUS2 355983	8.23 -0.29 -1.44	7.93 -0.33 -1.30	10.64 -0.49 -0.54	12.17 -0.54 -0.34	14.41 -0.64 -0.21	16.23 -0.74 -0.46	14.79 -0.52 -1.29	16.66 -0.69 -0.54	21.47 -1.16 0.89	17.36 -0.82 -0.01	17.64 -0.77 0.00	15.09 -0.70 0.00	13.62 -0.60 -0.01	14.63 -0.65 -0.01	12.56 -0.54 -0.02	15.25 -0.67 0.00	6.23 -0.18 -1.77	15.29 -0.57 -0.29	10.16 -0.26 -2.71	16.23 -0.47 -2.76	16.60 -0.34 -5.31	5.07 -0.05 -2.63	19.22 -0.45 0.00	17.38 -0.26 0.00
STA_67____115KV_BK2 355882	8.25 -0.28 -1.45	7.97 -0.32 -1.32	10.67 -0.47 -0.54	12.20 -0.51 -0.34	14.44 -0.61 -0.22	16.26 -0.71 -0.46	15.06 -0.49 -1.54	16.68 -0.67 -0.54	21.48 -1.14 0.89	17.38 -0.80 -0.01	17.67 -0.75 0.00	15.11 -0.68 0.00	13.64 -0.58 -0.01	14.66 -0.62 -0.01	12.58 -0.51 -0.02	15.30 -0.62 0.00	6.25 -0.17 -1.78	15.31 -0.55 -0.29	10.18 -0.26 -2.73	16.30 -0.45 -2.81	16.65 -0.32 -5.34	5.09 -0.04 -2.65	19.26 -0.41 0.00	17.44 -0.20 0.00
STA_7____115KV_9TRANS 80674	8.30 -0.23 -1.46	8.00 -0.28 -1.32	10.73 -0.41 -0.54	12.27 -0.45 -0.34	14.53 -0.53 -0.22	16.36 -0.60 -0.46	15.16 -0.39 -1.54	16.80 -0.55 -0.54	21.65 -0.98 0.89	17.51 -0.68 -0.01	17.79 -0.62 0.00	15.23 -0.56 0.00	13.74 -0.48 -0.01	14.76 -0.52 -0.01	12.67 -0.42 -0.02	15.39 -0.53 0.00	6.29 -0.14 -1.78	15.43 -0.43 -0.30	10.25 -0.19 -2.73	16.41 -0.33 -2.81	16.75 -0.23 -5.34	5.11 -0.02 -2.65	19.41 -0.26 0.00	17.55 -0.09 0.00
STA_82____115KV_TB1 80780	8.26 -0.27 -1.46	7.97 -0.32 -1.32	10.67 -0.46 -0.54	12.20 -0.51 -0.34	14.45 -0.61 -0.22	16.27 -0.70 -0.46	15.07 -0.48 -1.54	16.69 -0.66 -0.55	21.50 -1.13 0.89	17.39 -0.79 -0.01	17.67 -0.75 0.00	15.12 -0.67 0.00	13.65 -0.58 -0.01	14.66 -0.61 -0.01	12.59 -0.50 -0.02	15.30 -0.62 0.00	6.26 -0.17 -1.79	15.32 -0.54 -0.30	10.19 -0.25 -2.74	16.31 -0.44 -2.82	16.68 -0.32 -5.36	5.10 -0.04 -2.66	19.28 -0.40 0.00	17.45 -0.20 0.00
STEEL____WIND 323596	8.67 -0.29 -1.89	8.31 -0.35 -1.69	10.82 -0.47 -0.70	12.30 -0.51 -0.44	14.50 -0.62 -0.28	16.27 -0.84 -0.60	16.34 -0.58 -2.91	16.76 -0.75 -0.70	21.39 -1.26 0.87	17.38 -0.81 -0.02	17.72 -0.69 0.00	15.14 -0.65 0.00	13.66 -0.56 -0.01	14.73 -0.56 -0.01	12.63 -0.47 -0.02	15.43 -0.49 0.00	6.80 -0.15 -2.31	15.35 -0.59 -0.38	10.94 -0.31 -3.54	17.13 -0.53 -3.73	18.21 -0.35 -6.93	5.90 -0.03 -3.43	19.43 -0.24 0.00	17.74 0.10 0.00
STEPHTWN_115KV_BK_2 55603	22.20 0.15 -14.97	20.43 0.15 -13.31	16.44 0.25 -5.59	16.17 0.30 -3.50	17.49 0.41 -2.24	21.67 0.40 -4.76	46.55 0.31 -32.23	42.74 0.32 -25.61	25.49 0.39 -1.58	19.60 0.31 -1.12	18.73 0.32 0.00	16.27 0.32 -0.16	14.94 0.32 -0.41	16.01 0.31 -0.43	13.88 0.28 -0.52	16.23 0.31 0.00	23.06 0.11 -18.31	18.99 0.40 -3.03	36.02 0.19 -28.12	44.43 0.35 -30.15	66.85 0.26 -54.95	29.78 0.05 -27.24	20.10 0.43 0.00	18.00 0.36 0.00
STEBEN_REC_LFGE 323667	9.48 -0.01 -2.42	9.14 -0.04 -2.21	11.50 0.00 -0.90	13.00 0.07 -0.56	15.31 0.11 -0.36	17.39 0.12 -0.76	21.07 0.28 -6.77	17.90 0.18 -0.91	22.66 -0.05 0.82	18.24 0.04 -0.03	18.52 0.11 0.00	15.72 -0.07 -0.01	14.14 -0.09 -0.01	15.18 -0.11 -0.02	13.03 -0.07 -0.03	15.93 0.02 0.00	7.60 0.03 -2.93	16.05 0.00 -0.48	12.23 0.03 -4.50	19.04 0.14 -4.97	20.62 0.20 -8.78	6.93 0.08 -4.36	20.30 0.62 0.00	18.41 0.76 0.00
STONY____BROOK 24151	19.73 0.62 -12.03	19.61 0.61 -12.04	15.97 0.88 -4.49	16.17 0.99 -2.81	17.90 1.26 -1.80	22.66 1.48 -4.68	41.17 1.34 -25.81	39.19 1.54 -20.85	29.08 2.39 -3.17	20.78 1.69 -0.91	22.97 1.68 -2.88	30.05 1.59 -12.67	15.89 1.34 -0.33	16.97 1.35 -0.35	14.65 1.15 -0.43	22.79 1.61 -5.26	60.81 0.48 -55.69	19.52 1.52 -2.43	31.03 0.77 -22.56	61.94 1.41 -46.59	56.72 1.00 -44.08	34.05 0.24 -31.32	21.45 1.78 0.00	19.04 1.39 0.00

STURGEON_POOL_HYD 23609	19.36 0.38 -11.91	17.84 0.37 -10.50	15.60 0.55 -4.45	15.75 0.59 -2.78	17.44 0.82 -1.78	21.19 0.91 -3.77	40.71 0.81 -25.89	38.50 1.02 -20.67	26.35 1.57 -1.27	20.32 1.25 -0.90	19.74 1.32 0.00	17.10 1.18 -0.13	15.61 1.07 -0.33	16.74 1.12 -0.34	14.45 0.95 -0.42	17.15 1.23 0.00	19.55 0.35 -14.56	19.14 1.17 -2.41	30.62 0.55 -22.36	38.85 0.95 -23.97	56.13 0.79 -43.70	24.33 0.17 -21.66	20.98 1.31 0.00	18.73 1.08 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	18.47 0.35 -11.04	17.21 0.34 -9.90	15.20 0.49 -4.12	15.49 0.54 -2.58	17.19 0.70 -1.65	20.81 0.79 -3.50	38.80 0.73 -24.05	36.95 0.91 -19.24	26.01 1.31 -1.18	20.05 1.04 -0.84	19.49 1.07 0.00	16.90 0.99 -0.12	15.40 0.88 -0.31	16.52 0.93 -0.32	14.27 0.81 -0.39	16.94 1.02 0.00	18.42 0.29 -13.48	18.79 0.99 -2.23	28.89 0.49 -20.70	36.96 0.84 -22.19	52.75 0.67 -40.45	22.68 0.14 -20.05	20.74 1.07 0.00	18.51 0.87 0.00
SWANROAD_115KV_TB1 355699	8.26 -0.57 -1.75	7.97 -0.62 -1.62	10.33 -0.91 -0.65	11.76 -1.02 -0.41	13.83 -1.27 -0.26	15.53 -1.53 -0.56	15.29 -1.14 -2.41	15.96 -1.50 -0.65	20.34 -2.31 0.87	16.58 -1.61 -0.02	16.88 -1.54 0.00	14.44 -1.35 0.00	13.06 -1.16 -0.01	14.09 -1.19 -0.01	12.07 -1.02 -0.02	14.79 -1.13 0.00	6.45 -0.34 -2.14	14.66 -1.26 -0.35	10.35 -0.64 -3.29	16.20 -1.16 -3.43	17.17 -0.89 -6.43	5.54 -0.14 -3.19	18.56 -1.11 0.00	17.03 -0.62 0.00
SYNERGY___BIOGAS 323694	8.30 -0.34 -1.57	7.97 -0.40 -1.40	10.59 -0.59 -0.59	12.09 -0.65 -0.37	14.29 -0.78 -0.23	16.12 -0.89 -0.50	15.36 -0.56 -1.91	16.63 -0.77 -0.59	21.22 -1.41 0.89	17.11 -1.07 -0.01	17.35 -1.07 0.00	14.81 -0.98 0.00	13.38 -0.84 -0.01	14.57 -0.71 -0.01	12.41 -0.68 -0.02	15.52 -0.39 0.00	6.37 -0.20 -1.93	15.06 -0.82 -0.32	10.31 -0.35 -2.96	16.43 -0.57 -3.07	17.04 -0.37 -5.78	5.31 -0.04 -2.87	19.24 -0.43 0.00	17.47 -0.17 0.00
SYRACUSE___ENERGY_ST1 323597	8.21 -0.12 -1.26	7.96 -0.13 -1.13	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.64 -0.27 -0.40	17.04 -0.15 -3.18	17.01 -0.28 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.23 -0.09 -4.69	4.80 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
SYRACUSE___ENERGY_ST2 323598	8.21 -0.12 -1.26	7.96 -0.13 -1.13	10.87 -0.20 -0.47	12.44 -0.23 -0.30	14.77 -0.25 -0.19	16.64 -0.27 -0.40	17.04 -0.15 -3.18	17.01 -0.28 -0.48	22.14 -0.51 0.87	17.77 -0.41 -0.01	18.04 -0.37 0.00	15.45 -0.34 0.00	13.90 -0.32 -0.01	14.93 -0.34 -0.01	12.83 -0.26 -0.01	15.65 -0.27 0.00	6.14 -0.06 -1.56	15.62 -0.20 -0.26	10.02 -0.08 -2.40	16.43 -0.12 -2.62	16.23 -0.09 -4.69	4.80 -0.02 -2.33	19.50 -0.17 0.00	17.51 -0.13 0.00
SYRACUSE___POWER 24017	8.26 -0.12 -1.31	8.07 -0.12 -1.23	10.89 -0.19 -0.48	12.46 -0.22 -0.30	14.79 -0.25 -0.19	16.66 -0.26 -0.41	16.76 -0.15 -2.89	17.02 -0.28 -0.49	22.17 -0.50 0.85	17.79 -0.39 -0.01	18.05 -0.36 0.00	15.45 -0.34 0.00	13.91 -0.31 -0.01	14.95 -0.33 -0.01	12.85 -0.24 -0.01	15.67 -0.25 0.00	6.20 -0.06 -1.61	15.64 -0.19 -0.27	10.11 -0.08 -2.48	16.51 -0.10 -2.68	16.39 -0.08 -4.84	4.88 -0.01 -2.40	19.52 -0.16 0.00	17.53 -0.11 0.00
TALLMAN__138KV_BK151 55660	18.94 0.38 -11.48	17.59 0.37 -10.25	15.41 0.53 -4.29	15.64 0.59 -2.68	17.32 0.77 -1.72	21.01 0.86 -3.64	39.58 0.80 -24.76	37.76 1.00 -19.96	26.20 1.46 -1.23	20.21 1.17 -0.87	19.63 1.22 0.00	17.04 1.13 -0.13	15.53 1.00 -0.32	16.66 1.06 -0.33	14.40 0.91 -0.41	17.07 1.15 0.00	18.99 0.33 -14.02	19.00 1.11 -2.32	29.77 0.54 -21.52	37.93 0.92 -23.08	54.43 0.73 -42.06	23.50 0.15 -20.85	20.83 1.16 0.00	18.58 0.94 0.00
TEALLAVE_115KV_TB7 355573	8.03 -0.16 -1.11	7.83 -0.17 -1.03	10.76 -0.25 -0.41	12.35 -0.28 -0.26	14.68 -0.33 -0.17	16.51 -0.36 -0.35	16.13 -0.24 -2.35	16.87 -0.36 -0.42	22.08 -0.61 0.84	17.72 -0.46 -0.01	17.98 -0.43 0.00	15.39 -0.39 0.00	13.86 -0.36 -0.01	14.89 -0.38 -0.01	12.79 -0.29 -0.01	15.60 -0.32 0.00	5.97 -0.08 -1.41	15.52 -0.28 -0.23	9.74 -0.12 -2.16	16.07 -0.19 -2.33	15.70 -0.15 -4.22	4.55 -0.03 -2.09	19.40 -0.27 0.00	17.43 -0.21 0.00
TELGRAPH_34_KV_EAST 80808	8.35 -0.40 -1.68	8.05 -0.45 -1.54	10.56 -0.66 -0.63	12.03 -0.73 -0.39	14.19 -0.90 -0.25	15.96 -1.08 -0.53	15.43 -0.76 -2.18	16.41 -1.02 -0.62	20.97 -1.67 0.88	17.01 -1.17 -0.02	17.31 -1.10 0.00	14.80 -0.99 0.00	13.38 -0.85 -0.01	14.51 -0.77 -0.01	12.39 -0.71 -0.02	15.37 -0.55 0.00	6.48 -0.21 -2.05	15.03 -0.87 -0.34	10.42 -0.43 -3.15	16.45 -0.76 -3.28	17.24 -0.55 -6.16	5.47 -0.07 -3.05	19.04 -0.63 0.00	17.40 -0.24 0.00
TEMPLE___115KV_TB 2 55572	8.05 -0.15 -1.13	7.86 -0.16 -1.05	10.77 -0.24 -0.42	12.36 -0.28 -0.26	14.69 -0.32 -0.17	16.52 -0.35 -0.36	16.19 -0.22 -2.40	16.89 -0.35 -0.43	22.08 -0.60 0.84	17.73 -0.45 -0.01	17.99 -0.42 0.00	15.40 -0.39 0.00	13.87 -0.35 -0.01	14.90 -0.37 -0.01	12.80 -0.28 -0.01	15.62 -0.30 0.00	6.00 -0.08 -1.43	15.54 -0.26 -0.24	9.78 -0.11 -2.19	16.11 -0.18 -2.36	15.77 -0.14 -4.28	4.59 -0.02 -2.12	19.42 -0.25 0.00	17.45 -0.19 0.00
TIANA____69_KV_BK 1 55817	19.78 0.68 -12.02	19.72 0.67 -12.08	16.07 0.98 -4.49	16.29 1.11 -2.81	18.05 1.41 -1.80	22.81 1.63 -4.67	41.34 1.47 -25.84	39.36 1.70 -20.85	29.30 2.61 -3.17	20.84 1.75 -0.91	23.02 1.73 -2.88	30.09 1.63 -12.67	15.91 1.36 -0.33	16.98 1.37 -0.35	14.66 1.15 -0.43	22.81 1.63 -5.26	60.83 0.50 -55.69	19.59 1.60 -2.43	31.08 0.82 -22.56	62.07 1.54 -46.60	56.84 1.13 -44.08	34.07 0.27 -31.32	21.60 1.93 0.00	19.19 1.55 0.00
TILDEN___115KV_TB1 80814	8.26 -0.12 -1.31	8.07 -0.12 -1.23	10.89 -0.19 -0.48	12.46 -0.22 -0.30	14.79 -0.25 -0.19	16.66 -0.26 -0.41	16.76 -0.15 -2.89	17.02 -0.28 -0.49	22.17 -0.50 0.85	17.79 -0.39 -0.01	18.05 -0.36 0.00	15.45 -0.34 0.00	13.91 -0.31 -0.01	14.95 -0.33 -0.01	12.85 -0.24 -0.01	15.67 -0.25 0.00	6.20 -0.06 -1.61	15.64 -0.19 -0.27	10.11 -0.08 -2.48	16.51 -0.10 -2.68	16.39 -0.08 -4.84	4.88 -0.01 -2.40	19.52 -0.16 0.00	17.53 -0.11 0.00
TRIGEN___CC 323695	19.61 0.51 -12.02	19.49 0.50 -12.02	15.80 0.72 -4.49	15.97 0.79 -2.81	17.66 1.02 -1.80	22.23 1.17 -4.55	40.90 1.04 -25.84	38.88 1.22 -20.85	28.58 1.89 -3.17	20.52 1.43 -0.91	22.80 1.51 -2.88	29.87 1.41 -12.67	15.78 1.23 -0.33	16.90 1.28 -0.35	14.58 1.08 -0.43	22.62 1.45 -5.26	60.74 0.41 -55.69	19.30 1.30 -2.43	30.91 0.65 -22.56	61.68 1.14 -46.60	56.56 0.85 -44.08	34.00 0.19 -31.32	21.12 1.44 0.00	18.80 1.15 0.00
TRINITY__115KV__ 4 BK 55933	22.19 0.11 -15.00	20.40 0.10 -13.33	16.38 0.18 -5.60	16.09 0.21 -3.51	17.32 0.24 -2.25	21.50 0.22 -4.77	46.49 0.18 -32.28	42.64 0.18 -25.66	25.31 0.21 -1.58	19.46 0.16 -1.12	18.58 0.16 0.00	16.18 0.23 -0.16	14.82 0.20 -0.41	15.92 0.23 -0.43	13.80 0.20 -0.53	16.13 0.22 0.00	23.06 0.07 -18.35	18.83 0.22 -3.04	35.98 0.10 -28.18	44.32 0.18 -30.21	66.84 0.15 -55.06	29.82 0.03 -27.30	19.92 0.24 0.00	17.81 0.17 0.00

UNION___PROCESSING_DRP 323587	8.26 -0.27 -1.46	7.97 -0.32 -1.32	10.67 -0.46 -0.54	12.21 -0.51 -0.34	14.45 -0.60 -0.22	16.27 -0.70 -0.46	15.07 -0.48 -1.53	16.70 -0.65 -0.55	21.50 -1.13 0.89	17.40 -0.79 -0.01	17.68 -0.74 0.00	15.12 -0.67 0.00	13.65 -0.57 -0.01	14.67 -0.61 -0.01	12.59 -0.50 -0.02	15.30 -0.61 0.00	6.27 -0.16 -1.79	15.32 -0.54 -0.30	10.20 -0.25 -2.75	16.32 -0.43 -2.82	16.69 -0.31 -5.36	5.11 -0.04 -2.66	19.28 -0.39 0.00	17.45 -0.19 0.00
UPPER HUDSON___HYD 24058	23.09 0.27 -15.74	21.29 0.23 -14.10	16.82 0.35 -5.87	16.48 0.43 -3.68	17.72 0.53 -2.35	22.16 0.66 -5.00	48.34 0.59 -33.73	44.28 0.68 -26.79	25.96 0.79 -1.65	19.93 0.59 -1.17	18.96 0.55 0.00	16.39 0.44 -0.17	15.02 0.38 -0.43	16.13 0.41 -0.45	13.99 0.36 -0.55	16.38 0.46 0.00	24.04 0.17 -19.22	19.38 0.63 -3.18	37.57 0.35 -29.52	46.24 0.67 -31.63	69.89 0.57 -57.68	31.20 0.11 -28.60	20.51 0.83 0.00	18.18 0.54 0.00
UPPER RAQUET___HYD 24056	6.86 -0.21 0.00	6.77 -0.20 0.00	10.30 -0.30 0.00	12.05 -0.33 0.00	14.43 -0.40 0.00	16.09 -0.42 0.00	13.61 -0.40 0.00	16.34 -0.47 0.00	22.77 -0.60 0.14	17.65 -0.52 0.00	17.81 -0.60 0.00	15.22 -0.57 0.00	13.71 -0.50 0.00	14.73 -0.54 0.00	12.60 -0.48 0.00	15.34 -0.58 0.00	4.47 -0.17 0.00	14.98 -0.58 0.00	7.43 -0.27 0.00	13.50 -0.44 0.00	11.27 -0.36 0.00	2.39 -0.10 0.00	18.91 -0.77 0.00	16.94 -0.70 0.00
VALLEY44_115KV_TB2 355964	9.26 0.02 -2.16	8.93 0.00 -1.97	11.45 0.05 -0.80	13.22 0.37 -0.48	15.62 0.48 -0.30	17.64 0.49 -0.64	18.43 0.64 -3.77	18.36 0.81 -0.75	23.52 0.85 0.85	18.91 0.72 -0.02	19.29 0.88 0.00	16.36 0.57 -0.01	14.70 0.47 -0.01	15.81 0.52 -0.01	13.51 0.41 -0.02	16.49 0.57 0.00	7.26 0.16 -2.46	16.45 0.48 -0.41	11.73 0.26 -3.77	18.59 0.64 -4.02	19.71 0.71 -7.37	6.34 0.20 -3.65	21.15 1.47 0.00	19.20 1.56 0.00
VALLEY___115KV_TB 1-4 80826	7.16 -0.07 -0.16	6.96 -0.07 -0.06	10.55 -0.10 -0.06	12.31 -0.11 -0.04	14.75 -0.11 -0.03	16.41 -0.15 -0.05	14.14 -0.15 -0.27	16.71 -0.18 -0.09	23.06 -0.37 0.09	17.86 -0.31 0.00	18.10 -0.31 0.00	15.52 -0.26 0.00	13.95 -0.27 0.00	14.97 -0.30 0.00	12.80 -0.27 0.00	15.56 -0.36 0.00	4.72 -0.11 -0.19	15.20 -0.39 -0.03	7.83 -0.17 -0.29	14.03 -0.21 -0.31	12.03 -0.17 -0.57	2.74 -0.03 -0.28	19.50 -0.17 0.00	17.57 -0.08 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	11.79 0.35 -4.37	12.48 0.33 -5.18	12.63 0.49 -1.55	13.91 0.57 -0.97	16.16 0.70 -0.62	18.72 0.86 -1.35	25.55 0.88 -10.66	24.73 1.07 -6.86	25.13 1.45 -0.16	19.56 1.10 -0.30	19.51 1.10 0.00	16.77 0.94 -0.04	15.16 0.83 -0.11	16.27 0.89 -0.11	13.96 0.74 -0.14	16.77 0.86 0.00	9.98 0.26 -5.07	17.30 0.90 -0.84	15.97 0.48 -7.79	23.19 0.88 -8.37	27.56 0.71 -15.22	10.18 0.15 -7.54	20.79 1.11 0.00	18.54 0.90 0.00
VISCHER___FERRY HYD 24020	22.61 0.23 -15.31	20.88 0.21 -13.70	16.63 0.33 -5.71	16.34 0.39 -3.57	17.59 0.47 -2.29	21.86 0.50 -4.86	47.25 0.42 -32.80	43.39 0.49 -26.10	25.72 0.59 -1.61	19.76 0.45 -1.14	18.85 0.43 0.00	16.34 0.39 -0.17	14.98 0.35 -0.42	16.09 0.38 -0.43	13.95 0.34 -0.54	16.33 0.41 0.00	23.46 0.13 -18.69	19.09 0.44 -3.10	36.63 0.23 -28.70	45.11 0.42 -30.76	68.08 0.36 -56.09	30.37 0.08 -27.81	20.25 0.57 0.00	18.08 0.44 0.00
V_A_10_SYNC_DSASP 323832	8.28 -0.41 -1.61	8.00 -0.45 -1.48	10.54 -0.65 -0.60	12.02 -0.72 -0.37	14.20 -0.88 -0.24	15.94 -1.08 -0.51	15.28 -0.81 -2.08	16.34 -1.06 -0.60	20.96 -1.67 0.88	17.02 -1.16 -0.01	17.33 -1.08 0.00	14.82 -0.97 0.00	13.40 -0.82 -0.01	14.42 -0.86 -0.01	12.37 -0.72 -0.02	15.08 -0.83 0.00	6.36 -0.25 -1.96	15.02 -0.87 -0.33	10.29 -0.44 -3.02	16.28 -0.79 -3.14	16.93 -0.60 -5.90	5.33 -0.09 -2.92	18.94 -0.74 0.00	17.27 -0.37 0.00
V_CMM_10_SYNC_DSASP 323787	7.03 -0.05 0.00	6.93 -0.04 0.00	10.53 -0.06 0.00	12.31 -0.06 0.00	14.74 -0.10 0.00	16.41 -0.10 0.00	13.87 -0.14 0.00	16.66 -0.15 0.00	23.34 -0.13 0.05	18.05 -0.12 0.00	18.26 -0.15 0.00	15.63 -0.15 0.00	14.09 -0.12 0.00	15.15 -0.12 0.00	12.96 -0.12 0.00	15.77 -0.15 0.00	4.60 -0.05 0.00	15.40 -0.17 0.00	7.61 -0.09 0.00	13.75 -0.18 0.00	11.48 -0.15 0.00	2.45 -0.04 0.00	19.40 -0.27 0.00	17.41 -0.23 0.00
V_CMP_10_SYNC_DSASP 323788	7.46 0.38 0.00	7.28 0.31 0.00	11.05 0.46 0.00	12.93 0.56 0.00	15.56 0.72 0.00	17.46 0.95 0.00	14.83 0.81 0.00	17.66 0.85 0.00	24.84 1.38 0.06	19.01 0.84 0.00	19.24 0.83 0.00	16.44 0.66 0.00	14.84 0.63 0.00	15.93 0.66 0.00	13.63 0.55 0.00	16.53 0.61 0.00	4.86 0.21 0.00	16.08 0.51 0.00	8.02 0.32 0.00	14.64 0.70 0.00	12.21 0.57 0.00	2.58 0.09 0.00	20.40 0.72 0.00	18.13 0.49 0.00
V_E_10_SYNC_DSASP 323830	10.69 0.42 -3.20	10.24 0.42 -2.86	12.42 0.64 -1.19	13.88 0.76 -0.75	16.28 0.97 -0.48	18.68 1.16 -1.01	22.41 1.09 -7.31	20.75 1.15 -2.79	24.22 1.20 0.50	18.97 0.69 -0.11	19.09 0.67 0.00	16.27 0.46 -0.02	14.66 0.40 -0.04	15.73 0.41 -0.05	13.57 0.43 -0.06	16.37 0.45 0.00	8.73 0.17 -3.91	16.93 0.72 -0.65	14.15 0.44 -6.01	21.44 1.02 -6.49	24.24 0.86 -11.74	8.50 0.19 -5.82	21.12 1.44 0.00	18.94 1.30 0.00
V_F_30_NSYNC___DSASP 323816	23.07 0.32 -15.68	21.30 0.29 -14.04	16.89 0.44 -5.85	16.56 0.53 -3.66	17.82 0.64 -2.34	22.23 0.74 -4.98	48.28 0.66 -33.60	44.26 0.76 -26.70	26.10 0.94 -1.64	20.05 0.71 -1.17	19.11 0.70 0.00	16.53 0.58 -0.17	15.16 0.52 -0.43	16.27 0.56 -0.44	14.11 0.49 -0.55	16.52 0.60 0.00	23.98 0.19 -19.15	19.43 0.69 -3.17	37.47 0.37 -29.40	46.13 0.69 -31.51	69.67 0.58 -57.45	31.09 0.12 -28.48	20.57 0.89 0.00	18.32 0.67 0.00
V_F_30_SYNC_DSASP 323786	22.35 0.13 -15.15	20.57 0.12 -13.48	16.46 0.21 -5.66	16.16 0.24 -3.54	17.39 0.28 -2.27	21.60 0.27 -4.82	46.86 0.23 -32.61	42.92 0.23 -25.89	25.41 0.29 -1.60	19.54 0.23 -1.13	18.64 0.23 0.00	16.23 0.28 -0.17	14.88 0.25 -0.41	15.98 0.28 -0.43	13.85 0.25 -0.53	16.19 0.27 0.00	23.26 0.09 -18.52	18.92 0.29 -3.07	36.28 0.13 -28.44	44.66 0.24 -30.49	67.40 0.19 -55.58	30.09 0.04 -27.55	19.99 0.31 0.00	17.88 0.24 0.00
V_XM_10_SYNC_DSASP 323789	7.46 0.38 0.00	7.28 0.31 0.00	11.05 0.46 0.00	12.93 0.56 0.00	15.56 0.72 0.00	17.46 0.95 0.00	14.83 0.81 0.00	17.66 0.85 0.00	24.84 1.38 0.06	19.01 0.84 0.00	19.24 0.83 0.00	16.44 0.66 0.00	14.84 0.63 0.00	15.93 0.66 0.00	13.63 0.55 0.00	16.53 0.61 0.00	4.86 0.21 0.00	16.08 0.51 0.00	8.02 0.32 0.00	14.64 0.70 0.00	12.21 0.57 0.00	2.58 0.09 0.00	20.40 0.72 0.00	18.13 0.49 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.04 0.41 -11.57	17.68 0.39 -10.33	15.47 0.56 -4.32	15.69 0.62 -2.70	17.37 0.80 -1.73	21.09 0.91 -3.67	39.81 0.84 -24.95	37.95 1.05 -20.09	26.28 1.53 -1.23	20.27 1.22 -0.88	19.69 1.27 0.00	17.08 1.17 -0.13	15.57 1.04 -0.32	16.70 1.10 -0.33	14.44 0.95 -0.41	17.12 1.20 0.00	19.11 0.34 -14.12	19.06 1.16 -2.34	29.95 0.56 -21.68	38.14 0.97 -23.24	54.77 0.77 -42.37	23.66 0.16 -21.01	20.89 1.22 0.00	18.63 0.99 0.00

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	19.53 0.43 -12.02	18.08 0.41 -10.71	15.67 0.59 -4.49	15.82 0.64 -2.81	17.49 0.85 -1.80	21.27 0.95 -3.81	40.74 0.88 -25.84	38.73 1.09 -20.84	26.44 1.64 -1.28	20.43 1.35 -0.91	19.82 1.41 0.00	17.19 1.27 -0.13	15.69 1.15 -0.33	16.83 1.21 -0.35	14.53 1.03 -0.43	17.24 1.32 0.00	19.70 0.37 -14.68	19.23 1.23 -2.43	30.84 0.59 -22.55	39.11 1.00 -24.17	56.47 0.78 -44.07	24.50 0.17 -21.85	20.93 1.25 0.00	18.65 1.00 0.00
W50THST__13_KV_LOAD 356117	19.56 0.46 -12.02	18.12 0.44 -10.71	15.72 0.63 -4.49	15.87 0.69 -2.81	17.55 0.91 -1.80	21.34 1.02 -3.81	40.80 0.95 -25.84	38.82 1.17 -20.84	26.56 1.76 -1.28	20.54 1.45 -0.91	19.94 1.52 0.00	17.30 1.38 -0.13	15.80 1.25 -0.33	16.93 1.32 -0.35	14.62 1.12 -0.43	17.35 1.43 0.00	19.73 0.41 -14.68	19.33 1.34 -2.43	30.89 0.63 -22.55	39.18 1.07 -24.17	56.52 0.83 -44.07	24.51 0.18 -21.85	21.00 1.33 0.00	18.72 1.07 0.00
WADING RIVER_IC_1 23522	19.68 0.58 -12.03	19.58 0.58 -12.04	15.92 0.84 -4.49	16.12 0.94 -2.81	17.84 1.20 -1.80	22.57 1.38 -4.68	41.07 1.24 -25.81	39.08 1.42 -20.85	28.90 2.21 -3.17	20.51 1.43 -0.91	22.69 1.40 -2.88	29.81 1.35 -12.67	15.66 1.11 -0.33	16.72 1.10 -0.35	14.43 0.93 -0.43	22.53 1.35 -5.26	60.75 0.42 -55.69	19.30 1.30 -2.43	30.93 0.67 -22.56	61.80 1.27 -46.59	56.60 0.89 -44.08	34.03 0.22 -31.32	21.25 1.57 0.00	18.91 1.27 0.00
WADING RIVER_IC_2 23547	19.68 0.58 -12.03	19.58 0.58 -12.04	15.92 0.84 -4.49	16.12 0.94 -2.81	17.84 1.20 -1.80	22.57 1.38 -4.68	41.07 1.24 -25.81	39.08 1.42 -20.85	28.90 2.21 -3.17	20.51 1.43 -0.91	22.69 1.40 -2.88	29.81 1.35 -12.67	15.66 1.11 -0.33	16.72 1.10 -0.35	14.43 0.93 -0.43	22.53 1.35 -5.26	60.75 0.42 -55.69	19.30 1.30 -2.43	30.93 0.67 -22.56	61.80 1.27 -46.59	56.60 0.89 -44.08	34.03 0.22 -31.32	21.25 1.57 0.00	18.91 1.27 0.00
WADING RIVER_IC_3 23601	19.68 0.58 -12.03	19.58 0.58 -12.04	15.92 0.84 -4.49	16.12 0.94 -2.81	17.84 1.20 -1.80	22.57 1.38 -4.68	41.07 1.24 -25.81	39.08 1.42 -20.85	28.90 2.21 -3.17	20.51 1.43 -0.91	22.69 1.40 -2.88	29.81 1.35 -12.67	15.66 1.11 -0.33	16.72 1.10 -0.35	14.43 0.93 -0.43	22.53 1.35 -5.26	60.75 0.42 -55.69	19.30 1.30 -2.43	30.93 0.67 -22.56	61.80 1.27 -46.59	56.60 0.89 -44.08	34.03 0.22 -31.32	21.25 1.57 0.00	18.91 1.27 0.00
WALDENNY_12_KV_BK2 80841	8.64 -0.32 -1.88	8.36 -0.36 -1.75	10.79 -0.50 -0.70	12.26 -0.54 -0.44	14.45 -0.66 -0.28	16.23 -0.88 -0.60	16.14 -0.61 -2.74	16.71 -0.79 -0.70	21.34 -1.32 0.87	17.34 -0.84 -0.02	17.68 -0.73 0.00	15.10 -0.69 0.00	13.64 -0.58 -0.01	14.70 -0.58 -0.01	12.60 -0.49 -0.02	15.41 -0.51 0.00	6.78 -0.16 -2.29	15.32 -0.63 -0.38	10.90 -0.33 -3.52	17.06 -0.57 -3.69	18.12 -0.39 -6.88	5.86 -0.03 -3.41	19.36 -0.32 0.00	17.70 0.05 0.00
WALDEN__HYDRO 24148	19.07 0.41 -11.58	17.73 0.39 -10.37	15.48 0.57 -4.32	15.71 0.63 -2.71	17.39 0.82 -1.73	21.12 0.94 -3.68	39.73 0.87 -24.85	37.99 1.07 -20.11	26.26 1.50 -1.24	20.20 1.15 -0.88	19.59 1.18 0.00	16.99 1.07 -0.13	15.49 0.95 -0.32	16.62 1.02 -0.33	14.37 0.89 -0.41	17.02 1.10 0.00	19.10 0.31 -14.14	19.00 1.10 -2.34	29.96 0.54 -21.71	38.18 0.98 -23.27	54.87 0.81 -42.42	23.69 0.17 -21.03	20.96 1.28 0.00	18.67 1.03 0.00
WARRENSBURG____ 23737	23.09 0.27 -15.74	21.29 0.23 -14.10	16.82 0.35 -5.87	16.48 0.43 -3.68	17.72 0.53 -2.35	22.16 0.66 -5.00	48.34 0.59 -33.73	44.28 0.68 -26.79	25.96 0.79 -1.65	19.93 0.59 -1.17	18.96 0.55 0.00	16.39 0.44 -0.17	15.02 0.38 -0.43	16.13 0.41 -0.45	13.99 0.36 -0.55	16.38 0.46 0.00	24.04 0.17 -19.22	19.38 0.63 -3.18	37.57 0.35 -29.52	46.24 0.67 -31.63	69.89 0.57 -57.68	31.20 0.11 -28.60	20.51 0.83 0.00	18.18 0.54 0.00
WATERSIDE____6 8 9 23538	19.53 0.43 -12.02	18.09 0.41 -10.71	15.67 0.59 -4.49	15.82 0.64 -2.81	17.48 0.84 -1.80	21.26 0.93 -3.81	40.73 0.87 -25.84	38.73 1.08 -20.85	26.42 1.62 -1.28	20.43 1.35 -0.91	19.81 1.39 0.00	17.21 1.29 -0.14	15.70 1.16 -0.33	16.82 1.20 -0.35	14.53 1.03 -0.43	17.21 1.30 0.00	19.70 0.36 -14.69	19.21 1.21 -2.43	30.84 0.58 -22.55	39.09 0.98 -24.18	56.46 0.76 -44.07	24.50 0.16 -21.85	20.92 1.24 0.00	18.64 0.99 0.00
WATKINRD_115KV_LN8_ILLION 55919	7.19 -0.04 -0.16	6.98 -0.04 -0.06	10.59 -0.07 -0.06	12.35 -0.07 -0.04	14.80 -0.07 -0.03	16.47 -0.09 -0.05	14.22 -0.07 -0.27	16.80 -0.10 -0.09	23.19 -0.23 0.09	17.97 -0.20 0.00	18.21 -0.20 0.00	15.62 -0.17 0.00	14.04 -0.17 0.00	15.09 -0.18 0.00	12.91 -0.16 0.00	15.71 -0.21 0.00	4.78 -0.06 -0.19	15.40 -0.20 -0.03	7.92 -0.07 -0.29	14.16 -0.09 -0.31	12.13 -0.07 -0.57	2.76 -0.01 -0.28	19.61 -0.07 0.00	17.59 -0.05 0.00
WATSON____69_KV_BK 1 55734	19.75 0.65 -12.02	19.69 0.64 -12.09	16.02 0.94 -4.49	16.23 1.05 -2.81	17.97 1.34 -1.80	22.70 1.53 -4.67	41.23 1.37 -25.84	39.25 1.60 -20.85	29.18 2.49 -3.17	20.89 1.81 -0.91	23.09 1.80 -2.88	30.14 1.68 -12.67	15.98 1.43 -0.33	17.07 1.45 -0.35	14.73 1.22 -0.43	22.87 1.70 -5.26	60.83 0.50 -55.69	19.59 1.59 -2.43	31.07 0.81 -22.56	62.01 1.48 -46.60	56.81 1.10 -44.08	34.06 0.26 -31.32	21.58 1.90 0.00	19.18 1.53 0.00
WDELAWARE__HYD 323627	17.27 0.43 -9.77	16.15 0.44 -8.74	14.89 0.66 -3.64	15.43 0.78 -2.28	17.25 0.95 -1.46	20.64 1.03 -3.10	35.88 0.89 -20.97	35.09 1.12 -17.17	26.15 1.58 -1.05	20.18 1.26 -0.75	19.71 1.30 0.00	17.04 1.14 -0.11	15.51 1.02 -0.27	16.59 1.03 -0.28	14.02 0.59 -0.35	16.66 0.74 0.00	16.78 0.21 -11.92	18.29 0.75 -1.98	26.41 0.39 -18.31	34.31 0.75 -19.62	48.24 0.84 -35.77	20.40 0.18 -17.73	21.11 1.43 0.00	18.96 1.32 0.00
WEST BABYLON__IC 23714	19.73 0.63 -12.02	19.67 0.61 -12.09	15.98 0.89 -4.49	16.18 1.00 -2.81	17.91 1.27 -1.80	22.62 1.45 -4.65	41.16 1.30 -25.84	39.17 1.51 -20.85	29.05 2.36 -3.17	20.81 1.73 -0.91	23.02 1.73 -2.88	30.09 1.63 -12.67	15.94 1.39 -0.33	17.05 1.43 -0.35	14.70 1.20 -0.43	22.81 1.64 -5.26	60.81 0.48 -55.69	19.51 1.51 -2.43	31.03 0.77 -22.56	61.93 1.40 -46.60	56.75 1.04 -44.08	34.05 0.24 -31.32	21.48 1.81 0.00	19.11 1.47 0.00
WEST CANADA__HYD 24049	7.05 -0.02 0.00	6.94 -0.02 0.00	10.56 -0.03 0.00	12.34 -0.04 0.00	14.80 -0.04 0.00	16.46 -0.05 0.00	14.00 -0.02 0.00	16.79 -0.02 0.00	23.37 -0.05 0.10	18.13 -0.04 0.00	18.38 -0.04 0.00	15.75 -0.03 0.00	14.18 -0.03 0.00	15.23 -0.05 0.00	13.05 -0.03 0.00	15.88 -0.04 0.00	4.63 -0.01 0.00	15.53 -0.03 0.00	7.70 -0.01 0.00	13.92 -0.01 0.00	11.62 -0.01 0.00	2.49 0.00 0.00	19.65 -0.02 0.00	17.61 -0.03 0.00
WESTERN_NY_WIND 24143	8.32 -0.34 -1.58	7.98 -0.40 -1.42	10.61 -0.58 -0.59	12.10 -0.64 -0.37	14.30 -0.77 -0.24	16.13 -0.88 -0.50	15.41 -0.56 -1.95	16.64 -0.76 -0.59	21.23 -1.40 0.89	17.12 -1.06 -0.01	17.36 -1.05 0.00	14.82 -0.96 0.00	13.39 -0.83 -0.01	14.59 -0.69 -0.01	12.42 -0.67 -0.02	15.57 -0.34 0.00	6.39 -0.19 -1.94	15.08 -0.81 -0.32	10.33 -0.35 -2.98	16.46 -0.57 -3.09	17.09 -0.37 -5.82	5.34 -0.04 -2.88	19.26 -0.42 0.00	17.50 -0.14 0.00



WESTOVER___LESR 323668	10.55 0.05 -3.43	10.20 0.04 -3.19	11.93 0.07 -1.27	13.23 0.07 -0.79	15.46 0.12 -0.51	17.72 0.12 -1.08	21.80 0.19 -7.59	18.23 -0.02 -1.45	22.62 -0.17 0.73	18.11 -0.11 -0.05	18.38 -0.03 0.00	15.70 -0.09 -0.01	14.16 -0.08 -0.02	15.19 -0.10 -0.02	13.16 0.05 -0.04	16.08 0.16 0.00	8.89 0.08 -4.17	16.46 0.20 -0.69	14.21 0.11 -6.40	21.07 0.23 -6.91	24.30 0.16 -12.50	8.73 0.05 -6.20	20.00 0.32 0.00	17.97 0.33 0.00
WETHRSFD_WT_PWR 323626	8.91 -0.26 -2.09	8.55 -0.28 -1.87	11.00 -0.37 -0.78	12.45 -0.41 -0.49	14.62 -0.54 -0.31	16.47 -0.70 -0.66	19.22 -0.45 -5.65	16.91 -0.67 -0.77	21.56 -1.11 0.85	17.47 -0.73 -0.02	17.82 -0.59 0.00	15.21 -0.58 -0.01	13.70 -0.52 -0.01	14.74 -0.54 -0.01	12.67 -0.43 -0.02	15.50 -0.42 0.00	7.08 -0.11 -2.55	15.49 -0.50 -0.42	11.38 -0.25 -3.92	17.86 -0.38 -4.31	19.04 -0.25 -7.65	6.27 -0.01 -3.79	19.55 -0.12 0.00	17.78 0.14 0.00
WHAVSTOR_138KV_BK127 55557	19.03 0.38 -11.58	17.67 0.36 -10.35	15.44 0.52 -4.32	15.65 0.58 -2.71	17.32 0.75 -1.73	21.03 0.85 -3.68	39.77 0.78 -24.97	37.90 0.97 -20.12	26.18 1.42 -1.24	20.19 1.14 -0.88	19.60 1.19 0.00	17.02 1.10 -0.13	15.51 0.98 -0.32	16.64 1.03 -0.33	14.38 0.89 -0.41	17.04 1.12 0.00	19.11 0.32 -14.14	18.99 1.08 -2.34	29.95 0.52 -21.72	38.11 0.90 -23.28	54.78 0.71 -42.43	23.68 0.15 -21.04	20.80 1.13 0.00	18.56 0.91 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.03 0.38 -11.58	17.67 0.36 -10.35	15.44 0.52 -4.32	15.65 0.58 -2.71	17.32 0.75 -1.73	21.03 0.85 -3.68	39.77 0.78 -24.97	37.90 0.97 -20.12	26.18 1.42 -1.24	20.19 1.14 -0.88	19.60 1.19 0.00	17.02 1.10 -0.13	15.51 0.98 -0.32	16.64 1.03 -0.33	14.38 0.89 -0.41	17.04 1.12 0.00	19.11 0.32 -14.14	18.99 1.08 -2.34	29.95 0.52 -21.72	38.11 0.90 -23.28	54.78 0.71 -42.43	23.68 0.15 -21.04	20.80 1.13 0.00	18.56 0.91 0.00
WHITEHAL_115KV_TB1 80871	23.28 0.48 -15.72	21.48 0.42 -14.10	17.11 0.65 -5.87	16.87 0.82 -3.67	18.20 1.02 -2.35	22.71 1.20 -5.00	48.87 0.98 -33.87	44.59 1.03 -26.75	26.30 1.13 -1.65	20.18 0.84 -1.17	19.21 0.80 0.00	16.57 0.61 -0.17	15.17 0.53 -0.43	16.30 0.58 -0.45	14.15 0.52 -0.55	16.60 0.68 0.00	24.13 0.30 -19.19	19.82 1.08 -3.18	37.75 0.58 -29.47	46.68 1.16 -31.59	70.20 0.97 -57.58	31.22 0.18 -28.55	21.14 1.46 0.00	18.55 0.91 0.00
WHITEPLN_13_KV_LOAD 356215	19.50 0.44 -11.99	18.09 0.43 -10.69	15.70 0.62 -4.48	15.87 0.69 -2.80	17.53 0.89 -1.79	21.30 0.98 -3.80	40.69 0.88 -25.79	38.70 1.09 -20.80	26.41 1.61 -1.28	20.38 1.30 -0.91	19.77 1.36 0.00	17.15 1.23 -0.13	15.65 1.10 -0.33	16.78 1.16 -0.35	14.50 1.00 -0.43	17.19 1.27 0.00	19.66 0.36 -14.66	19.20 1.21 -2.43	30.79 0.58 -22.51	39.07 1.01 -24.13	56.40 0.79 -43.98	24.46 0.17 -21.80	20.96 1.28 0.00	18.73 1.08 0.00
WM_FLOYD_69_KV_BK2 356380	19.72 0.63 -12.02	19.67 0.63 -12.08	16.00 0.92 -4.49	16.21 1.03 -2.81	17.95 1.31 -1.80	22.68 1.50 -4.67	41.21 1.34 -25.84	39.19 1.54 -20.85	29.07 2.37 -3.17	20.69 1.61 -0.91	22.87 1.58 -2.88	29.96 1.50 -12.67	15.80 1.26 -0.33	16.87 1.26 -0.35	14.55 1.05 -0.43	22.68 1.51 -5.26	60.79 0.45 -55.69	19.45 1.46 -2.43	31.01 0.75 -22.56	61.92 1.39 -46.60	56.72 1.00 -44.08	34.05 0.24 -31.32	21.43 1.76 0.00	19.07 1.43 0.00
WOODARD__115KV_TB2 355635	8.03 -0.17 -1.13	7.81 -0.18 -1.03	10.74 -0.27 -0.42	12.33 -0.31 -0.26	14.65 -0.36 -0.17	16.48 -0.39 -0.36	16.12 -0.27 -2.37	16.84 -0.40 -0.43	22.00 -0.66 0.86	17.68 -0.50 -0.01	17.94 -0.47 0.00	15.36 -0.42 0.00	13.83 -0.39 -0.01	14.86 -0.42 -0.01	12.76 -0.32 -0.01	15.56 -0.36 0.00	5.96 -0.09 -1.42	15.49 -0.31 -0.23	9.74 -0.14 -2.17	16.06 -0.22 -2.35	15.70 -0.18 -4.25	4.56 -0.03 -2.11	19.35 -0.32 0.00	17.39 -0.25 0.00
YORK___WARBASSE 23770	19.56 0.46 -12.02	18.12 0.44 -10.71	15.72 0.63 -4.49	15.87 0.69 -2.81	17.53 0.90 -1.80	21.32 1.00 -3.81	40.79 0.93 -25.84	38.79 1.14 -20.85	26.51 1.71 -1.28	20.51 1.42 -0.91	19.89 1.48 0.00	17.29 1.37 -0.14	15.76 1.21 -0.33	16.87 1.25 -0.35	14.57 1.07 -0.43	17.26 1.34 0.00	19.71 0.38 -14.69	19.28 1.28 -2.43	30.87 0.61 -22.55	39.13 1.02 -24.18	56.50 0.79 -44.07	24.51 0.18 -21.85	21.00 1.32 0.00	18.71 1.07 0.00